

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110822\
 Data File : BM037424.D
 Acq On : 08 Nov 2022 12:17
 Operator : CG/JU
 Sample : N5451-01MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MS

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 14:54:51 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	376628	20.000	ng	0.00
21) Naphthalene-d8	10.628	136	1492102	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	807334	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1407398	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1015907	20.000	ng	0.00
86) Perylene-d12	23.709	264	1036025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	2516446	115.433	ng	0.00
7) Phenol-d6	7.010	99	3320106	112.213	ng	0.00
23) Nitrobenzene-d5	8.998	82	1832666	61.968	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1050699	110.435	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3558241	58.561	ng	0.00
79) Terphenyl-d14	19.821	244	3559349	62.829	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	340439	38.137	ng	96
3) Pyridine	3.693	79	969561	36.456	ng	98
4) n-Nitrosodimethylamine	3.604	42	505214	43.462	ng	94
6) Aniline	7.163	93	1760878	48.682	ng	100
8) 2-Chlorophenol	7.392	128	1315790	49.591	ng	99
9) Benzaldehyde	6.975	77	747196	49.891	ng	99
10) Phenol	7.034	94	1630576	49.184	ng	99
11) bis(2-Chloroethyl)ether	7.263	93	1224699	46.075	ng	99
12) 1,3-Dichlorobenzene	7.710	146	1353581	46.686	ng	98
13) 1,4-Dichlorobenzene	7.863	146	1389439	46.458	ng	99
14) 1,2-Dichlorobenzene	8.175	146	1331988	46.373	ng	99
15) Benzyl Alcohol	8.081	79	1052521	49.757	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.363	45	1709289	45.107	ng	99
17) 2-Methylphenol	8.281	107	1026978	47.400	ng	98
18) Hexachloroethane	8.898	117	510544	48.406	ng	97
19) n-Nitroso-di-n-propyla...	8.645	70	931049	45.899	ng	98
20) 3+4-Methylphenols	8.616	107	1510910	50.770	ng	100
22) Acetophenone	8.663	105	1831954	47.237	ng	# 99
24) Nitrobenzene	9.039	77	1344938	44.856	ng	99
25) Isophorone	9.569	82	2395337	48.462	ng	99
26) 2-Nitrophenol	9.745	139	667975	49.764	ng	96
27) 2,4-Dimethylphenol	9.810	122	1127544	56.602	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	1548933	50.367	ng	100
29) 2,4-Dichlorophenol	10.281	162	1117728	48.879	ng	99
30) 1,2,4-Trichlorobenzene	10.486	180	1207013	46.546	ng	98
31) Naphthalene	10.675	128	3680019	43.532	ng	100
32) Benzoic acid	9.969	122	593776	34.968	ng	97
33) 4-Chloroaniline	10.798	127	1127969	33.497	ng	100
34) Hexachlorobutadiene	10.951	225	694312	47.949	ng	97
35) Caprolactam	11.627	113	296246	42.614	ng	100
36) 4-Chloro-3-methylphenol	11.927	107	1066505	45.258	ng	100
37) 2-Methylnaphthalene	12.286	142	2557196	44.647	ng	99
38) 1-Methylnaphthalene	12.510	142	2373465	42.410	ng	100
40) 1,2,4,5-Tetrachloroben...	12.657	216	1270202	52.327	ng	99
41) Hexachlorocyclopentadiene	12.627	237	1544786	133.570	ng	99
43) 2,4,6-Trichlorophenol	12.898	196	838882	50.201	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	877581	47.608	ng	99
46) 1,1'-Biphenyl	13.298	154	3196355	49.061	ng	100
47) 2-Chloronaphthalene	13.345	162	2429433	46.859	ng	99
48) 2-Nitroaniline	13.563	65	690228	46.069	ng	98
49) Acenaphthylene	14.186	152	3679782	45.722	ng	100
50) Dimethylphthalate	13.939	163	2777603	45.043	ng	99
51) 2,6-Dinitrotoluene	14.057	165	608256	46.578	ng	98
52) Acenaphthene	14.527	154	2212499	44.467	ng	99
53) 3-Nitroaniline	14.386	138	489919	33.581	ng	100
54) 2,4-Dinitrophenol	14.598	184	515062	61.520	ng	95
55) Dibenzofuran	14.863	168	3395534	44.308	ng	99
56) 4-Nitrophenol	14.704	139	990082	85.070	ng	96
57) 2,4-Dinitrotoluene	14.845	165	792902	46.143	ng	99
58) Fluorene	15.510	166	2835518	44.327	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	689339	44.616	ng	97
60) Diethylphthalate	15.292	149	2707202	45.169	ng	100
61) 4-Chlorophenyl-phenyle...	15.504	204	1421415	48.030	ng	99
62) 4-Nitroaniline	15.551	138	580273m	39.659	ng	
63) Azobenzene	15.798	77	2618763	44.353	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	342483	36.252	ng	98
66) n-Nitrosodiphenylamine	15.727	169	2287569	48.087	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	807066	51.101	ng	99
68) Hexachlorobenzene	16.504	284	941675	49.268	ng	99
69) Atrazine	16.680	200	695073	58.070	ng	99
70) Pentachlorophenol	16.857	266	1039721	93.485	ng	98
71) Phenanthrene	17.251	178	3840220	43.980	ng	100
72) Anthracene	17.339	178	3880572	46.945	ng	100
73) Carbazole	17.615	167	3360279	44.316	ng	99
74) Di-n-butylphthalate	18.174	149	4466130	53.342	ng	100
75) Fluoranthene	19.262	202	3934826	42.631	ng	98
77) Benzidine	19.456	184	1486715	98.142	ng	99
78) Pyrene	19.621	202	3869276	49.530	ng	100
80) Butylbenzylphthalate	20.521	149	1686701	60.458	ng	98
81) Benzo(a)anthracene	21.362	228	3242219	44.828	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1114995	52.489	ng	98
83) Chrysene	21.415	228	3064392	43.977	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2878050	76.863	ng	99
85) Di-n-octyl phthalate	22.192	149	3489218	59.168	ng	100
87) Indeno(1,2,3-cd)pyrene	26.127	276	4280127	50.457	ng	98
88) Benzo(b)fluoranthene	23.003	252	3441930	47.854	ng	99
89) Benzo(k)fluoranthene	23.050	252	3217502	43.855	ng	99
90) Benzo(a)pyrene	23.609	252	2940141	50.170	ng	99
91) Dibenzo(a,h)anthracene	26.144	278	3641071	51.688	ng	98
92) Benzo(g,h,i)perylene	26.874	276	3527073	51.445	ng	98

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

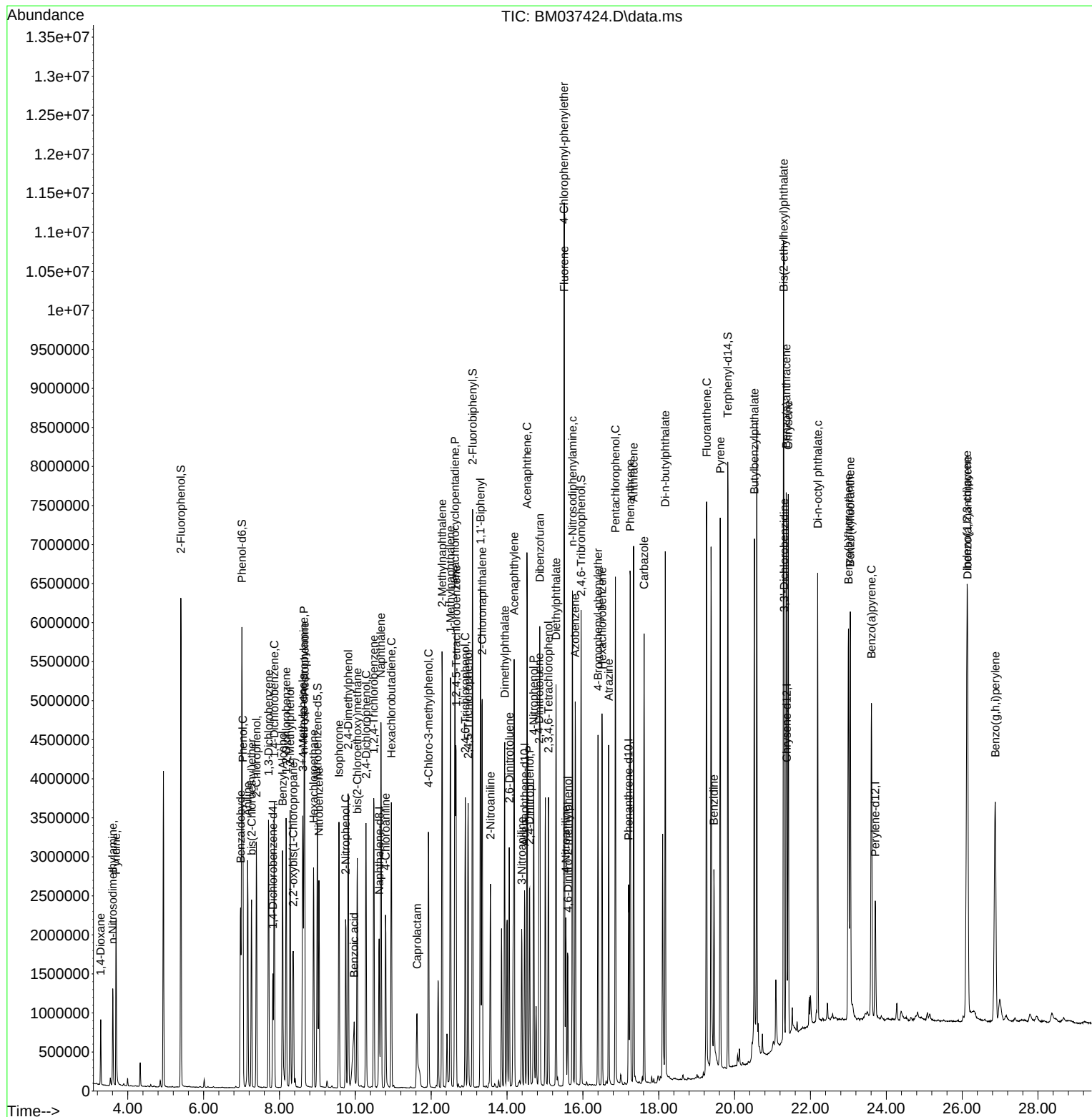
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM10822\
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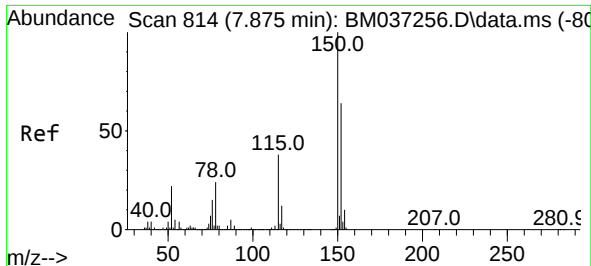
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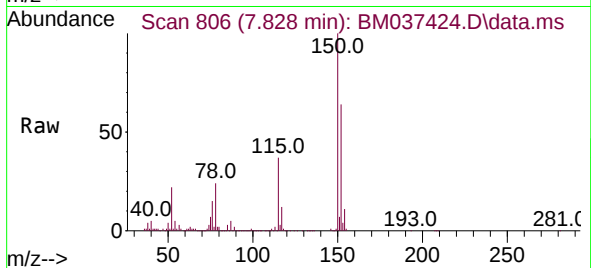
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 80
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

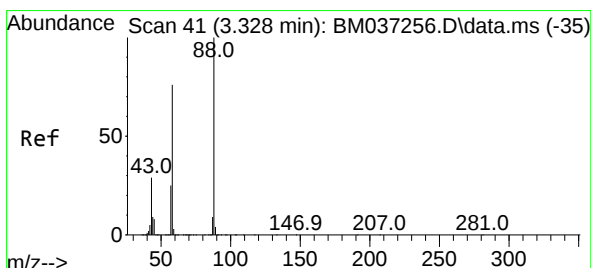
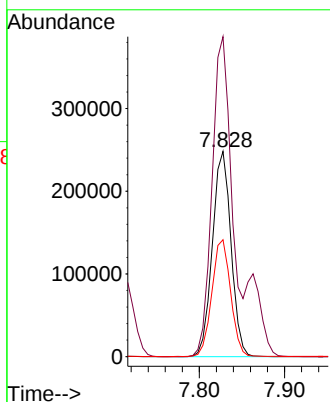
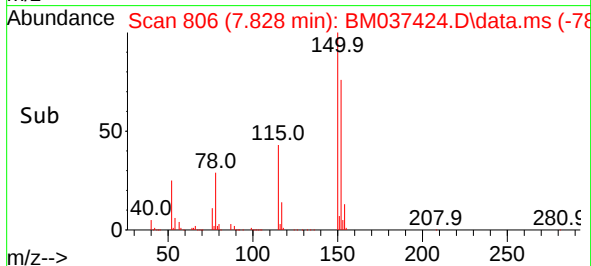
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Tgt Ion:152 Resp: 376628
Ion Ratio Lower Upper
152 100
150 156.0 124.8 187.2
115 57.0 47.0 70.4

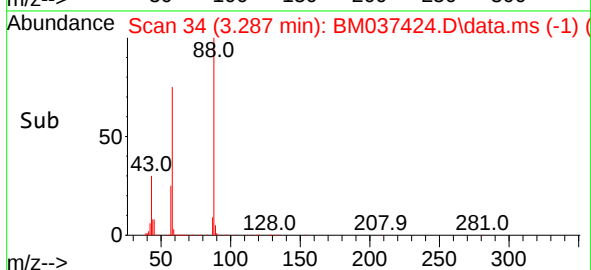
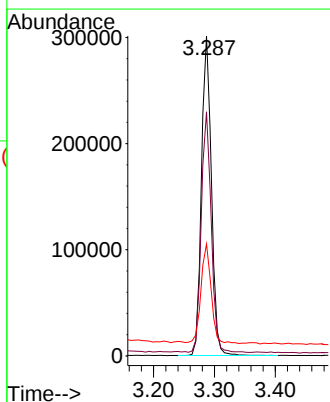
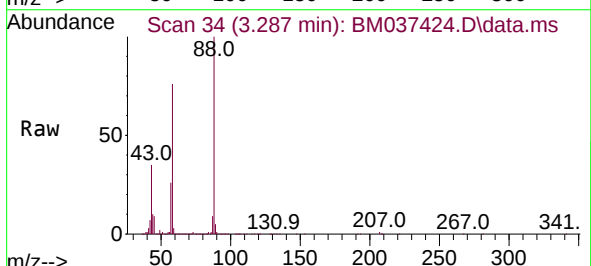
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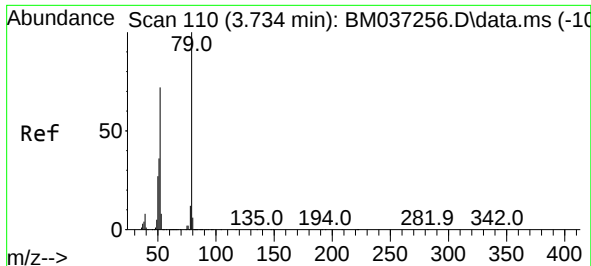
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#2
1,4-Dioxane
Concen: 38.137 ng
RT: 3.287 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

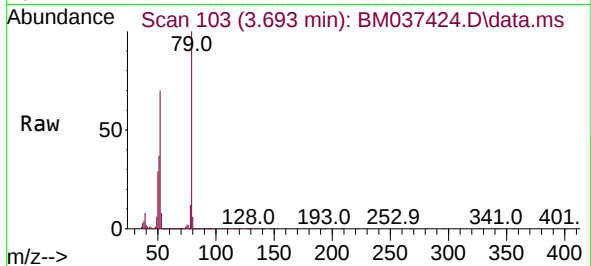
Tgt Ion: 88 Resp: 340439
Ion Ratio Lower Upper
88 100
58 75.3 63.5 95.3
43 31.9 24.2 36.4





#3
Pyridine
Concen: 36.456 ng
RT: 3.693 min Scan# 10
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

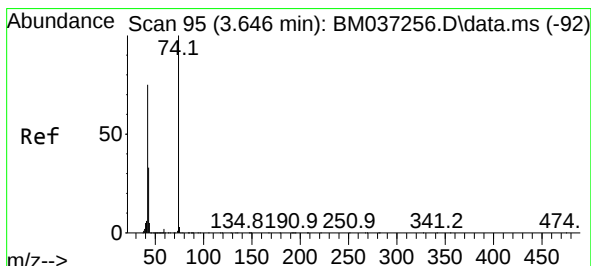
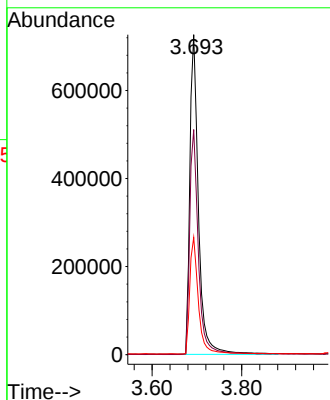
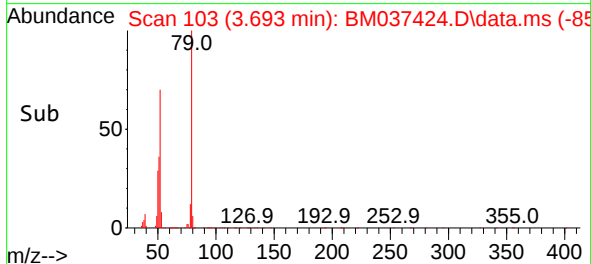
Instrument :
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ClientSampleId :
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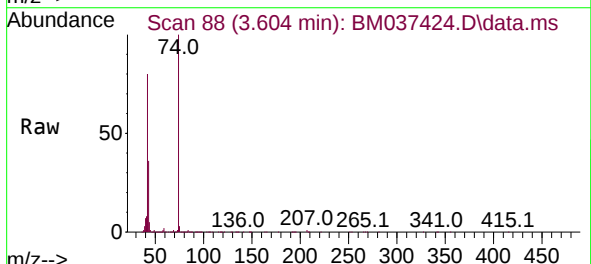
Tgt Ion: 79 Resp: 96956
Ion Ratio Lower Upper
79 100
52 70.3 57.8 86.6
51 36.6 29.0 43.6

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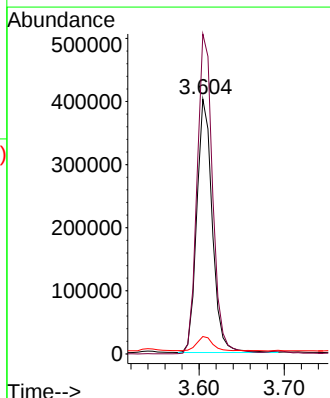
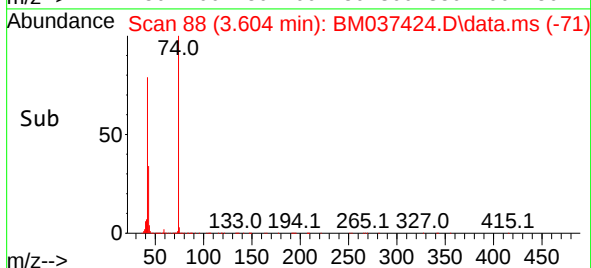
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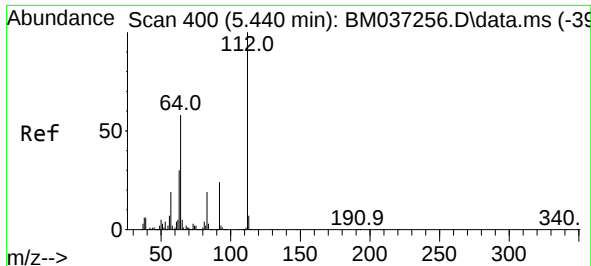


#4
n-Nitrosodimethylamine
Concen: 43.462 ng
RT: 3.604 min Scan# 88
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



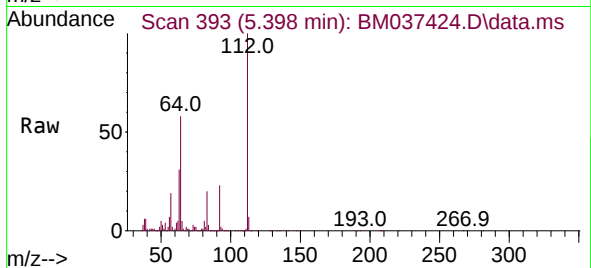
Tgt Ion: 42 Resp: 505214
Ion Ratio Lower Upper
42 100
74 125.6 106.2 159.2
44 6.8 5.4 8.0





#5
2-Fluorophenol
Concen: 115.433 ng
RT: 5.398 min Scan# 39
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

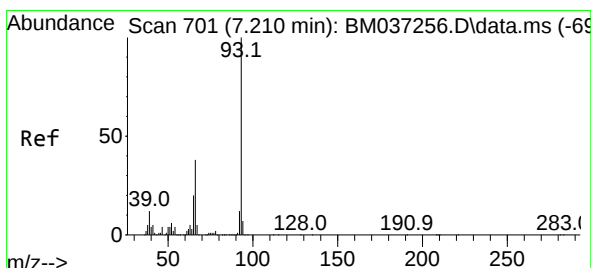
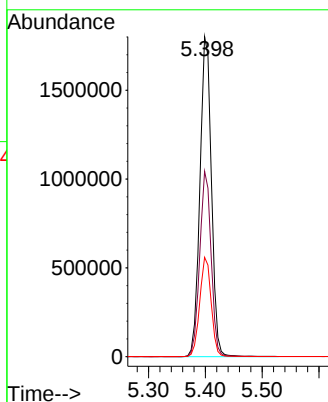
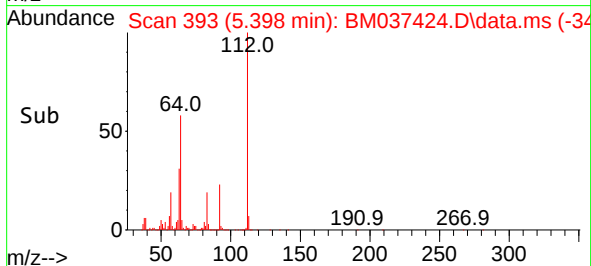
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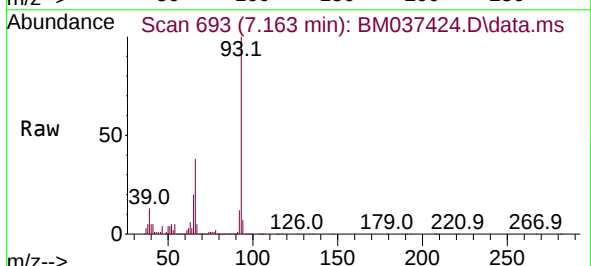
Tgt Ion: 112 Resp: 2516446
Ion Ratio Lower Upper
112 100
64 57.9 46.8 70.2
63 31.1 24.4 36.6

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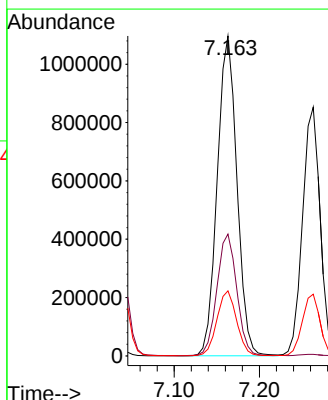
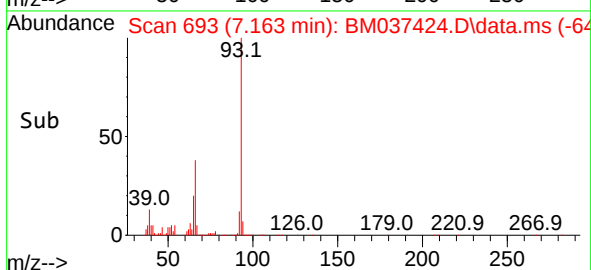
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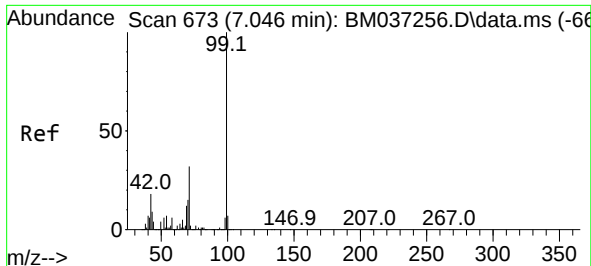


#6
Aniline
Concen: 48.682 ng
RT: 7.163 min Scan# 693
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



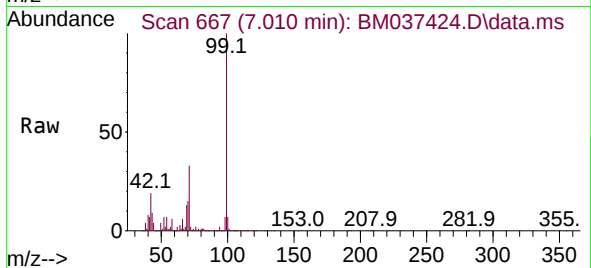
Tgt Ion: 93 Resp: 1760878
Ion Ratio Lower Upper
93 100
66 38.1 30.4 45.6
65 20.3 16.2 24.2





#7
Phenol-d6
Concen: 112.213 ng
RT: 7.010 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM037424.D
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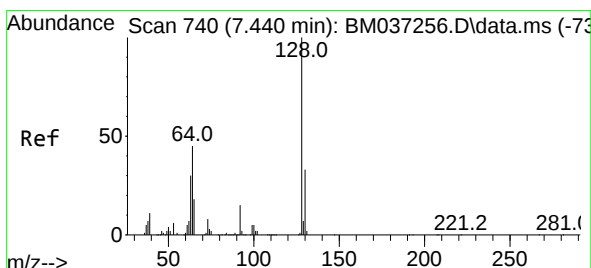
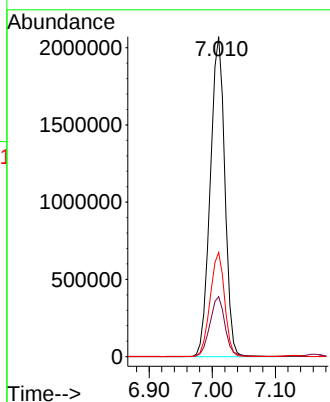
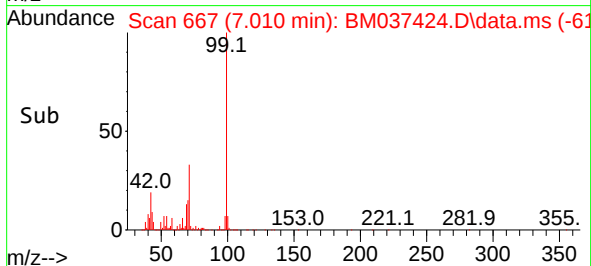
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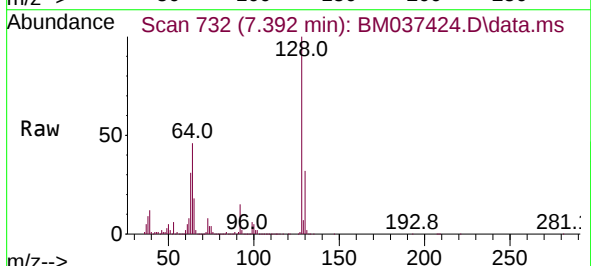
Tgt Ion: 99 Resp: 3320106
Ion Ratio Lower Upper
99 100
42 18.7 14.8 22.2
71 32.5 25.6 38.4

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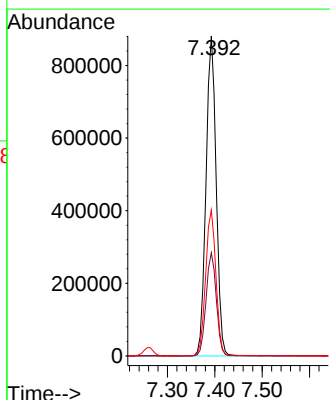
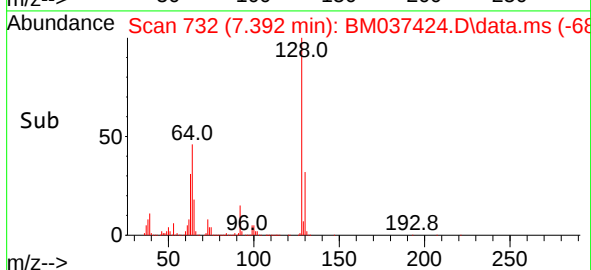
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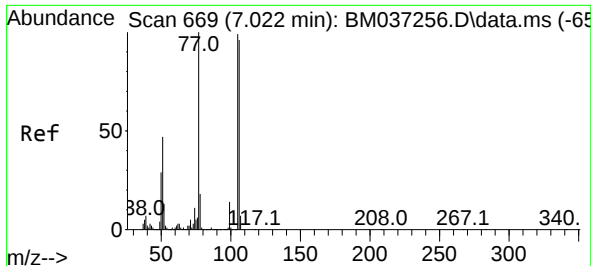


#8
2-Chlorophenol
Concen: 49.591 ng
RT: 7.392 min Scan# 732
Delta R.T. 0.006 min
Lab File: BM037424.D
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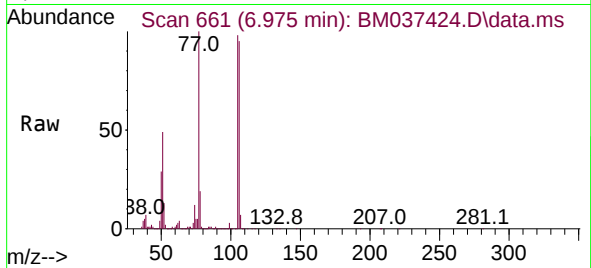
Tgt Ion:128 Resp: 1315790
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 45.6 26.4 66.4





#9
Benzaldehyde
Concen: 49.891 ng
RT: 6.975 min Scan# 60
Delta R.T. 0.000 min
Lab File: BM037424.D
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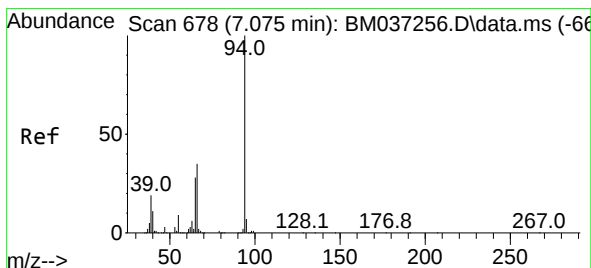
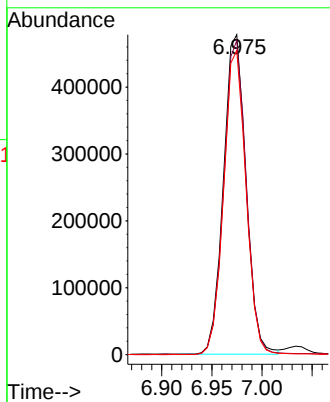
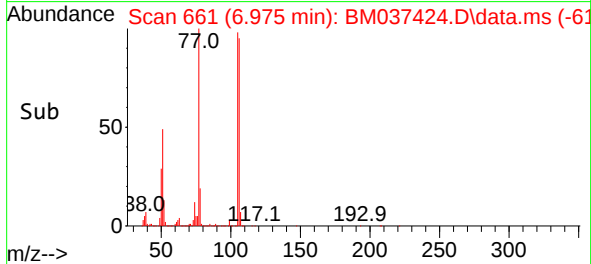
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Tgt Ion: 77 Resp: 747196
Ion Ratio Lower Upper
77 100
105 98.1 78.6 118.6
106 95.1 75.8 115.8

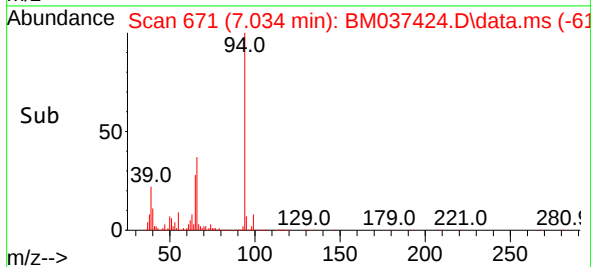
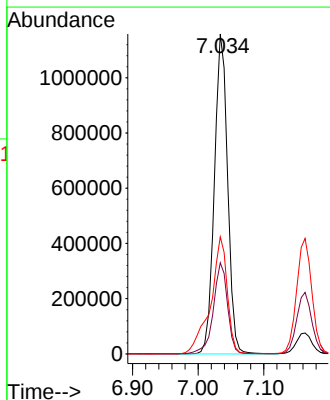
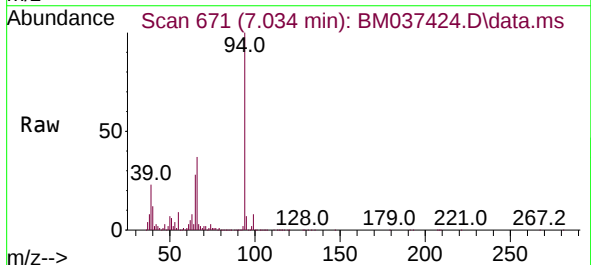
Manual Integrations
APPROVED

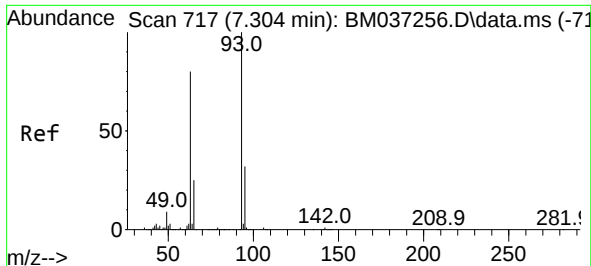
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#10
Phenol
Concen: 49.184 ng
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion: 94 Resp: 1630576
Ion Ratio Lower Upper
94 100
65 28.5 8.1 48.1
66 36.6 15.5 55.5





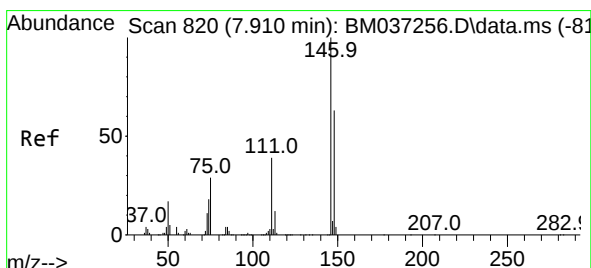
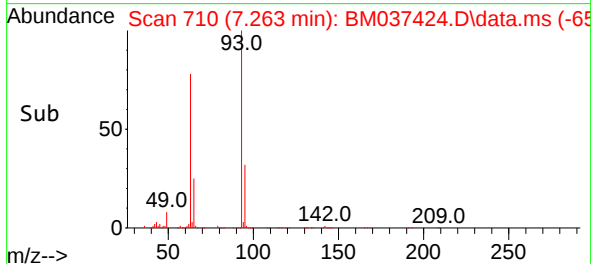
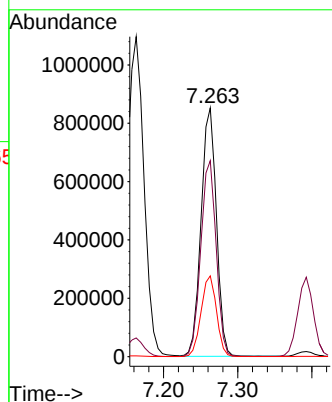
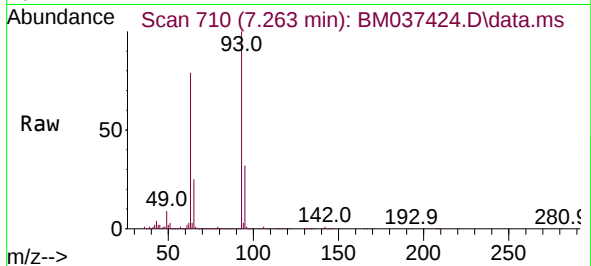
#11
bis(2-Chloroethyl)ether
Concen: 46.075 ng
RT: 7.263 min Scan# 717
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion: 93 Resp: 1224699
Ion Ratio Lower Upper
93 100
63 78.7 59.3 99.3
95 32.5 12.0 52.0

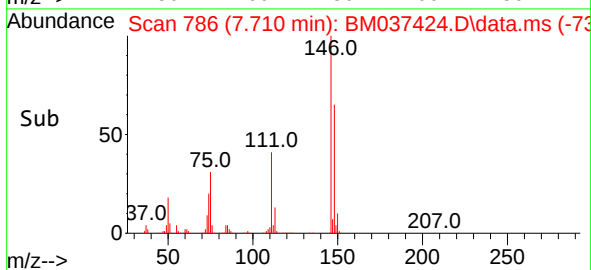
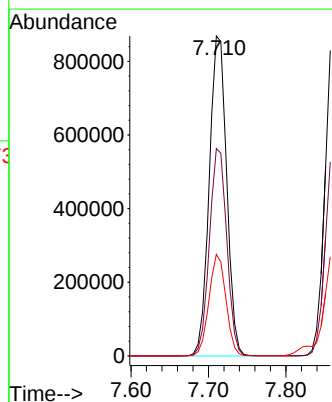
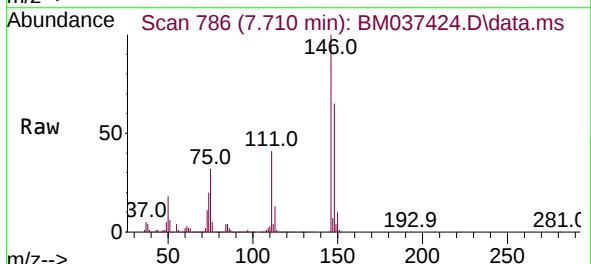
Manual Integrations
APPROVED

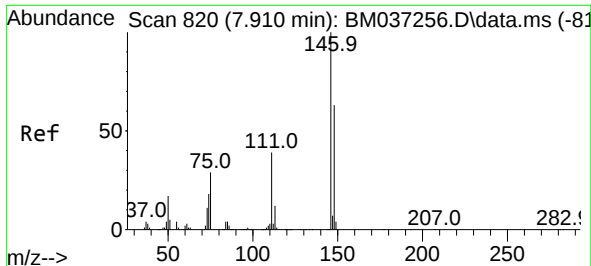
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#12
1,3-Dichlorobenzene
Concen: 46.686 ng
RT: 7.710 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:146 Resp: 1353581
Ion Ratio Lower Upper
146 100
148 64.8 50.5 75.7
75 31.7 24.5 36.7





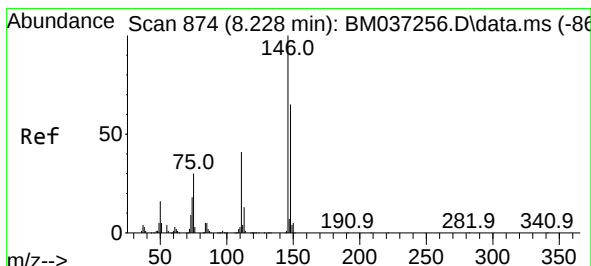
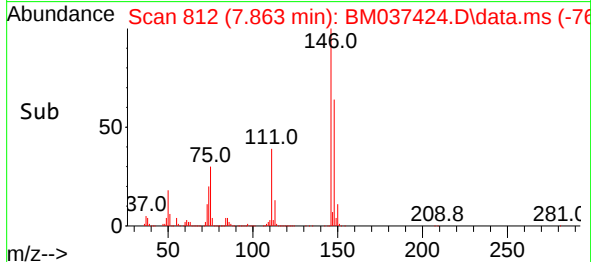
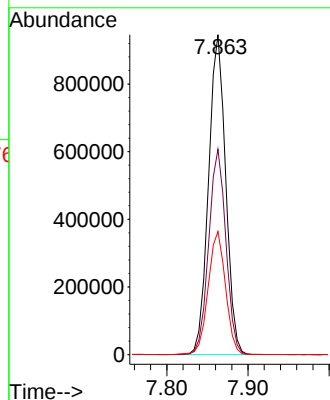
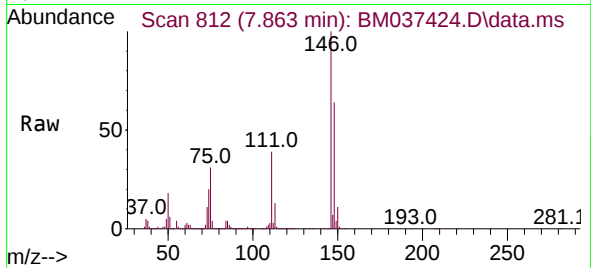
#13
1,4-Dichlorobenzene
Concen: 46.458 ng
RT: 7.863 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion:146 Resp: 1389439
Ion Ratio Lower Upper
146 100
148 64.2 50.5 75.7
111 38.5 31.1 46.7

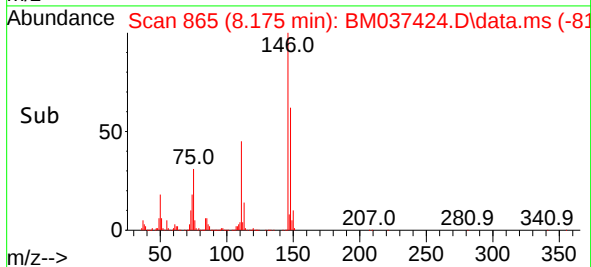
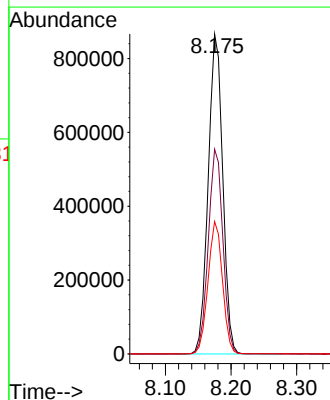
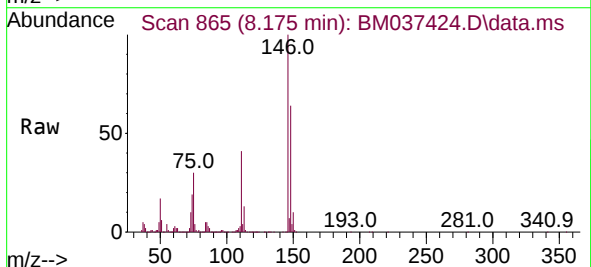
Manual Integrations
APPROVED

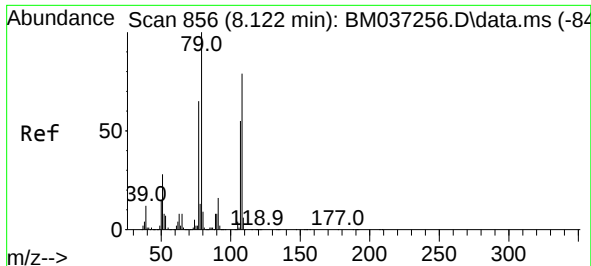
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#14
1,2-Dichlorobenzene
Concen: 46.373 ng
RT: 8.175 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

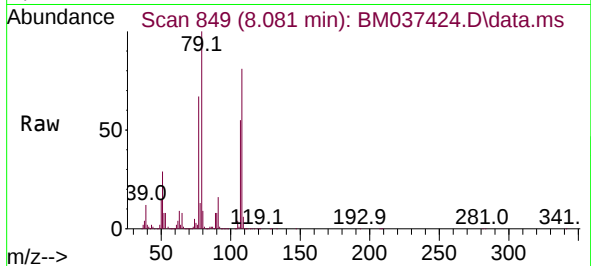
Tgt Ion:146 Resp: 1331988
Ion Ratio Lower Upper
146 100
148 64.0 52.4 78.6
111 41.4 33.0 49.6





#15
Benzyl Alcohol
Concen: 49.757 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

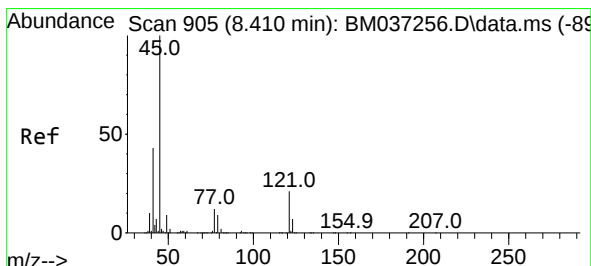
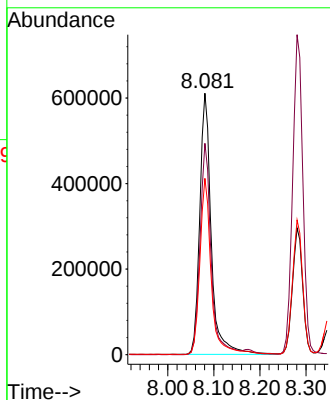
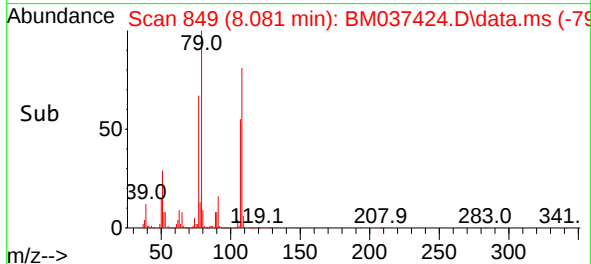
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



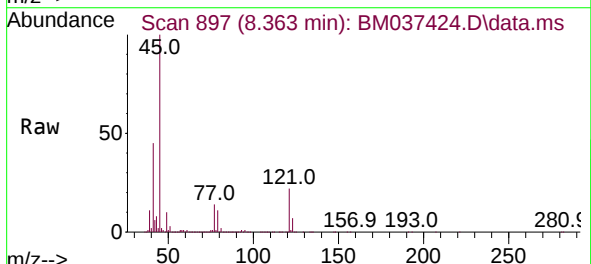
Tgt Ion: 79 Resp: 105252
Ion Ratio Lower Upper
79 100
108 80.8 63.1 94.7
77 67.4 51.7 77.5

Manual Integrations
APPROVED

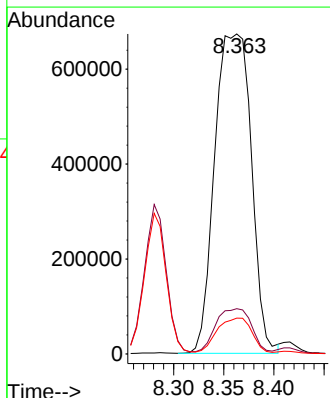
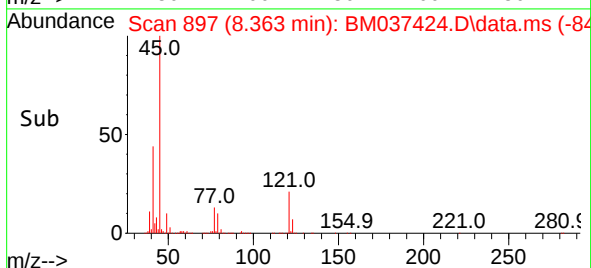
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

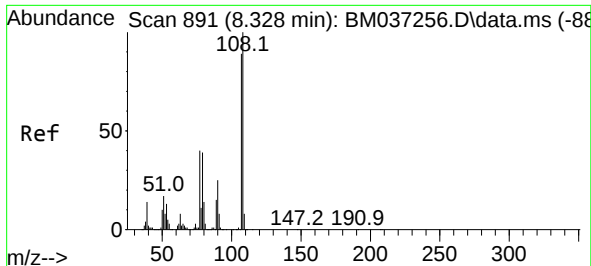


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.107 ng
RT: 8.363 min Scan# 897
Delta R.T. 0.012 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



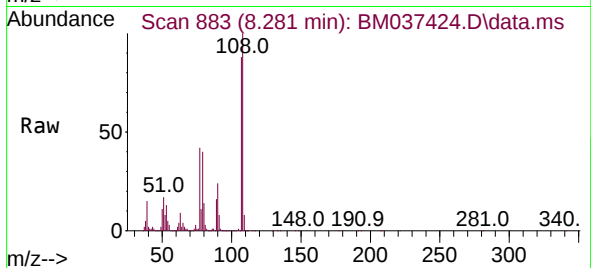
Tgt Ion: 45 Resp: 1709289
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.0
79 11.2 0.0 30.6





#17
2-Methylphenol
Concen: 47.400 ng
RT: 8.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

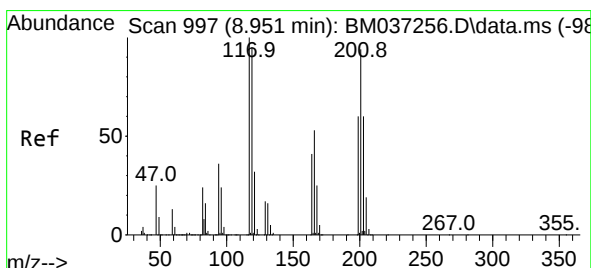
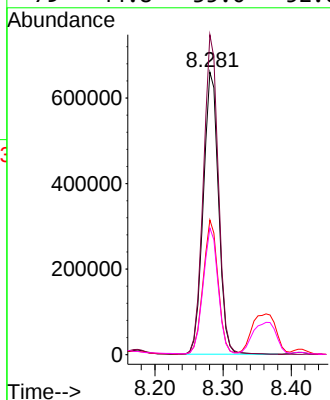
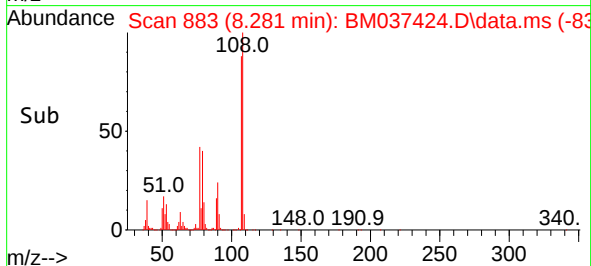
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:107 Resp: 1026978
Ion Ratio Lower Upper
107 100
108 113.2 89.5 134.3
77 47.6 36.2 54.2
79 44.8 35.0 52.6

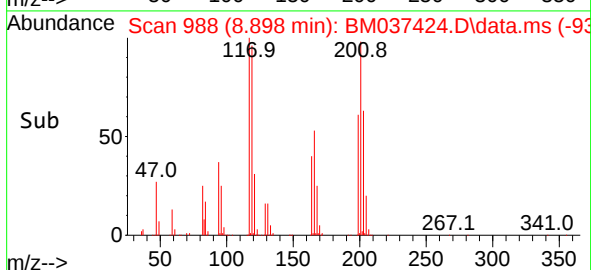
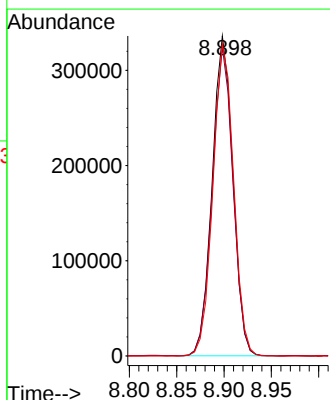
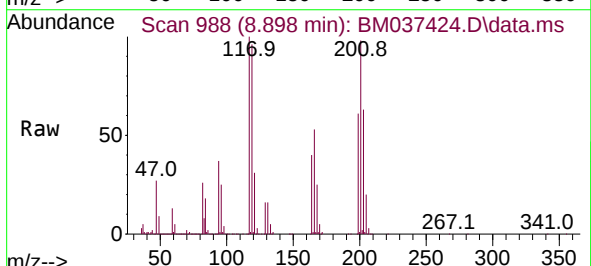
Manual Integrations
APPROVED

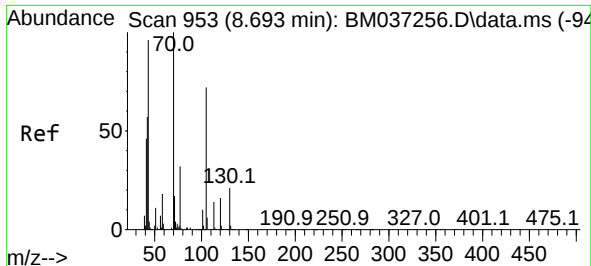
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#18
Hexachloroethane
Concen: 48.406 ng
RT: 8.898 min Scan# 988
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

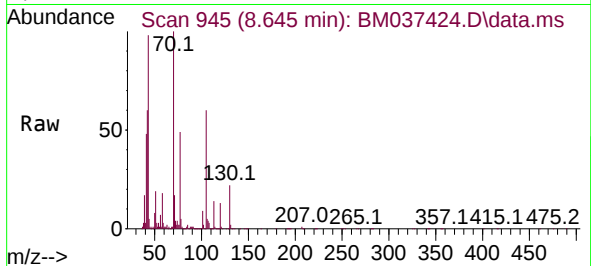
Tgt Ion:117 Resp: 510544
Ion Ratio Lower Upper
117 100
119 96.5 75.9 113.9
201 97.5 75.0 112.4





#19
n-Nitroso-di-n-propylamine
Concen: 45.899 ng
RT: 8.645 min Scan# 94
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

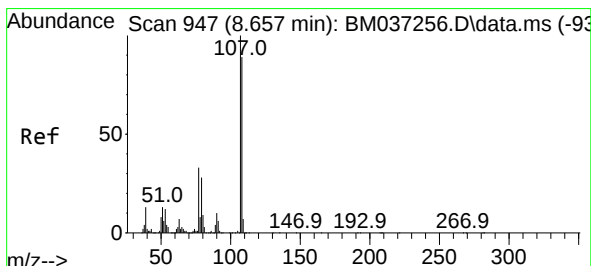
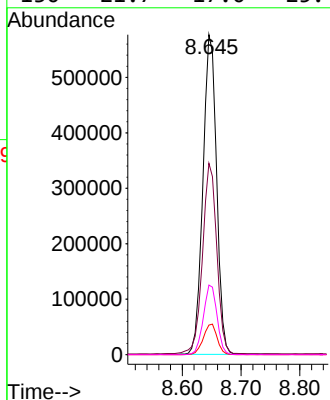
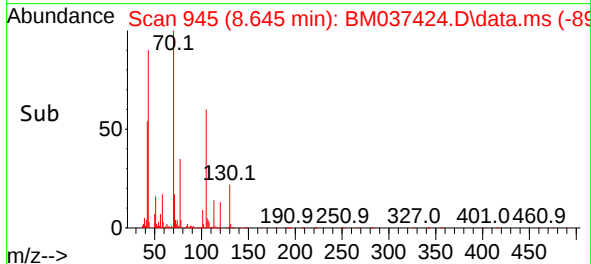
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



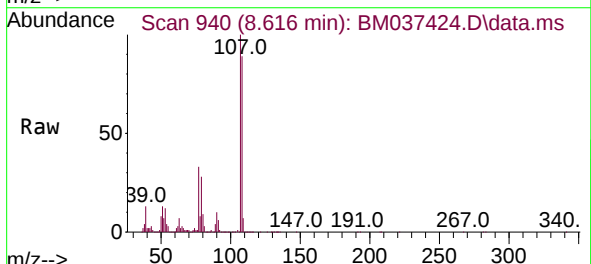
Tgt Ion: 70 Resp: 931049
Ion Ratio Lower Upper
70 100
42 59.8 46.4 69.6
101 9.3 7.8 11.8
130 21.7 17.0 25.4

Manual Integrations
APPROVED

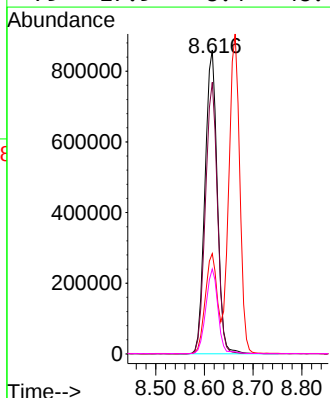
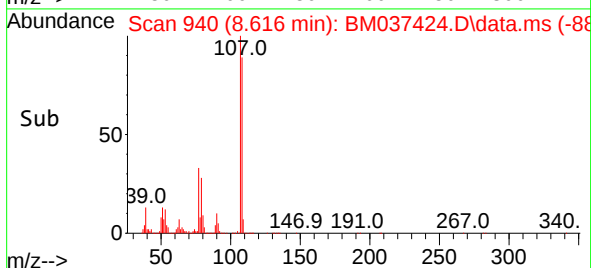
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

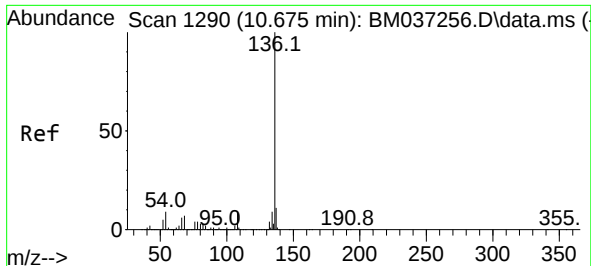


#20
3+4-Methylphenols
Concen: 50.770 ng
RT: 8.616 min Scan# 940
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



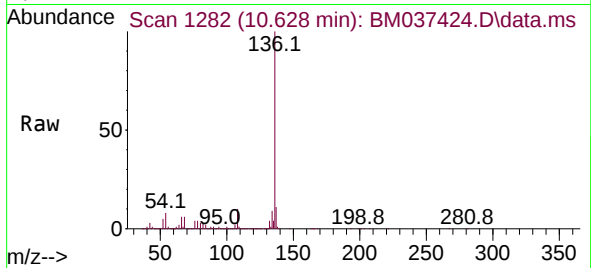
Tgt Ion:107 Resp: 1510910
Ion Ratio Lower Upper
107 100
108 89.4 69.4 109.4
77 33.0 12.8 52.8
79 27.9 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

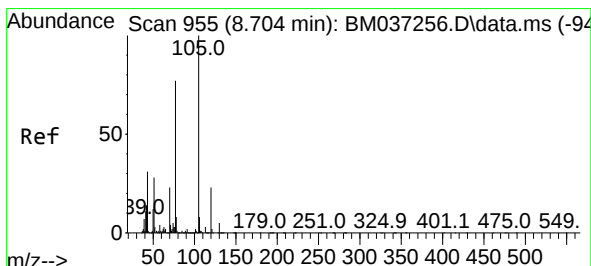
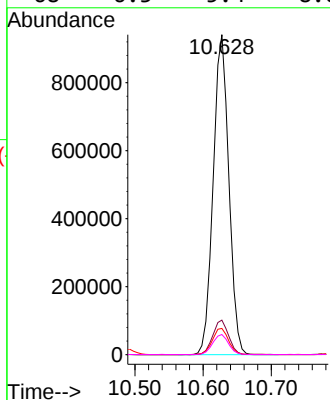
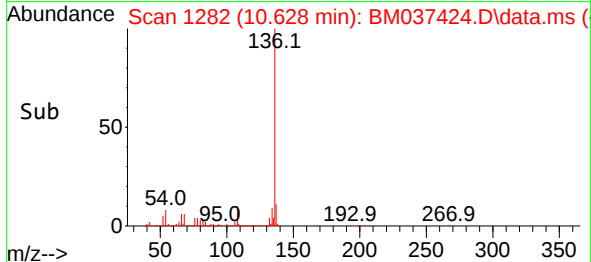
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:136 Resp: 1492102
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.2 7.0 10.4
68 6.3 5.4 8.0

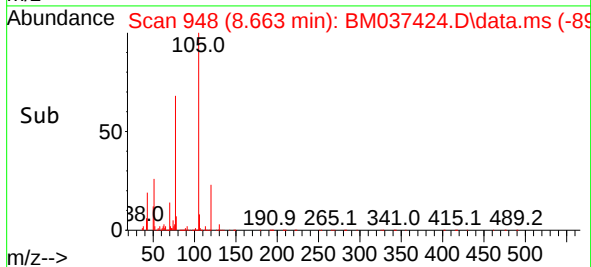
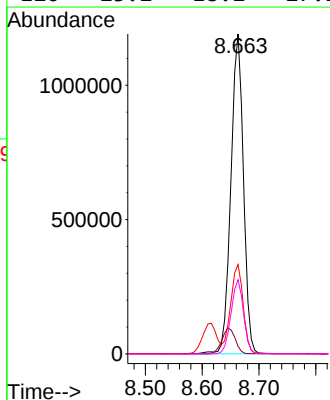
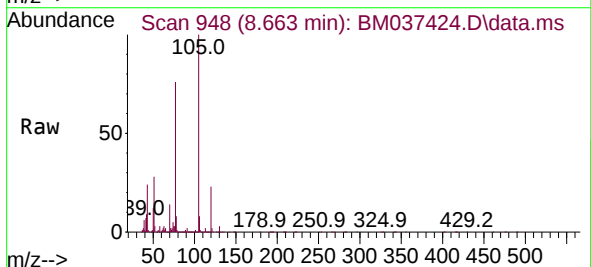
Manual Integrations
APPROVED

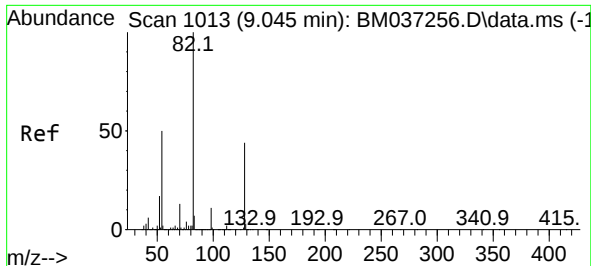
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#22
Acetophenone
Concen: 47.237 ng
RT: 8.663 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

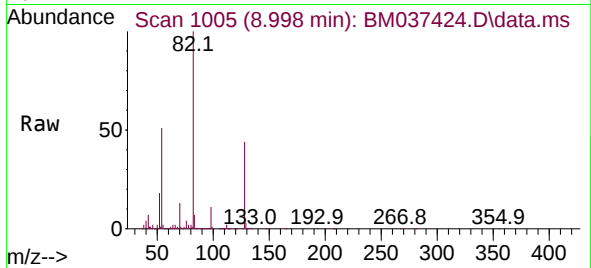
Tgt Ion:105 Resp: 1831954
Ion Ratio Lower Upper
105 100
71 2.4 3.0 4.4#
51 27.9 22.1 33.1
120 23.2 18.2 27.2





#23
Nitrobenzene-d5
Concen: 61.968 ng
RT: 8.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

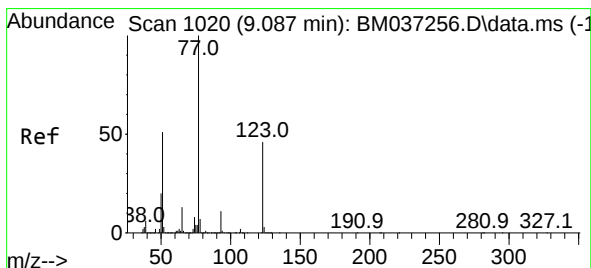
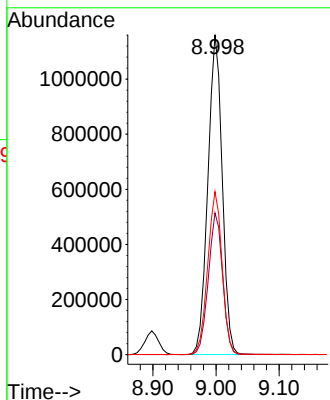
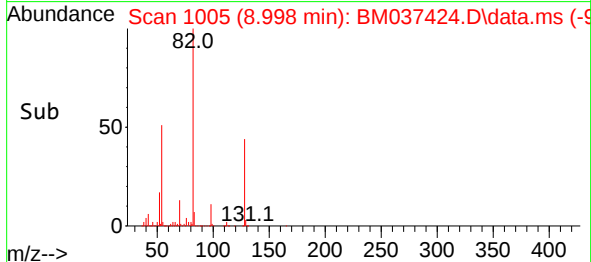
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



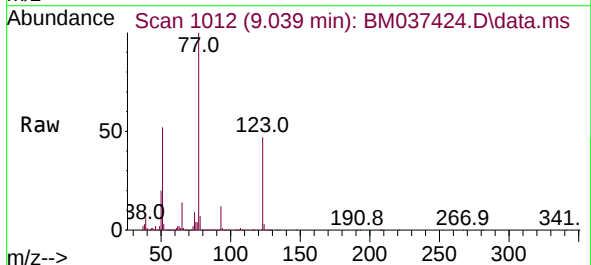
Tgt Ion: 82 Resp: 1832666
Ion Ratio Lower Upper
82 100
128 44.3 35.2 52.8
54 50.9 40.4 60.6

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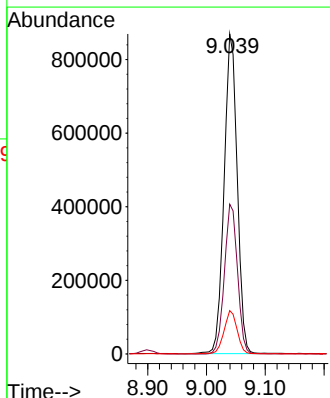
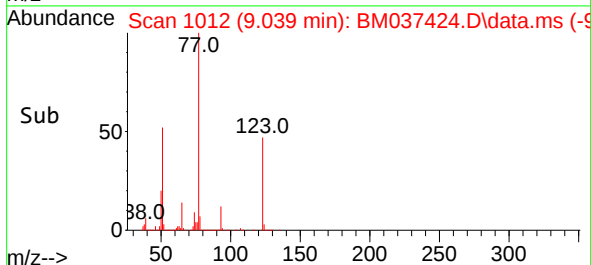
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

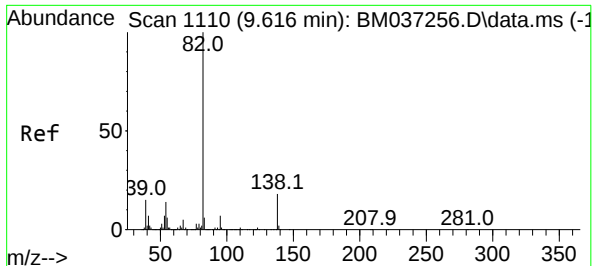


#24
Nitrobenzene
Concen: 44.856 ng
RT: 9.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



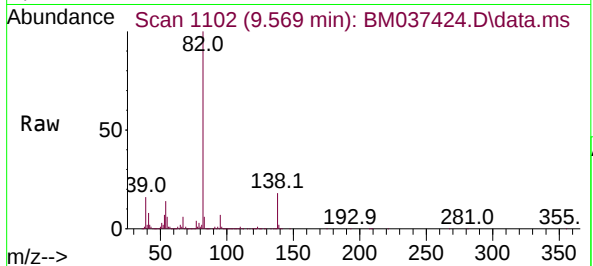
Tgt Ion: 77 Resp: 1344938
Ion Ratio Lower Upper
77 100
123 46.8 36.6 55.0
65 13.5 10.6 16.0





#25
Isophorone
Concen: 48.462 ng
RT: 9.569 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

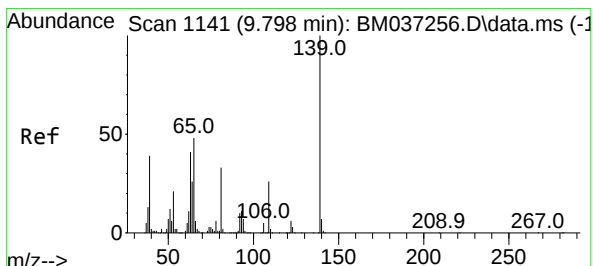
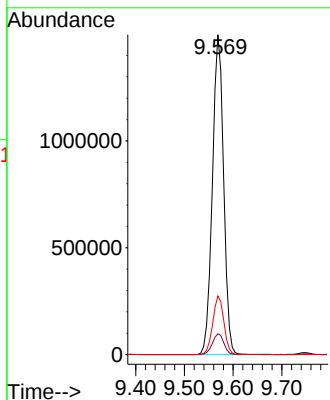
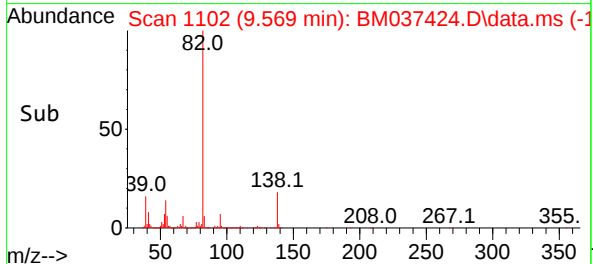
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



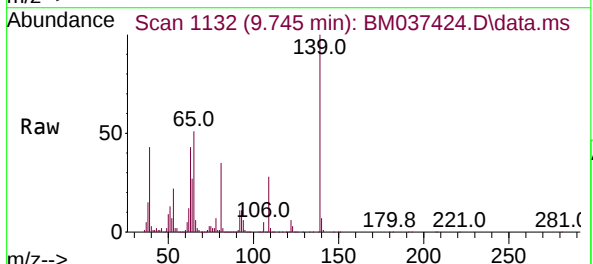
Tgt Ion: 82 Resp: 239533
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.0
138 18.3 14.2 21.4

Manual Integrations
APPROVED

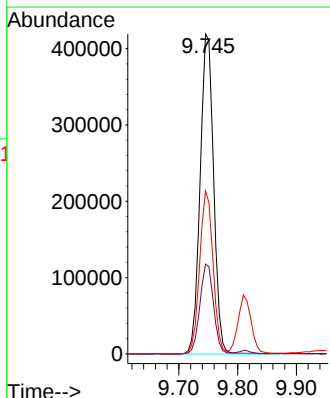
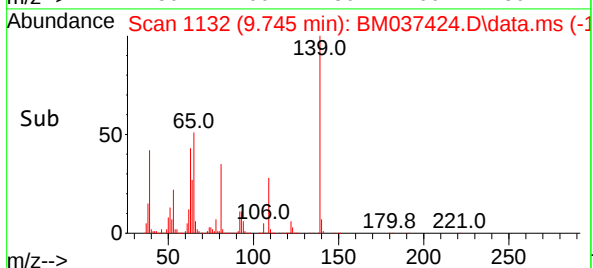
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

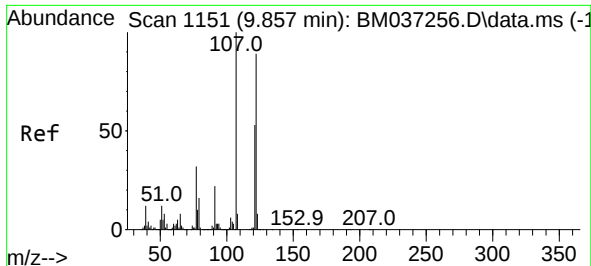


#26
2-Nitrophenol
Concen: 49.764 ng
RT: 9.745 min Scan# 1132
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



Tgt Ion:139 Resp: 667975
Ion Ratio Lower Upper
139 100
109 28.1 21.1 31.7
65 50.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 56.602 ng

RT: 9.810 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BM037424.D

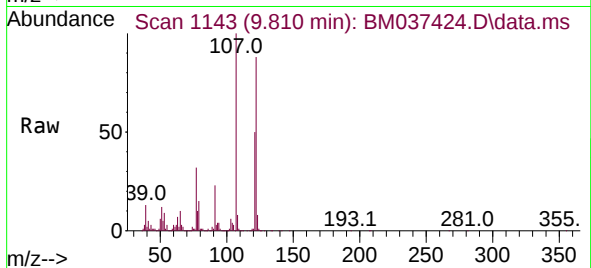
Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS



Tgt Ion:122 Resp: 1127544

Ion Ratio Lower Upper

122 100

107 113.7 89.7 134.5

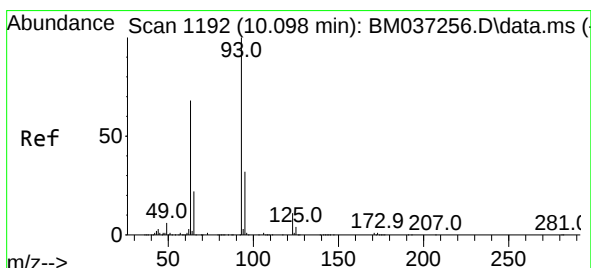
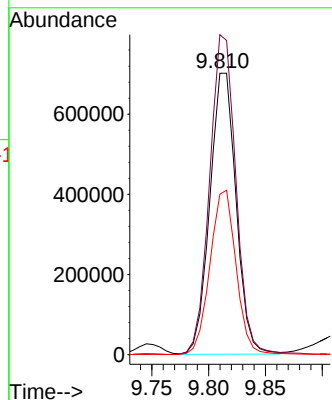
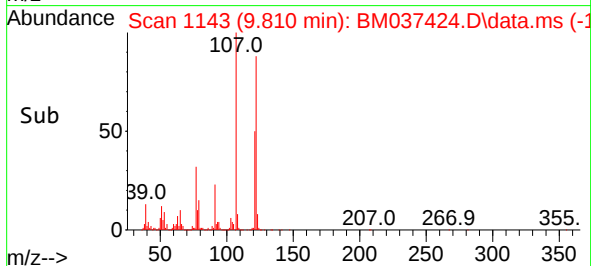
121 57.0 47.1 70.7

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: 50.367 ng

RT: 10.051 min Scan# 1184

Delta R.T. 0.006 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

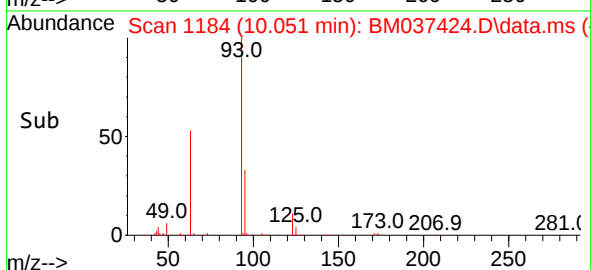
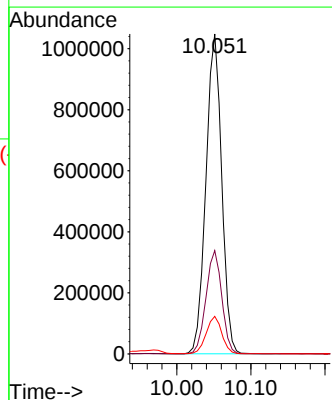
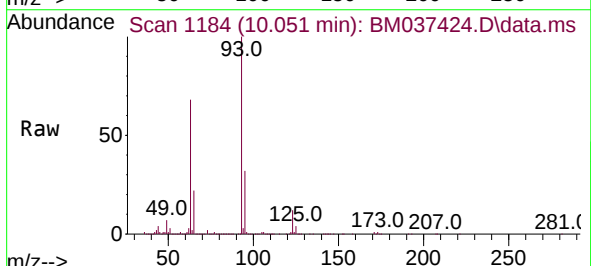
Tgt Ion: 93 Resp: 1548933

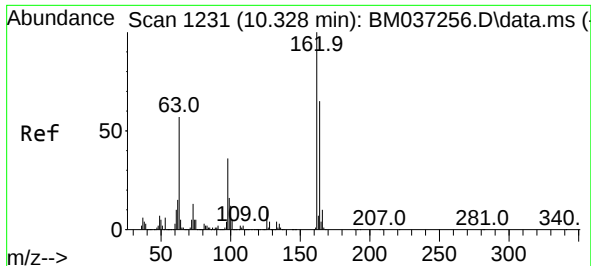
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

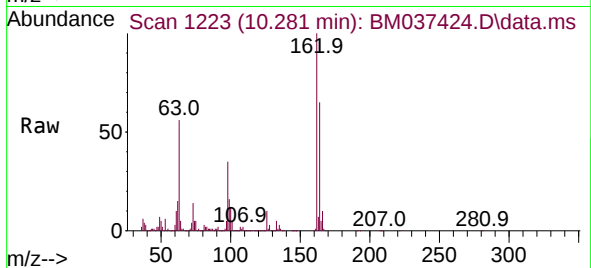
123 11.7 9.3 13.9





#29
2,4-Dichlorophenol
Concen: 48.879 ng
RT: 10.281 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

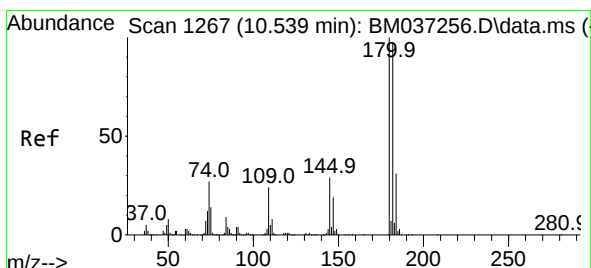
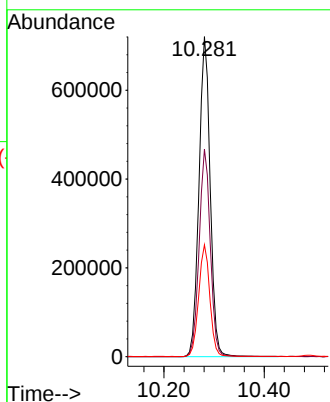
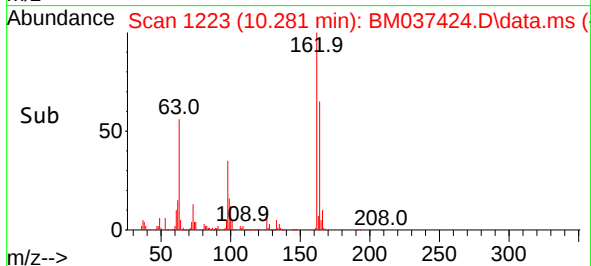
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



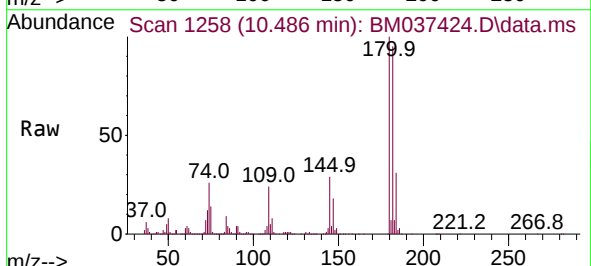
Tgt Ion:162 Resp: 1117728
Ion Ratio Lower Upper
162 100
164 64.8 45.0 85.0
98 34.9 16.2 56.2

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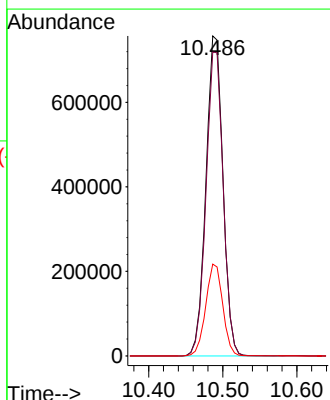
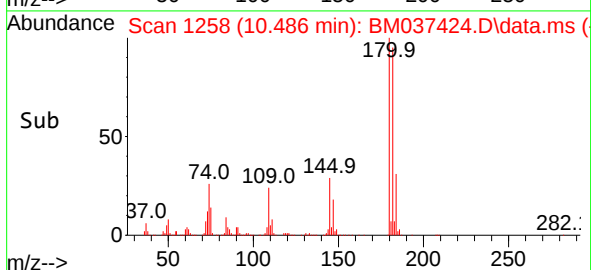
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

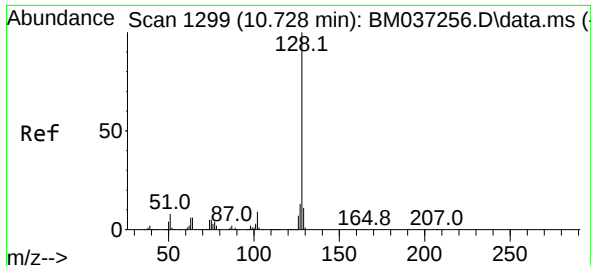


#30
1,2,4-Trichlorobenzene
Concen: 46.546 ng
RT: 10.486 min Scan# 1258
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



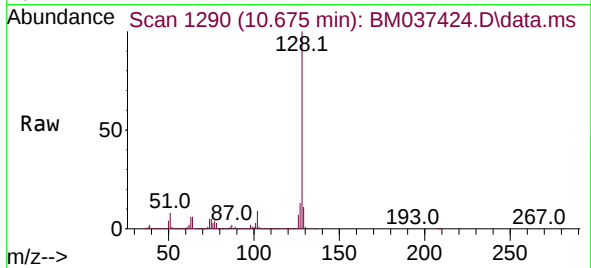
Tgt Ion:180 Resp: 1207013
Ion Ratio Lower Upper
180 100
182 94.9 77.5 116.3
145 28.7 23.5 35.3





#31
Naphthalene
Concen: 43.532 ng
RT: 10.675 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

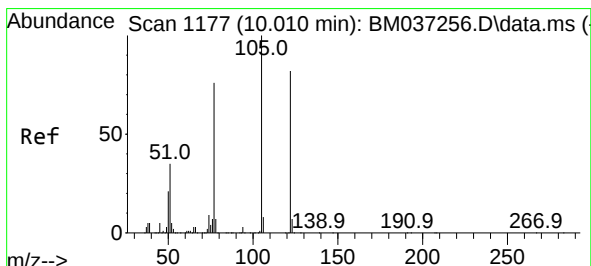
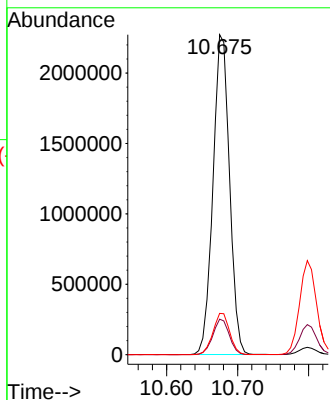
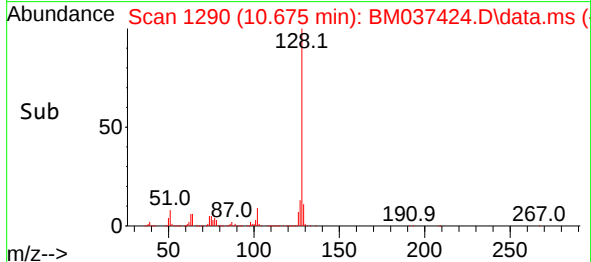
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:128 Resp: 3680019
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.2 15.2

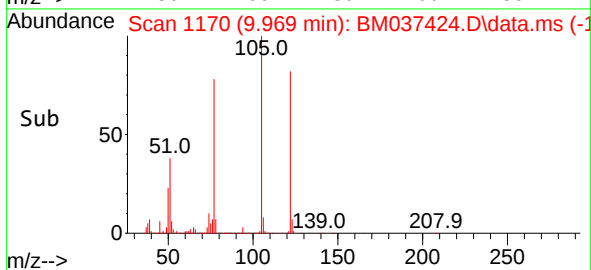
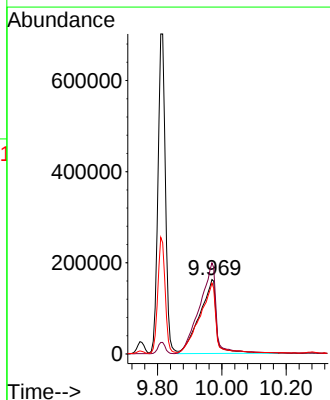
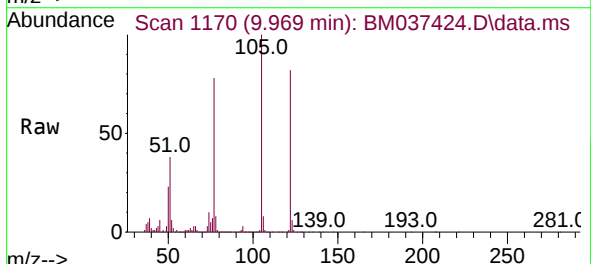
Manual Integrations
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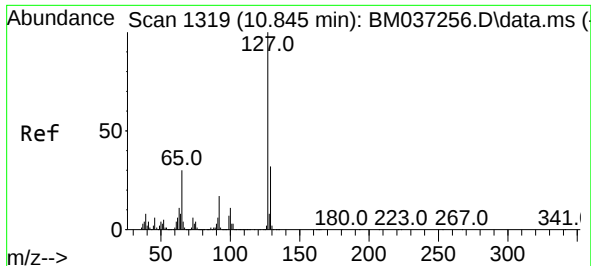
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#32
Benzoic acid
Concen: 34.968 ng
RT: 9.969 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:122 Resp: 593776
Ion Ratio Lower Upper
122 100
105 122.4 100.1 140.1
77 95.2 71.7 111.7





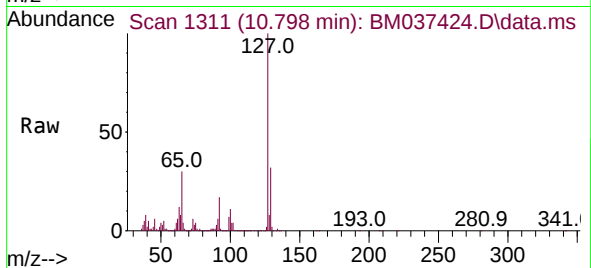
#33
4-Chloroaniline
Concen: 33.497 ng
RT: 10.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

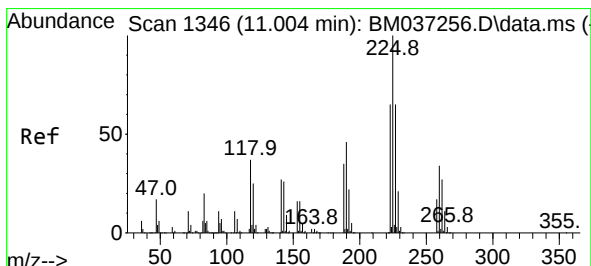
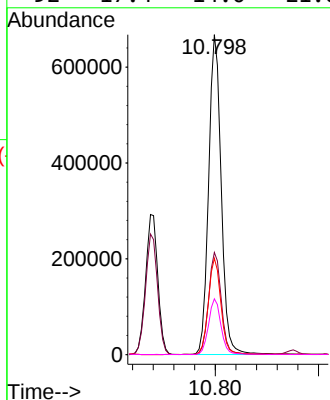
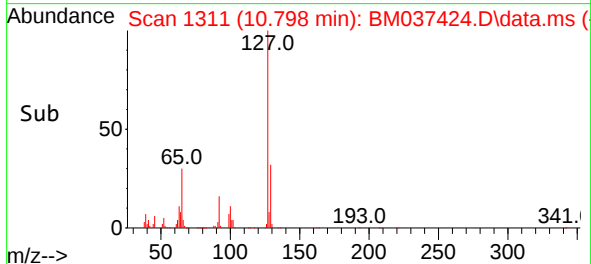


Tgt Ion:127 Resp: 1127969
Ion Ratio Lower Upper
127 100
129 31.9 25.5 38.3
65 30.1 24.0 36.0
92 17.4 14.0 21.0

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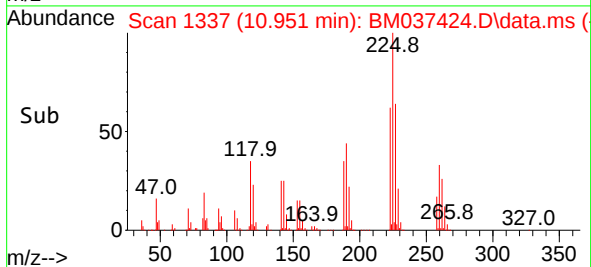
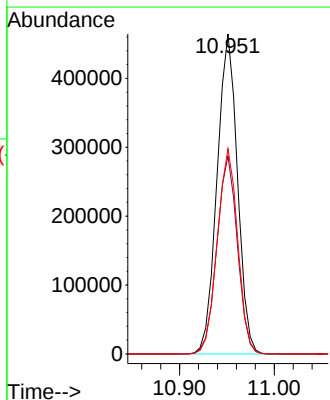
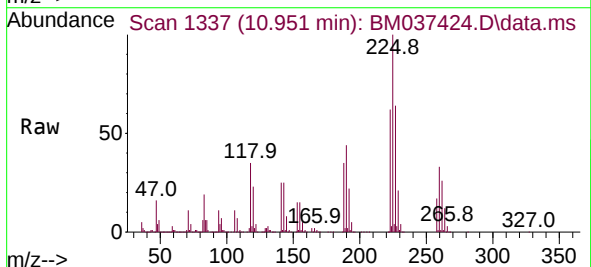
APPROVED

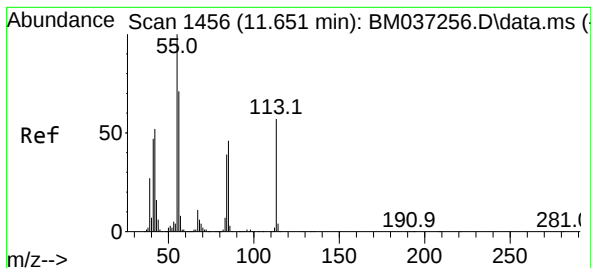
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#34
Hexachlorobutadiene
Concen: 47.949 ng
RT: 10.951 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

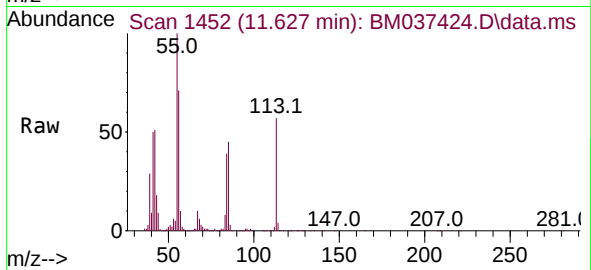
Tgt Ion:225 Resp: 694312
Ion Ratio Lower Upper
225 100
223 61.8 51.9 77.9
227 64.1 52.2 78.4





#35
Caprolactam
Concen: 42.614 ng
RT: 11.627 min Scan# 1456
Delta R.T. 0.012 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

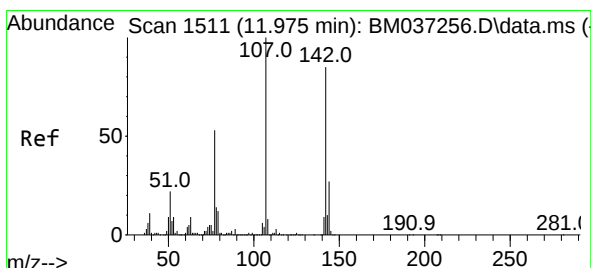
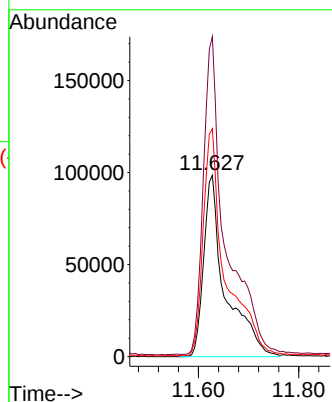
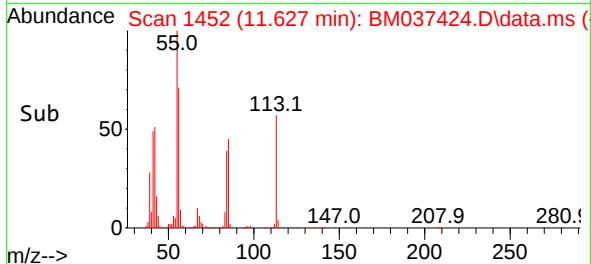
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



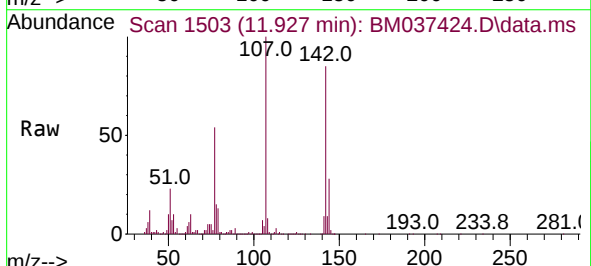
Tgt Ion:113 Resp: 296246
Ion Ratio Lower Upper
113 100
55 176.5 156.9 196.9
56 125.7 106.4 146.4

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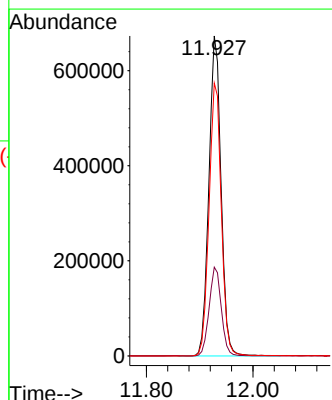
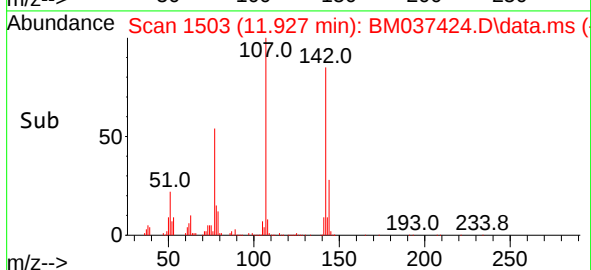
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

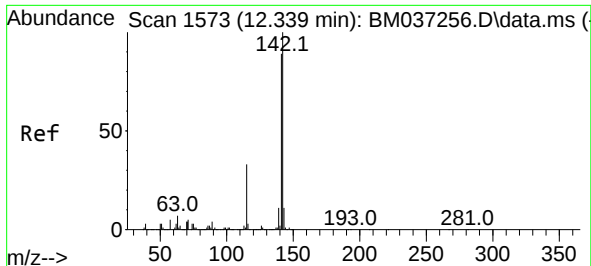


#36
4-Chloro-3-methylphenol
Concen: 45.258 ng
RT: 11.927 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



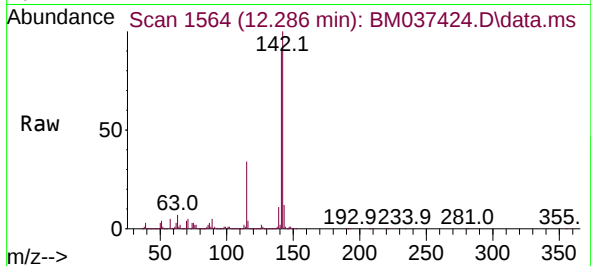
Tgt Ion:107 Resp: 1066505
Ion Ratio Lower Upper
107 100
144 27.7 21.8 32.6
142 85.3 68.1 102.1





#37
2-Methylnaphthalene
Concen: 44.647 ng
RT: 12.286 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

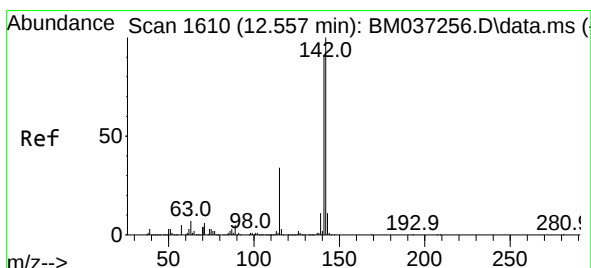
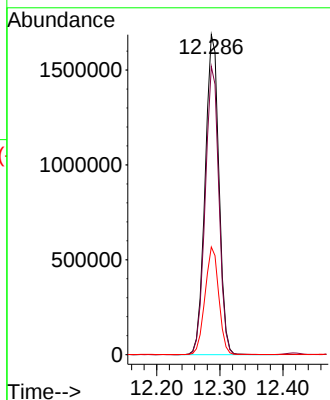
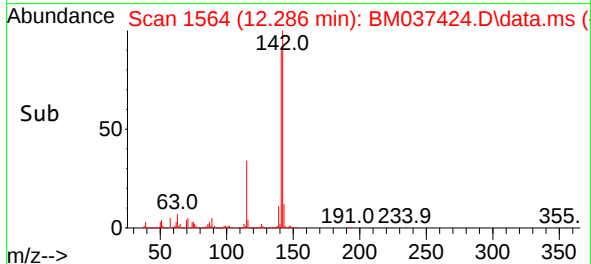
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



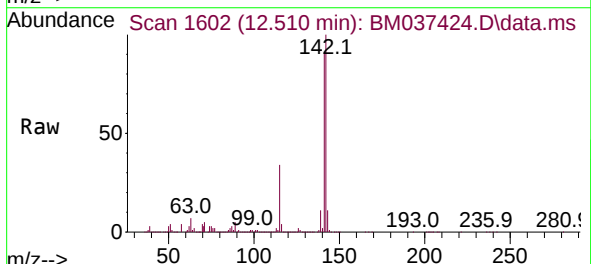
Tgt Ion:142 Resp: 2557196
Ion Ratio Lower Upper
142 100
141 90.0 71.3 106.9
115 33.6 26.0 39.0

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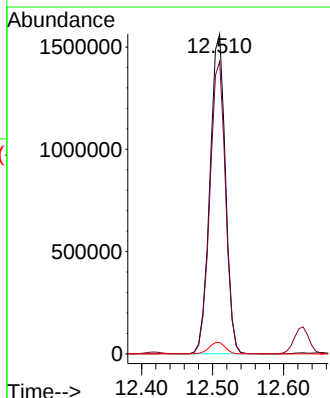
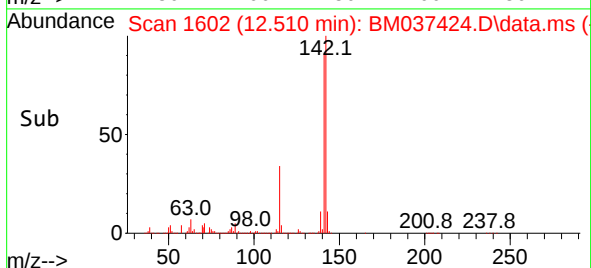
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

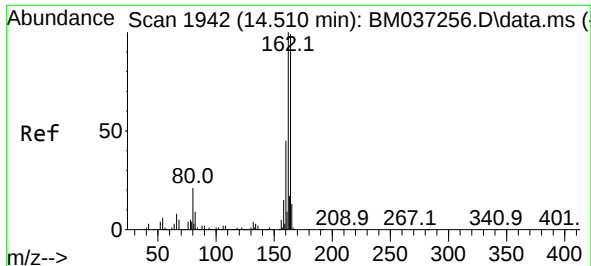


#38
1-Methylnaphthalene
Concen: 42.410 ng
RT: 12.510 min Scan# 1602
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



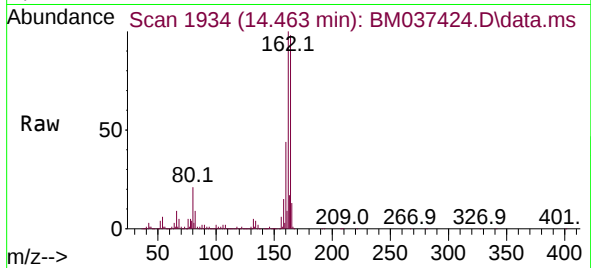
Tgt Ion:142 Resp: 2373465
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.6
116 3.6 2.8 4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

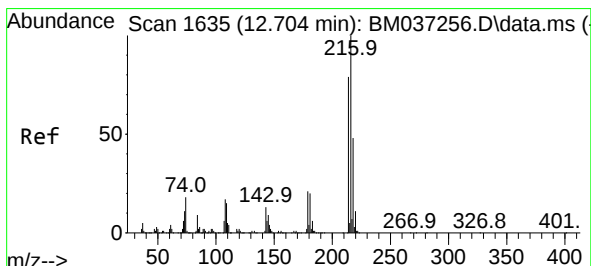
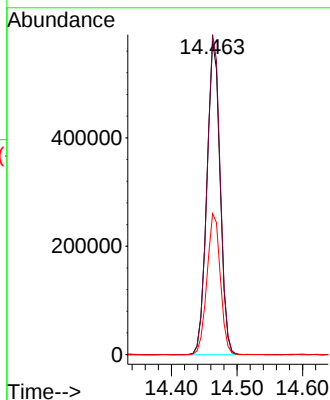
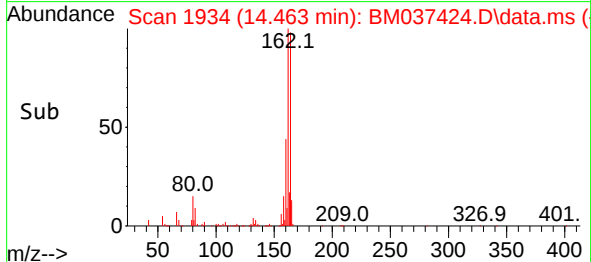
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



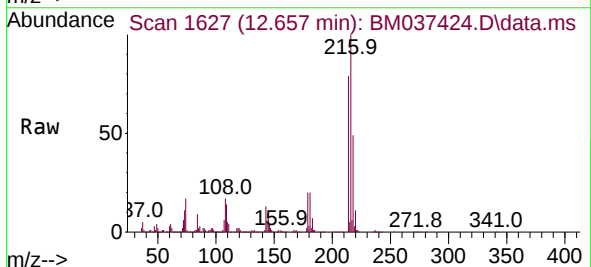
Tgt Ion:164 Resp: 807334
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.0 36.2 54.4

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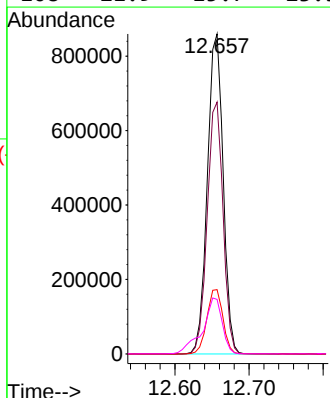
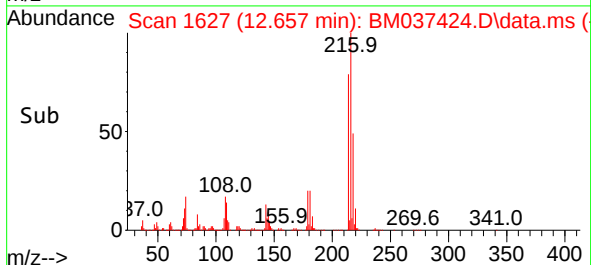
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

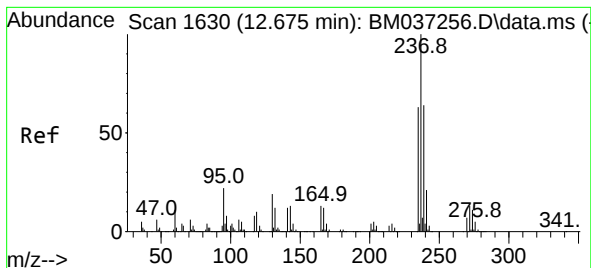


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.327 ng
RT: 12.657 min Scan# 1627
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



Tgt Ion:216 Resp: 1270202
Ion Ratio Lower Upper
216 100
214 78.9 63.1 94.7
179 20.5 16.8 25.2
108 21.9 15.7 23.5





#41

Hexachlorocyclopentadiene

Concen: 133.570 ng

RT: 12.627 min Scan# 10

Delta R.T. 0.006 min

Lab File: BM037424.D

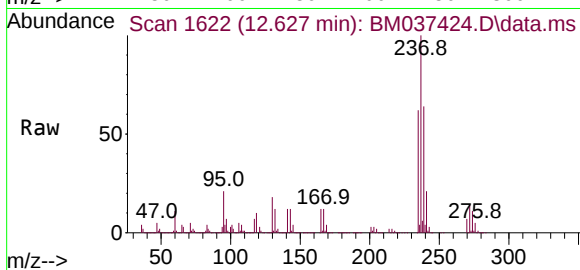
Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS



Tgt Ion:237 Resp: 1544786

Ion Ratio Lower Upper

237 100

235 62.1 42.9 82.9

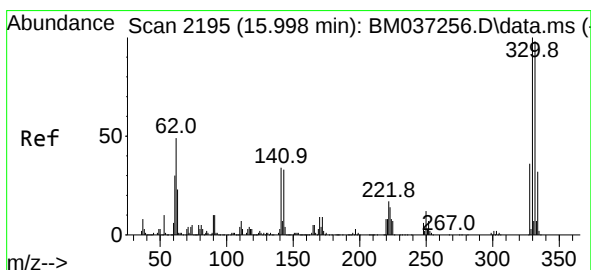
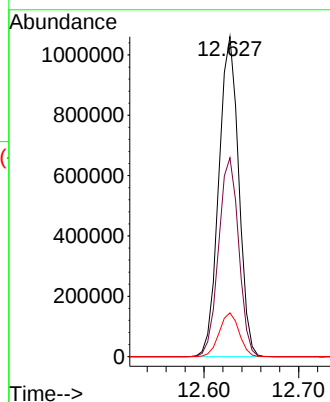
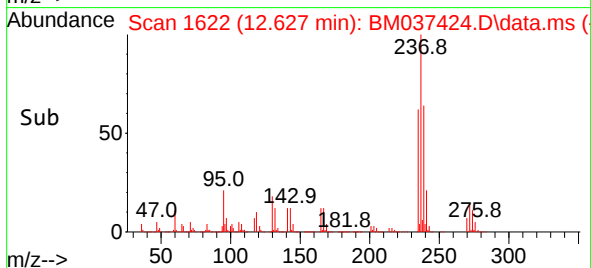
272 13.7 0.0 33.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#42

2,4,6-Tribromophenol

Concen: 110.435 ng

RT: 15.957 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

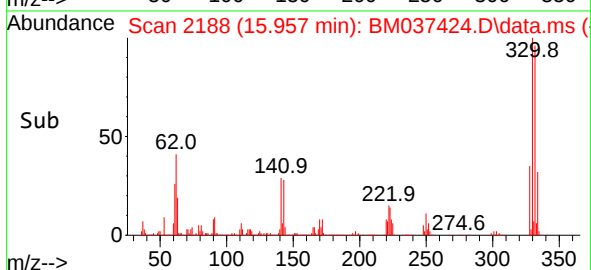
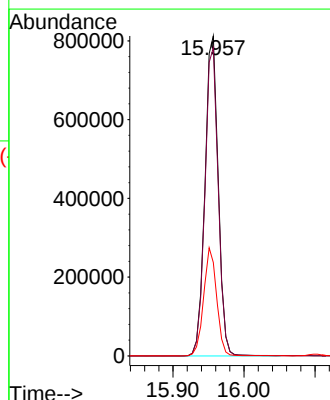
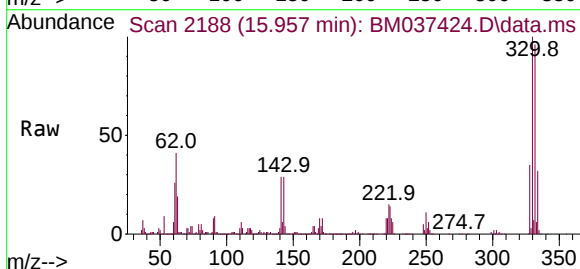
Tgt Ion:330 Resp: 1050699

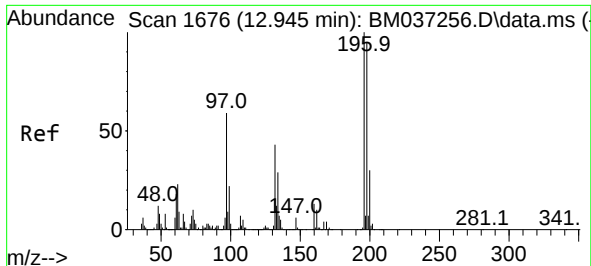
Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

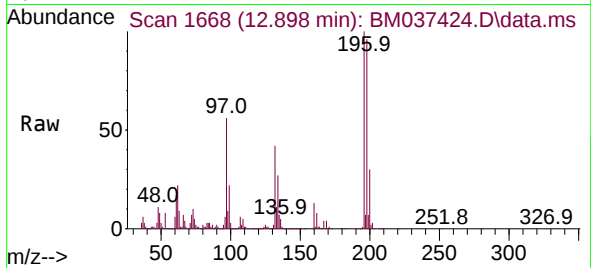
141 33.2 27.5 41.3





#43
2,4,6-Trichlorophenol
Concen: 50.201 ng
RT: 12.898 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

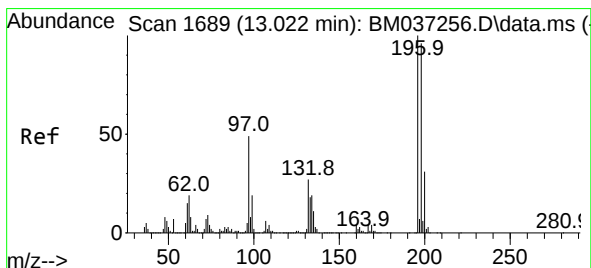
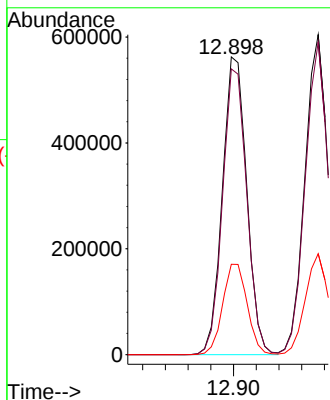
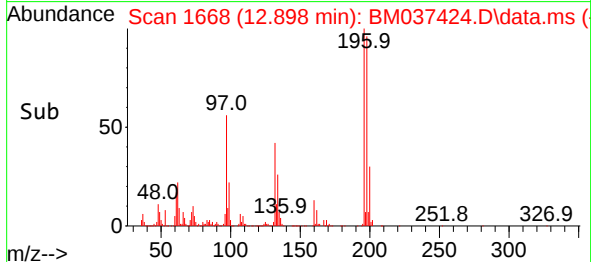
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



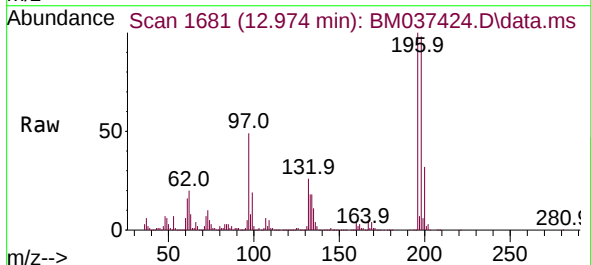
Tgt Ion:196 Resp: 838882
Ion Ratio Lower Upper
196 100
198 96.0 76.1 114.1
200 30.3 24.4 36.6

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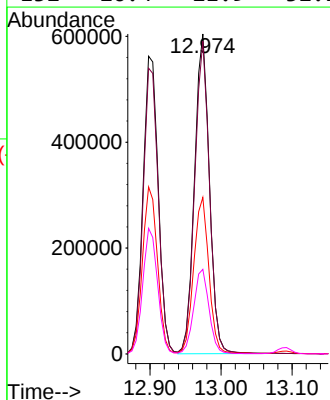
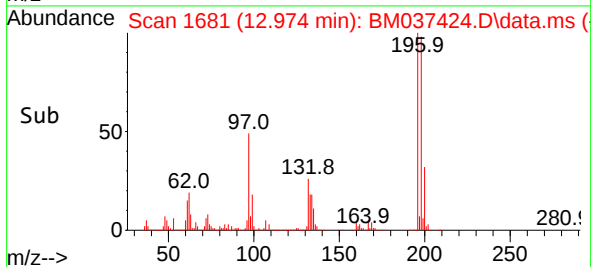
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

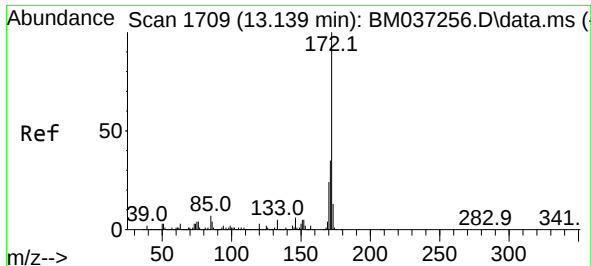


#44
2,4,5-Trichlorophenol
Concen: 47.608 ng
RT: 12.974 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



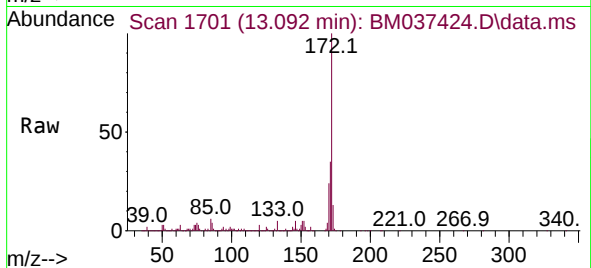
Tgt Ion:196 Resp: 877581
Ion Ratio Lower Upper
196 100
198 97.7 77.0 115.6
97 48.9 39.4 59.2
132 26.4 21.9 32.9





#45
2-Fluorobiphenyl
Concen: 58.561 ng
RT: 13.092 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

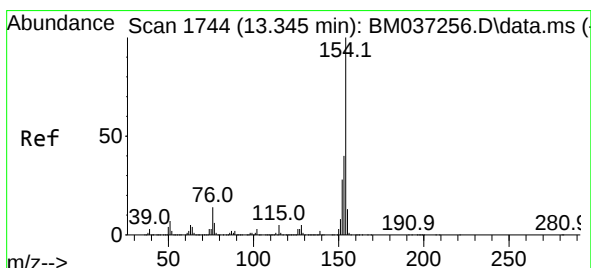
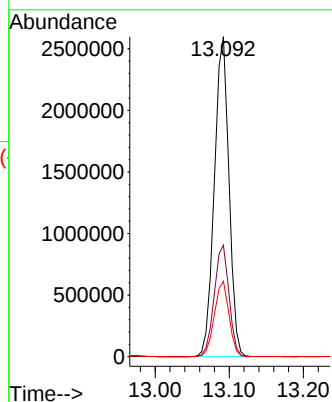
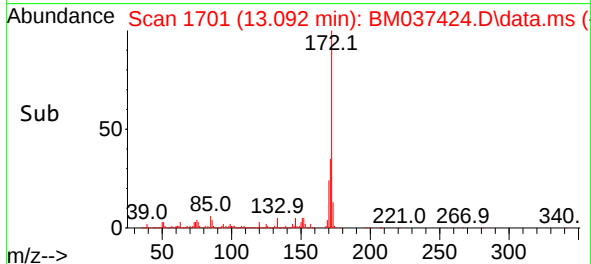
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



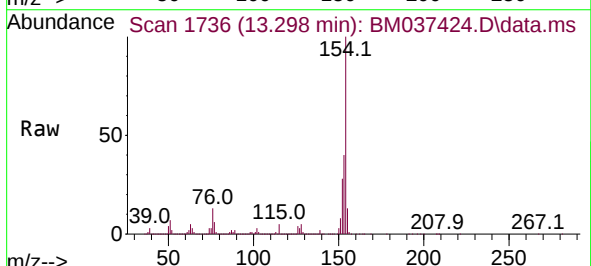
Tgt Ion:172 Resp: 355824
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.6 19.0 28.4

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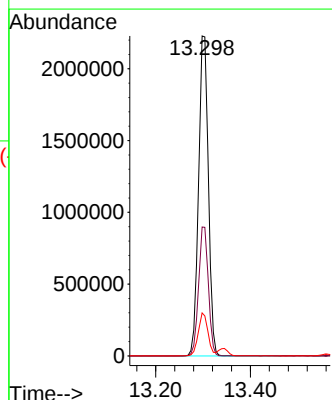
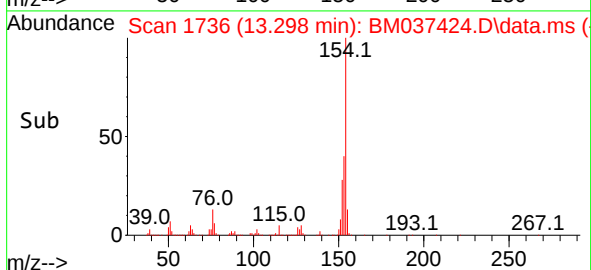
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

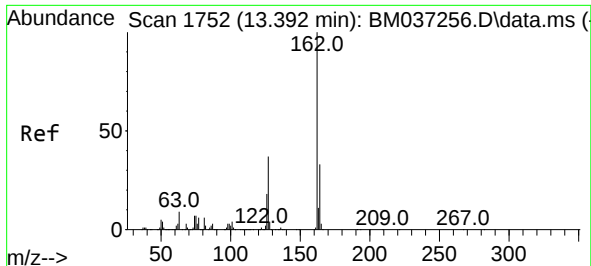


#46
1,1'-Biphenyl
Concen: 49.061 ng
RT: 13.298 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



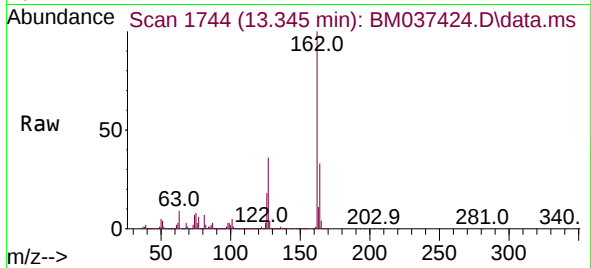
Tgt Ion:154 Resp: 3196355
Ion Ratio Lower Upper
154 100
153 40.3 20.3 60.3
76 13.4 0.0 33.7





#47
2-Chloronaphthalene
Concen: 46.859 ng
RT: 13.345 min Scan# 1752
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

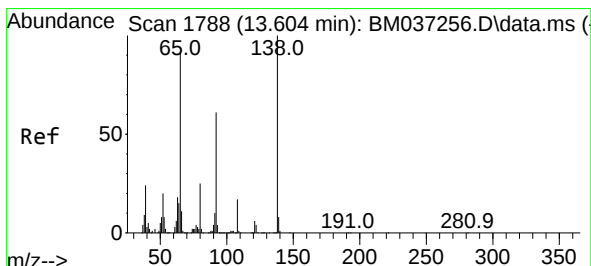
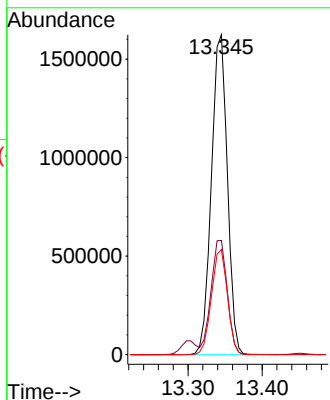
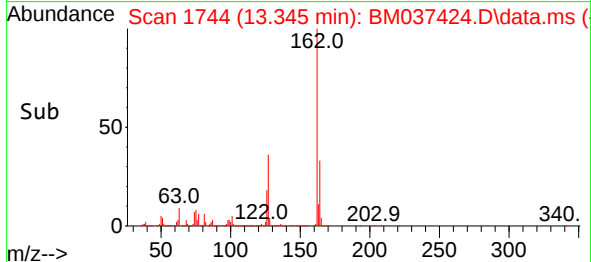
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:162 Resp: 242943
Ion Ratio Lower Upper
162 100
127 35.7 29.5 44.3
164 32.8 26.3 39.5

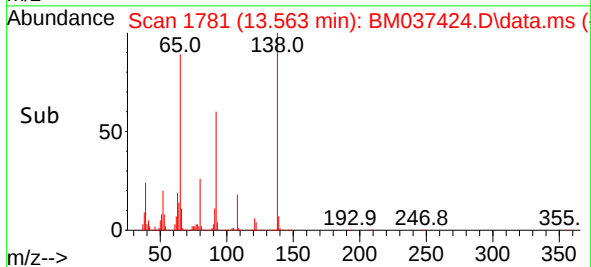
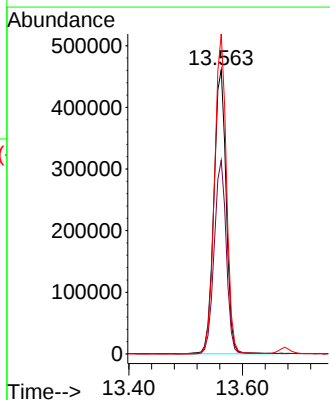
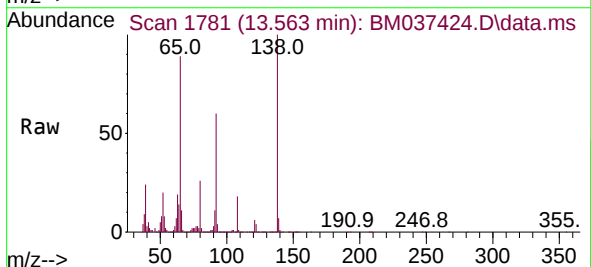
Manual Integrations
APPROVED

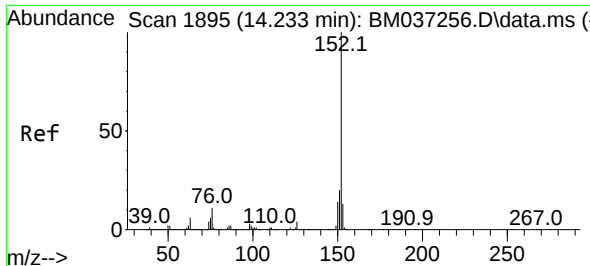
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#48
2-Nitroaniline
Concen: 46.069 ng
RT: 13.563 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

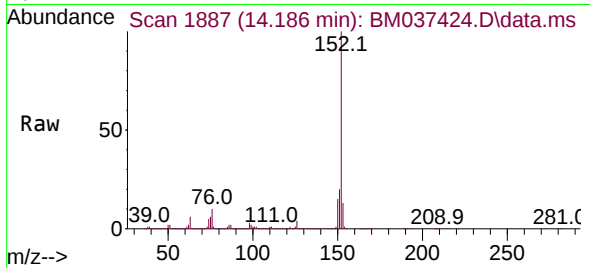
Tgt Ion: 65 Resp: 690228
Ion Ratio Lower Upper
65 100
92 68.1 53.7 80.5
138 112.6 87.4 131.2





#49
Acenaphthylene
Concen: 45.722 ng
RT: 14.186 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

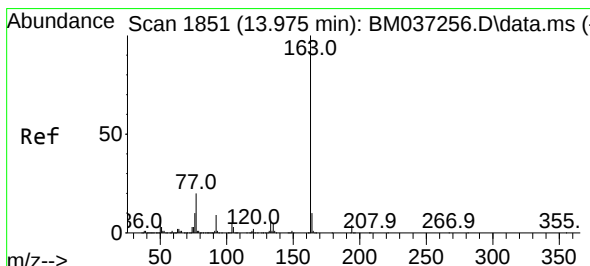
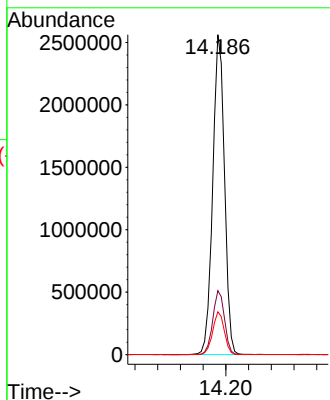
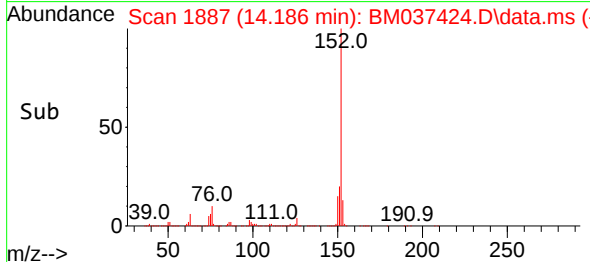
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



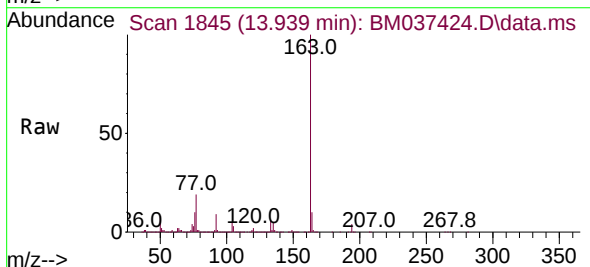
Tgt Ion:152 Resp: 3679782
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.4 10.6 15.8

Manual Integrations
APPROVED

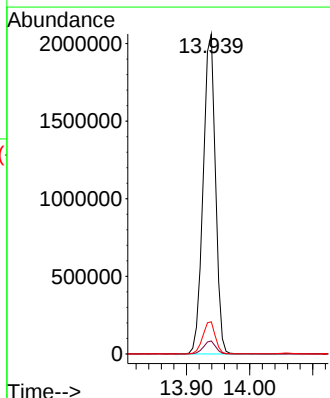
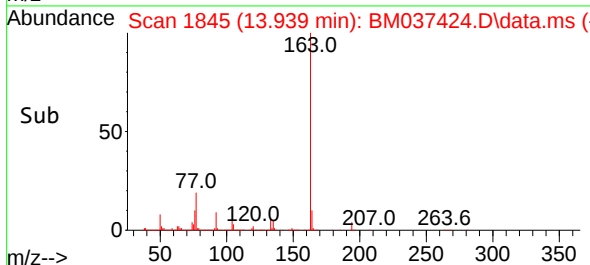
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

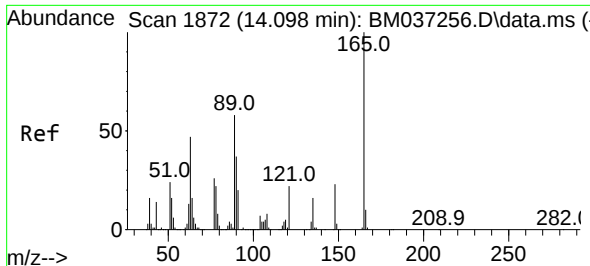


#50
Dimethylphthalate
Concen: 45.043 ng
RT: 13.939 min Scan# 1845
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



Tgt Ion:163 Resp: 2777603
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.0 8.2 12.2





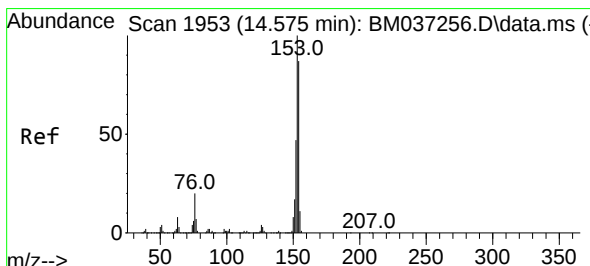
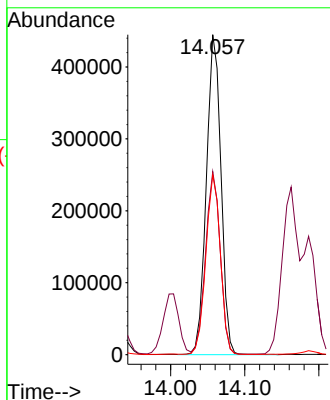
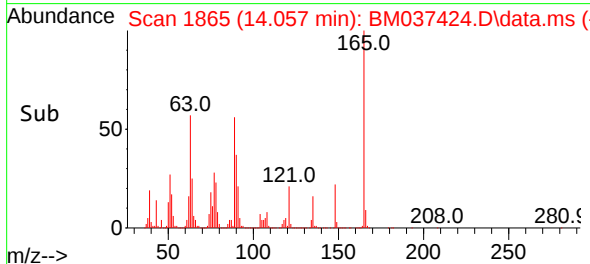
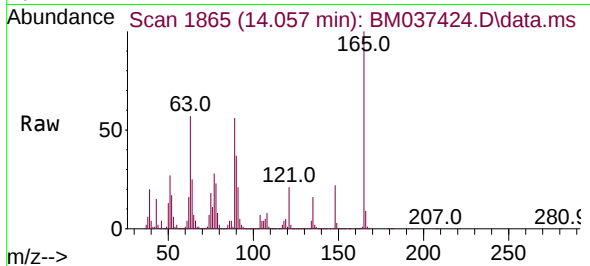
#51
2,6-Dinitrotoluene
Concen: 46.578 ng
RT: 14.057 min Scan# 1872
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion:165 Resp: 608256
Ion Ratio Lower Upper
165 100
63 57.2 46.2 69.2
89 56.2 46.6 69.8

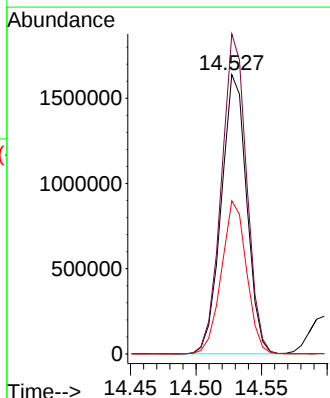
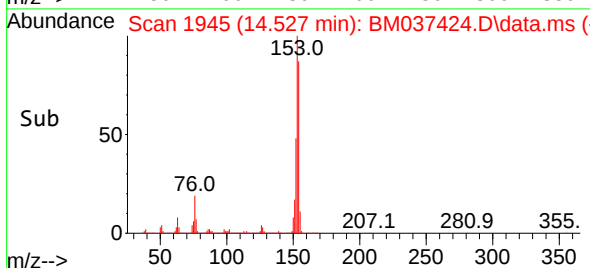
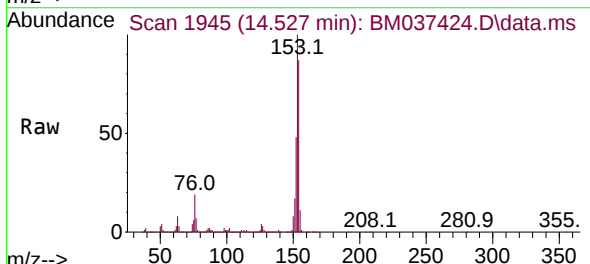
Manual Integrations
APPROVED

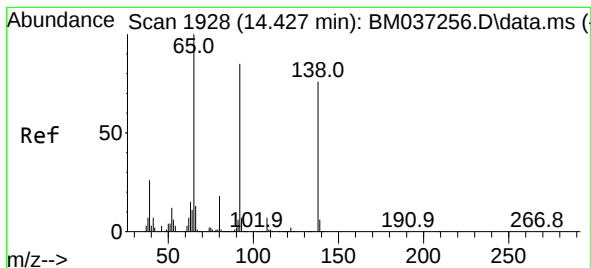
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#52
Acenaphthene
Concen: 44.467 ng
RT: 14.527 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

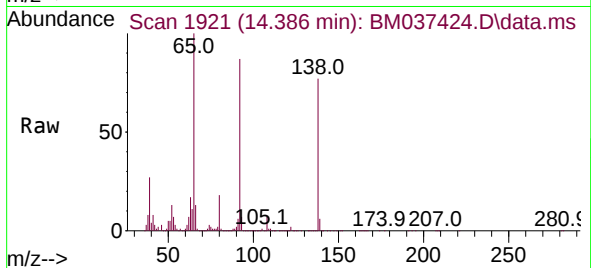
Tgt Ion:154 Resp: 2212499
Ion Ratio Lower Upper
154 100
153 114.6 91.5 137.3
152 54.8 43.0 64.6





#53
3-Nitroaniline
Concen: 33.581 ng
RT: 14.386 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

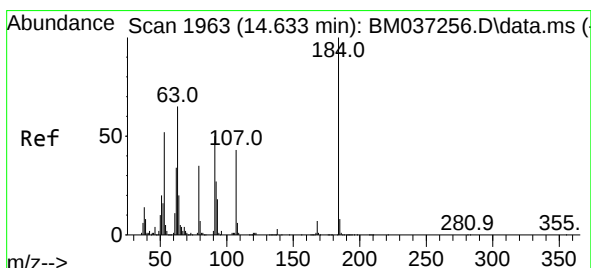
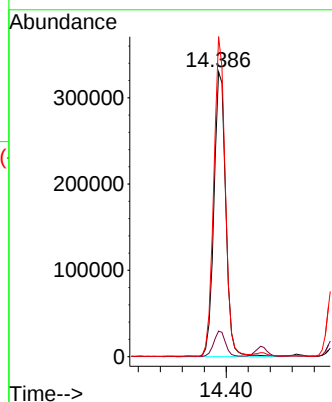
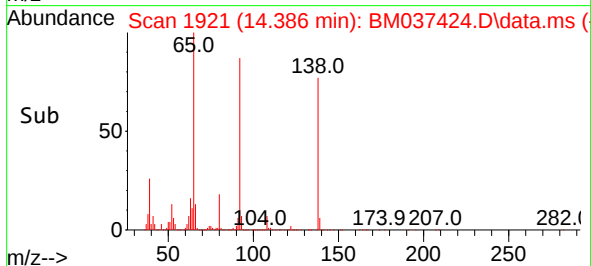
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:138 Resp: 489919
Ion Ratio Lower Upper
138 100
108 9.0 7.3 10.9
92 112.4 89.8 134.8

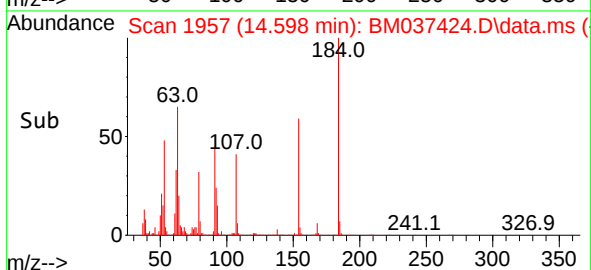
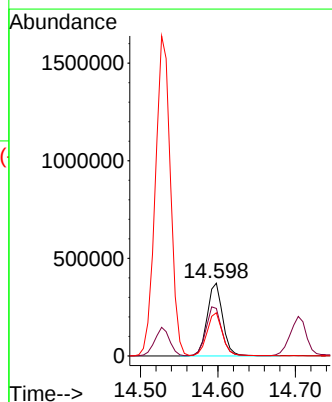
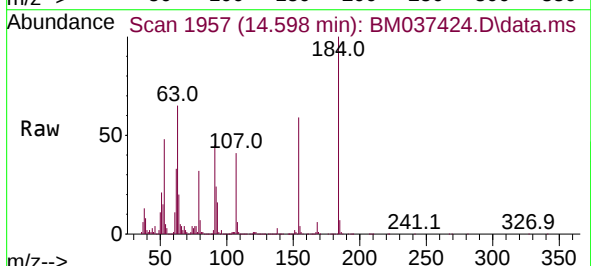
Manual Integrations
APPROVED

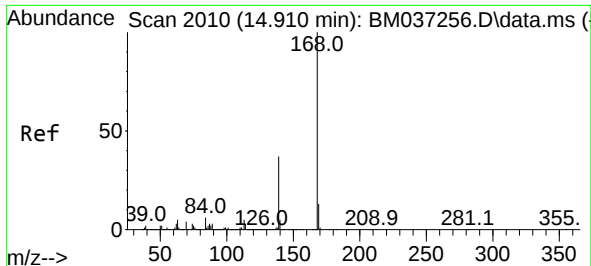
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#54
2,4-Dinitrophenol
Concen: 61.520 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

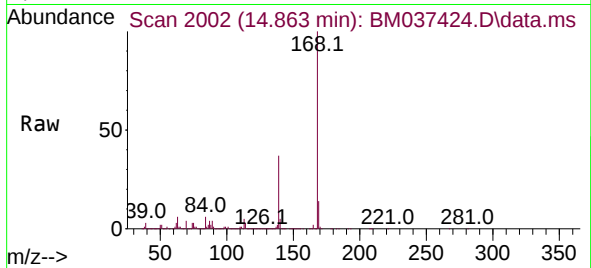
Tgt Ion:184 Resp: 515062
Ion Ratio Lower Upper
184 100
63 65.3 57.7 86.5
154 59.3 48.3 72.5





#55
Dibenzenofuran
Concen: 44.308 ng
RT: 14.863 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

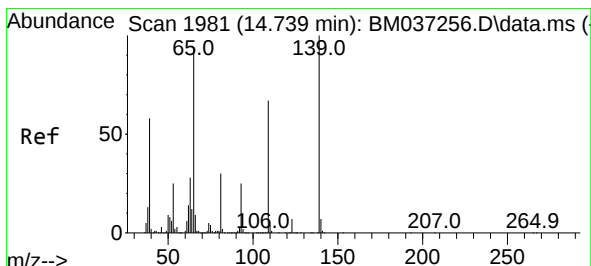
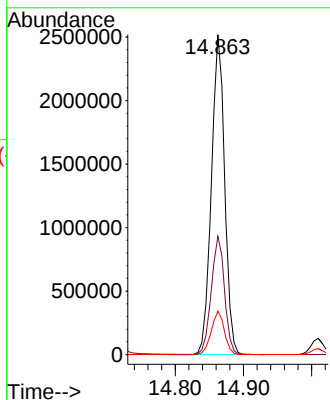
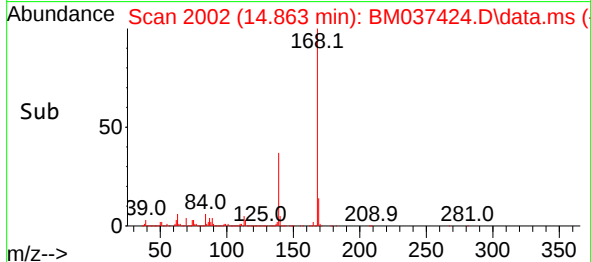
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:168 Resp: 3395534
Ion Ratio Lower Upper
168 100
139 37.0 29.3 43.9
169 13.6 10.6 16.0

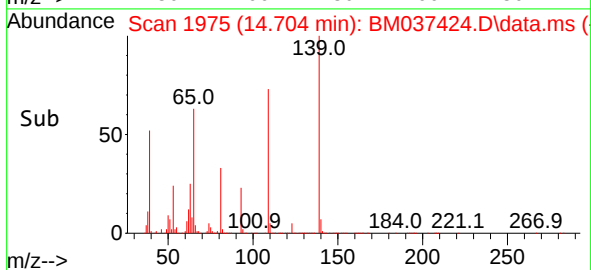
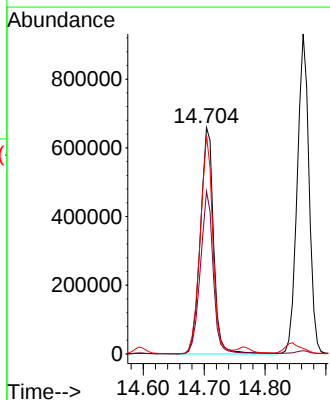
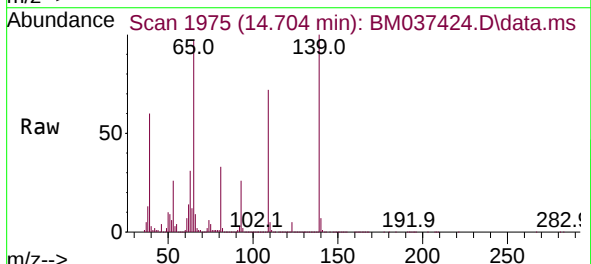
Manual Integrations
APPROVED

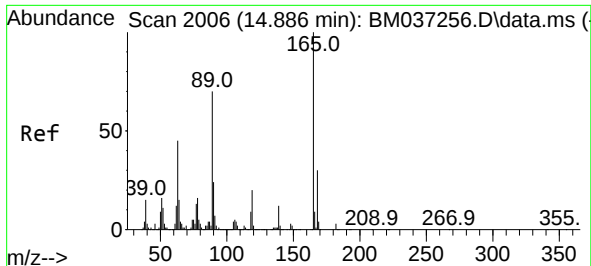
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#56
4-Nitrophenol
Concen: 85.070 ng
RT: 14.704 min Scan# 1975
Delta R.T. 0.006 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

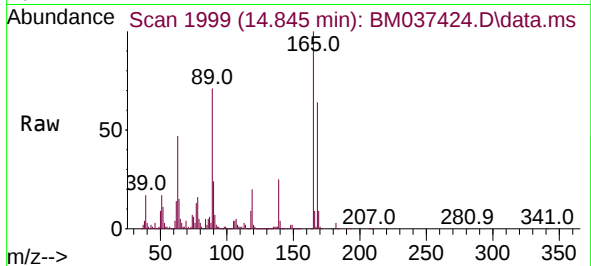
Tgt Ion:139 Resp: 990082
Ion Ratio Lower Upper
139 100
109 71.8 47.4 87.4
65 96.6 73.8 113.8





#57
2,4-Dinitrotoluene
Concen: 46.143 ng
RT: 14.845 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

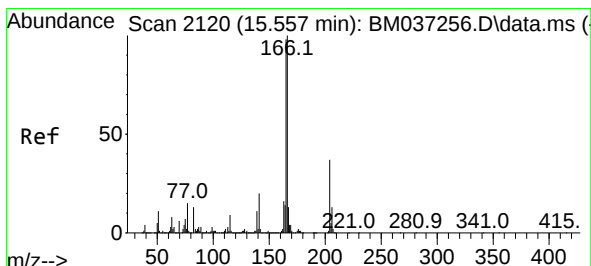
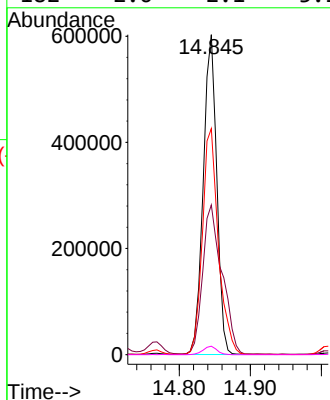
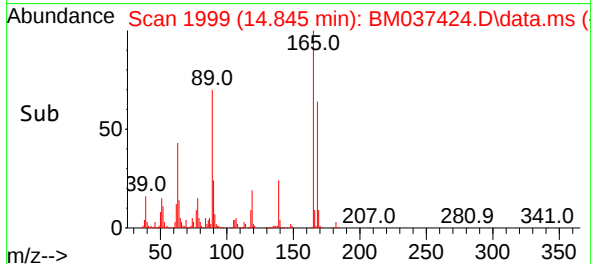
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



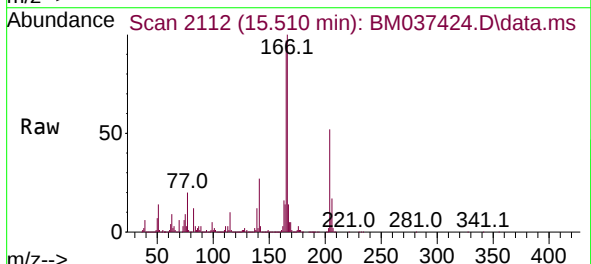
Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.8	36.3	54.5
89	70.6	56.3	84.5
182	2.6	2.1	3.1

Manual Integrations
APPROVED

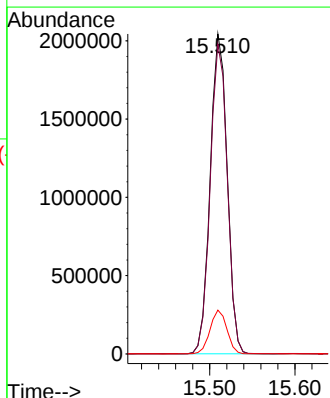
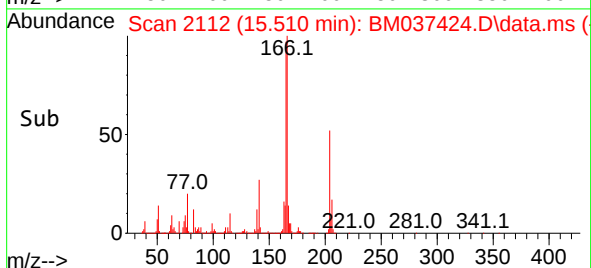
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

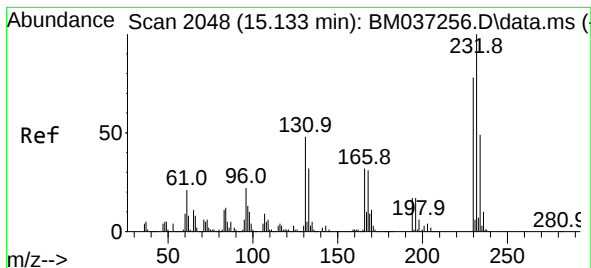


#58
Fluorene
Concen: 44.327 ng
RT: 15.510 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.2	117.4
167	13.7	10.6	15.8





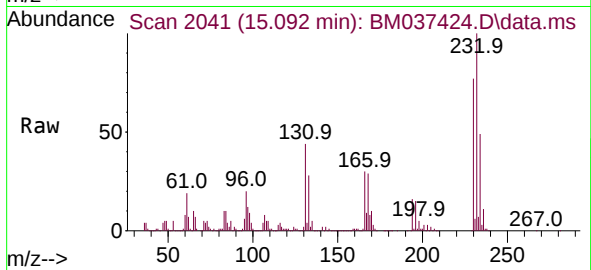
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.616 ng
RT: 15.092 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

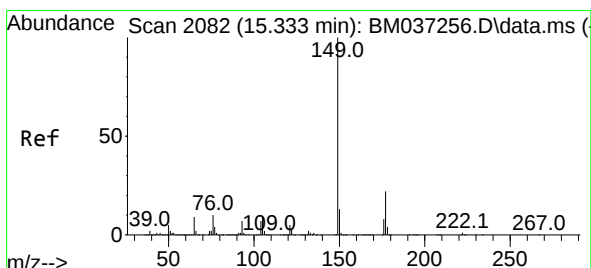
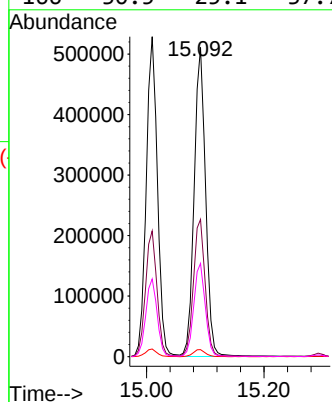
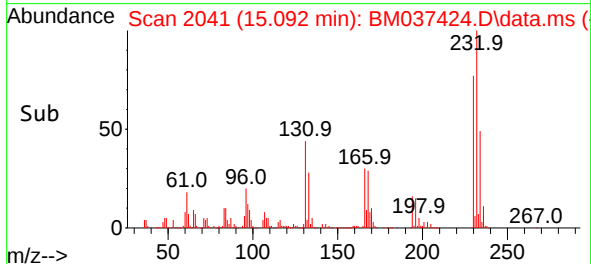


Tgt Ion:232 Resp: 689339
Ion Ratio Lower Upper
232 100
131 45.1 37.8 56.8
130 2.4 1.9 2.9
166 30.5 25.1 37.7

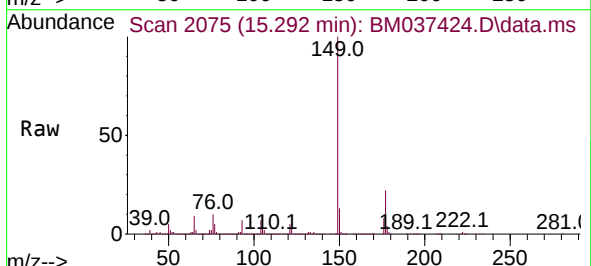
Manual Integrations

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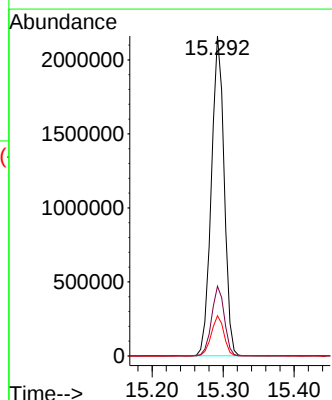
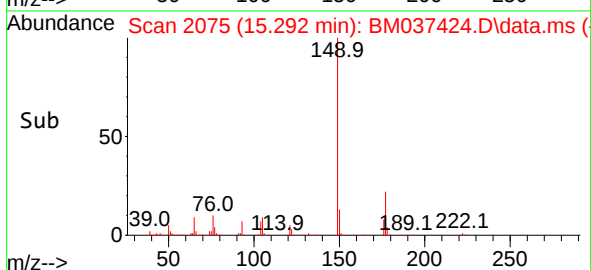
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

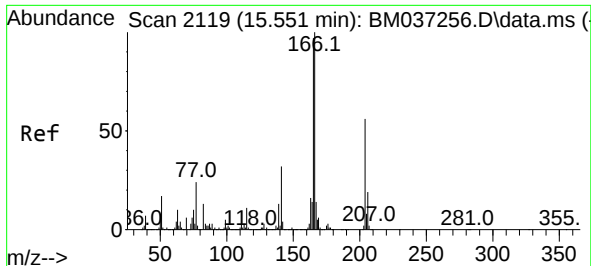


#60
Diethylphthalate
Concen: 45.169 ng
RT: 15.292 min Scan# 2075
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



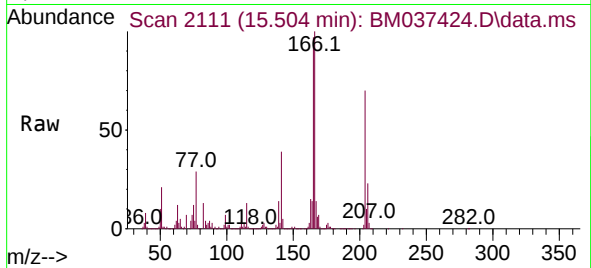
Tgt Ion:149 Resp: 2707202
Ion Ratio Lower Upper
149 100
177 21.8 17.4 26.0
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 48.030 ng
RT: 15.504 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

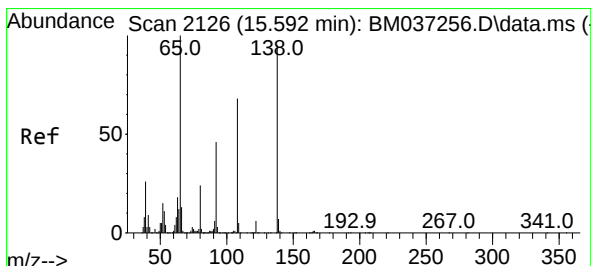
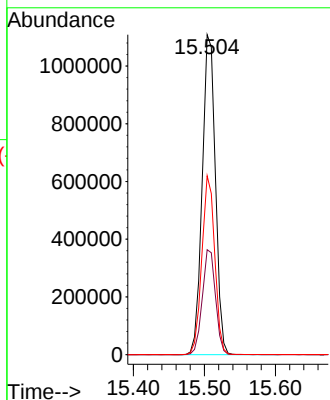
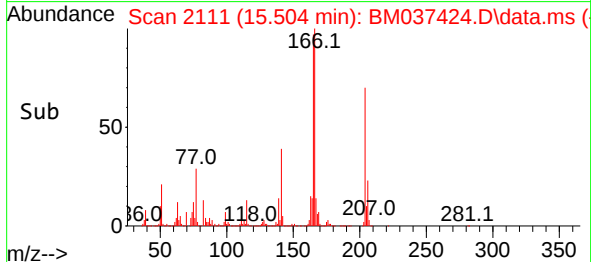
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:204 Resp: 1421415
Ion Ratio Lower Upper
204 100
206 32.8 26.6 39.8
141 55.9 45.2 67.8

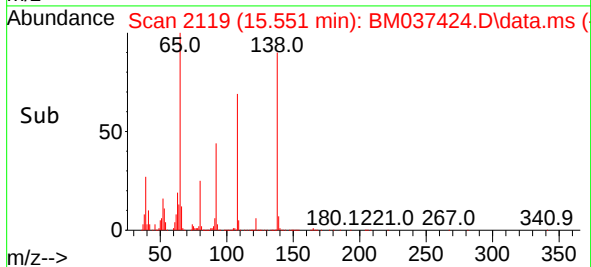
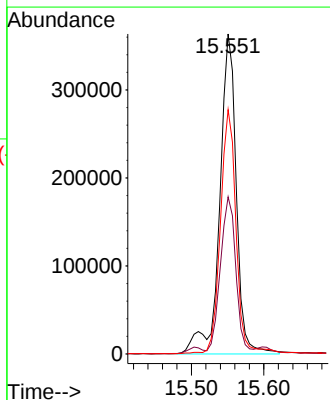
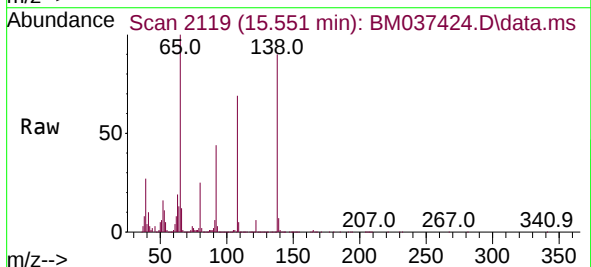
Manual Integrations
APPROVED

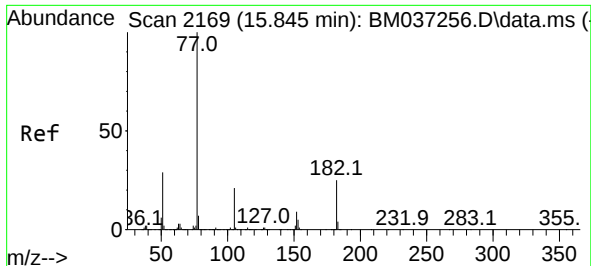
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#62
4-Nitroaniline
Concen: 39.659 ng m
RT: 15.551 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

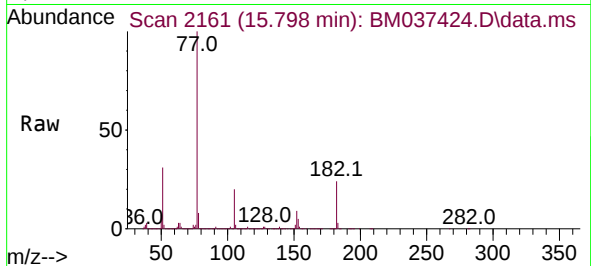
Tgt Ion:138 Resp: 580273
Ion Ratio Lower Upper
138 100
92 49.1 28.1 68.1
108 76.3 51.3 91.3





#63
Azobenzene
Concen: 44.353 ng
RT: 15.798 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

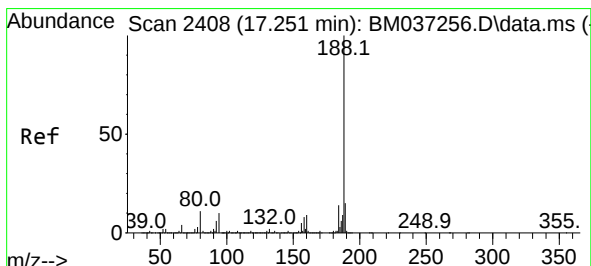
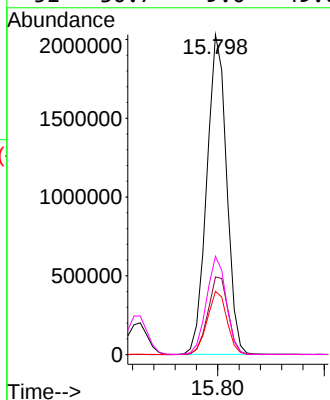
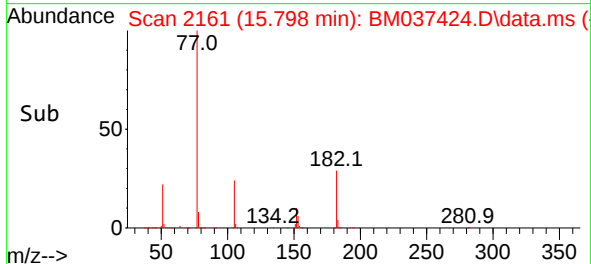
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



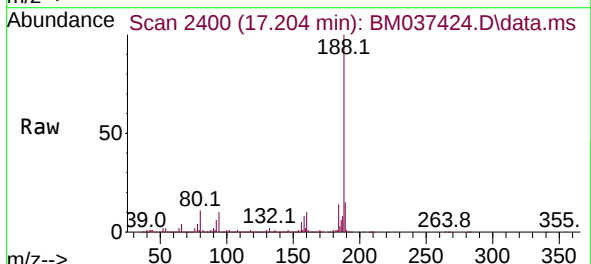
Tgt Ion: 77 Resp: 2618763
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 19.8 0.5 40.5
51 30.7 9.0 49.0

Manual Integrations
APPROVED

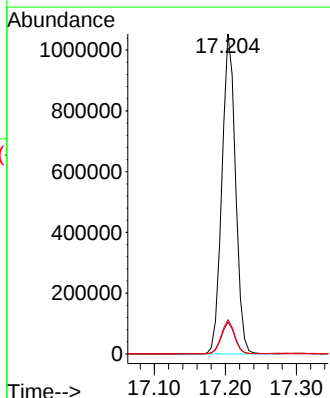
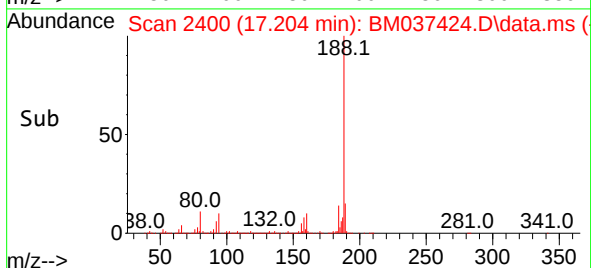
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

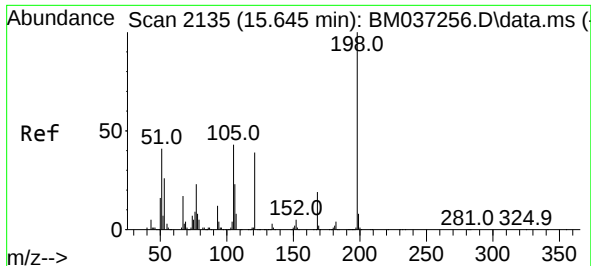


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



Tgt Ion:188 Resp: 1407398
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.7 8.5 12.7





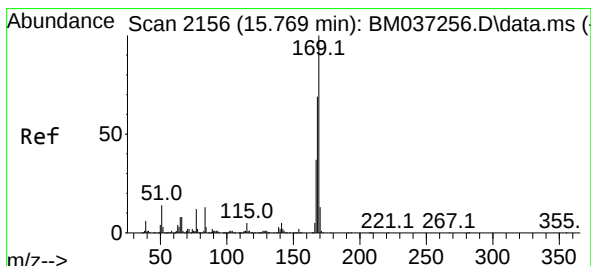
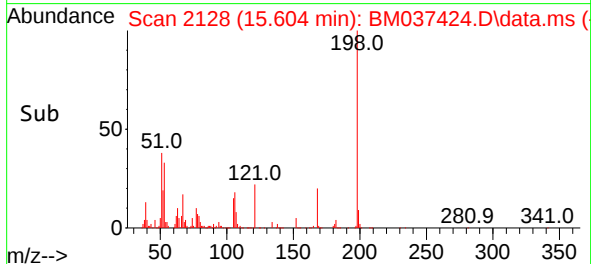
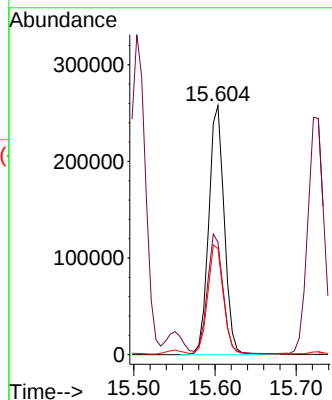
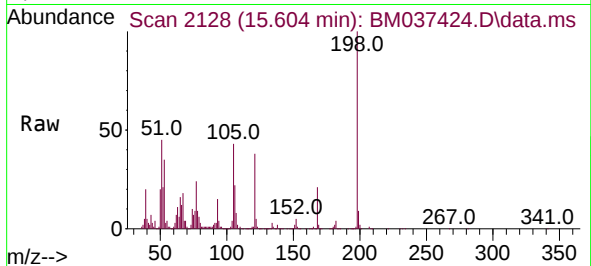
#65
4,6-Dinitro-2-methylphenol
Concen: 36.252 ng
RT: 15.604 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion:198 Resp: 342483
Ion Ratio Lower Upper
198 100
51 45.1 26.8 66.8
105 42.6 24.1 64.1

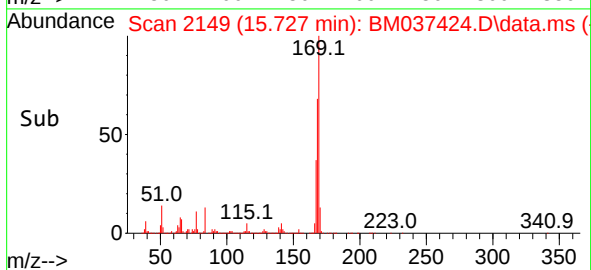
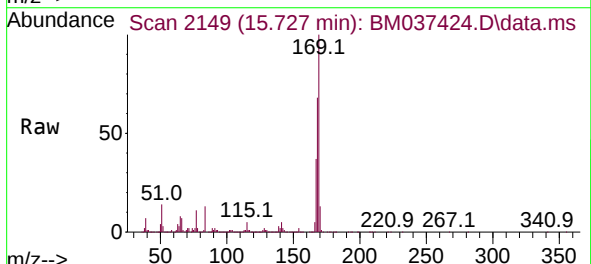
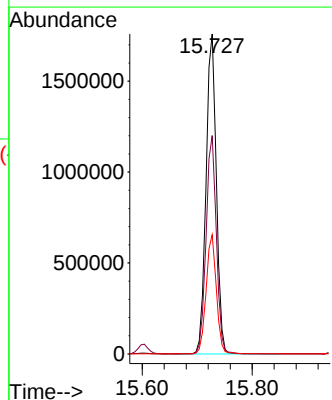
Manual Integrations
APPROVED

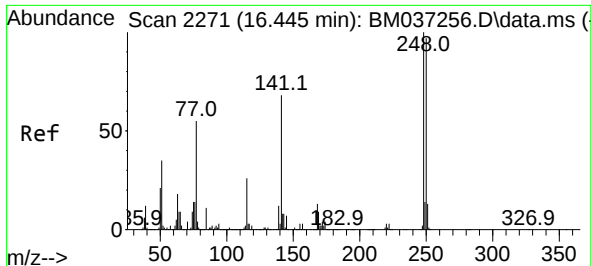
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#66
n-Nitrosodiphenylamine
Concen: 48.087 ng
RT: 15.727 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

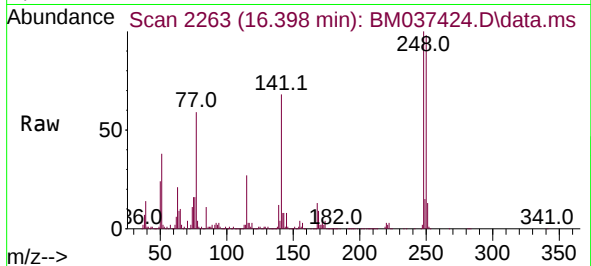
Tgt Ion:169 Resp: 2287569
Ion Ratio Lower Upper
169 100
168 68.2 54.8 82.2
167 37.2 29.5 44.3





#67
4-Bromophenyl-phenylether
Concen: 51.101 ng
RT: 16.398 min Scan# 221
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

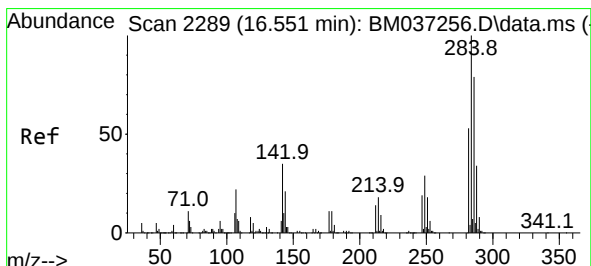
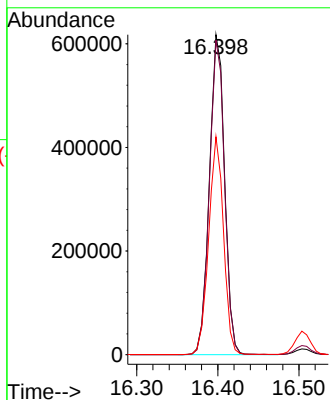
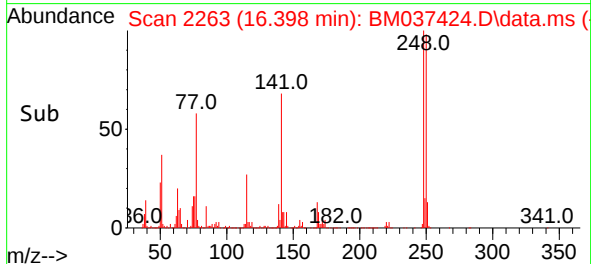
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:248 Resp: 807066
Ion Ratio Lower Upper
248 100
250 98.3 77.8 116.6
141 68.1 54.2 81.2

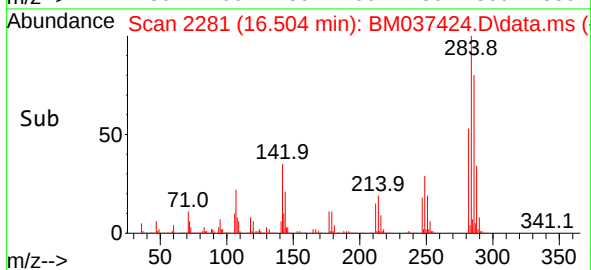
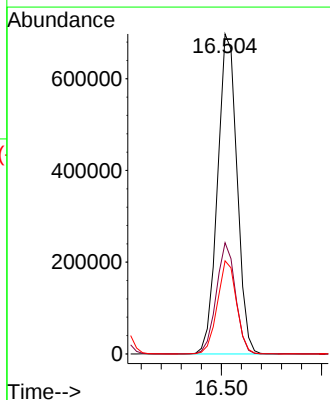
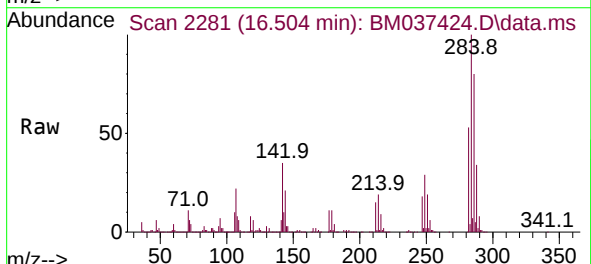
Manual Integrations
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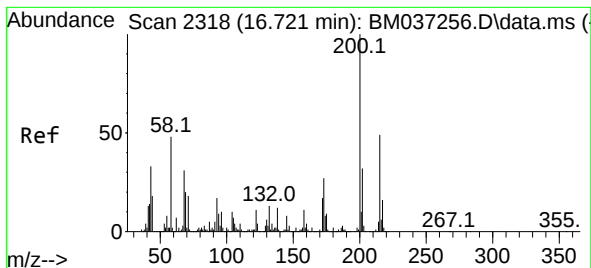
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#68
Hexachlorobenzene
Concen: 49.268 ng
RT: 16.504 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:284 Resp: 941675
Ion Ratio Lower Upper
284 100
142 34.7 28.2 42.4
249 29.1 23.1 34.7





#69

Atrazine

Concen: 58.070 ng

RT: 16.680 min Scan# 2311

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

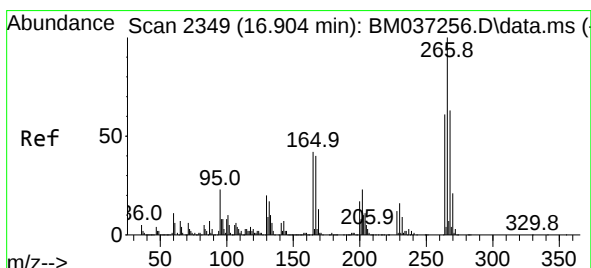
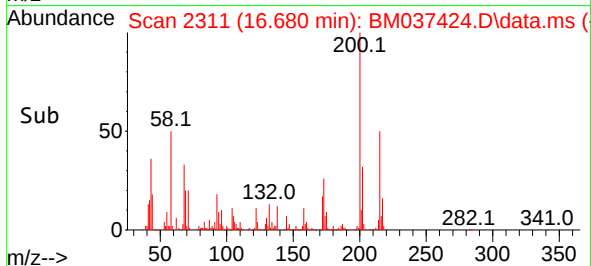
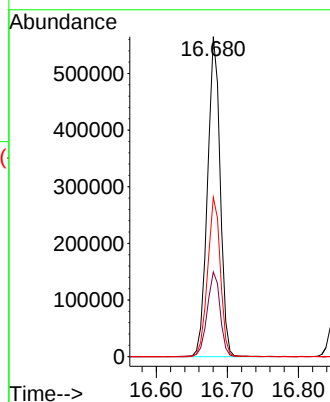
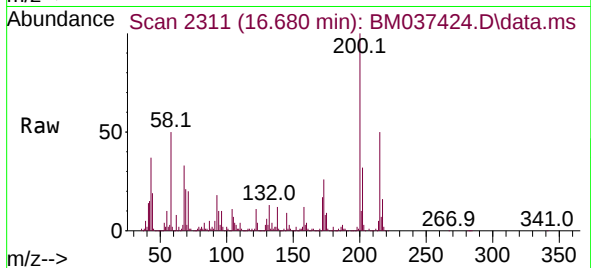
Tgt Ion:200 Resp: 695073
 Ion Ratio Lower Upper
 200 100
 173 26.5 6.8 46.8
 215 49.8 28.5 68.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#70

Pentachlorophenol

Concen: 93.485 ng

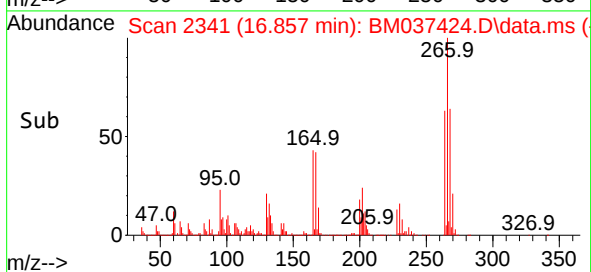
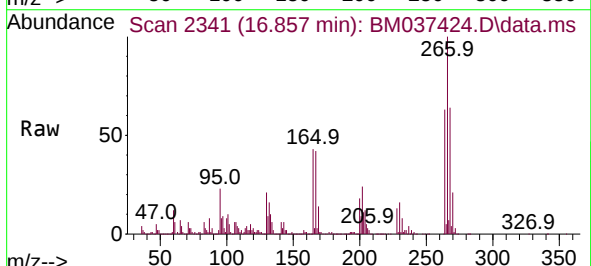
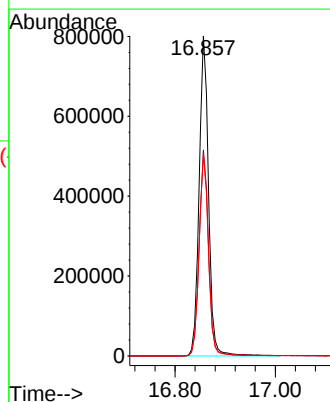
RT: 16.857 min Scan# 2341

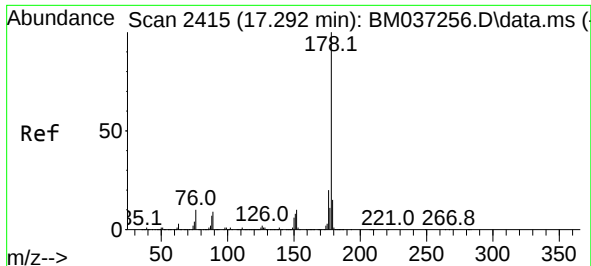
Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

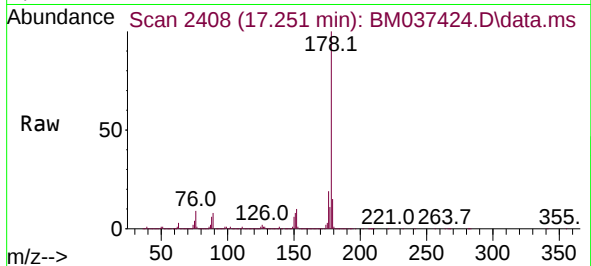
Tgt Ion:266 Resp: 1039721
 Ion Ratio Lower Upper
 266 100
 268 64.4 50.7 76.1
 264 63.1 49.1 73.7





#71
Phenanthrene
Concen: 43.980 ng
RT: 17.251 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

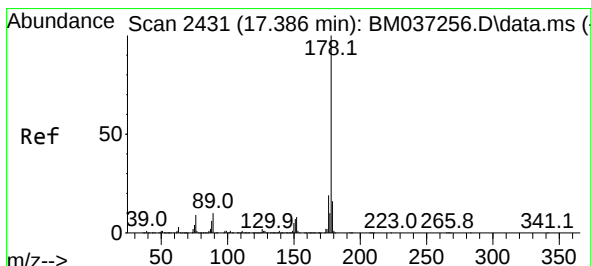
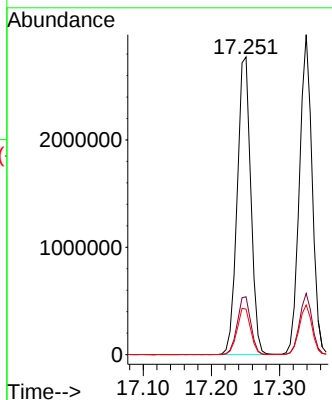
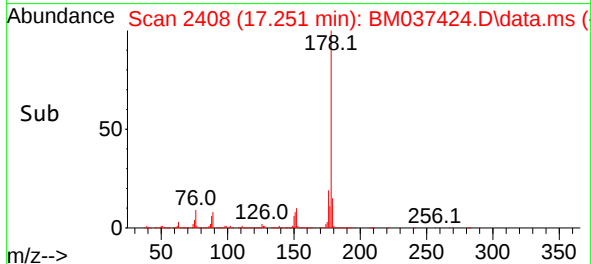
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



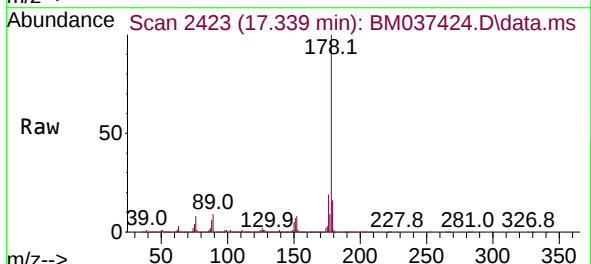
Tgt Ion:178 Resp: 3840220
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.4 18.6

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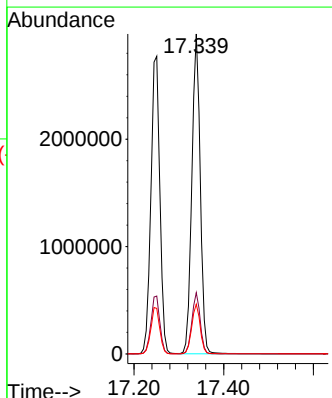
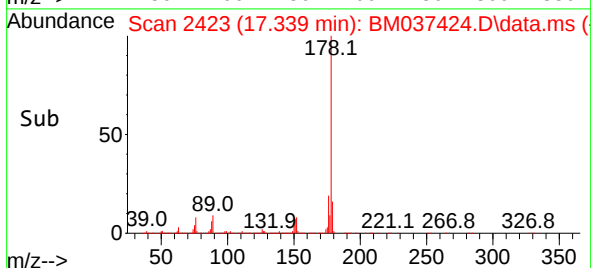
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

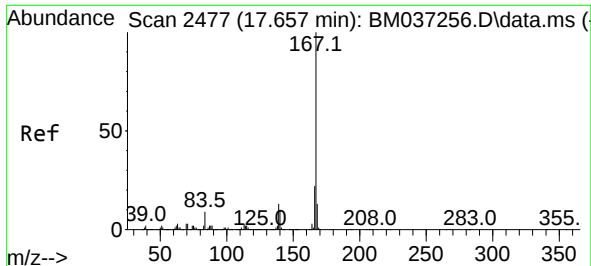


#72
Anthracene
Concen: 46.945 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17



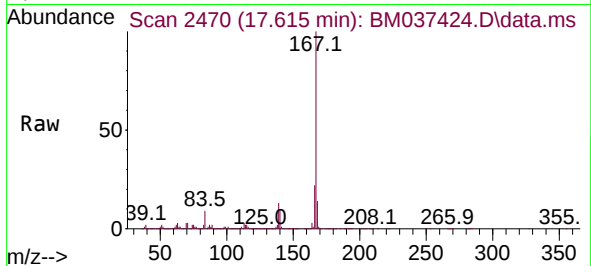
Tgt Ion:178 Resp: 3880572
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 44.316 ng
 RT: 17.615 min Scan# 2477
 Delta R.T. 0.000 min
 Lab File: BM037424.D
 Acq: 08 Nov 2022 12:17

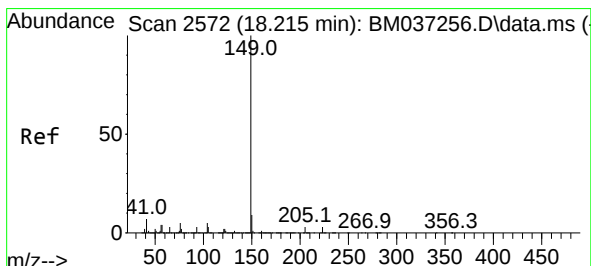
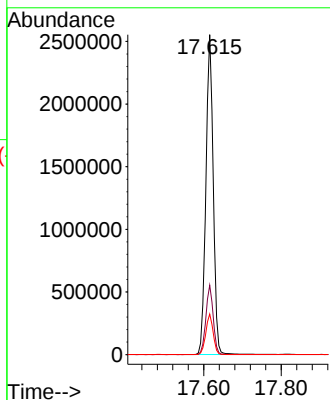
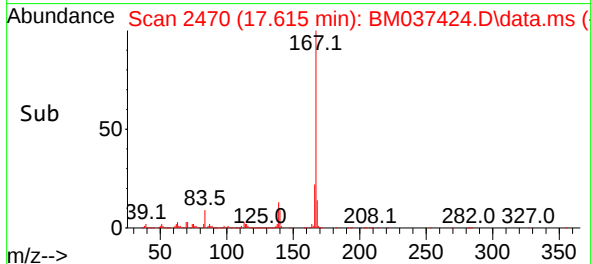
Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MS



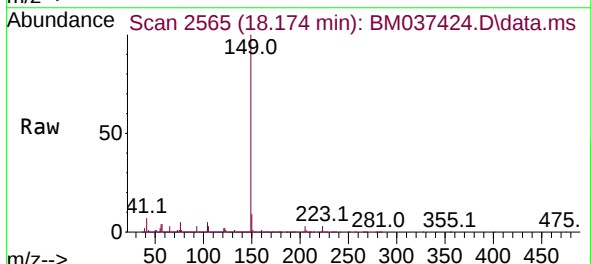
Tgt Ion:167 Resp: 3360279
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 12.7 10.4 15.6

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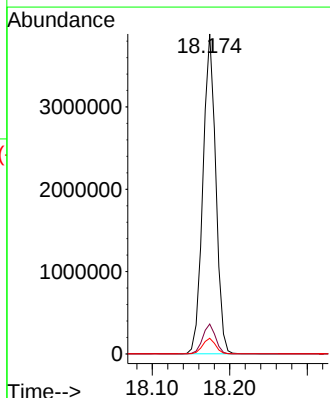
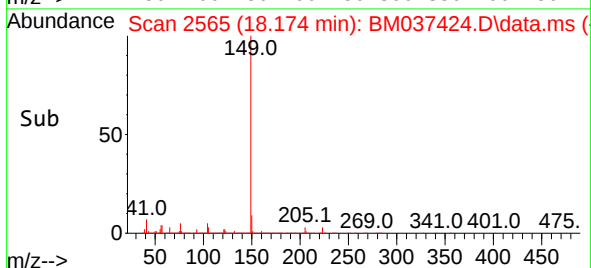
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

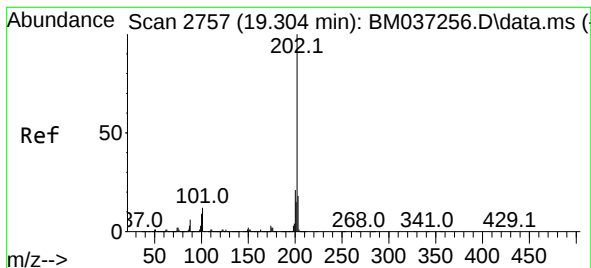


#74
 Di-n-butylphthalate
 Concen: 53.342 ng
 RT: 18.174 min Scan# 2565
 Delta R.T. 0.000 min
 Lab File: BM037424.D
 Acq: 08 Nov 2022 12:17



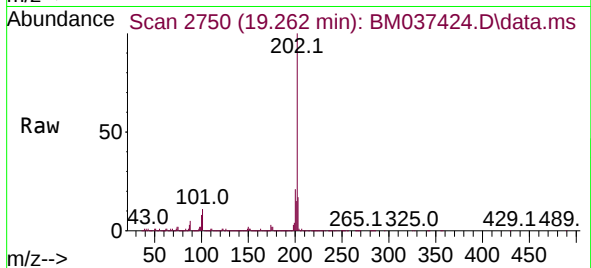
Tgt Ion:149 Resp: 4466130
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 4.9 4.0 6.0





#75
Fluoranthene
Concen: 42.631 ng
RT: 19.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

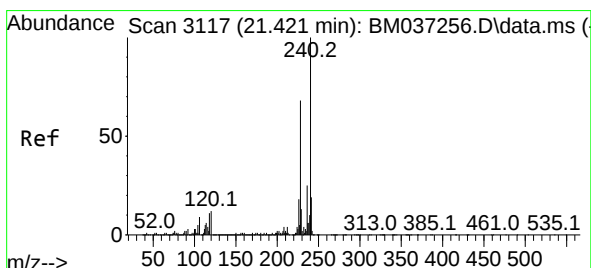
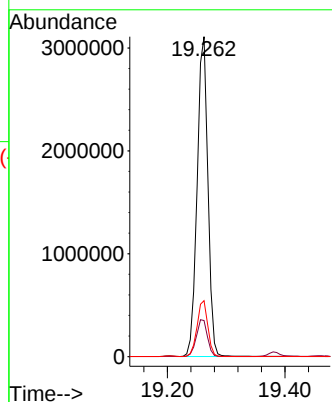
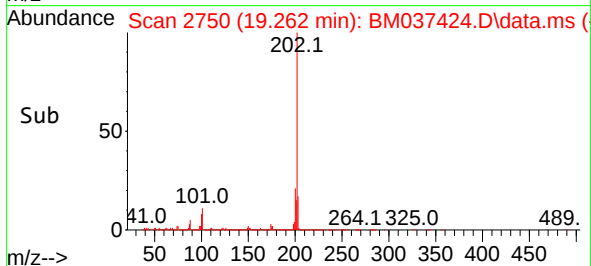
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:202 Resp: 3934826
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.4
203 17.5 0.0 37.8

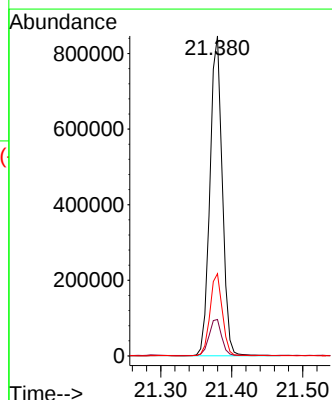
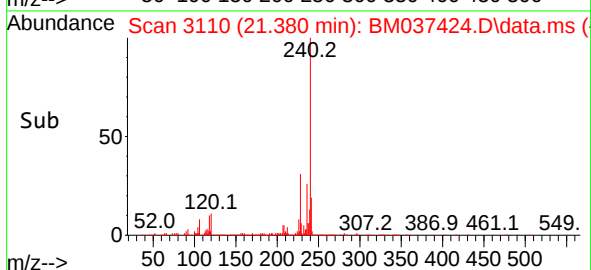
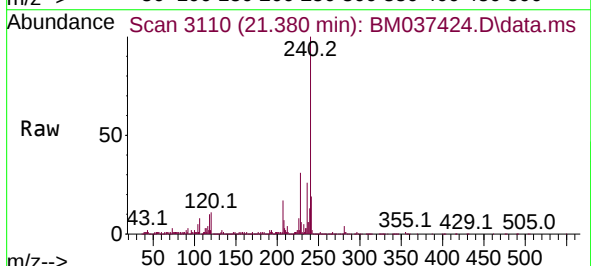
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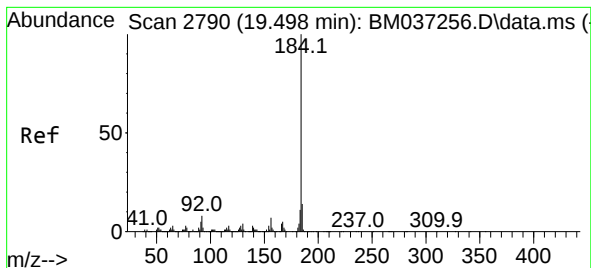
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:240 Resp: 1015907
Ion Ratio Lower Upper
240 100
120 11.4 9.9 14.9
236 25.7 20.3 30.5





#77

Benzidine

Concen: 98.142 ng

RT: 19.456 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

Tgt Ion:184 Resp: 1486715

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

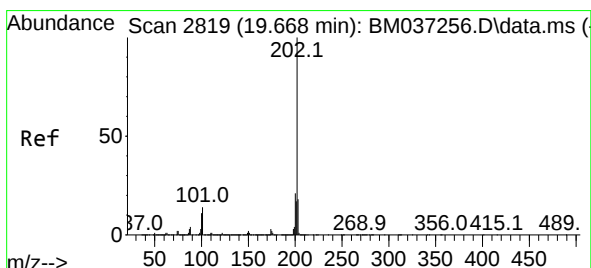
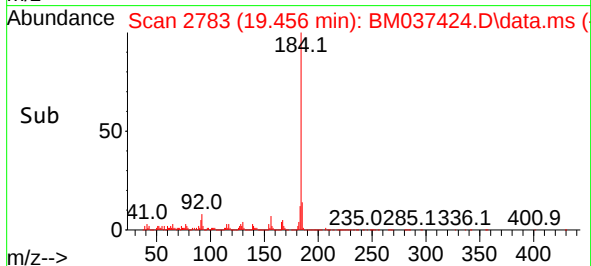
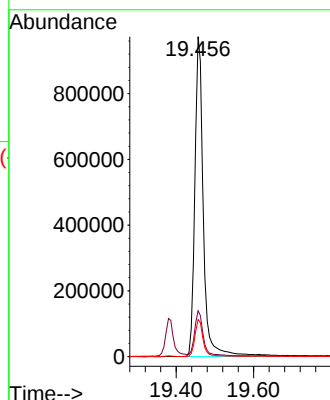
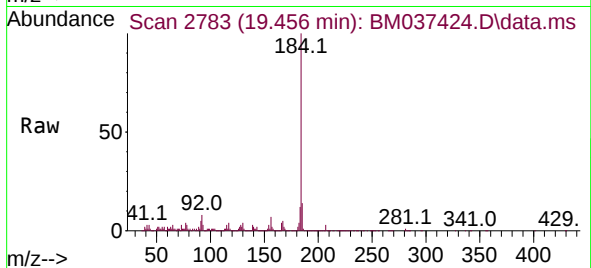
183 11.6 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#78

Pyrene

Concen: 49.530 ng

RT: 19.621 min Scan# 2811

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

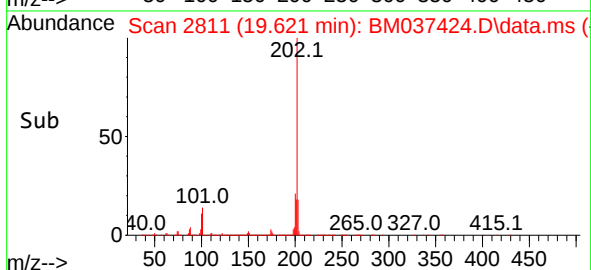
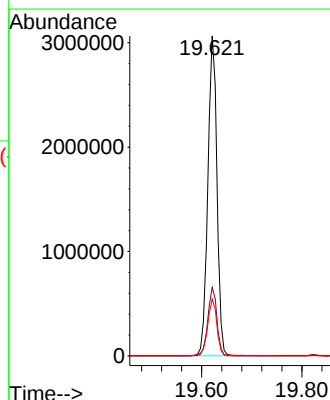
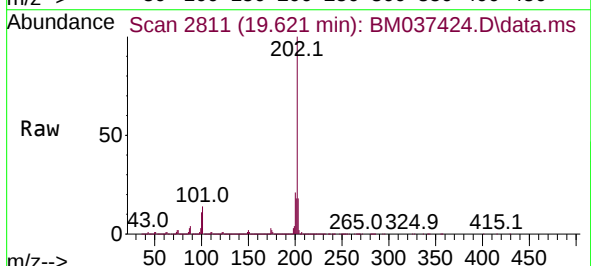
Tgt Ion:202 Resp: 3869276

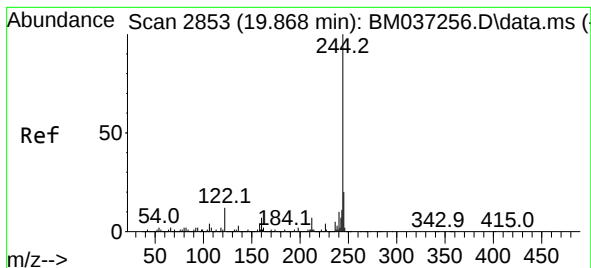
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 62.829 ng

RT: 19.821 min Scan# 2853

Delta R.T. -0.006 min

Lab File: BM037424.D

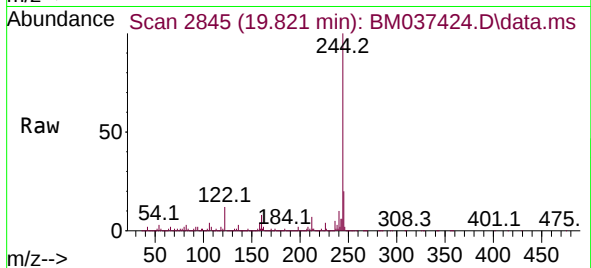
Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS



Tgt Ion:244 Resp: 3559349

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

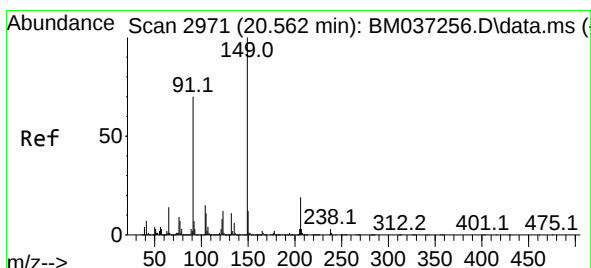
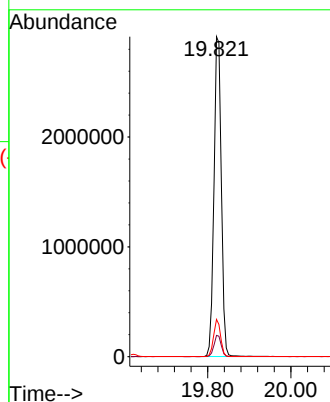
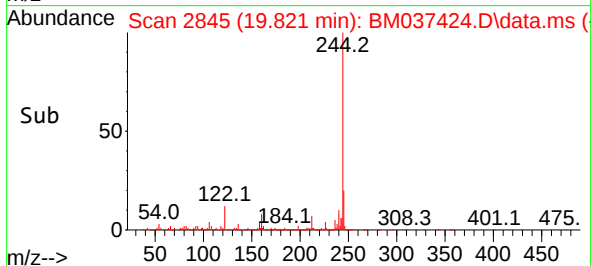
122 11.6 9.4 14.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#80

Butylbenzylphthalate

Concen: 60.458 ng

RT: 20.521 min Scan# 2964

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

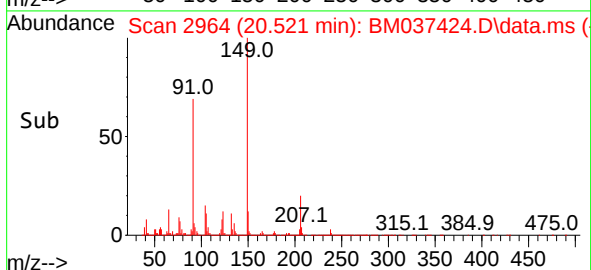
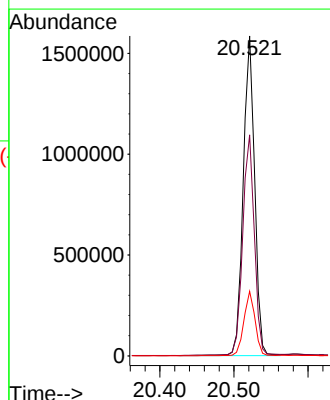
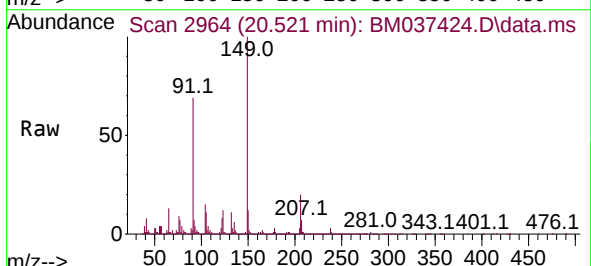
Tgt Ion:149 Resp: 1686701

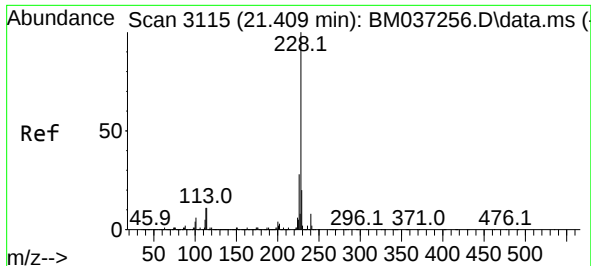
Ion Ratio Lower Upper

149 100

91 69.1 56.2 84.4

206 20.2 15.4 23.0





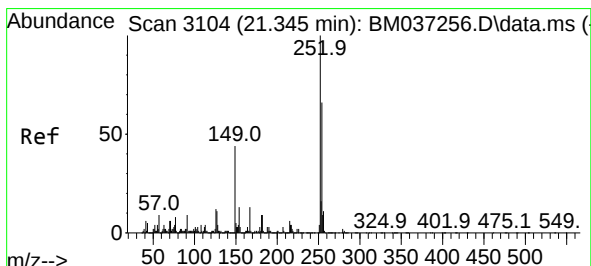
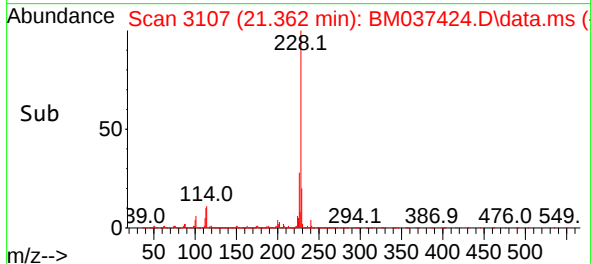
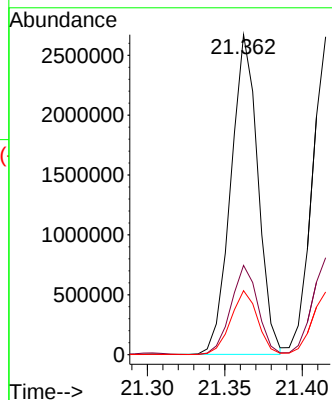
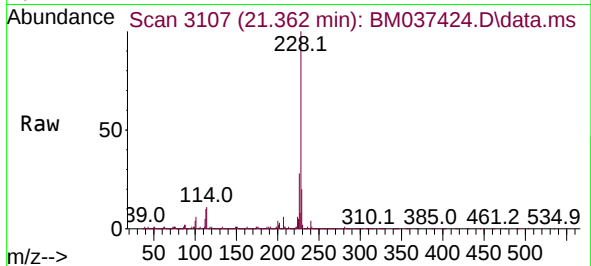
#81
Benzo(a)anthracene
Concen: 44.828 ng
RT: 21.362 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion:228 Resp: 3242219
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.0 16.2 24.2

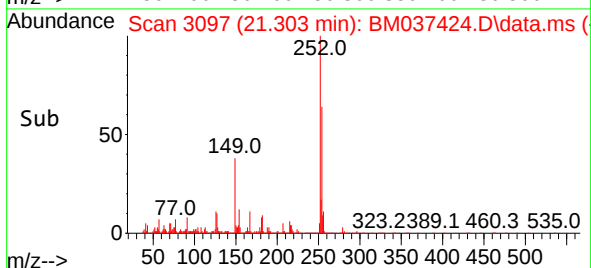
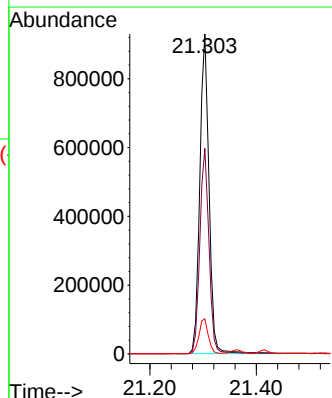
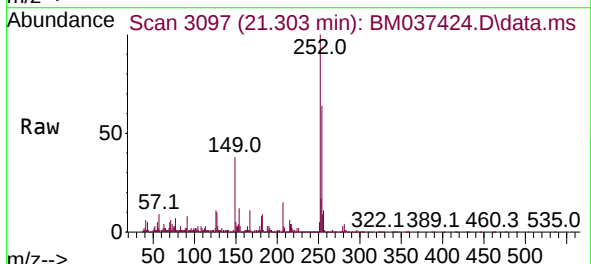
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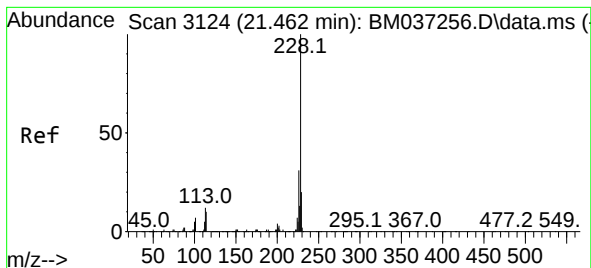
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#82
3,3'-Dichlorobenzidine
Concen: 52.489 ng
RT: 21.303 min Scan# 3097
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:252 Resp: 1114995
Ion Ratio Lower Upper
252 100
254 64.2 52.7 79.1
126 10.9 9.8 14.6





#83

Chrysene

Concen: 43.977 ng

RT: 21.415 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

Tgt Ion:228 Resp: 3064392

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

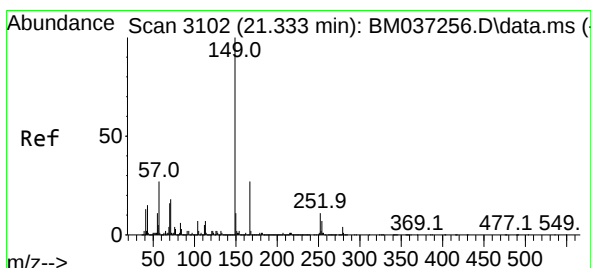
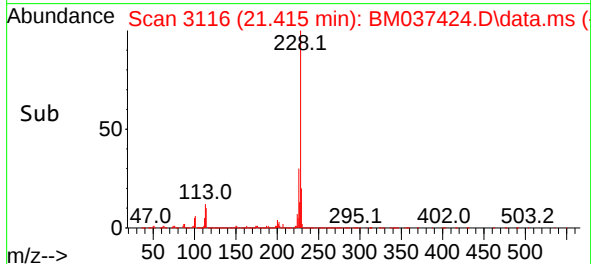
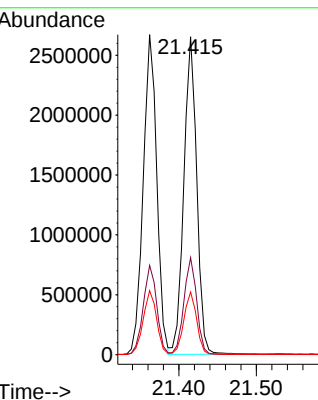
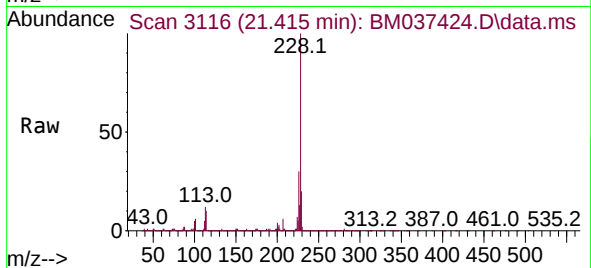
229 19.7 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 76.863 ng

RT: 21.292 min Scan# 3095

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

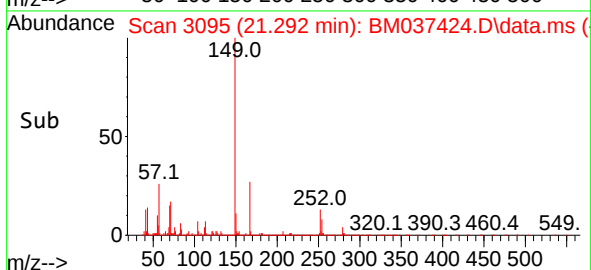
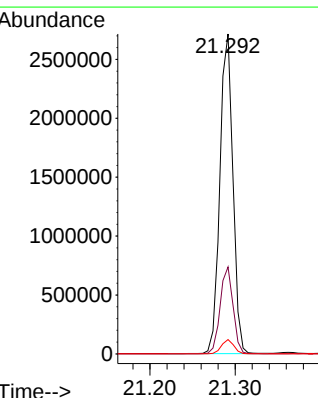
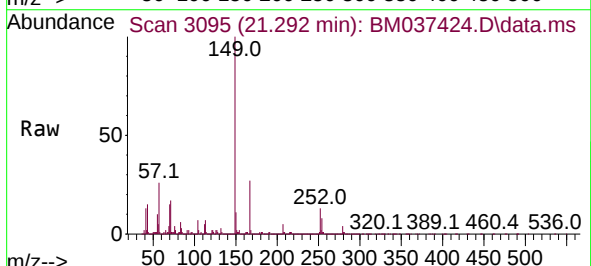
Tgt Ion:149 Resp: 2878050

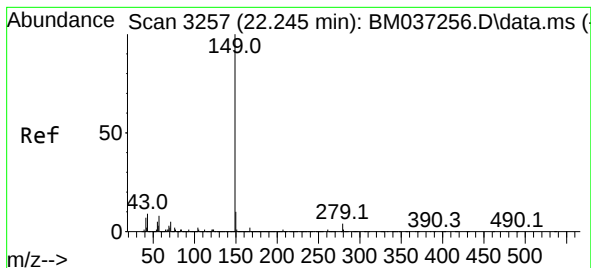
Ion Ratio Lower Upper

149 100

167 27.2 21.2 31.8

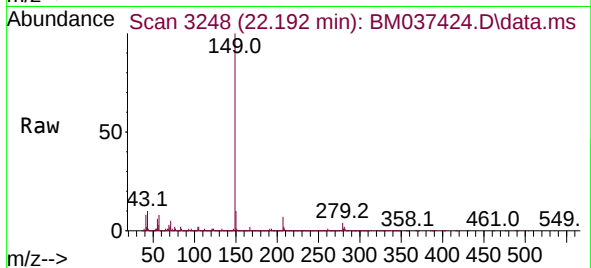
279 4.5 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 59.168 ng
RT: 22.192 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

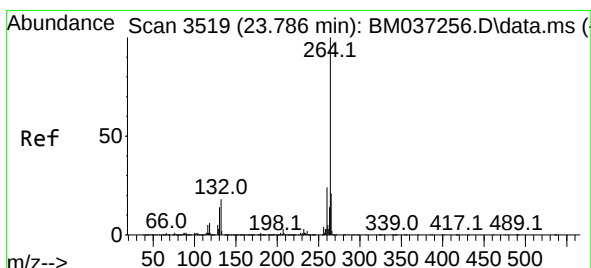
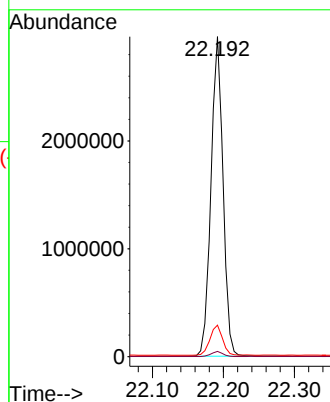
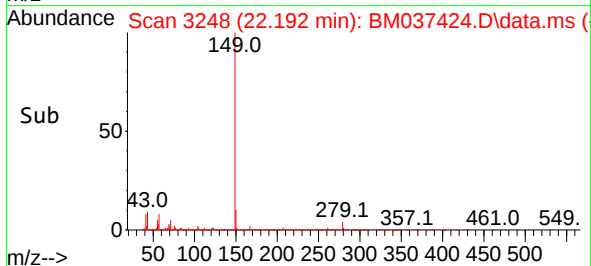
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS



Tgt Ion:149 Resp: 3489218
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.9 8.0 12.0

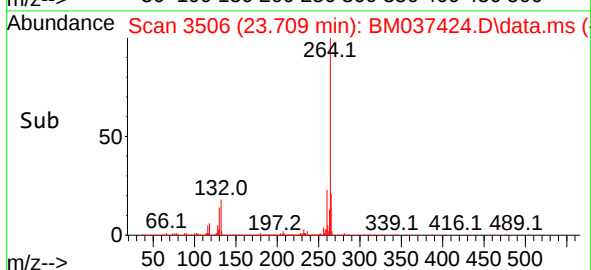
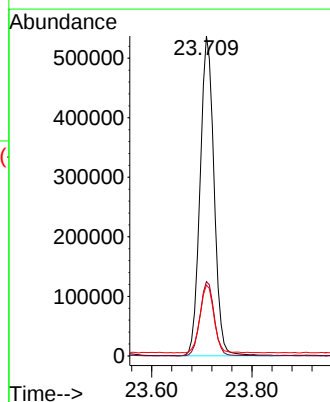
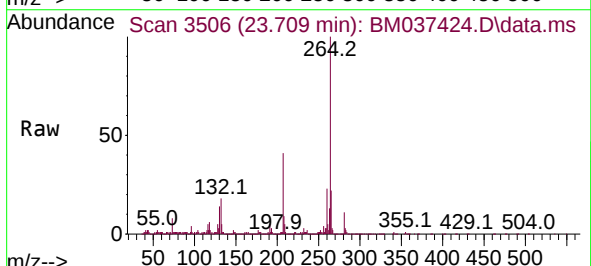
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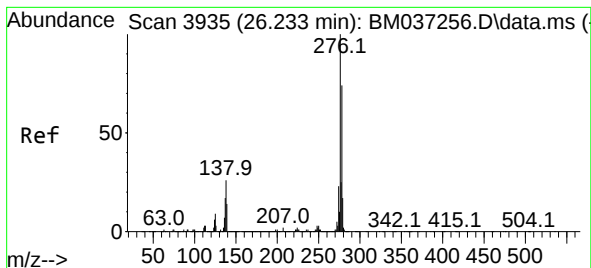
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3506
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:264 Resp: 1036025
Ion Ratio Lower Upper
264 100
260 23.2 18.9 28.3
265 22.1 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.457 ng

RT: 26.127 min Scan# 3935

Delta R.T. -0.006 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

Tgt Ion:276 Resp: 428012

Ion Ratio Lower Upper

276 100

138 25.4 21.5 32.3

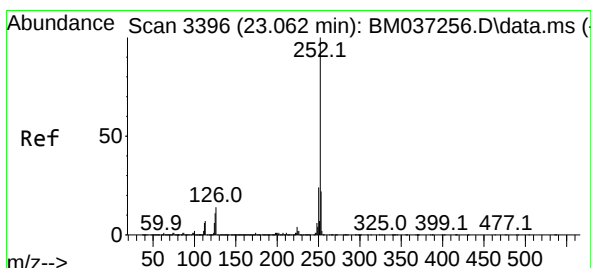
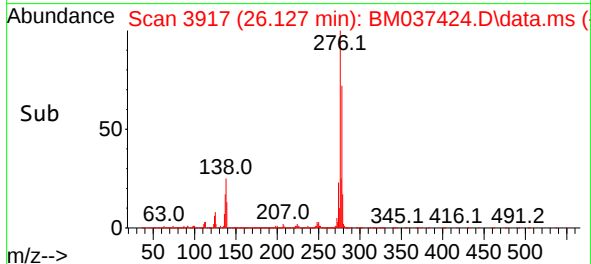
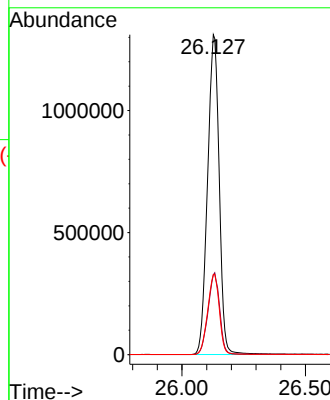
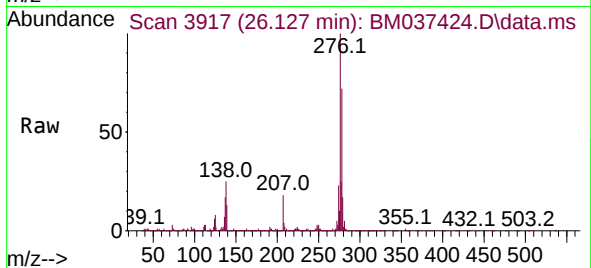
277 25.1 20.1 30.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#88

Benzo(b)fluoranthene

Concen: 47.854 ng

RT: 23.003 min Scan# 3386

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

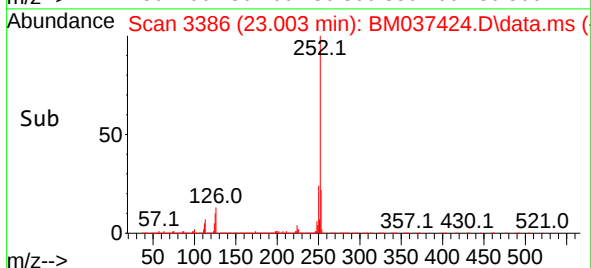
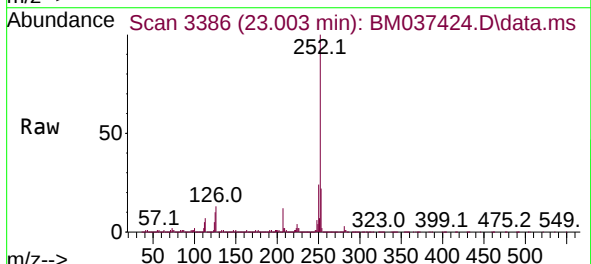
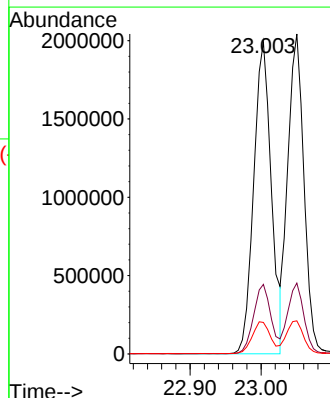
Tgt Ion:252 Resp: 3441930

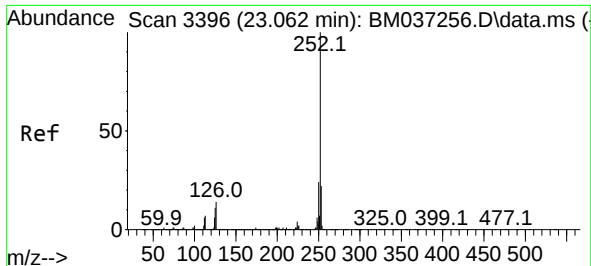
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.1 9.1 13.7





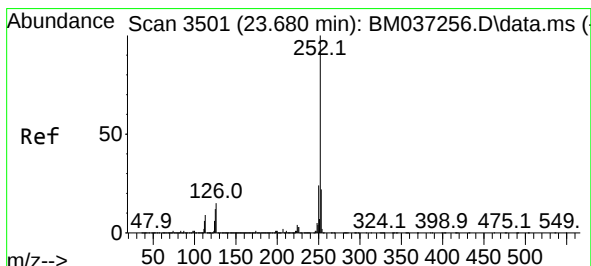
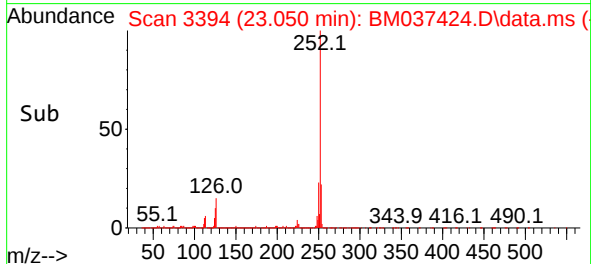
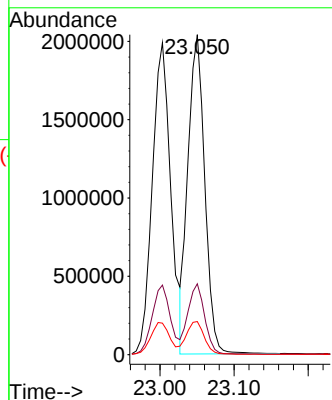
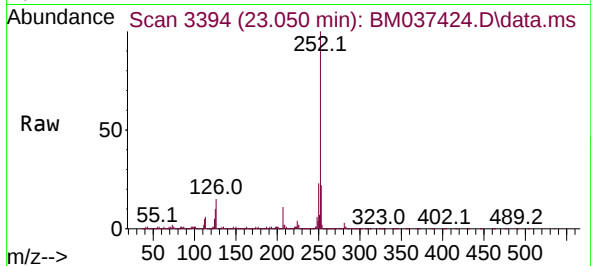
#89
Benzo(k)fluoranthene
Concen: 43.855 ng
RT: 23.050 min Scan# 3396
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MS

Tgt Ion:252 Resp: 3217502
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.3 9.1 13.7

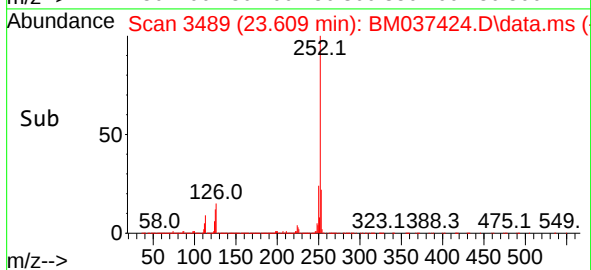
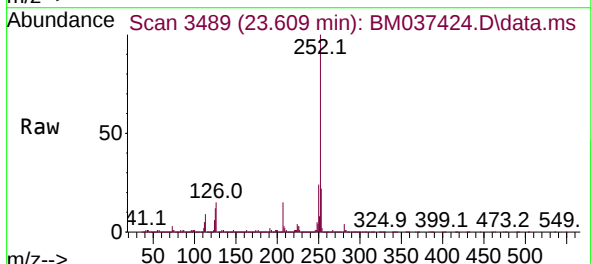
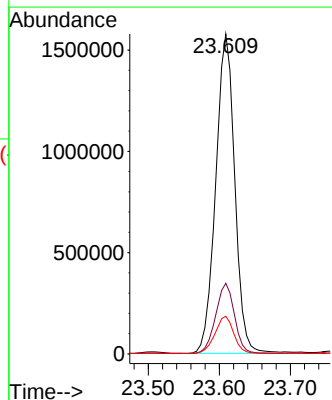
Manual Integrations
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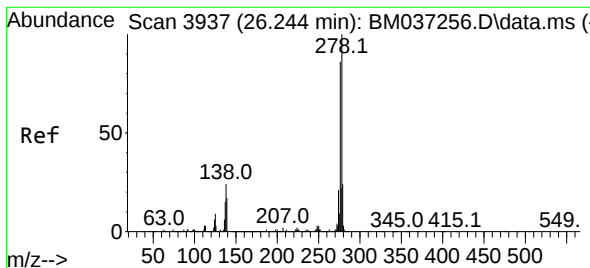
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 50.170 ng
RT: 23.609 min Scan# 3489
Delta R.T. 0.000 min
Lab File: BM037424.D
Acq: 08 Nov 2022 12:17

Tgt Ion:252 Resp: 2940141
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 11.8 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 51.688 ng

RT: 26.144 min Scan# 3937

Delta R.T. 0.000 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MS

Tgt Ion:278 Resp: 3641073

Ion Ratio Lower Upper

278 100

139 15.8 13.8 20.8

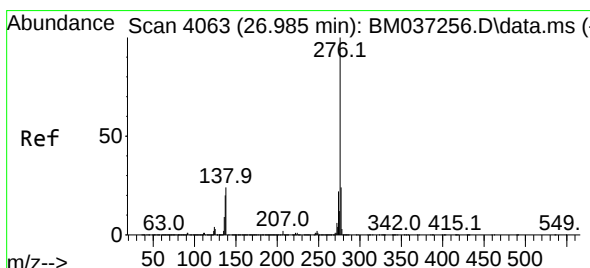
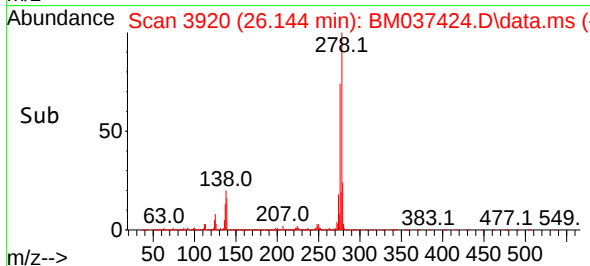
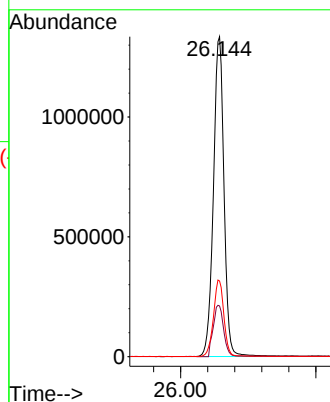
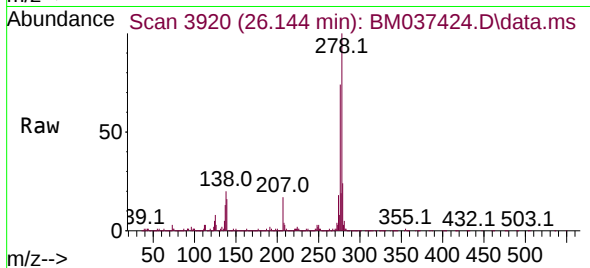
279 23.6 19.0 28.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#92

Benzo(g,h,i)perylene

Concen: 51.445 ng

RT: 26.874 min Scan# 4044

Delta R.T. -0.006 min

Lab File: BM037424.D

Acq: 08 Nov 2022 12:17

Tgt Ion:276 Resp: 3527073

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 22.0 18.9 28.3

