

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
 Data File : BM037425.D
 Acq On : 08 Nov 2022 12:53
 Operator : CG/JU
 Sample : N5451-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/09/2022
 Supervised By : Jagrut Upadhyay 11/09/2022

Quant Time: Nov 08 14:58:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 14:43:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	363919	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	1418806	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	778600	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1368418	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1018752	20.000	ng	0.00
86) Perylene-d12	23.715	264	1075620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	2376113	112.802	ng	0.00
7) Phenol-d6	7.010	99	3119607	109.119	ng	0.00
23) Nitrobenzene-d5	8.998	82	1737581	61.788	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1017633	110.907	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3415010	58.278	ng	0.00
79) Terphenyl-d14	19.827	244	3449312	60.717	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	320621	37.171	ng	97
3) Pyridine	3.693	79	917182	35.691	ng	98
4) n-Nitrosodimethylamine	3.604	42	478248	42.579	ng	94
6) Aniline	7.163	93	1642500	46.996	ng	100
8) 2-Chlorophenol	7.392	128	1248040	48.680	ng	99
9) Benzaldehyde	6.975	77	711730	49.182	ng	99
10) Phenol	7.034	94	1535116	47.921	ng	99
11) bis(2-Chloroethyl)ether	7.263	93	1160684	45.192	ng	98
12) 1,3-Dichlorobenzene	7.710	146	1303609	46.532	ng	100
13) 1,4-Dichlorobenzene	7.863	146	1326424	45.900	ng	99
14) 1,2-Dichlorobenzene	8.175	146	1274985	45.938	ng	98
15) Benzyl Alcohol	8.081	79	991895	48.529	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.351	45	1618727	44.209	ng	99
17) 2-Methylphenol	8.281	107	975961	46.619	ng	99
18) Hexachloroethane	8.898	117	488647	47.948	ng	98
19) n-Nitroso-di-n-propyla...	8.645	70	875716	44.680	ng	98
20) 3+4-Methylphenols	8.616	107	1421232	49.424	ng	99
22) Acetophenone	8.663	105	1728114	46.861	ng	# 99
24) Nitrobenzene	9.039	77	1278882	44.857	ng	99
25) Isophorone	9.569	82	2276129	48.429	ng	100
26) 2-Nitrophenol	9.745	139	640897	50.213	ng	96
27) 2,4-Dimethylphenol	9.810	122	1066674	56.313	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	1466795	50.160	ng	100
29) 2,4-Dichlorophenol	10.280	162	1069790	49.200	ng	99
30) 1,2,4-Trichlorobenzene	10.486	180	1154188	46.808	ng	98
31) Naphthalene	10.675	128	3521157	43.804	ng	99
32) Benzoic acid	9.975	122	613016	37.368	ng	99
33) 4-Chloroaniline	10.798	127	1075666	33.594	ng	100
34) Hexachlorobutadiene	10.951	225	668672	48.564	ng	98
35) Caprolactam	11.622	113	289099	43.734	ng	97
36) 4-Chloro-3-methylphenol	11.927	107	1015933	45.339	ng	98
37) 2-Methylnaphthalene	12.286	142	2425901	44.543	ng	99
38) 1-Methylnaphthalene	12.510	142	2267851	42.616	ng	99
40) 1,2,4,5-Tetrachloroben...	12.657	216	1221179	52.164	ng	99
41) Hexachlorocyclopentadiene	12.627	237	1397551	125.299	ng	100
43) 2,4,6-Trichlorophenol	12.904	196	801676	49.745	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	851151	47.878	ng	99
46) 1,1'-Biphenyl	13.304	154	3038315	48.356	ng	99
47) 2-Chloronaphthalene	13.345	162	2324236	46.484	ng	99
48) 2-Nitroaniline	13.563	65	660852	45.736	ng	98
49) Acenaphthylene	14.186	152	3534734	45.541	ng	100
50) Dimethylphthalate	13.939	163	2671662	44.924	ng	99
51) 2,6-Dinitrotoluene	14.057	165	581480	46.171	ng	99
52) Acenaphthene	14.527	154	2125538	44.296	ng	99
53) 3-Nitroaniline	14.392	138	486176	34.555	ng	99
54) 2,4-Dinitrophenol	14.598	184	529934	65.202	ng	94
55) Dibenzofuran	14.863	168	3258706	44.091	ng	99
56) 4-Nitrophenol	14.704	139	965131	85.986	ng	98
57) 2,4-Dinitrotoluene	14.845	165	768053	46.346	ng	99
58) Fluorene	15.510	166	2726258	44.192	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	672418	45.127	ng	98
60) Diethylphthalate	15.292	149	2632155	45.538	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	1350520	47.319	ng	97
62) 4-Nitroaniline	15.551	138	563119m	39.907	ng	
63) Azobenzene	15.798	77	2508808	44.059	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	342002	37.097	ng	99
66) n-Nitrosodiphenylamine	15.727	169	2184992	47.239	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	774217	50.417	ng	98
68) Hexachlorobenzene	16.509	284	899069	48.378	ng	97
69) Atrazine	16.680	200	691594	59.425	ng	100
70) Pentachlorophenol	16.857	266	1031640	95.401	ng	98
71) Phenanthrene	17.251	178	3688391	43.445	ng	100
72) Anthracene	17.339	178	3735107	46.472	ng	100
73) Carbazole	17.615	167	3261435	44.238	ng	100
74) Di-n-butylphthalate	18.174	149	4322413	53.096	ng	100
75) Fluoranthene	19.262	202	3769948	42.008	ng	99
77) Benzidine	19.456	184	1816799	119.597	ng	99
78) Pyrene	19.621	202	3772945	48.162	ng	100
80) Butylbenzylphthalate	20.521	149	1635798	58.470	ng	98
81) Benzo(a)anthracene	21.362	228	3281018	45.238	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1164267	54.655	ng	98
83) Chrysene	21.415	228	3054271	43.709	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2822332	75.164	ng	98
85) Di-n-octyl phthalate	22.191	149	3488642	58.993	ng	99
87) Indeno(1,2,3-cd)pyrene	26.132	276	4333566	49.206	ng	98
88) Benzo(b)fluoranthene	23.003	252	3487526	46.703	ng	99
89) Benzo(k)fluoranthene	23.050	252	3403113	44.678	ng	99
90) Benzo(a)pyrene	23.609	252	3050567	50.138	ng	99
91) Dibenzo(a,h)anthracene	26.144	278	3676690	50.272	ng	99
92) Benzo(g,h,i)perylene	26.874	276	3559249	50.004	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

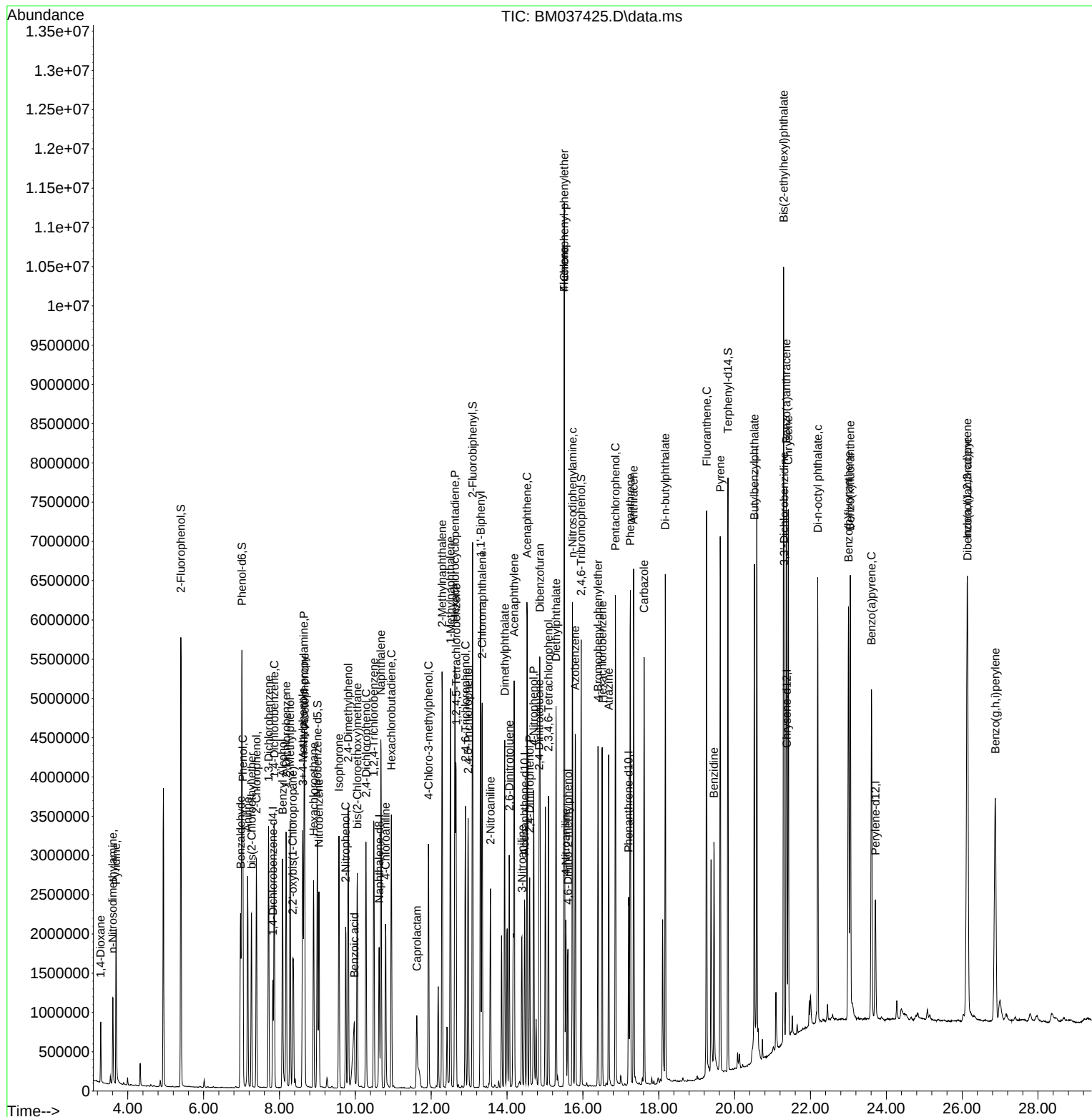
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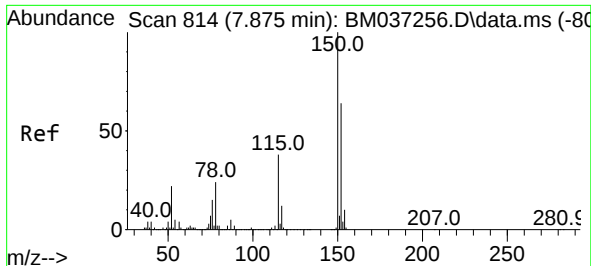
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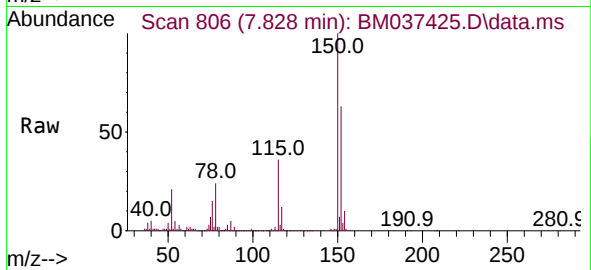
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 Supervised By : Jagrut Upadhyay 11/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 80
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

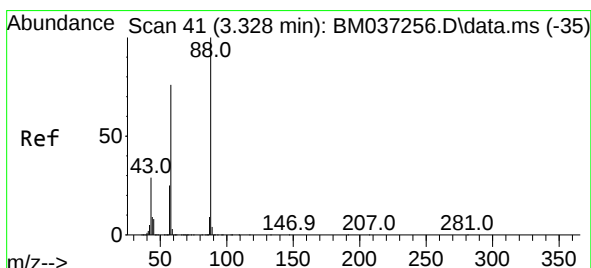
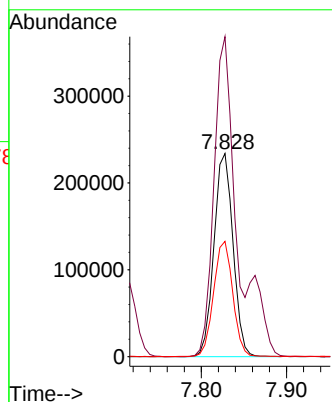
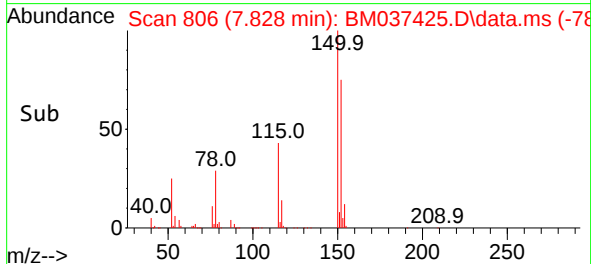
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ClientSampleId :
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Tgt Ion:152 Resp: 363919
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 56.8 47.0 70.4

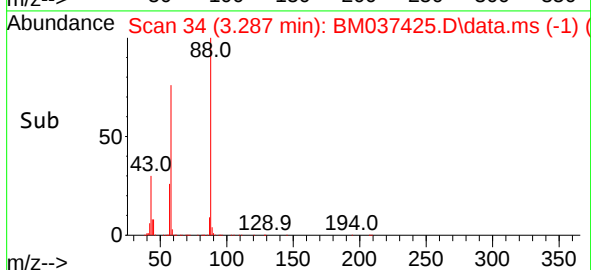
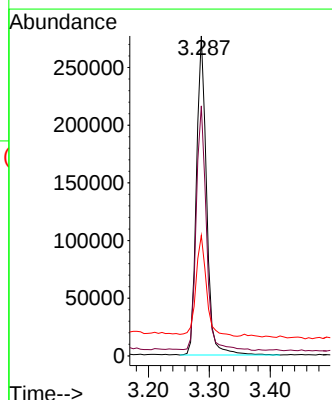
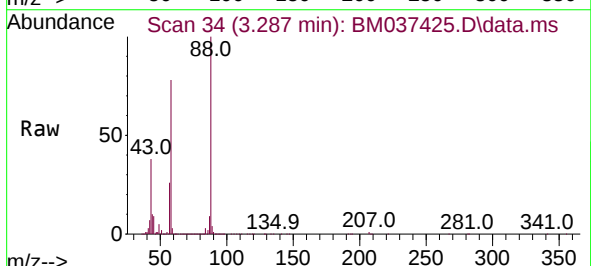
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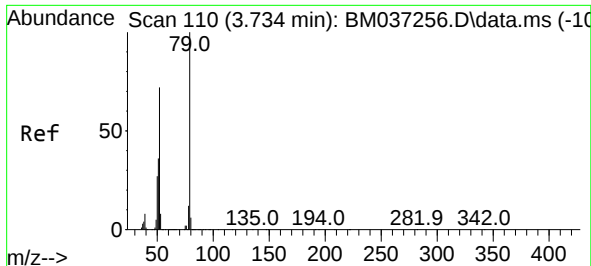
Reviewed By :Christian Giraldo 11/09/2022
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#2
1,4-Dioxane
Concen: 37.171 ng
RT: 3.287 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

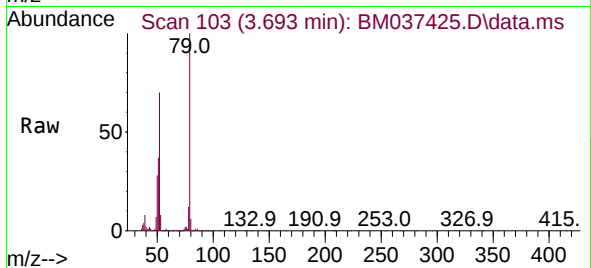
Tgt Ion: 88 Resp: 320621
Ion Ratio Lower Upper
88 100
58 76.7 63.5 95.3
43 32.8 24.2 36.4





#3
Pyridine
Concen: 35.691 ng
RT: 3.693 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

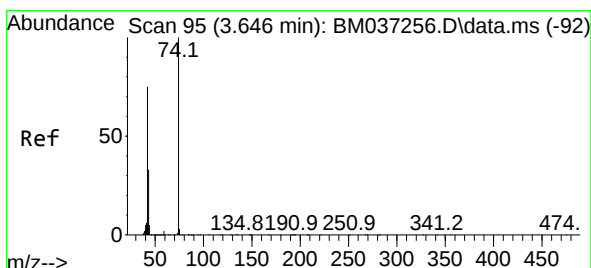
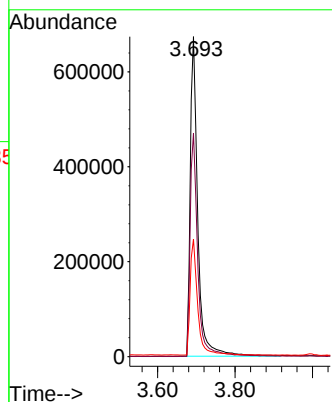
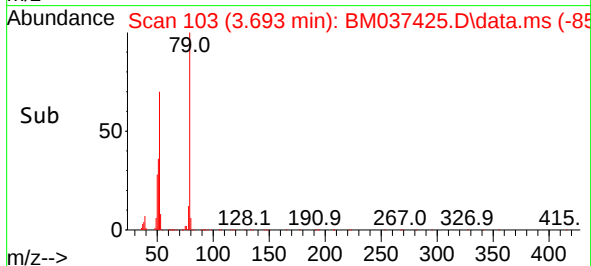
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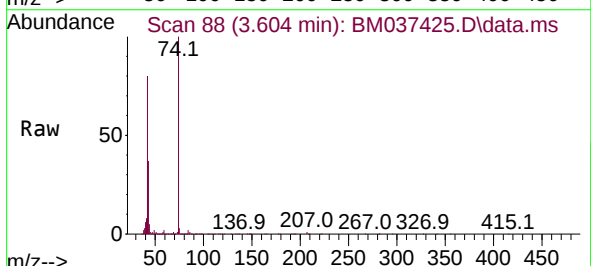
Tgt Ion: 79 Resp: 917182
Ion Ratio Lower Upper
79 100
52 69.9 57.8 86.6
51 36.7 29.0 43.6

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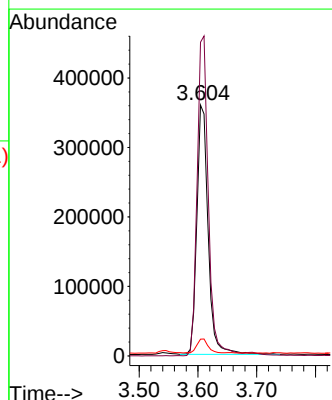
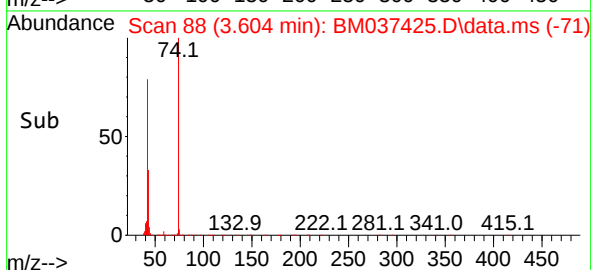
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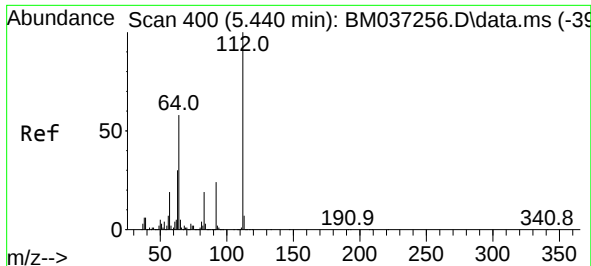


#4
n-Nitrosodimethylamine
Concen: 42.579 ng
RT: 3.604 min Scan# 88
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



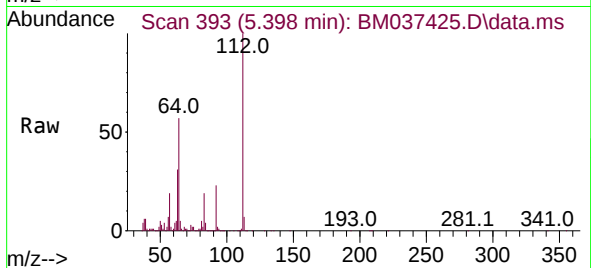
Tgt Ion: 42 Resp: 478248
Ion Ratio Lower Upper
42 100
74 125.1 106.2 159.2
44 6.6 5.4 8.0





#5
2-Fluorophenol
Concen: 112.802 ng
RT: 5.398 min Scan# 39
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

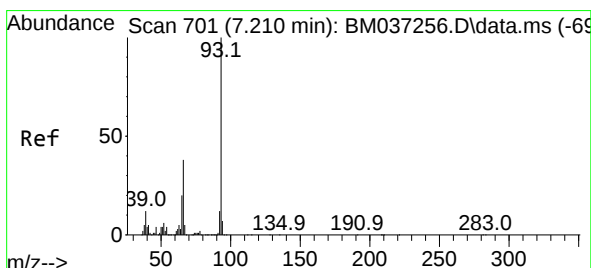
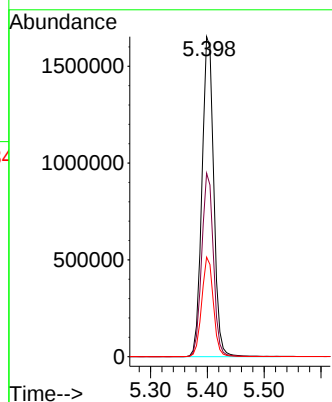
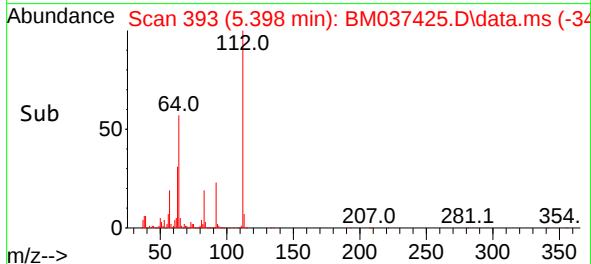
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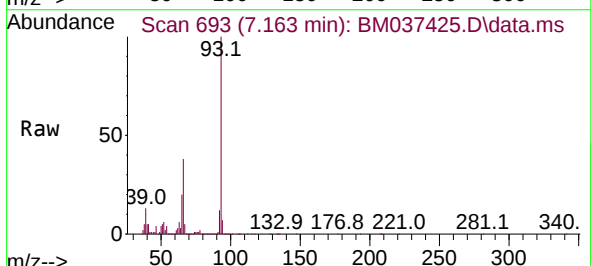
Tgt Ion: 112 Resp: 2376113
Ion Ratio Lower Upper
112 100
64 57.3 46.8 70.2
63 31.1 24.4 36.6

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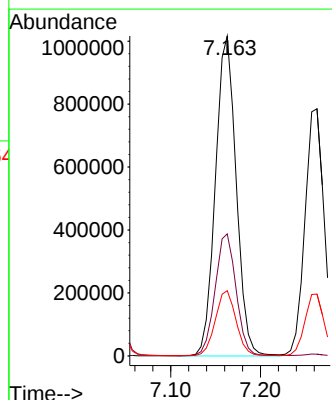
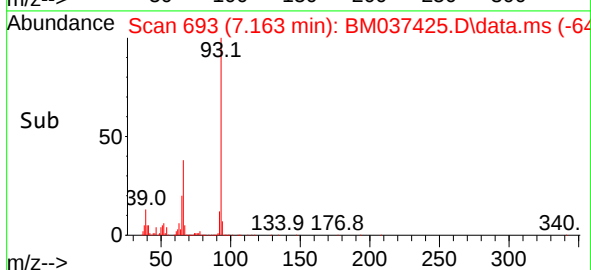
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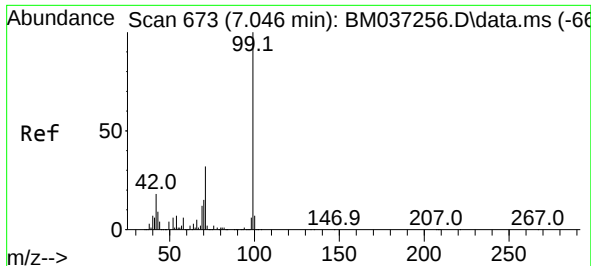


#6
Aniline
Concen: 46.996 ng
RT: 7.163 min Scan# 693
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



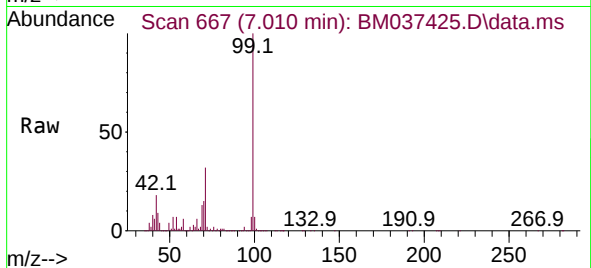
Tgt Ion: 93 Resp: 1642500
Ion Ratio Lower Upper
93 100
66 38.1 30.4 45.6
65 20.4 16.2 24.2





#7
Phenol-d6
Concen: 109.119 ng
RT: 7.010 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM037425.D
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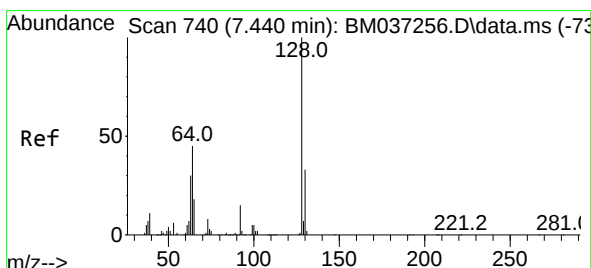
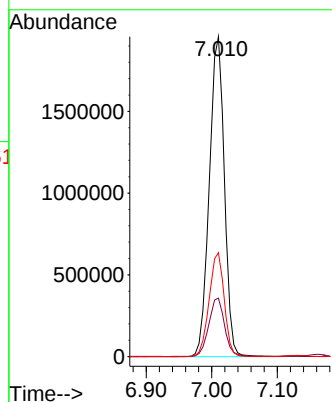
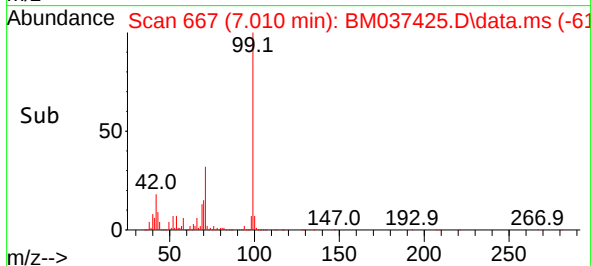
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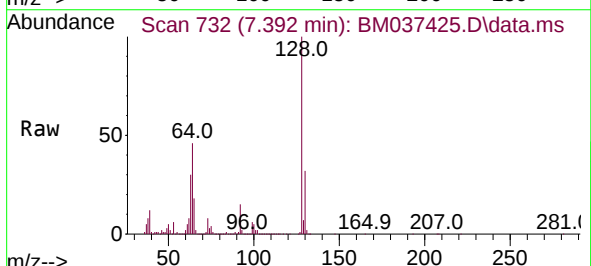
Tgt Ion: 99 Resp: 311960
Ion Ratio Lower Upper
99 100
42 18.3 14.8 22.2
71 32.5 25.6 38.4

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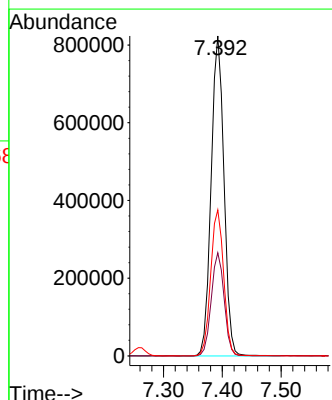
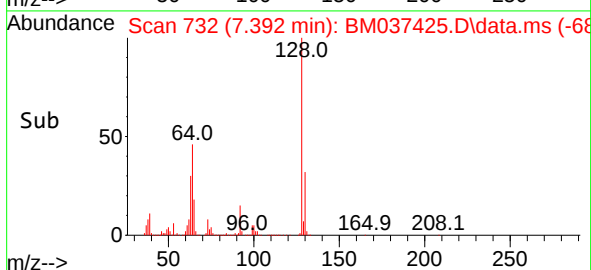
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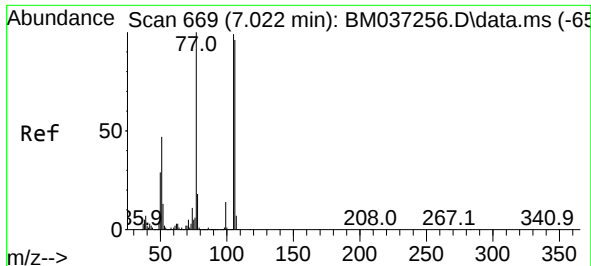


#8
2-Chlorophenol
Concen: 48.680 ng
RT: 7.392 min Scan# 732
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



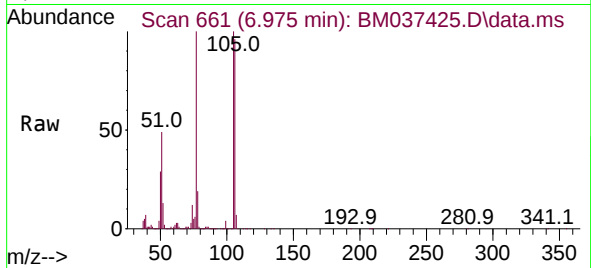
Tgt Ion:128 Resp: 1248040
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 45.6 26.4 66.4





#9
Benzaldehyde
Concen: 49.182 ng
RT: 6.975 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM037425.D
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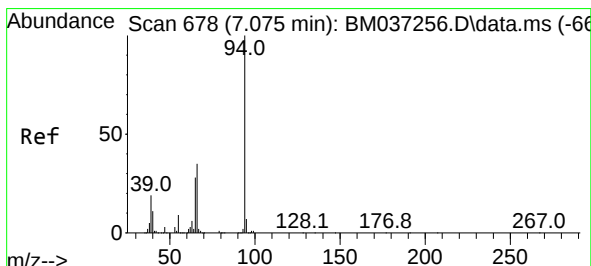
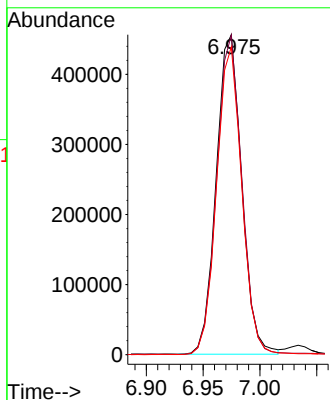
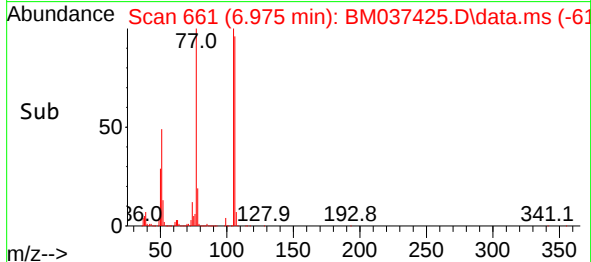
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ClientSampleId :
LFR-SOIL-1103MSD



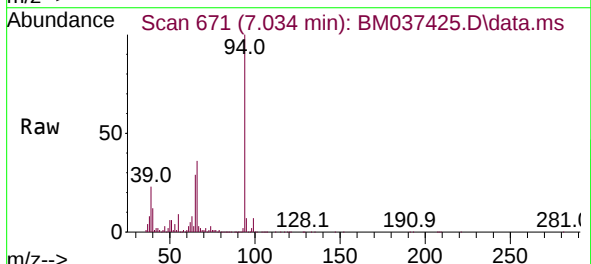
Tgt Ion: 77 Resp: 711730
Ion Ratio Lower Upper
77 100
105 99.8 78.6 118.6
106 96.2 75.8 115.8

Manual Integrations
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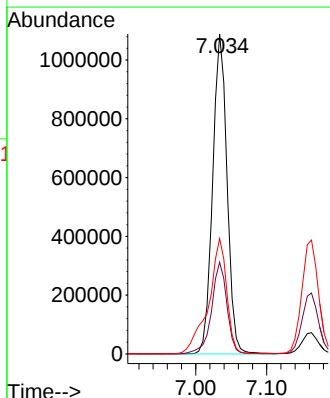
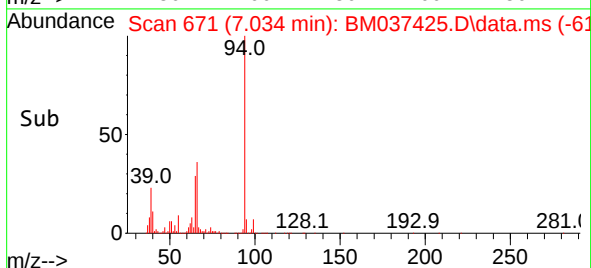
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

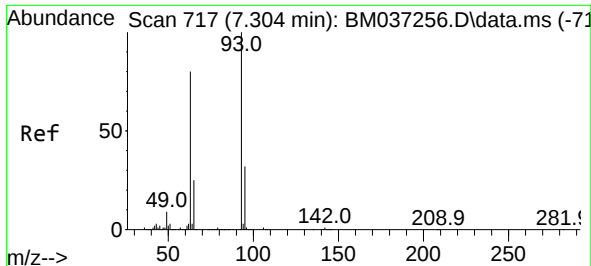


#10
Phenol
Concen: 47.921 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



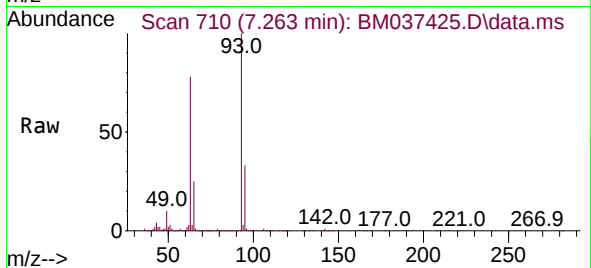
Tgt Ion: 94 Resp: 1535116
Ion Ratio Lower Upper
94 100
65 28.6 8.1 48.1
66 36.0 15.5 55.5





#11
bis(2-Chloroethyl)ether
Concen: 45.192 ng
RT: 7.263 min Scan# 711
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

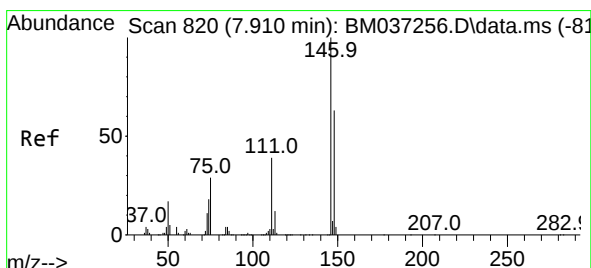
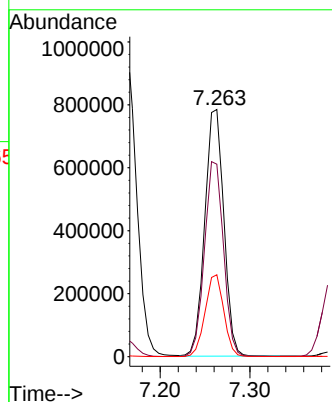
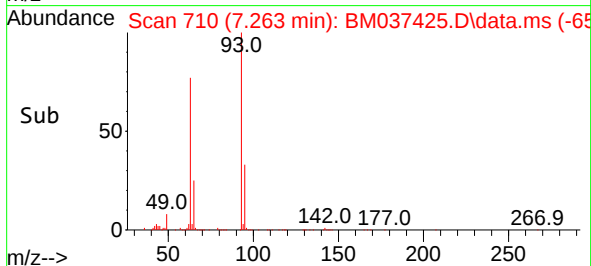
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



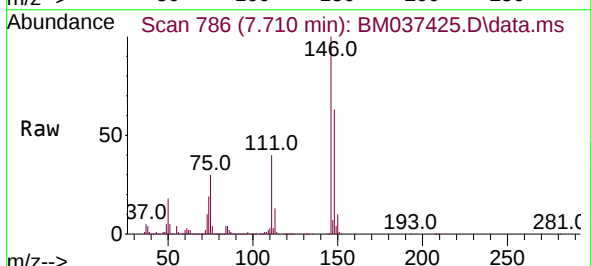
Tgt Ion: 93 Resp: 1160684
Ion Ratio Lower Upper
93 100
63 77.8 59.3 99.3
95 33.1 12.0 52.0

Manual Integrations
APPROVED

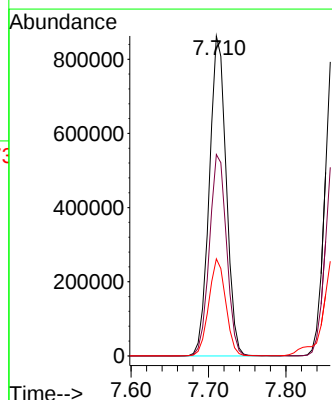
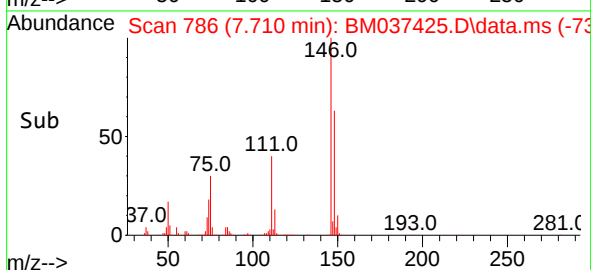
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

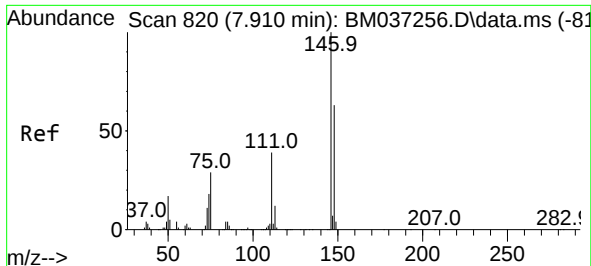


#12
1,3-Dichlorobenzene
Concen: 46.532 ng
RT: 7.710 min Scan# 786
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



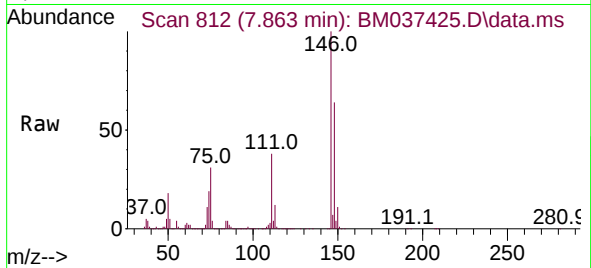
Tgt Ion:146 Resp: 1303609
Ion Ratio Lower Upper
146 100
148 62.9 50.5 75.7
75 30.3 24.5 36.7





#13
1,4-Dichlorobenzene
Concen: 45.900 ng
RT: 7.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

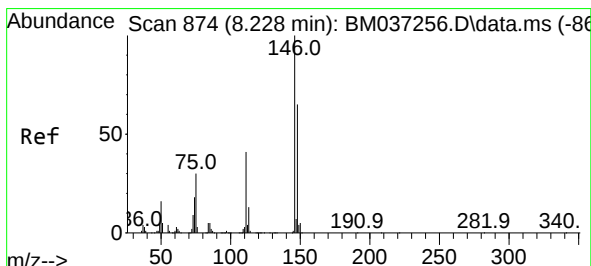
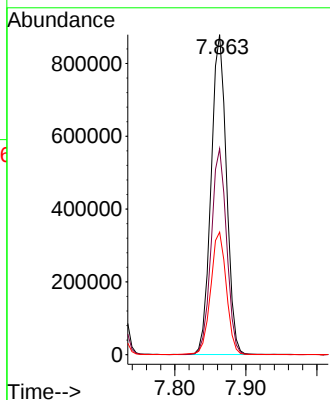
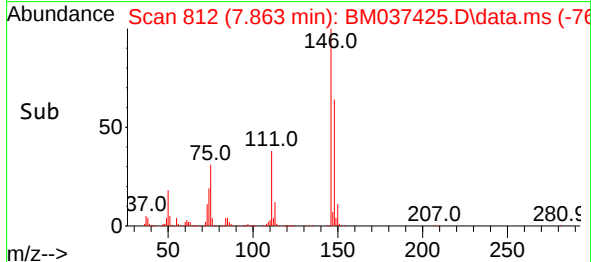
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



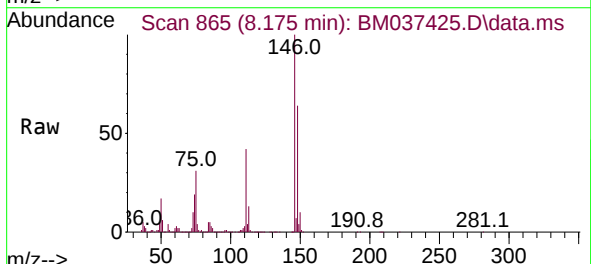
Tgt Ion:146 Resp: 1326424
Ion Ratio Lower Upper
146 100
148 64.3 50.5 75.7
111 38.3 31.1 46.7

Manual Integrations
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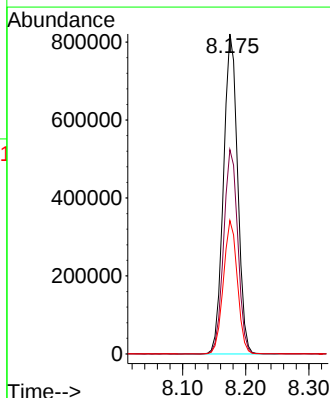
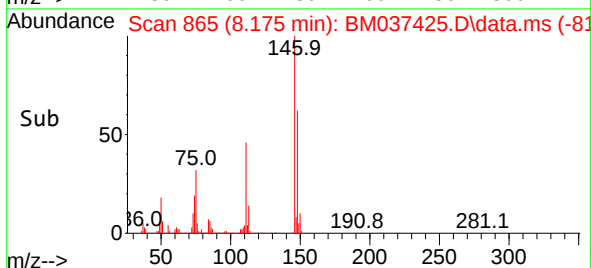
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

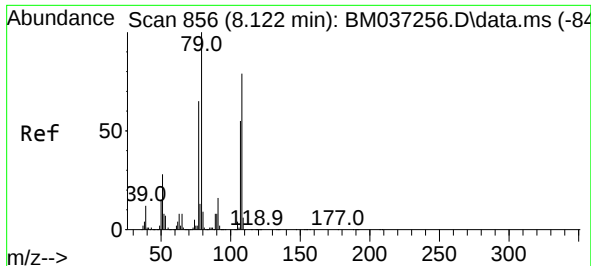


#14
1,2-Dichlorobenzene
Concen: 45.938 ng
RT: 8.175 min Scan# 865
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



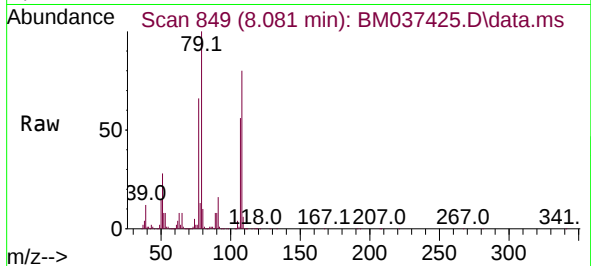
Tgt Ion:146 Resp: 1274985
Ion Ratio Lower Upper
146 100
148 63.8 52.4 78.6
111 41.7 33.0 49.6





#15
Benzyl Alcohol
Concen: 48.529 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

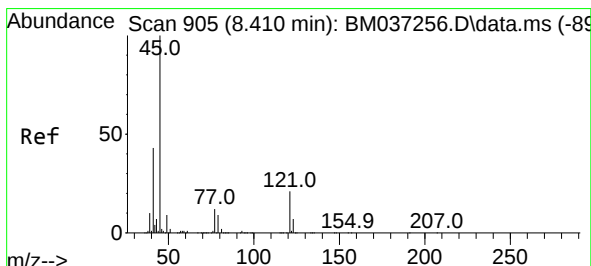
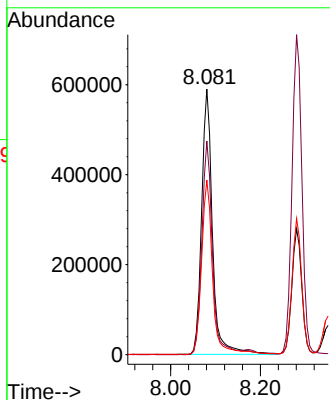
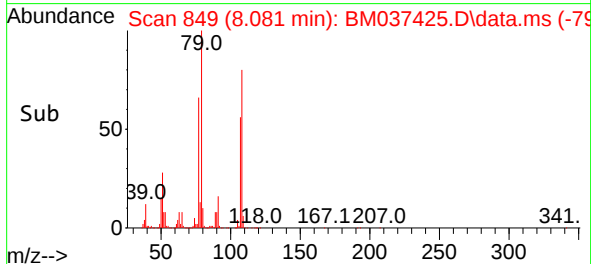
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



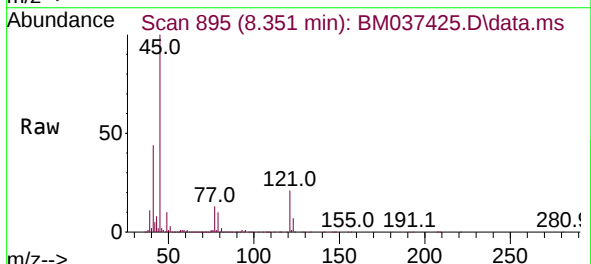
Tgt Ion: 79 Resp: 991895
Ion Ratio Lower Upper
79 100
108 80.4 63.1 94.7
77 65.7 51.7 77.5

Manual Integrations
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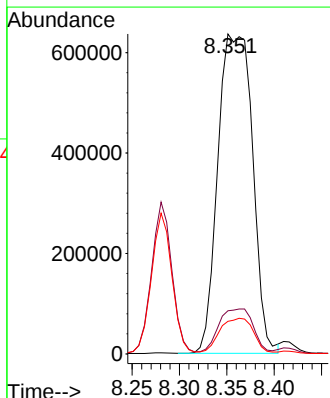
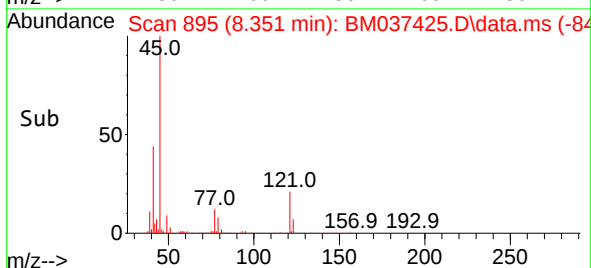
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

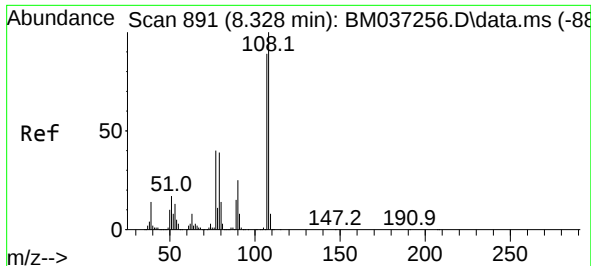


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.209 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



Tgt Ion: 45 Resp: 1618727
Ion Ratio Lower Upper
45 100
77 13.5 0.0 34.0
79 10.2 0.0 30.6





#17

2-Methylphenol

Concen: 46.619 ng

RT: 8.281 min Scan# 881

Delta R.T. -0.000 min

Lab File: BM037425.D

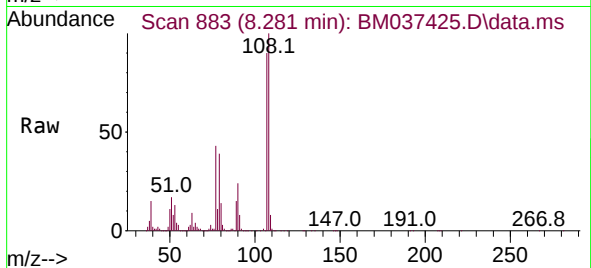
Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD



Tgt Ion:107 Resp: 97596

Ion Ratio Lower Upper

107 100

108 111.0 89.5 134.3

77 47.2 36.2 54.2

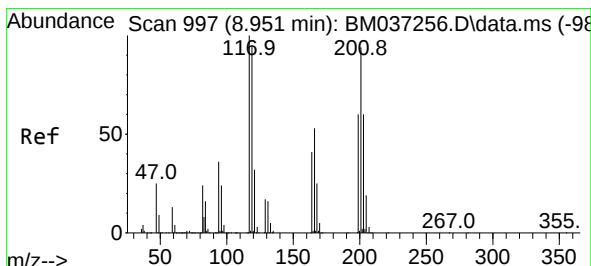
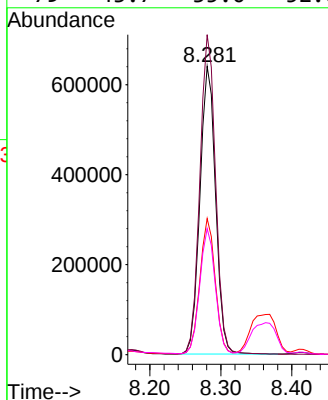
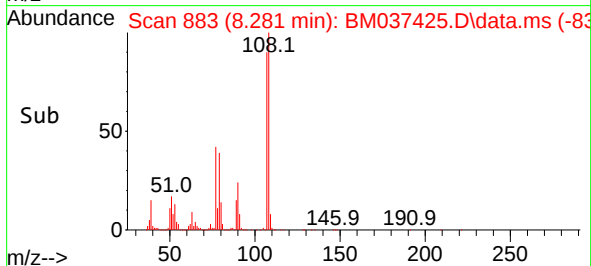
79 43.7 35.0 52.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/09/2022



#18

Hexachloroethane

Concen: 47.948 ng

RT: 8.898 min Scan# 988

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

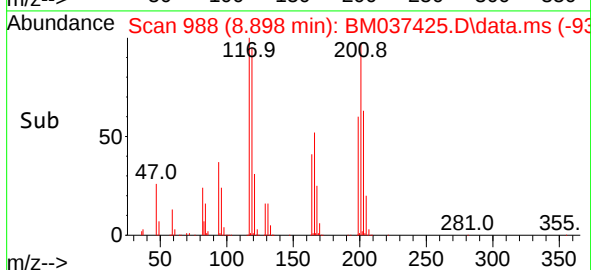
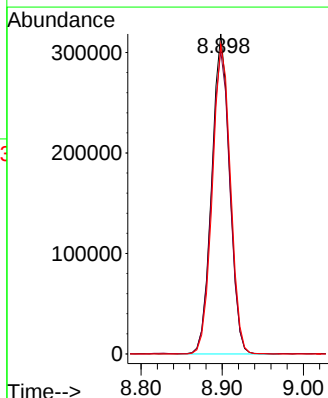
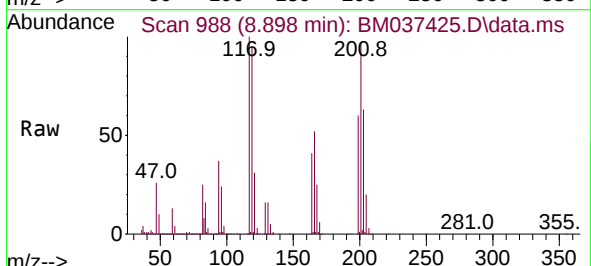
Tgt Ion:117 Resp: 488647

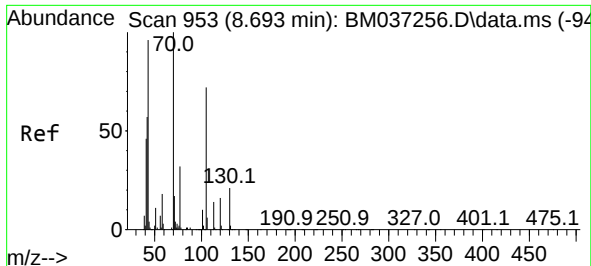
Ion Ratio Lower Upper

117 100

119 94.7 75.9 113.9

201 96.7 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 44.680 ng

RT: 8.645 min Scan# 94

Delta R.T. -0.000 min

Lab File: BM037425.D

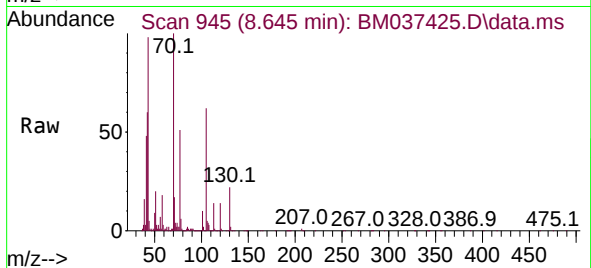
Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD



Tgt Ion: 70 Resp: 875716

Ion Ratio Lower Upper

70 100

42 59.5 46.4 69.6

101 9.7 7.8 11.8

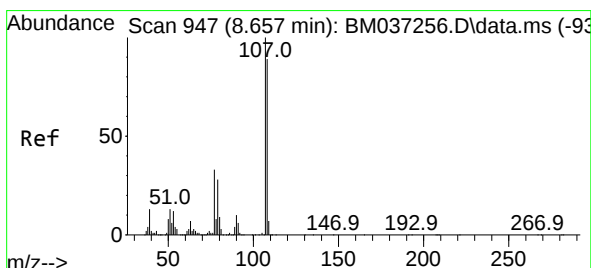
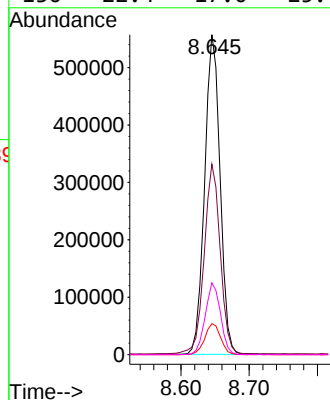
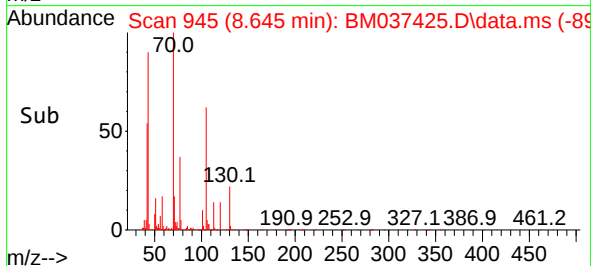
130 22.4 17.0 25.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/09/2022



#20

3+4-Methylphenols

Concen: 49.424 ng

RT: 8.616 min Scan# 940

Delta R.T. 0.006 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion:107 Resp: 1421232

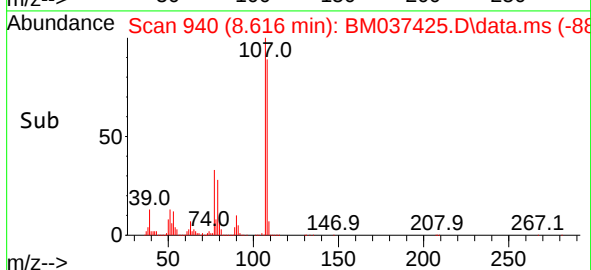
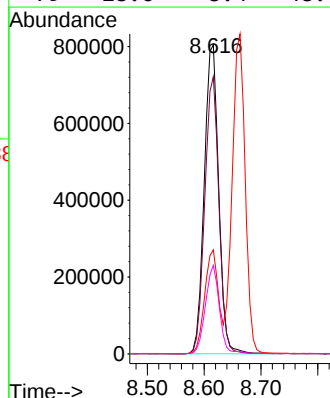
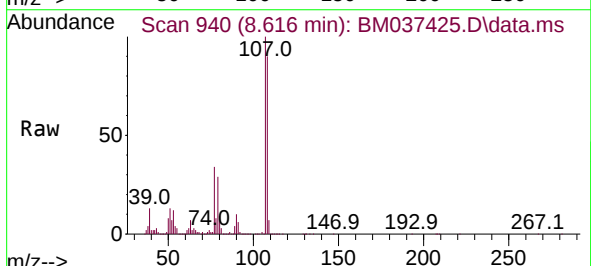
Ion Ratio Lower Upper

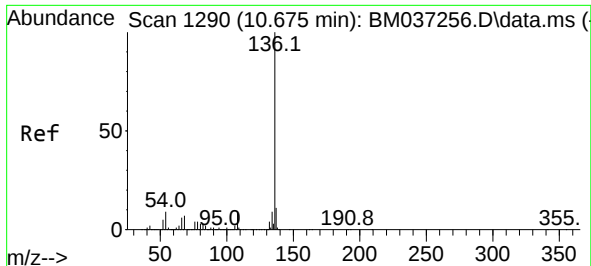
107 100

108 89.6 69.4 109.4

77 33.7 12.8 52.8

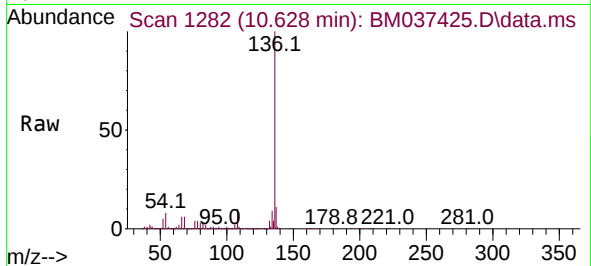
79 28.6 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

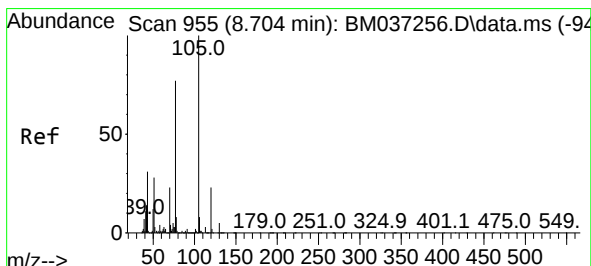
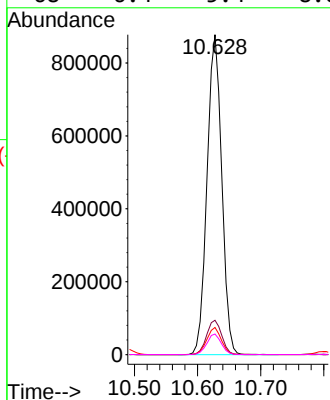
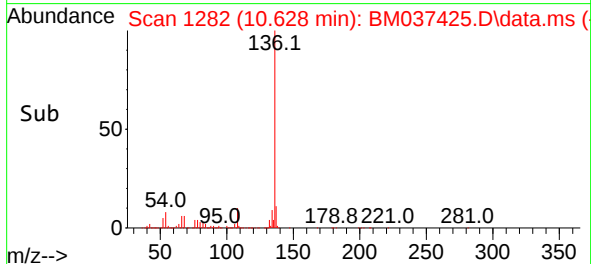
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:136 Resp: 1418806
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.5 7.0 10.4
68 6.4 5.4 8.0

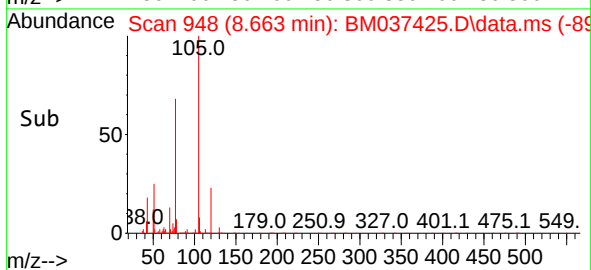
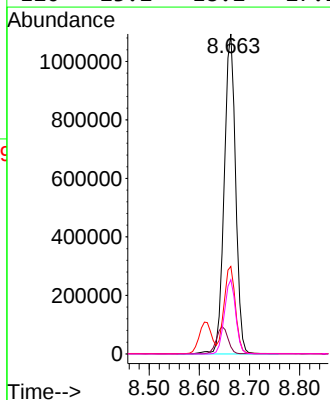
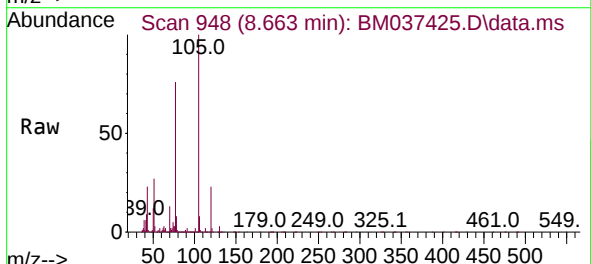
Manual Integrations
APPROVED

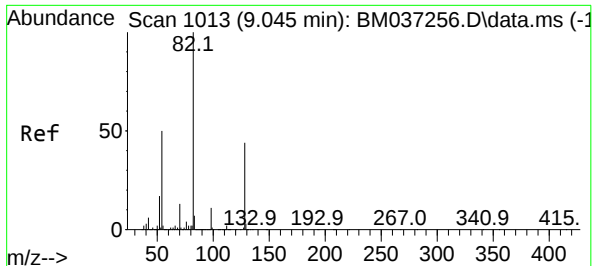
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#22
Acetophenone
Concen: 46.861 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:105 Resp: 1728114
Ion Ratio Lower Upper
105 100
71 2.2 3.0 4.4#
51 27.3 22.1 33.1
120 23.2 18.2 27.2





#23

Nitrobenzene-d5

Concen: 61.788 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BM037425.D

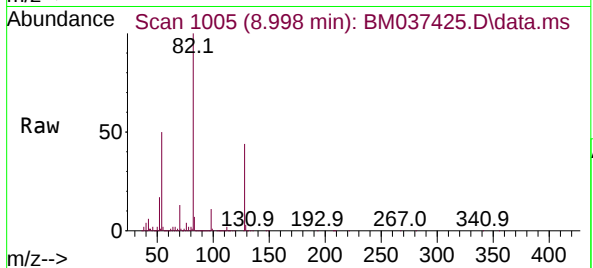
Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD



Tgt Ion: 82 Resp: 173758

Ion Ratio Lower Upper

82 100

128 44.3 35.2 52.8

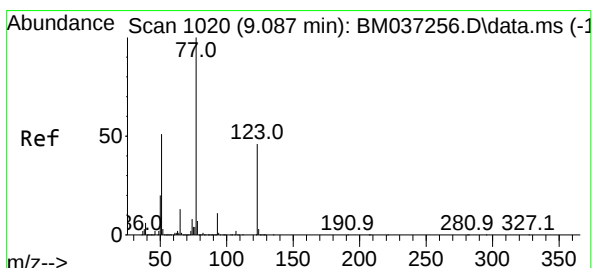
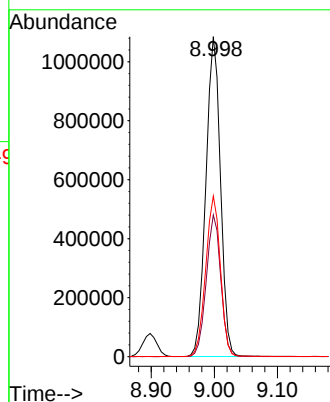
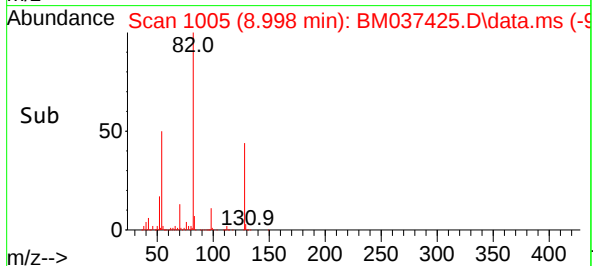
54 50.2 40.4 60.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#24

Nitrobenzene

Concen: 44.857 ng

RT: 9.039 min Scan# 1012

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

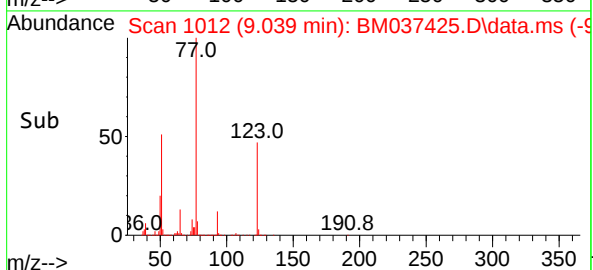
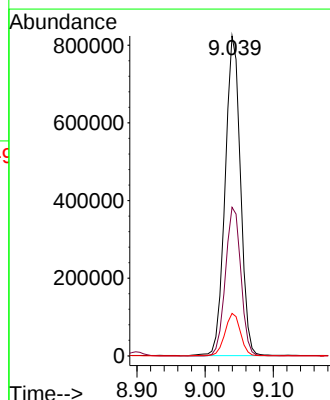
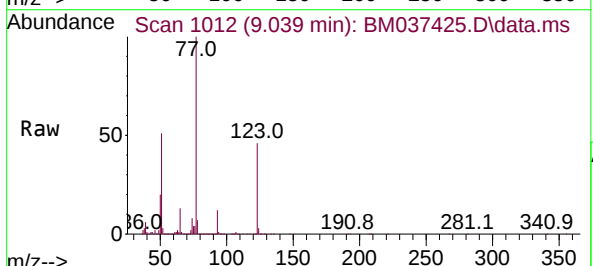
Tgt Ion: 77 Resp: 1278882

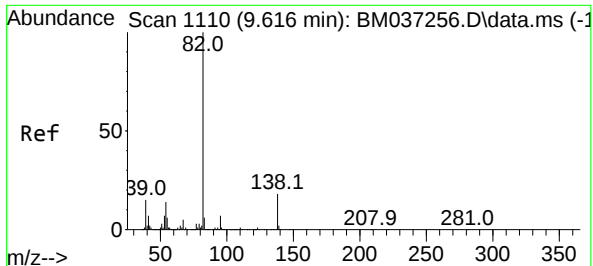
Ion Ratio Lower Upper

77 100

123 46.5 36.6 55.0

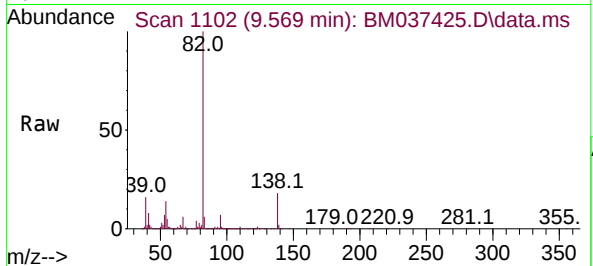
65 13.3 10.6 16.0





#25
Isophorone
Concen: 48.429 ng
RT: 9.569 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

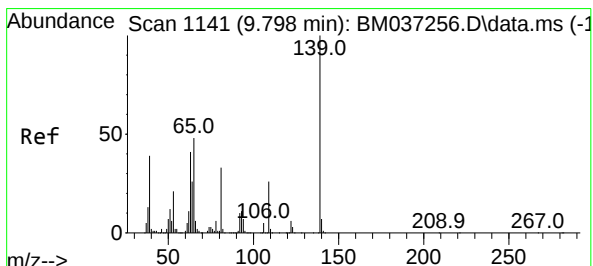
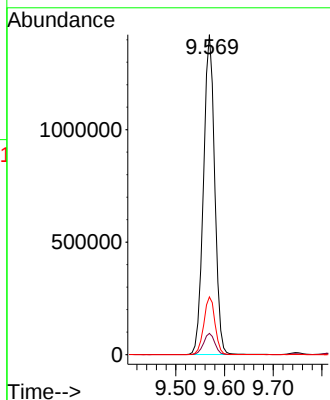
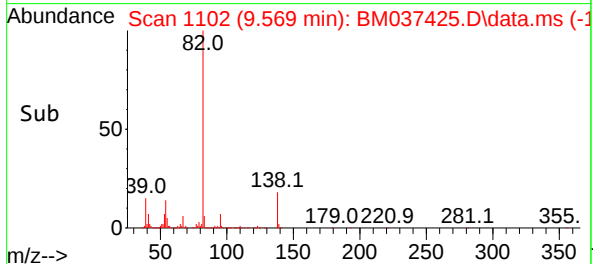
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion: 82 Resp: 2276129
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 18.0 14.2 21.4

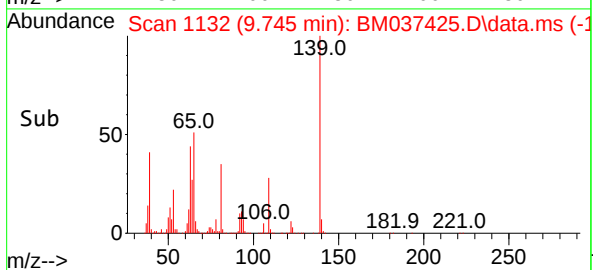
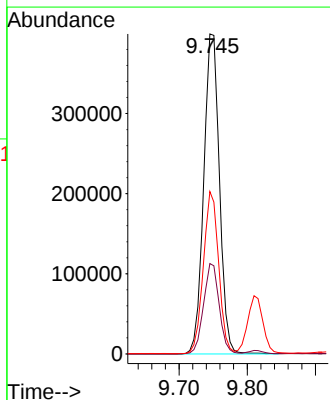
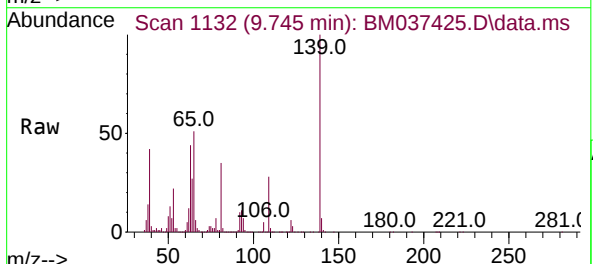
Manual Integrations
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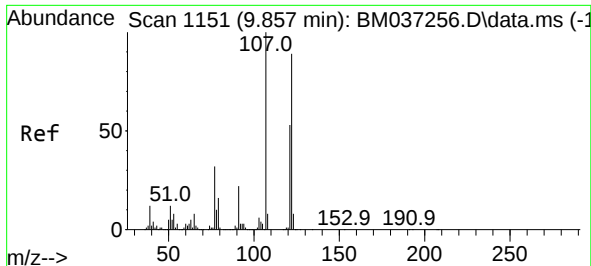
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#26
2-Nitrophenol
Concen: 50.213 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:139 Resp: 640897
Ion Ratio Lower Upper
139 100
109 28.2 21.1 31.7
65 50.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 56.313 ng

RT: 9.810 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM037425.D

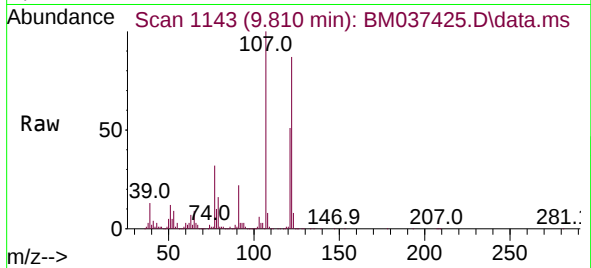
Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD



Tgt Ion:122 Resp: 1066674

Ion Ratio Lower Upper

122 100

107 114.7 89.7 134.5

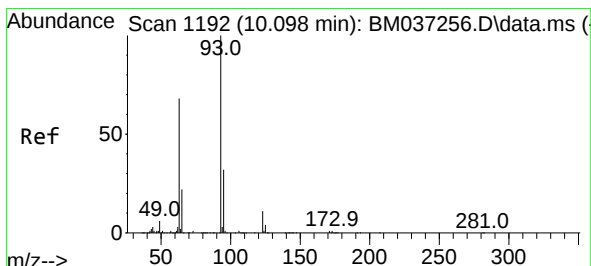
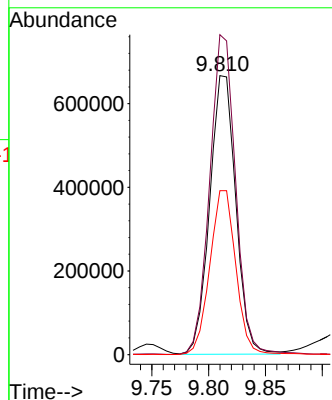
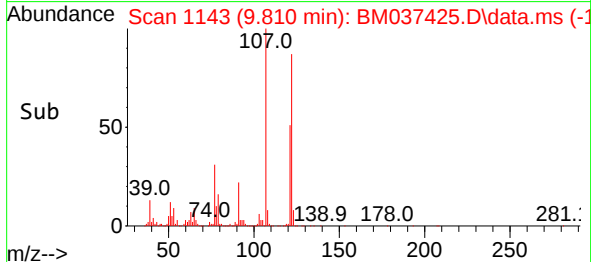
121 58.7 47.1 70.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#28

bis(2-Chloroethoxy)methane

Concen: 50.160 ng

RT: 10.051 min Scan# 1184

Delta R.T. 0.006 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

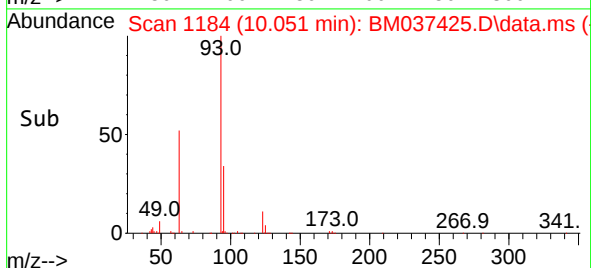
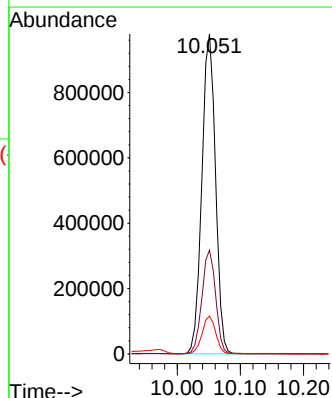
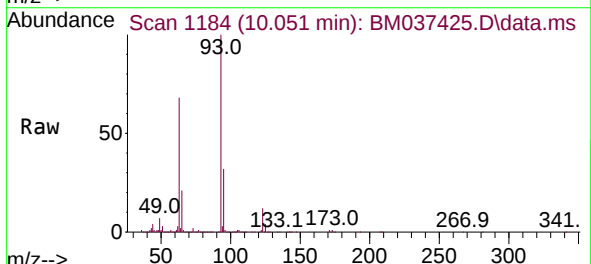
Tgt Ion: 93 Resp: 1466795

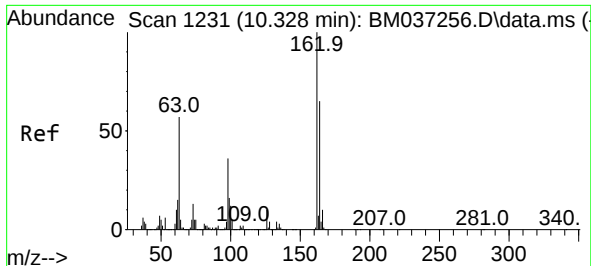
Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.8

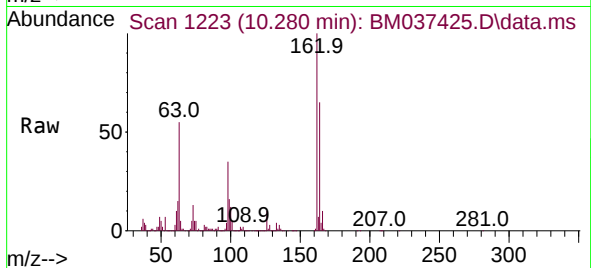
123 11.8 9.3 13.9





#29
2,4-Dichlorophenol
Concen: 49.200 ng
RT: 10.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

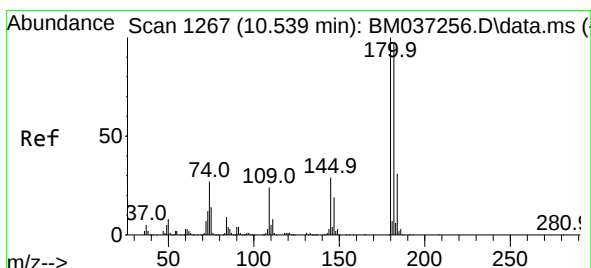
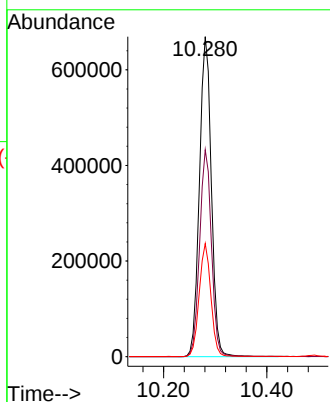
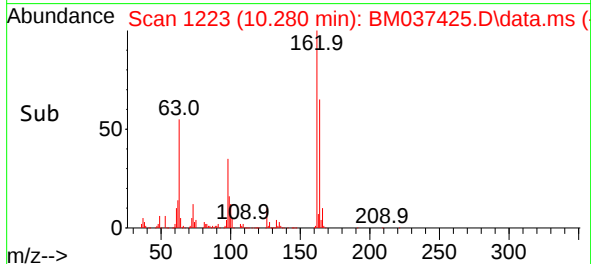
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



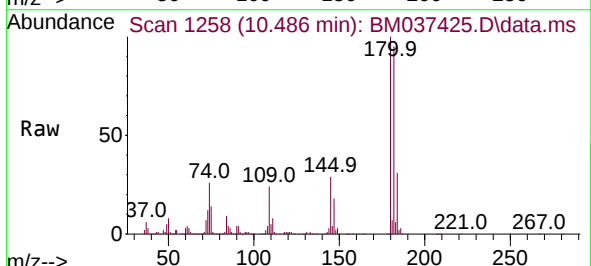
Tgt Ion:162 Resp: 1069790
Ion Ratio Lower Upper
162 100
164 64.6 45.0 85.0
98 35.3 16.2 56.2

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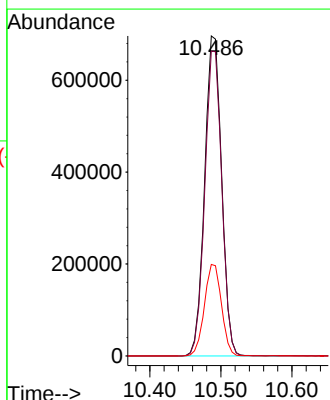
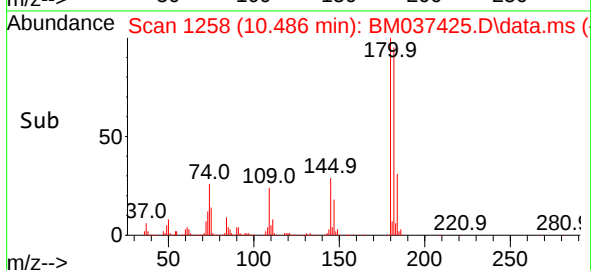
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

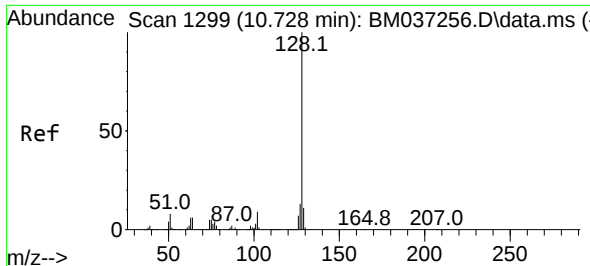


#30
1,2,4-Trichlorobenzene
Concen: 46.808 ng
RT: 10.486 min Scan# 1258
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



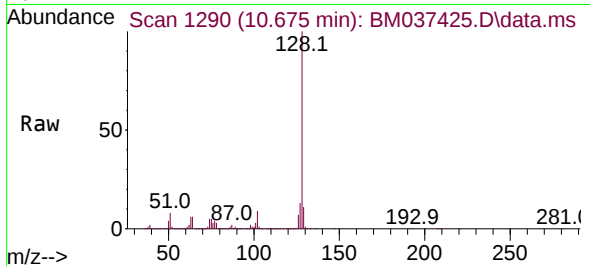
Tgt Ion:180 Resp: 1154188
Ion Ratio Lower Upper
180 100
182 95.2 77.5 116.3
145 28.6 23.5 35.3





#31
Naphthalene
Concen: 43.804 ng
RT: 10.675 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

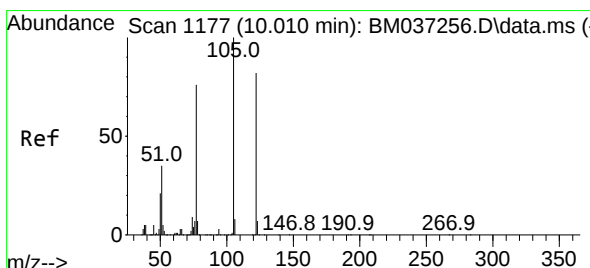
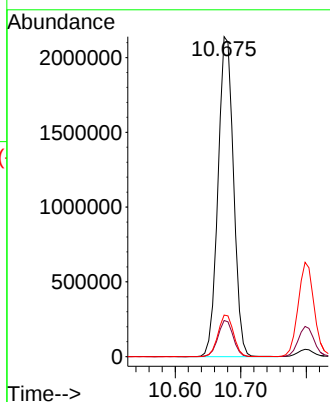
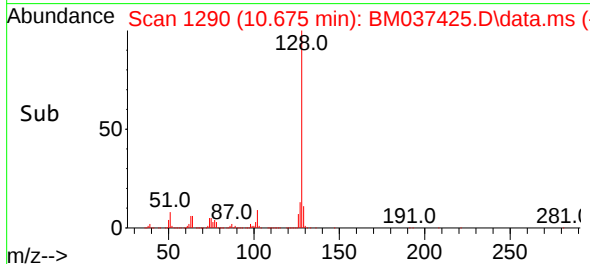
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:128 Resp: 352115
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.0 10.2 15.2

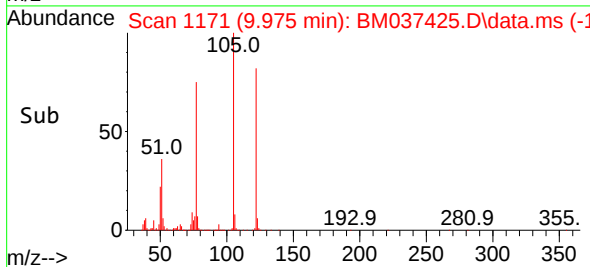
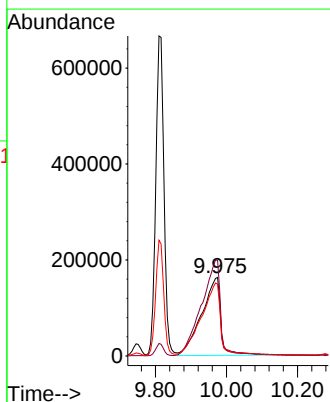
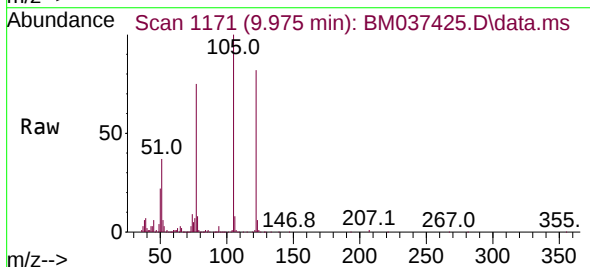
Manual Integrations
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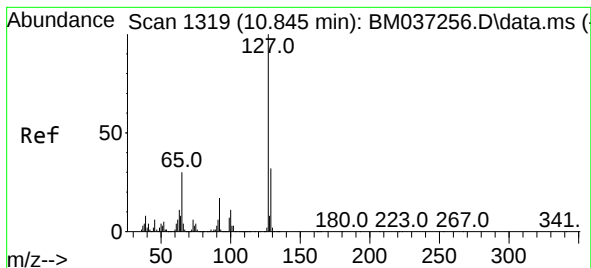
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#32
Benzoic acid
Concen: 37.368 ng
RT: 9.975 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

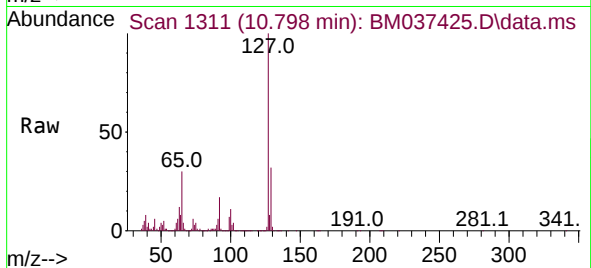
Tgt Ion:122 Resp: 613016
Ion Ratio Lower Upper
122 100
105 121.7 100.1 140.1
77 91.6 71.7 111.7





#33
4-Chloroaniline
Concen: 33.594 ng
RT: 10.798 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

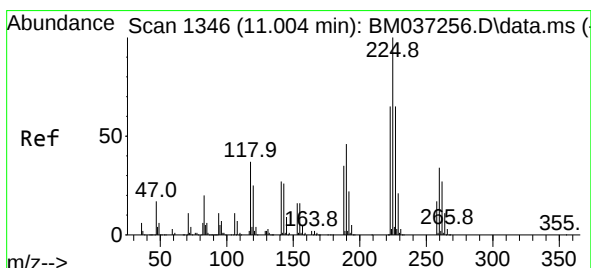
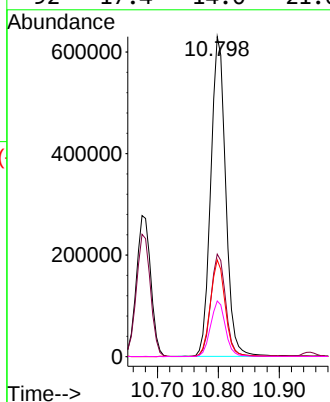
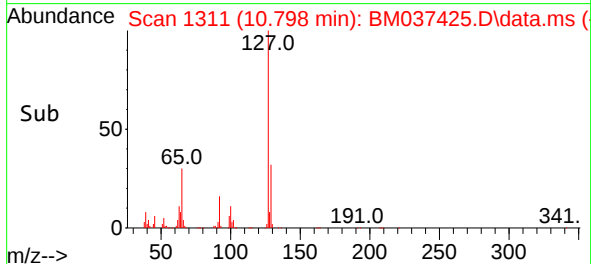
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:127 Resp: 107566
Ion Ratio Lower Upper
127 100
129 32.0 25.5 38.3
65 30.2 24.0 36.0
92 17.4 14.0 21.0

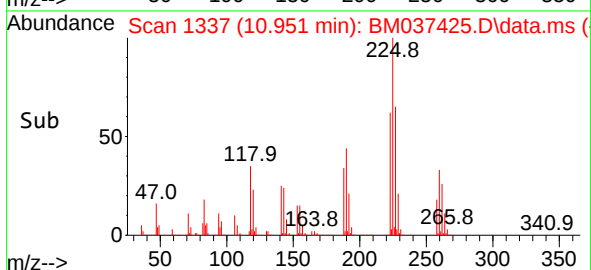
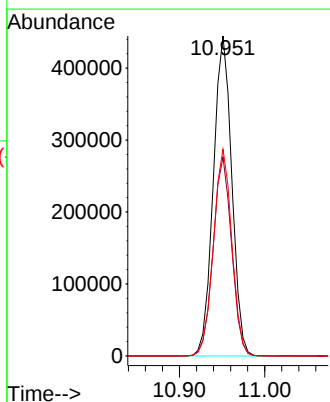
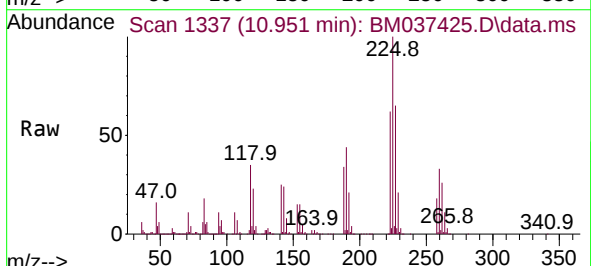
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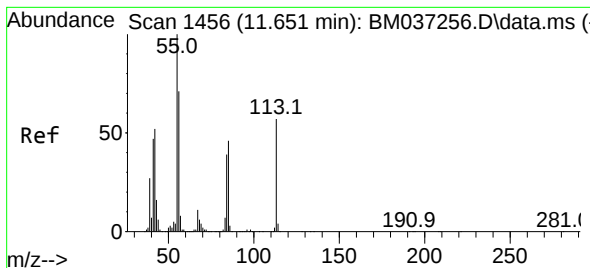
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#34
Hexachlorobutadiene
Concen: 48.564 ng
RT: 10.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

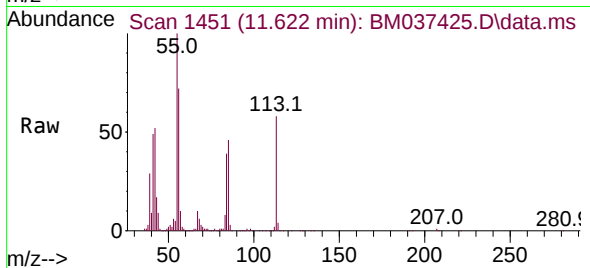
Tgt Ion:225 Resp: 668672
Ion Ratio Lower Upper
225 100
223 62.1 51.9 77.9
227 64.6 52.2 78.4





#35
Caprolactam
Concen: 43.734 ng
RT: 11.622 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

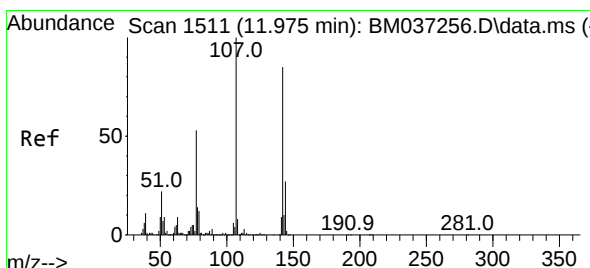
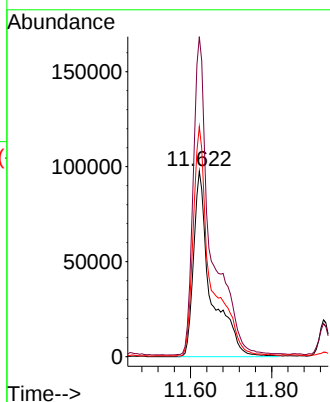
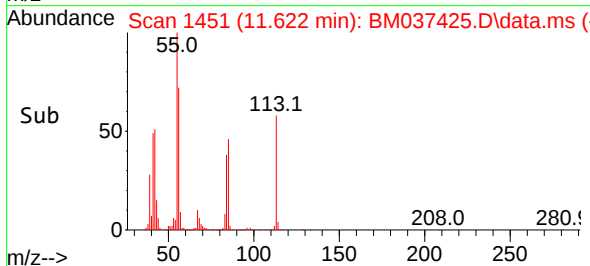
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:113 Resp: 289099
Ion Ratio Lower Upper
113 100
55 172.5 156.9 196.9
56 124.0 106.4 146.4

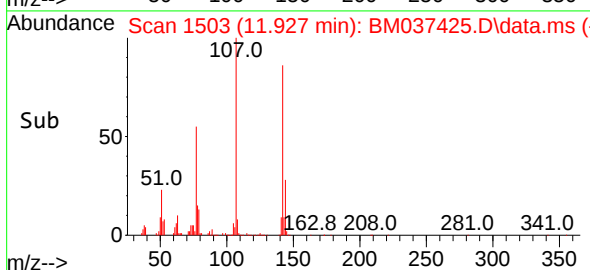
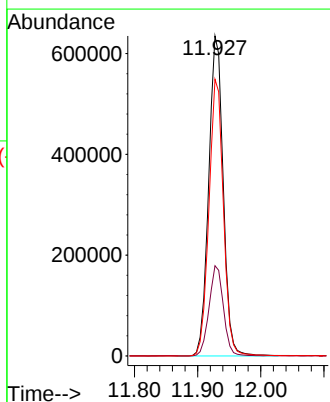
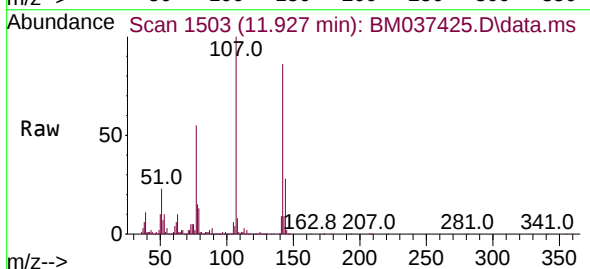
Manual Integrations
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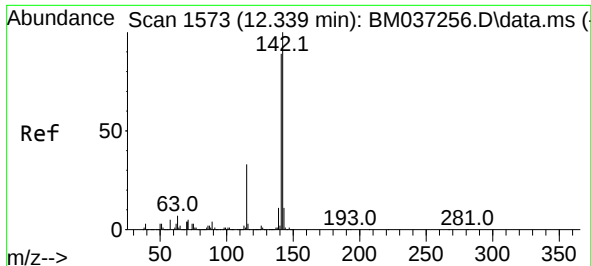
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#36
4-Chloro-3-methylphenol
Concen: 45.339 ng
RT: 11.927 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:107 Resp: 1015933
Ion Ratio Lower Upper
107 100
144 28.2 21.8 32.6
142 86.4 68.1 102.1





#37

2-Methylnaphthalene

Concen: 44.543 ng

RT: 12.286 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:142 Resp: 242590

Ion Ratio Lower Upper

142 100

141 88.8 71.3 106.9

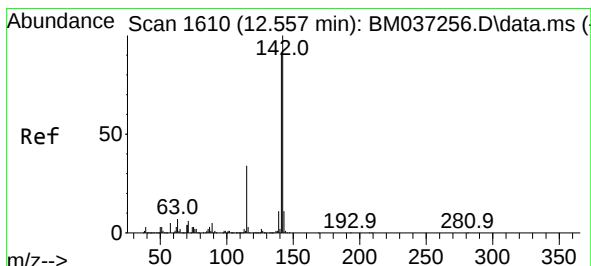
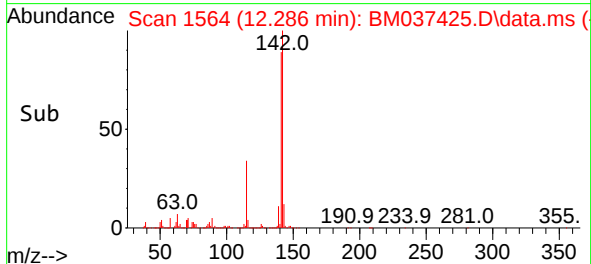
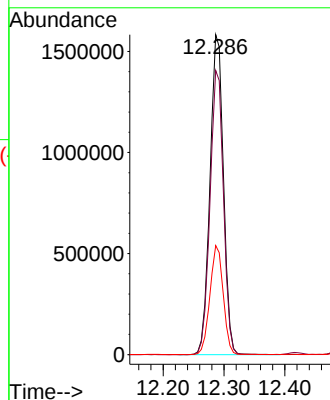
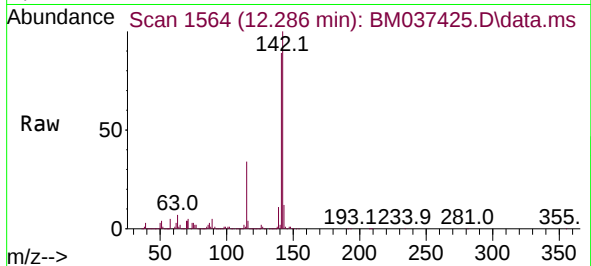
115 34.1 26.0 39.0

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#38

1-Methylnaphthalene

Concen: 42.616 ng

RT: 12.510 min Scan# 1602

Delta R.T. 0.006 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

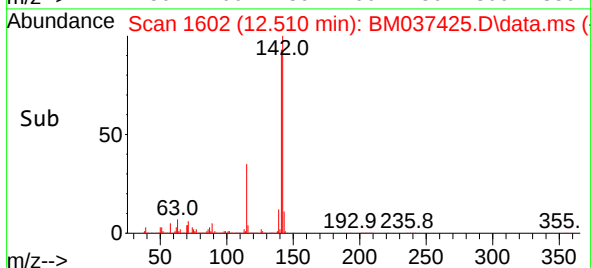
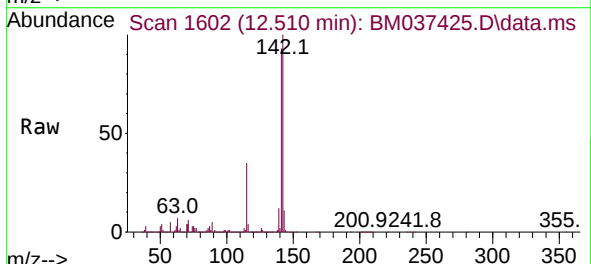
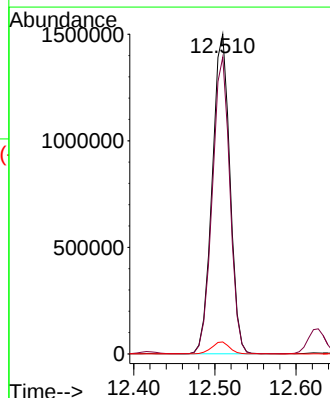
Tgt Ion:142 Resp: 2267851

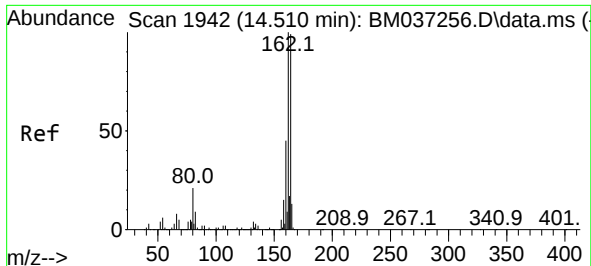
Ion Ratio Lower Upper

142 100

141 92.7 73.0 109.6

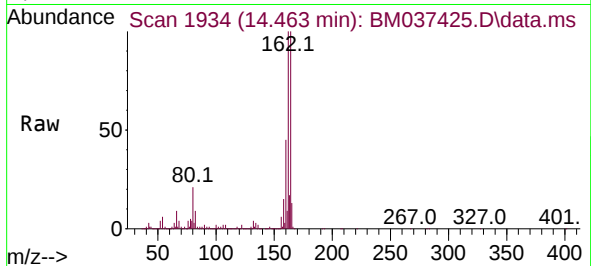
116 3.7 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

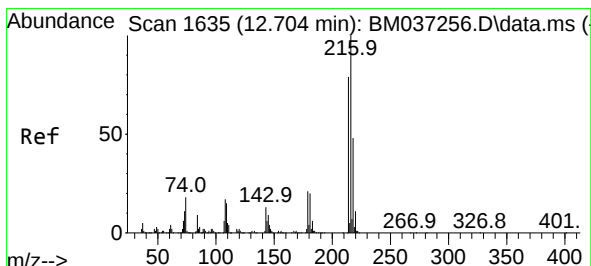
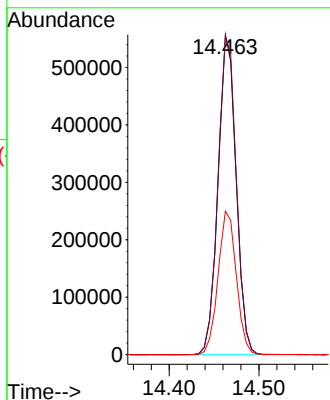
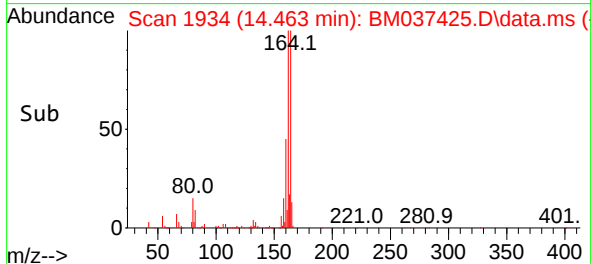
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



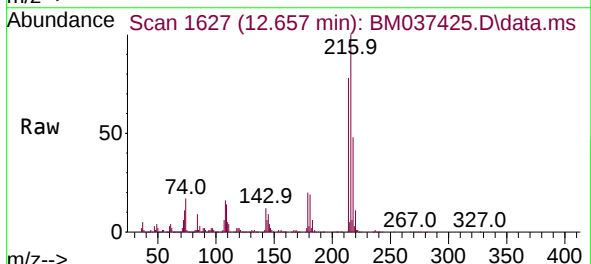
Tgt Ion:164 Resp: 778600
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 44.8 36.2 54.4

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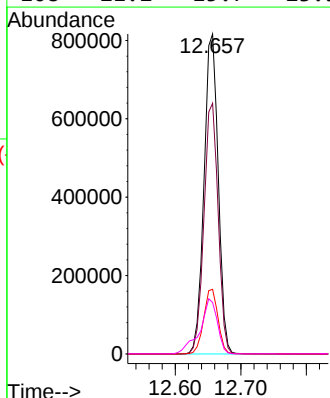
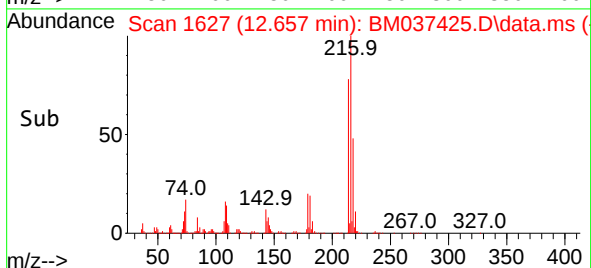
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

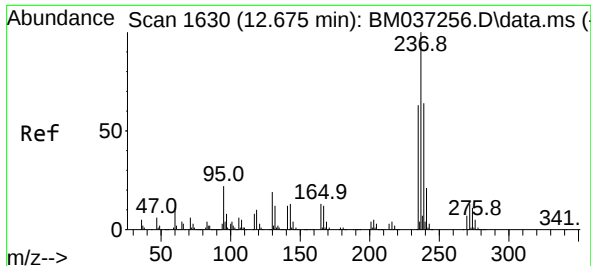


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.164 ng
RT: 12.657 min Scan# 1627
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



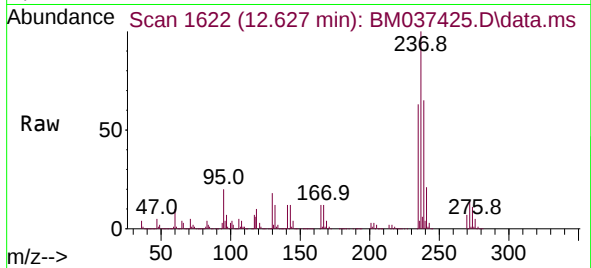
Tgt Ion:216 Resp: 1221179
Ion Ratio Lower Upper
216 100
214 78.3 63.1 94.7
179 20.3 16.8 25.2
108 21.2 15.7 23.5





#41
Hexachlorocyclopentadiene
Concen: 125.299 ng
RT: 12.627 min Scan# 1622
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

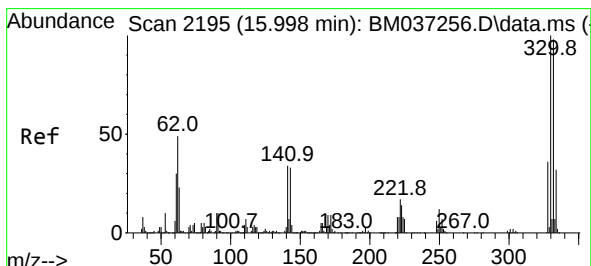
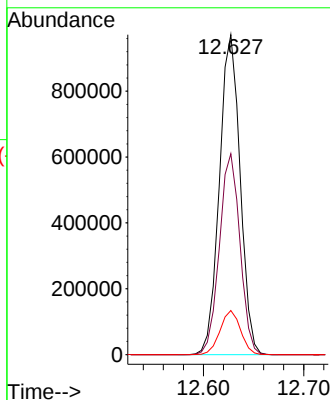
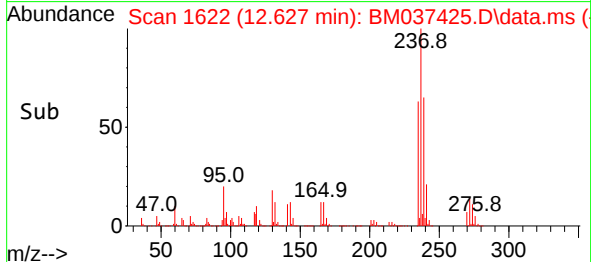
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



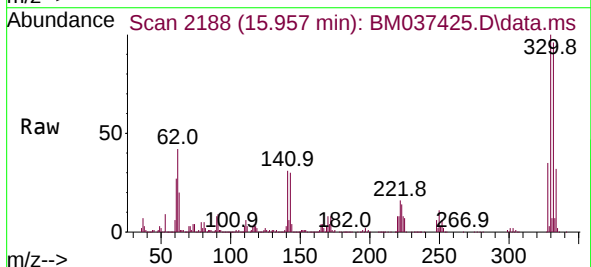
Tgt Ion:237 Resp: 139755
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 13.8 0.0 33.1

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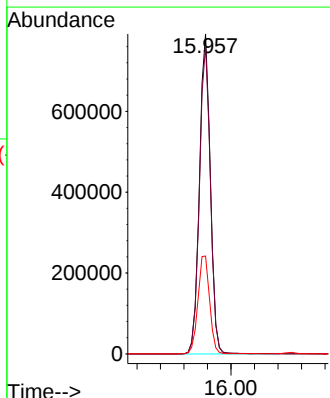
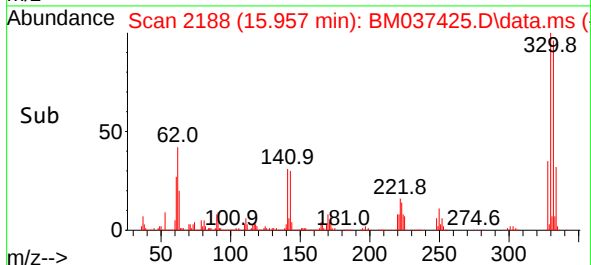
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

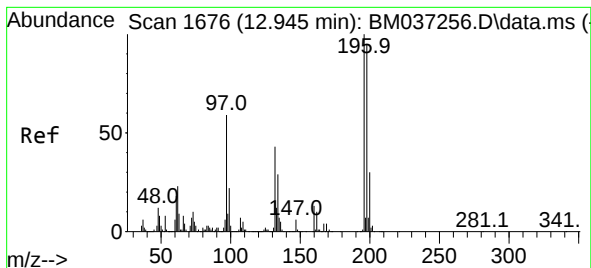


#42
2,4,6-Tribromophenol
Concen: 110.907 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



Tgt Ion:330 Resp: 1017633
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 32.8 27.5 41.3





#43

2,4,6-Trichlorophenol

Concen: 49.745 ng

RT: 12.904 min Scan# 1669

Delta R.T. 0.006 min

Lab File: BM037425.D

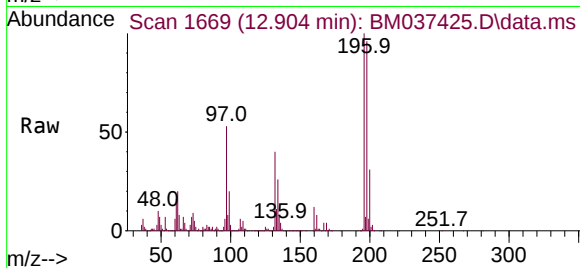
Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD



Tgt Ion:196 Resp: 801676

Ion Ratio Lower Upper

196 100

198 96.4 76.1 114.1

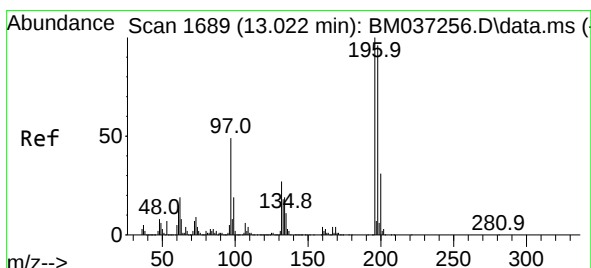
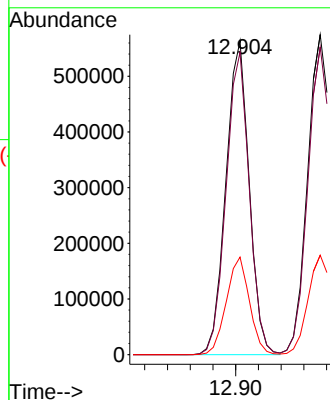
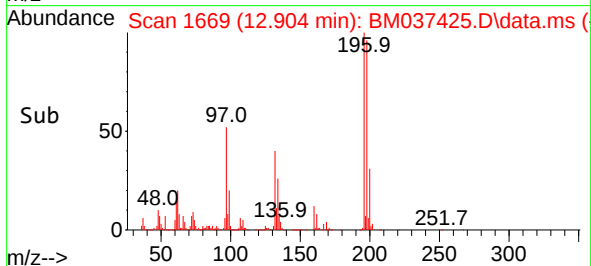
200 31.1 24.4 36.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#44

2,4,5-Trichlorophenol

Concen: 47.878 ng

RT: 12.974 min Scan# 1681

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion:196 Resp: 851151

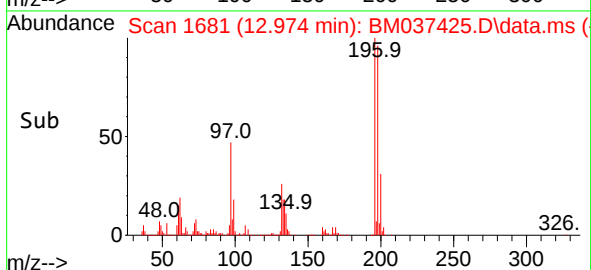
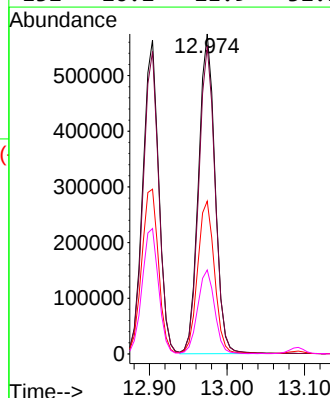
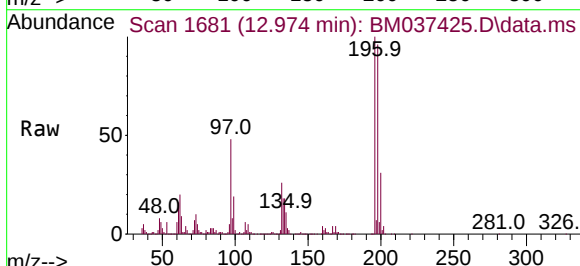
Ion Ratio Lower Upper

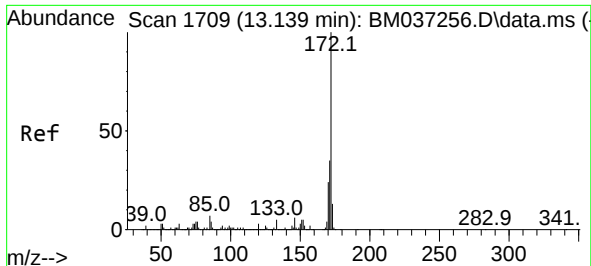
196 100

198 96.1 77.0 115.6

97 47.7 39.4 59.2

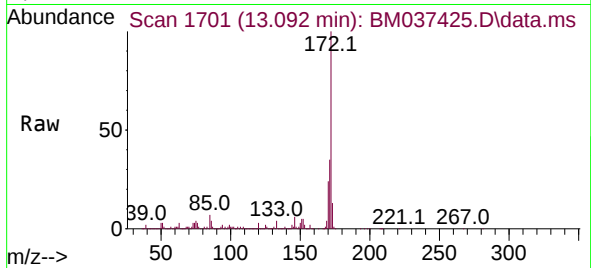
132 26.2 21.9 32.9





#45
2-Fluorobiphenyl
Concen: 58.278 ng
RT: 13.092 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

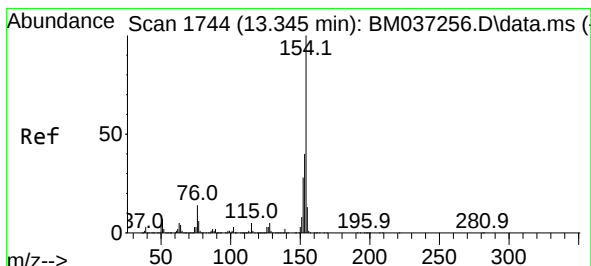
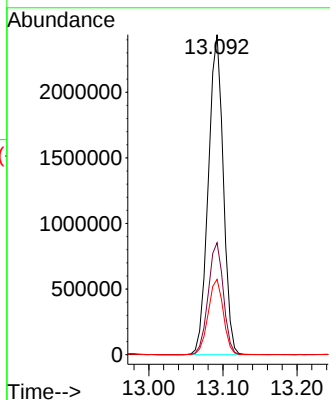
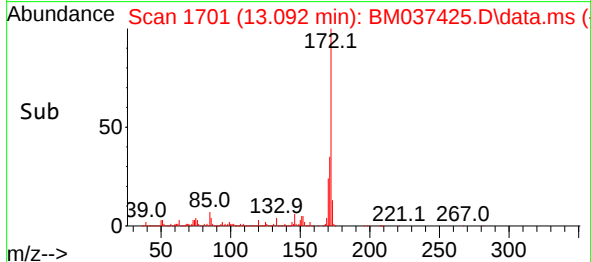
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:172 Resp: 3415010
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.5 19.0 28.4

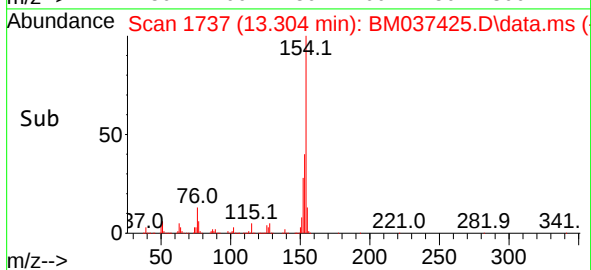
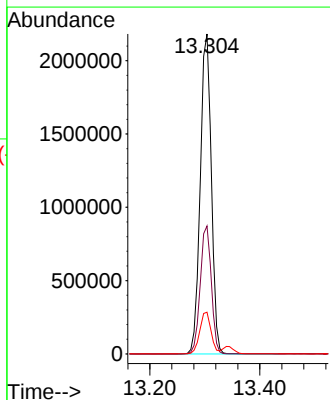
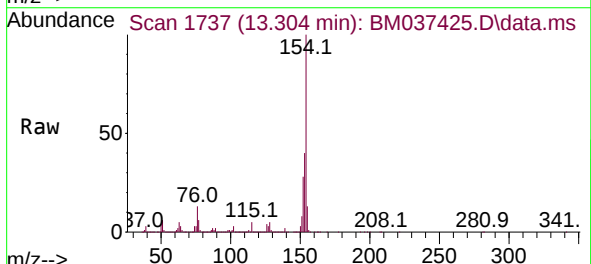
Manual Integrations
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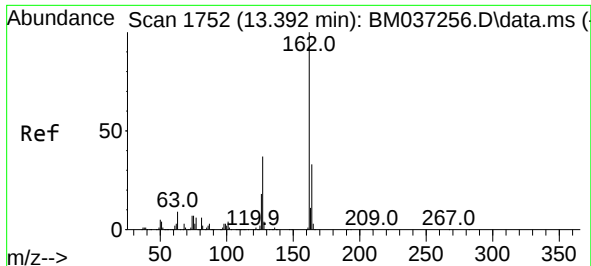
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#46
1,1'-Biphenyl
Concen: 48.356 ng
RT: 13.304 min Scan# 1737
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

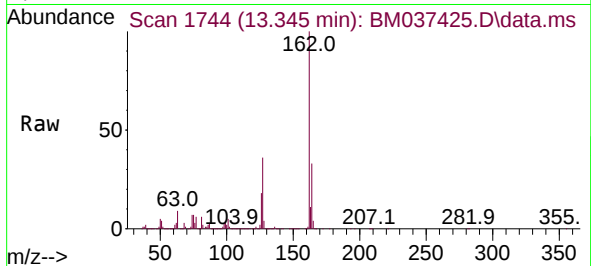
Tgt Ion:154 Resp: 3038315
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 13.0 0.0 33.7





#47
2-Chloronaphthalene
Concen: 46.484 ng
RT: 13.345 min Scan# 1752
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

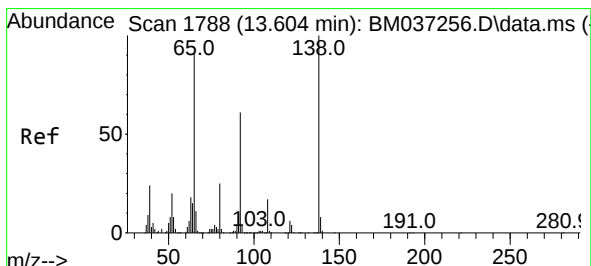
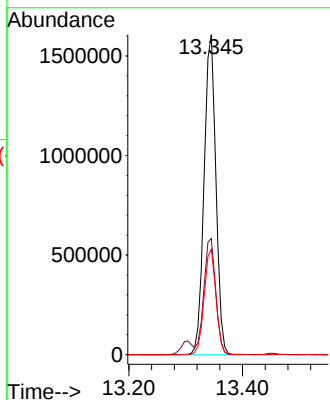
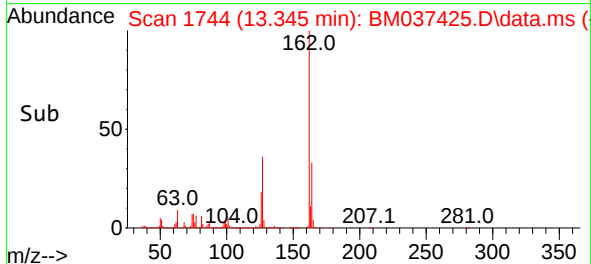
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



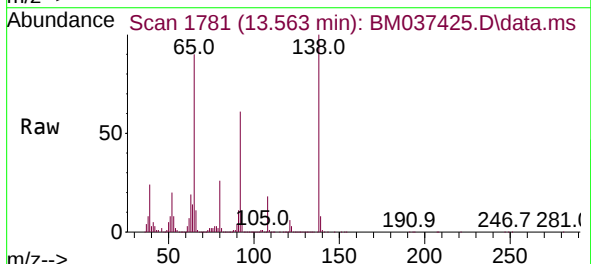
Tgt Ion:162 Resp: 2324236
Ion Ratio Lower Upper
162 100
127 36.3 29.5 44.3
164 32.9 26.3 39.5

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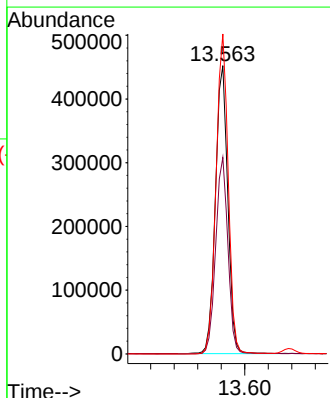
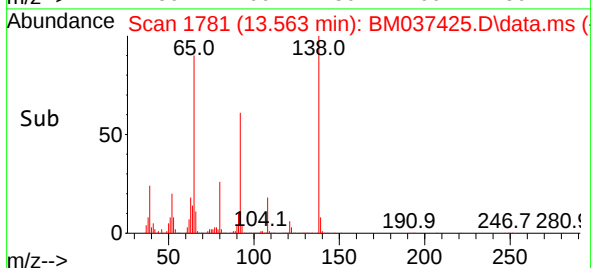
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

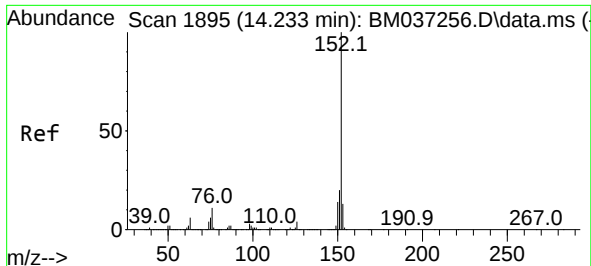


#48
2-Nitroaniline
Concen: 45.736 ng
RT: 13.563 min Scan# 1781
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



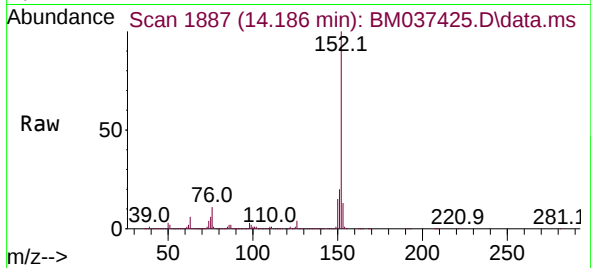
Tgt Ion: 65 Resp: 660852
Ion Ratio Lower Upper
65 100
92 68.2 53.7 80.5
138 111.0 87.4 131.2





#49
Acenaphthylene
Concen: 45.541 ng
RT: 14.186 min Scan# 1887
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

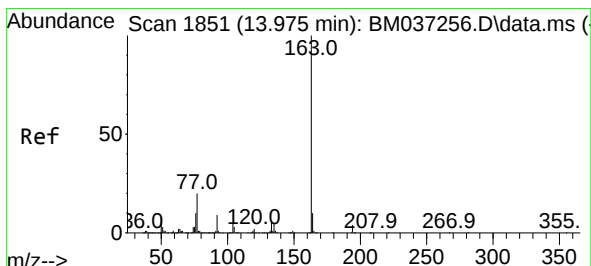
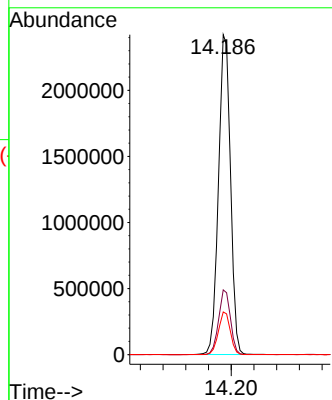
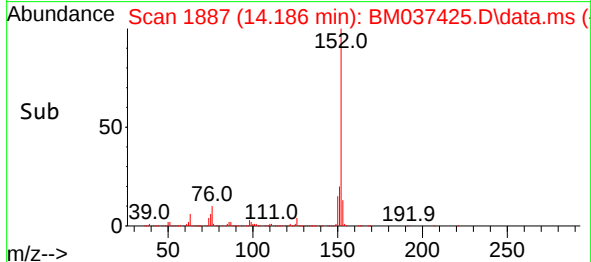
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



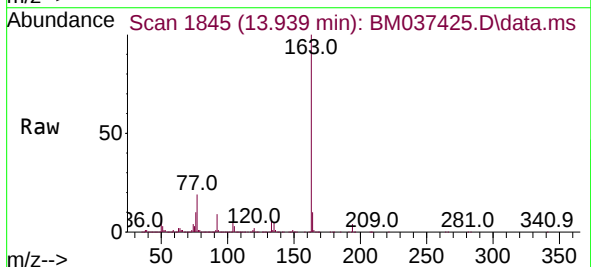
Tgt Ion:152 Resp: 3534734
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.3 10.6 15.8

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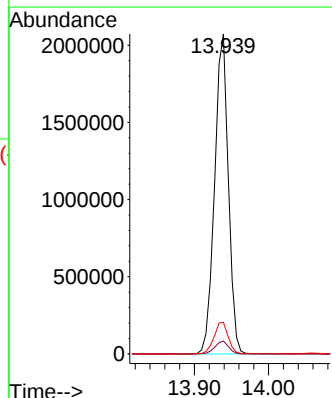
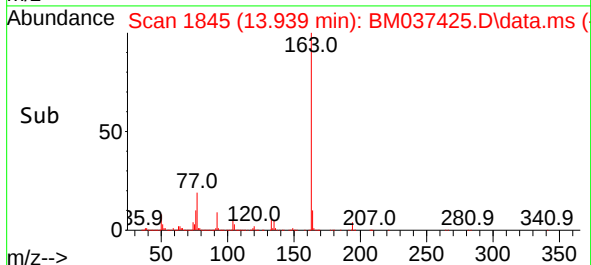
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

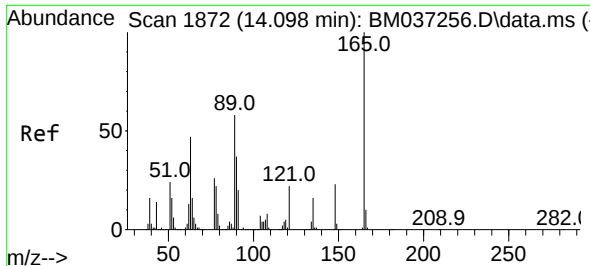


#50
Dimethylphthalate
Concen: 44.924 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



Tgt Ion:163 Resp: 2671662
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.9 8.2 12.2





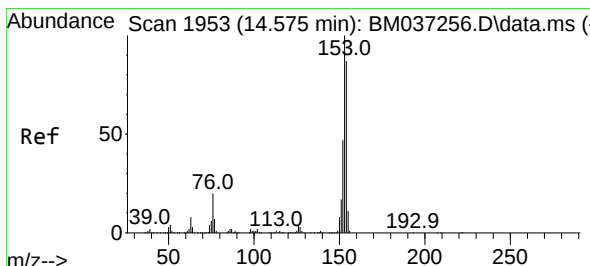
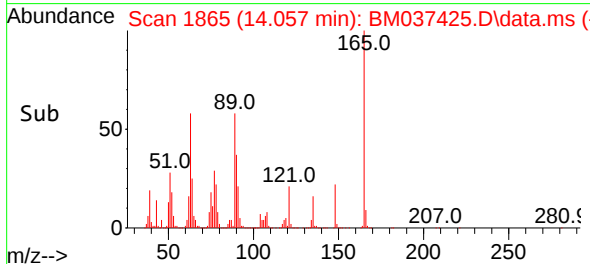
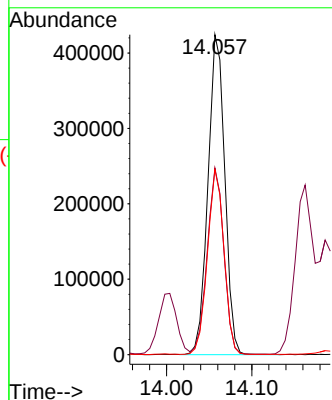
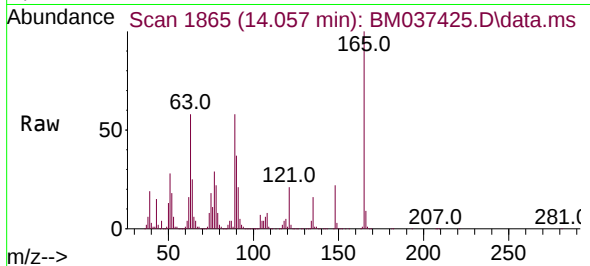
#51
2,6-Dinitrotoluene
Concen: 46.171 ng
RT: 14.057 min Scan# 1872
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:165 Resp: 581480
Ion Ratio Lower Upper
165 100
63 58.3 46.2 69.2
89 57.9 46.6 69.8

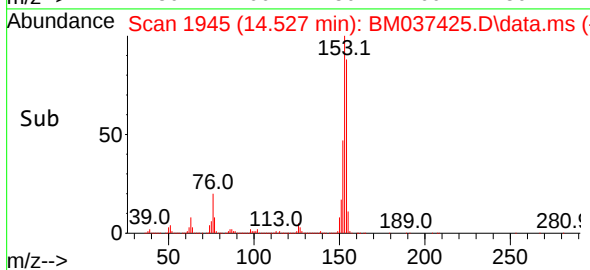
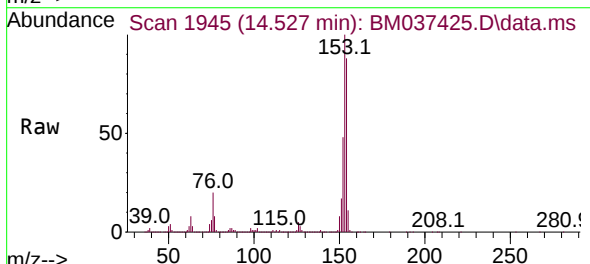
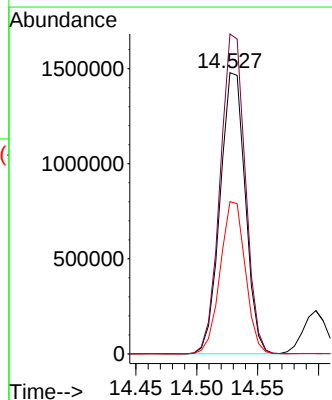
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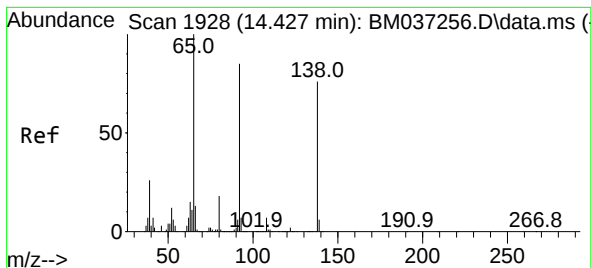
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#52
Acenaphthene
Concen: 44.296 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:154 Resp: 2125538
Ion Ratio Lower Upper
154 100
153 113.8 91.5 137.3
152 54.1 43.0 64.6





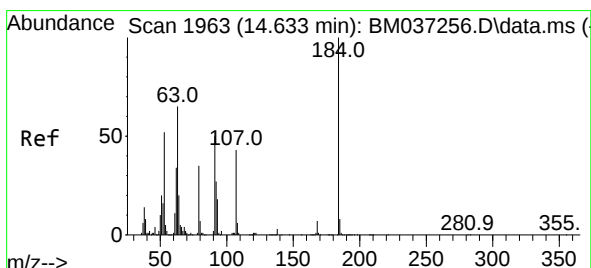
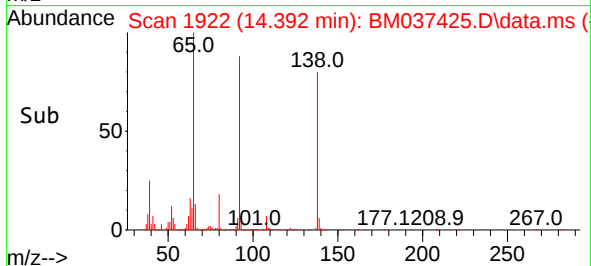
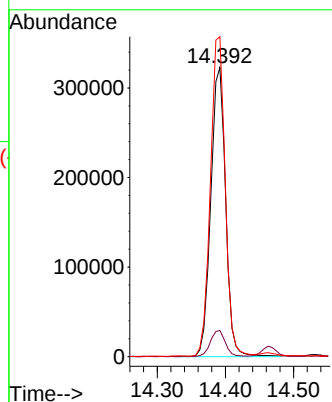
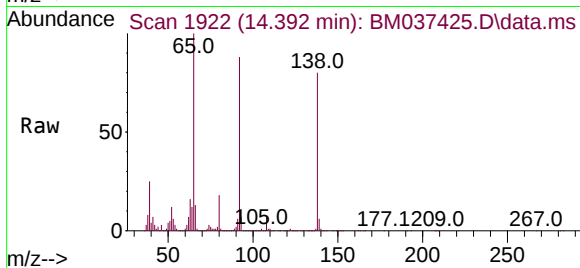
#53
3-Nitroaniline
Concen: 34.555 ng
RT: 14.392 min Scan# 1922
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:138 Resp: 486176
Ion Ratio Lower Upper
138 100
108 9.0 7.3 10.9
92 110.6 89.8 134.8

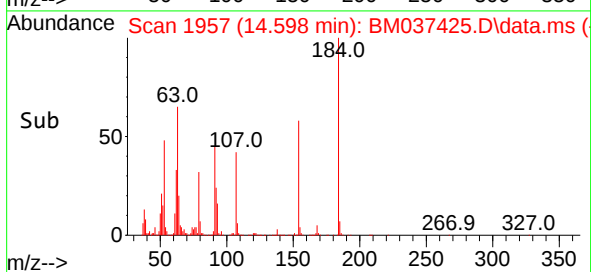
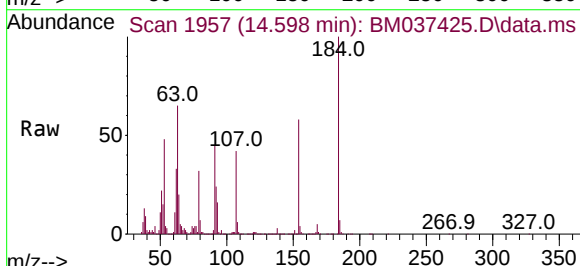
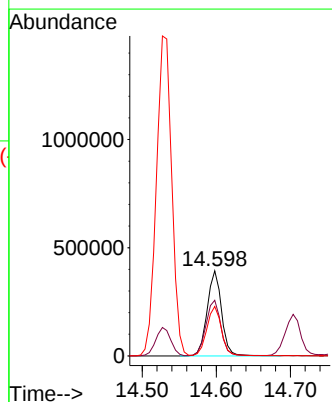
Manual Integrations
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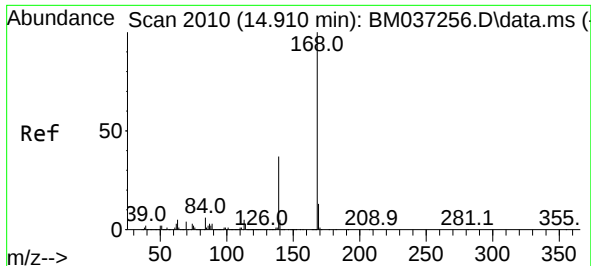
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#54
2,4-Dinitrophenol
Concen: 65.202 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

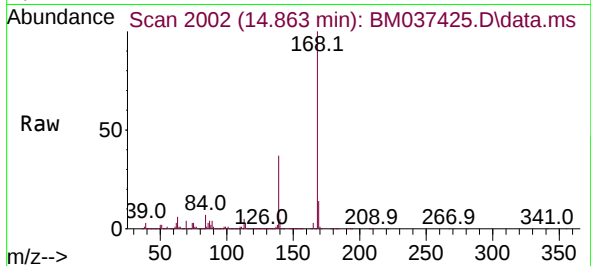
Tgt Ion:184 Resp: 529934
Ion Ratio Lower Upper
184 100
63 65.3 57.7 86.5
154 57.9 48.3 72.5





#55
Dibenzofuran
Concen: 44.091 ng
RT: 14.863 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

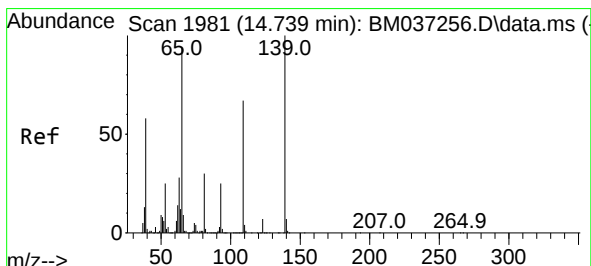
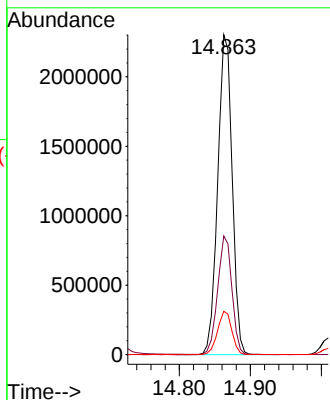
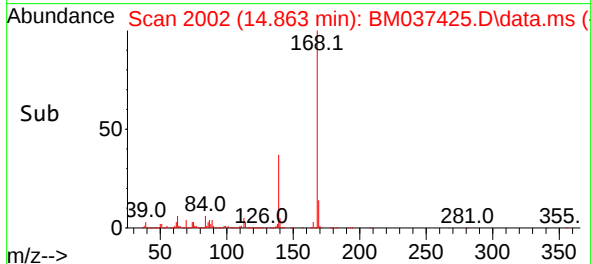
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



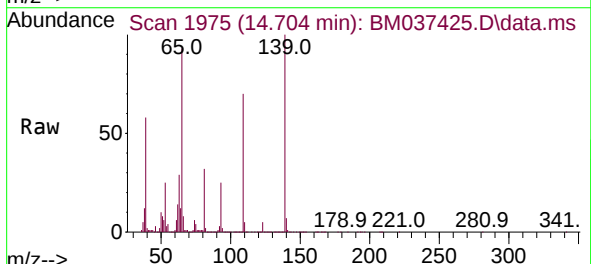
Tgt Ion:168 Resp: 3258706
Ion Ratio Lower Upper
168 100
139 37.1 29.3 43.9
169 13.5 10.6 16.0

Manual Integrations
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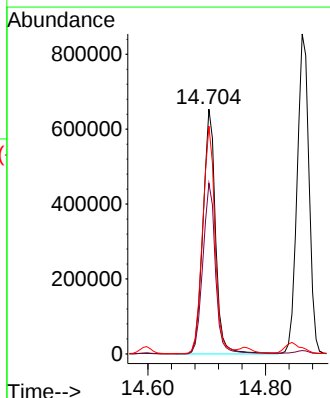
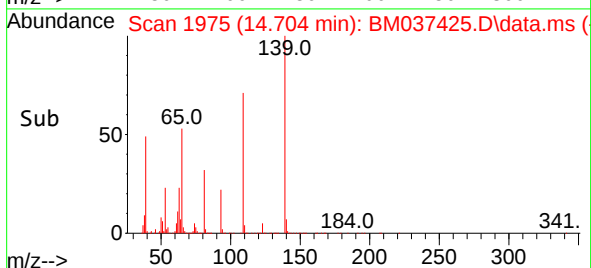
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

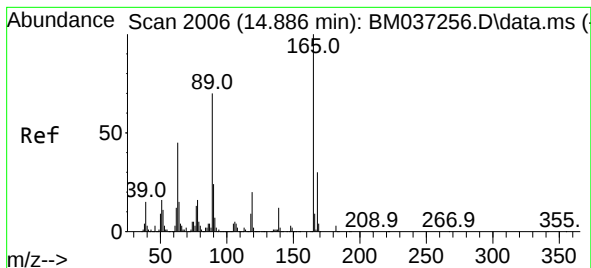


#56
4-Nitrophenol
Concen: 85.986 ng
RT: 14.704 min Scan# 1975
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



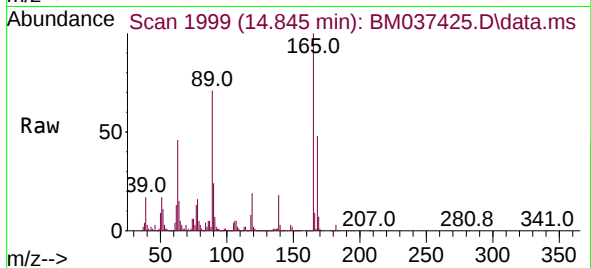
Tgt Ion:139 Resp: 965131
Ion Ratio Lower Upper
139 100
109 69.7 47.4 87.4
65 93.0 73.8 113.8





#57
2,4-Dinitrotoluene
Concen: 46.346 ng
RT: 14.845 min Scan# 1999
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

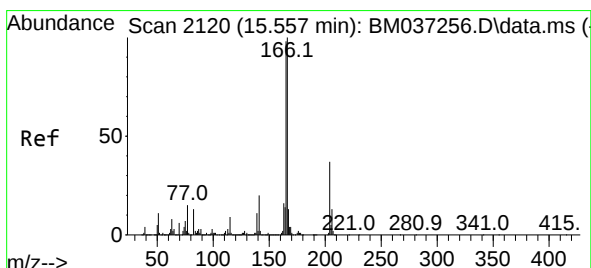
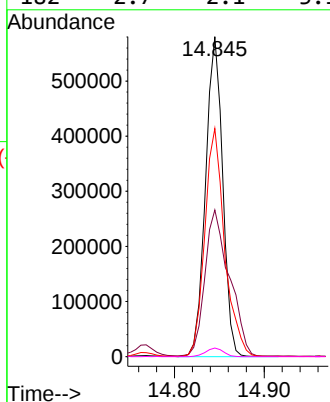
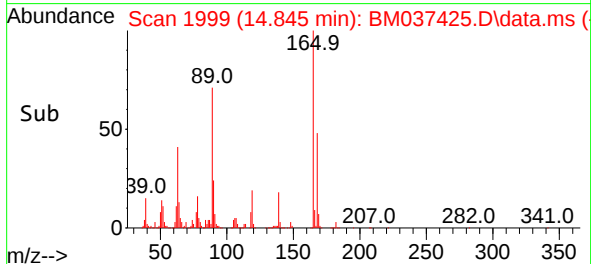
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



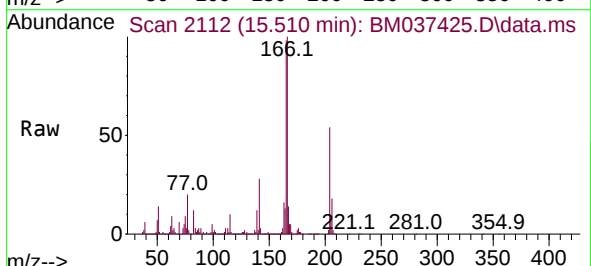
Tgt Ion:165 Resp: 768053
Ion Ratio Lower Upper
165 100
63 45.8 36.3 54.5
89 71.3 56.3 84.5
182 2.7 2.1 3.1

Manual Integrations
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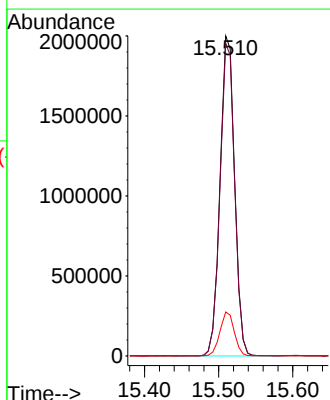
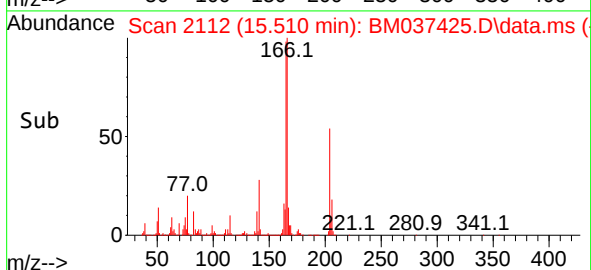
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

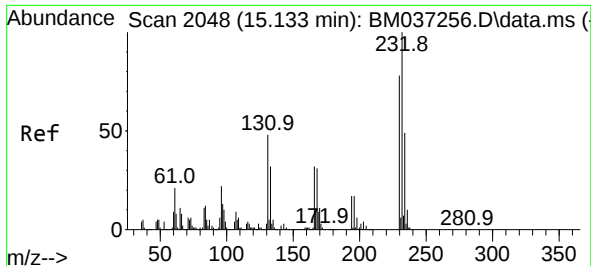


#58
Fluorene
Concen: 44.192 ng
RT: 15.510 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53



Tgt Ion:166 Resp: 2726258
Ion Ratio Lower Upper
166 100
165 97.7 78.2 117.4
167 13.8 10.6 15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 45.127 ng

RT: 15.092 min Scan# 2041

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:232 Resp: 672418

Ion Ratio Lower Upper

232 100

131 45.4 37.8 56.8

130 2.3 1.9 2.9

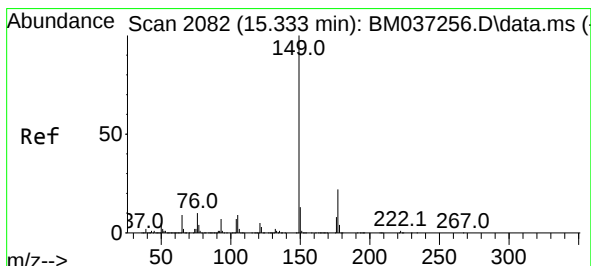
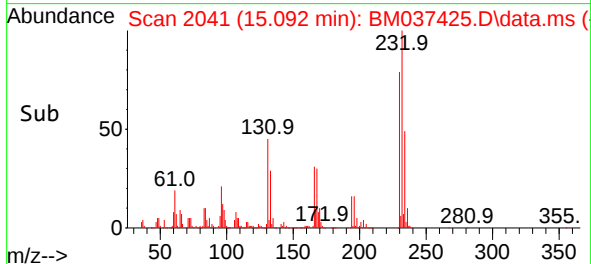
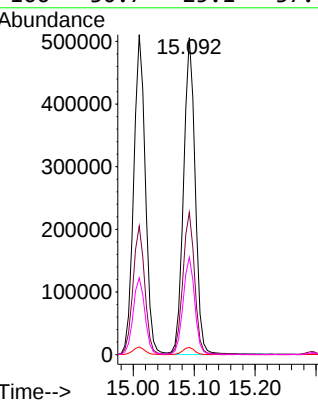
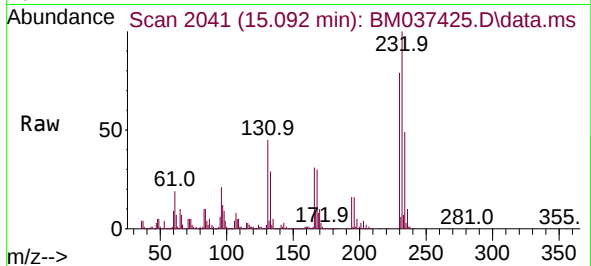
166 30.7 25.1 37.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#60

Diethylphthalate

Concen: 45.538 ng

RT: 15.292 min Scan# 2075

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

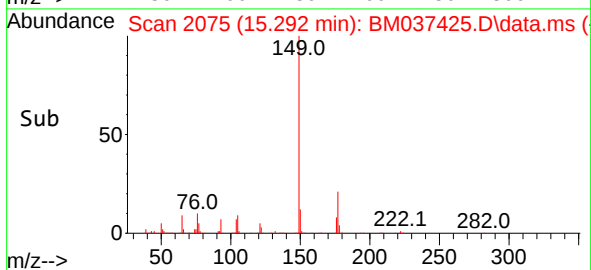
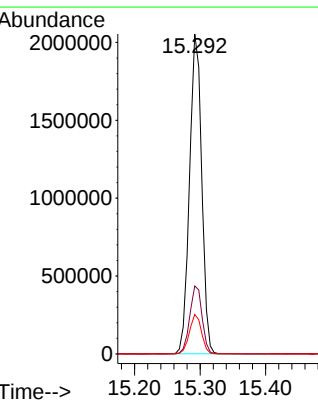
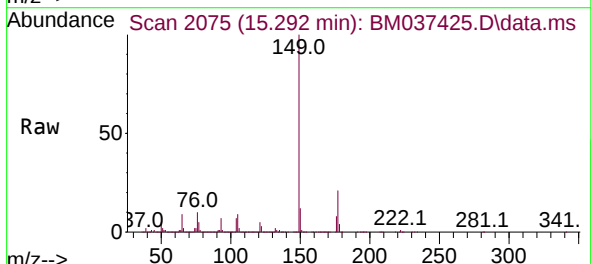
Tgt Ion:149 Resp: 2632155

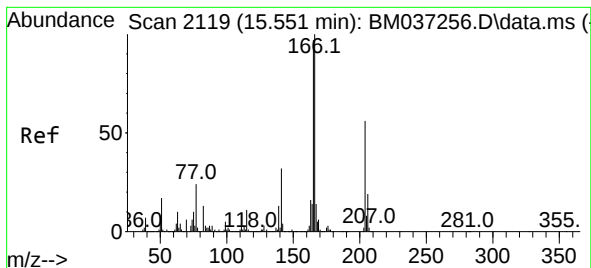
Ion Ratio Lower Upper

149 100

177 21.2 17.4 26.0

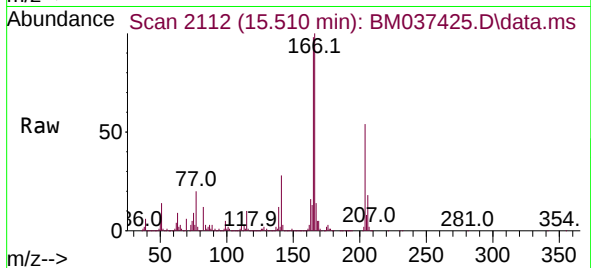
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 47.319 ng
RT: 15.510 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

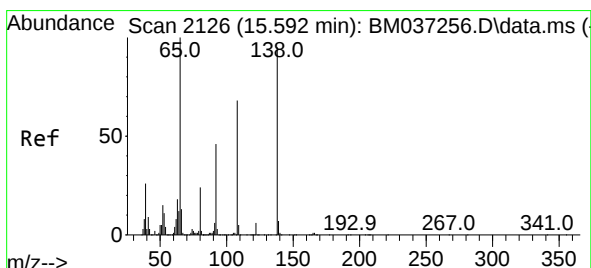
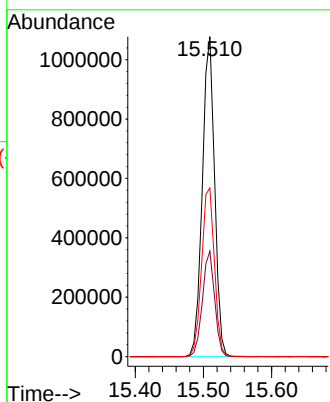
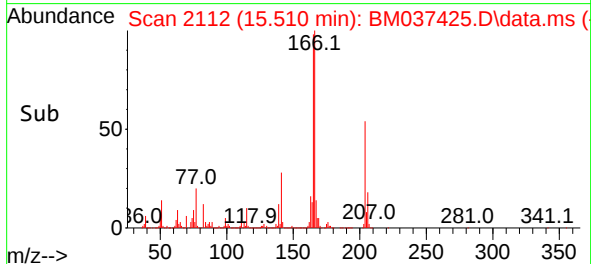
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:204 Resp: 1350520
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 52.7 45.2 67.8

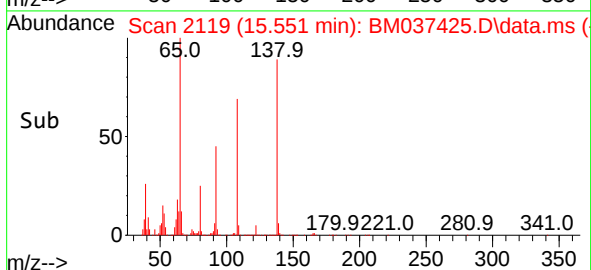
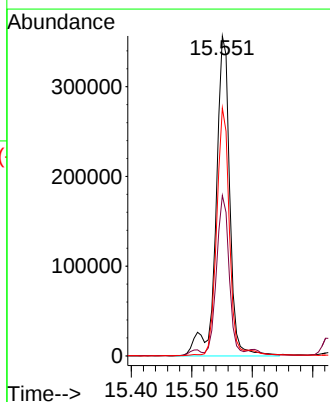
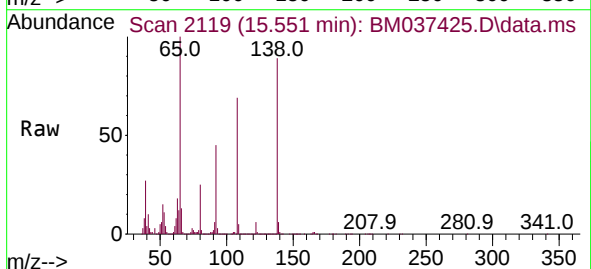
Manual Integrations
APPROVED

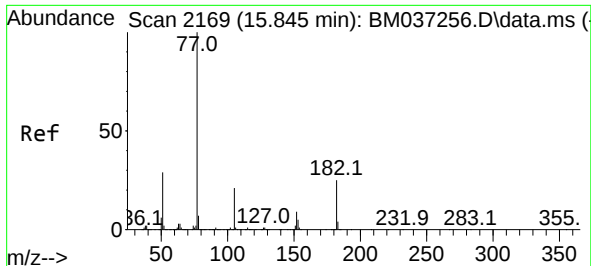
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#62
4-Nitroaniline
Concen: 39.907 ng m
RT: 15.551 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

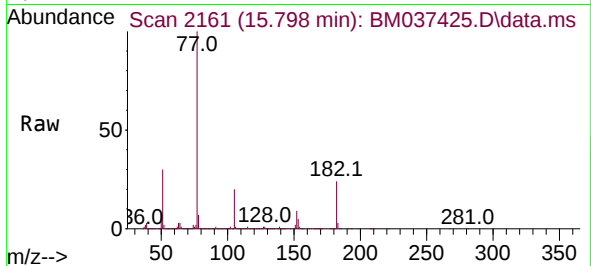
Tgt Ion:138 Resp: 563119
Ion Ratio Lower Upper
138 100
92 50.1 28.1 68.1
108 77.5 51.3 91.3





#63
Azobenzene
Concen: 44.059 ng
RT: 15.798 min Scan# 2161
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

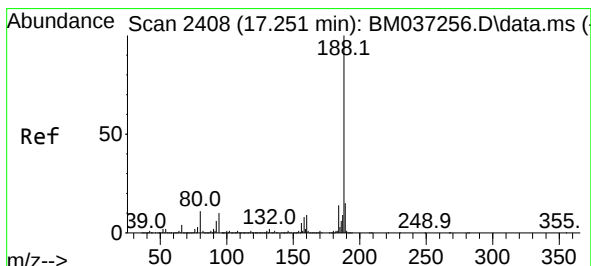
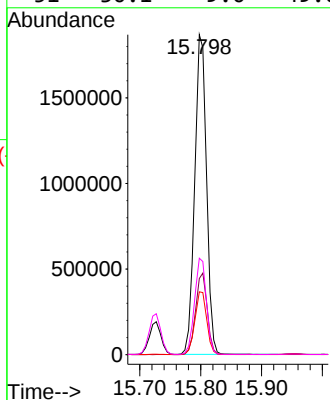
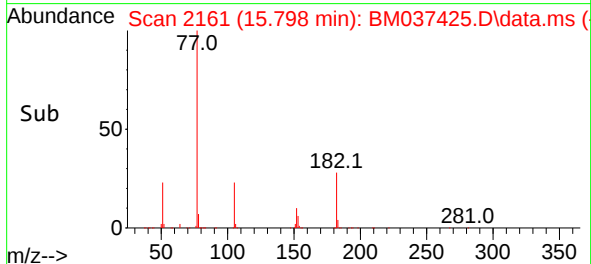
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion: 77 Resp: 2508808
Ion Ratio Lower Upper
77 100
182 23.8 5.1 45.1
105 19.6 0.5 40.5
51 30.1 9.0 49.0

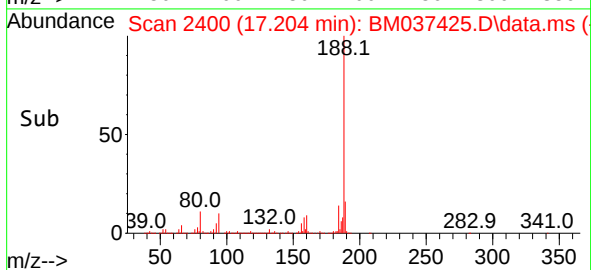
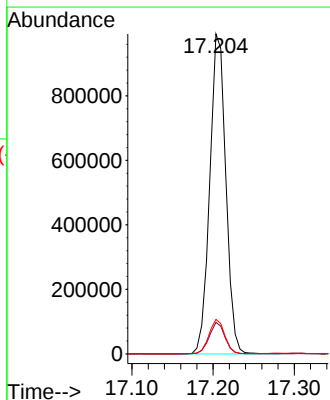
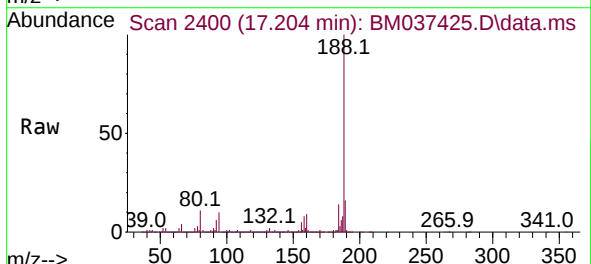
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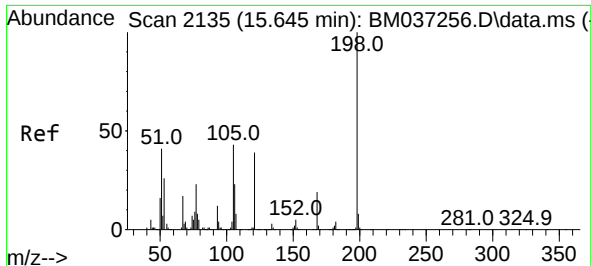
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:188 Resp: 1368418
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.8 8.5 12.7





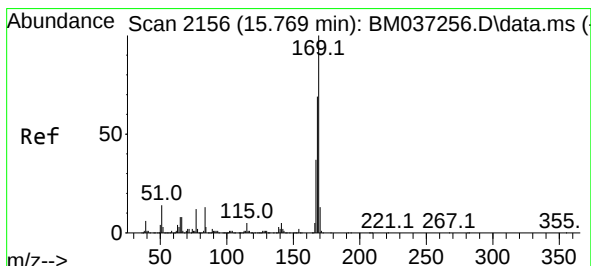
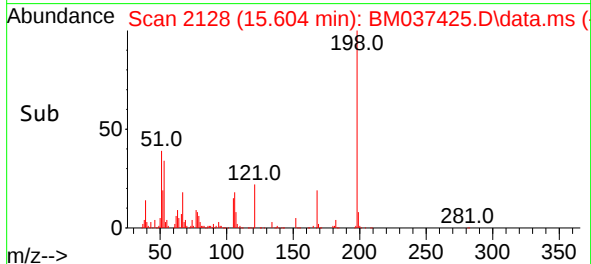
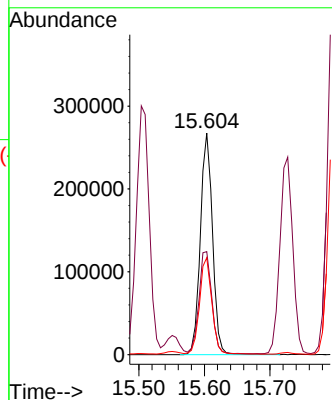
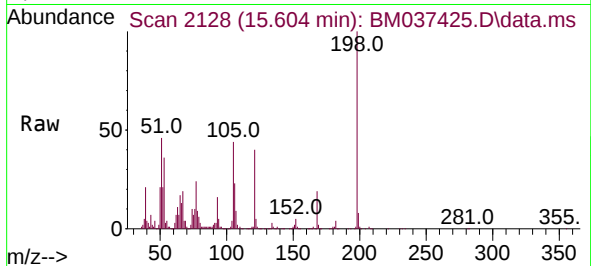
#65
4,6-Dinitro-2-methylphenol
Concen: 37.097 ng
RT: 15.604 min Scan# 211
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:198 Resp: 342001
Ion Ratio Lower Upper
198 100
51 46.5 26.8 66.8
105 43.7 24.1 64.1

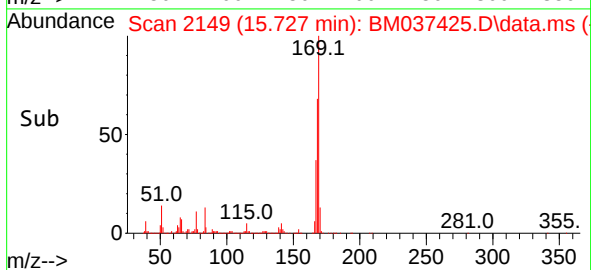
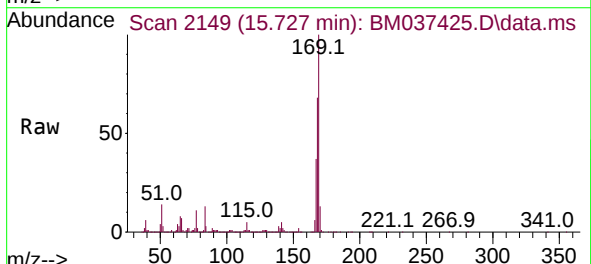
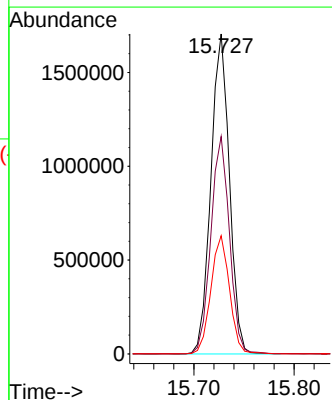
Manual Integrations
APPROVED

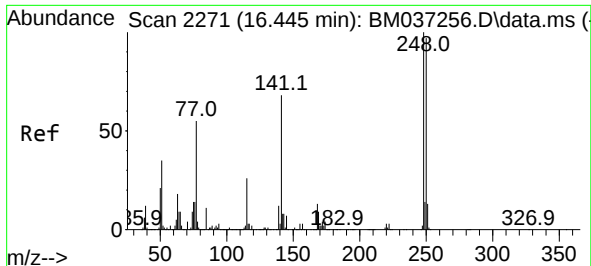
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#66
n-Nitrosodiphenylamine
Concen: 47.239 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

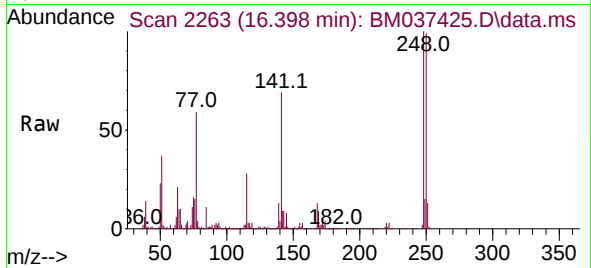
Tgt Ion:169 Resp: 2184992
Ion Ratio Lower Upper
169 100
168 67.9 54.8 82.2
167 36.9 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 50.417 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

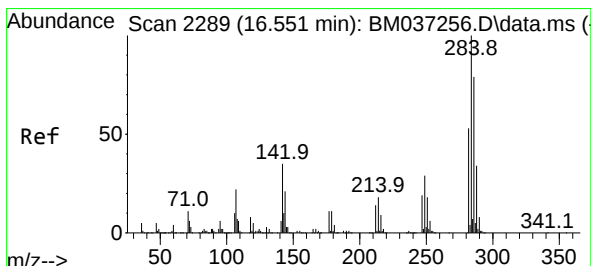
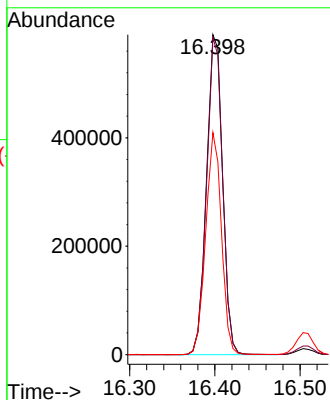
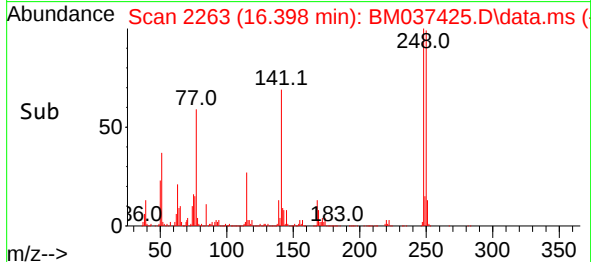
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:248 Resp: 77421
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.6
141 69.4 54.2 81.2

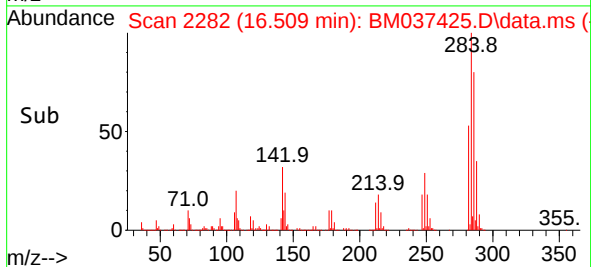
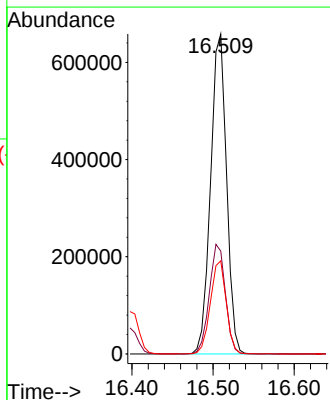
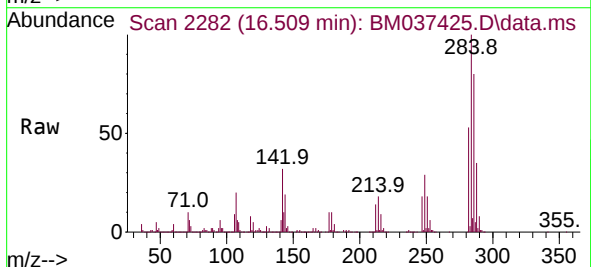
Manual Integrations
APPROVED

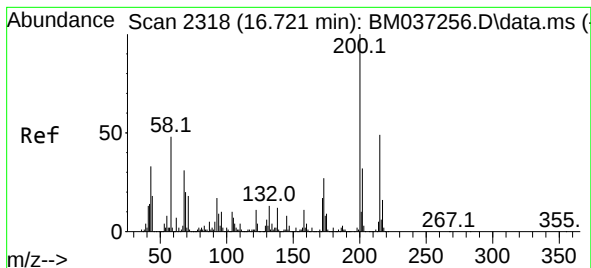
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#68
Hexachlorobenzene
Concen: 48.378 ng
RT: 16.509 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:284 Resp: 899069
Ion Ratio Lower Upper
284 100
142 32.1 28.2 42.4
249 29.1 23.1 34.7





#69

Atrazine

Concen: 59.425 ng

RT: 16.680 min Scan# 2311

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

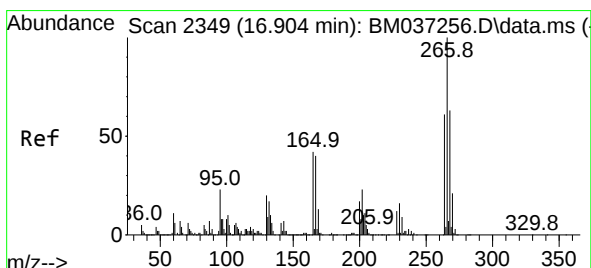
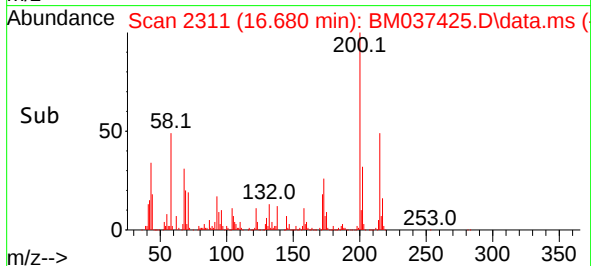
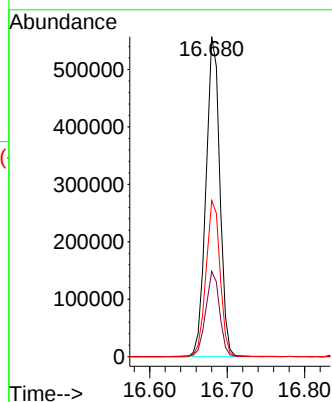
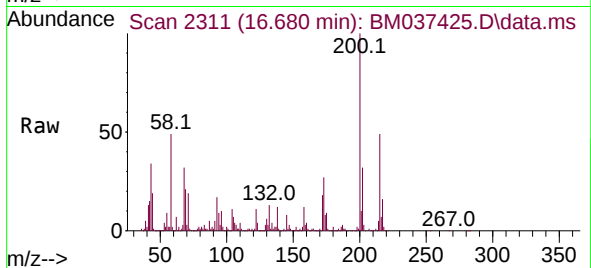
LFR-SOIL-1103MSD

Tgt Ion:200 Resp: 691594
 Ion Ratio Lower Upper
 200 100
 173 26.6 6.8 46.8
 215 48.8 28.5 68.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022



#70

Pentachlorophenol

Concen: 95.401 ng

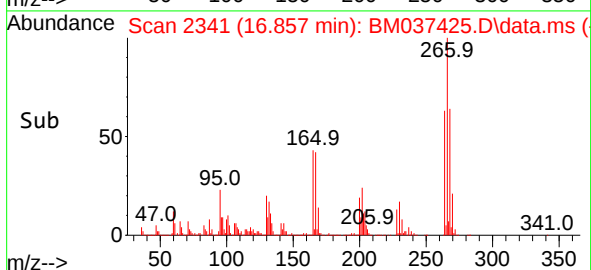
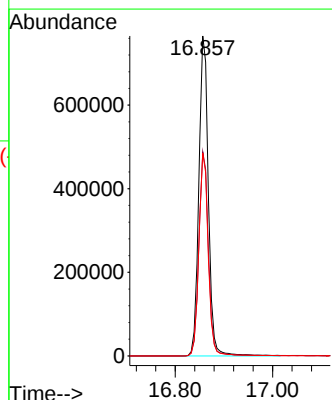
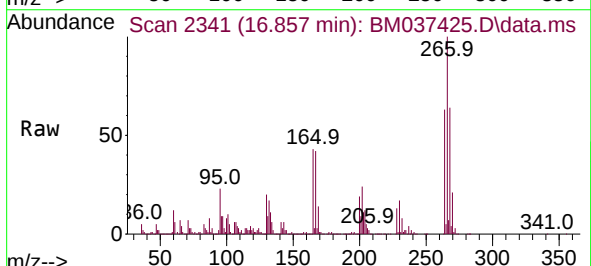
RT: 16.857 min Scan# 2341

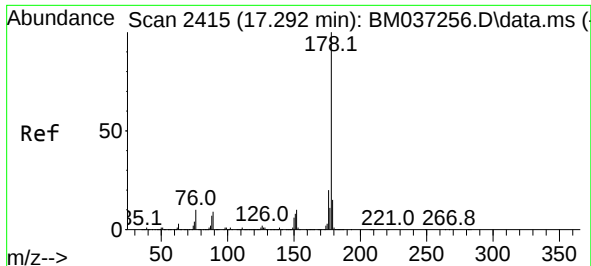
Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion:266 Resp: 1031640
 Ion Ratio Lower Upper
 266 100
 268 63.8 50.7 76.1
 264 63.4 49.1 73.7





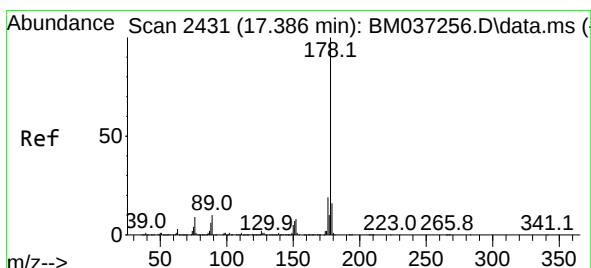
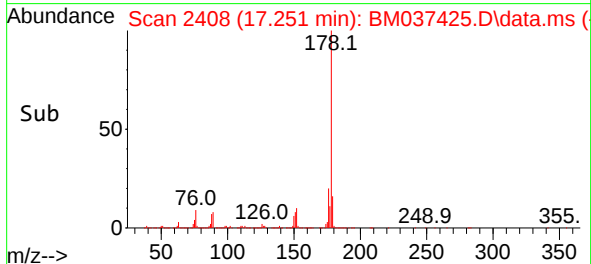
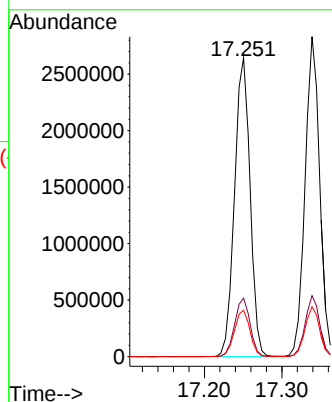
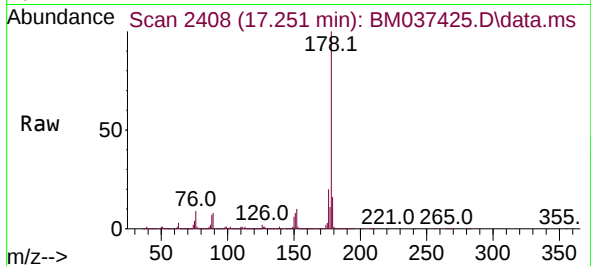
#71
Phenanthrene
Concen: 43.445 ng
RT: 17.251 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:178 Resp: 368839
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.6 12.4 18.6

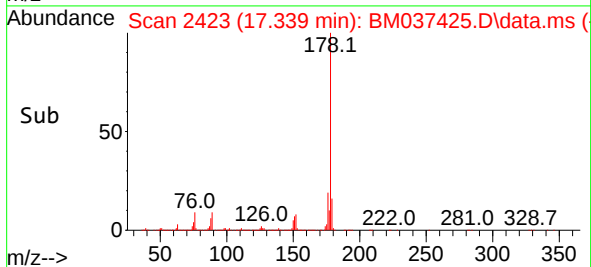
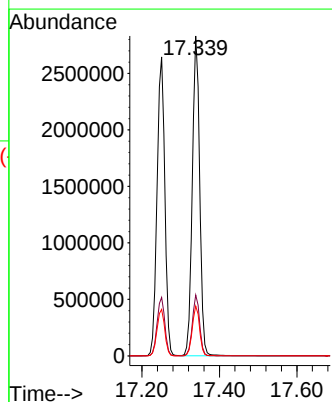
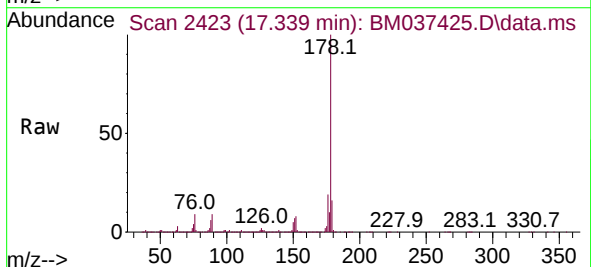
Manual Integrations
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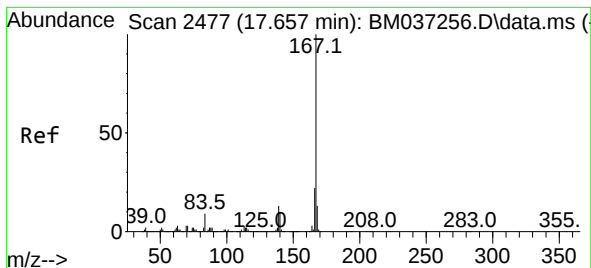
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#72
Anthracene
Concen: 46.472 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:178 Resp: 3735107
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.6 19.0





#73

Carbazole

Concen: 44.238 ng

RT: 17.615 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:167 Resp: 3261435

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.2

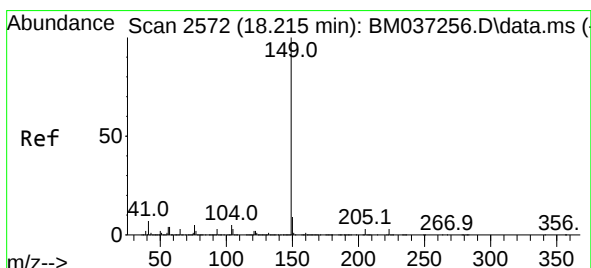
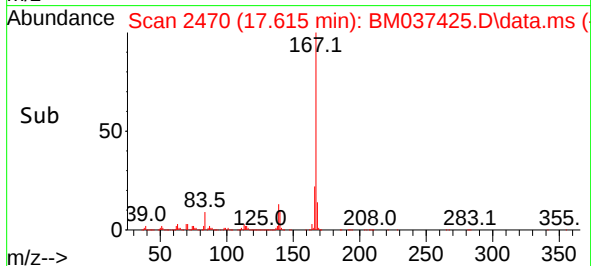
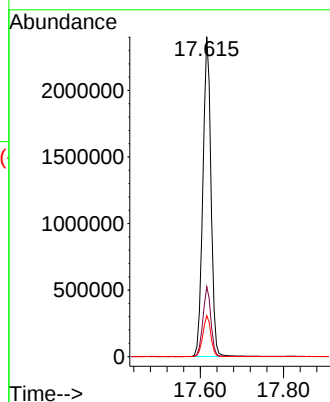
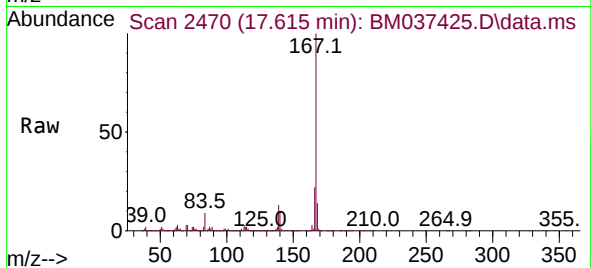
139 12.8 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#74

Di-n-butylphthalate

Concen: 53.096 ng

RT: 18.174 min Scan# 2565

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

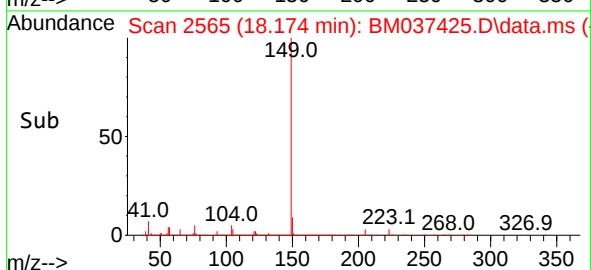
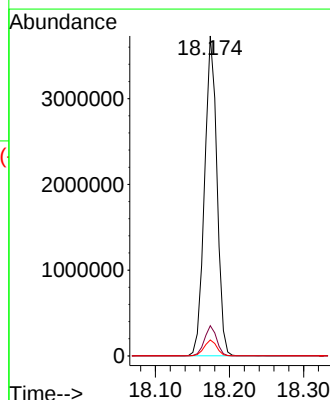
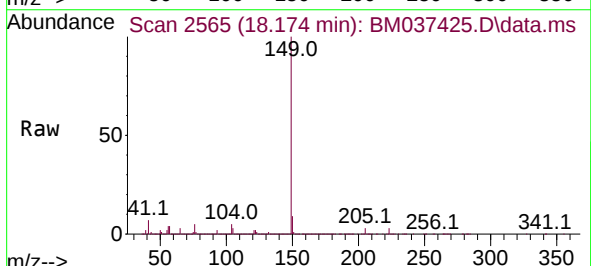
Tgt Ion:149 Resp: 4322413

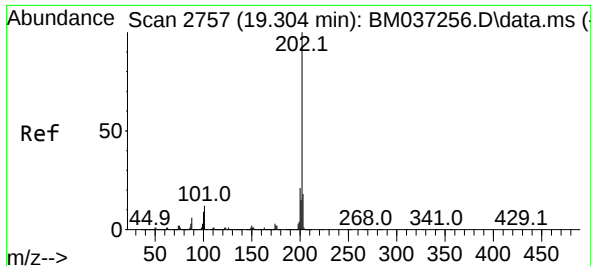
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

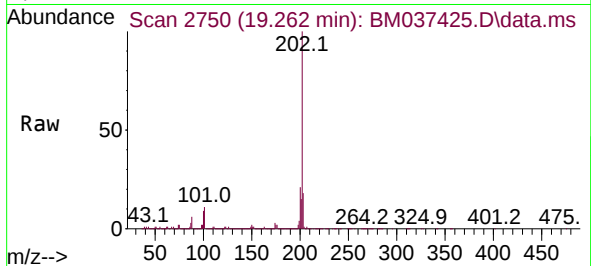
104 5.0 4.0 6.0





#75
Fluoranthene
Concen: 42.008 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

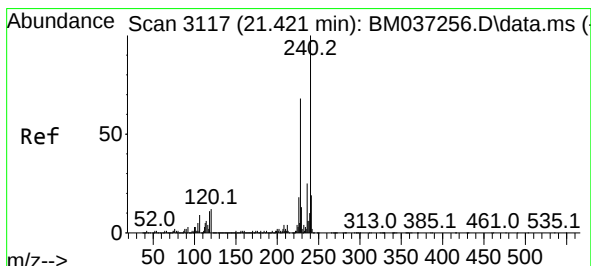
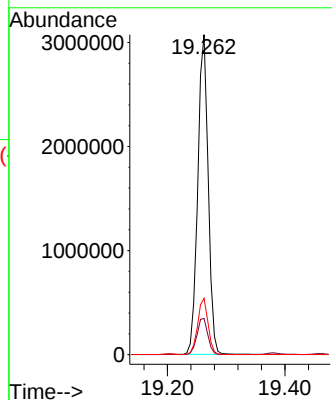
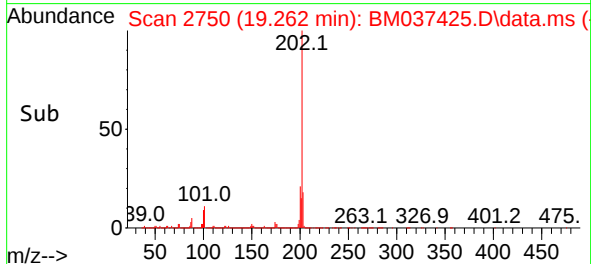
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:202 Resp: 3769948
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.4
203 17.6 0.0 37.8

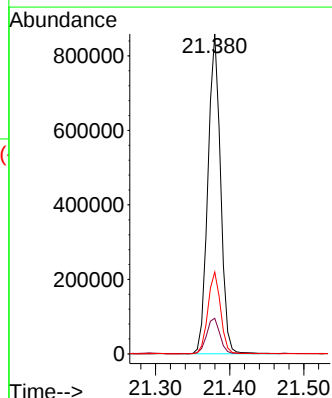
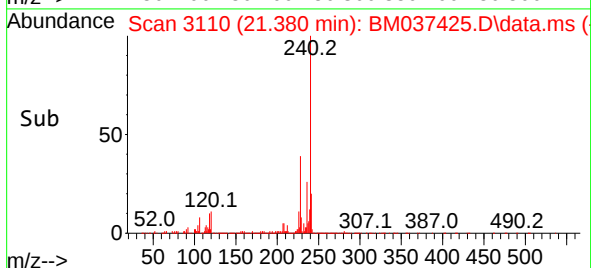
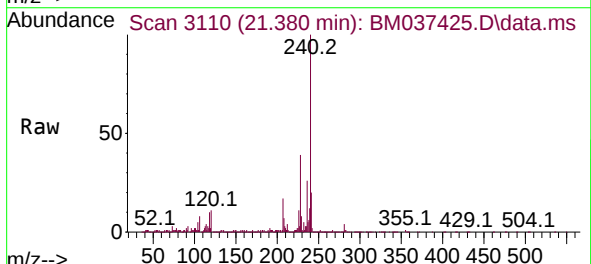
Manual Integrations
APPROVED

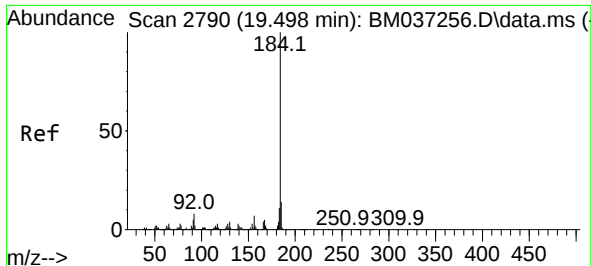
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

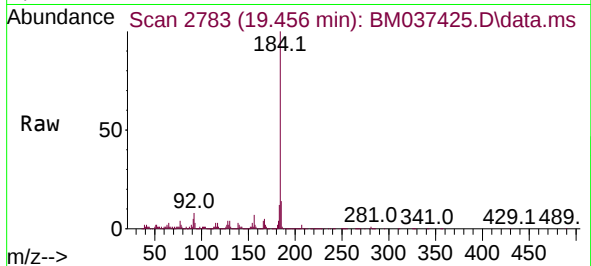
Tgt Ion:240 Resp: 1018752
Ion Ratio Lower Upper
240 100
120 11.1 9.9 14.9
236 25.6 20.3 30.5





#77
Benzidine
Concen: 119.597 ng
RT: 19.456 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

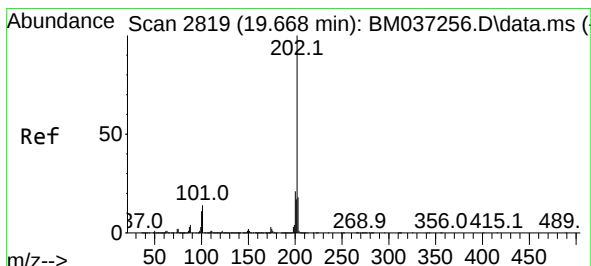
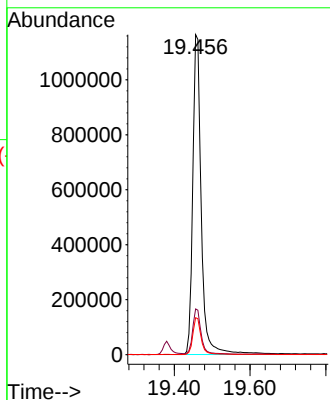
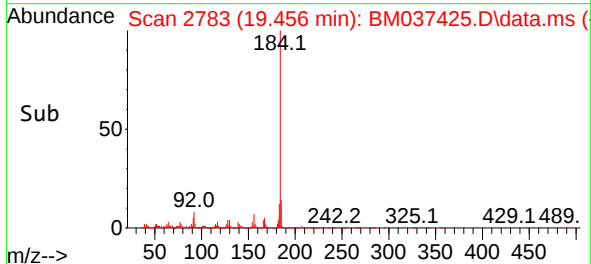
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:184 Resp: 1816799
Ion Ratio Lower Upper
184 100
185 14.3 11.3 16.9
183 11.5 9.0 13.4

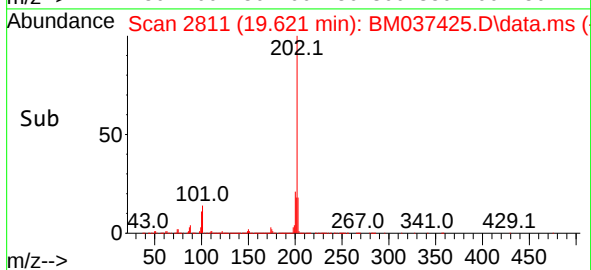
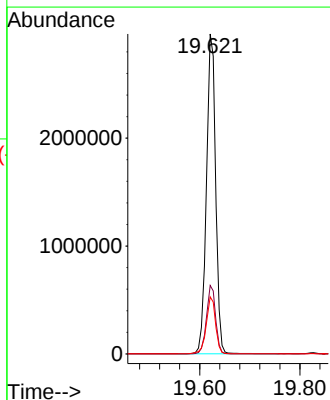
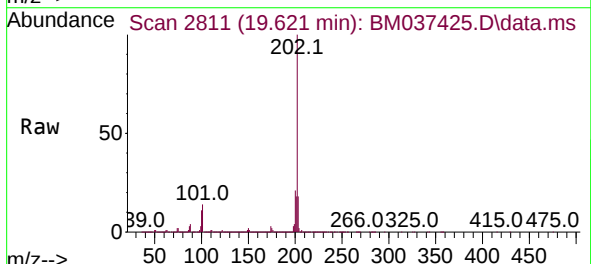
Manual Integrations
APPROVED

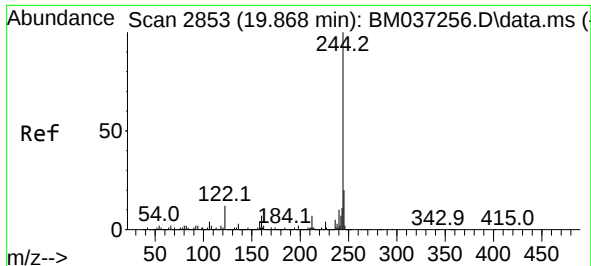
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#78
Pyrene
Concen: 48.162 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

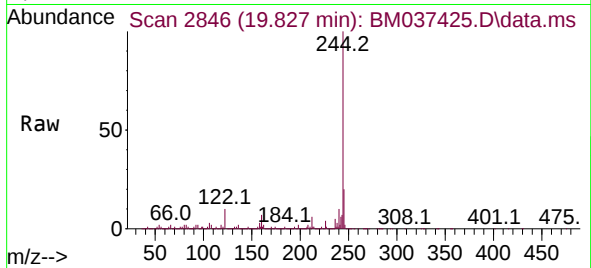
Tgt Ion:202 Resp: 3772945
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 17.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 60.717 ng
 RT: 19.827 min Scan# 2853
 Delta R.T. -0.000 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

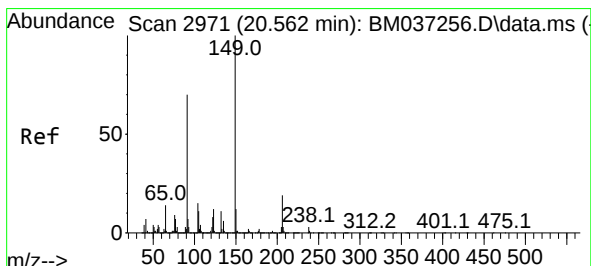
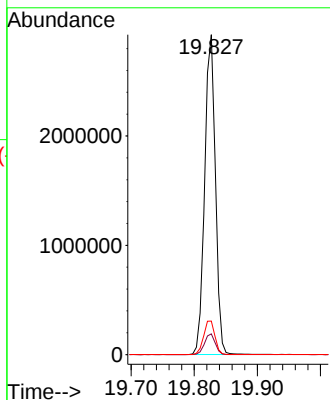
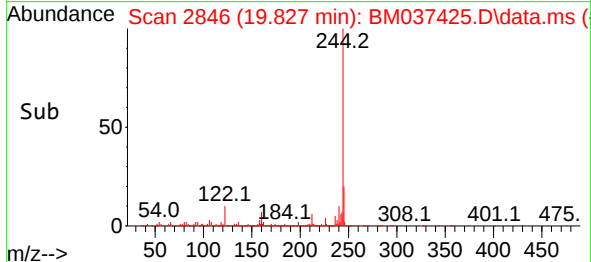
Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD



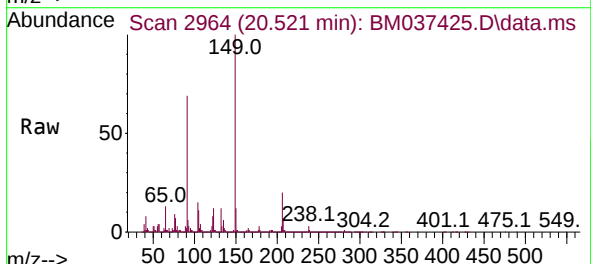
Tgt Ion:244 Resp: 3449312
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.5 9.4 14.2

Manual Integrations
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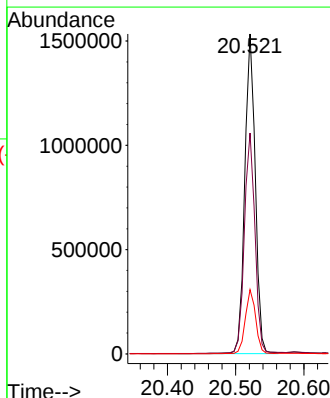
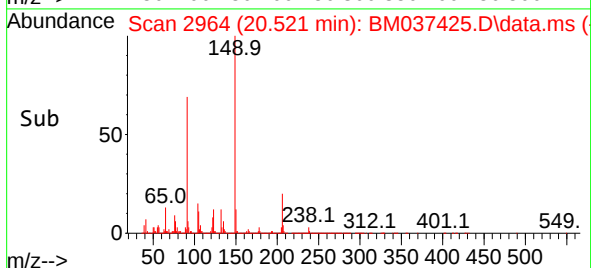
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

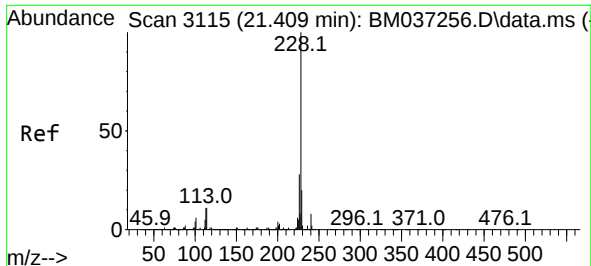


#80
 Butylbenzylphthalate
 Concen: 58.470 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.000 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53



Tgt Ion:149 Resp: 1635798
 Ion Ratio Lower Upper
 149 100
 91 69.0 56.2 84.4
 206 20.1 15.4 23.0





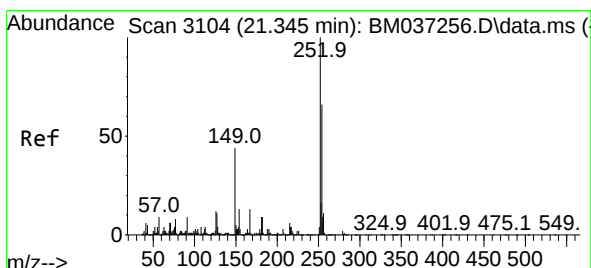
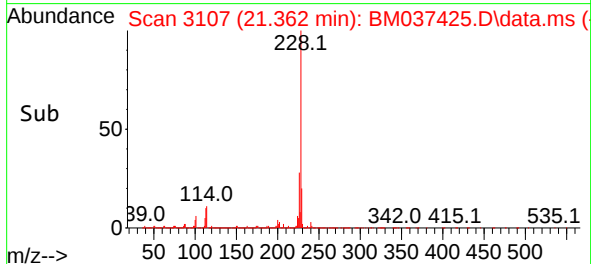
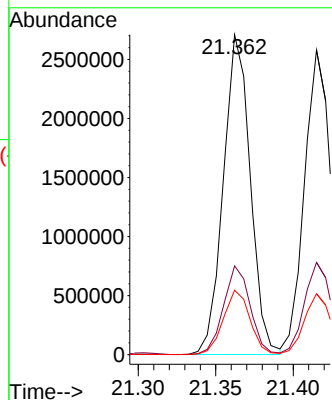
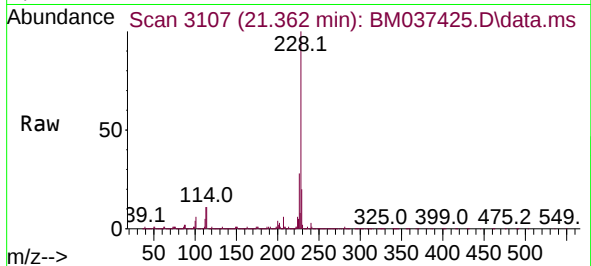
#81
Benzo(a)anthracene
Concen: 45.238 ng
RT: 21.362 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:228 Resp: 3281018
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 20.1 16.2 24.2

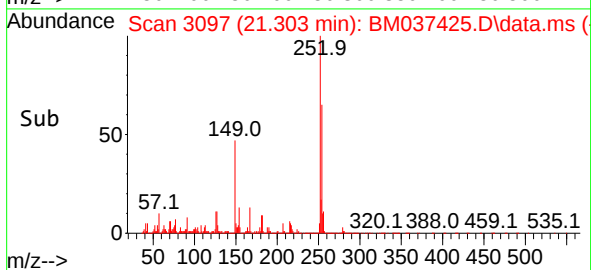
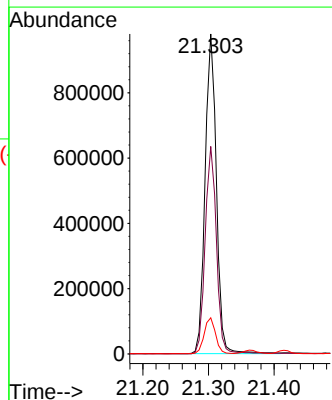
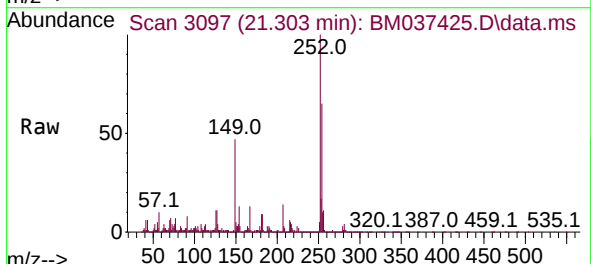
Manual Integrations
APPROVED

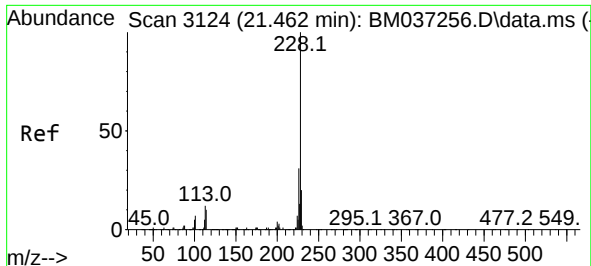
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#82
3,3'-Dichlorobenzidine
Concen: 54.655 ng
RT: 21.303 min Scan# 3097
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:252 Resp: 1164267
Ion Ratio Lower Upper
252 100
254 64.8 52.7 79.1
126 11.3 9.8 14.6





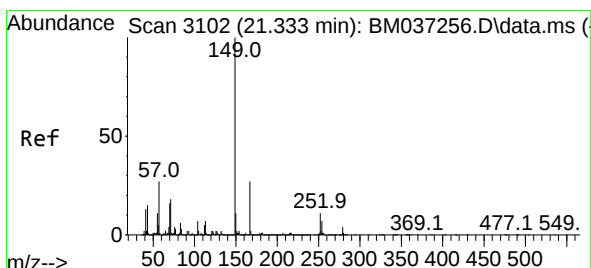
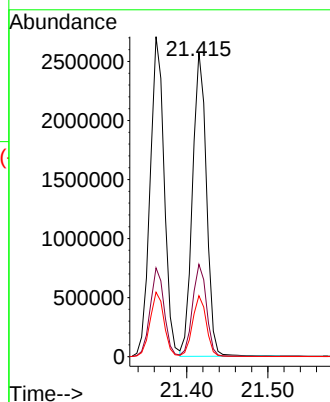
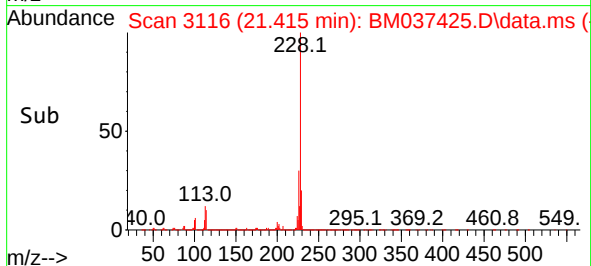
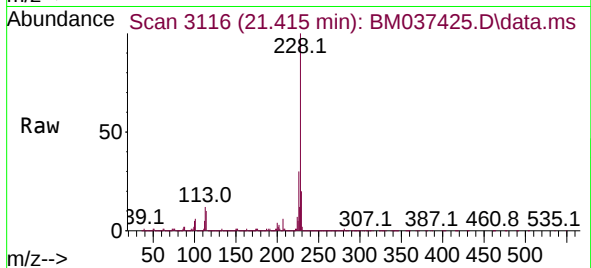
#83
Chrysene
Concen: 43.709 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:228 Resp: 305427
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 20.0 16.0 24.0

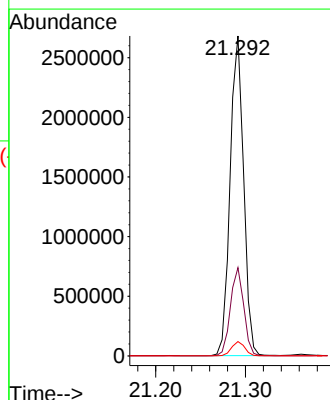
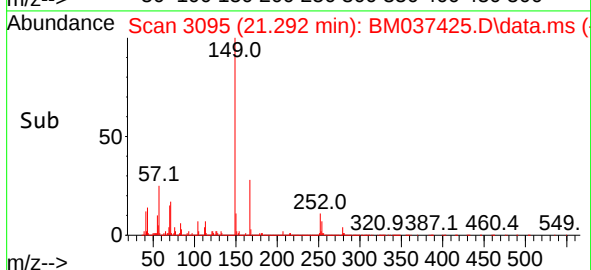
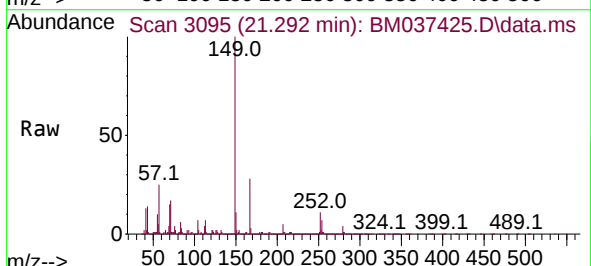
Manual Integrations
APPROVED

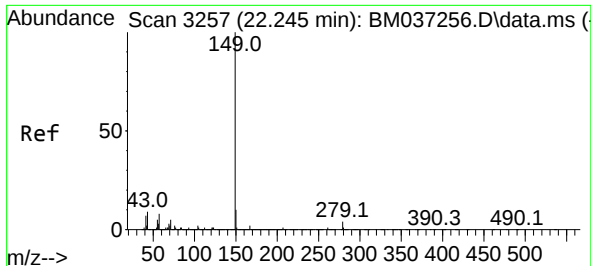
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 75.164 ng
RT: 21.292 min Scan# 3095
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

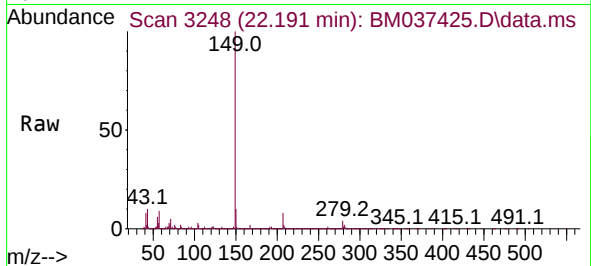
Tgt Ion:149 Resp: 2822332
Ion Ratio Lower Upper
149 100
167 27.6 21.2 31.8
279 4.5 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 58.993 ng
RT: 22.191 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

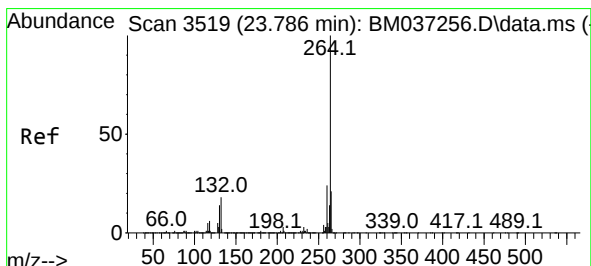
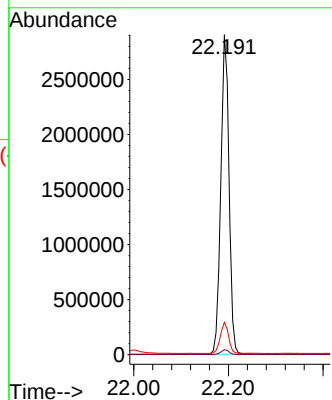
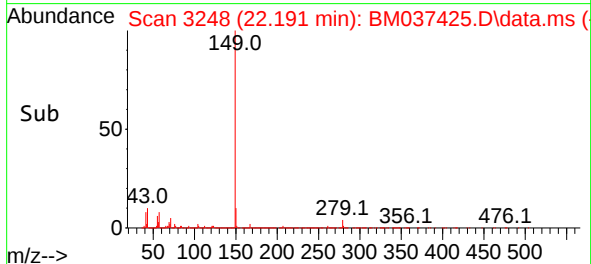
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD



Tgt Ion:149 Resp: 348864
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.8 8.0 12.0

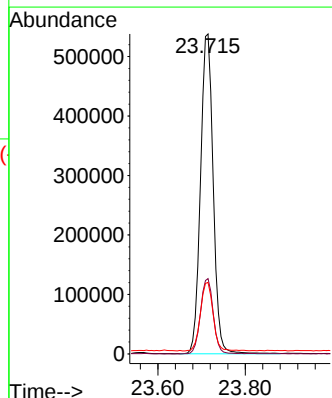
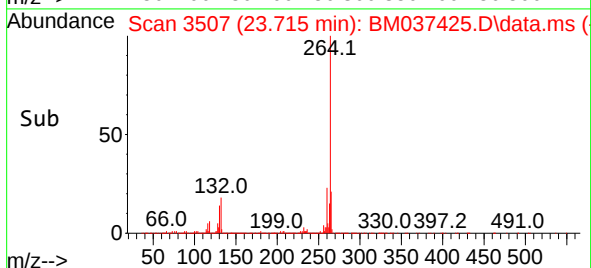
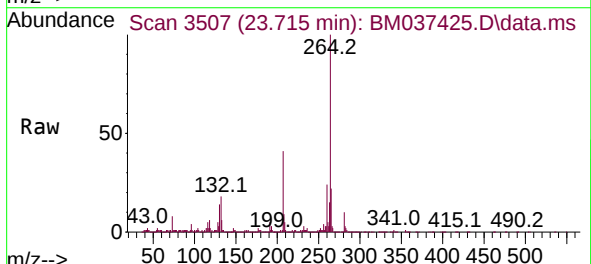
Manual Integrations
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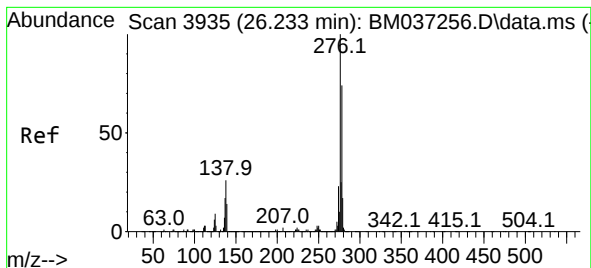
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3507
Delta R.T. 0.006 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:264 Resp: 1075620
Ion Ratio Lower Upper
264 100
260 23.5 18.9 28.3
265 22.3 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.206 ng

RT: 26.132 min Scan# 3935

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:276 Resp: 4333566

Ion Ratio Lower Upper

276 100

138 25.4 21.5 32.3

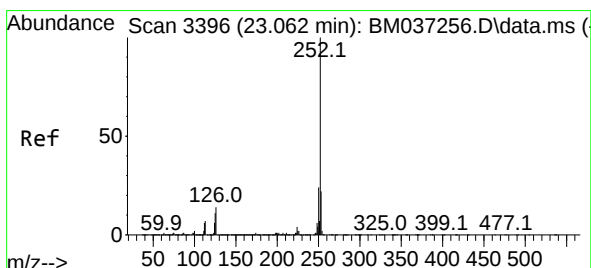
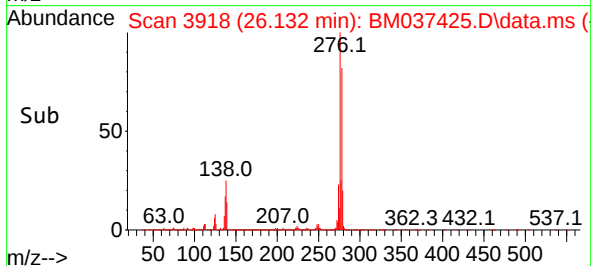
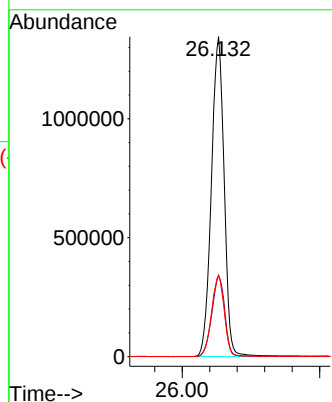
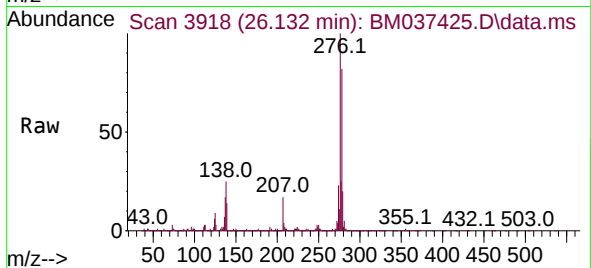
277 25.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#88

Benzo(b)fluoranthene

Concen: 46.703 ng

RT: 23.003 min Scan# 3386

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

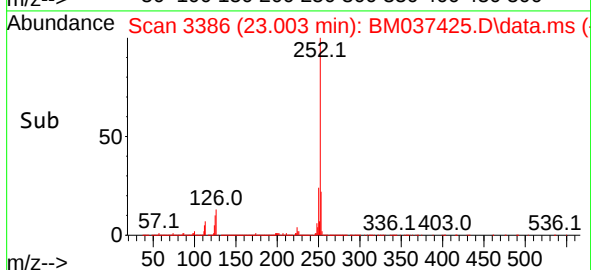
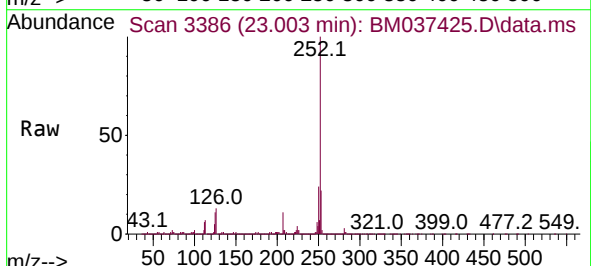
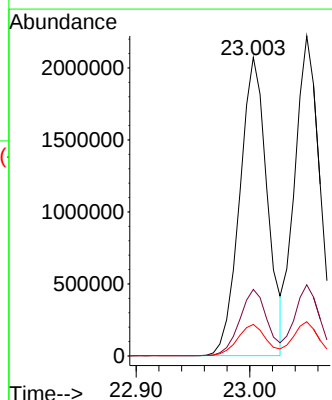
Tgt Ion:252 Resp: 3487526

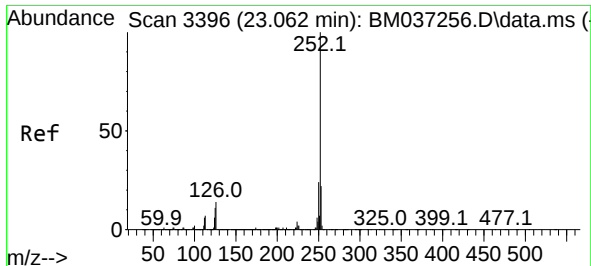
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.5 9.1 13.7





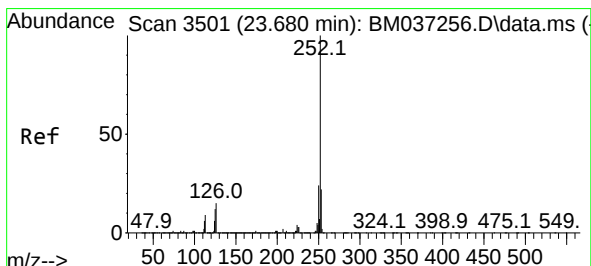
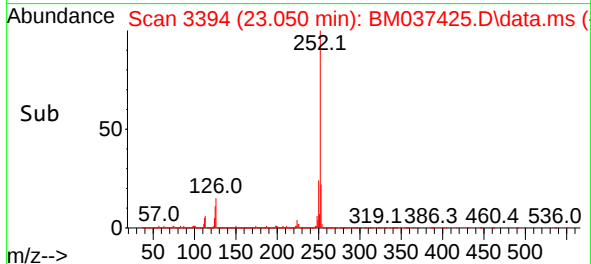
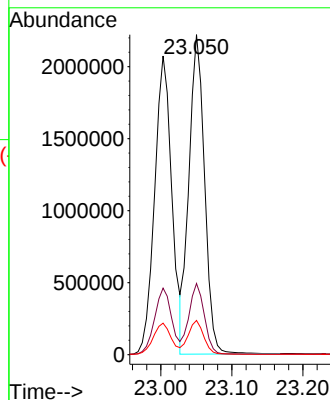
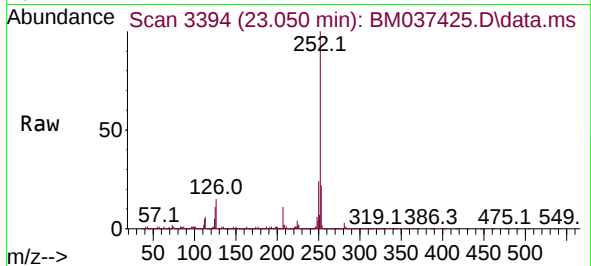
#89
Benzo(k)fluoranthene
Concen: 44.678 ng
RT: 23.050 min Scan# 3396
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

Tgt Ion:252 Resp: 340311
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 10.7 9.1 13.7

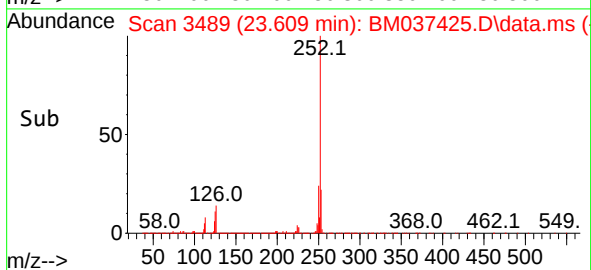
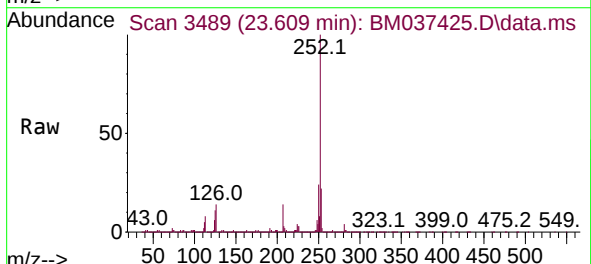
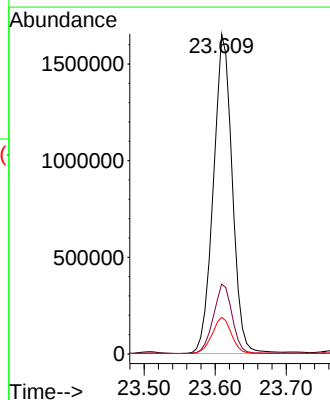
Manual Integrations
APPROVED

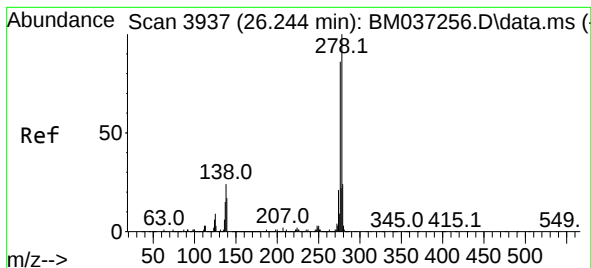
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 50.138 ng
RT: 23.609 min Scan# 3489
Delta R.T. -0.000 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:252 Resp: 3050567
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 11.4 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 50.272 ng

RT: 26.144 min Scan# 3937

Delta R.T. -0.000 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion:278 Resp: 3676690

Ion Ratio Lower Upper

278 100

139 16.5 13.8 20.8

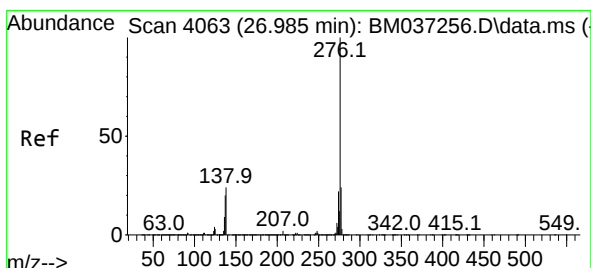
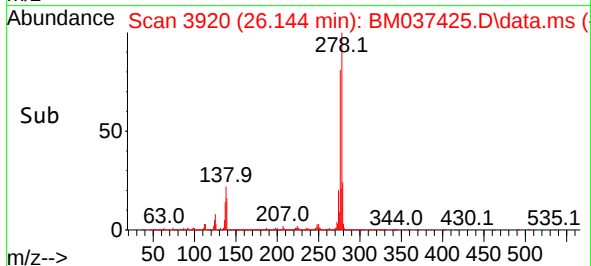
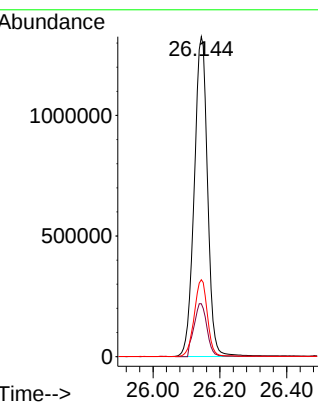
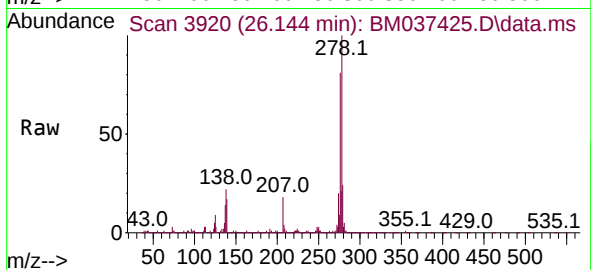
279 24.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#92

Benzo(g,h,i)perylene

Concen: 50.004 ng

RT: 26.874 min Scan# 4044

Delta R.T. -0.006 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion:276 Resp: 3559249

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 22.1 18.9 28.3

