

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

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

Quant Time: Nov 08 14:16:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 31 01:34:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	363904	20.000	ng	-0.05
21) Naphthalene-d8	10.628	136	1418806	20.000	ng	-0.05
39) Acenaphthene-d10	14.463	164	778600	20.000	ng	-0.05
64) Phenanthrene-d10	17.204	188	1368418	20.000	ng	-0.05
76) Chrysene-d12	21.380	240	1018752	20.000	ng	-0.04
86) Perylene-d12	23.715	264	1075620	20.000	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	2376113	112.806	ng	-0.04
7) Phenol-d6	7.010	99	3119607	109.123	ng	-0.04
23) Nitrobenzene-d5	8.998	82	1737581	61.788	ng	-0.05
42) 2,4,6-Tribromophenol	15.957	330	1017633	110.907	ng	-0.04
45) 2-Fluorobiphenyl	13.092	172	3415010	58.278	ng	-0.05
79) Terphenyl-d14	19.827	244	3449312	60.717	ng	-0.04
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	320621	37.172	ng	97
3) Pyridine	3.693	79	917182	35.693	ng	98
4) n-Nitrosodimethylamine	3.604	42	478248	42.581	ng	94
6) Aniline	7.163	93	1642500	46.997	ng	100
8) 2-Chlorophenol	7.392	128	1248040	48.682	ng	99
9) Benzaldehyde	6.975	77	711730	49.184	ng	99
10) Phenol	7.034	94	1535116	47.923	ng	99
11) bis(2-Chloroethyl)ether	7.263	93	1160684	45.193	ng	98
12) 1,3-Dichlorobenzene	7.710	146	1303609	46.534	ng	100
13) 1,4-Dichlorobenzene	7.863	146	1326424	45.902	ng	99
14) 1,2-Dichlorobenzene	8.175	146	1274985	45.940	ng	98
15) Benzyl Alcohol	8.081	79	991895	48.531	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.351	45	1618727	44.210	ng	99
17) 2-Methylphenol	8.281	107	975961	46.621	ng	99
18) Hexachloroethane	8.898	117	488647	47.949	ng	98
19) n-Nitroso-di-n-propyla...	8.645	70	875716	44.682	ng	98
20) 3+4-Methylphenols	8.616	107	1421232	49.426	ng	99
22) Acetophenone	8.663	105	1728114	46.861	ng	# 99
24) Nitrobenzene	9.039	77	1278882	44.857	ng	99
25) Isophorone	9.569	82	2276129	48.429	ng	100
26) 2-Nitrophenol	9.745	139	640897	50.213	ng	96
27) 2,4-Dimethylphenol	9.810	122	1066674	56.313	ng	98
28) bis(2-Chloroethoxy)met...	10.051	93	1466795	50.160	ng	100
29) 2,4-Dichlorophenol	10.280	162	1069790	49.200	ng	99
30) 1,2,4-Trichlorobenzene	10.486	180	1154188	46.808	ng	98
31) Naphthalene	10.675	128	3521157	43.804	ng	99
32) Benzoic acid	9.975	122	613016	37.368	ng	99
33) 4-Chloroaniline	10.798	127	1075666	33.594	ng	100
34) Hexachlorobutadiene	10.951	225	668672	48.564	ng	98
35) Caprolactam	11.622	113	289099	43.734	ng	97
36) 4-Chloro-3-methylphenol	11.927	107	1015933	45.339	ng	98
37) 2-Methylnaphthalene	12.286	142	2425901	44.543	ng	99
38) 1-Methylnaphthalene	12.510	142	2267851	42.616	ng	99
40) 1,2,4,5-Tetrachloroben...	12.657	216	1221179	52.164	ng	99
41) Hexachlorocyclopentadiene	12.627	237	1397551	125.299	ng	100
43) 2,4,6-Trichlorophenol	12.904	196	801676	49.745	ng	99

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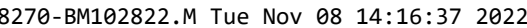
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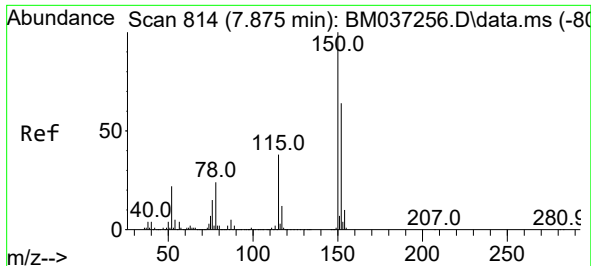
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	851151	47.878	ng	99
46) 1,1'-Biphenyl	13.304	154	3038315	48.356	ng	99
47) 2-Chloronaphthalene	13.345	162	2324236	46.484	ng	99
48) 2-Nitroaniline	13.563	65	660852	45.736	ng	98
49) Acenaphthylene	14.186	152	3534734	45.541	ng	100
50) Dimethylphthalate	13.939	163	2671662	44.924	ng	99
51) 2,6-Dinitrotoluene	14.057	165	581480	46.171	ng	99
52) Acenaphthene	14.527	154	2125538	44.296	ng	99
53) 3-Nitroaniline	14.392	138	486176	34.555	ng	99
54) 2,4-Dinitrophenol	14.598	184	529934	65.202	ng	94
55) Dibenzofuran	14.863	168	3258706	44.091	ng	99
56) 4-Nitrophenol	14.704	139	965131	85.986	ng	98
57) 2,4-Dinitrotoluene	14.845	165	768053	46.346	ng	99
58) Fluorene	15.510	166	2726258	44.192	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	672418	45.127	ng	98
60) Diethylphthalate	15.292	149	2632155	45.538	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	1350520	47.319	ng	97
62) 4-Nitroaniline	15.551	138	525316	37.228	ng	94
63) Azobenzene	15.798	77	2508808	44.059	ng	98
65) 4,6-Dinitro-2-methylph...	15.604	198	342002	37.097	ng	99
66) n-Nitrosodiphenylamine	15.727	169	2184992	47.239	ng	100
67) 4-Bromophenyl-phenylether	16.398	248	774217	50.417	ng	98
68) Hexachlorobenzene	16.509	284	899069	48.378	ng	97
69) Atrazine	16.680	200	691594	59.425	ng	100
70) Pentachlorophenol	16.857	266	1031640	95.401	ng	98
71) Phenanthrene	17.251	178	3688391	43.445	ng	100
72) Anthracene	17.339	178	3735107	46.472	ng	100
73) Carbazole	17.615	167	3261435	44.238	ng	100
74) Di-n-butylphthalate	18.174	149	4322413	53.096	ng	100
75) Fluoranthene	19.262	202	3769948	42.008	ng	99
77) Benzidine	19.456	184	1816799	119.597	ng	99
78) Pyrene	19.621	202	3772945	48.162	ng	100
80) Butylbenzylphthalate	20.521	149	1635798	58.470	ng	98
81) Benzo(a)anthracene	21.362	228	3281018	45.238	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1164267	54.655	ng	98
83) Chrysene	21.415	228	3054271	43.709	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2822332	75.164	ng	98
85) Di-n-octyl phthalate	22.191	149	3488642	58.993	ng	99
87) Indeno(1,2,3-cd)pyrene	26.132	276	4333566	49.206	ng	98
88) Benzo(b)fluoranthene	23.003	252	3487526	46.703	ng	99
89) Benzo(k)fluoranthene	23.050	252	3403113	44.678	ng	99
90) Benzo(a)pyrene	23.609	252	3050567	50.138	ng	99
91) Dibenzo(a,h)anthracene	26.144	278	3676690	50.272	ng	99
92) Benzo(g,h,i)perylene	26.874	276	3559249	50.004	ng	98

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

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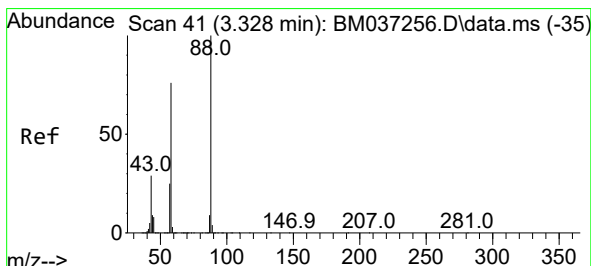
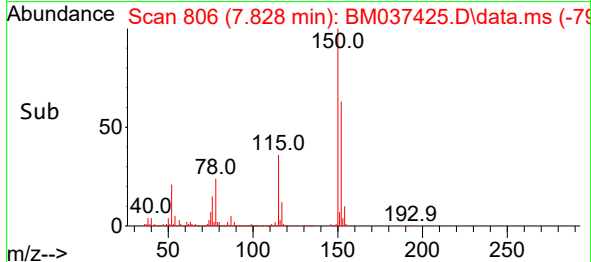
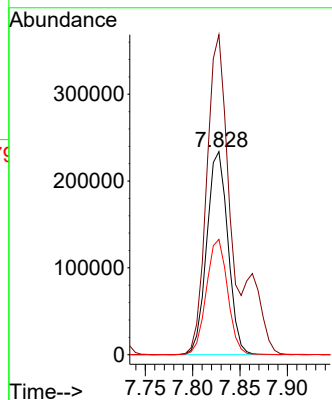
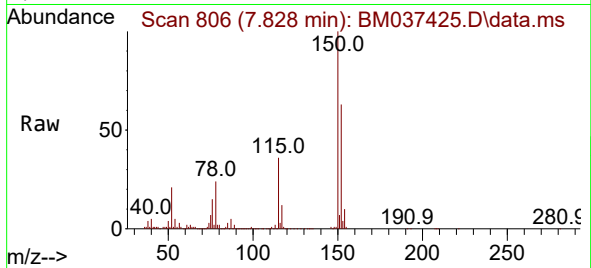




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 80
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

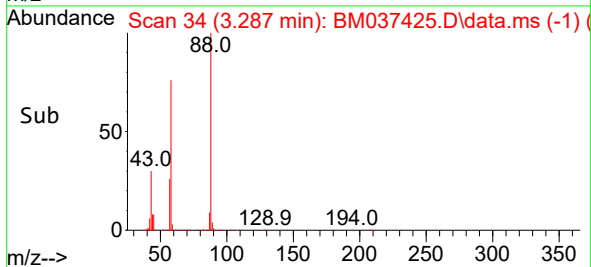
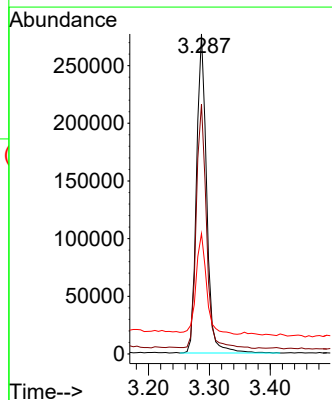
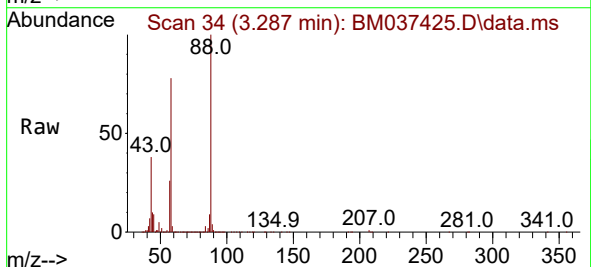
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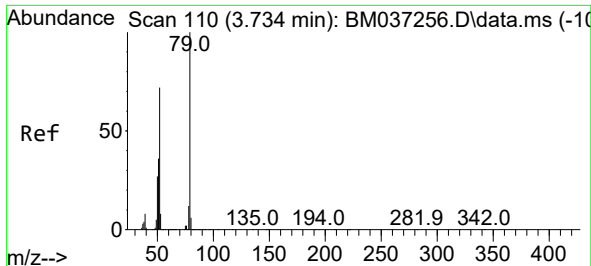
Tgt Ion:152 Resp: 363904
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 56.8 47.0 70.4



#2
1,4-Dioxane
Concen: 37.172 ng
RT: 3.287 min Scan# 34
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

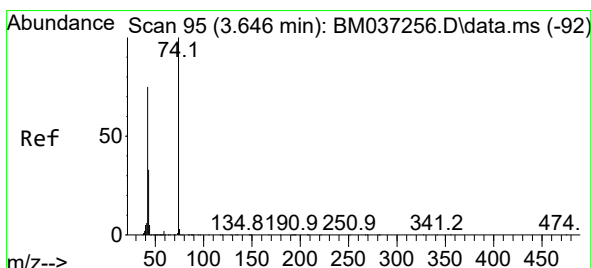
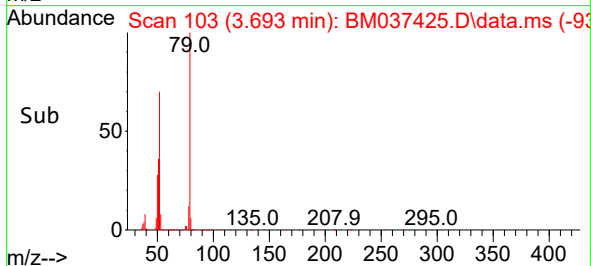
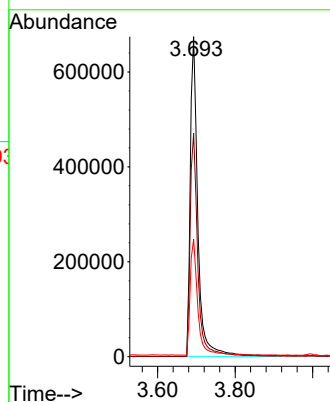
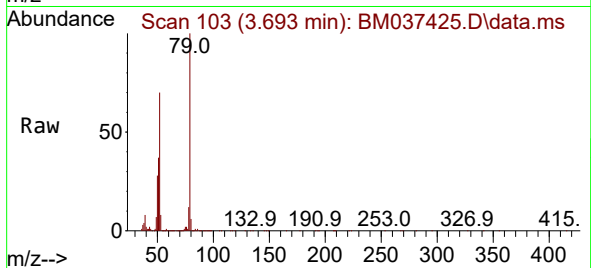




#3
Pyridine
Concen: 35.693 ng
RT: 3.693 min Scan# 10
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

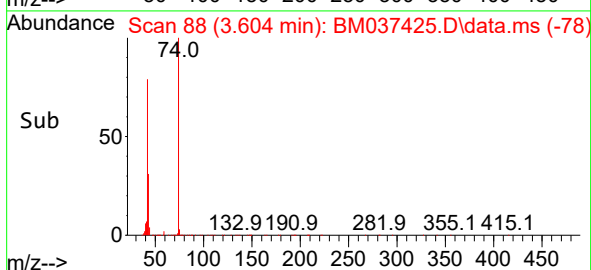
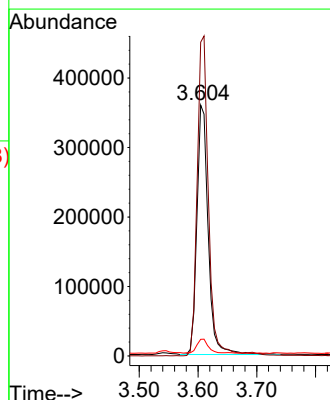
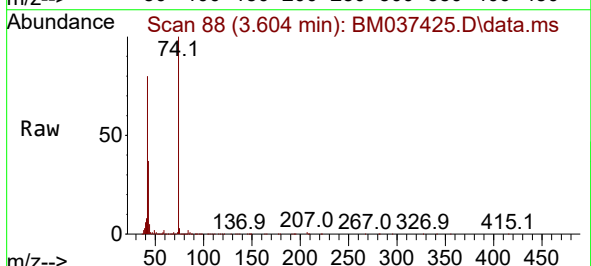
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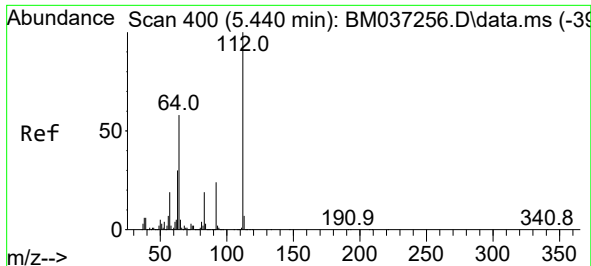
Tgt Ion: 79 Resp: 917182
Ion Ratio Lower Upper
79 100
52 69.9 57.8 86.6
51 36.7 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 42.581 ng
RT: 3.604 min Scan# 88
Delta R.T. -0.042 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

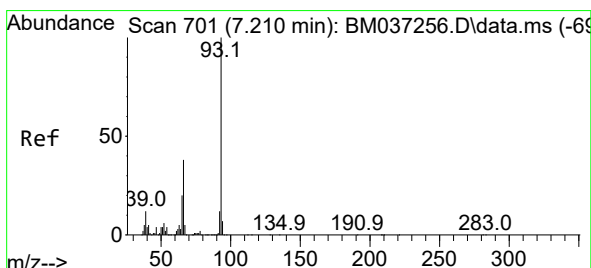
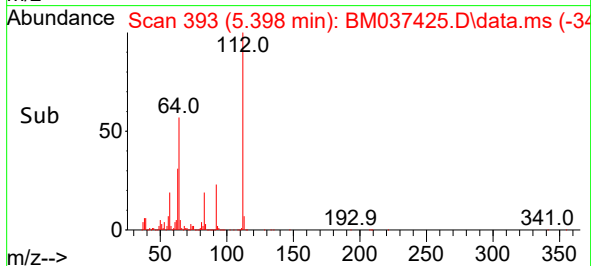
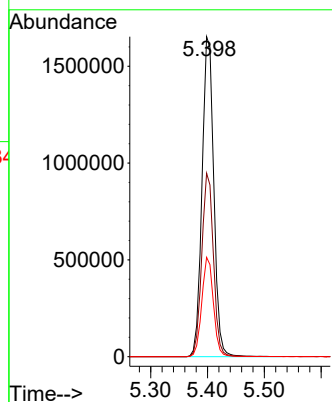
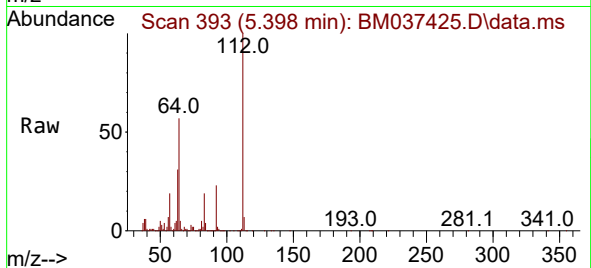




#5
2-Fluorophenol
Concen: 112.806 ng
RT: 5.398 min Scan# 341
Delta R.T. -0.042 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

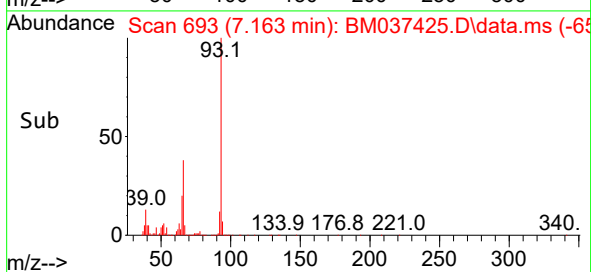
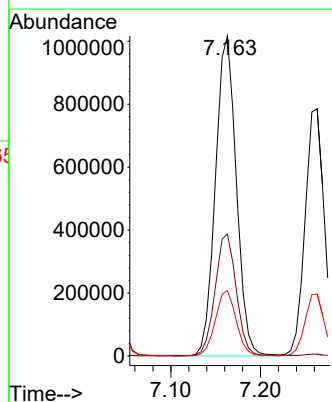
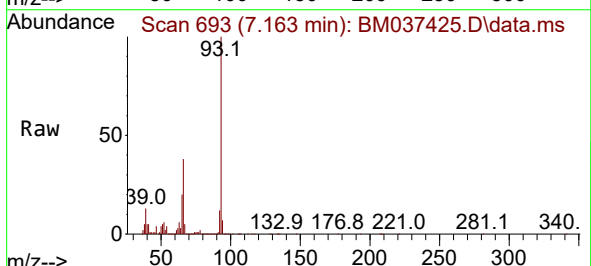
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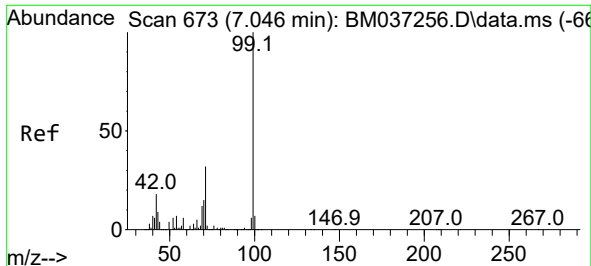
Tgt Ion:112 Resp: 2376113
Ion Ratio Lower Upper
112 100
64 57.3 46.8 70.2
63 31.1 24.4 36.6



#6
Aniline
Concen: 46.997 ng
RT: 7.163 min Scan# 693
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

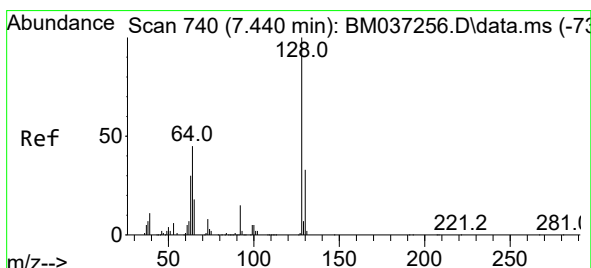
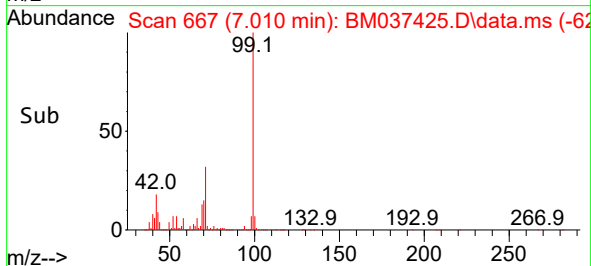
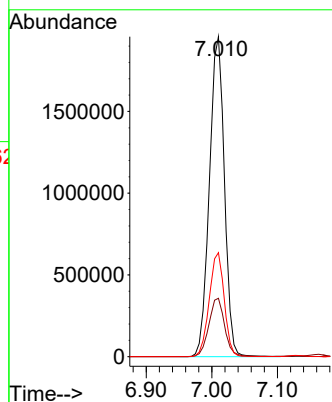
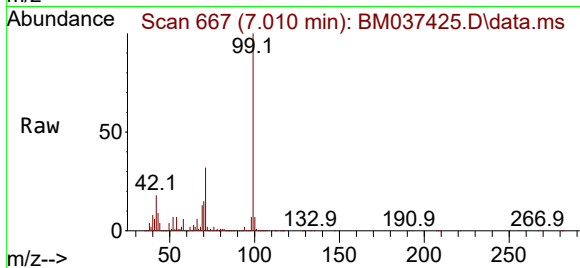




#7
Phenol-d6
Concen: 109.123 ng
RT: 7.010 min Scan# 610
Delta R.T. -0.036 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

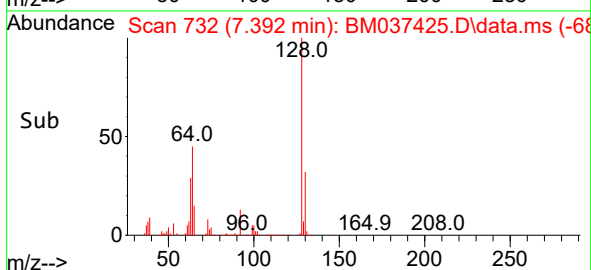
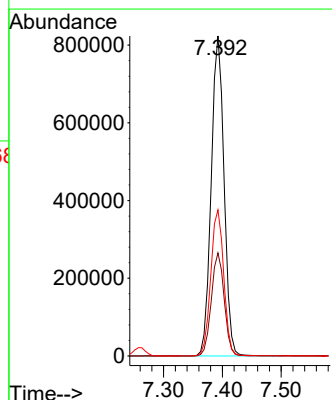
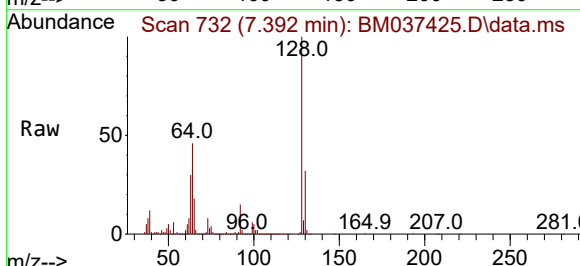
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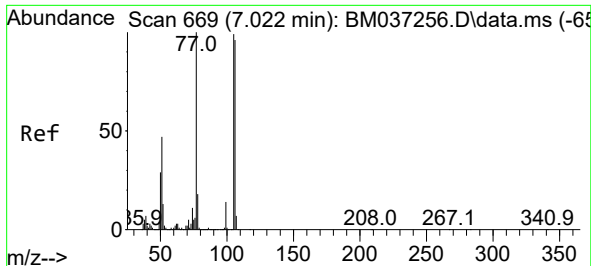
Tgt Ion: 99 Resp: 3119607
Ion Ratio Lower Upper
99 100
42 18.3 14.8 22.2
71 32.5 25.6 38.4



#8
2-Chlorophenol
Concen: 48.682 ng
RT: 7.392 min Scan# 732
Delta R.T. -0.048 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

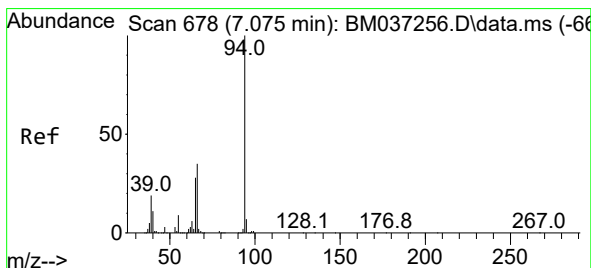
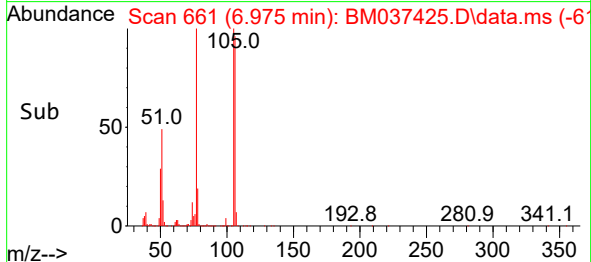
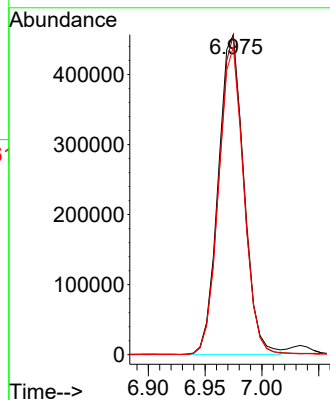
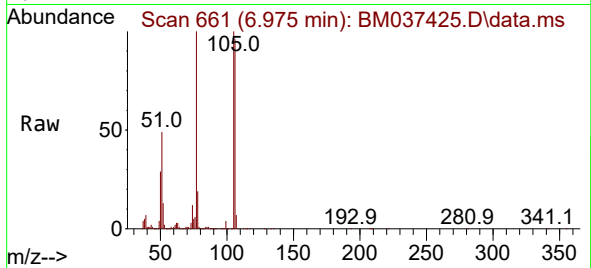




#9
Benzaldehyde
Concen: 49.184 ng
RT: 6.975 min Scan# 609
Delta R.T. -0.047 min
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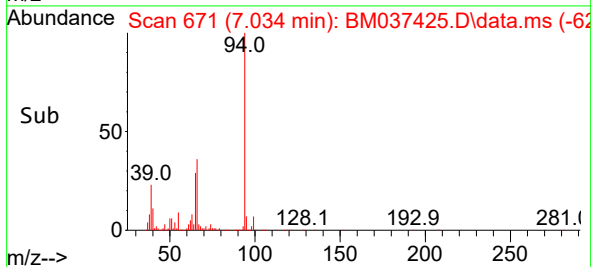
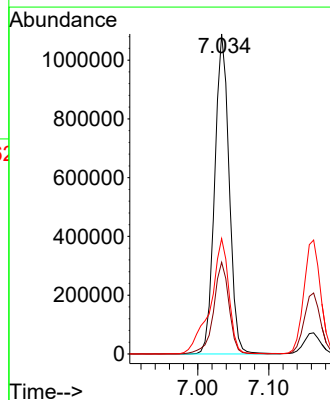
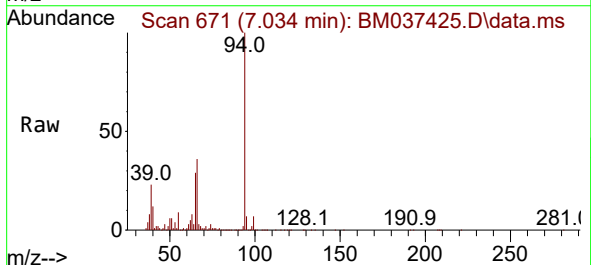
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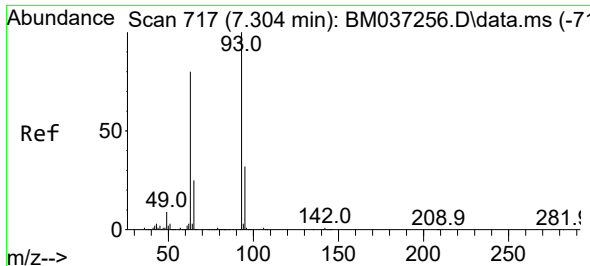
Tgt Ion: 77 Resp: 711730
Ion Ratio Lower Upper
77 100
105 99.8 78.6 118.6
106 96.2 75.8 115.8



#10
Phenol
Concen: 47.923 ng
RT: 7.034 min Scan# 671
Delta R.T. -0.041 min
Lab File: BM037425.D
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Tgt Ion: 94 Resp: 1535116
Ion Ratio Lower Upper
94 100
65 28.6 8.1 48.1
66 36.0 15.5 55.5

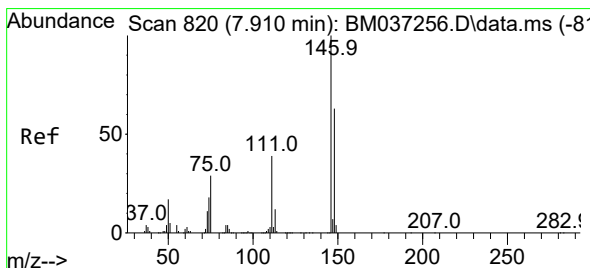
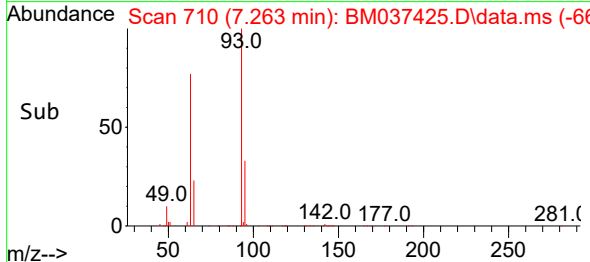
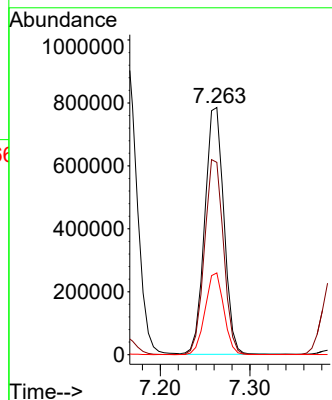
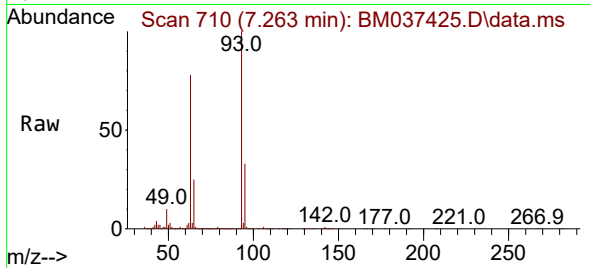




#11
bis(2-Chloroethyl)ether
Concen: 45.193 ng
RT: 7.263 min Scan# 717
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

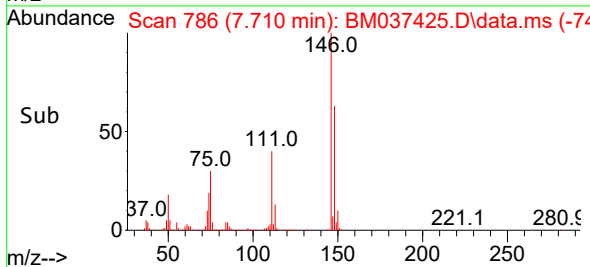
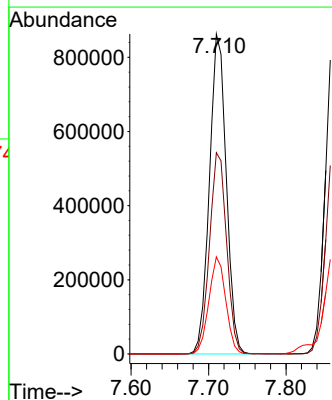
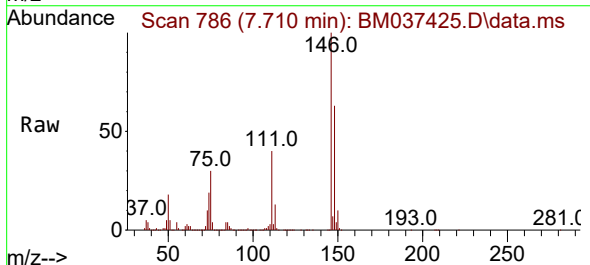
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

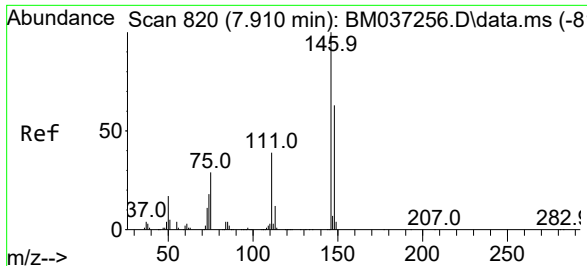
Tgt Ion: 93 Resp: 1160684
Ion Ratio Lower Upper
93 100
63 77.8 59.3 99.3
95 33.1 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 46.534 ng
RT: 7.710 min Scan# 786
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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





#13

1,4-Dichlorobenzene

Concen: 45.902 ng

RT: 7.863 min Scan# 81

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

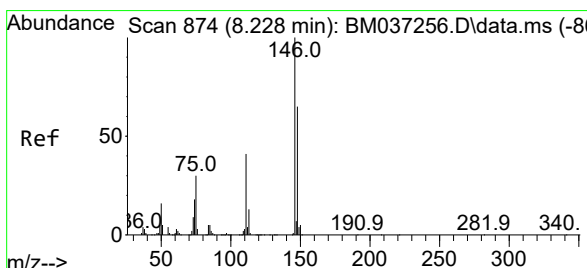
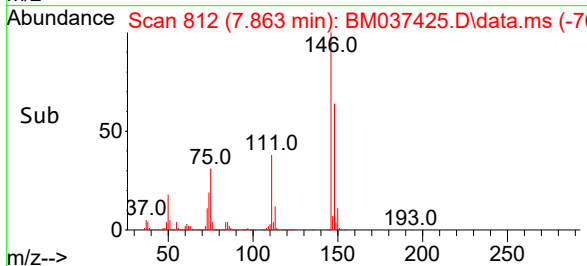
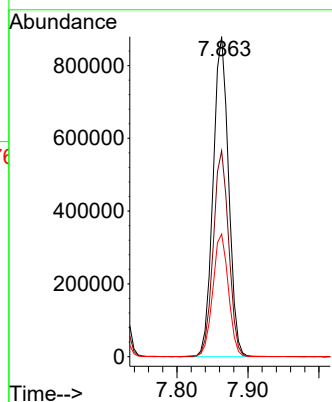
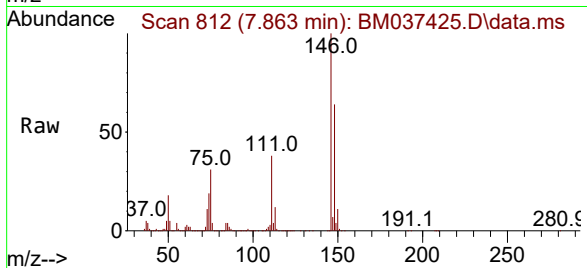
Tgt Ion:146 Resp: 1326424

Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

111 38.3 31.1 46.7



#14

1,2-Dichlorobenzene

Concen: 45.940 ng

RT: 8.175 min Scan# 865

Delta R.T. -0.053 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

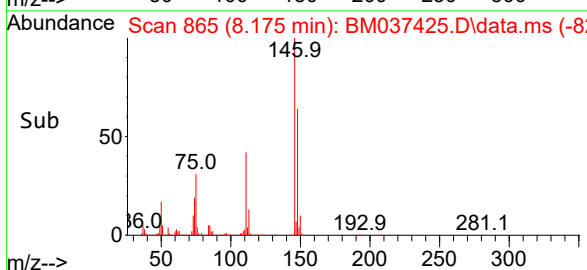
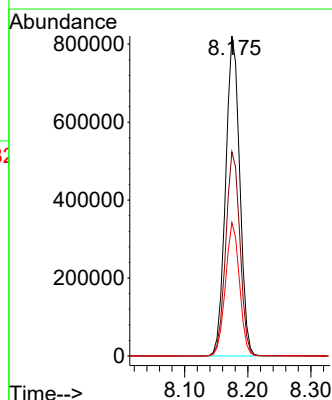
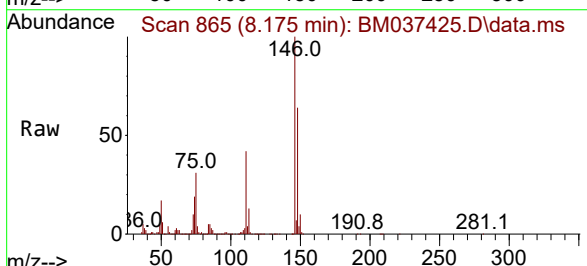
Tgt Ion:146 Resp: 1274985

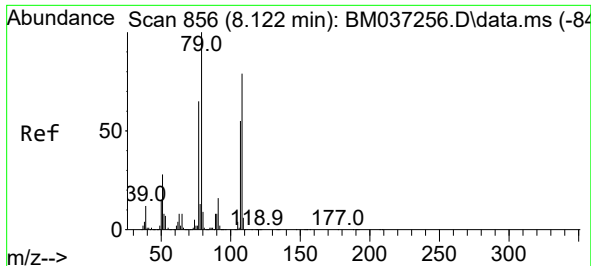
Ion Ratio Lower Upper

146 100

148 63.8 52.4 78.6

111 41.7 33.0 49.6

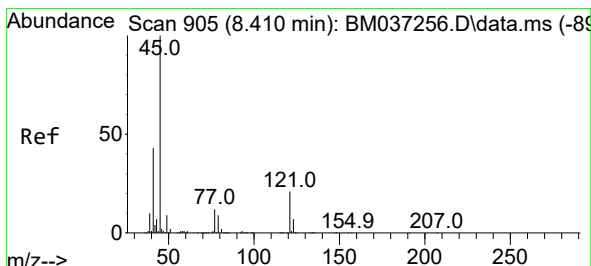
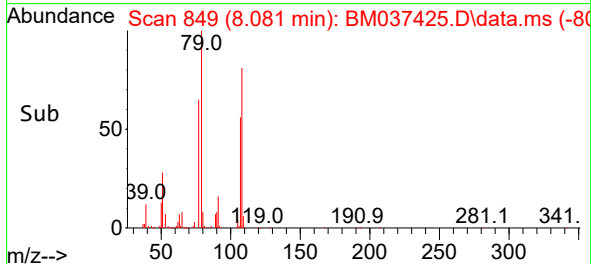
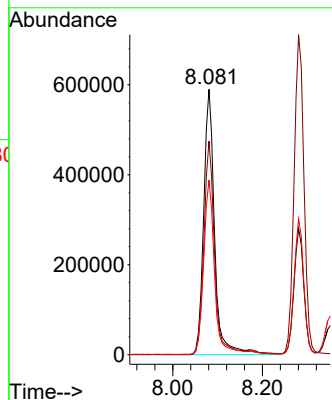
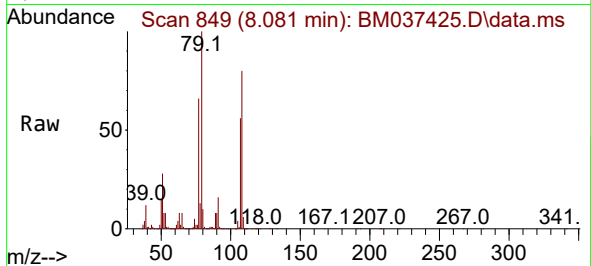




#15
Benzyl Alcohol
Concen: 48.531 ng
RT: 8.081 min Scan# 84
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

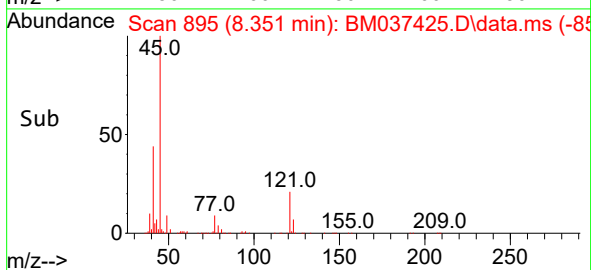
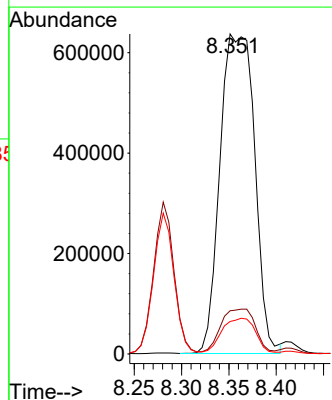
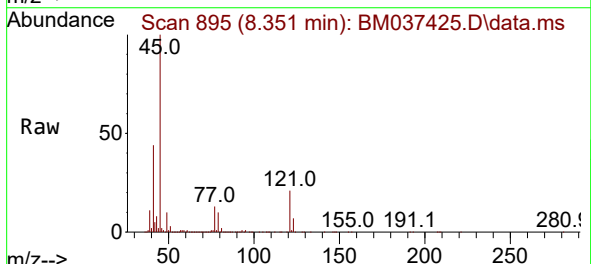
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

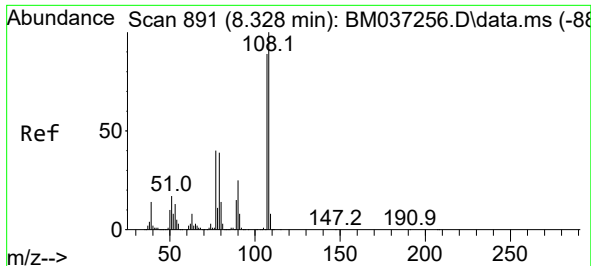
Tgt Ion: 79 Resp: 991895
Ion Ratio Lower Upper
79 100
108 80.4 63.1 94.7
77 65.7 51.7 77.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.210 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.059 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

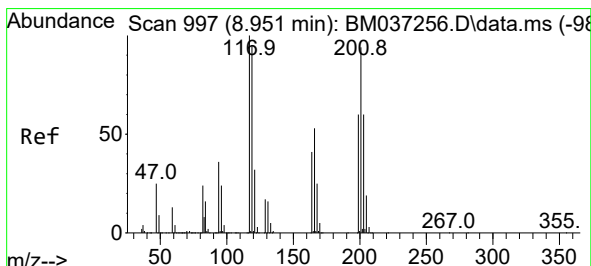
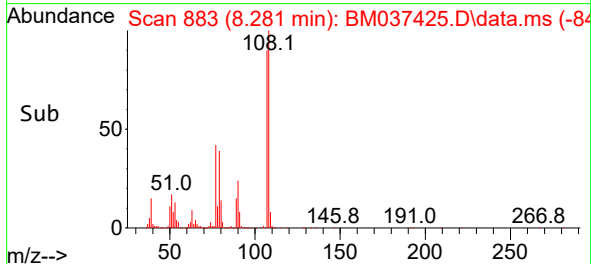
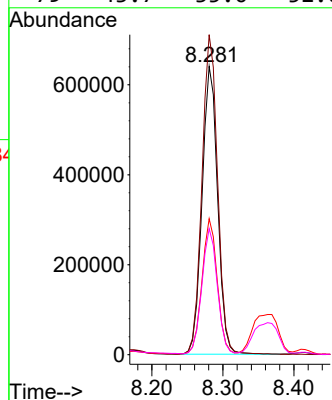
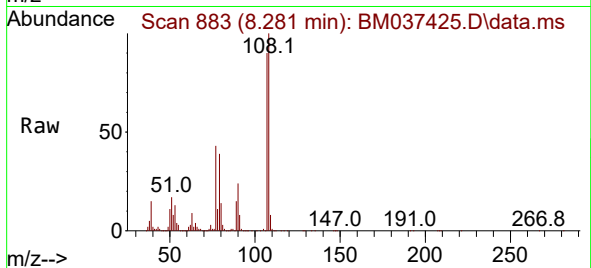




#17
2-Methylphenol
Concen: 46.621 ng
RT: 8.281 min Scan# 891
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

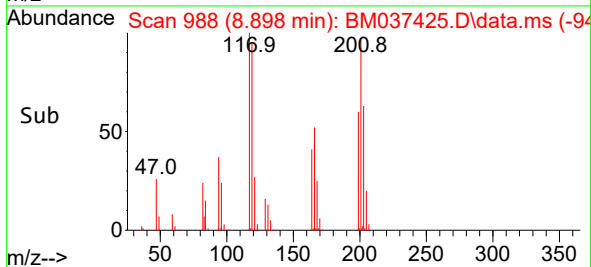
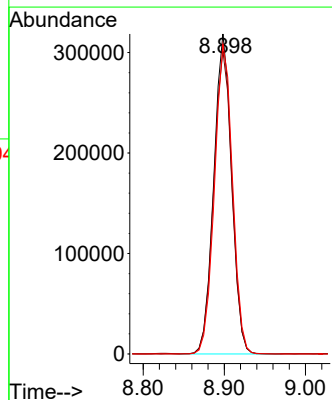
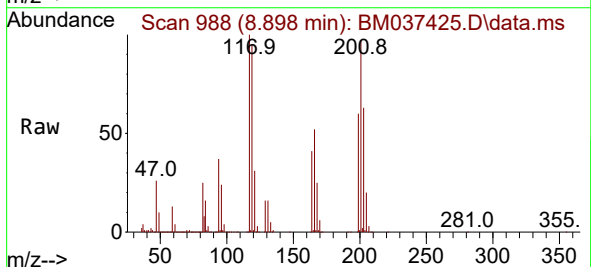
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

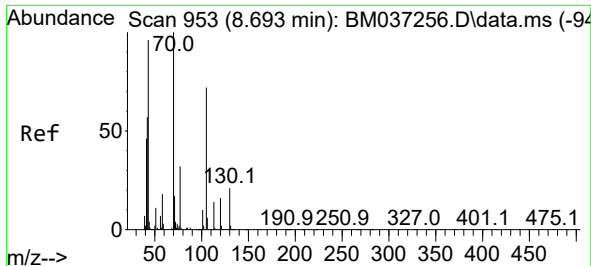
Tgt Ion:107 Resp: 975961
Ion Ratio Lower Upper
107 100
108 111.0 89.5 134.3
77 47.2 36.2 54.2
79 43.7 35.0 52.6



#18
Hexachloroethane
Concen: 47.949 ng
RT: 8.898 min Scan# 988
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:117 Resp: 488647
Ion Ratio Lower Upper
117 100
119 94.7 75.9 113.9
201 96.7 75.0 112.4





#19

n-Nitroso-di-n-propylamine

Concen: 44.682 ng

RT: 8.645 min Scan# 94

Delta R.T. -0.048 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

Tgt Ion: 70 Resp: 875716

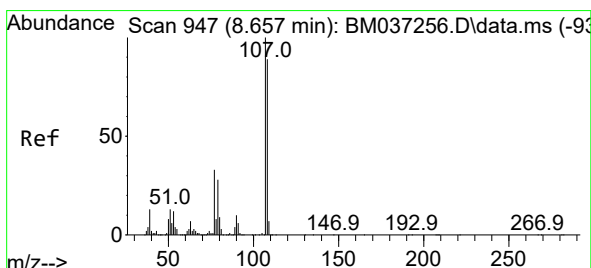
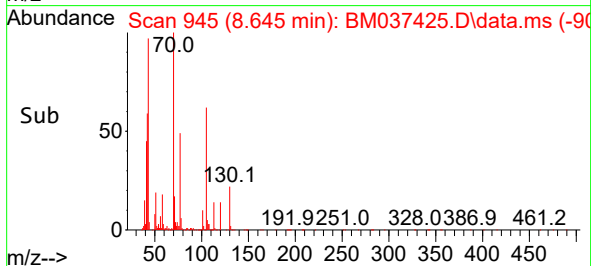
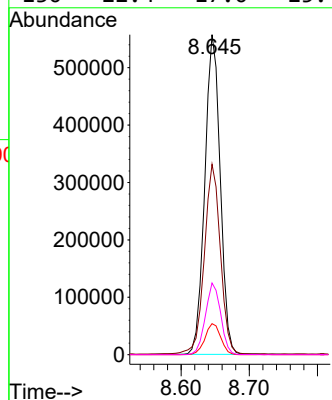
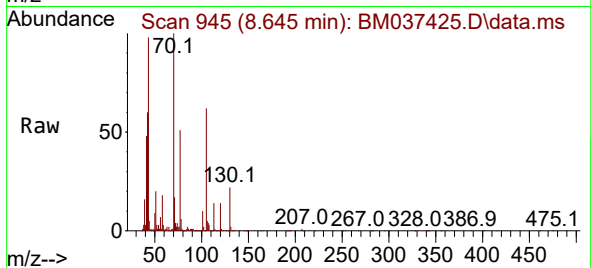
Ion Ratio Lower Upper

70 100

42 59.5 46.4 69.6

101 9.7 7.8 11.8

130 22.4 17.0 25.4



#20

3+4-Methylphenols

Concen: 49.426 ng

RT: 8.616 min Scan# 940

Delta R.T. -0.041 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion: 107 Resp: 1421232

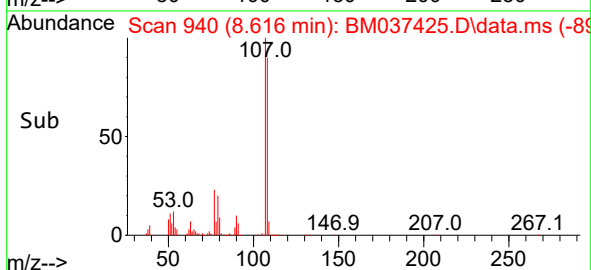
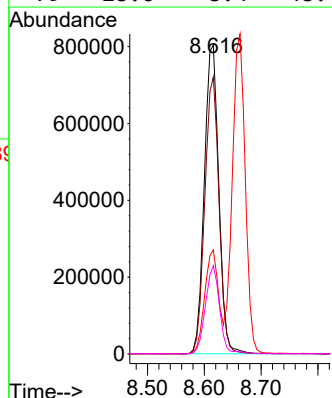
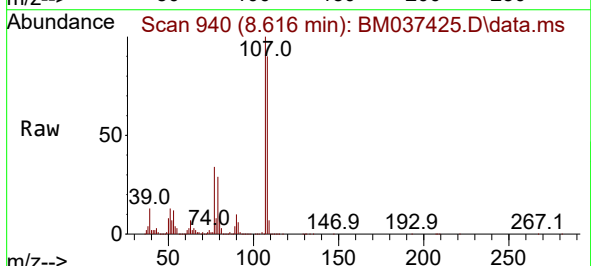
Ion Ratio Lower Upper

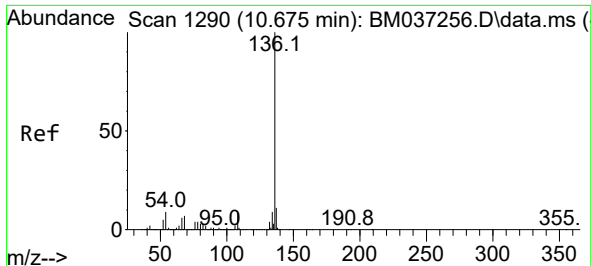
107 100

108 89.6 69.4 109.4

77 33.7 12.8 52.8

79 28.6 8.4 48.4

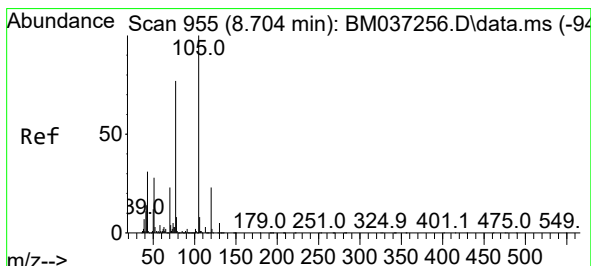
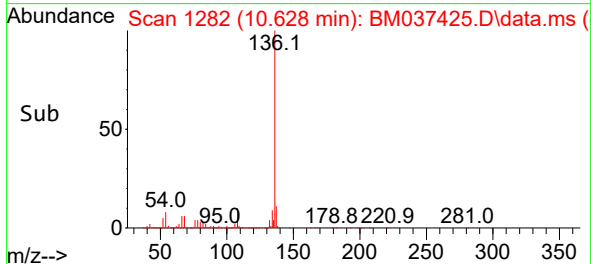
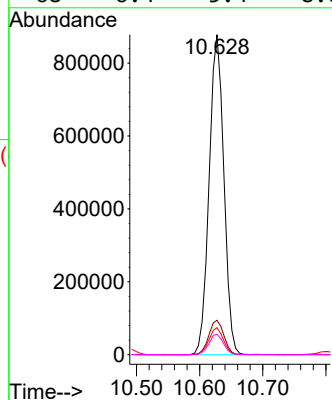
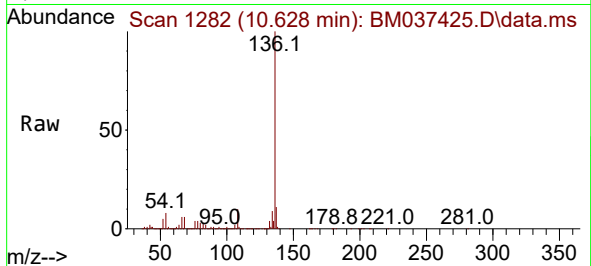




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.628 min Scan# 11
Delta R.T. -0.048 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

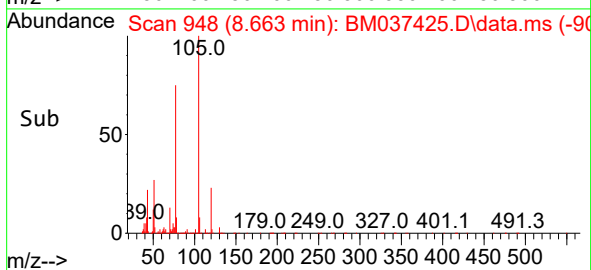
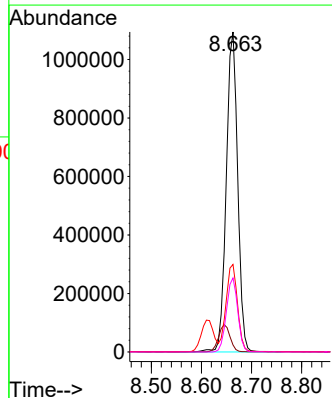
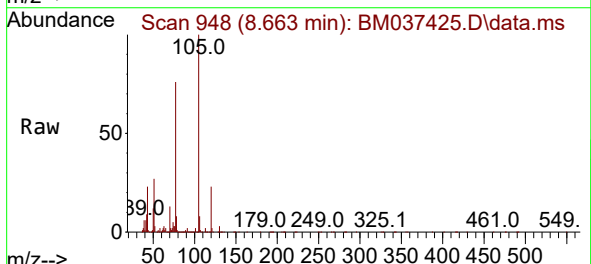
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

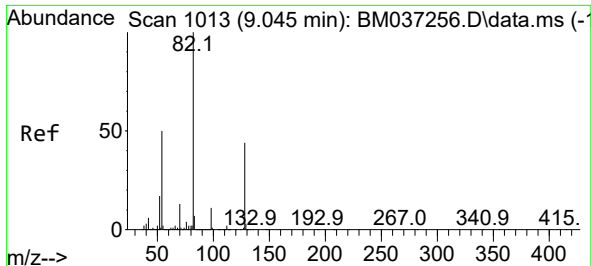
Tgt Ion:136 Resp: 1418806
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.5 7.0 10.4
68 6.4 5.4 8.0



#22
Acetophenone
Concen: 46.861 ng
RT: 8.663 min Scan# 948
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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





#23

Nitrobenzene-d5

Concen: 61.788 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

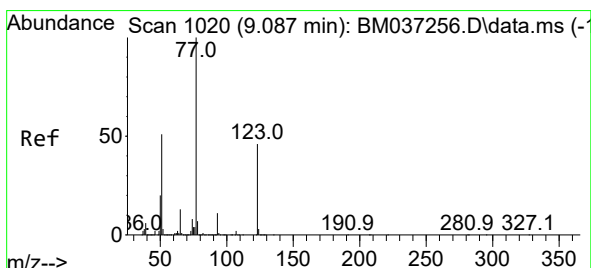
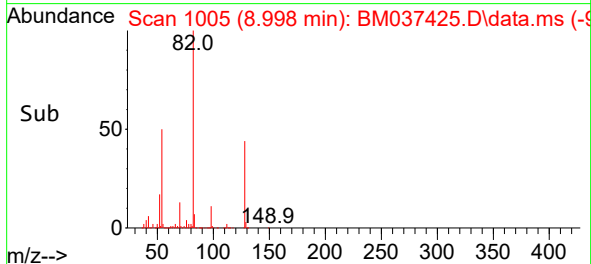
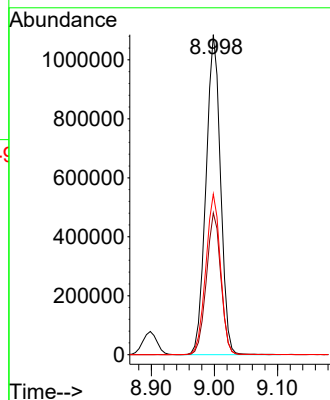
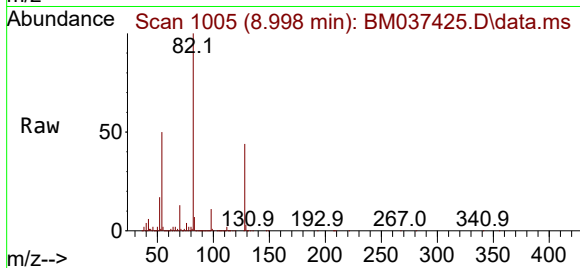
Tgt Ion: 82 Resp: 1737581

Ion Ratio Lower Upper

82 100

128 44.3 35.2 52.8

54 50.2 40.4 60.6



#24

Nitrobenzene

Concen: 44.857 ng

RT: 9.039 min Scan# 1012

Delta R.T. -0.048 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

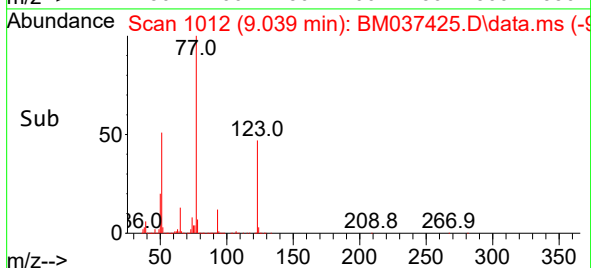
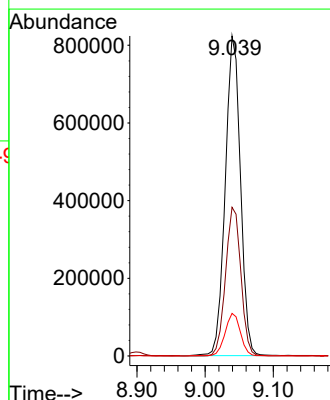
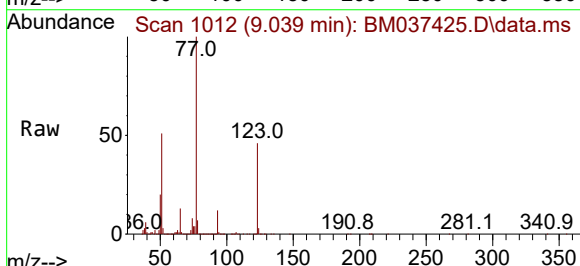
Tgt Ion: 77 Resp: 1278882

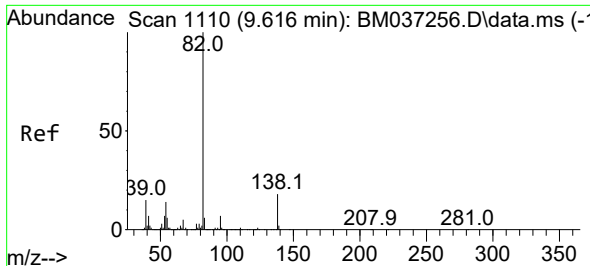
Ion Ratio Lower Upper

77 100

123 46.5 36.6 55.0

65 13.3 10.6 16.0

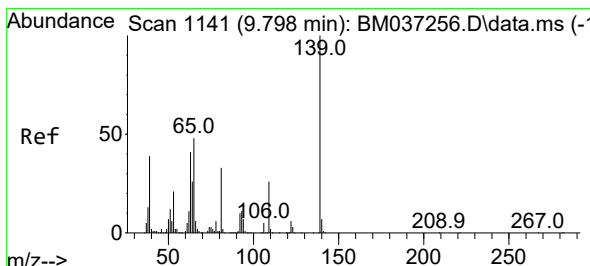
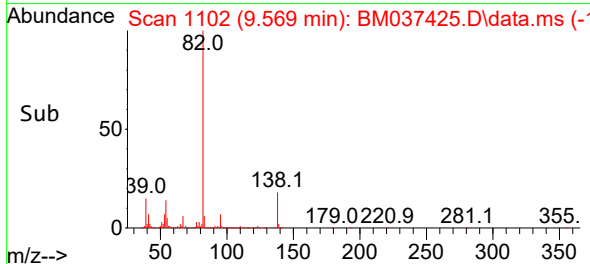
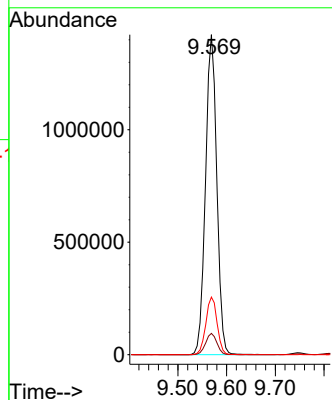
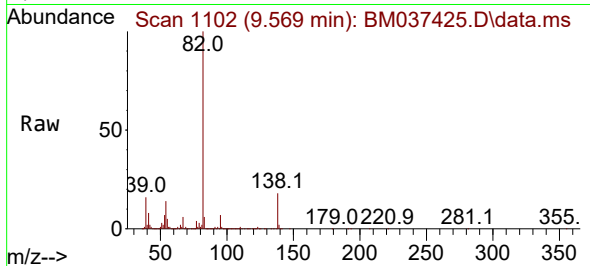




#25
Isophorone
Concen: 48.429 ng
RT: 9.569 min Scan# 1110
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

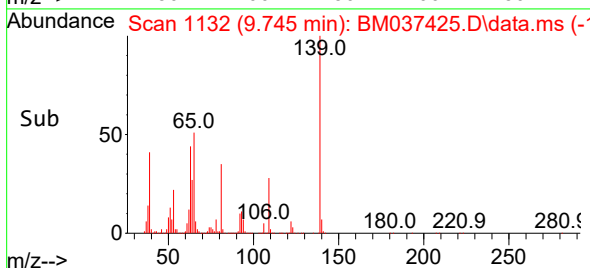
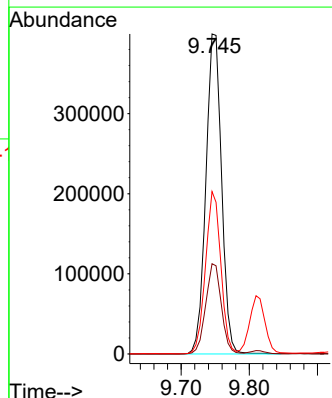
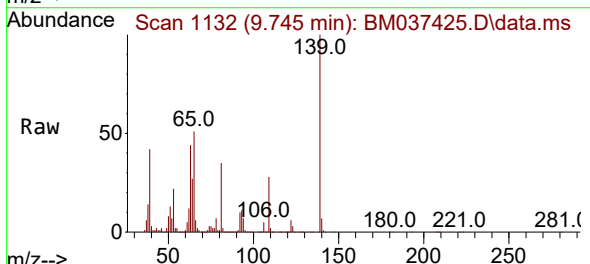
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

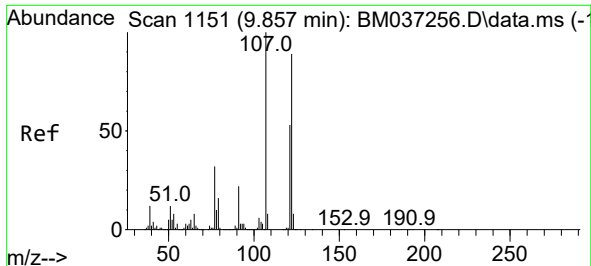
Tgt Ion: 82 Resp: 2276129
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 18.0 14.2 21.4



#26
2-Nitrophenol
Concen: 50.213 ng
RT: 9.745 min Scan# 1132
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

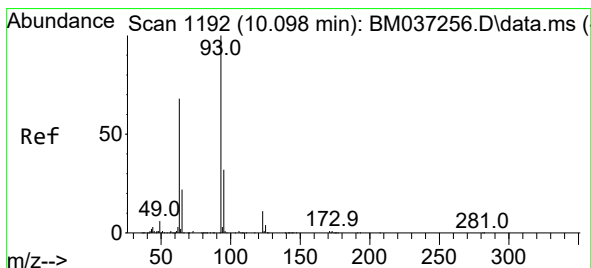
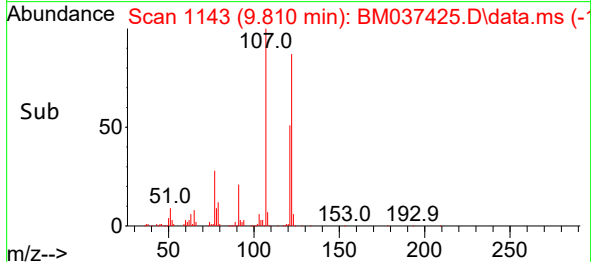
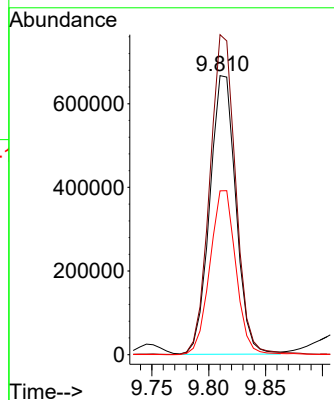
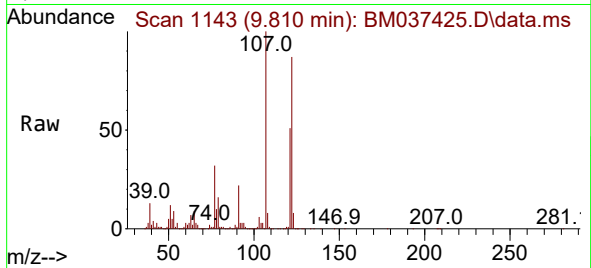




#27
2,4-Dimethylphenol
Concen: 56.313 ng
RT: 9.810 min Scan# 1151
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

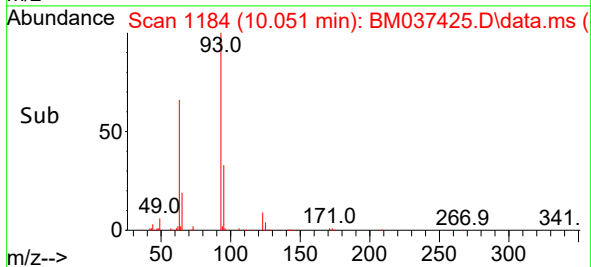
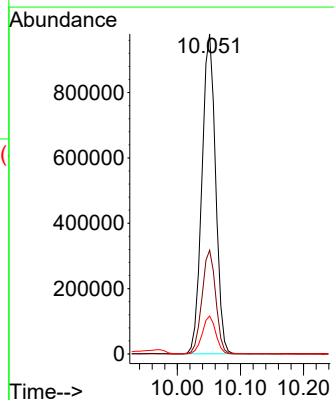
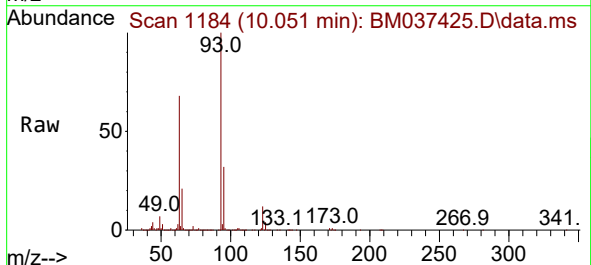
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

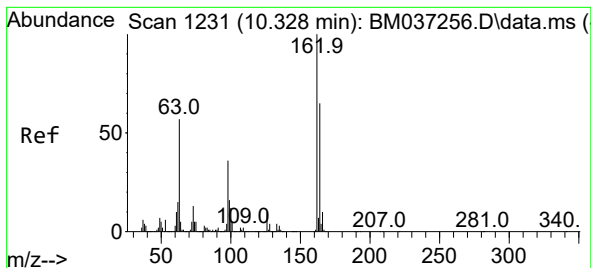
Tgt Ion:122 Resp: 1066674
Ion Ratio Lower Upper
122 100
107 114.7 89.7 134.5
121 58.7 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 50.160 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion: 93 Resp: 1466795
Ion Ratio Lower Upper
93 100
95 32.4 25.8 38.8
123 11.8 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 49.200 ng

RT: 10.280 min Scan# 11

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

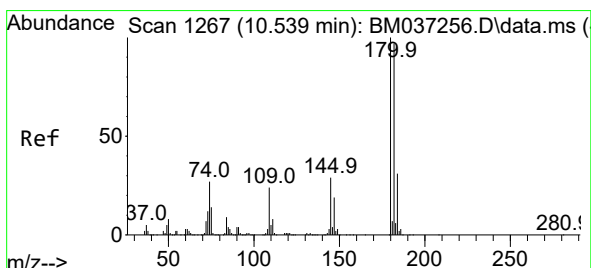
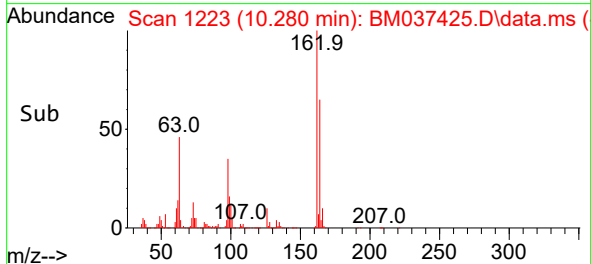
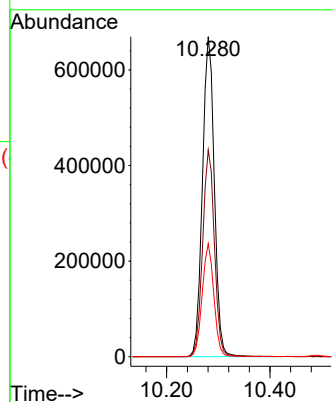
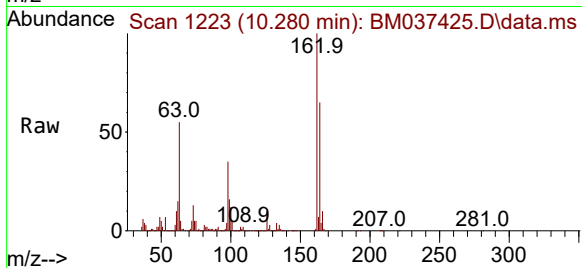
Tgt Ion:162 Resp: 1069790

Ion Ratio Lower Upper

162 100

164 64.6 45.0 85.0

98 35.3 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 46.808 ng

RT: 10.486 min Scan# 1258

Delta R.T. -0.053 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

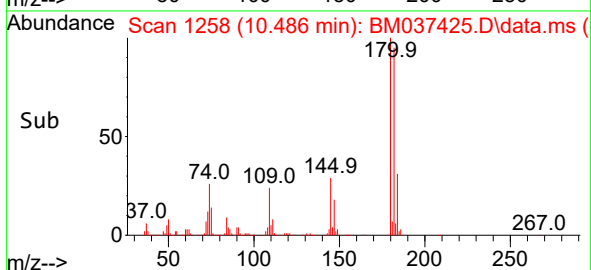
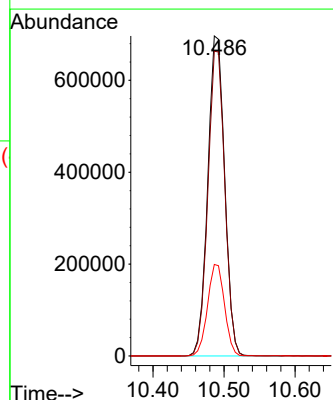
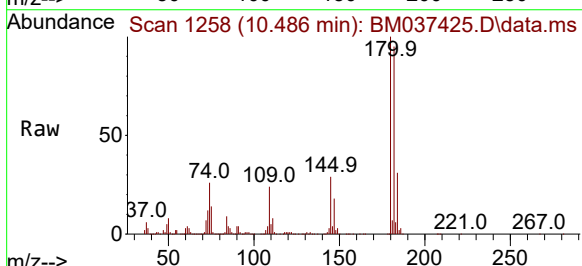
Tgt Ion:180 Resp: 1154188

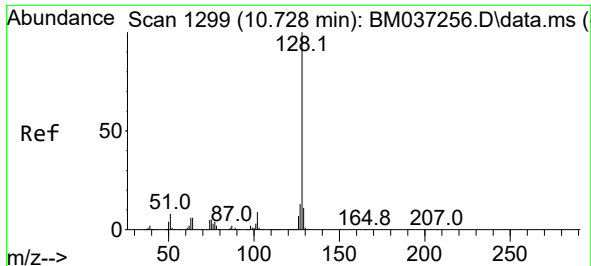
Ion Ratio Lower Upper

180 100

182 95.2 77.5 116.3

145 28.6 23.5 35.3

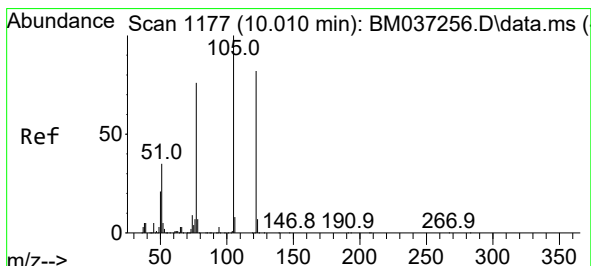
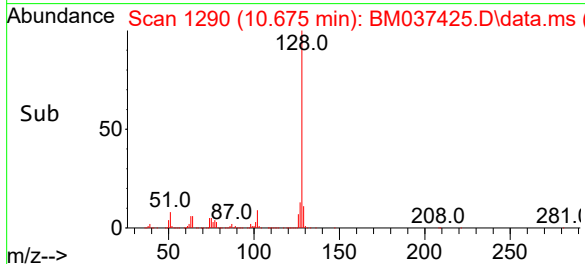
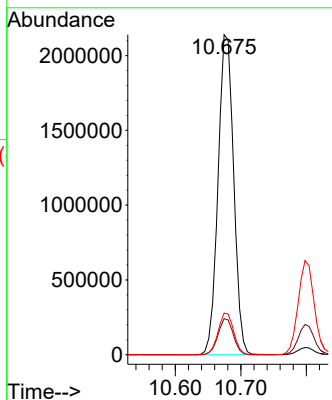
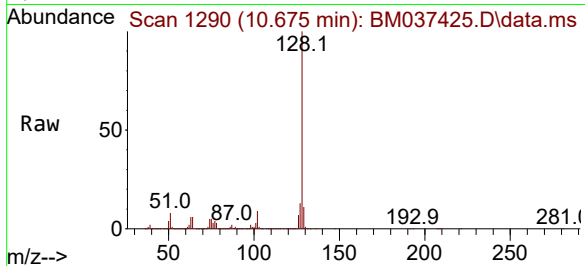




#31
Naphthalene
Concen: 43.804 ng
RT: 10.675 min Scan# 1171
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

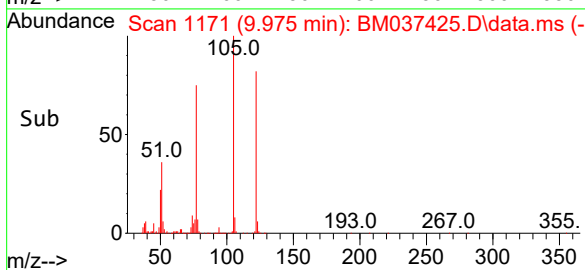
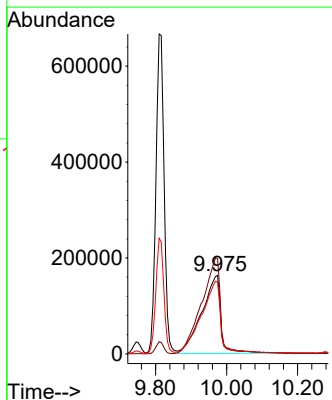
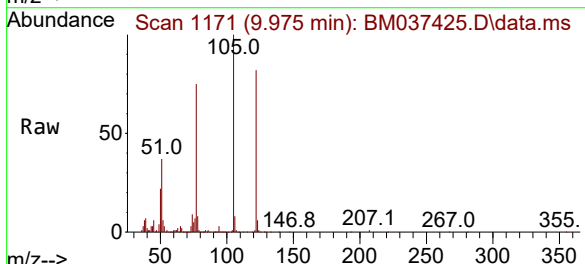
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

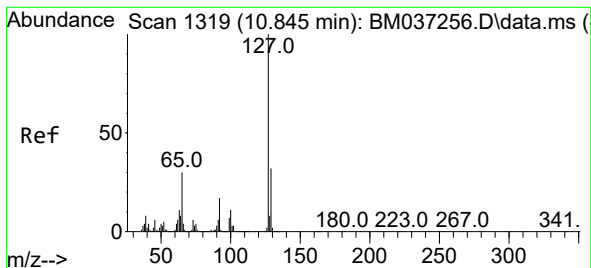
Tgt Ion:128 Resp: 3521157
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.0 10.2 15.2



#32
Benzoic acid
Concen: 37.368 ng
RT: 9.975 min Scan# 1171
Delta R.T. -0.035 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

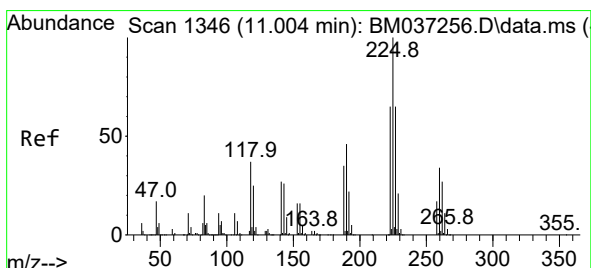
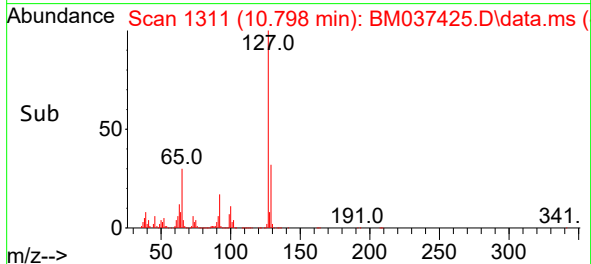
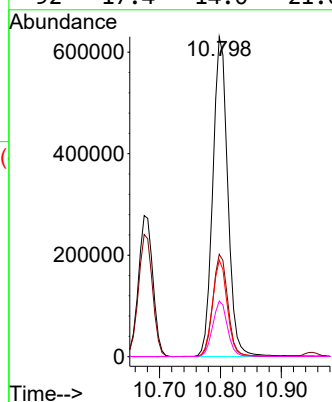
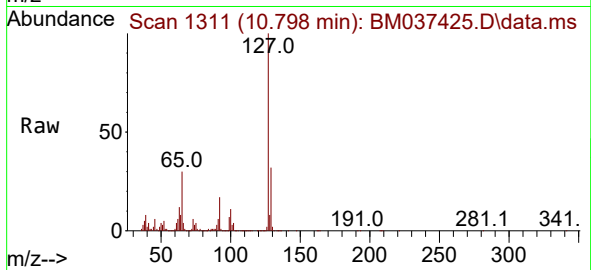




#33
4-Chloroaniline
Concen: 33.594 ng
RT: 10.798 min Scan# 11
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

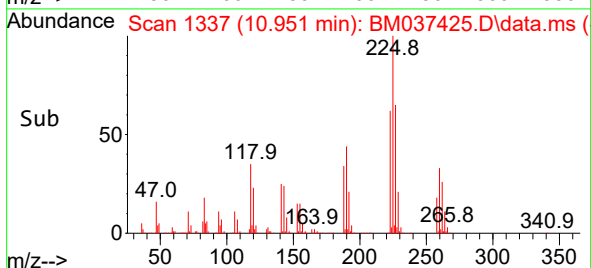
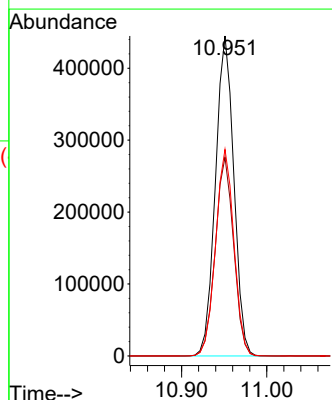
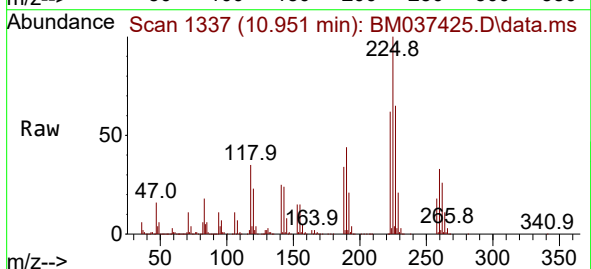
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

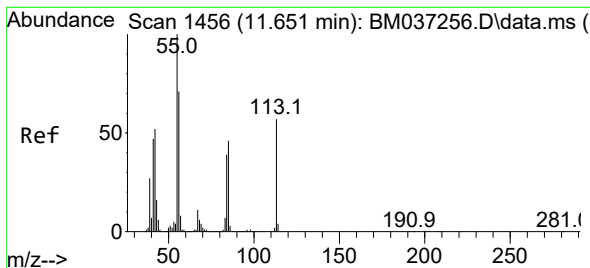
Tgt Ion:127 Resp: 1075666
Ion Ratio Lower Upper
127 100
129 32.0 25.5 38.3
65 30.2 24.0 36.0
92 17.4 14.0 21.0



#34
Hexachlorobutadiene
Concen: 48.564 ng
RT: 10.951 min Scan# 1337
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

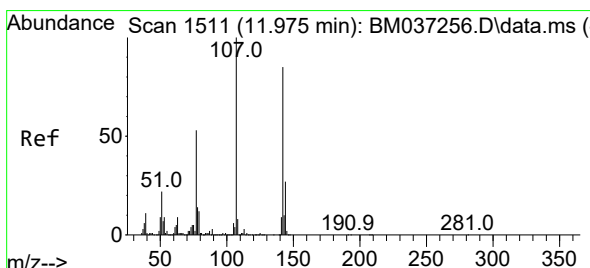
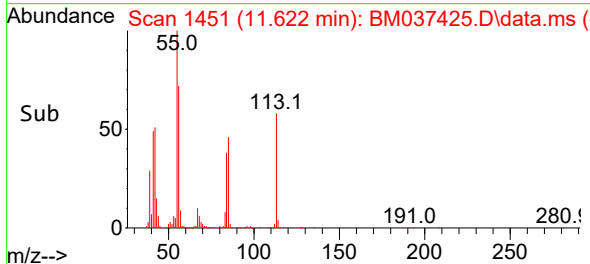
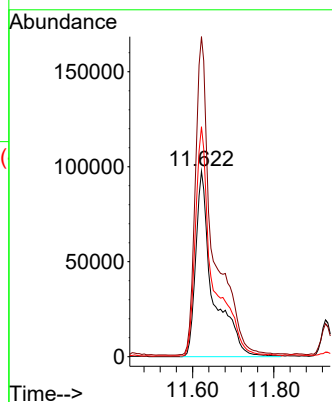
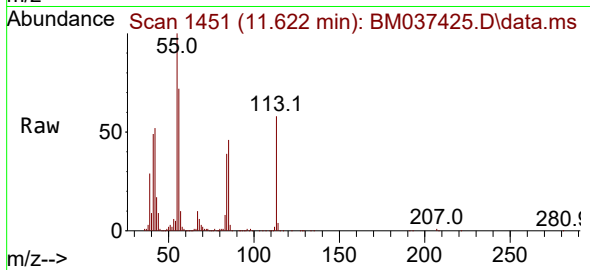




#35
 Caprolactam
 Concen: 43.734 ng
 RT: 11.622 min Scan# 1456
 Delta R.T. -0.030 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

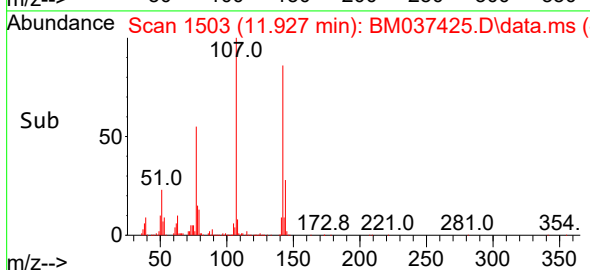
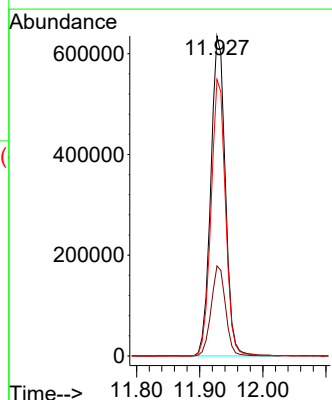
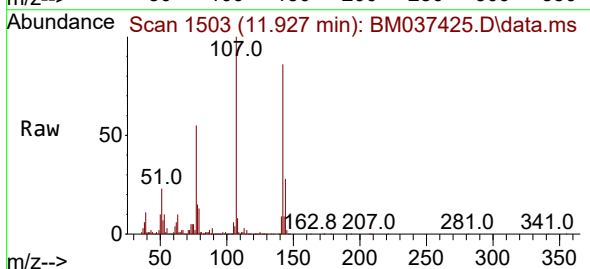
Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

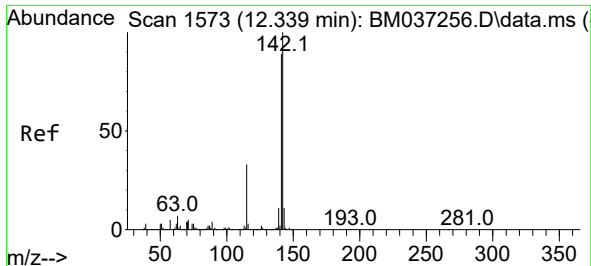
Tgt Ion:113 Resp: 289099
 Ion Ratio Lower Upper
 113 100
 55 172.5 156.9 196.9
 56 124.0 106.4 146.4



#36
 4-Chloro-3-methylphenol
 Concen: 45.339 ng
 RT: 11.927 min Scan# 1503
 Delta R.T. -0.047 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

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





#37

2-Methylnaphthalene

Concen: 44.543 ng

RT: 12.286 min Scan# 1

Delta R.T. -0.053 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

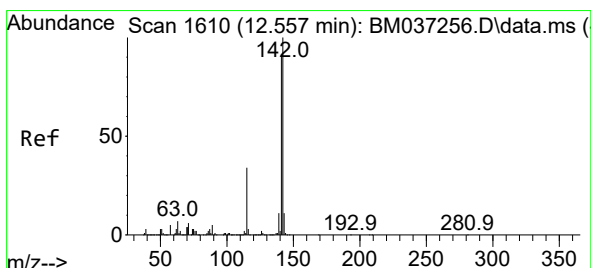
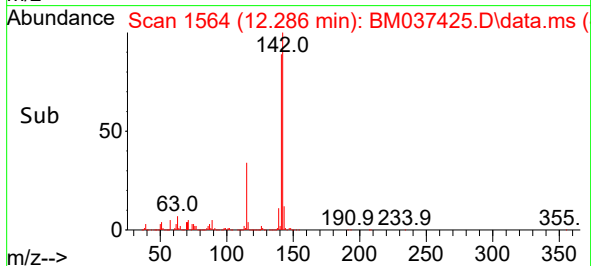
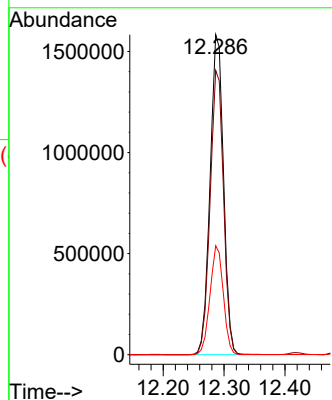
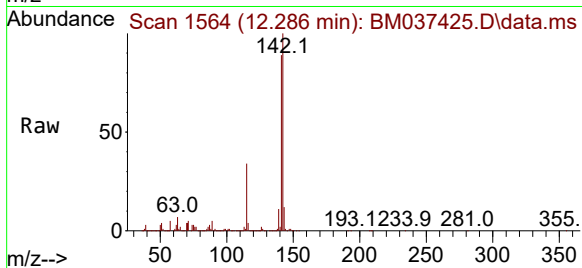
Tgt Ion:142 Resp: 2425901

Ion Ratio Lower Upper

142 100

141 88.8 71.3 106.9

115 34.1 26.0 39.0



#38

1-Methylnaphthalene

Concen: 42.616 ng

RT: 12.510 min Scan# 1602

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

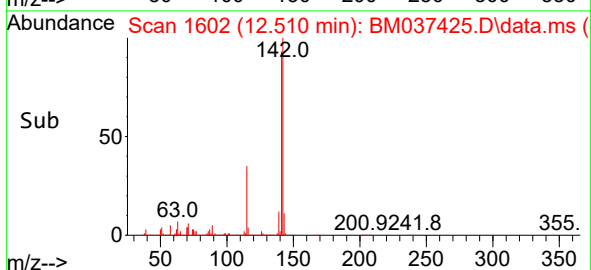
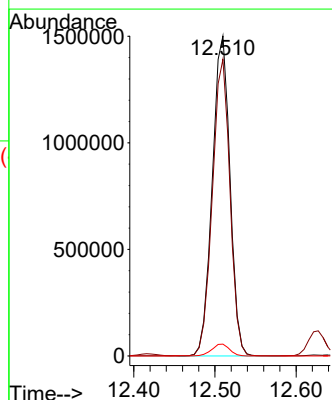
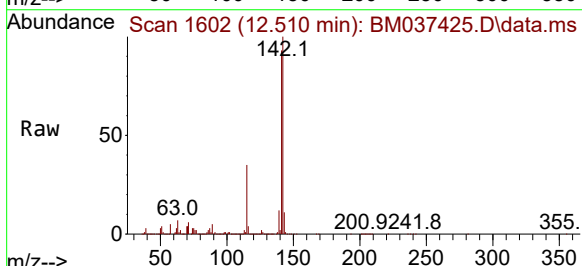
Tgt Ion:142 Resp: 2267851

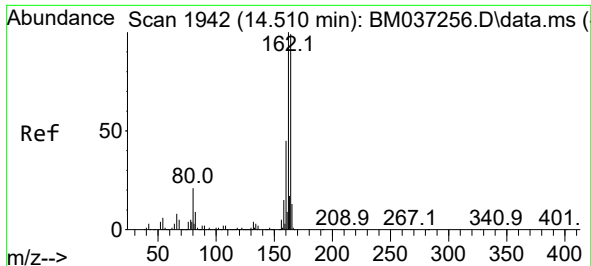
Ion Ratio Lower Upper

142 100

141 92.7 73.0 109.6

116 3.7 2.8 4.2

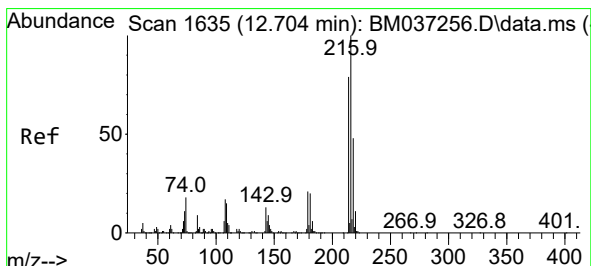
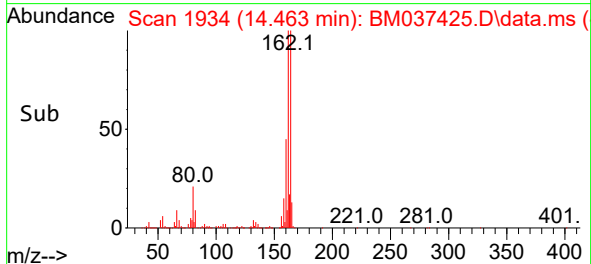
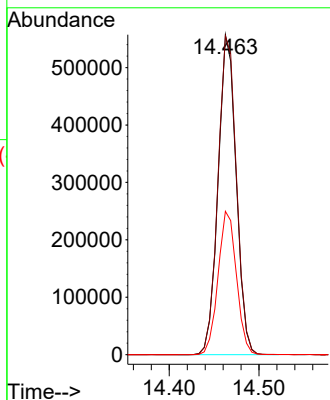
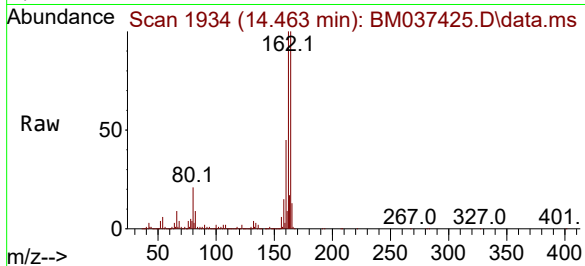




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1942
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

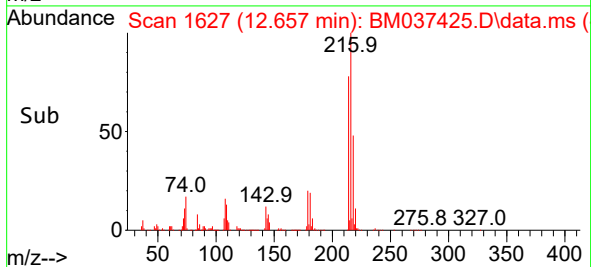
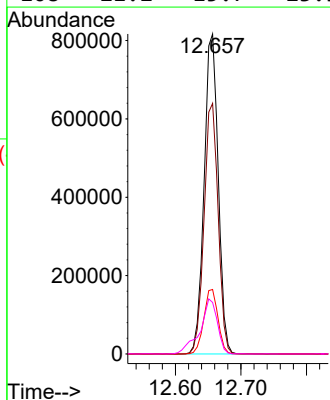
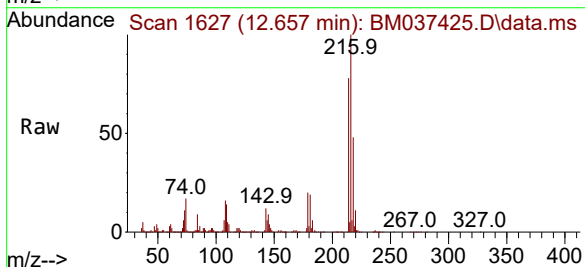
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

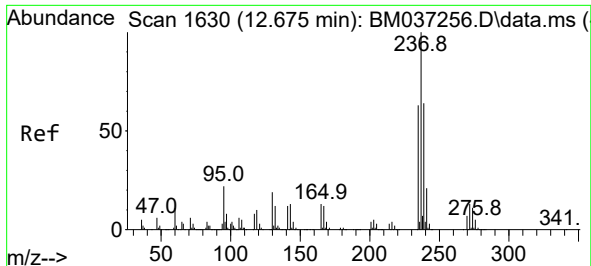
Tgt Ion:164 Resp: 778600
Ion Ratio Lower Upper
164 100
162 99.6 80.6 120.8
160 44.8 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.164 ng
RT: 12.657 min Scan# 1627
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

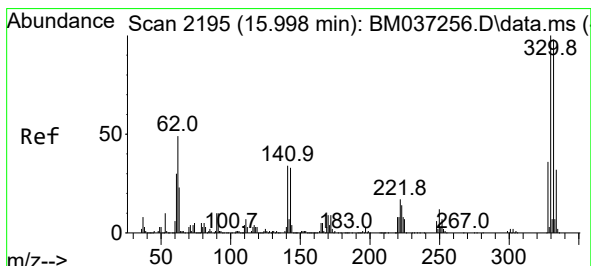
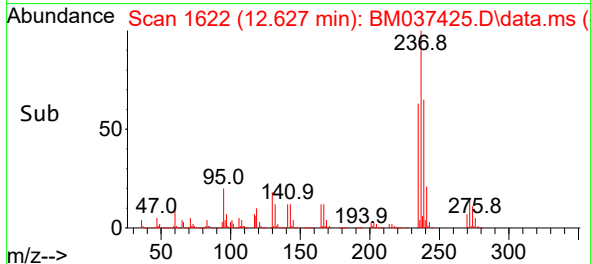
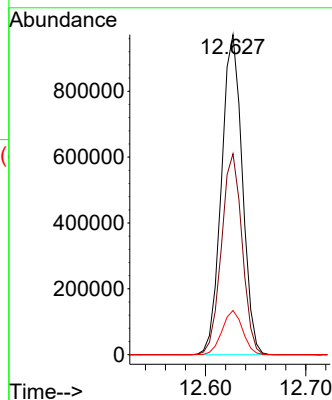
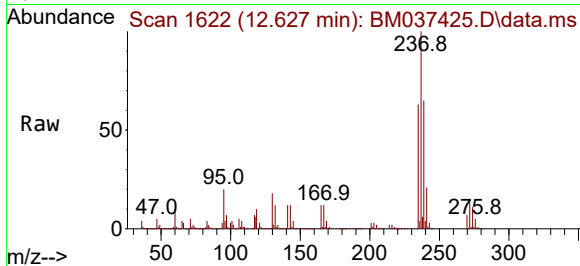




#41
Hexachlorocyclopentadiene
Concen: 125.299 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.048 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

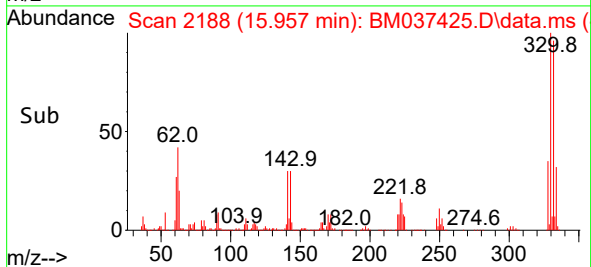
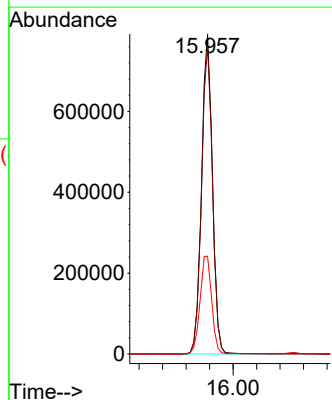
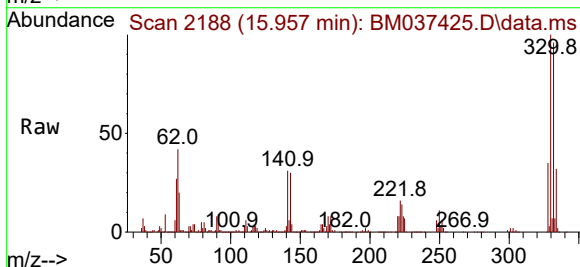
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BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

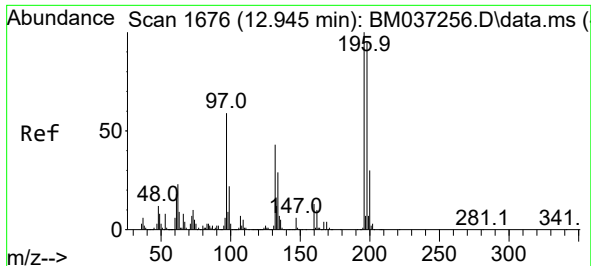
Tgt Ion:237 Resp: 1397551
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 13.8 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 110.907 ng
RT: 15.957 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

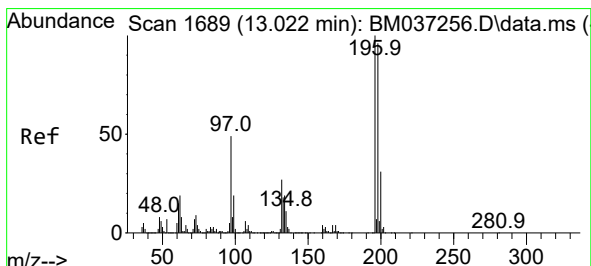
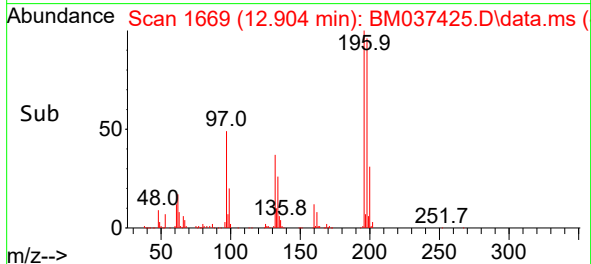
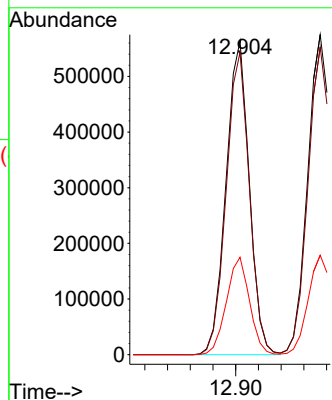
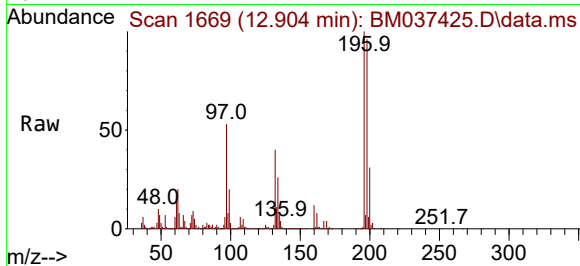




#43
2,4,6-Trichlorophenol
Concen: 49.745 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

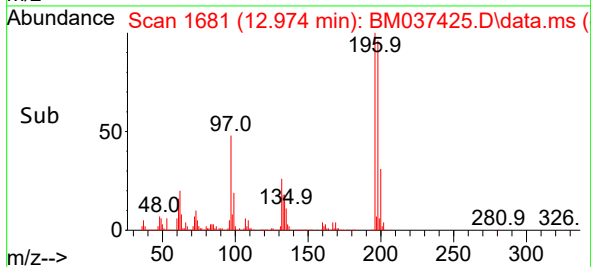
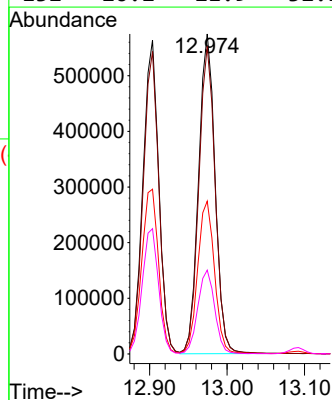
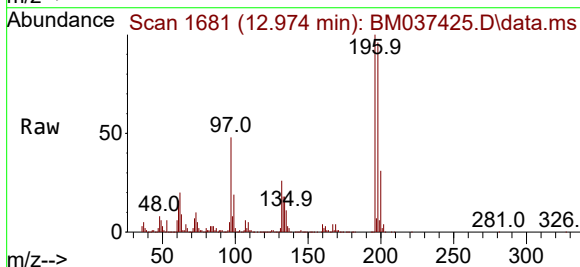
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

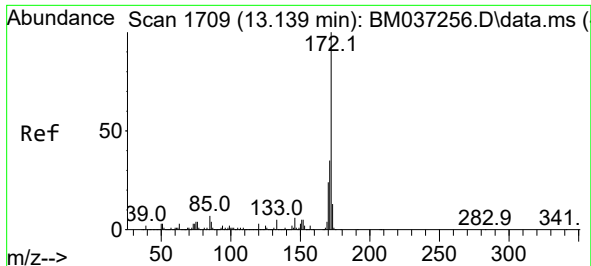
Tgt Ion:196 Resp: 801676
Ion Ratio Lower Upper
196 100
198 96.4 76.1 114.1
200 31.1 24.4 36.6



#44
2,4,5-Trichlorophenol
Concen: 47.878 ng
RT: 12.974 min Scan# 1681
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:196 Resp: 851151
Ion Ratio Lower Upper
196 100
198 96.1 77.0 115.6
97 47.7 39.4 59.2
132 26.2 21.9 32.9

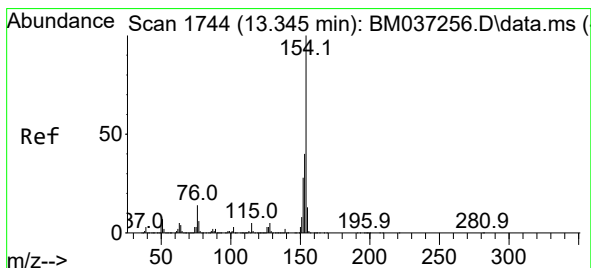
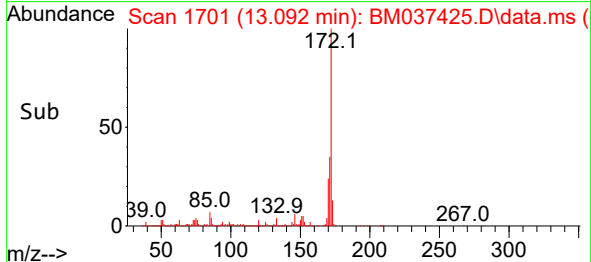
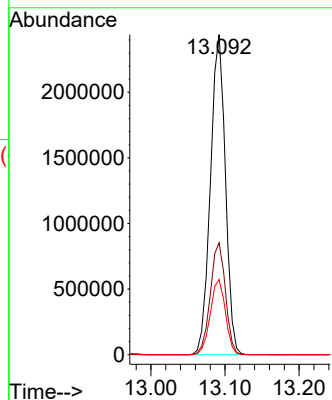
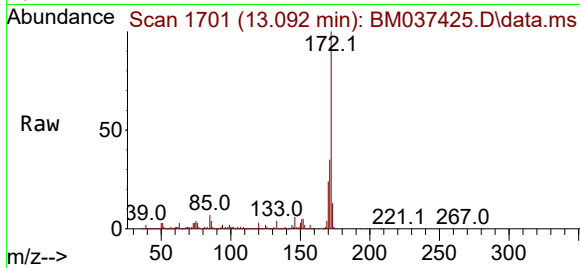




#45
2-Fluorobiphenyl
Concen: 58.278 ng
RT: 13.092 min Scan# 1737
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

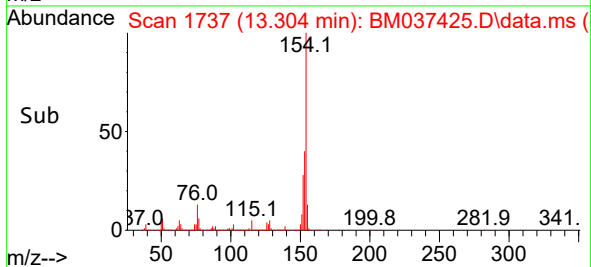
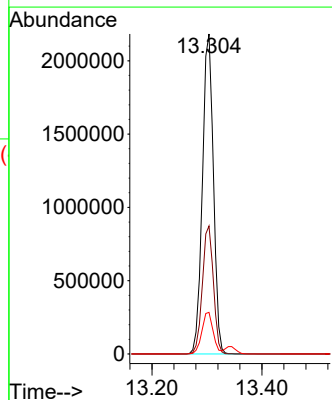
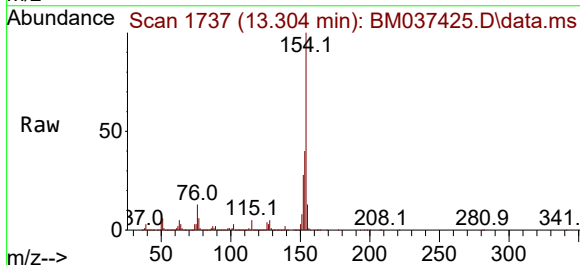
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

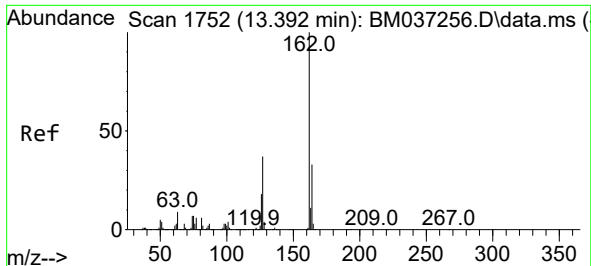
Tgt Ion:172 Resp: 3415010
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.5 19.0 28.4



#46
1,1'-Biphenyl
Concen: 48.356 ng
RT: 13.304 min Scan# 1737
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

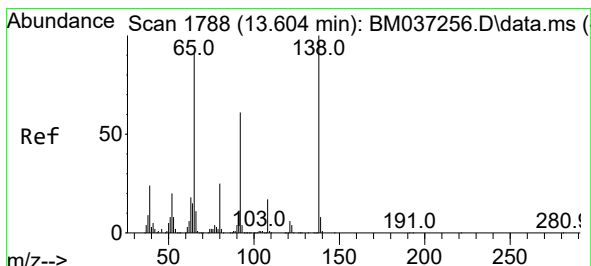
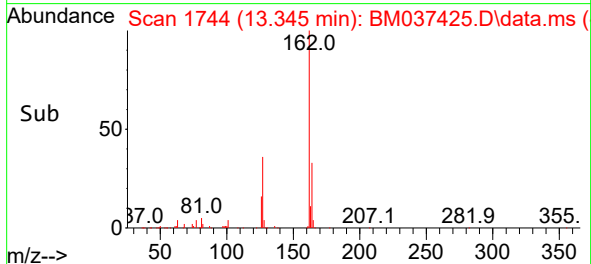
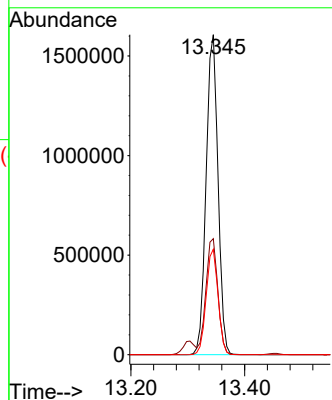
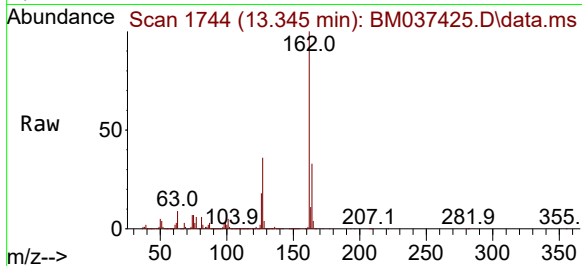




#47
2-Chloronaphthalene
Concen: 46.484 ng
RT: 13.345 min Scan# 1752
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

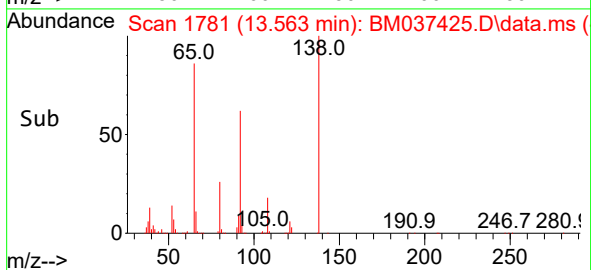
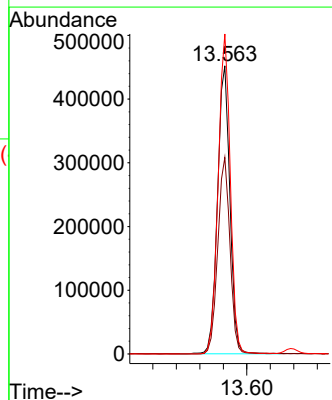
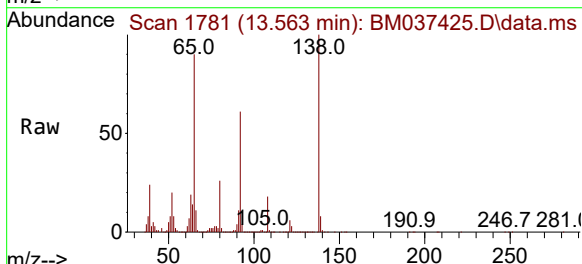
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ClientSampleId :
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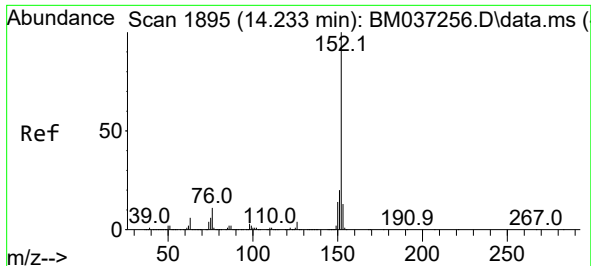
Tgt Ion:162 Resp: 2324236
Ion Ratio Lower Upper
162 100
127 36.3 29.5 44.3
164 32.9 26.3 39.5



#48
2-Nitroaniline
Concen: 45.736 ng
RT: 13.563 min Scan# 1781
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

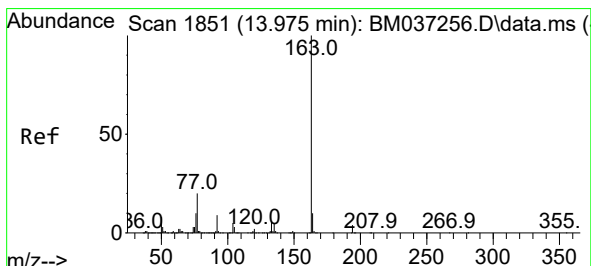
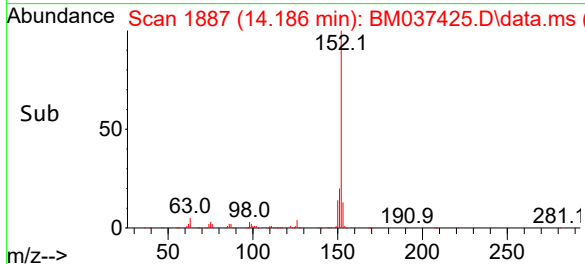
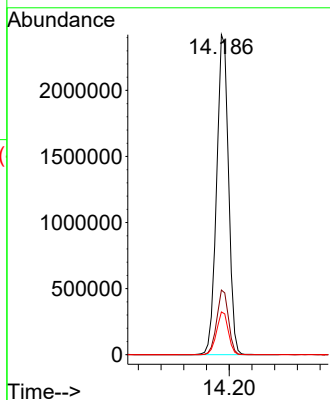
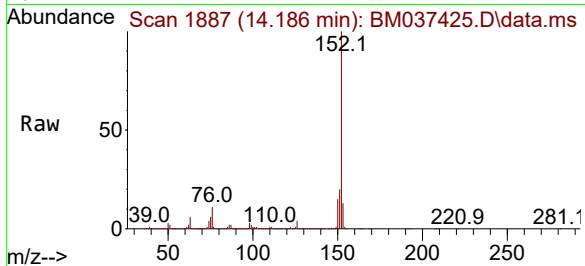




#49
Acenaphthylene
Concen: 45.541 ng
RT: 14.186 min Scan# 1887
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

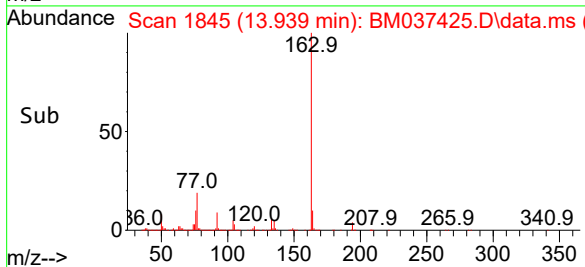
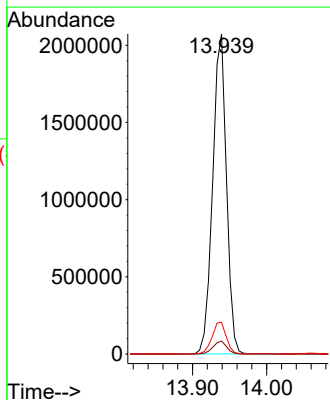
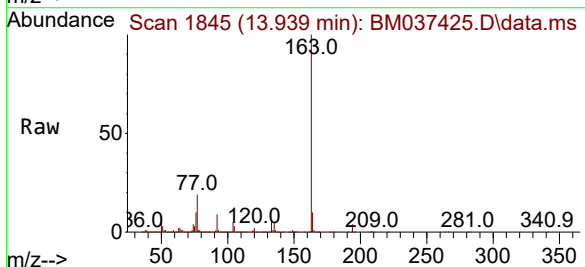
Instrument :
BNA_M
ClientSampleId :
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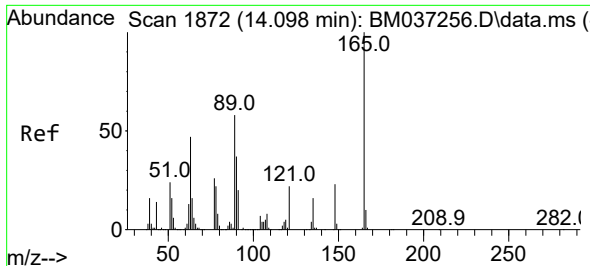
Tgt Ion:152 Resp: 3534734
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 44.924 ng
RT: 13.939 min Scan# 1845
Delta R.T. -0.036 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

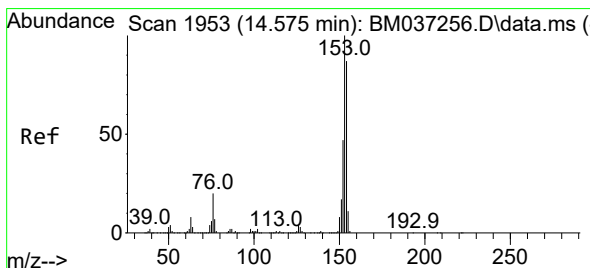
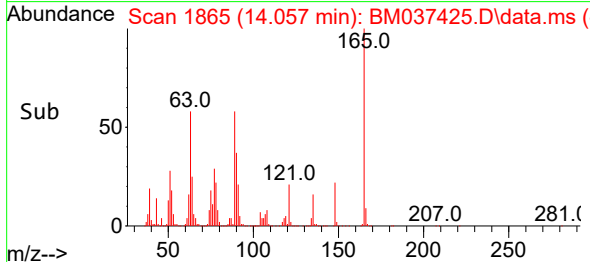
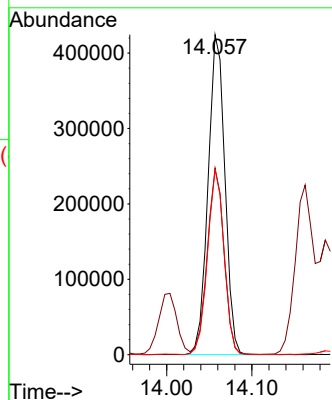
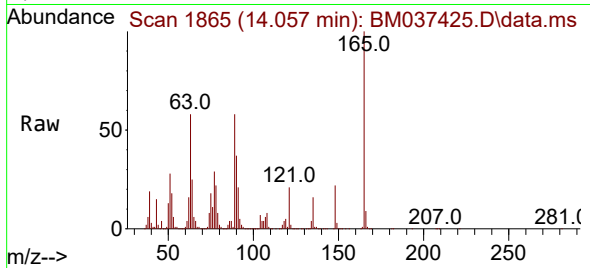




#51
2,6-Dinitrotoluene
Concen: 46.171 ng
RT: 14.057 min Scan# 1872
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

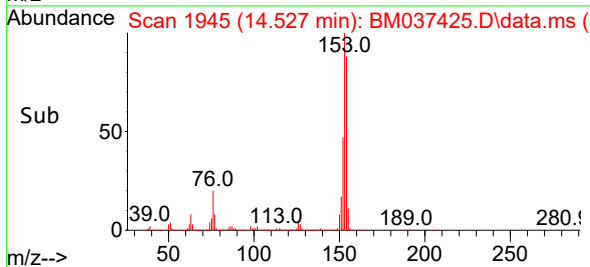
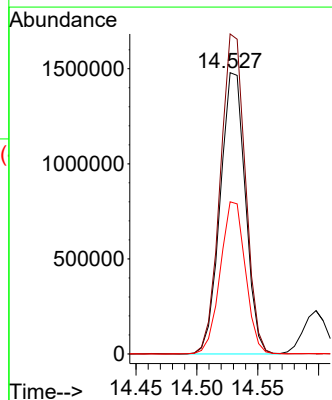
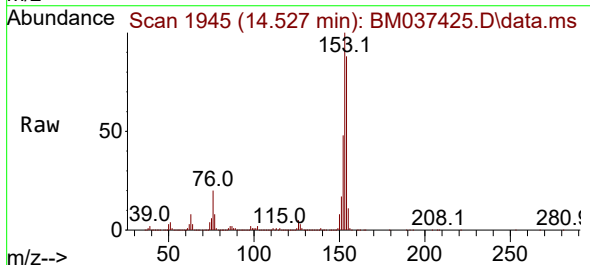
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

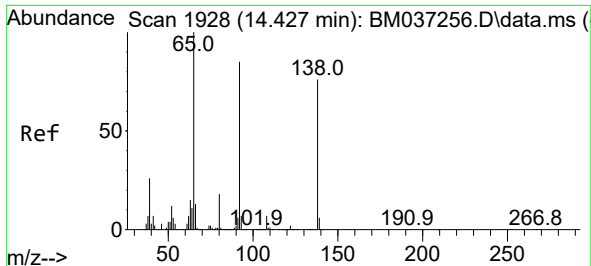
Tgt Ion:165 Resp: 581480
Ion Ratio Lower Upper
165 100
63 58.3 46.2 69.2
89 57.9 46.6 69.8



#52
Acenaphthene
Concen: 44.296 ng
RT: 14.527 min Scan# 1945
Delta R.T. -0.048 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

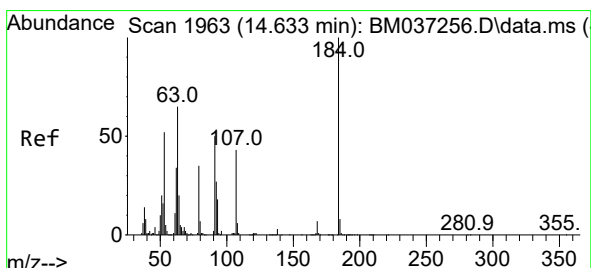
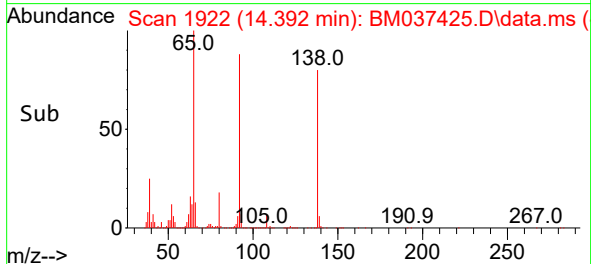
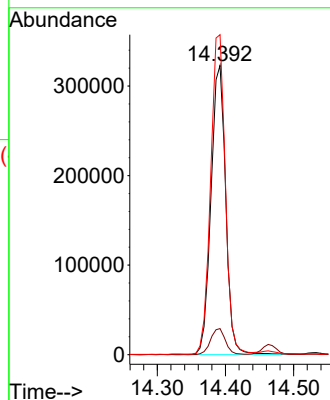
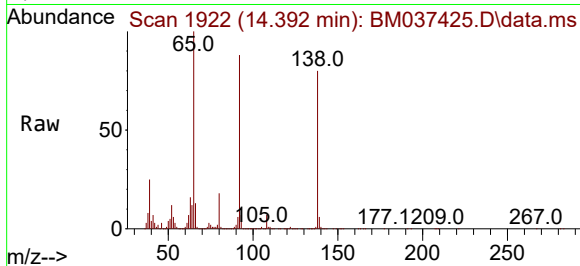




#53
3-Nitroaniline
Concen: 34.555 ng
RT: 14.392 min Scan# 1957
Delta R.T. -0.035 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

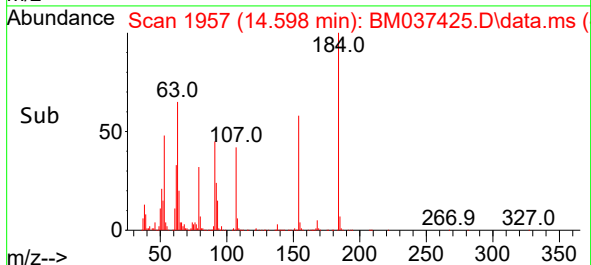
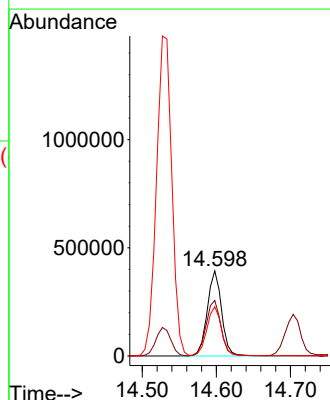
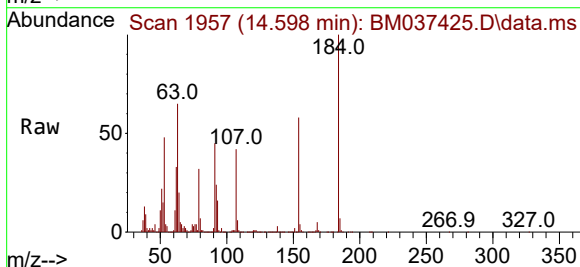
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BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

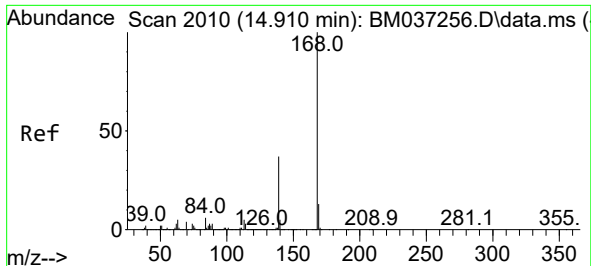
Tgt Ion:138 Resp: 486176
Ion Ratio Lower Upper
138 100
108 9.0 7.3 10.9
92 110.6 89.8 134.8



#54
2,4-Dinitrophenol
Concen: 65.202 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.035 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

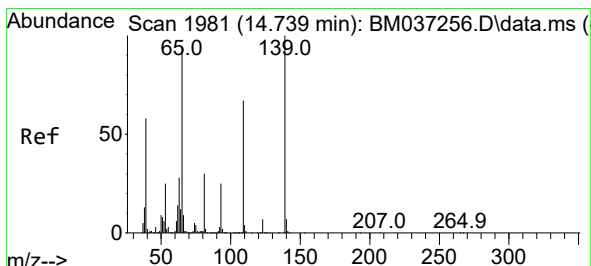
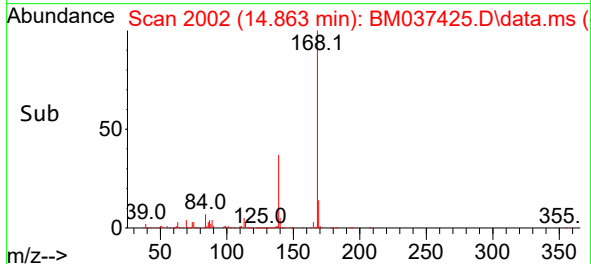
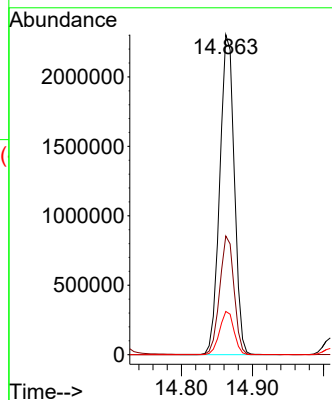
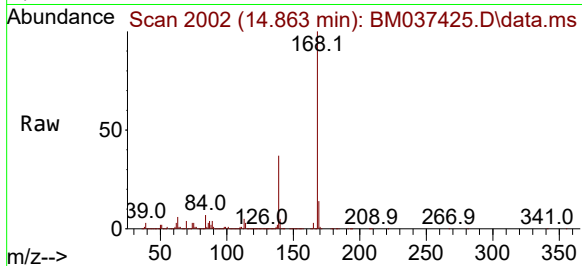




#55
Dibenzofuran
Concen: 44.091 ng
RT: 14.863 min Scan# 20
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

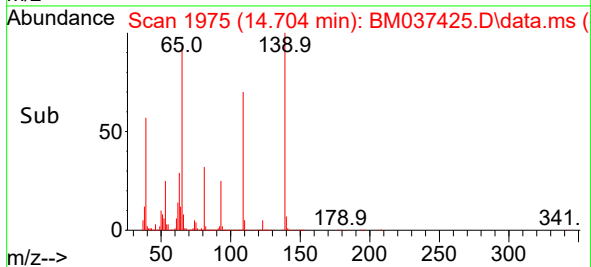
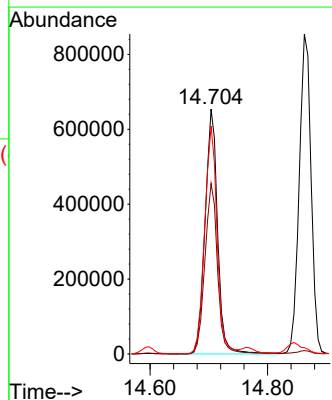
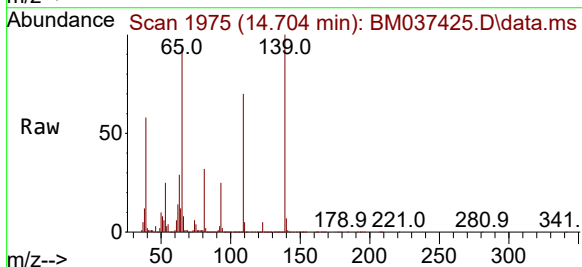
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

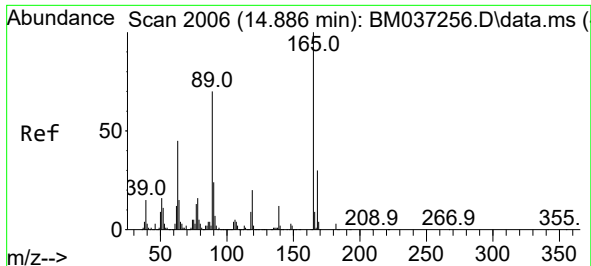
Tgt Ion:168 Resp: 3258706
Ion Ratio Lower Upper
168 100
139 37.1 29.3 43.9
169 13.5 10.6 16.0



#56
4-Nitrophenol
Concen: 85.986 ng
RT: 14.704 min Scan# 1975
Delta R.T. -0.035 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

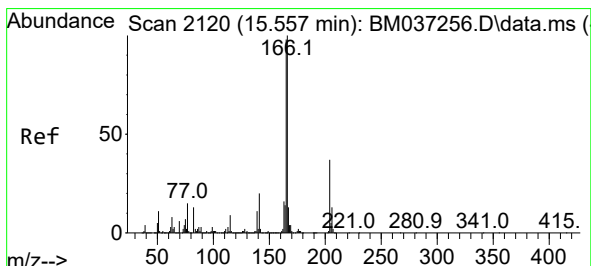
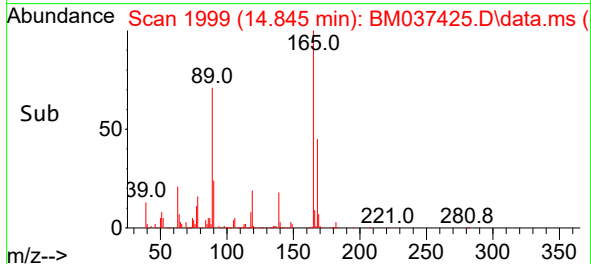
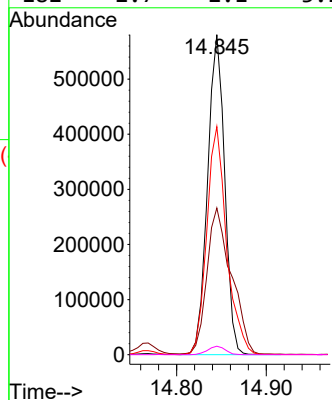
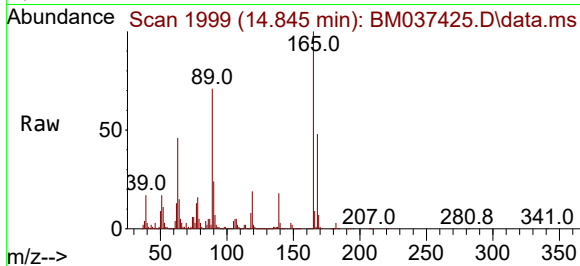




#57
2,4-Dinitrotoluene
Concen: 46.346 ng
RT: 14.845 min Scan# 1999
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

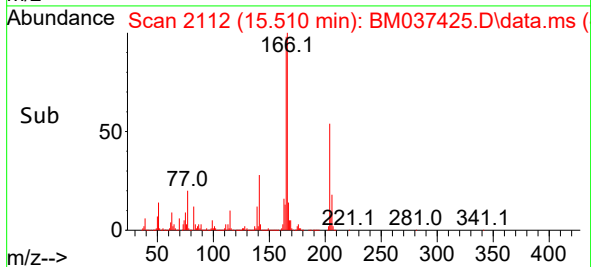
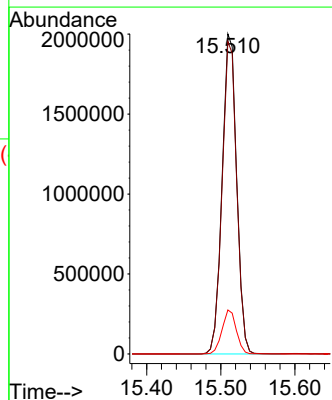
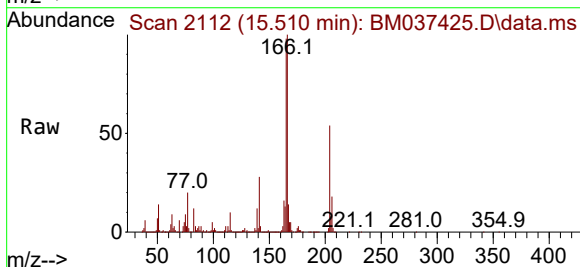
Instrument :
BNA_M
ClientSampleId :
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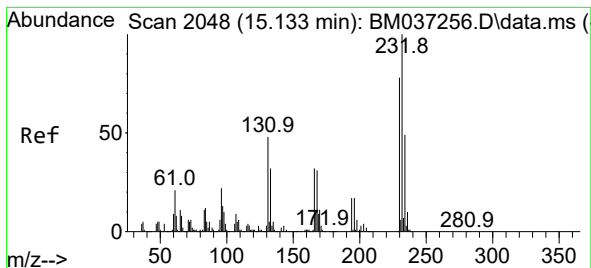
Tgt Ion:165 Resp: 768053
Ion Ratio Lower Upper
165 100
63 45.8 36.3 54.5
89 71.3 56.3 84.5
182 2.7 2.1 3.1



#58
Fluorene
Concen: 44.192 ng
RT: 15.510 min Scan# 2112
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

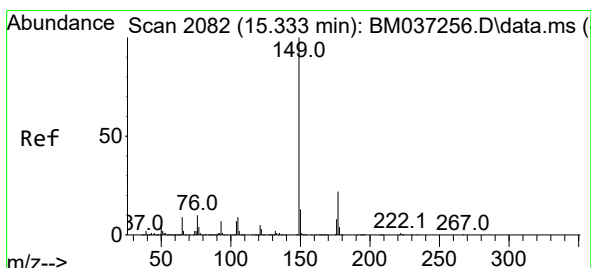
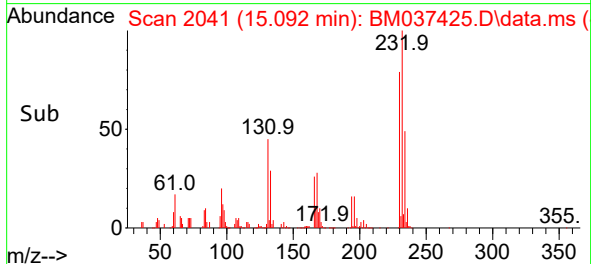
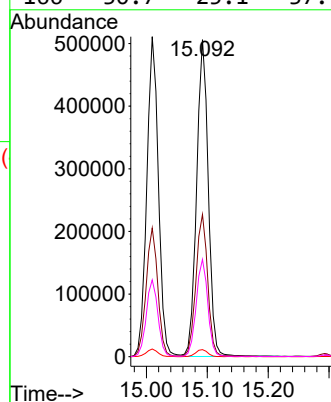
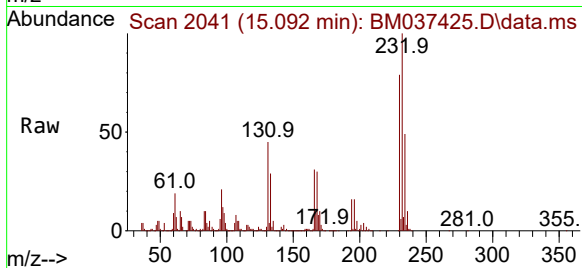




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.127 ng
RT: 15.092 min Scan# 2041
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

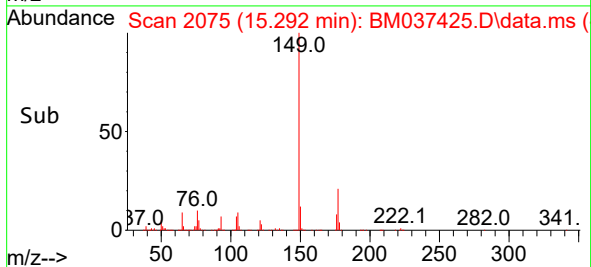
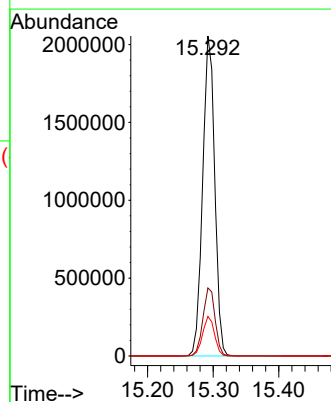
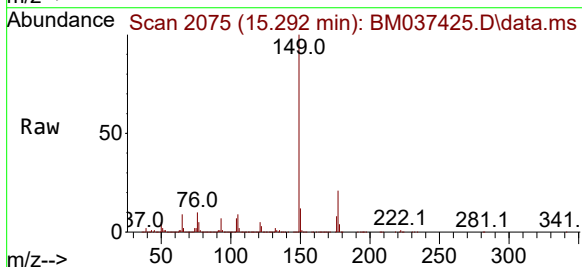
Instrument :
BNA_M
ClientSampleId :
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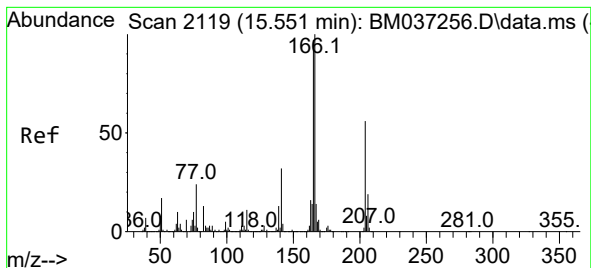
Tgt Ion:232 Resp: 672418
Ion Ratio Lower Upper
232 100
131 45.4 37.8 56.8
130 2.3 1.9 2.9
166 30.7 25.1 37.7



#60
Diethylphthalate
Concen: 45.538 ng
RT: 15.292 min Scan# 2075
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:149 Resp: 2632155
Ion Ratio Lower Upper
149 100
177 21.2 17.4 26.0
150 12.3 10.0 15.0

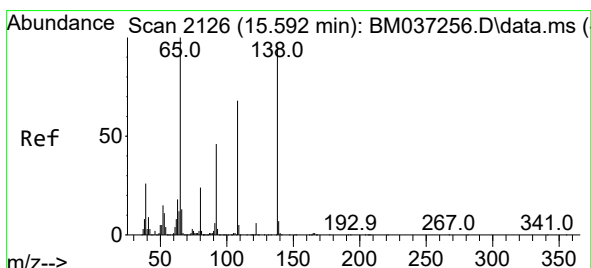
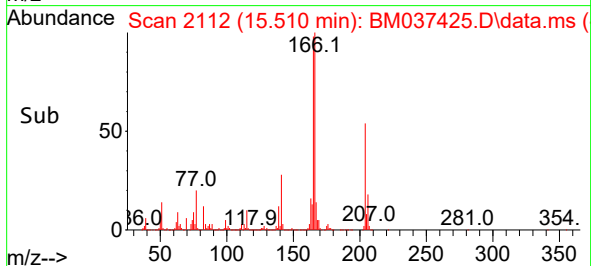
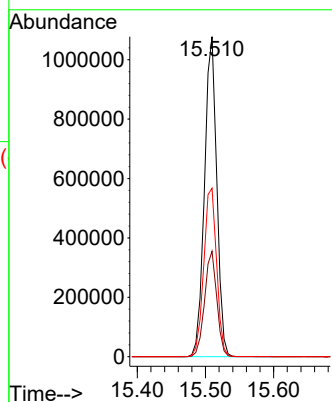
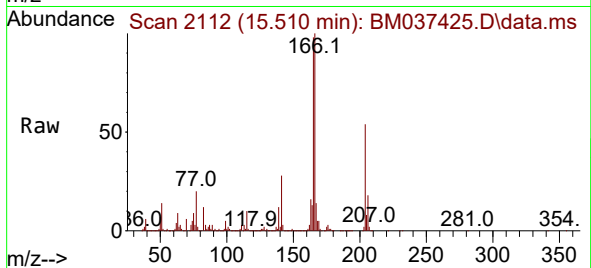




#61
4-Chlorophenyl-phenylether
Concen: 47.319 ng
RT: 15.510 min Scan# 2119
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

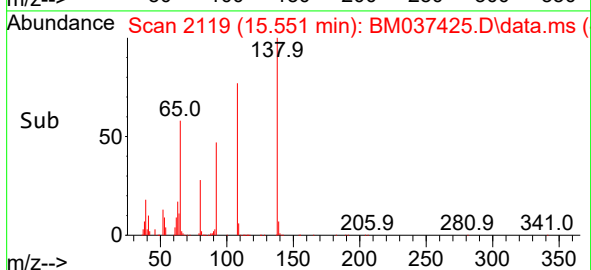
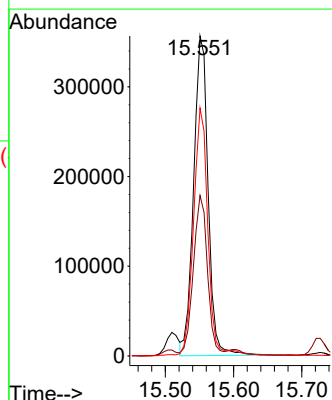
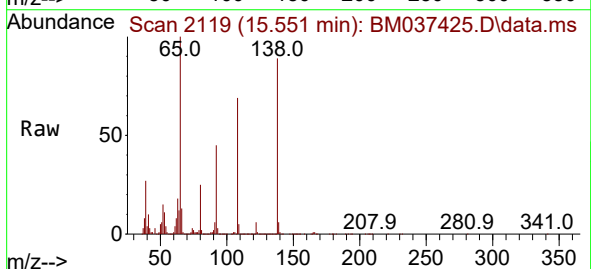
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

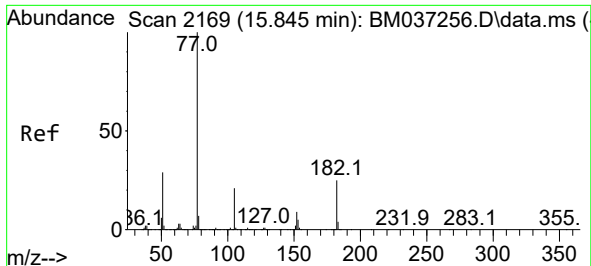
Tgt Ion:204 Resp: 1350520
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 52.7 45.2 67.8



#62
4-Nitroaniline
Concen: 37.228 ng
RT: 15.551 min Scan# 2119
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

Tgt Ion:138 Resp: 525316
Ion Ratio Lower Upper
138 100
92 50.1 28.1 68.1
108 77.5 51.3 91.3



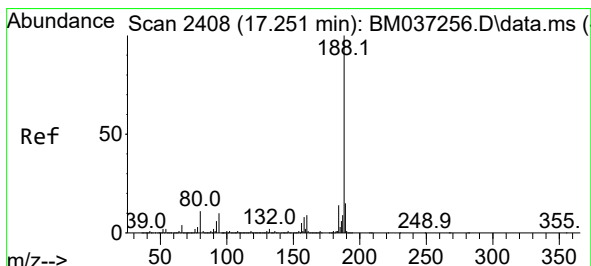
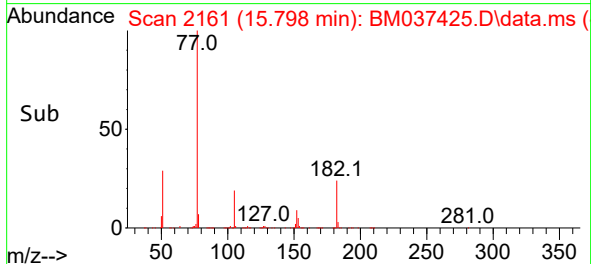
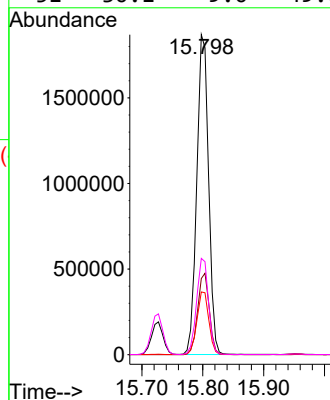
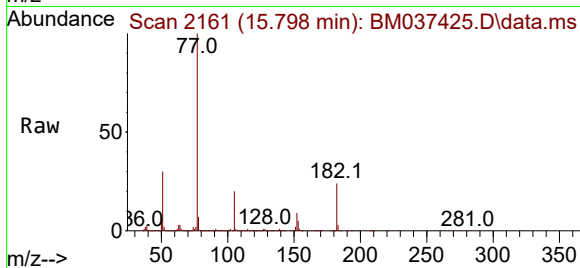


#63
 Azobenzene
 Concen: 44.059 ng
 RT: 15.798 min Scan# 2161
 Delta R.T. -0.047 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

Tgt Ion: 77 Resp: 2508808

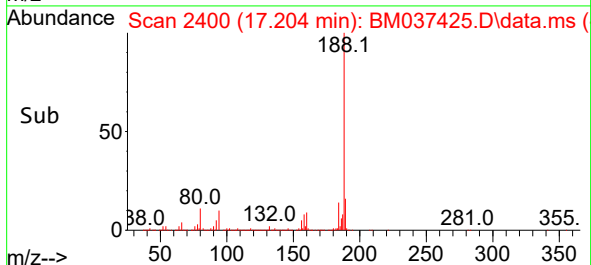
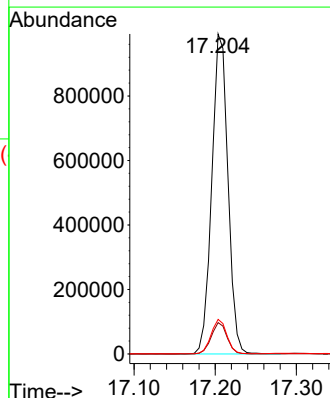
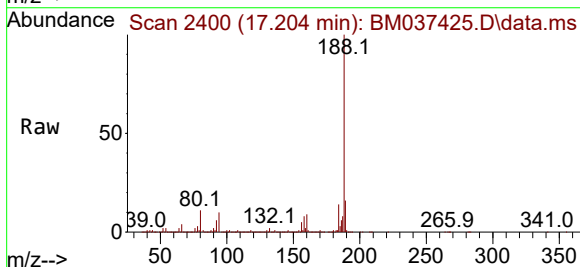
Ion	Ratio	Lower	Upper
77	100		
182	23.8	5.1	45.1
105	19.6	0.5	40.5
51	30.1	9.0	49.0

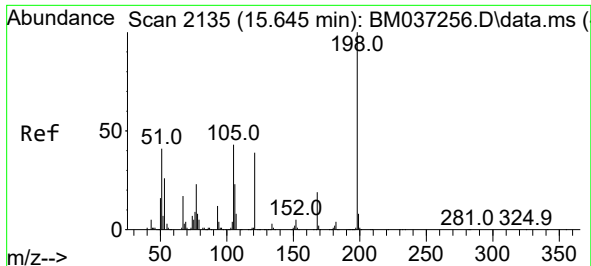


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.204 min Scan# 2400
 Delta R.T. -0.047 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

Tgt Ion: 188 Resp: 1368418

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.8	8.5	12.7

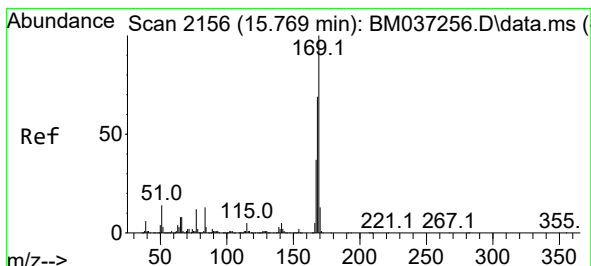
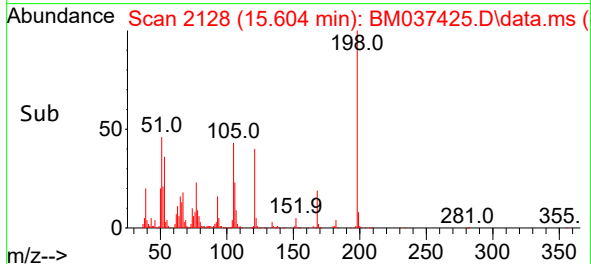
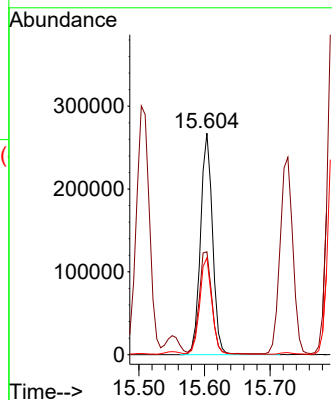
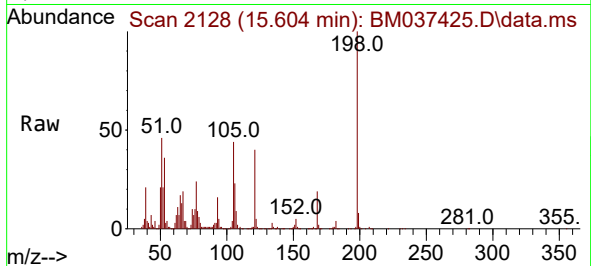




#65
4,6-Dinitro-2-methylphenol
Concen: 37.097 ng
RT: 15.604 min Scan# 2149
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

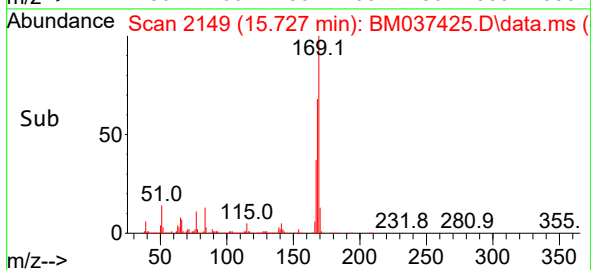
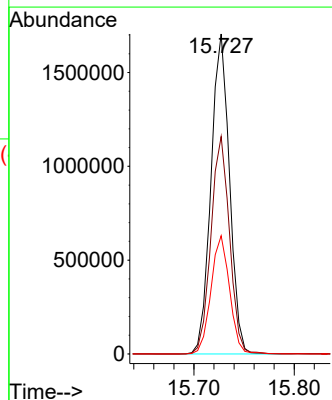
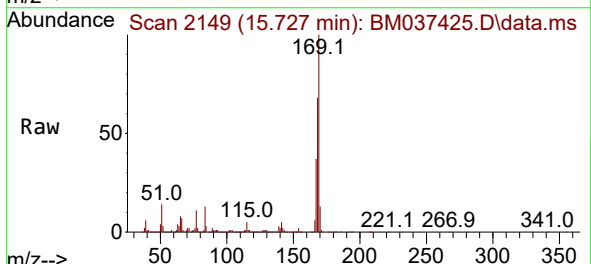
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

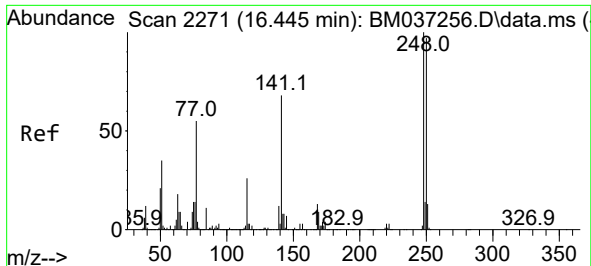
Tgt Ion:198 Resp: 342002
Ion Ratio Lower Upper
198 100
51 46.5 26.8 66.8
105 43.7 24.1 64.1



#66
n-Nitrosodiphenylamine
Concen: 47.239 ng
RT: 15.727 min Scan# 2149
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

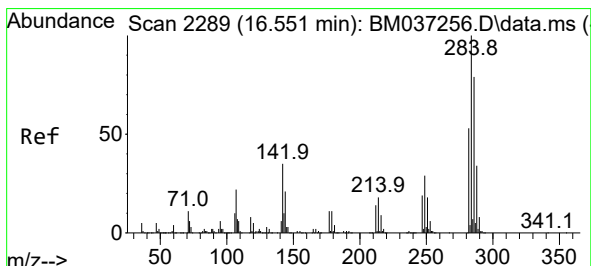
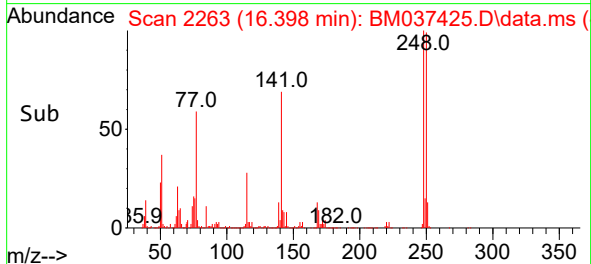
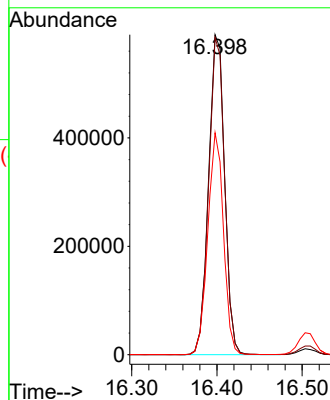
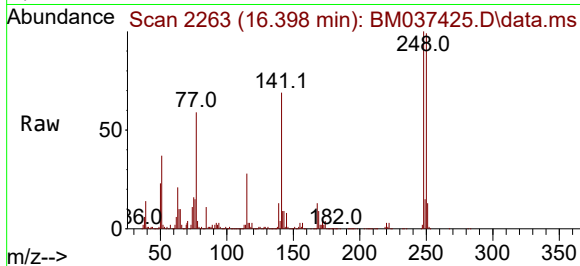




#67
4-Bromophenyl-phenylether
Concen: 50.417 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

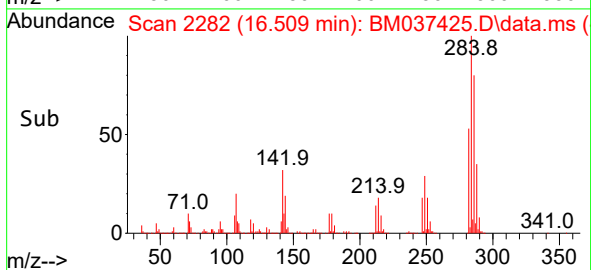
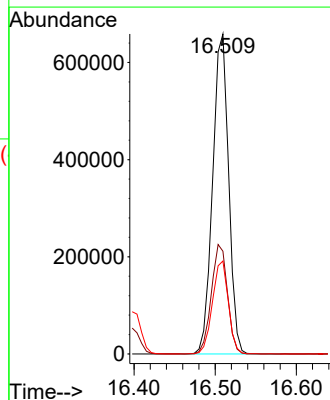
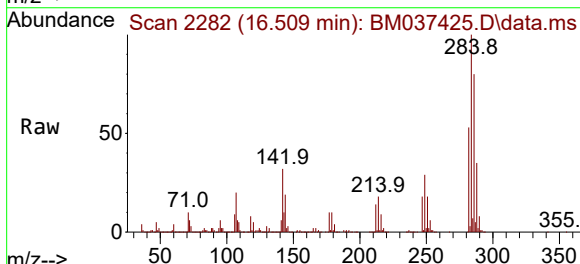
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

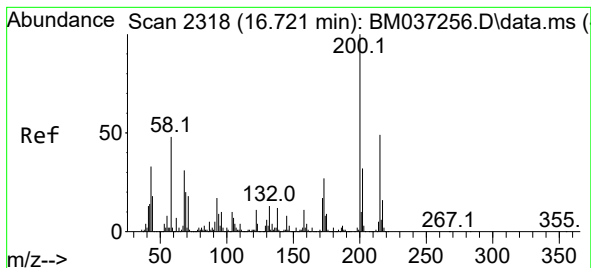
Tgt Ion:248 Resp: 774217
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.6
141 69.4 54.2 81.2



#68
Hexachlorobenzene
Concen: 48.378 ng
RT: 16.509 min Scan# 2282
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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





#69

Atrazine

Concen: 59.425 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.041 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

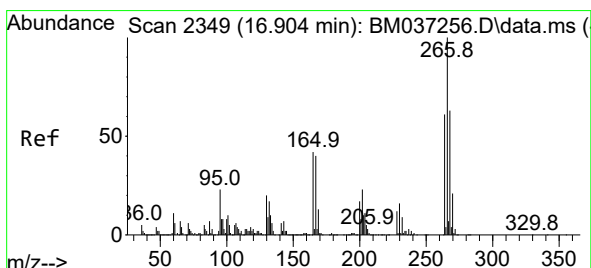
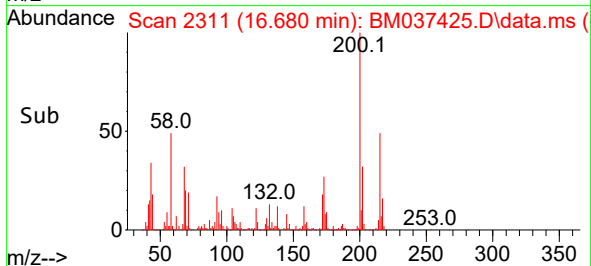
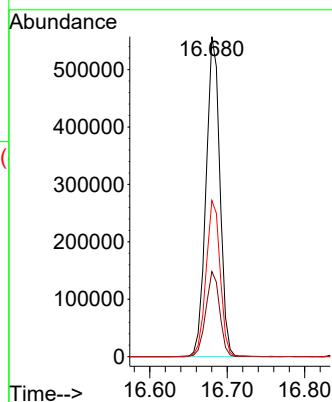
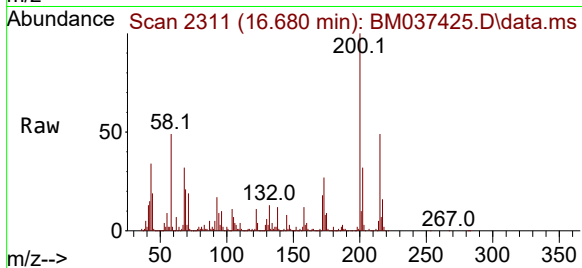
Tgt Ion:200 Resp: 691594

Ion Ratio Lower Upper

200 100

173 26.6 6.8 46.8

215 48.8 28.5 68.5



#70

Pentachlorophenol

Concen: 95.401 ng

RT: 16.857 min Scan# 2341

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

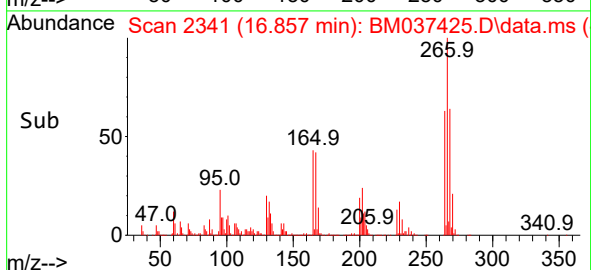
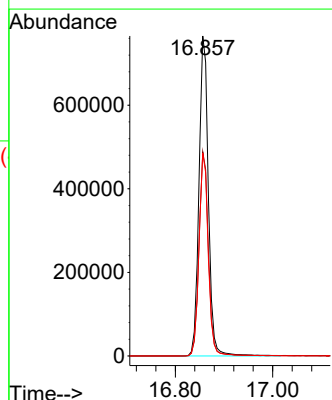
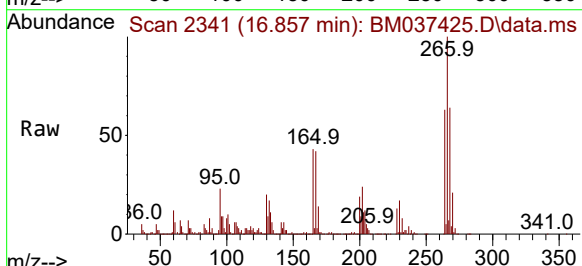
Tgt Ion:266 Resp: 1031640

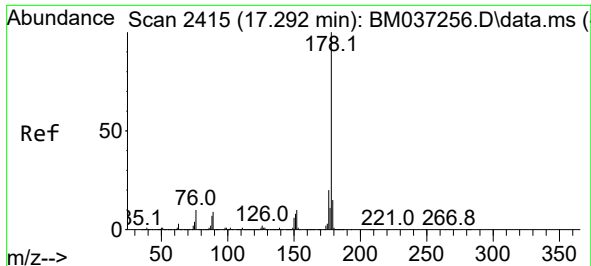
Ion Ratio Lower Upper

266 100

268 63.8 50.7 76.1

264 63.4 49.1 73.7

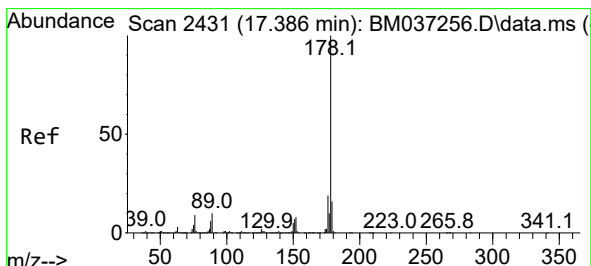
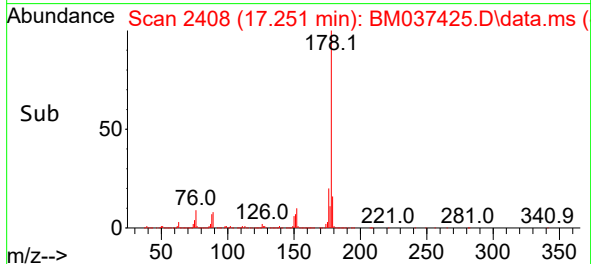
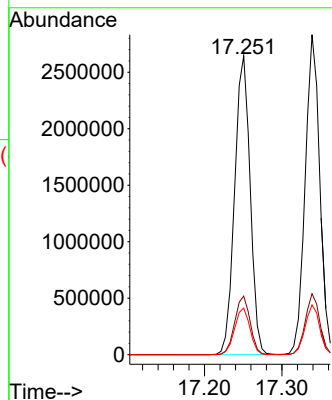
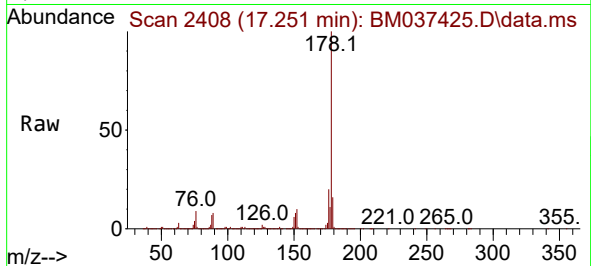




#71
Phenanthrene
Concen: 43.445 ng
RT: 17.251 min Scan# 2415
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

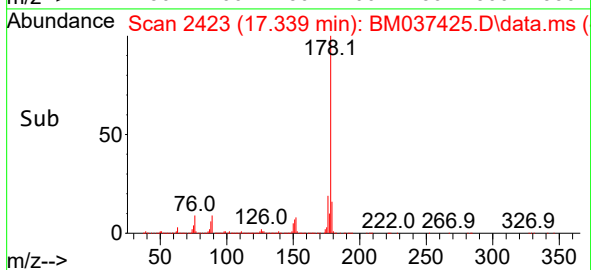
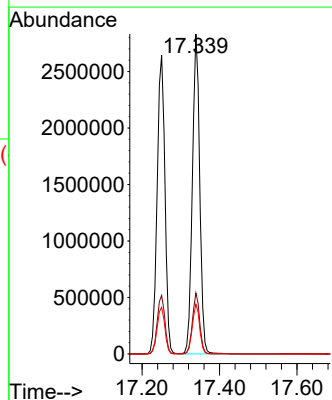
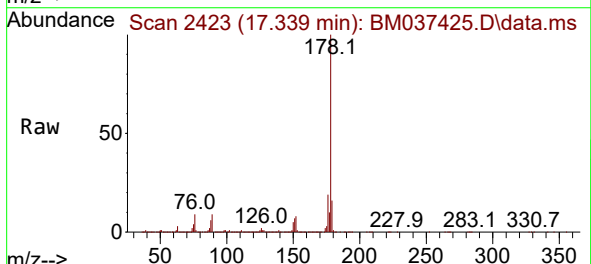
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

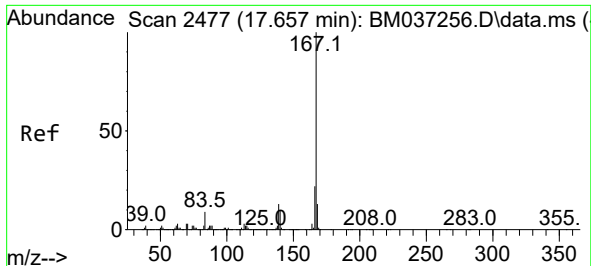
Tgt Ion:178 Resp: 3688391
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.6 12.4 18.6



#72
Anthracene
Concen: 46.472 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

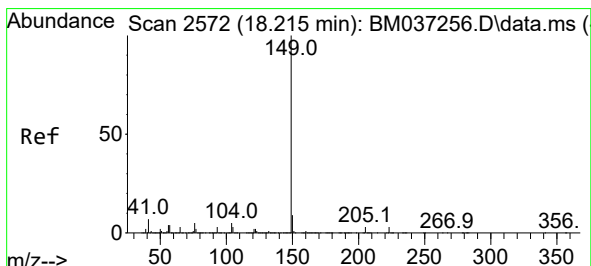
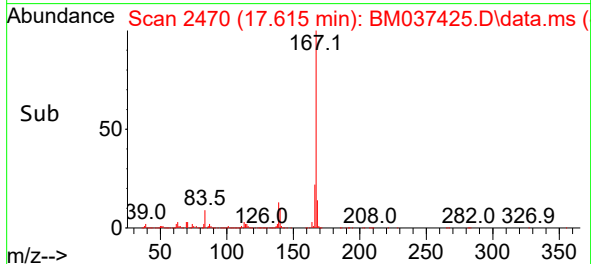
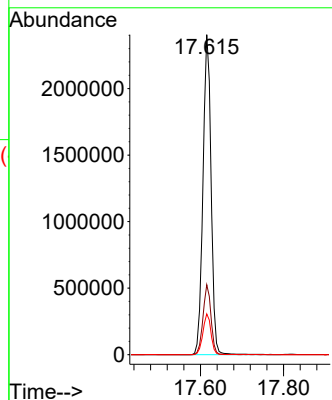
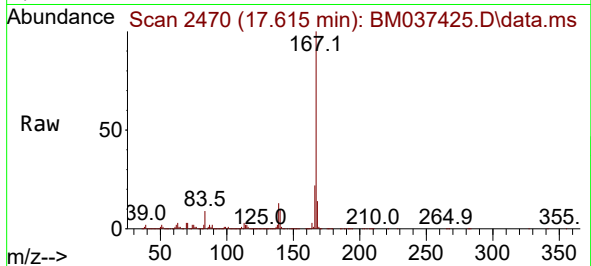




#73
 Carbazole
 Concen: 44.238 ng
 RT: 17.615 min Scan# 24
 Delta R.T. -0.041 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

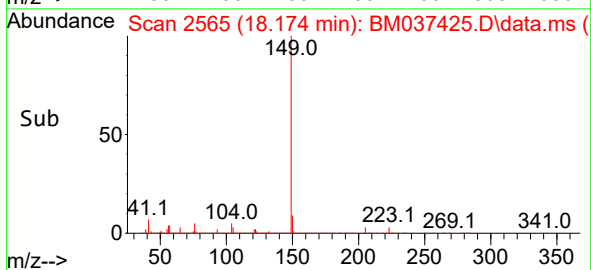
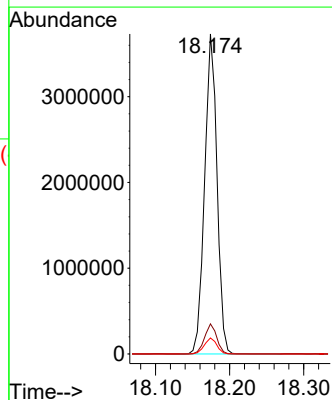
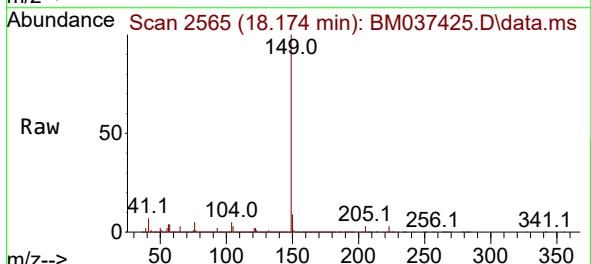
Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

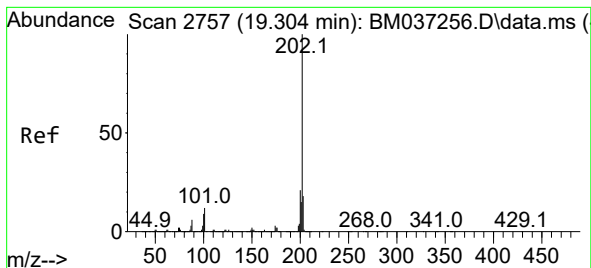
Tgt Ion:167 Resp: 3261435
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 12.8 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 53.096 ng
 RT: 18.174 min Scan# 2565
 Delta R.T. -0.041 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

Tgt Ion:149 Resp: 4322413
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 5.0 4.0 6.0





#75

Fluoranthene

Concen: 42.008 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.041 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

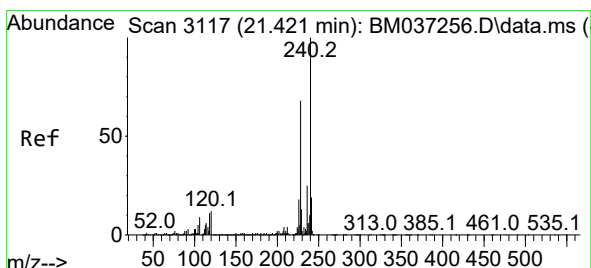
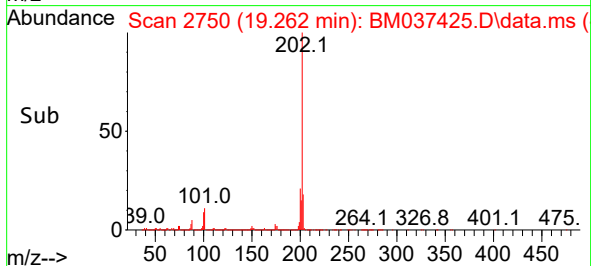
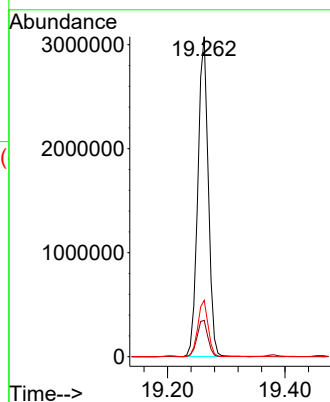
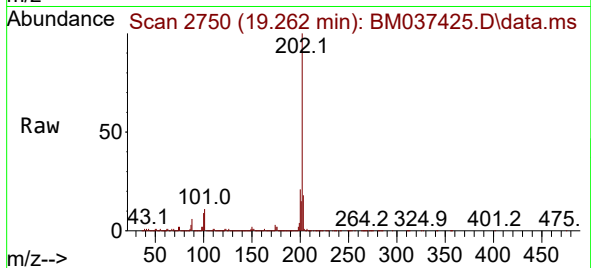
Tgt Ion:202 Resp: 3769948

Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.4

203 17.6 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.041 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

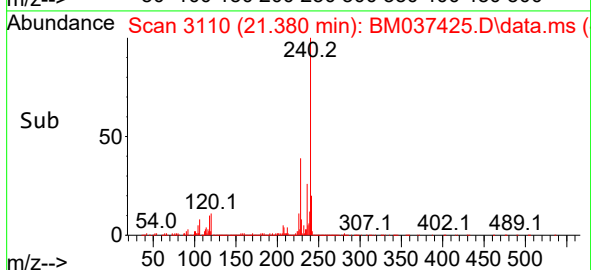
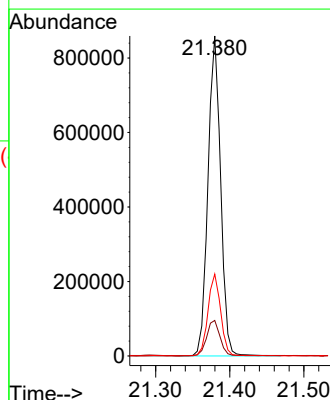
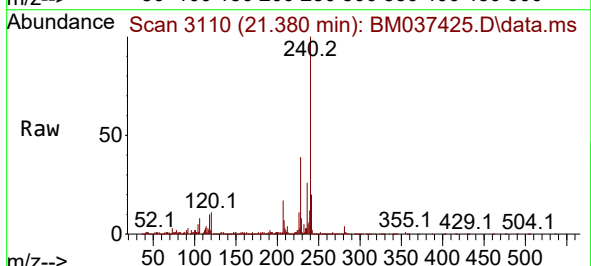
Tgt Ion:240 Resp: 1018752

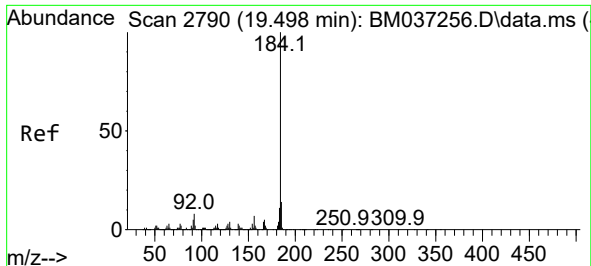
Ion Ratio Lower Upper

240 100

120 11.1 9.9 14.9

236 25.6 20.3 30.5

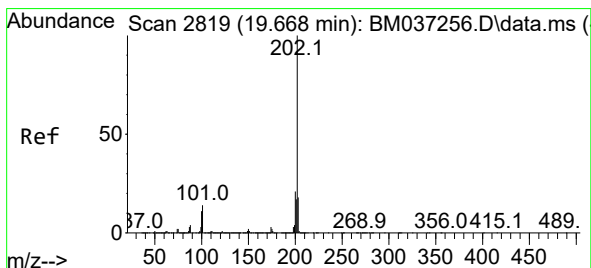
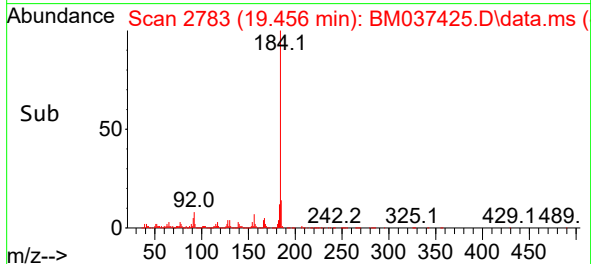
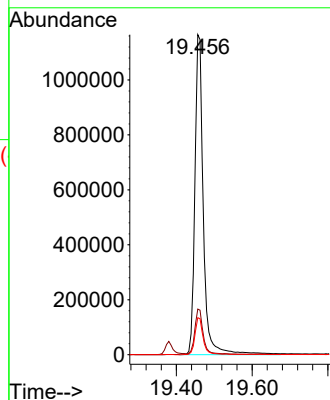
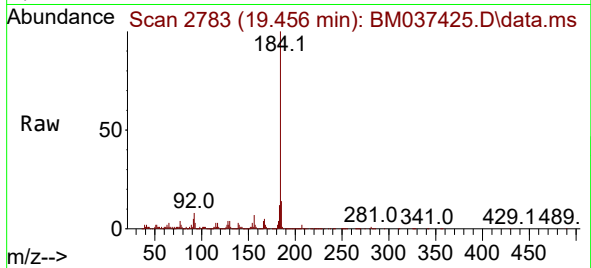




#77
Benzidine
Concen: 119.597 ng
RT: 19.456 min Scan# 21
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

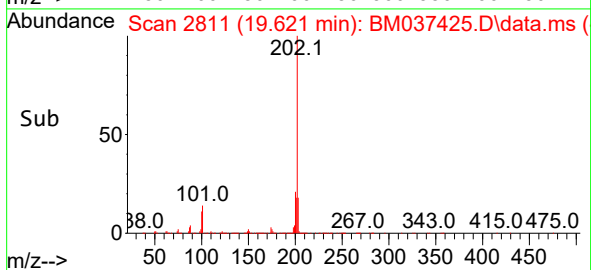
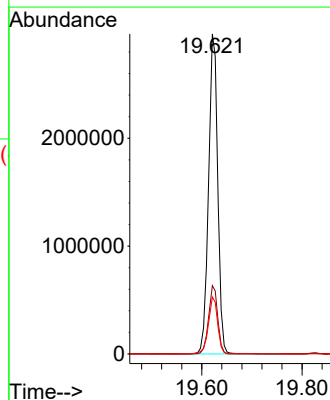
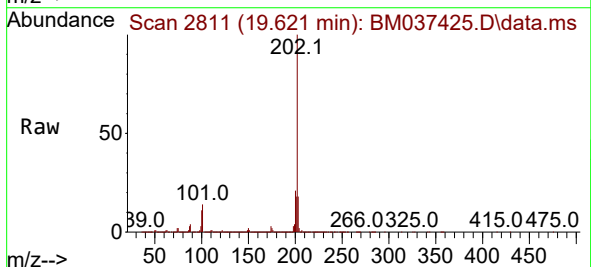
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

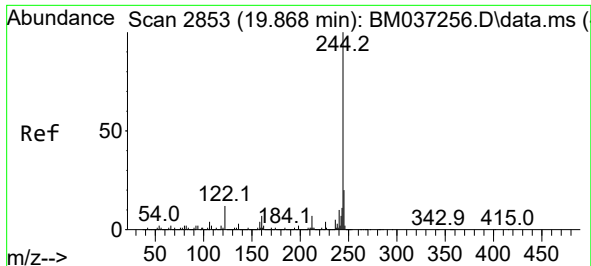
Tgt Ion:184 Resp: 1816799
Ion Ratio Lower Upper
184 100
185 14.3 11.3 16.9
183 11.5 9.0 13.4



#78
Pyrene
Concen: 48.162 ng
RT: 19.621 min Scan# 2811
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

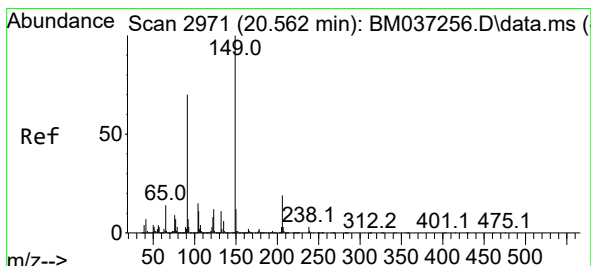
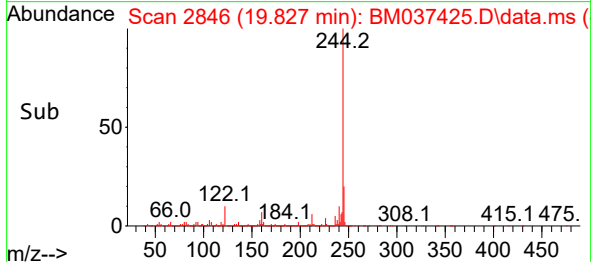
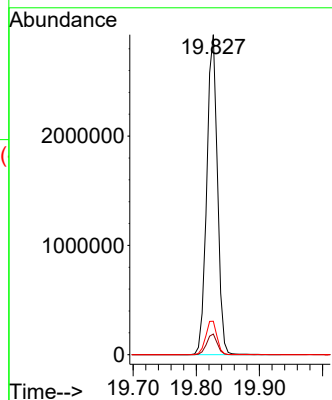
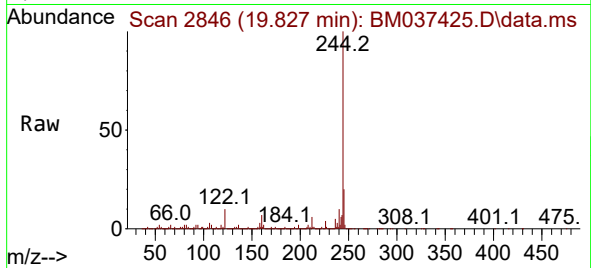




#79
 Terphenyl-d14
 Concen: 60.717 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

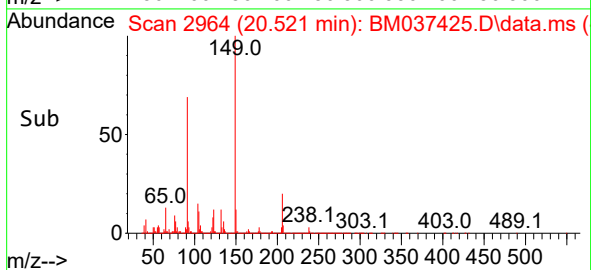
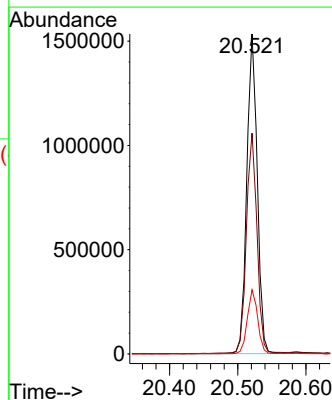
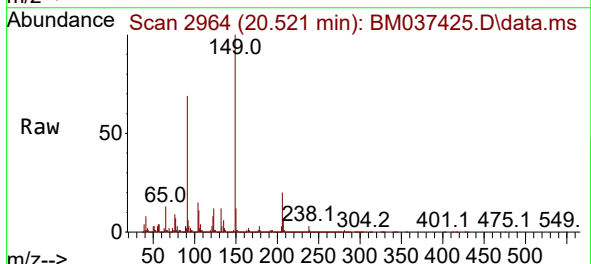
Instrument :
 BNA_M
 ClientSampleId :
 LFR-SOIL-1103MSD

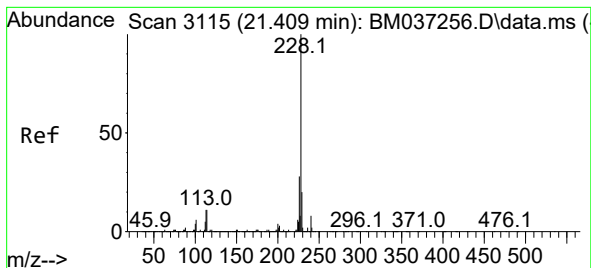
Tgt Ion:244 Resp: 3449312
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.5 9.4 14.2



#80
 Butylbenzylphthalate
 Concen: 58.470 ng
 RT: 20.521 min Scan# 2964
 Delta R.T. -0.041 min
 Lab File: BM037425.D
 Acq: 08 Nov 2022 12:53

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





#81

Benzo(a)anthracene

Concen: 45.238 ng

RT: 21.362 min Scan# 3115

Delta R.T. -0.047 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

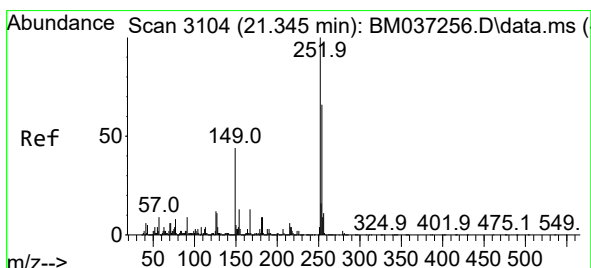
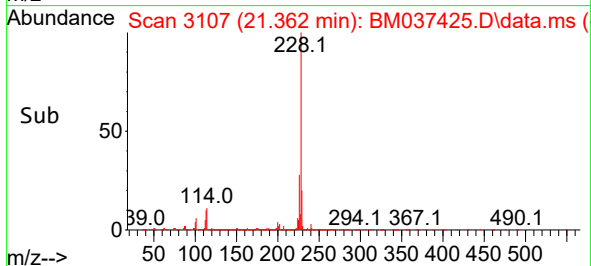
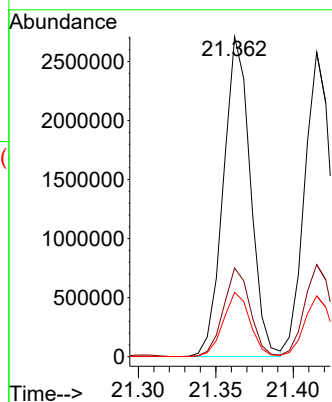
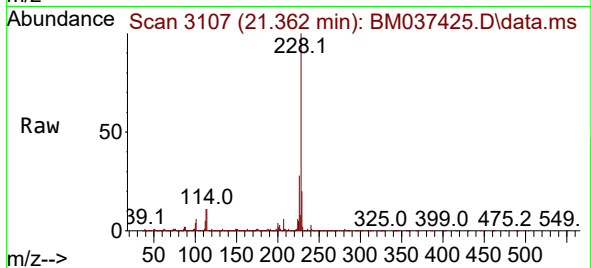
Tgt Ion:228 Resp: 3281018

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

229 20.1 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 54.655 ng

RT: 21.303 min Scan# 3097

Delta R.T. -0.041 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

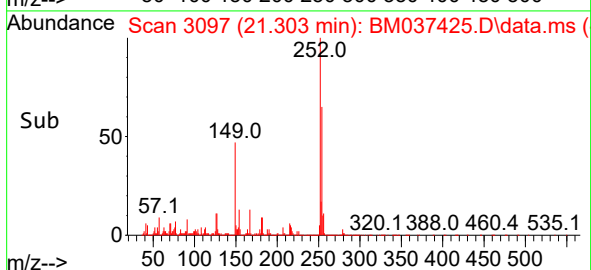
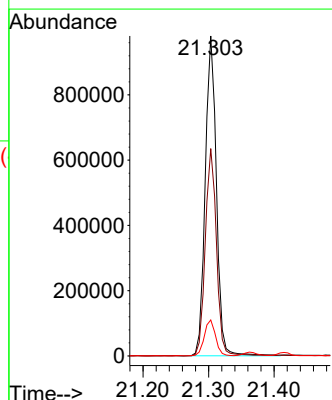
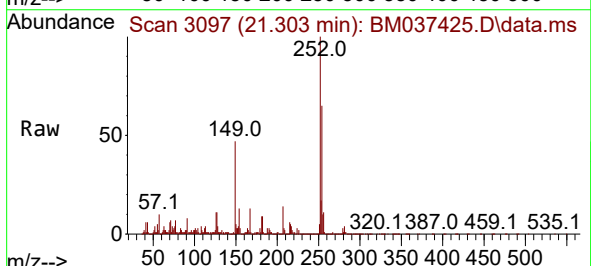
Tgt Ion:252 Resp: 1164267

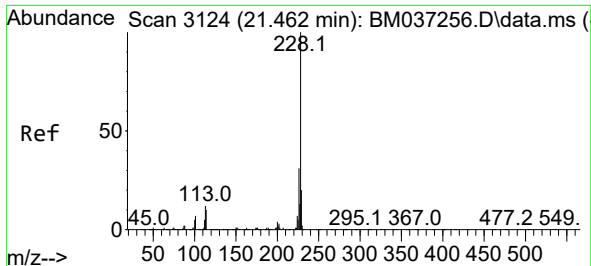
Ion Ratio Lower Upper

252 100

254 64.8 52.7 79.1

126 11.3 9.8 14.6

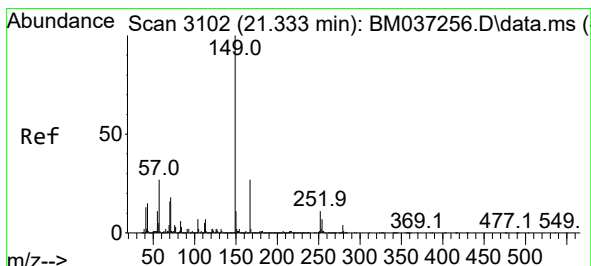
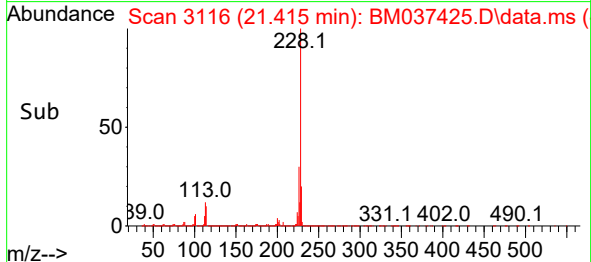
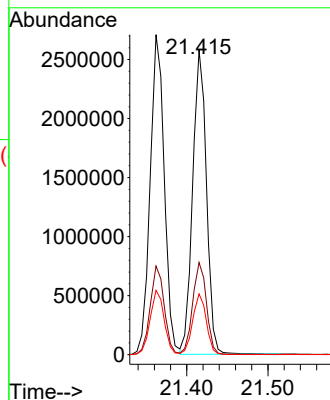
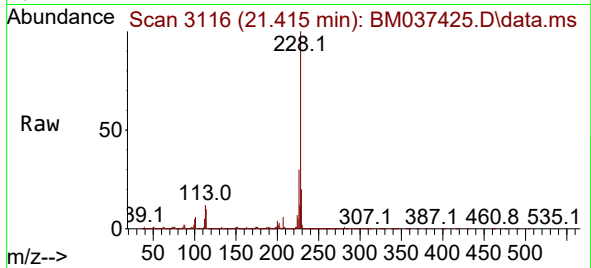




#83
Chrysene
Concen: 43.709 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.047 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

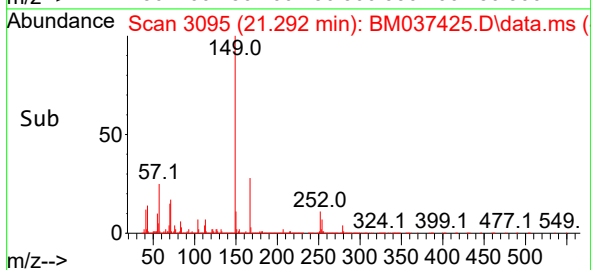
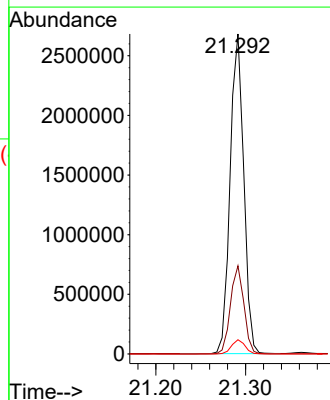
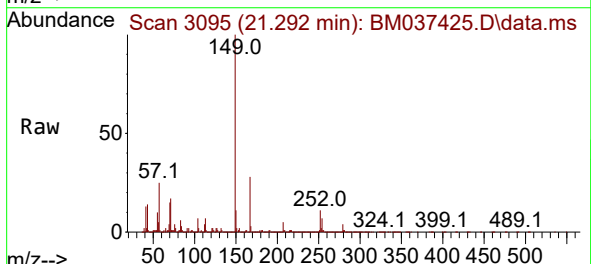
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

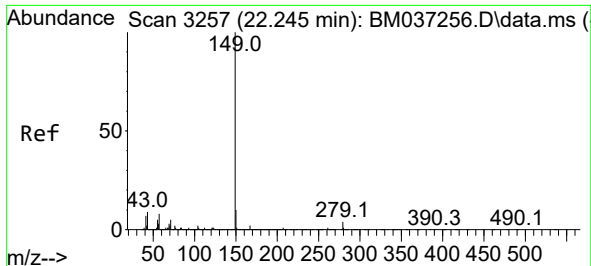
Tgt Ion:228 Resp: 3054271
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 20.0 16.0 24.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 75.164 ng
RT: 21.292 min Scan# 3095
Delta R.T. -0.041 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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

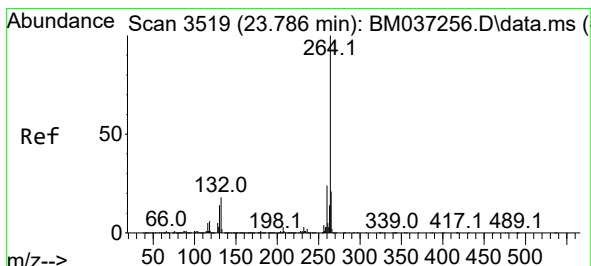
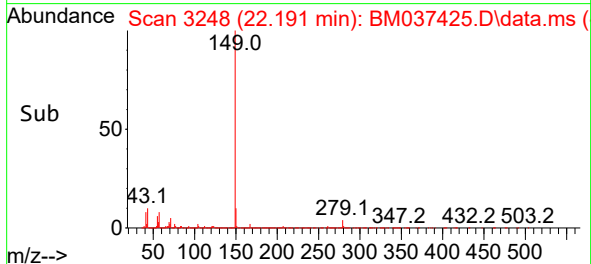
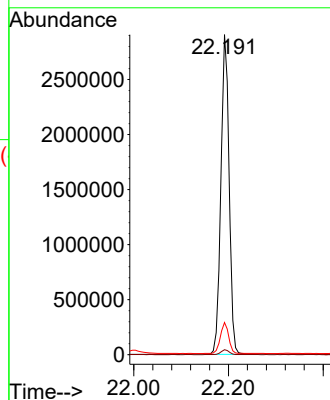
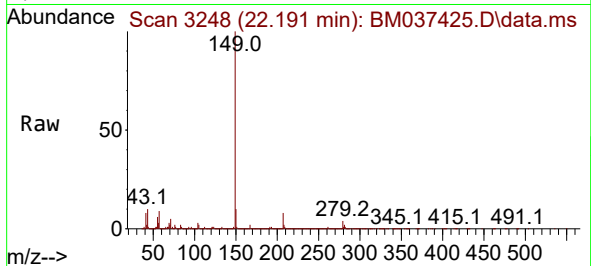




#85
Di-n-octyl phthalate
Concen: 58.993 ng
RT: 22.191 min Scan# 31
Delta R.T. -0.053 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

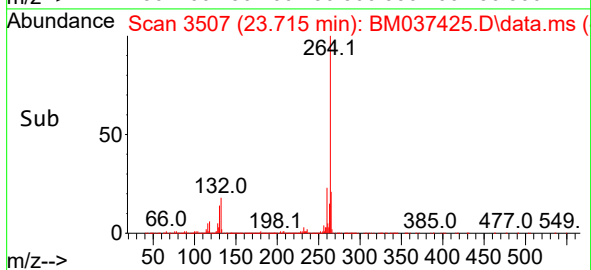
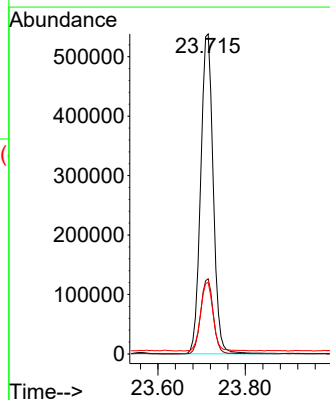
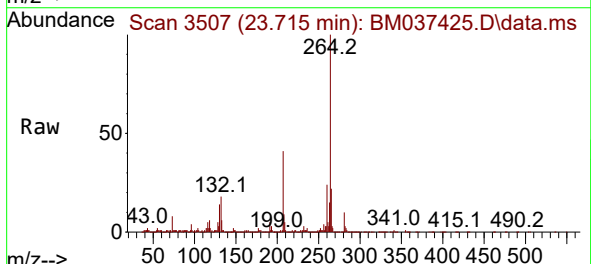
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

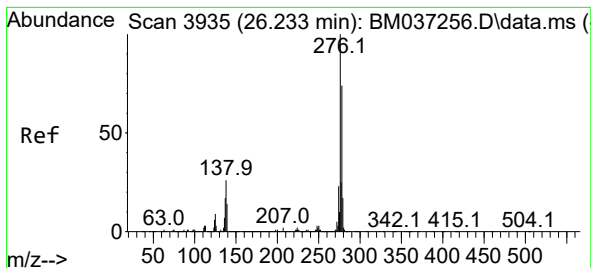
Tgt Ion:149 Resp: 3488642
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.8 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3507
Delta R.T. -0.071 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.206 ng

RT: 26.132 min Scan# 3918

Delta R.T. -0.100 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

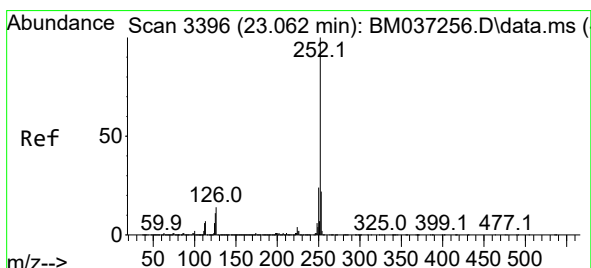
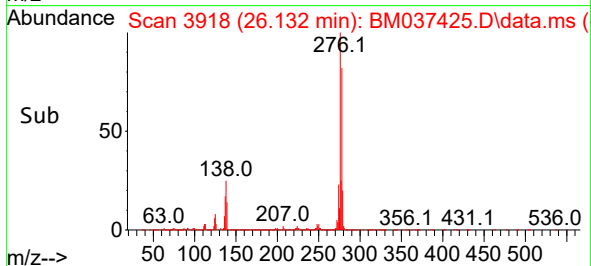
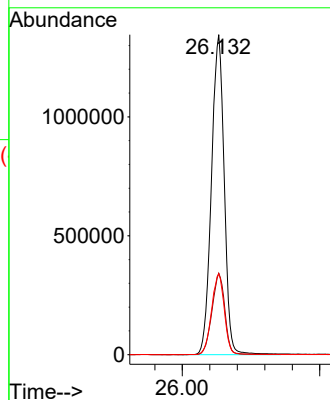
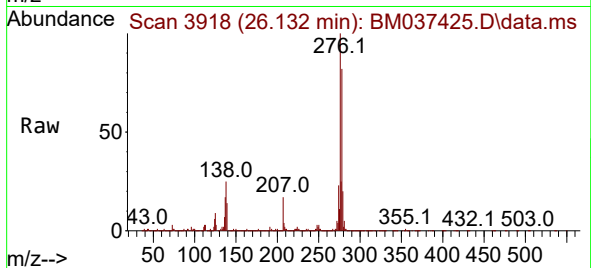
Tgt Ion:276 Resp: 4333566

Ion Ratio Lower Upper

276 100

138 25.4 21.5 32.3

277 25.3 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 46.703 ng

RT: 23.003 min Scan# 3386

Delta R.T. -0.059 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

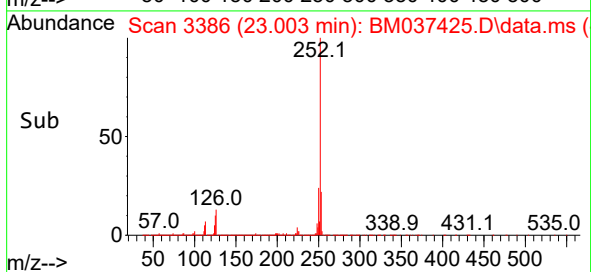
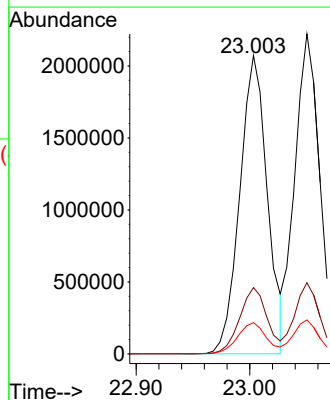
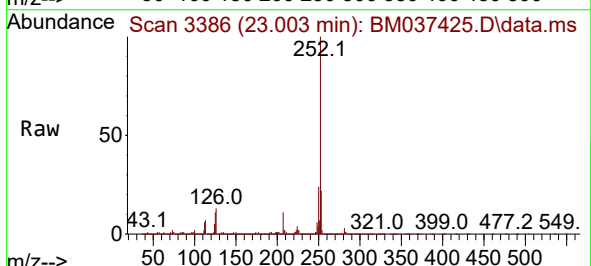
Tgt Ion:252 Resp: 3487526

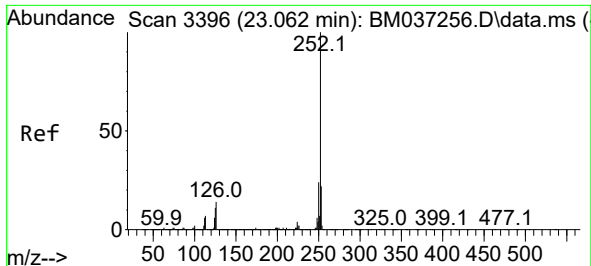
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.5 9.1 13.7

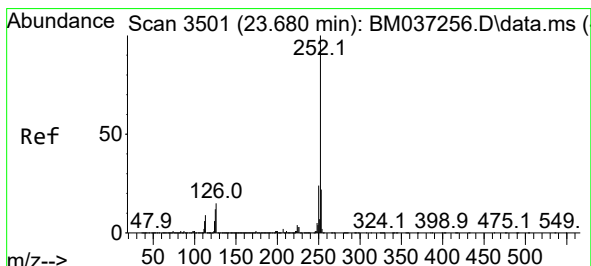
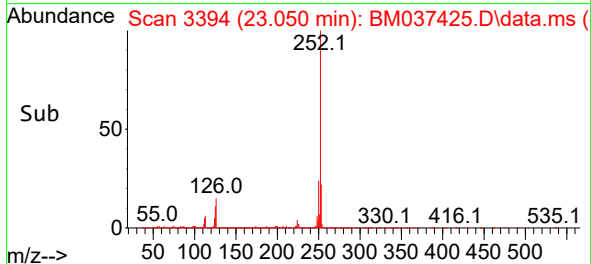
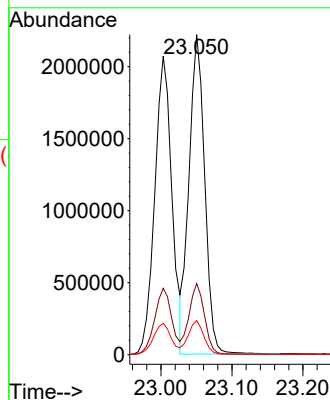
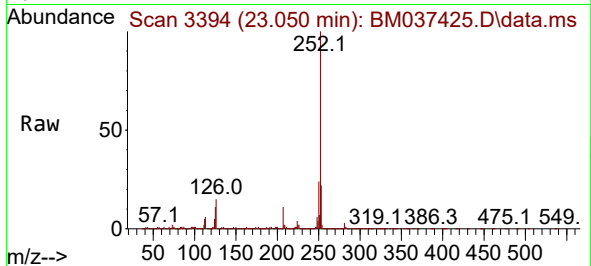




#89
Benzo(k)fluoranthene
Concen: 44.678 ng
RT: 23.050 min Scan# 31
Delta R.T. -0.065 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

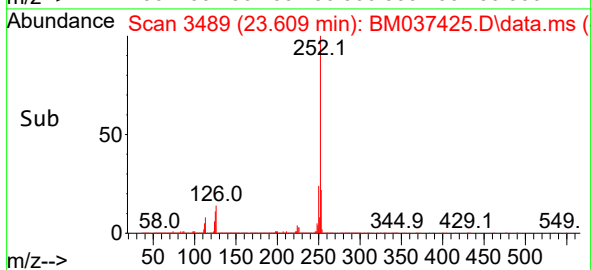
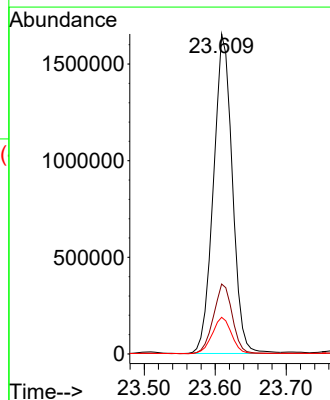
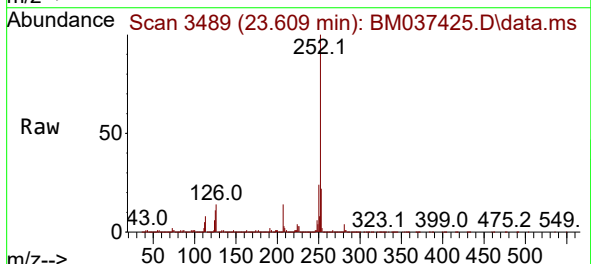
Instrument :
BNA_M
ClientSampleId :
LFR-SOIL-1103MSD

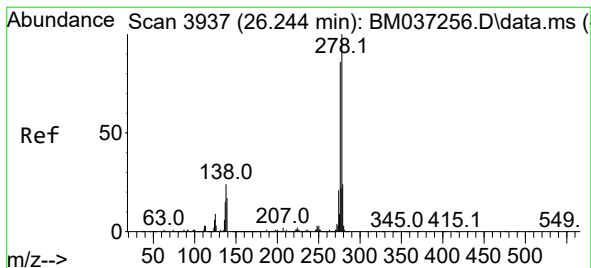
Tgt Ion:252 Resp: 3403113
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 10.7 9.1 13.7



#90
Benzo(a)pyrene
Concen: 50.138 ng
RT: 23.609 min Scan# 3489
Delta R.T. -0.071 min
Lab File: BM037425.D
Acq: 08 Nov 2022 12:53

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





#91

Dibenzo(a,h)anthracene

Concen: 50.272 ng

RT: 26.144 min Scan# 3937

Delta R.T. -0.100 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Instrument :

BNA_M

ClientSampleId :

LFR-SOIL-1103MSD

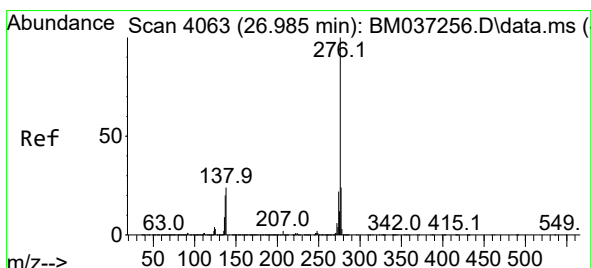
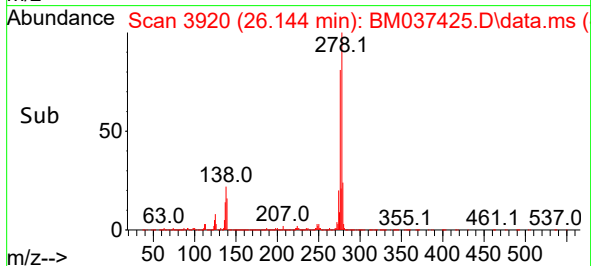
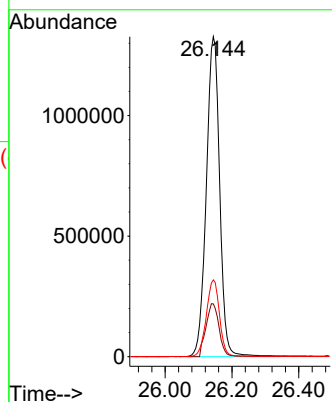
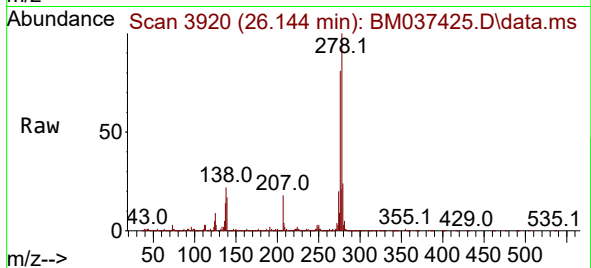
Tgt Ion:278 Resp: 3676690

Ion Ratio Lower Upper

278 100

139 16.5 13.8 20.8

279 24.0 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 50.004 ng

RT: 26.874 min Scan# 4044

Delta R.T. -0.112 min

Lab File: BM037425.D

Acq: 08 Nov 2022 12:53

Tgt Ion:276 Resp: 3559249

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 22.1 18.9 28.3

