

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139052.D
 Acq On : 16 Aug 2024 11:43
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 16 12:26:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	47397	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	200214	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	113445	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	204539	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	104341	20.000	ng	0.00
86) Perylene-d12	15.468	264	85208	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	375671	122.351	ng	0.00
7) Phenol-d6	6.487	99	503370	122.106	ng	0.00
23) Nitrobenzene-d5	7.404	82	334527	81.690	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	117987	126.968	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	626678	82.999	ng	-0.01
79) Terphenyl-d14	12.939	244	603427	96.827	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.587	88	13032	9.695	ng	# 96
3) Pyridine	3.416	79	23653	7.264	ng	92
4) n-Nitrosodimethylamine	3.310	42	20673	10.659	ng	# 77
6) Aniline	6.504	93	42753	11.629	ng	# 69
8) 2-Chlorophenol	6.628	128	33127	10.255	ng	98
9) Benzaldehyde	6.398	77	28360	11.476	ng	98
10) Phenol	6.498	94	44248	10.194	ng	# 61
11) bis(2-Chloroethyl)ether	6.575	93	32388	9.697	ng	99
12) 1,3-Dichlorobenzene	6.775	146	35485	9.813	ng	97
13) 1,4-Dichlorobenzene	6.851	146	34999	9.591	ng	96
14) 1,2-Dichlorobenzene	7.004	146	34226	10.035	ng	98
15) Benzyl Alcohol	6.987	79	34993	11.777	ng	91
16) 2,2'-oxybis(1-Chloropr...	7.104	45	60695	10.559	ng	53
17) 2-Methylphenol	7.104	107	26953	10.104	ng	# 83
18) Hexachloroethane	7.340	117	13708	9.979	ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	26661	10.708	ng	92
20) 3+4-Methylphenols	7.263	107	34310	10.025	ng	# 63
22) Acetophenone	7.245	105	50436	10.288	ng	95
24) Nitrobenzene	7.422	77	39606	9.505	ng	97
25) Isophorone	7.657	82	71840	10.274	ng	98
26) 2-Nitrophenol	7.740	139	17401	9.706	ng	92
27) 2,4-Dimethylphenol	7.781	122	19439	9.062	ng	98
28) bis(2-Chloroethoxy)met...	7.863	93	40087	9.414	ng	98
29) 2,4-Dichlorophenol	7.998	162	26442	9.593	ng	98
30) 1,2,4-Trichlorobenzene	8.057	180	30566	9.609	ng	99
31) Naphthalene	8.140	128	100495	9.536	ng	99
32) Benzoic acid	7.916	122	6273	3.720	ng	91
33) 4-Chloroaniline	8.198	127	37084	10.483	ng	97
34) Hexachlorobutadiene	8.245	225	19510	10.126	ng	98
35) Caprolactam	8.545	113	8274	10.060	ng	89
36) 4-Chloro-3-methylphenol	8.687	107	32899	10.444	ng	99
37) 2-Methylnaphthalene	8.828	142	64510	9.692	ng	94
38) 1-Methylnaphthalene	8.928	142	62987	9.658	ng	99
40) 1,2,4,5-Tetrachloroben...	8.992	216	31388	9.960	ng	98
41) Hexachlorocyclopentadiene	8.975	237	864	7.911	ng	93
43) 2,4,6-Trichlorophenol	9.116	196	16131	8.395	ng	94

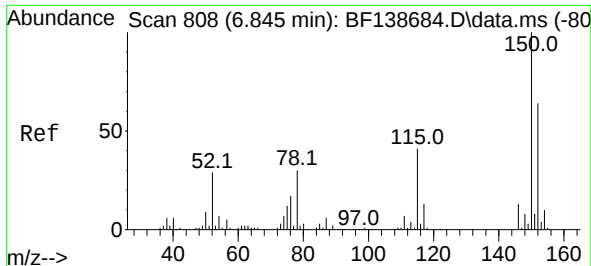
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 QLast Update : Tue Jul 30 17:50:01 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	17179	8.178	ng	96
46) 1,1'-Biphenyl	9.286	154	88533	9.964	ng	99
47) 2-Chloronaphthalene	9.316	162	63799	9.655	ng	98
48) 2-Nitroaniline	9.422	65	22589	10.084	ng	97
49) Acenaphthylene	9.728	152	100323	10.705	ng	100
50) Dimethylphthalate	9.586	163	78956	10.885	ng	99
51) 2,6-Dinitrotoluene	9.657	165	16548	10.108	ng	# 82
52) Acenaphthene	9.898	154	61432	9.751	ng	98
53) 3-Nitroaniline	9.834	138	16220	9.584	ng	94
54) 2,4-Dinitrophenol	9.975	184	1973	2.618	ng	# 56
55) Dibenzofuran	10.075	168	94627	10.640	ng	98
56) 4-Nitrophenol	10.075	139	44243	43.474	ng	# 6
57) 2,4-Dinitrotoluene	10.069	165	21496	10.292	ng	# 73
58) Fluorene	10.416	166	75194	10.618	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	14235	8.864	ng	# 90
60) Diethylphthalate	10.286	149	78883	11.469	ng	98
61) 4-Chlorophenyl-phenyle...	10.404	204	36667	10.527	ng	93
62) 4-Nitroaniline	10.445	138	15342	9.540	ng	83
63) Azobenzene	10.569	77	82352	10.796	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	8883	7.119	ng	87
66) n-Nitrosodiphenylamine	10.528	169	62850	9.830	ng	99
67) 4-Bromophenyl-phenylether	10.898	248	21241	9.592	ng	97
68) Hexachlorobenzene	10.963	284	21319	9.324	ng	94
69) Atrazine	11.051	200	20238	12.269	ng	99
70) Pentachlorophenol	11.180	266	2605	2.528	ng	96
71) Phenanthrene	11.380	178	107052	10.164	ng	99
72) Anthracene	11.433	178	104648	10.086	ng	99
73) Carbazole	11.592	167	87576	9.783	ng	98
74) Di-n-butylphthalate	11.910	149	115751	11.503	ng	100
75) Fluoranthene	12.569	202	101525	10.326	ng	98
77) Benzidine	12.698	184	23830	9.549	ng	98
78) Pyrene	12.804	202	101463	10.328	ng	99
80) Butylbenzylphthalate	13.410	149	34951	11.110	ng	99
81) Benzo(a)anthracene	13.986	228	71772	9.989	ng	98
82) 3,3'-Dichlorobenzidine	13.951	252	20157	10.963	ng	98
83) Chrysene	14.027	228	60920	9.398	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	39574	8.591	ng	98
85) Di-n-octyl phthalate	14.569	149	56878	6.673	ng	94
87) Indeno(1,2,3-cd)pyrene	16.945	276	53954	8.836	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	51335	9.719	ng	98
89) Benzo(k)fluoranthene	15.068	252	51335	11.225	ng	98
90) Benzo(a)pyrene	15.404	252	45959	10.344	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	43183	8.615	ng	98
92) Benzo(g,h,i)perylene	17.398	276	41768	8.030	ng	96

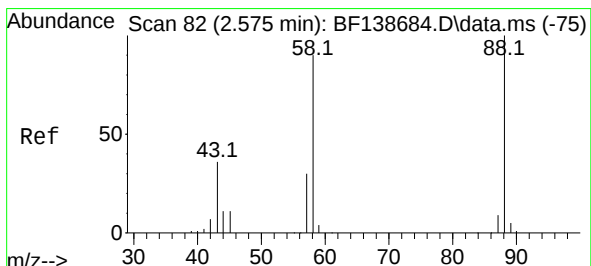
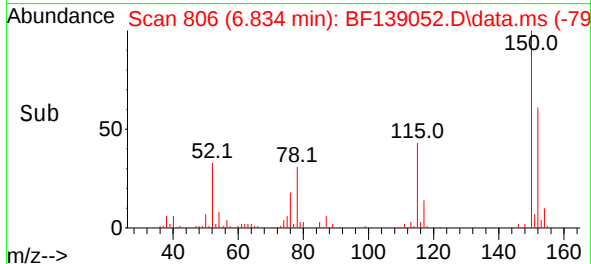
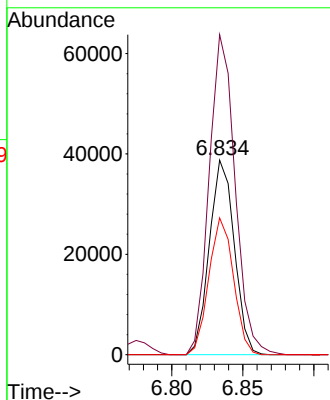
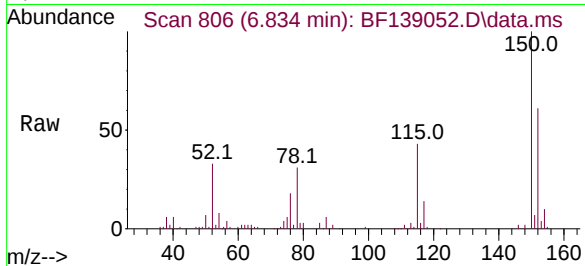
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

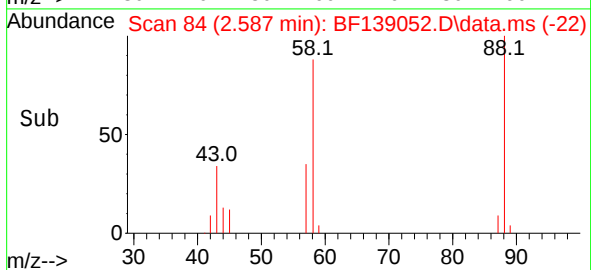
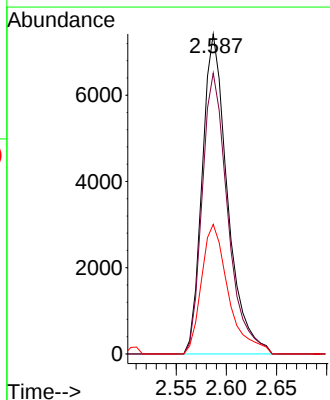
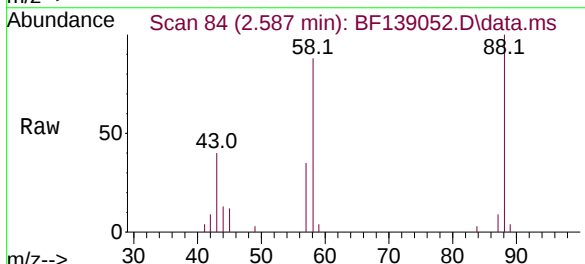
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

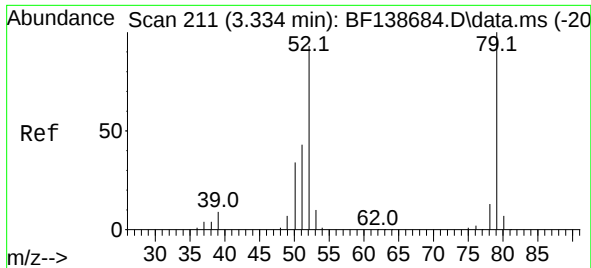
Tgt Ion:152 Resp: 47397
Ion Ratio Lower Upper
152 100
150 164.5 126.0 189.0
115 70.3 51.7 77.5



#2
1,4-Dioxane
Concen: 9.695 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion: 88 Resp: 13032
Ion Ratio Lower Upper
88 100
58 88.8 71.6 107.4
43 43.2 28.7 43.1#





#3

Pyridine

Concen: 7.264 ng

RT: 3.416 min Scan# 211

Delta R.T. 0.082 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

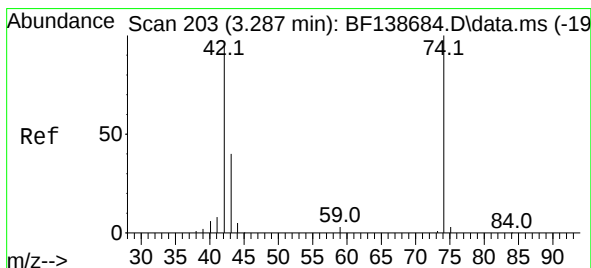
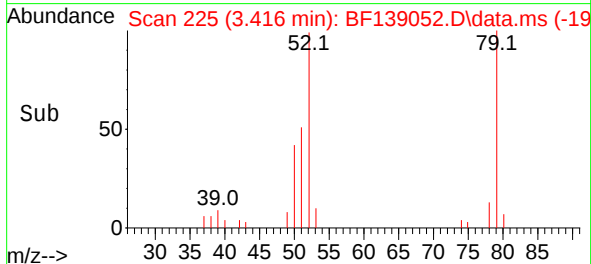
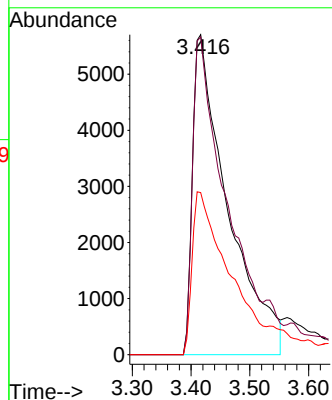
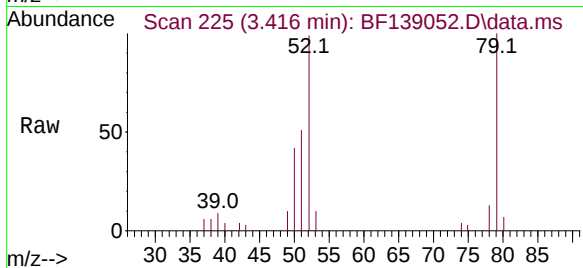
Tgt Ion: 79 Resp: 23653

Ion Ratio Lower Upper

79 100

52 99.3 74.7 112.1

51 50.7 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 10.659 ng

RT: 3.310 min Scan# 207

Delta R.T. 0.024 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

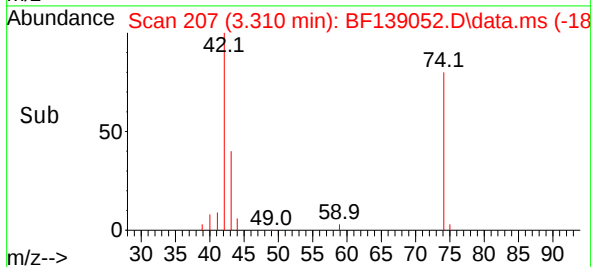
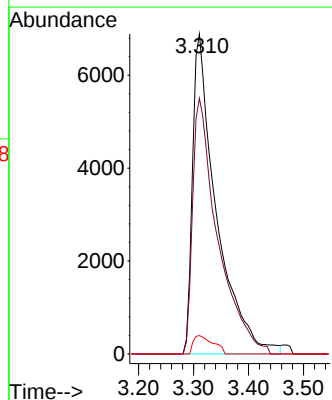
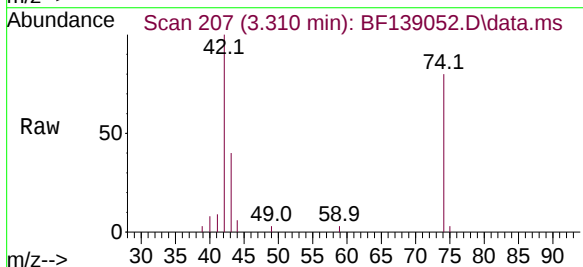
Tgt Ion: 42 Resp: 20673

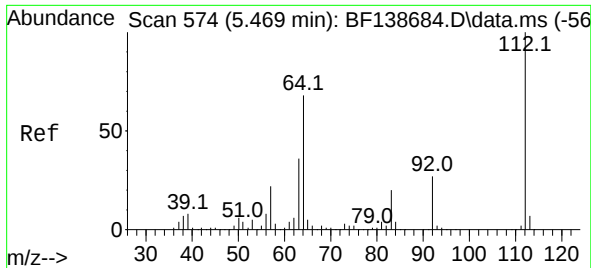
Ion Ratio Lower Upper

42 100

74 79.9 84.2 126.4#

44 5.7 4.9 7.3

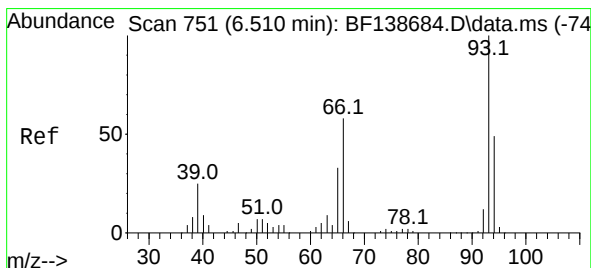
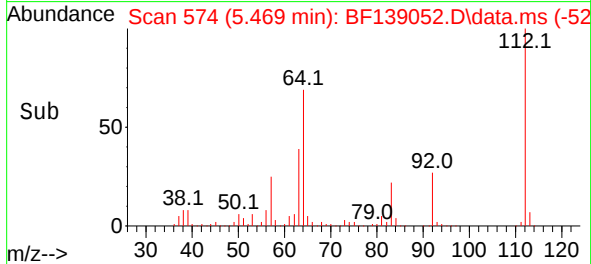
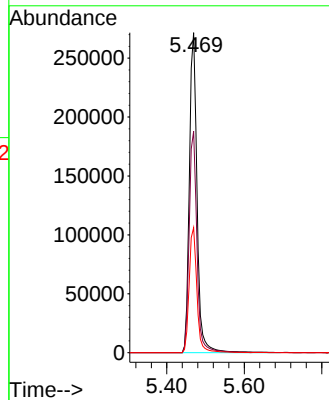
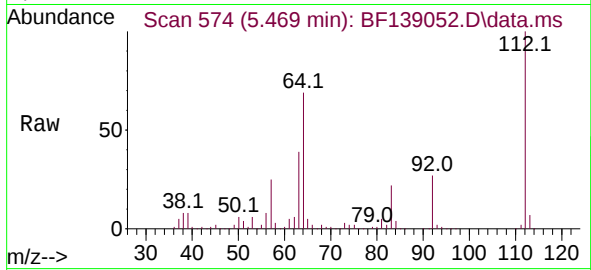




#5
2-Fluorophenol
Concen: 122.351 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

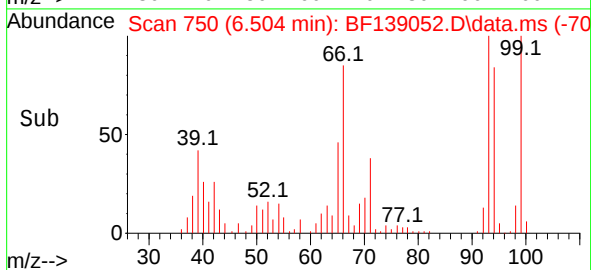
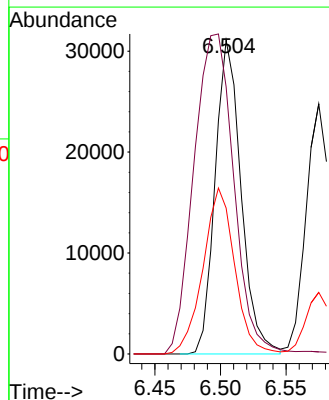
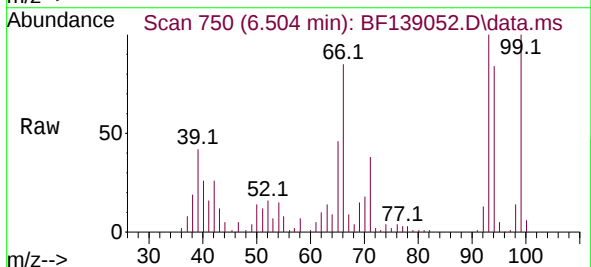
Instrument :
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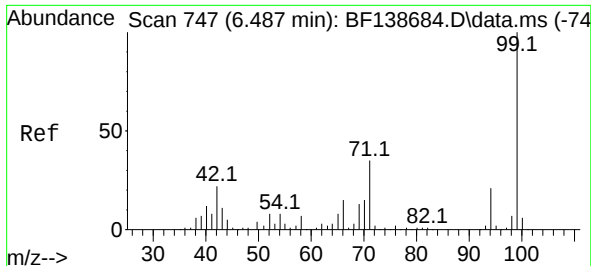
Tgt Ion:112 Resp: 375671
Ion Ratio Lower Upper
112 100
64 69.2 54.2 81.4
63 39.0 28.7 43.1



#6
Aniline
Concen: 11.629 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion: 93 Resp: 42753
Ion Ratio Lower Upper
93 100
66 85.2 46.9 70.3#
65 46.5 26.5 39.7#

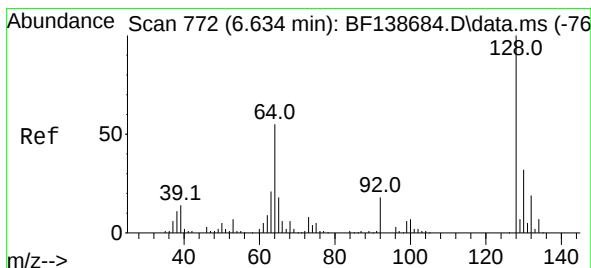
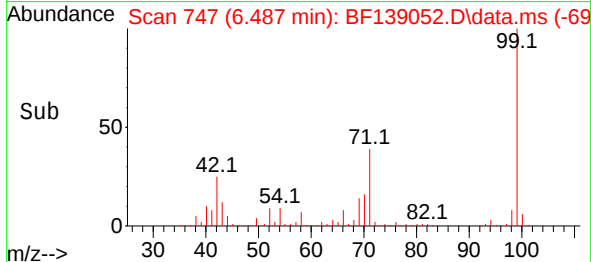
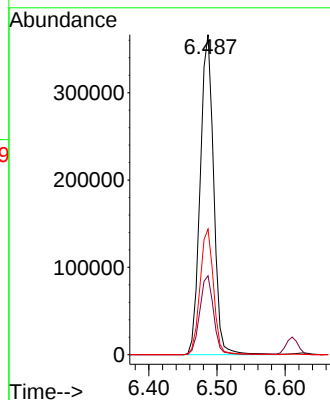
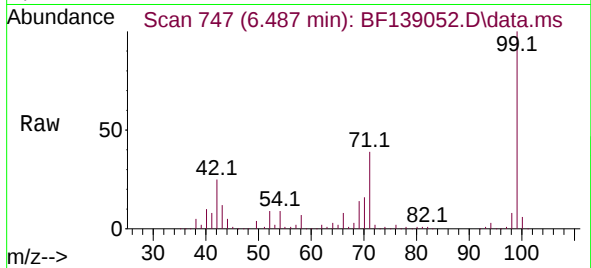




#7
Phenol-d6
Concen: 122.106 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

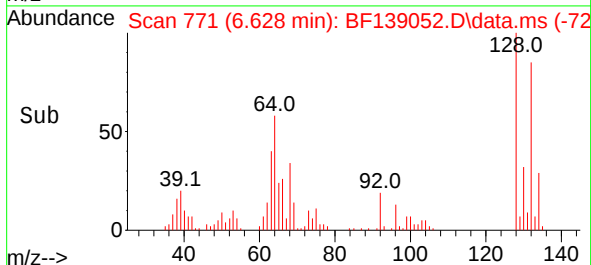
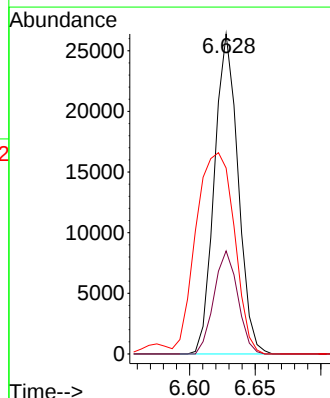
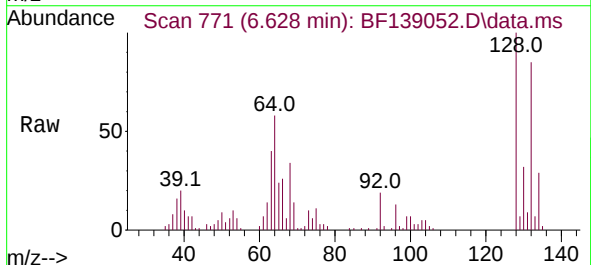
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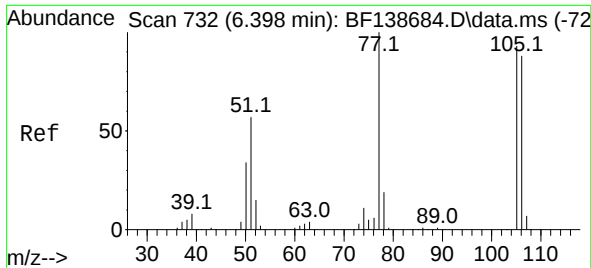
Tgt Ion: 99 Resp: 503370
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 39.2 28.1 42.1



#8
2-Chlorophenol
Concen: 10.255 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:128 Resp: 33127
Ion Ratio Lower Upper
128 100
130 32.2 12.0 52.0
64 58.1 36.3 76.3





#9

Benzaldehyde

Concen: 11.476 ng

RT: 6.398 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

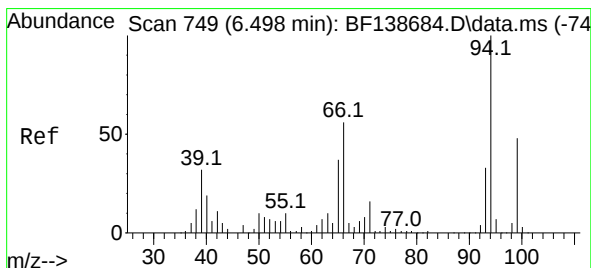
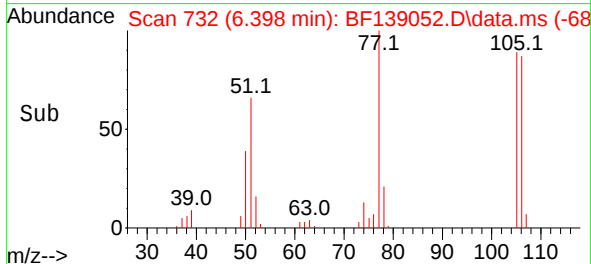
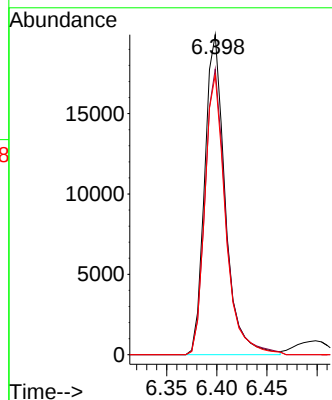
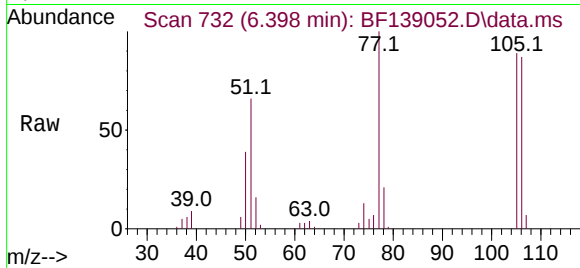
Tgt Ion: 77 Resp: 28360

Ion Ratio Lower Upper

77 100

105 89.3 72.9 112.9

106 87.4 68.4 108.4



#10

Phenol

Concen: 10.194 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

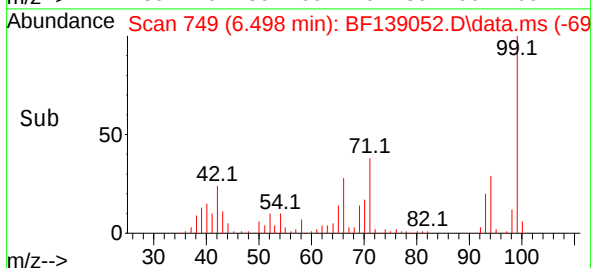
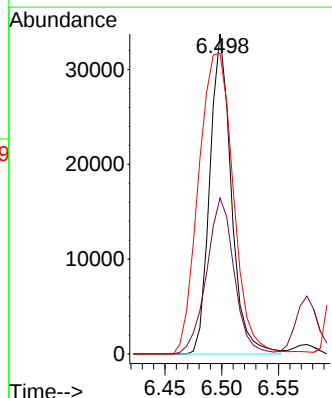
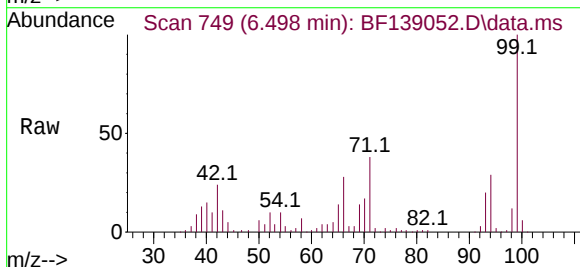
Tgt Ion: 94 Resp: 44248

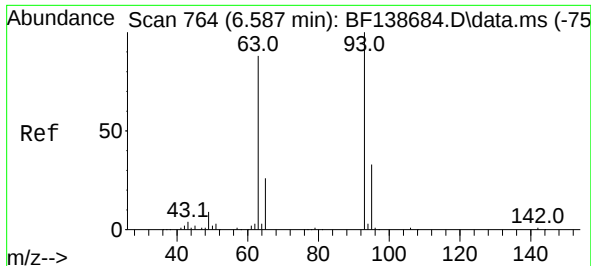
Ion Ratio Lower Upper

94 100

65 48.7 16.9 56.9

66 94.0 36.5 76.5#

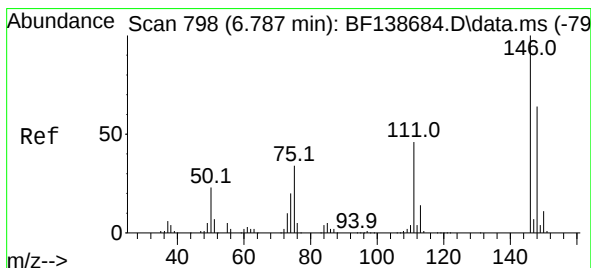
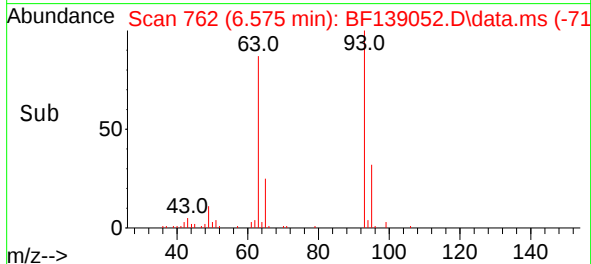
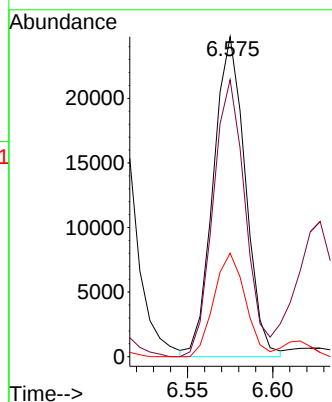
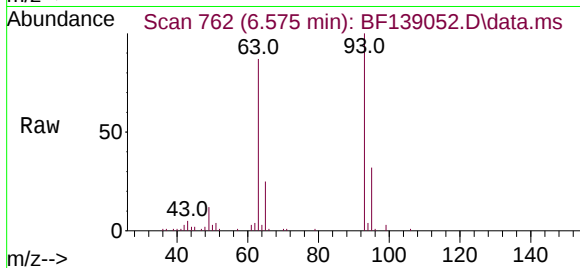




#11
bis(2-Chloroethyl)ether
Concen: 9.697 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

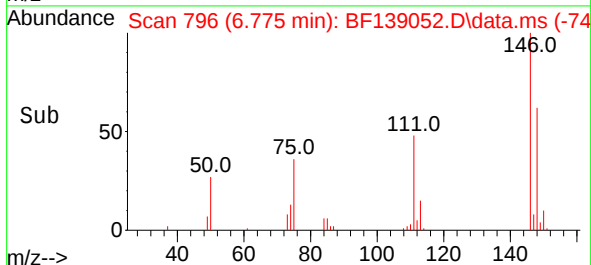
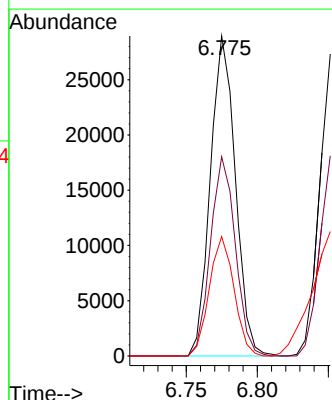
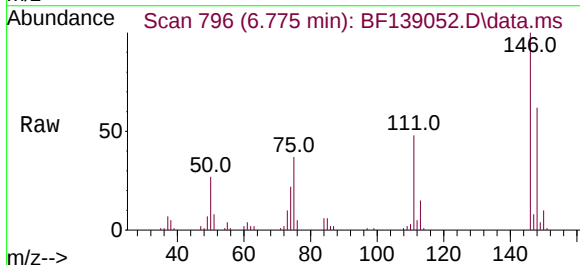
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:	93	Resp:	32388
Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.3	105.3
95	32.4	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 9.813 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:	146	Resp:	35485
Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.2	76.8
75	37.3	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 9.591 ng

RT: 6.851 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

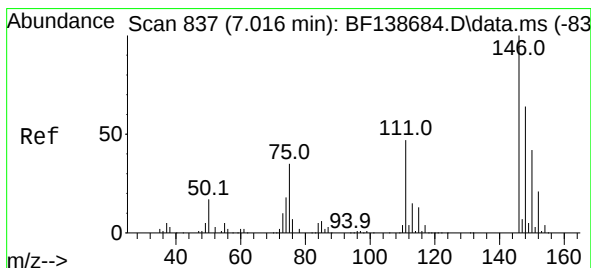
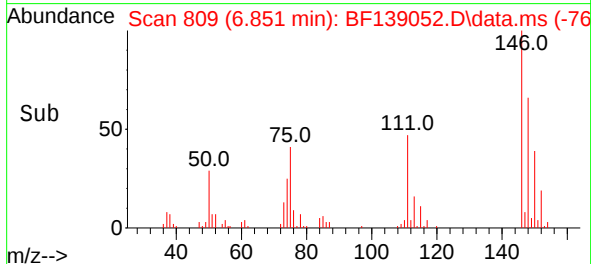
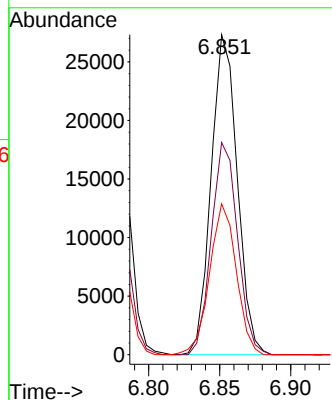
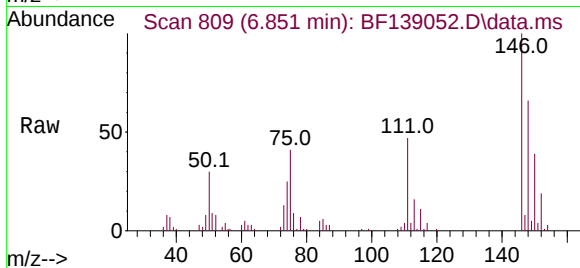
Tgt Ion:146 Resp: 34999

Ion Ratio Lower Upper

146 100

148 66.3 50.2 75.2

111 47.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 10.035 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

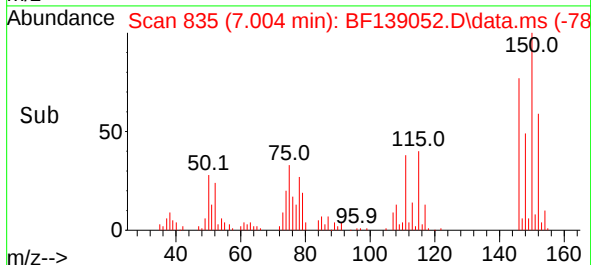
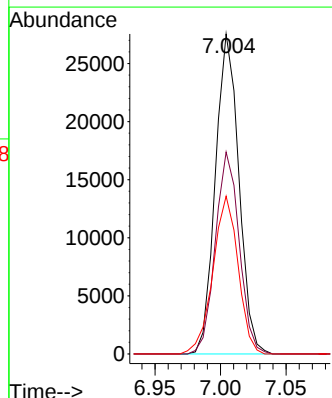
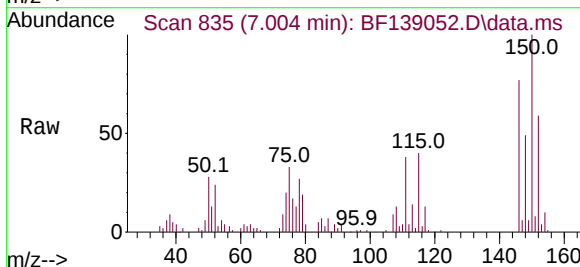
Tgt Ion:146 Resp: 34226

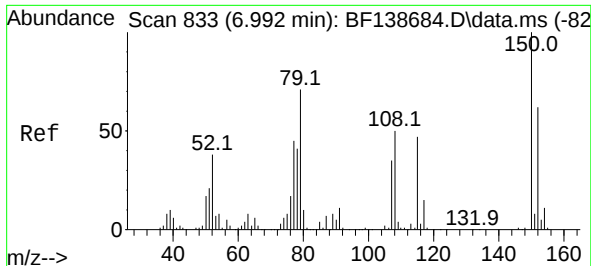
Ion Ratio Lower Upper

146 100

148 63.1 50.8 76.2

111 49.3 37.4 56.2





#15

Benzyl Alcohol

Concen: 11.777 ng

RT: 6.987 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

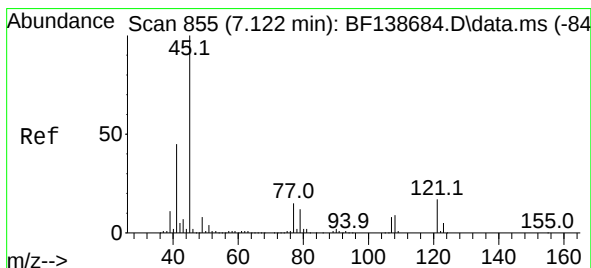
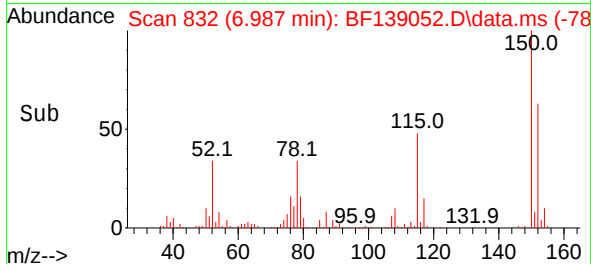
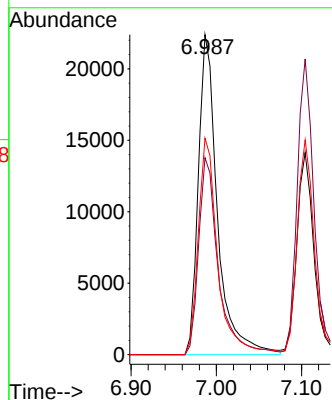
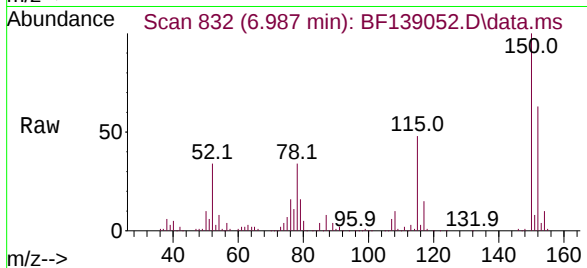
Tgt Ion: 79 Resp: 34993

Ion Ratio Lower Upper

79 100

108 61.6 56.6 85.0

77 67.6 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.559 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

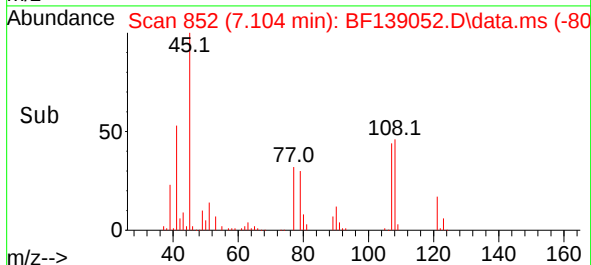
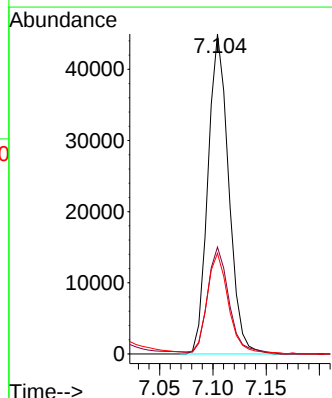
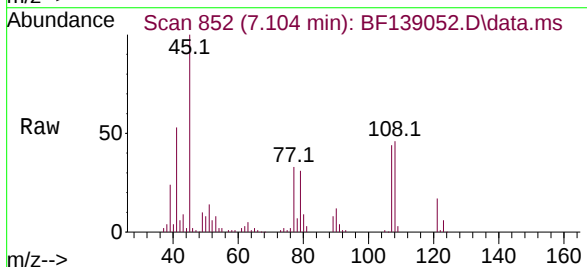
Tgt Ion: 45 Resp: 60695

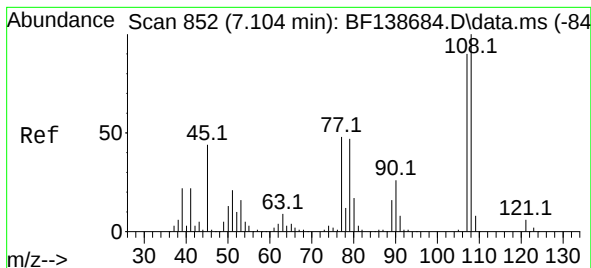
Ion Ratio Lower Upper

45 100

77 33.4 0.0 34.9

79 31.4 0.0 32.2





#17

2-Methylphenol

Concen: 10.104 ng

RT: 7.104 min Scan# 852

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:107 Resp: 26953

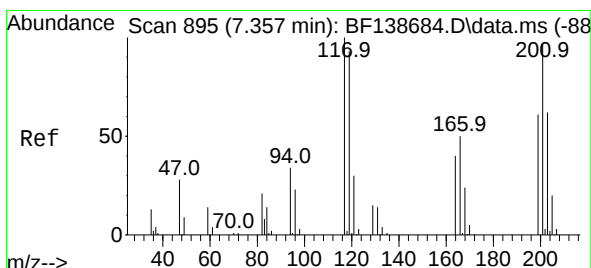
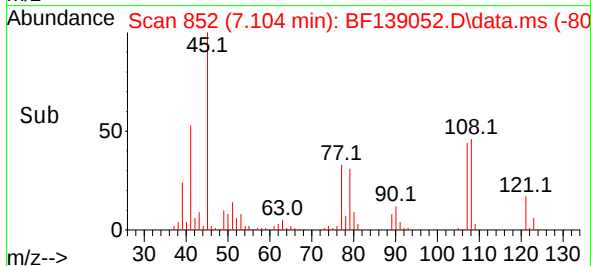
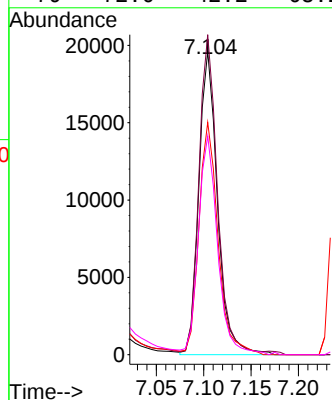
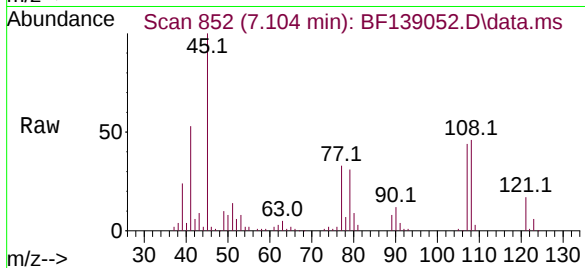
Ion Ratio Lower Upper

107 100

108 105.4 89.2 133.8

77 76.6 43.0 64.4#

79 72.0 42.2 63.2#



#18

Hexachloroethane

Concen: 9.979 ng

RT: 7.340 min Scan# 892

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

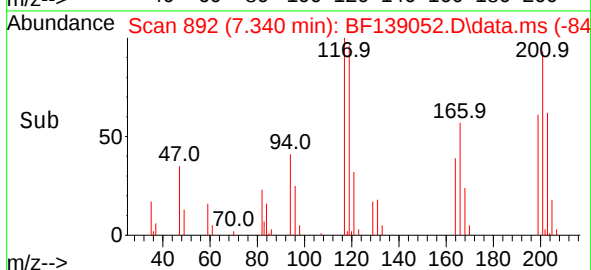
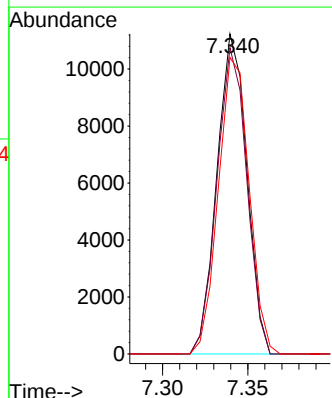
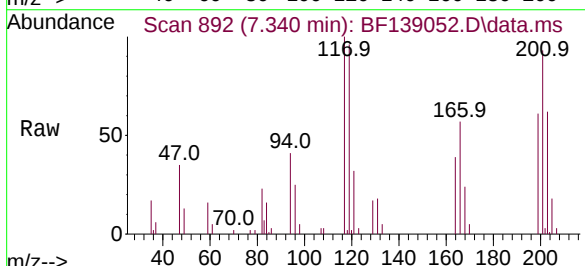
Tgt Ion:117 Resp: 13708

Ion Ratio Lower Upper

117 100

119 95.7 74.6 111.8

201 92.7 77.2 115.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.708 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139052.D

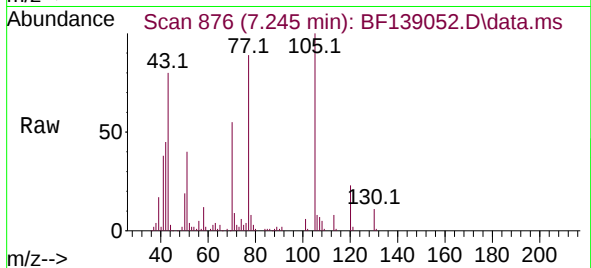
Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 26661

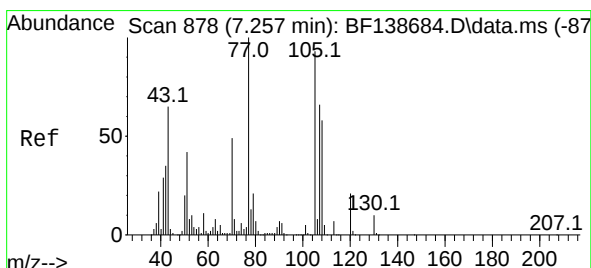
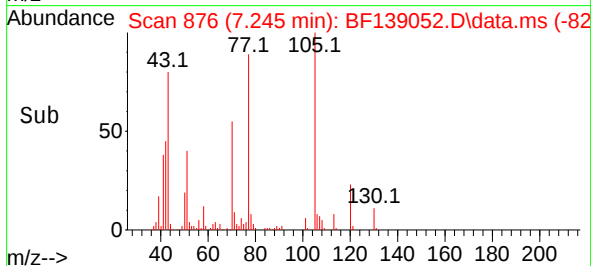
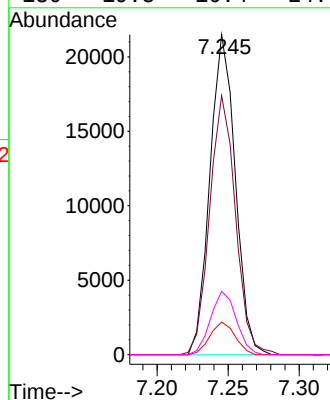
Ion Ratio Lower Upper

70 100

42 80.9 57.4 86.0

101 10.2 7.5 11.3

130 19.8 16.4 24.6



#20

3+4-Methylphenols

Concen: 10.025 ng

RT: 7.263 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Tgt Ion:107 Resp: 34310

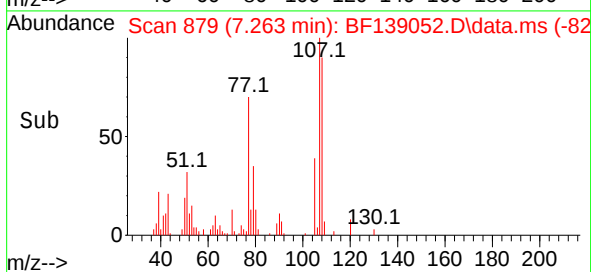
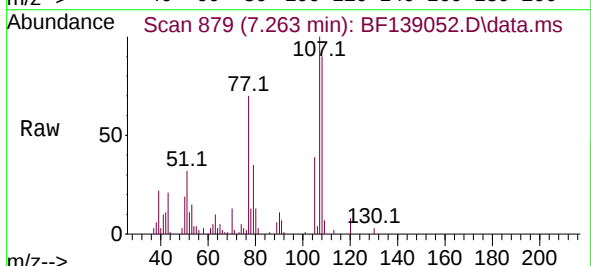
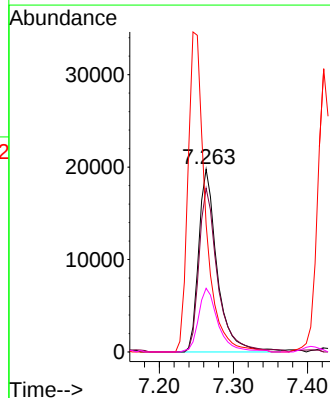
Ion Ratio Lower Upper

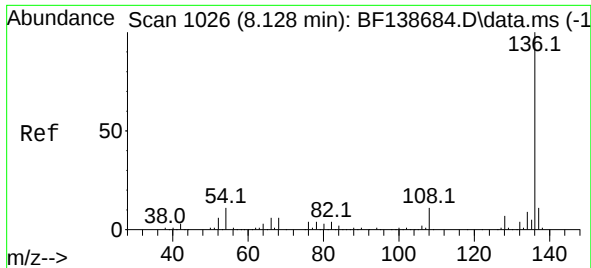
107 100

108 89.6 68.2 108.2

77 69.9 132.1 172.1#

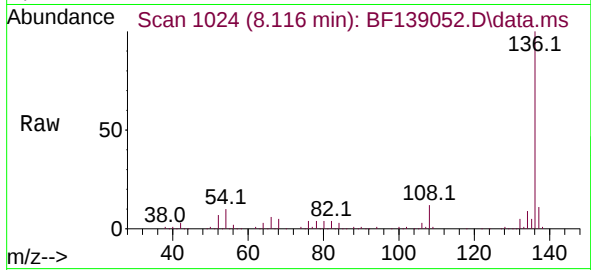
79 34.9 11.5 51.5



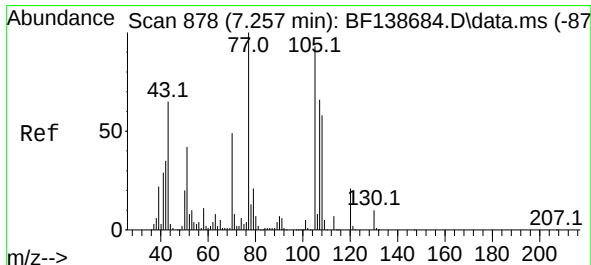
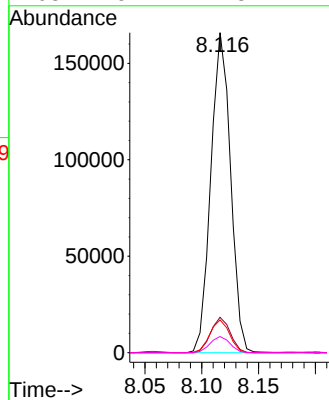
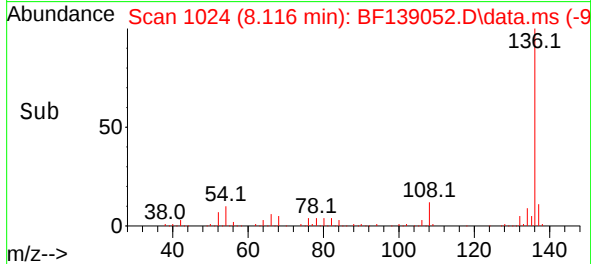


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

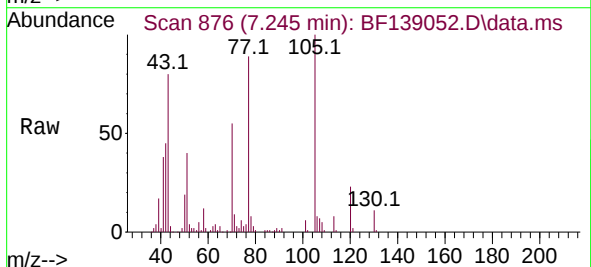
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024



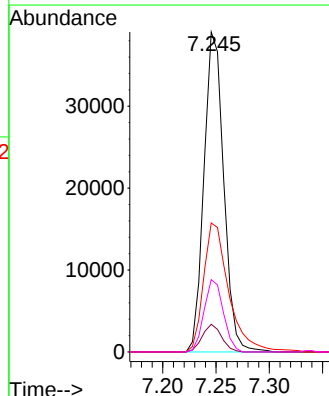
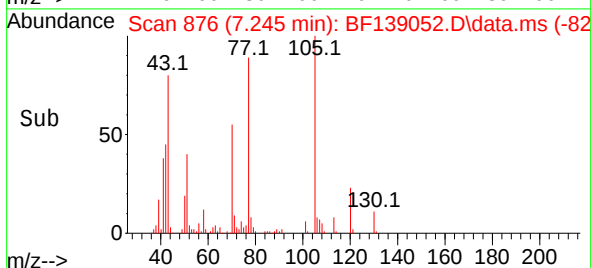
Tgt Ion:136 Resp: 200214
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.2 8.6 12.8
68 5.1 4.8 7.2

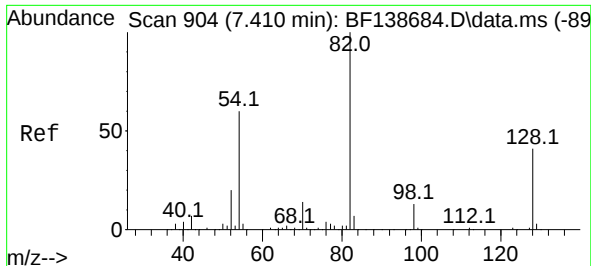


#22
Acetophenone
Concen: 10.288 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43



Tgt Ion:105 Resp: 50436
Ion Ratio Lower Upper
105 100
71 8.7 7.2 10.8
51 40.3 35.9 53.9
120 22.6 17.6 26.4





#23

Nitrobenzene-d5

Concen: 81.690 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

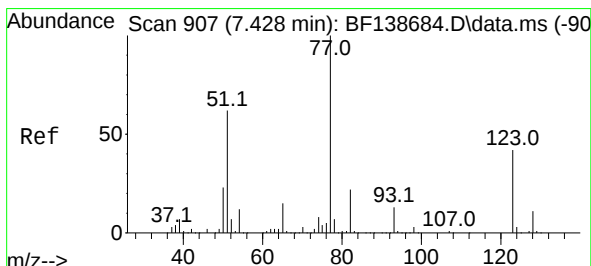
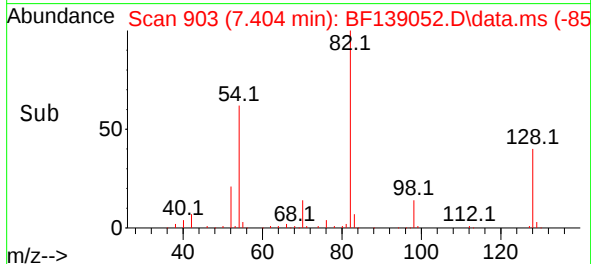
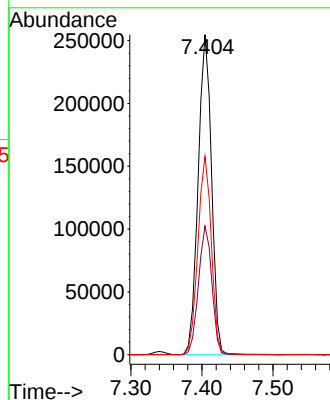
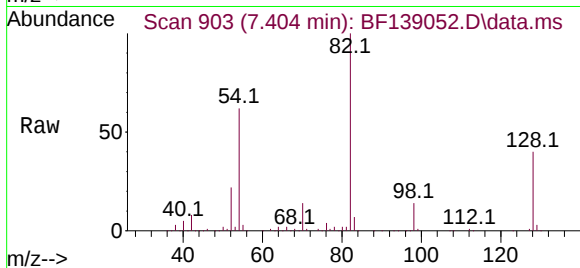
Tgt Ion: 82 Resp: 334527

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

54 61.9 48.3 72.5



#24

Nitrobenzene

Concen: 9.505 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

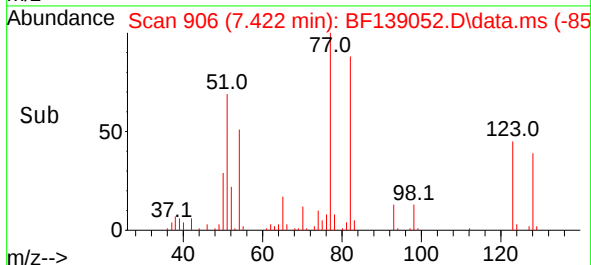
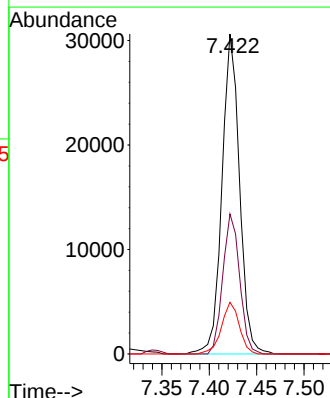
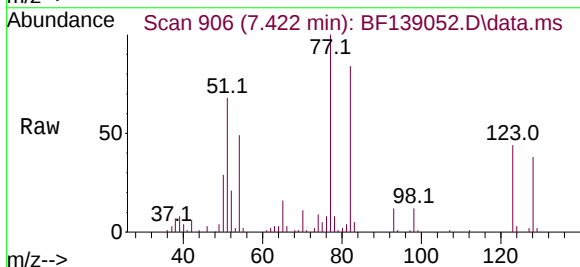
Tgt Ion: 77 Resp: 39606

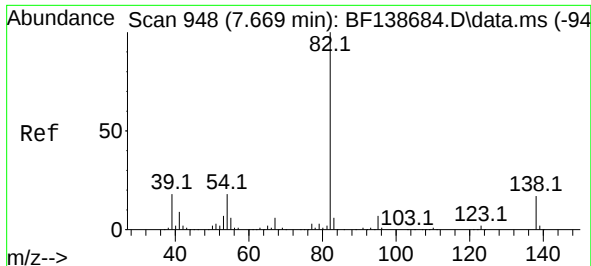
Ion Ratio Lower Upper

77 100

123 43.7 33.3 49.9

65 16.2 11.9 17.9





#25

Isophorone

Concen: 10.274 ng

RT: 7.657 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

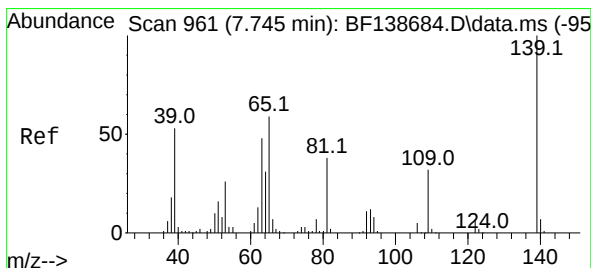
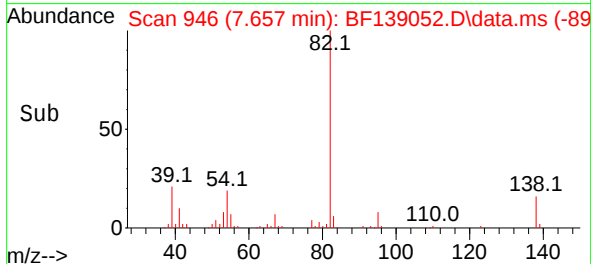
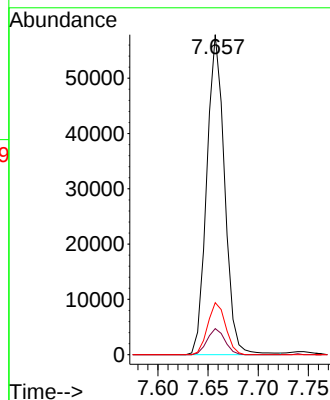
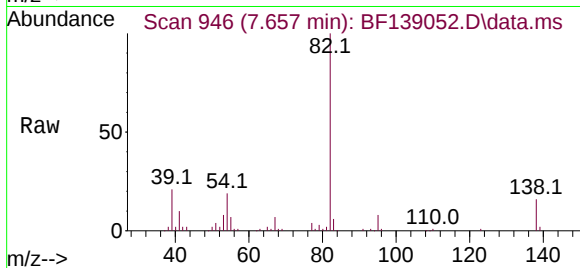
Tgt Ion: 82 Resp: 71840

Ion Ratio Lower Upper

82 100

95 8.1 5.7 8.5

138 16.3 13.7 20.5



#26

2-Nitrophenol

Concen: 9.706 ng

RT: 7.740 min Scan# 960

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

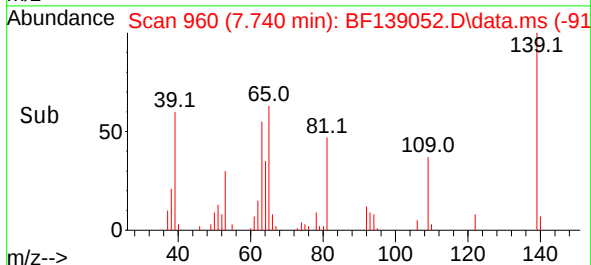
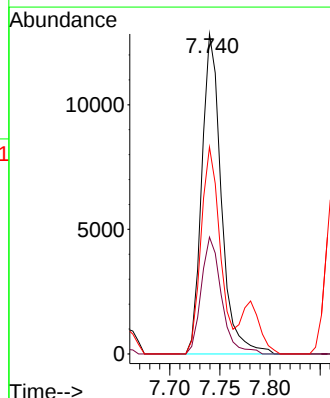
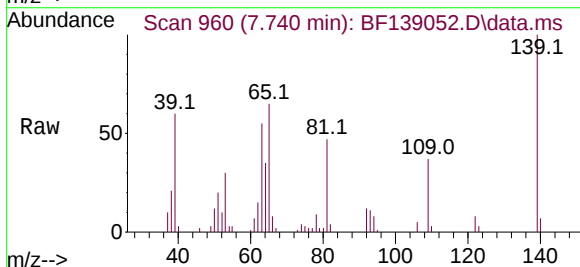
Tgt Ion:139 Resp: 17401

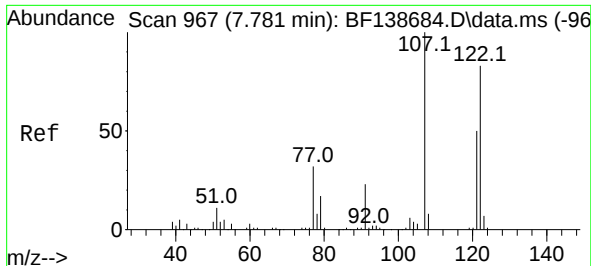
Ion Ratio Lower Upper

139 100

109 36.5 25.9 38.9

65 64.6 47.0 70.6

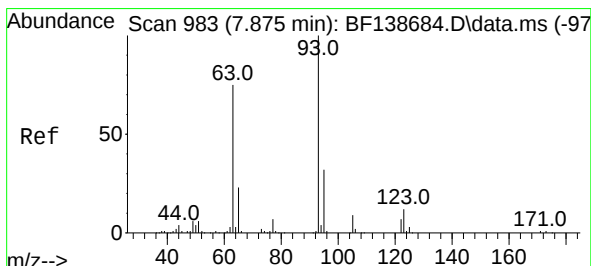
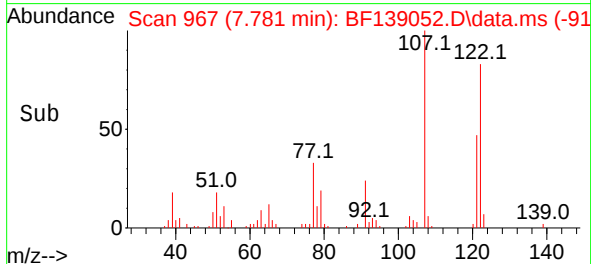
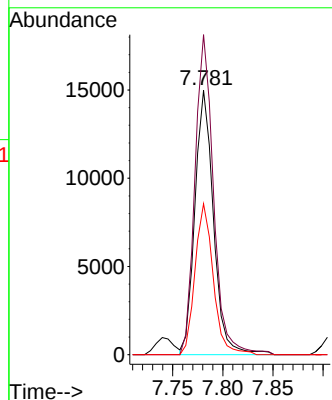
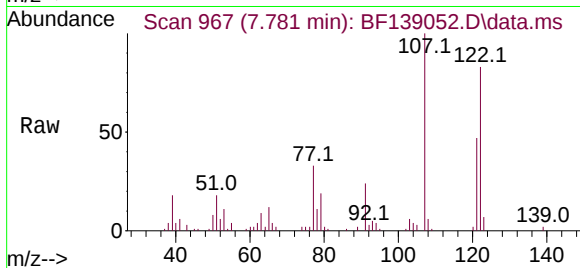




#27
2,4-Dimethylphenol
Concen: 9.062 ng
RT: 7.781 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

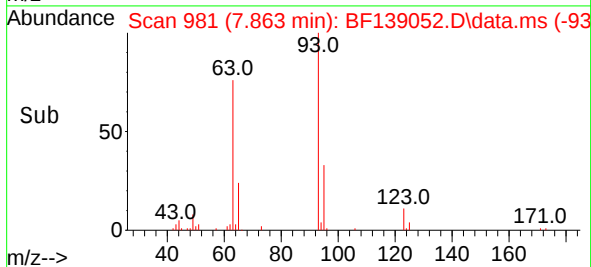
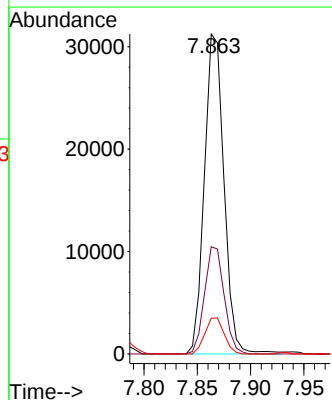
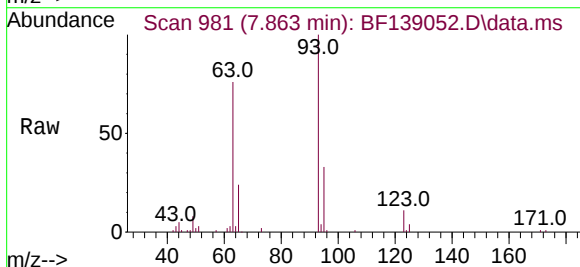
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

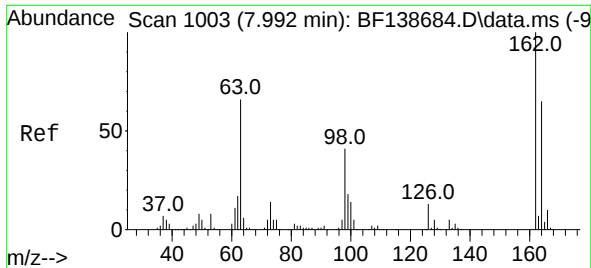
Tgt Ion:122 Resp: 19439
Ion Ratio Lower Upper
122 100
107 121.1 95.0 142.6
121 57.1 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 9.414 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion: 93 Resp: 40087
Ion Ratio Lower Upper
93 100
95 33.5 25.8 38.8
123 11.1 9.4 14.0

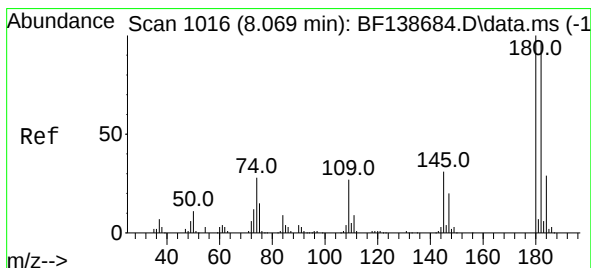
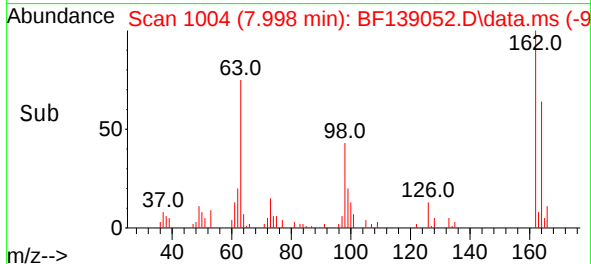
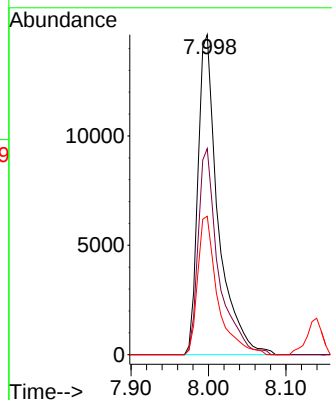
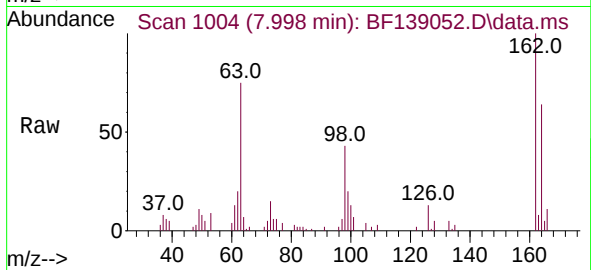




#29
2,4-Dichlorophenol
Concen: 9.593 ng
RT: 7.998 min Scan# 1003
Delta R.T. 0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

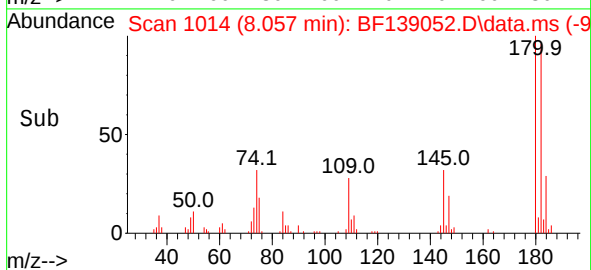
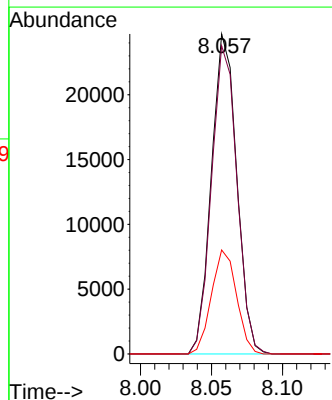
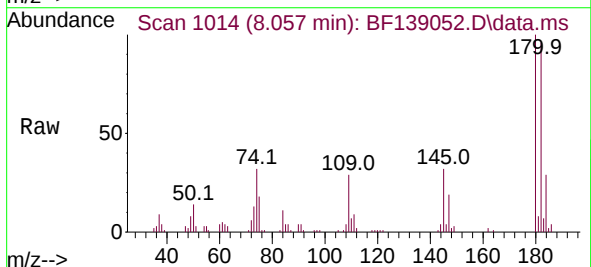
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

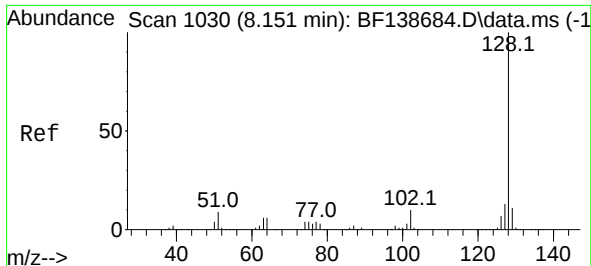
Tgt Ion:162 Resp: 26442
Ion Ratio Lower Upper
162 100
164 64.4 44.7 84.7
98 43.3 20.8 60.8



#30
1,2,4-Trichlorobenzene
Concen: 9.609 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:180 Resp: 30566
Ion Ratio Lower Upper
180 100
182 96.3 76.9 115.3
145 32.5 25.0 37.4

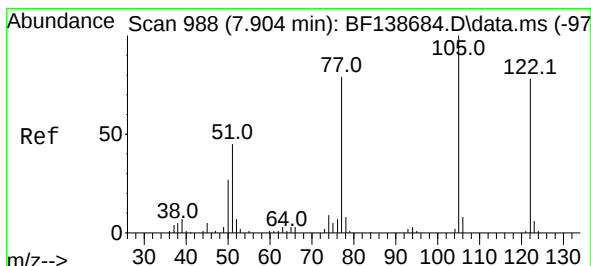
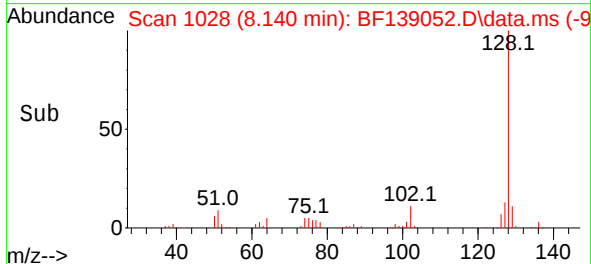
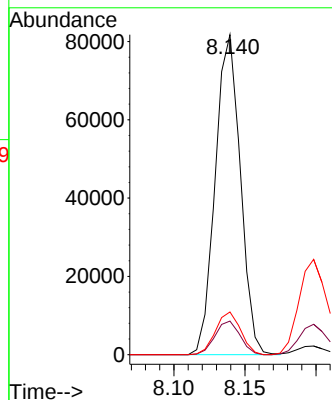
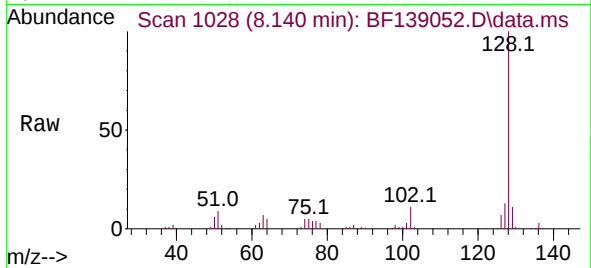




#31
Naphthalene
Concen: 9.536 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

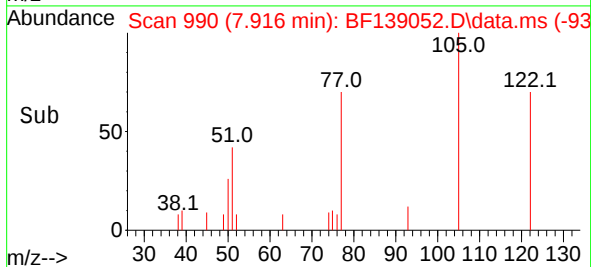
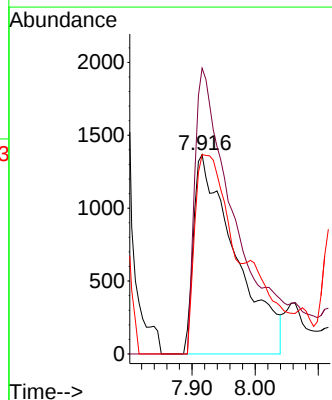
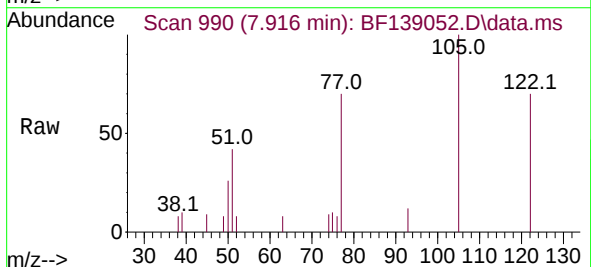
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

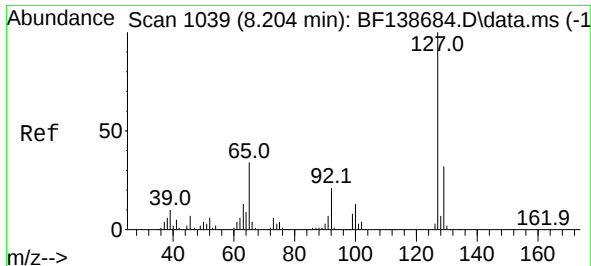
Tgt Ion:128 Resp: 100495
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 3.720 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:122 Resp: 6273
Ion Ratio Lower Upper
122 100
105 143.3 106.7 146.7
77 99.9 81.1 121.1





#33

4-Chloroaniline

Concen: 10.483 ng

RT: 8.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 37084

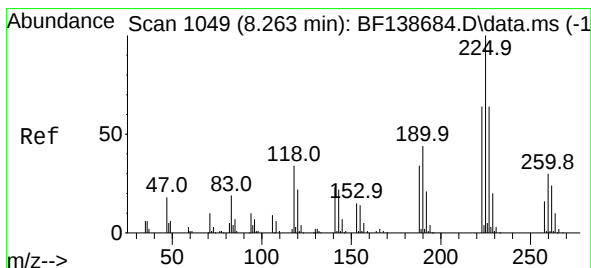
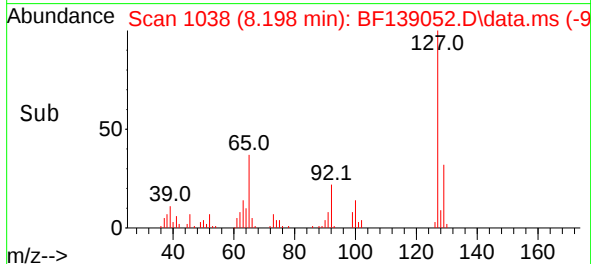
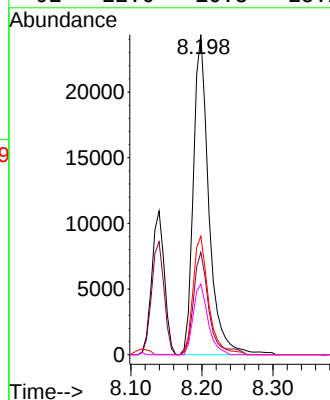
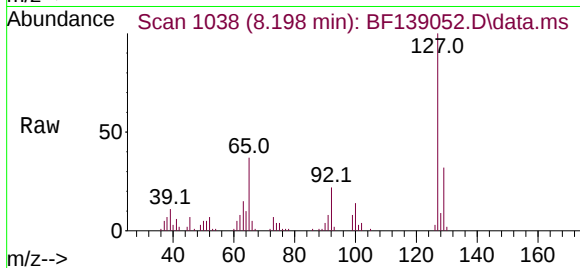
Ion Ratio Lower Upper

127 100

129 32.0 25.9 38.9

65 37.0 27.6 41.4

92 22.0 16.8 25.2



#34

Hexachlorobutadiene

Concen: 10.126 ng

RT: 8.245 min Scan# 1046

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

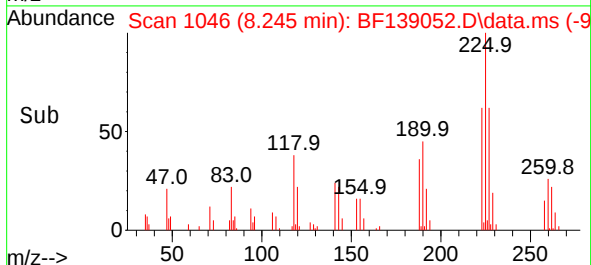
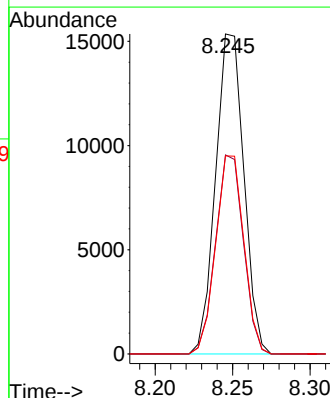
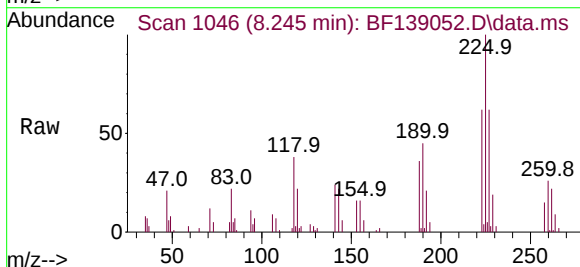
Tgt Ion:225 Resp: 19510

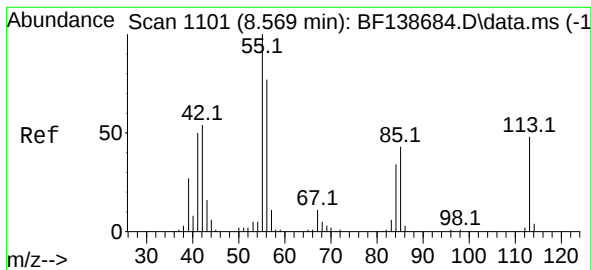
Ion Ratio Lower Upper

225 100

223 62.2 51.2 76.8

227 61.9 51.1 76.7





#35

Caprolactam

Concen: 10.060 ng

RT: 8.545 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

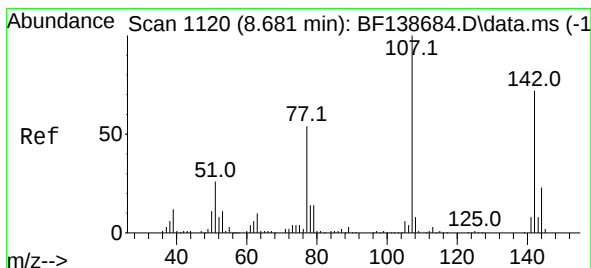
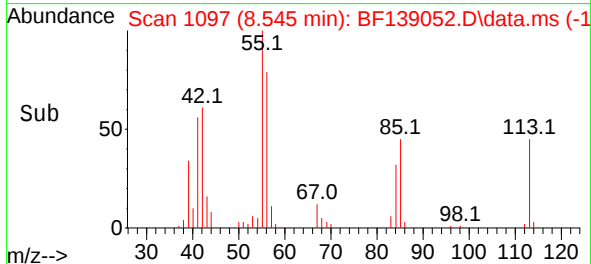
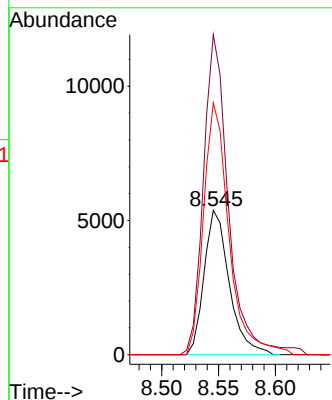
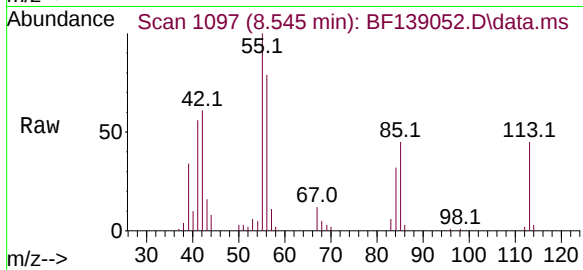
Tgt Ion:113 Resp: 8274

Ion Ratio Lower Upper

113 100

55 221.8 186.7 226.7

56 174.6 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 10.444 ng

RT: 8.687 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

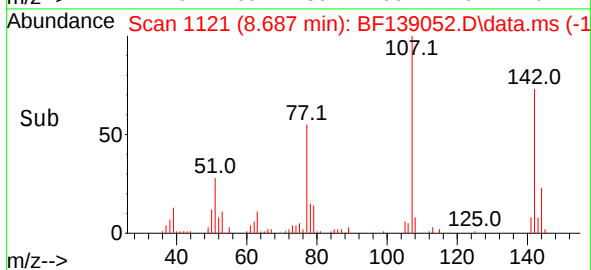
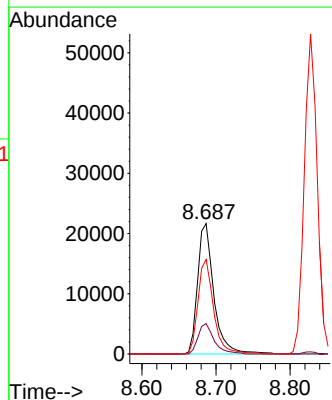
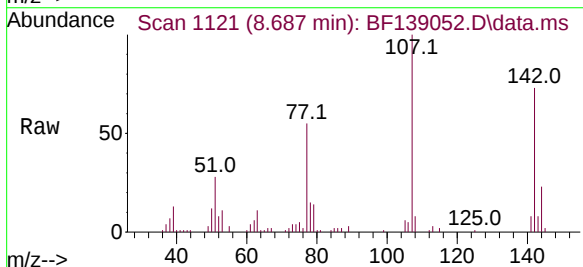
Tgt Ion:107 Resp: 32899

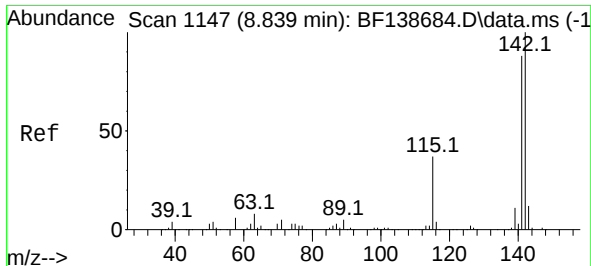
Ion Ratio Lower Upper

107 100

144 23.3 18.2 27.2

142 72.5 57.4 86.2





#37

2-Methylnaphthalene

Concen: 9.692 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

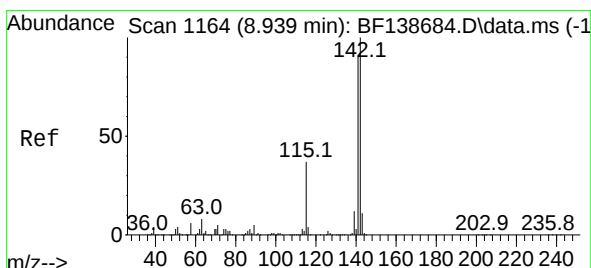
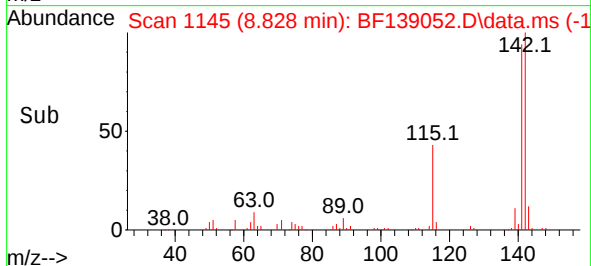
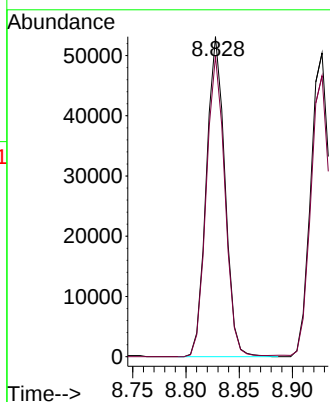
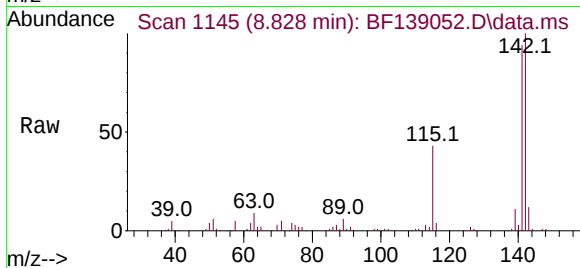
LOQ-SOIL-02-QT3-2024

Tgt Ion:142 Resp: 64510

Ion Ratio Lower Upper

142 100

141 93.9 70.8 106.2



#38

1-Methylnaphthalene

Concen: 9.658 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139052.D

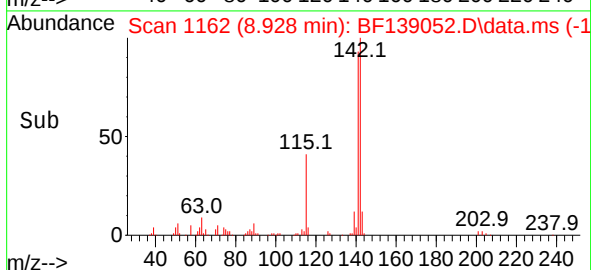
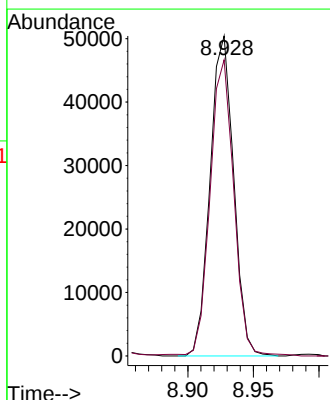
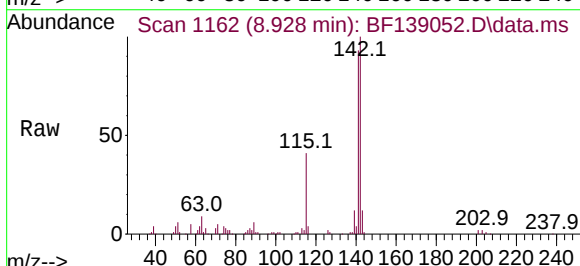
Acq: 16 Aug 2024 11:43

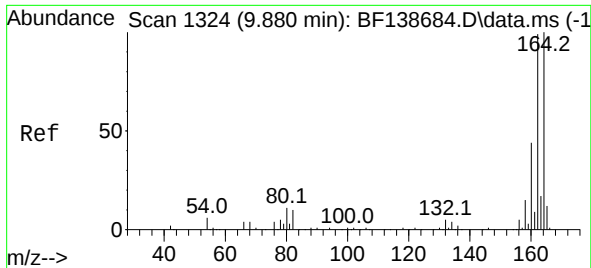
Tgt Ion:142 Resp: 62987

Ion Ratio Lower Upper

142 100

141 92.6 73.1 109.7

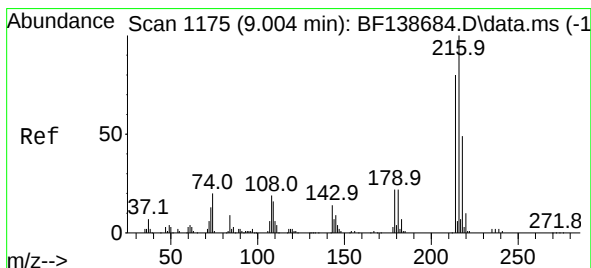
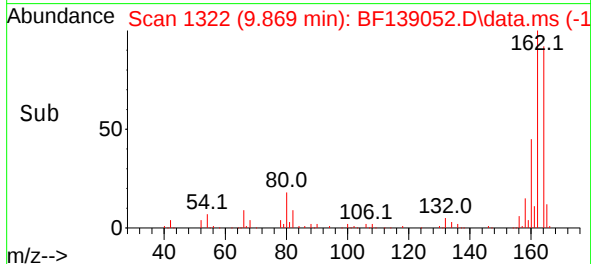
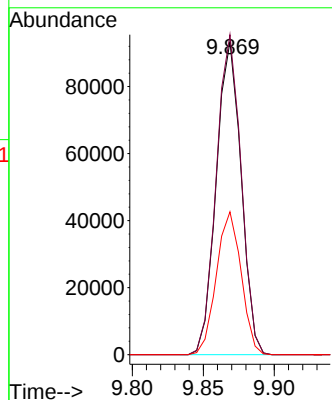
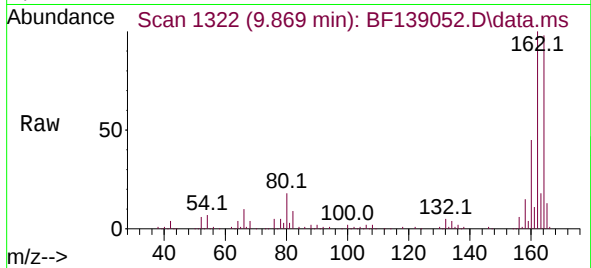




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1173
Delta R.T. -0.011 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

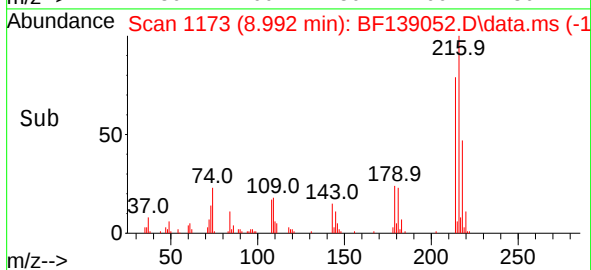
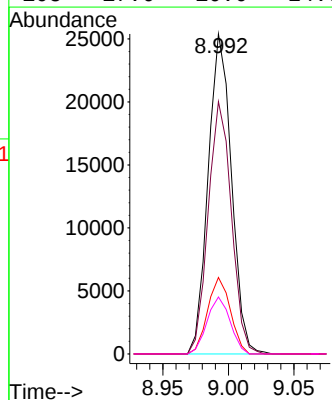
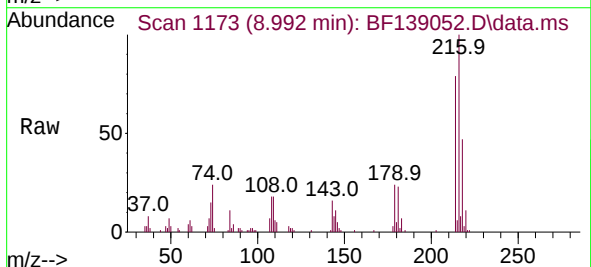
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

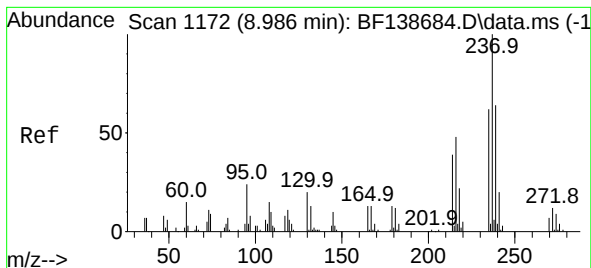
Tgt Ion:164 Resp: 113445
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.0
160 45.6 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.960 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:216 Resp: 31388
Ion Ratio Lower Upper
216 100
214 78.3 63.9 95.9
179 23.3 17.8 26.6
108 17.6 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 7.911 ng

RT: 8.975 min Scan# 1172

Delta R.T. -0.011 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

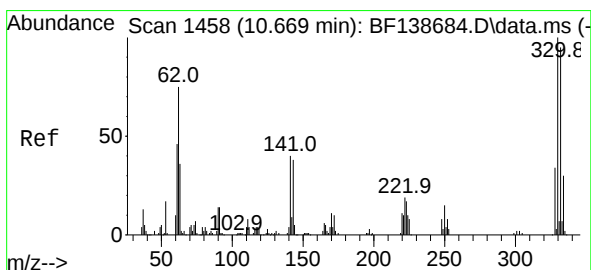
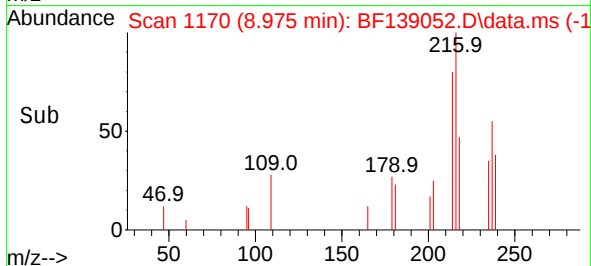
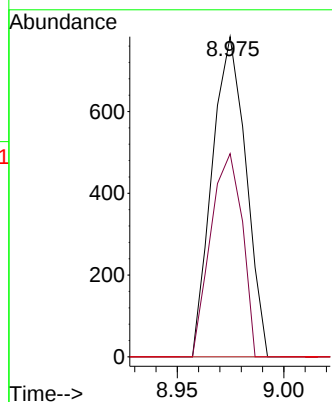
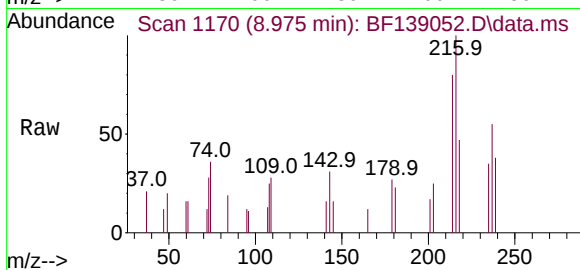
Tgt Ion:237 Resp: 864

Ion Ratio Lower Upper

237 100

235 63.5 41.8 81.8

272 0.0 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 126.968 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

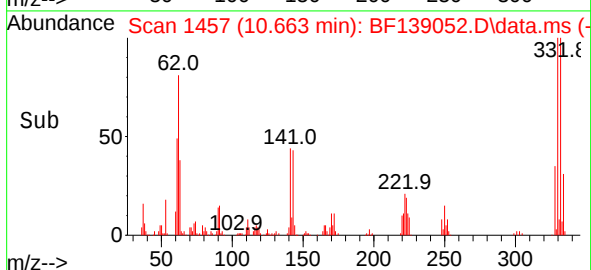
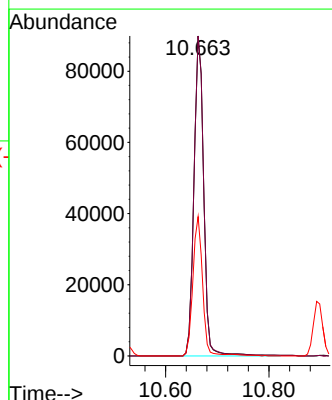
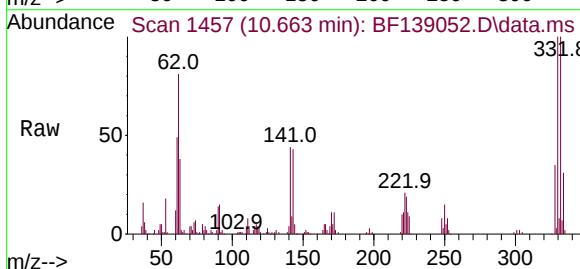
Tgt Ion:330 Resp: 117987

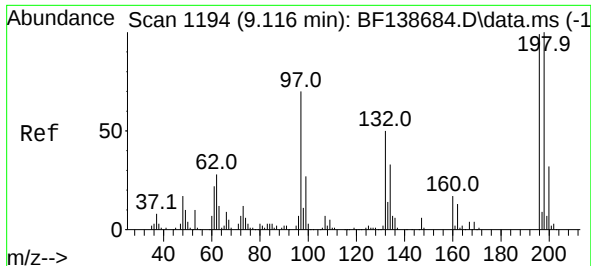
Ion Ratio Lower Upper

330 100

332 98.4 76.4 114.6

141 42.8 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 8.395 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

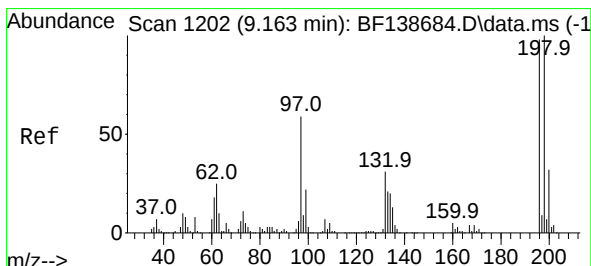
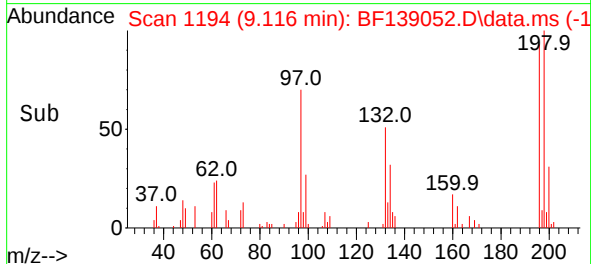
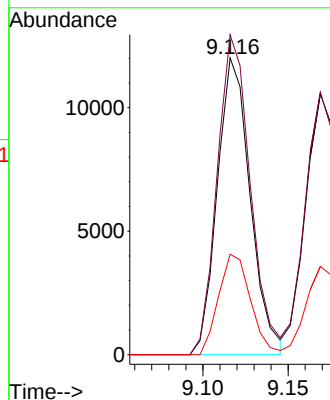
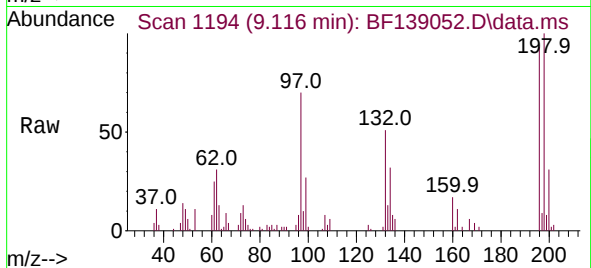
Tgt Ion:196 Resp: 16131

Ion Ratio Lower Upper

196 100

198 107.8 80.5 120.7

200 33.8 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 8.178 ng

RT: 9.169 min Scan# 1203

Delta R.T. 0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Tgt Ion:196 Resp: 17179

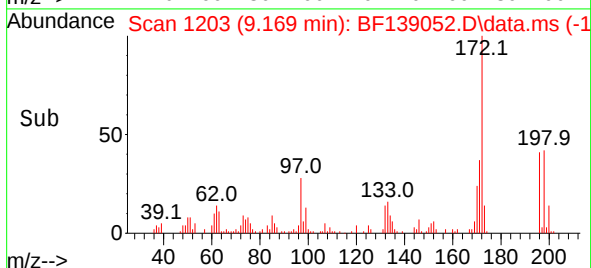
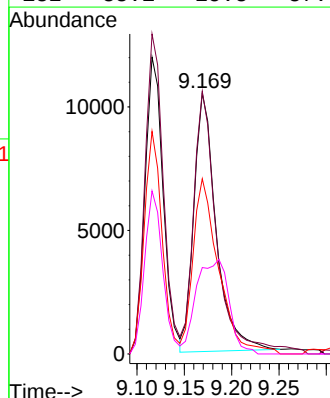
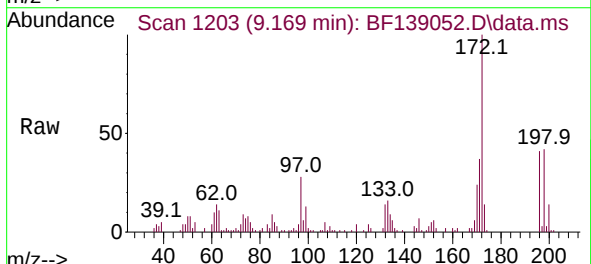
Ion Ratio Lower Upper

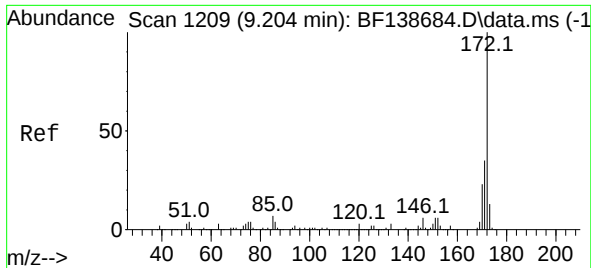
196 100

198 100.7 81.2 121.8

97 67.2 47.8 71.6

132 33.1 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 82.999 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

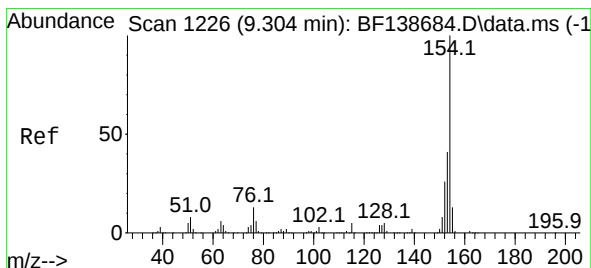
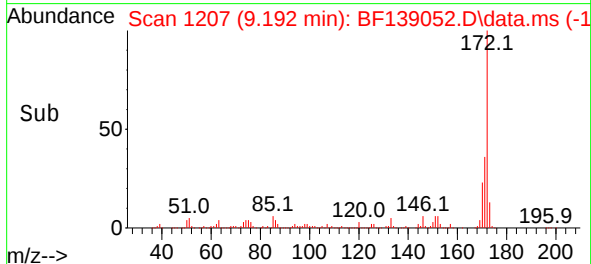
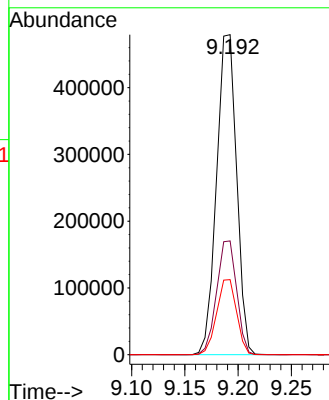
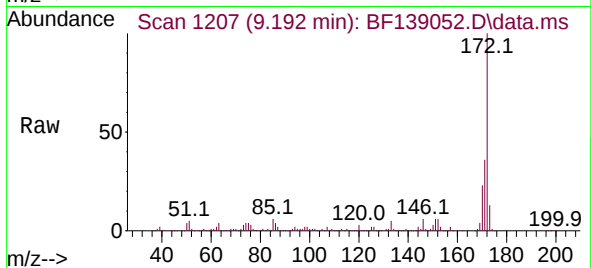
Tgt Ion:172 Resp: 626678

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 9.964 ng

RT: 9.286 min Scan# 1223

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

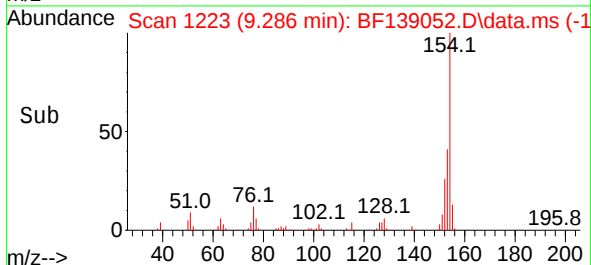
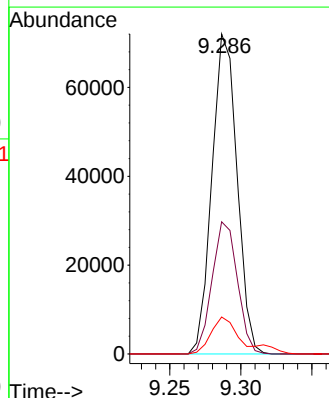
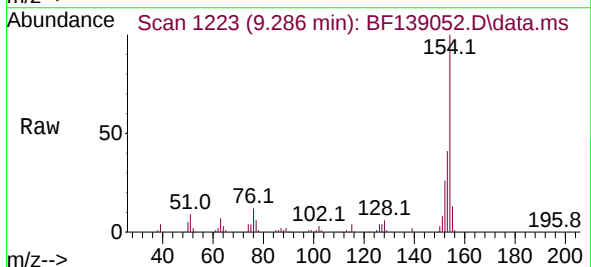
Tgt Ion:154 Resp: 88533

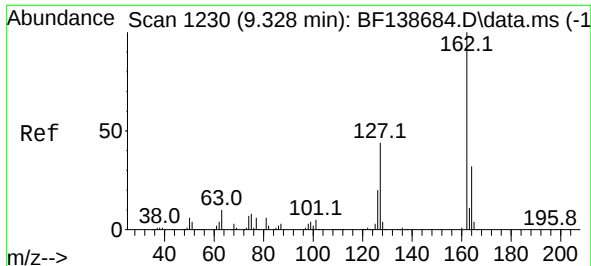
Ion Ratio Lower Upper

154 100

153 41.3 20.8 60.8

76 11.5 0.0 32.8





#47

2-Chloronaphthalene

Concen: 9.655 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

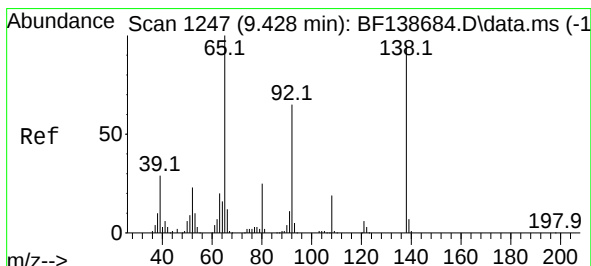
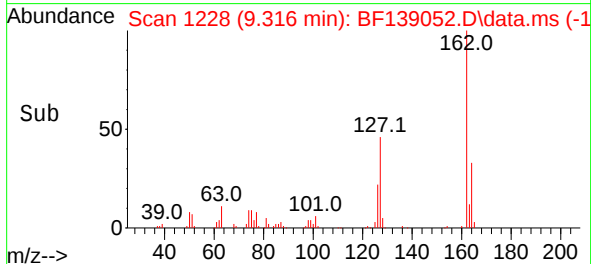
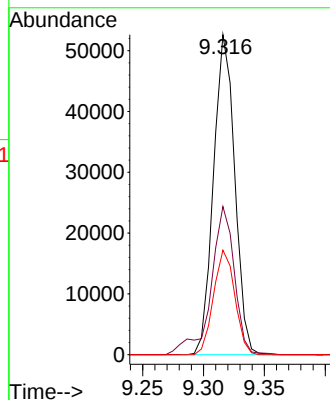
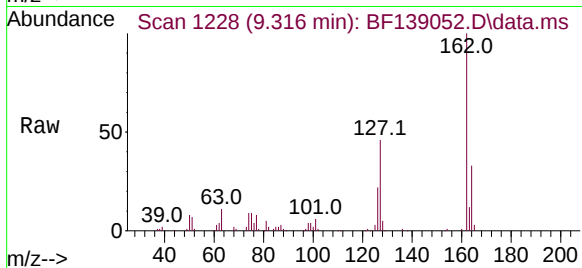
Tgt Ion:162 Resp: 63799

Ion Ratio Lower Upper

162 100

127 46.3 35.4 53.2

164 32.7 25.6 38.4



#48

2-Nitroaniline

Concen: 10.084 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

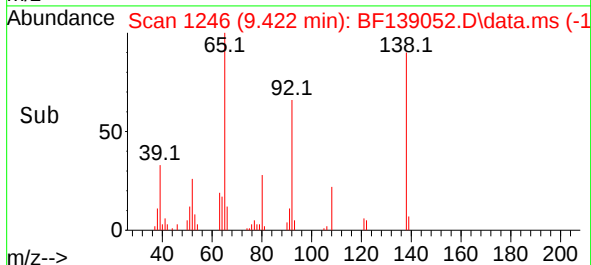
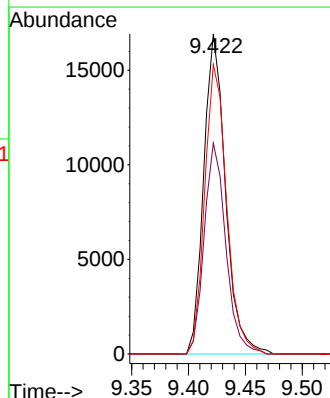
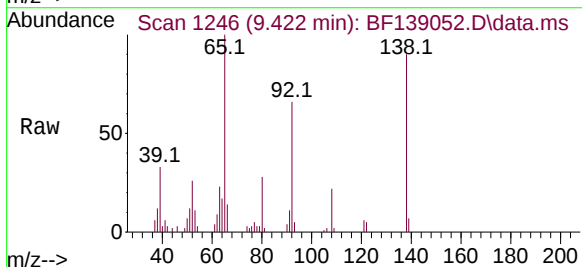
Tgt Ion: 65 Resp: 22589

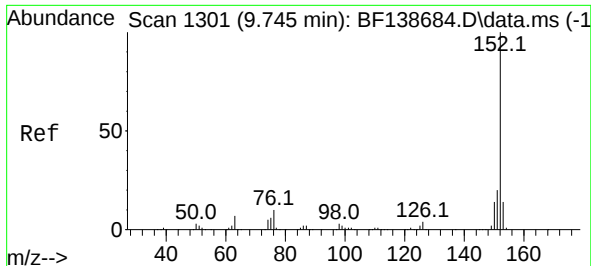
Ion Ratio Lower Upper

65 100

92 65.9 52.0 78.0

138 90.5 76.2 114.4





#49

Acenaphthylene

Concen: 10.705 ng

RT: 9.728 min Scan# 1298

Delta R.T. -0.018 min

Lab File: BF139052.D

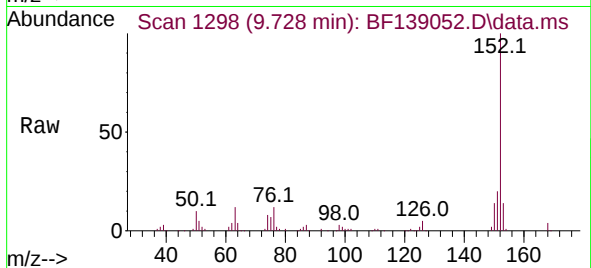
Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



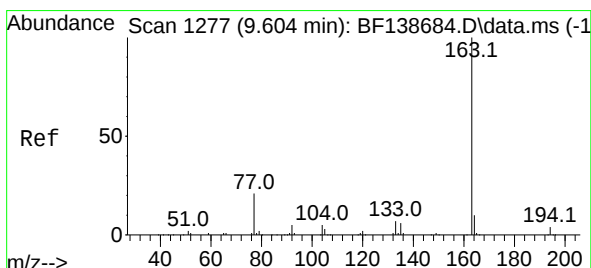
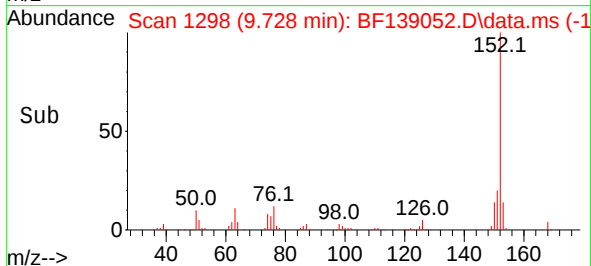
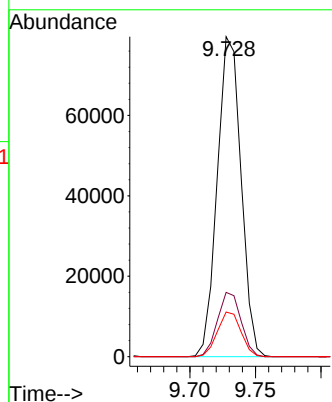
Tgt Ion:152 Resp: 100323

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 14.0 11.0 16.4



#50

Dimethylphthalate

Concen: 10.885 ng

RT: 9.586 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

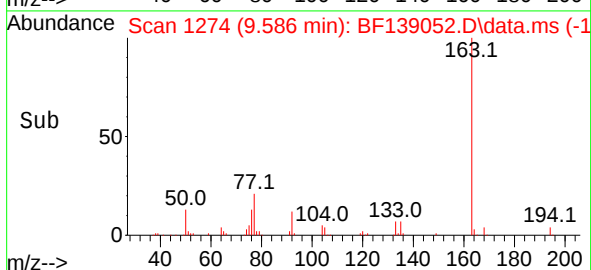
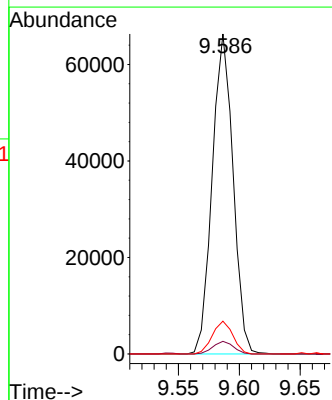
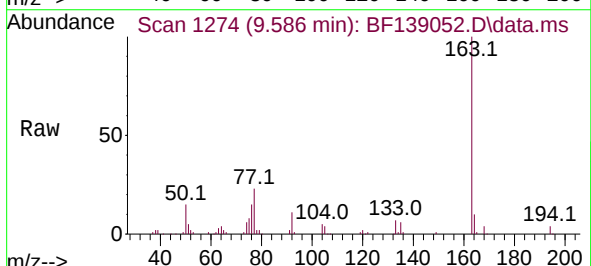
Tgt Ion:163 Resp: 78956

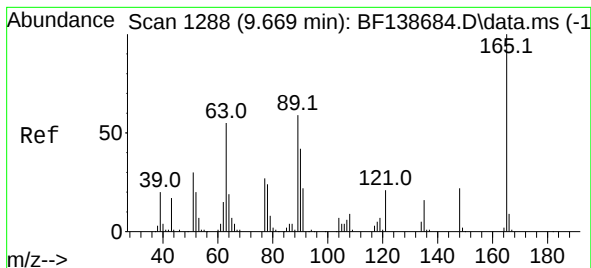
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 10.108 ng

RT: 9.657 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

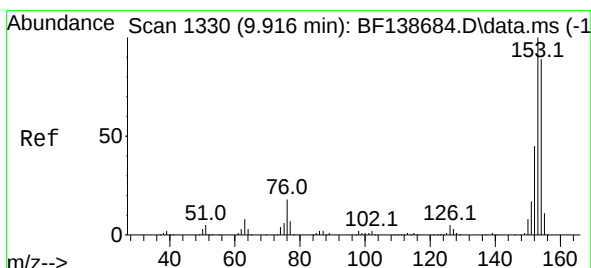
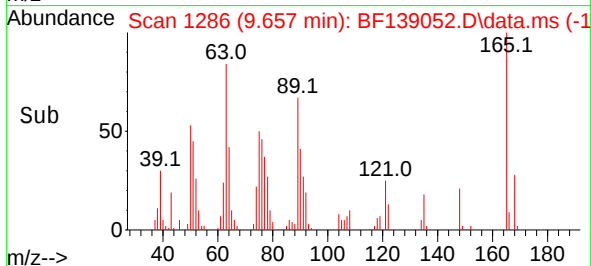
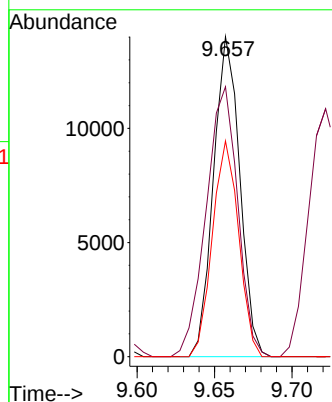
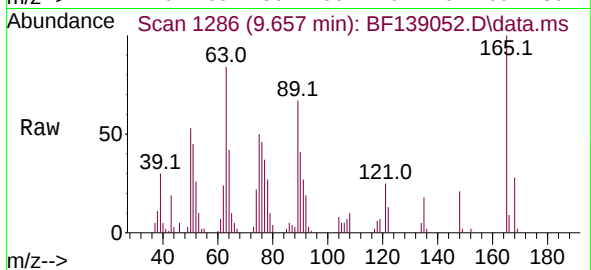
Tgt Ion:165 Resp: 16548

Ion Ratio Lower Upper

165 100

63 84.4 52.0 78.0#

89 67.4 47.0 70.6



#52

Acenaphthene

Concen: 9.751 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

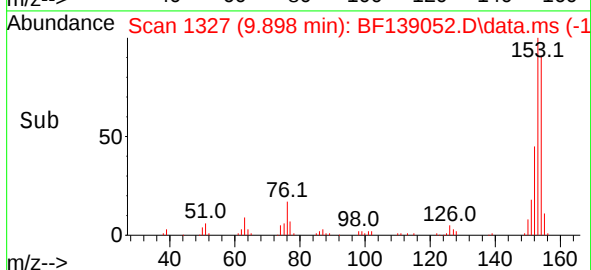
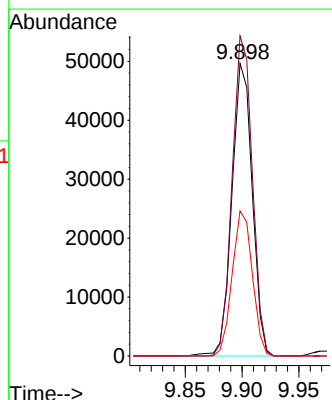
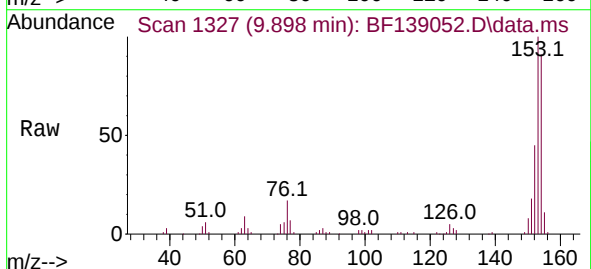
Tgt Ion:154 Resp: 61432

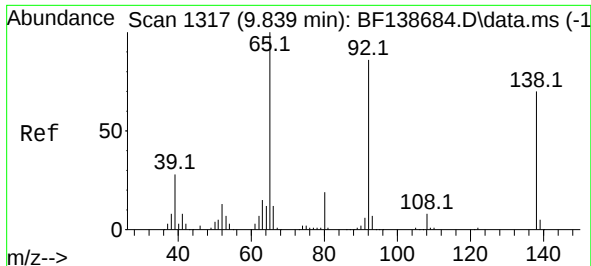
Ion Ratio Lower Upper

154 100

153 109.4 89.9 134.9

152 49.6 40.6 60.8





#53

3-Nitroaniline

Concen: 9.584 ng

RT: 9.834 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

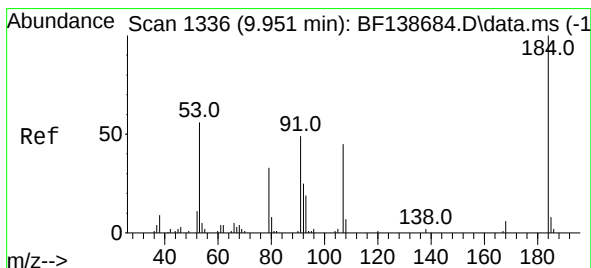
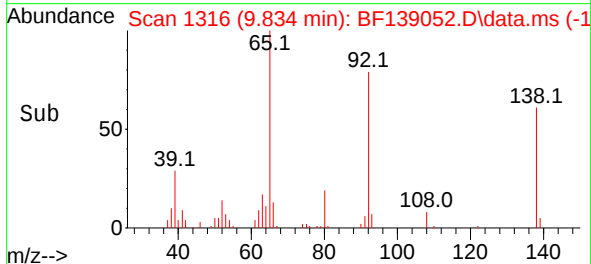
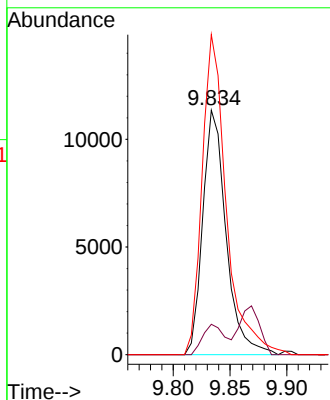
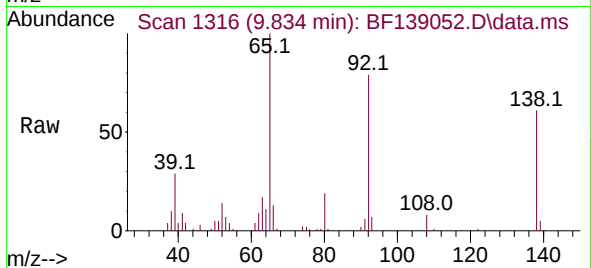
Tgt Ion:138 Resp: 16220

Ion Ratio Lower Upper

138 100

108 12.4 9.1 13.7

92 130.8 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 2.618 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.024 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

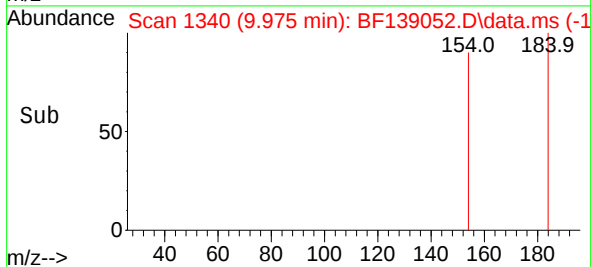
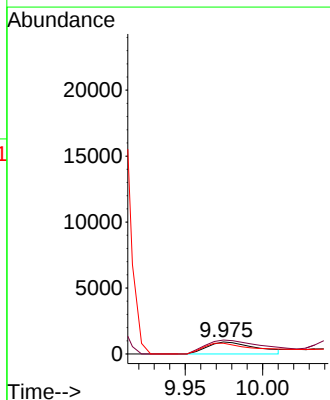
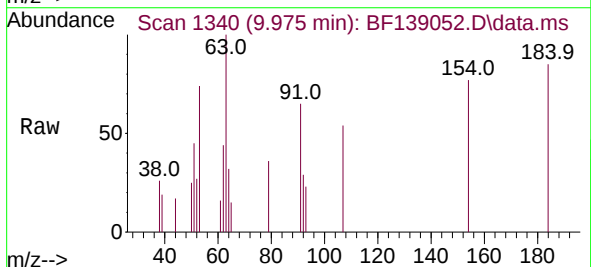
Tgt Ion:184 Resp: 1973

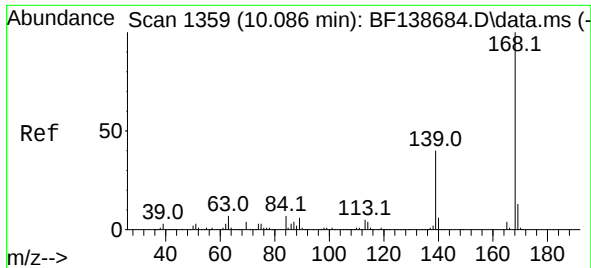
Ion Ratio Lower Upper

184 100

63 117.2 57.5 86.3#

154 90.4 51.7 77.5#

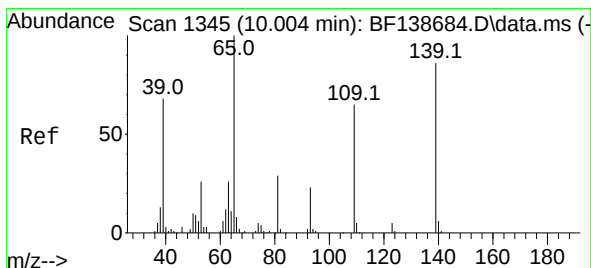
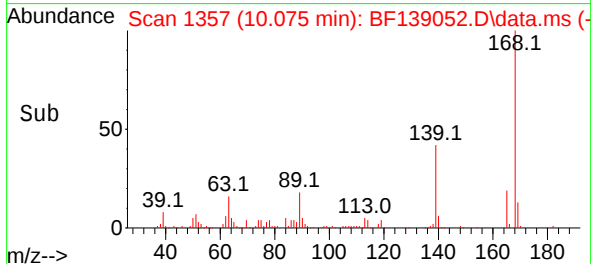
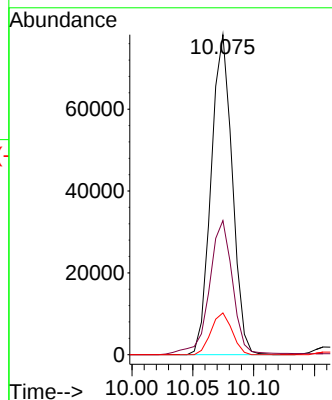
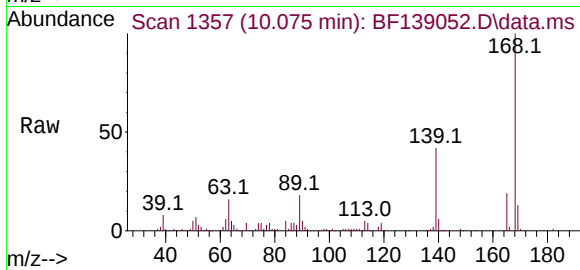




#55
Dibenzenofuran
Concen: 10.640 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

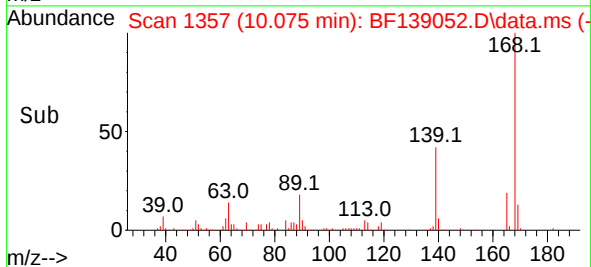
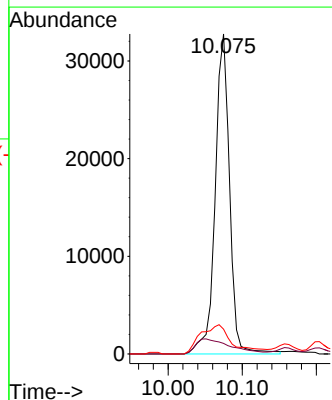
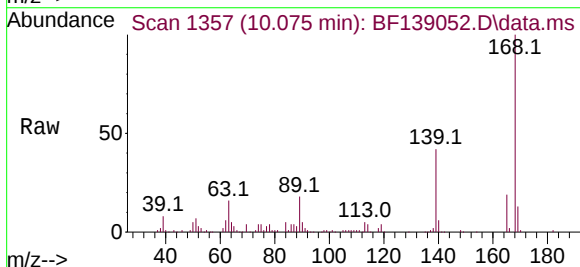
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

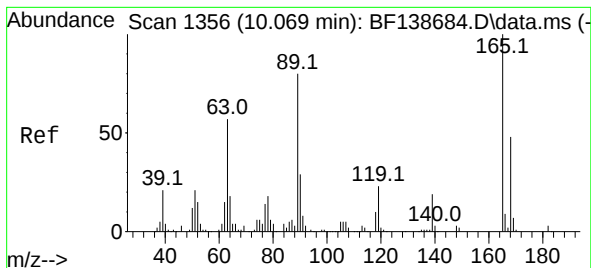
Tgt Ion:168 Resp: 94627
Ion Ratio Lower Upper
168 100
139 41.9 32.6 49.0
169 13.1 10.7 16.1



#56
4-Nitrophenol
Concen: 43.474 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.071 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:139 Resp: 44243
Ion Ratio Lower Upper
139 100
109 3.3 55.5 95.5#
65 7.8 96.7 136.7#





#57

2,4-Dinitrotoluene

Concen: 10.292 ng

RT: 10.069 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:165 Resp: 21496

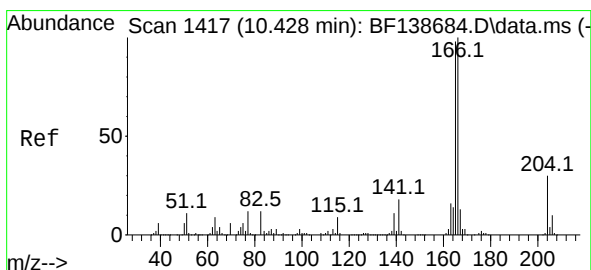
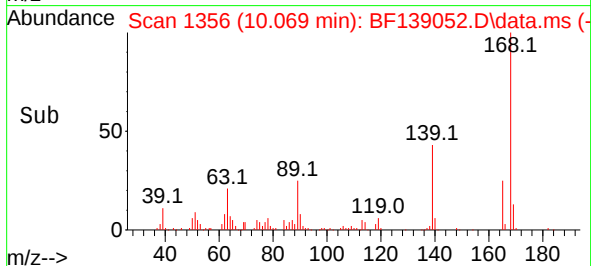
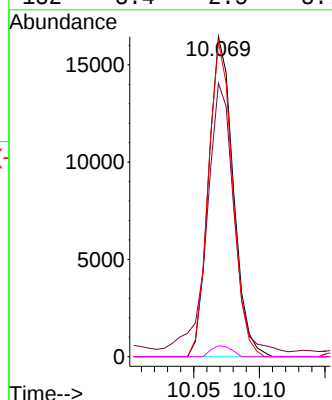
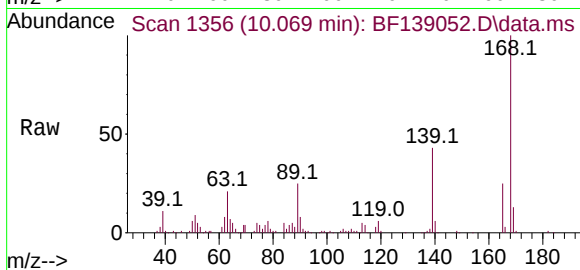
Ion Ratio Lower Upper

165 100

63 85.4 46.3 69.5#

89 98.5 64.2 96.4#

182 3.4 2.5 3.7



#58

Fluorene

Concen: 10.618 ng

RT: 10.416 min Scan# 1415

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

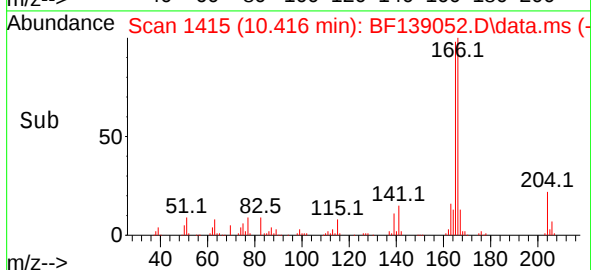
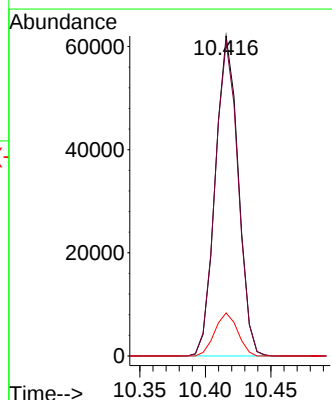
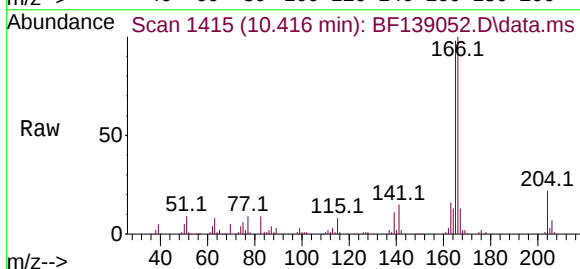
Tgt Ion:166 Resp: 75194

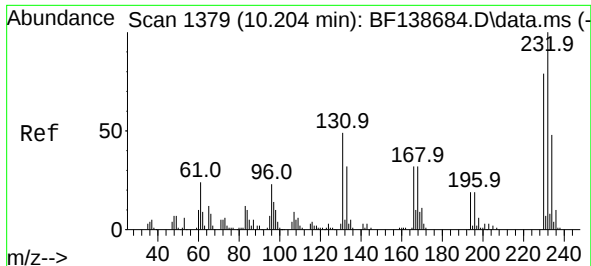
Ion Ratio Lower Upper

166 100

165 98.1 78.4 117.6

167 13.4 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.864 ng

RT: 10.204 min Scan# 1379

Delta R.T. 0.000 min

Lab File: BF139052.D

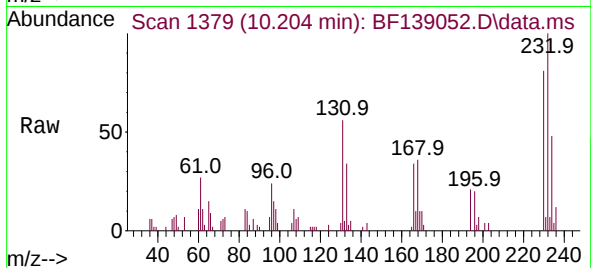
Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion:232 Resp: 14235

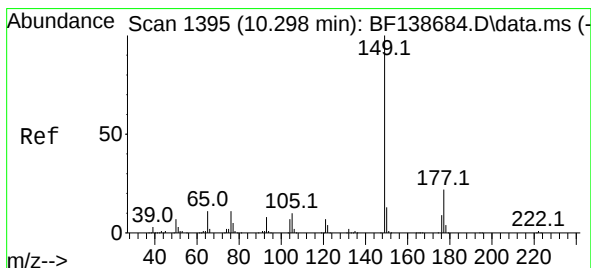
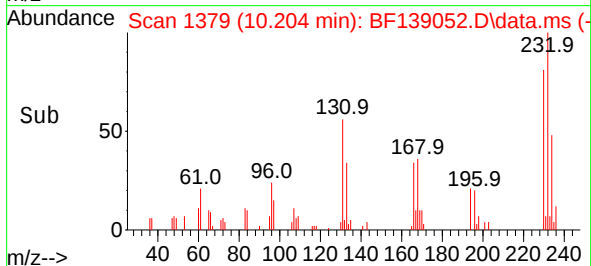
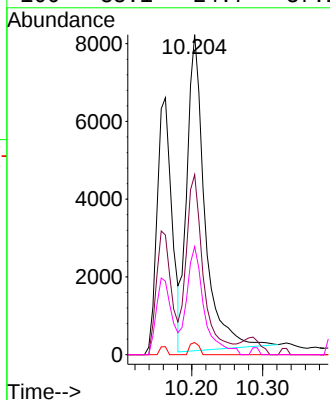
Ion Ratio Lower Upper

232 100

131 55.5 37.0 55.4#

130 2.0 2.0 3.0

166 33.1 24.7 37.1



#60

Diethylphthalate

Concen: 11.469 ng

RT: 10.286 min Scan# 1393

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

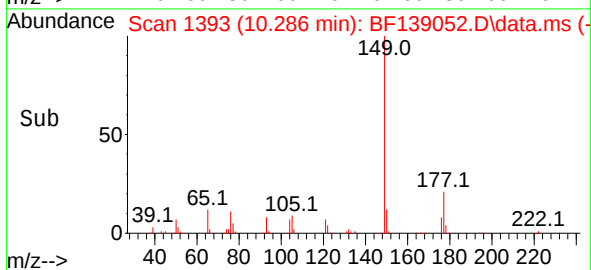
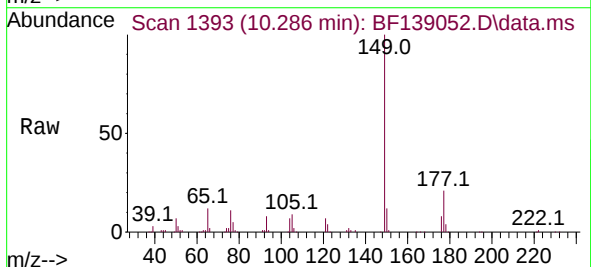
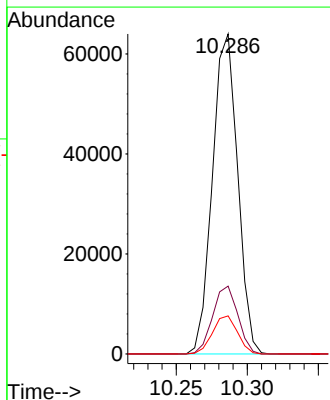
Tgt Ion:149 Resp: 78883

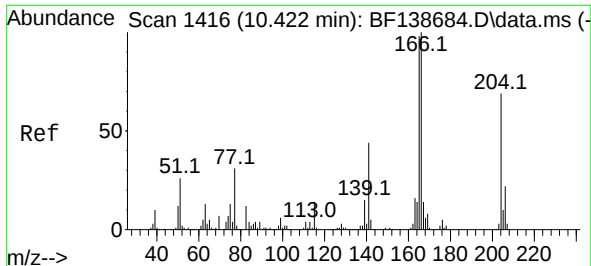
Ion Ratio Lower Upper

149 100

177 21.2 17.8 26.8

150 11.9 10.1 15.1





#61

4-Chlorophenyl-phenylether

Concen: 10.527 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

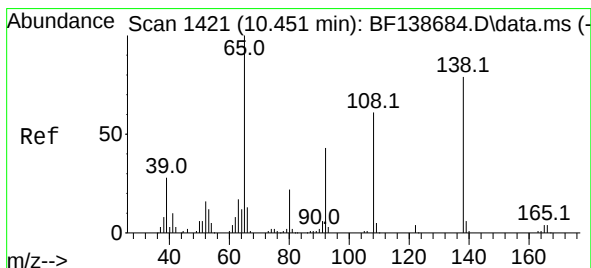
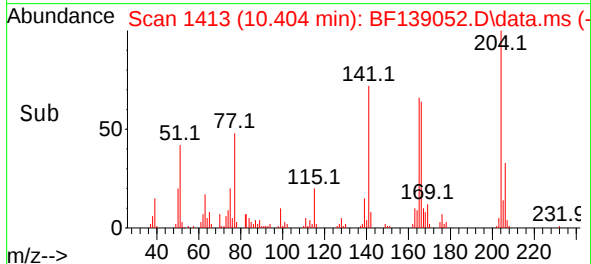
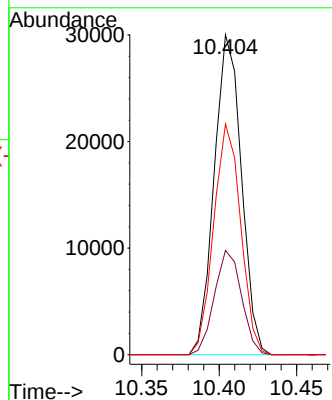
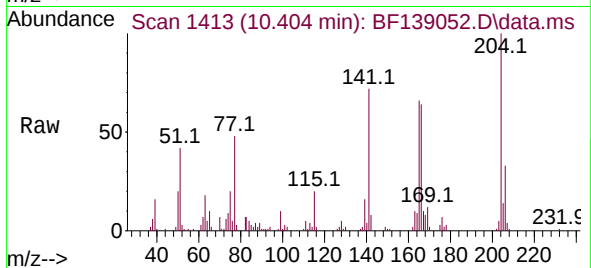
Tgt Ion:204 Resp: 36667

Ion Ratio Lower Upper

204 100

206 32.6 26.1 39.1

141 72.1 51.4 77.0



#62

4-Nitroaniline

Concen: 9.540 ng

RT: 10.445 min Scan# 1420

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

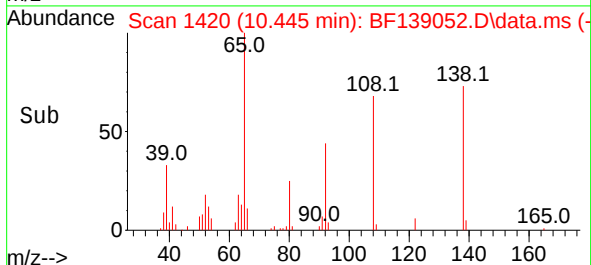
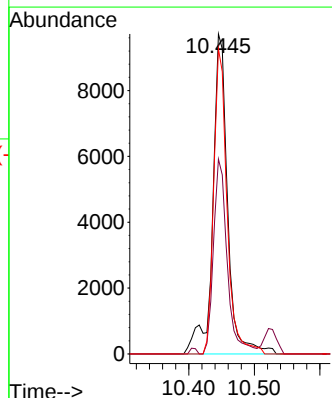
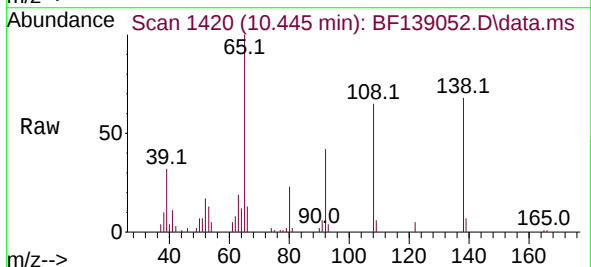
Tgt Ion:138 Resp: 15342

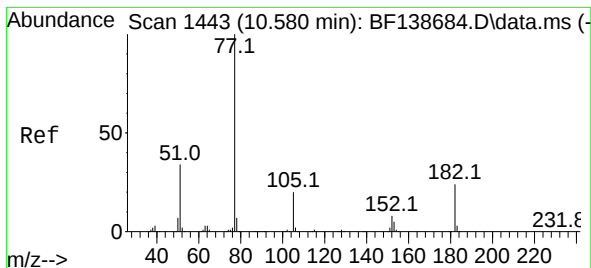
Ion Ratio Lower Upper

138 100

92 60.9 34.2 74.2

108 95.4 56.2 96.2





#63

Azobenzene

Concen: 10.796 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 82352

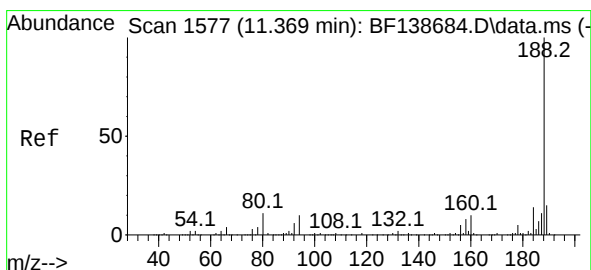
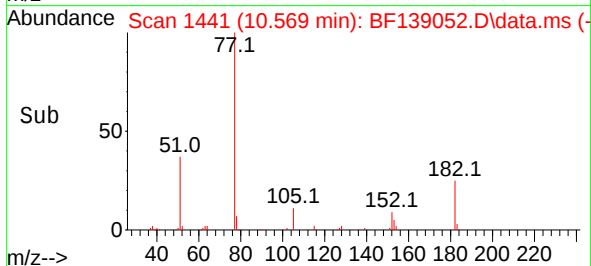
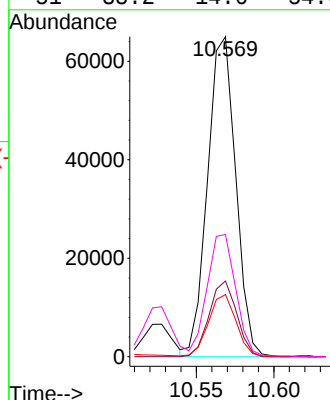
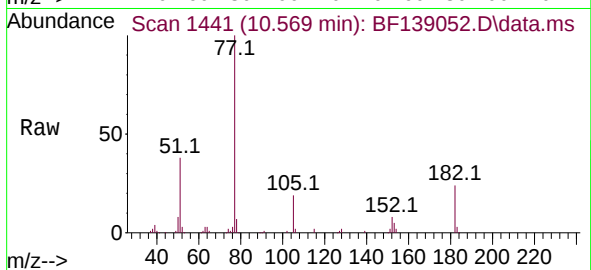
Ion Ratio Lower Upper

77 100

182 23.7 3.4 43.4

105 19.4 0.2 40.2

51 38.2 14.6 54.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

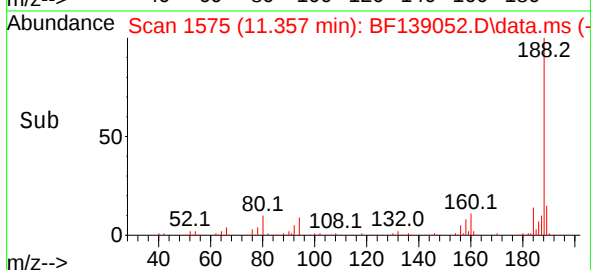
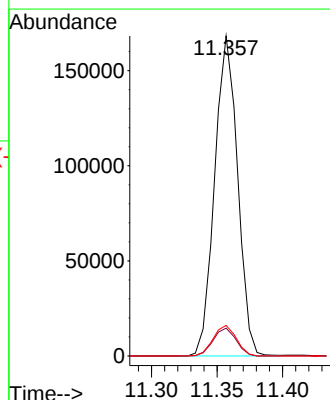
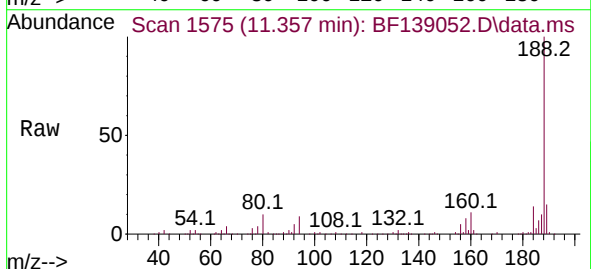
Tgt Ion: 188 Resp: 204539

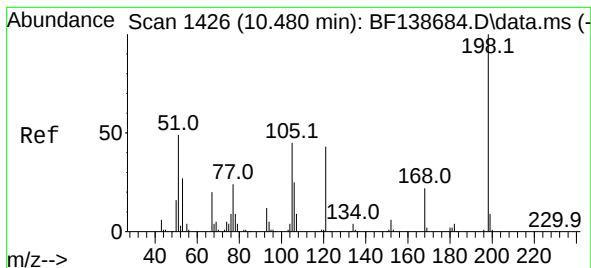
Ion Ratio Lower Upper

188 100

94 8.7 7.6 11.4

80 9.5 8.6 12.8

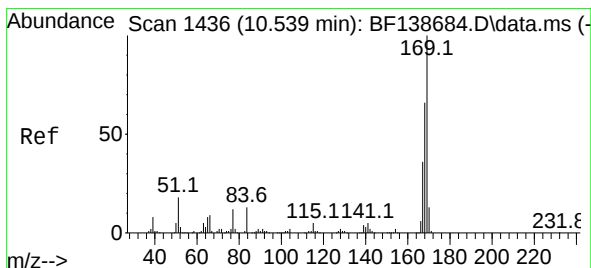
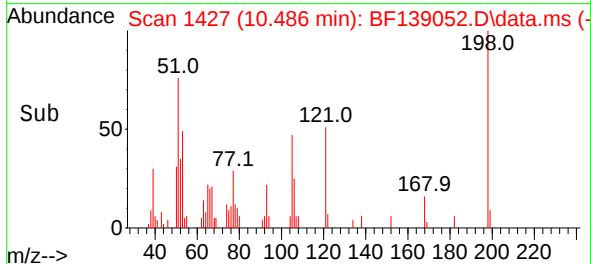
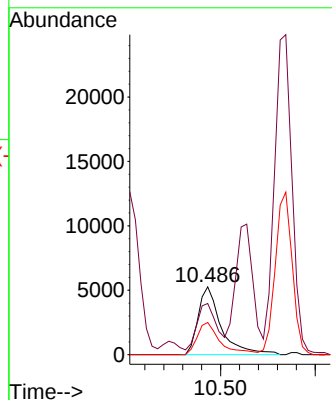
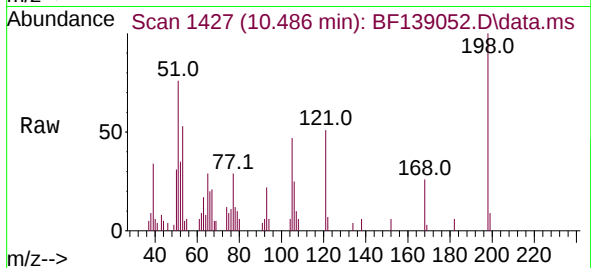




#65
4,6-Dinitro-2-methylphenol
Concen: 7.119 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

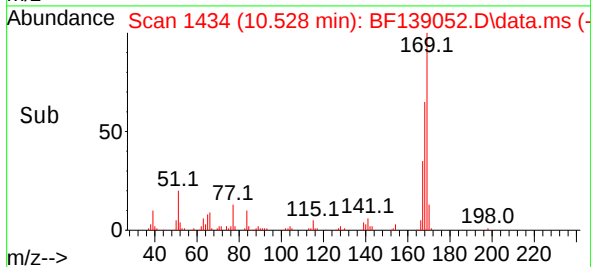
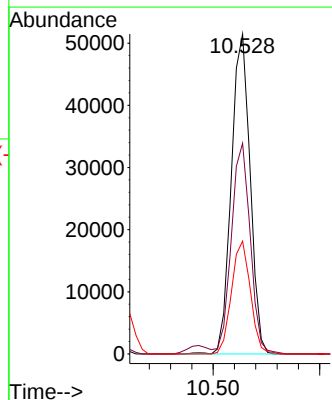
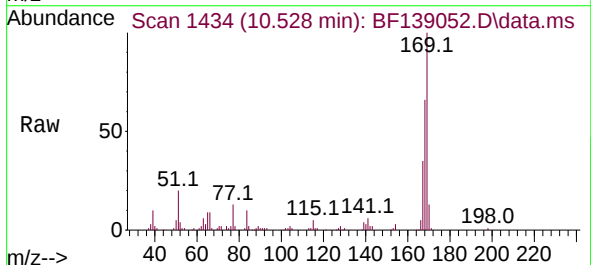
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

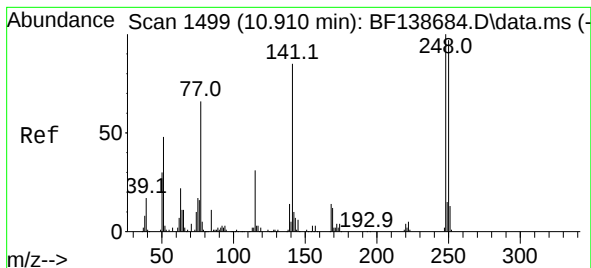
Tgt Ion:198 Resp: 8883
Ion Ratio Lower Upper
198 100
51 75.6 39.9 79.9
105 47.4 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 9.830 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:169 Resp: 62850
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.6
167 35.3 29.0 43.6

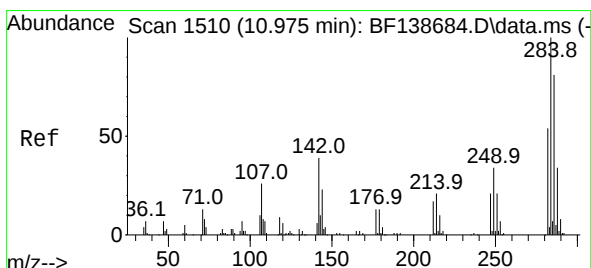
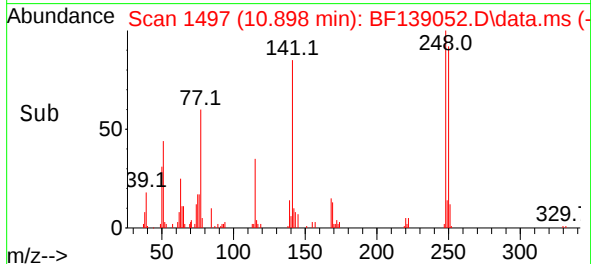
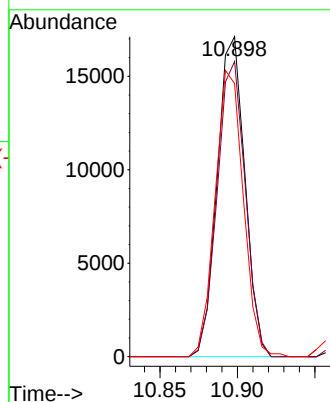
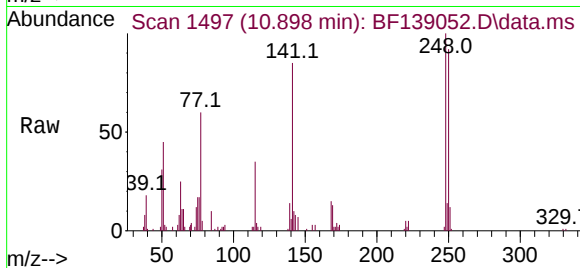




#67
4-Bromophenyl-phenylether
Concen: 9.592 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

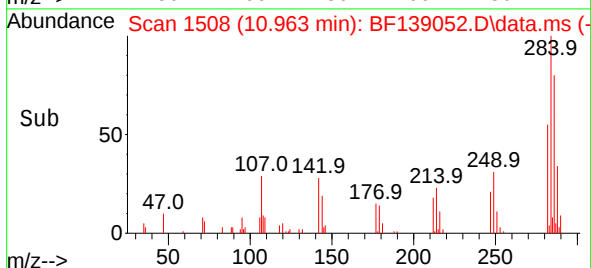
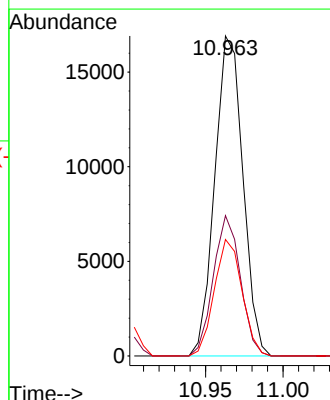
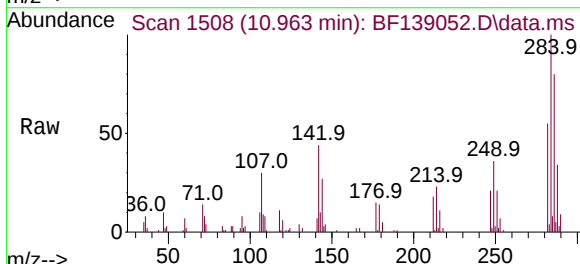
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

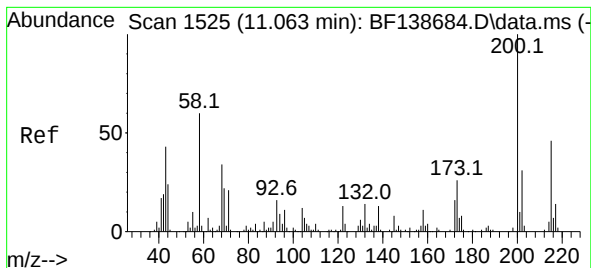
Tgt Ion:248	Resp:	21241
Ion Ratio	Lower	Upper
248	100	
250	92.2	77.7 116.5
141	85.3	68.0 102.0



#68
Hexachlorobenzene
Concen: 9.324 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:284	Resp:	21319
Ion Ratio	Lower	Upper
284	100	
142	43.9	31.3 46.9
249	36.4	27.2 40.8





#69

Atrazine

Concen: 12.269 ng

RT: 11.051 min Scan# 1523

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

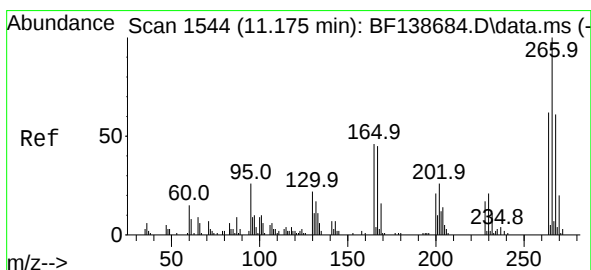
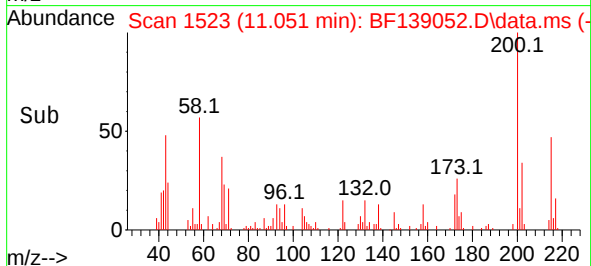
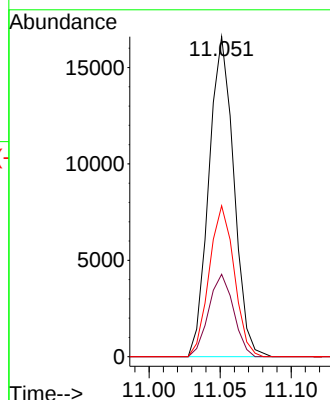
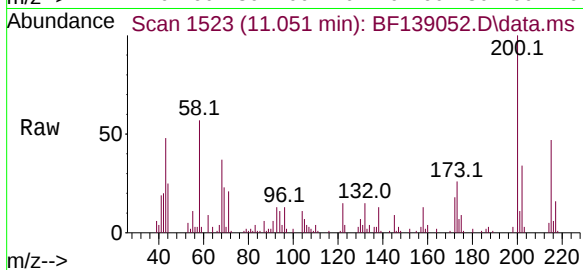
Tgt Ion:200 Resp: 20238

Ion Ratio Lower Upper

200 100

173 25.8 6.0 46.0

215 47.1 26.1 66.1



#70

Pentachlorophenol

Concen: 2.528 ng

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

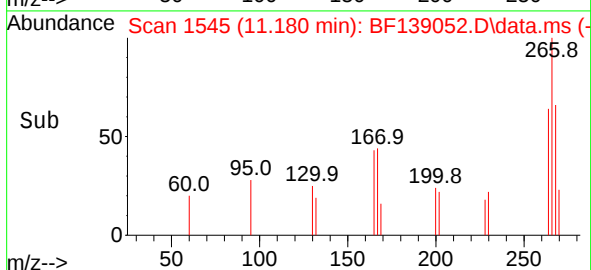
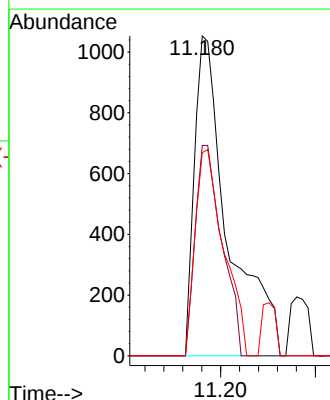
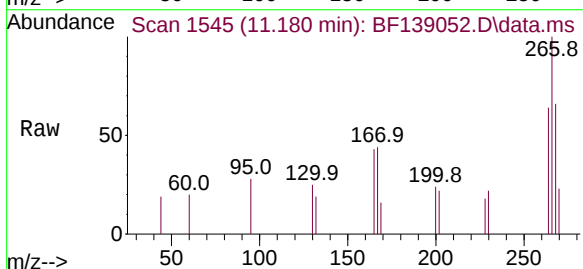
Tgt Ion:266 Resp: 2605

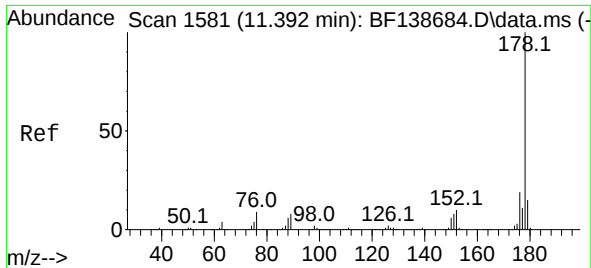
Ion Ratio Lower Upper

266 100

268 65.8 49.2 73.8

264 63.5 49.8 74.6

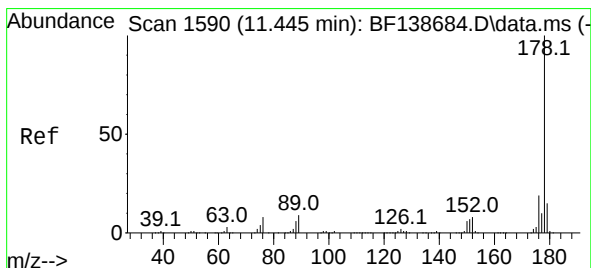
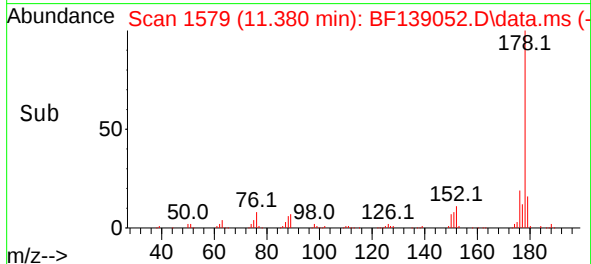
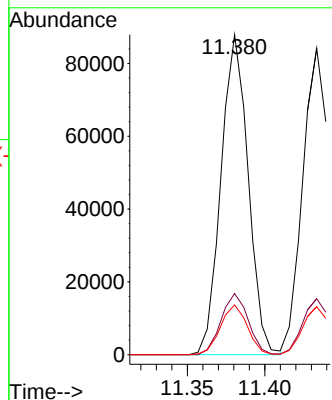
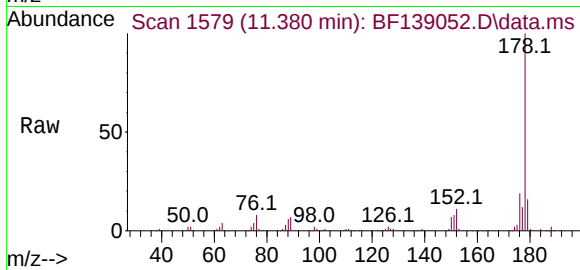




#71
Phenanthrene
Concen: 10.164 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

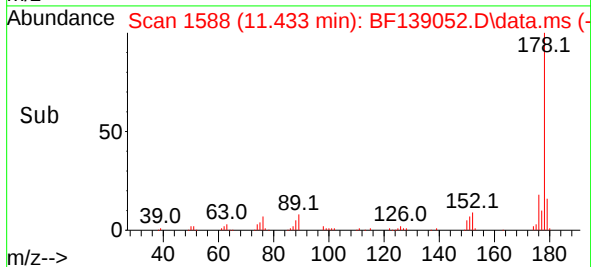
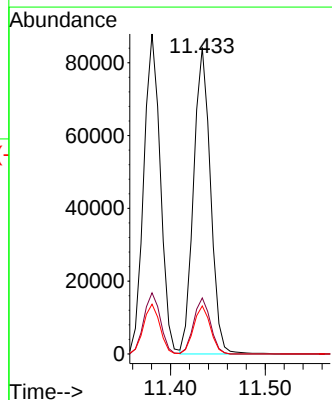
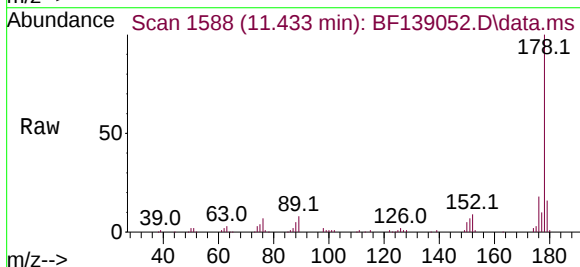
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

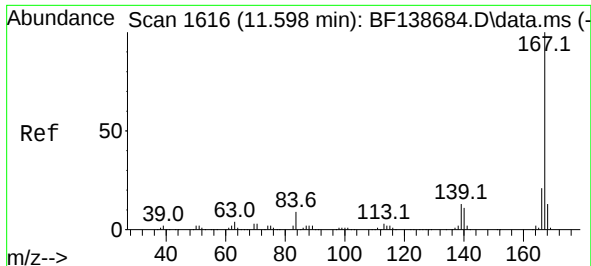
Tgt Ion:178 Resp: 107052
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.6 12.2 18.2



#72
Anthracene
Concen: 10.086 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:178 Resp: 104648
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.6 12.4 18.6

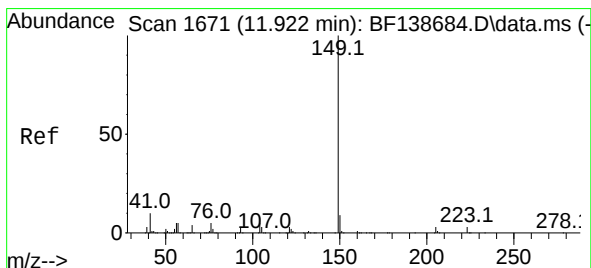
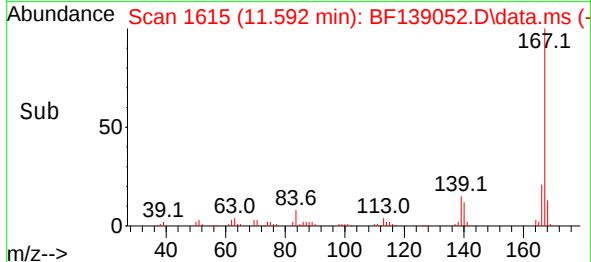
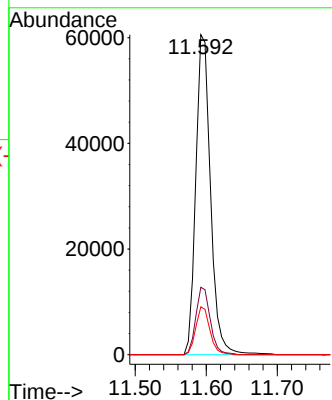
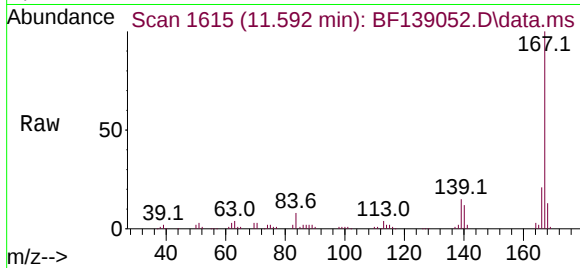




#73
 Carbazole
 Concen: 9.783 ng
 RT: 11.592 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF139052.D
 Acq: 16 Aug 2024 11:43

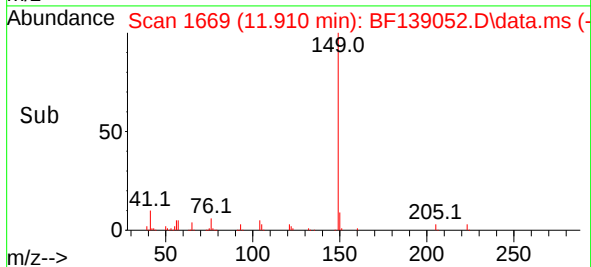
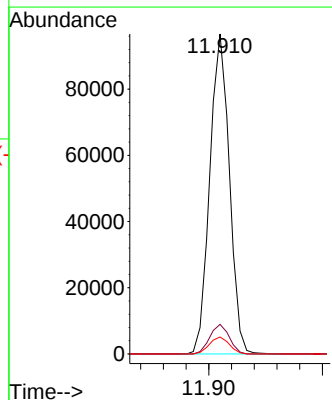
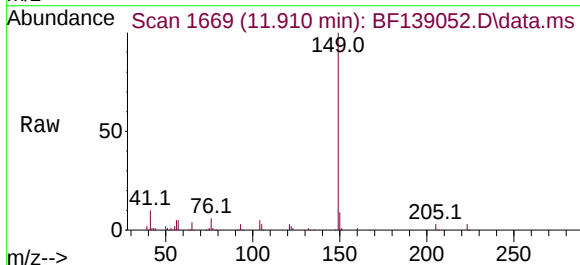
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

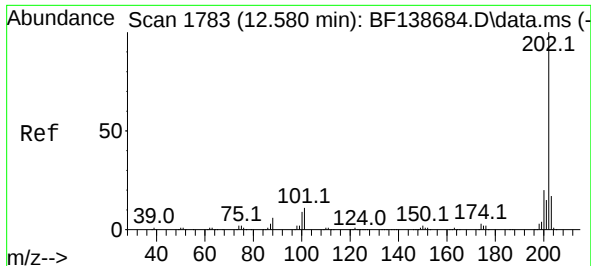
Tgt Ion:167 Resp: 87576
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 14.9 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 11.503 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.012 min
 Lab File: BF139052.D
 Acq: 16 Aug 2024 11:43

Tgt Ion:149 Resp: 115751
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 10.326 ng

RT: 12.569 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

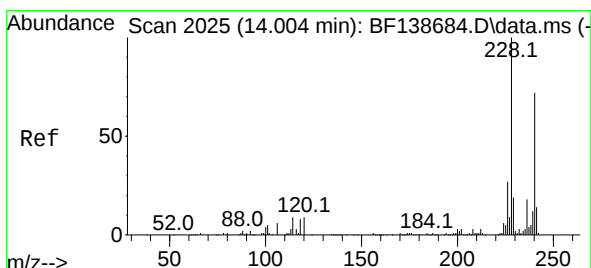
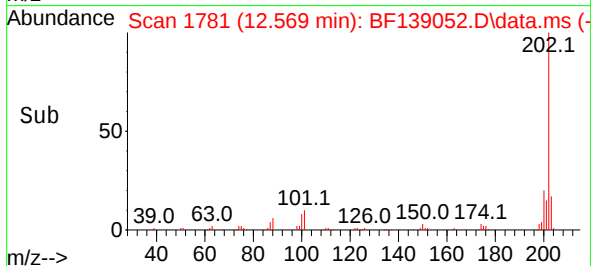
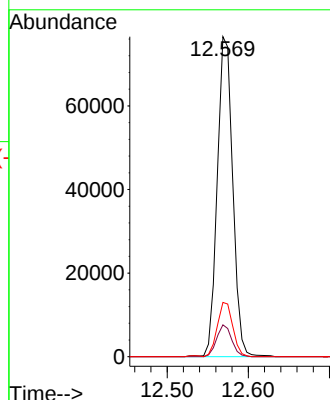
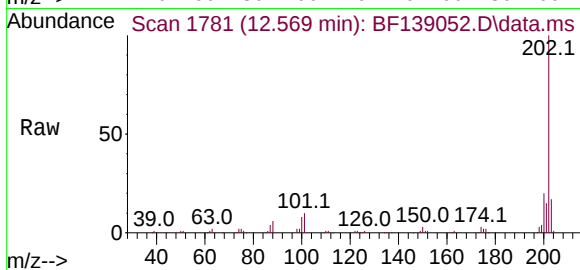
Tgt Ion:202 Resp: 101525

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.2

203 16.9 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

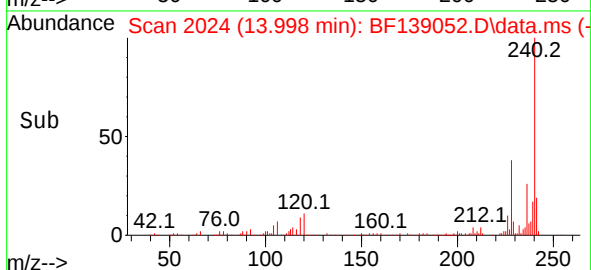
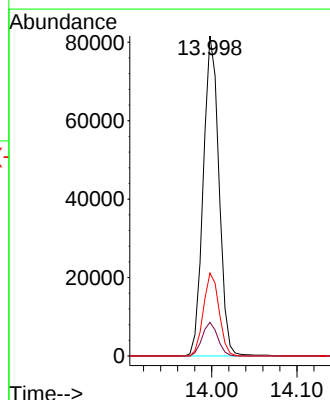
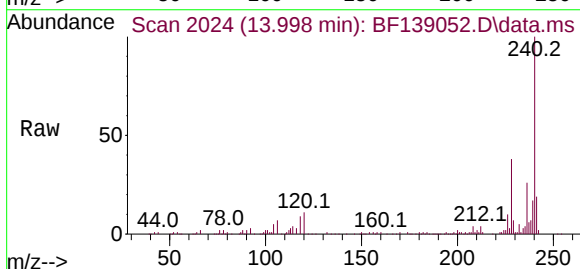
Tgt Ion:240 Resp: 104341

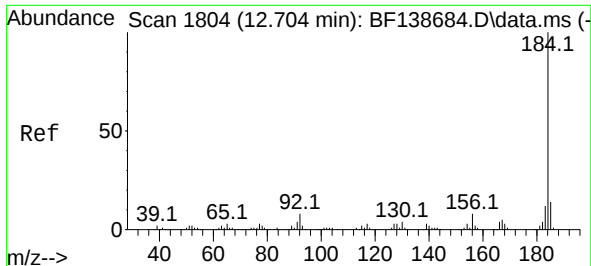
Ion Ratio Lower Upper

240 100

120 10.5 10.2 15.4

236 25.9 19.8 29.8

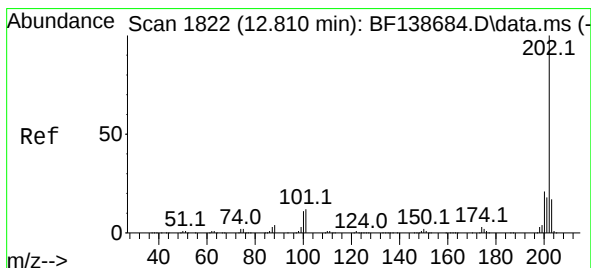
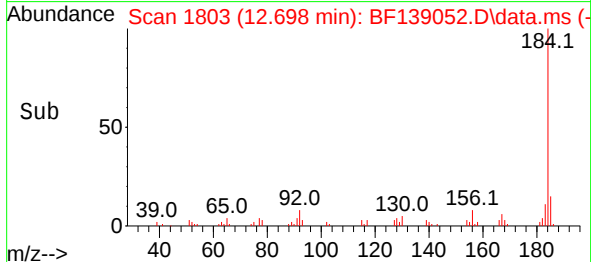
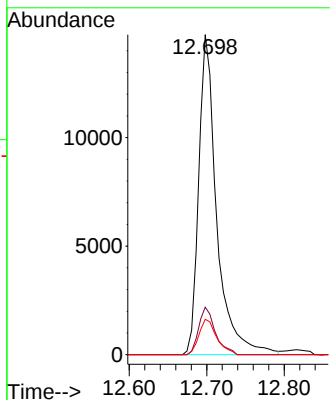
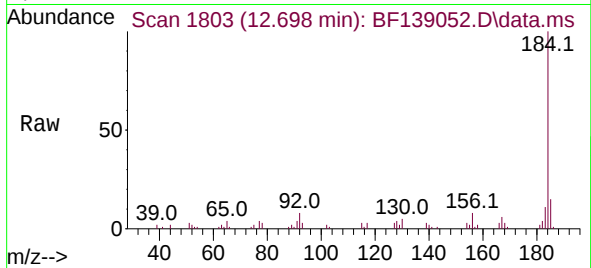




#77
Benzidine
Concen: 9.549 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

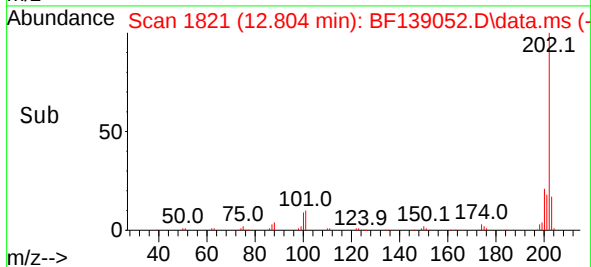
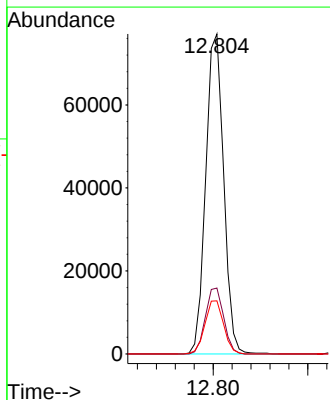
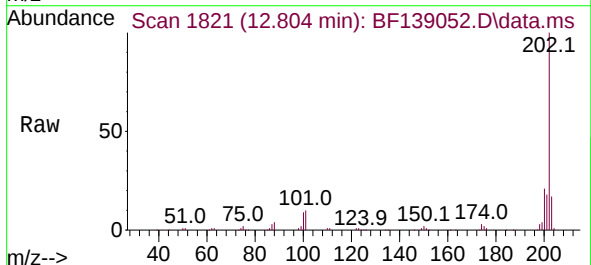
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

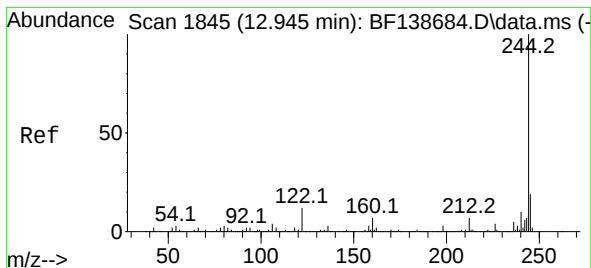
Tgt Ion:184 Resp: 23830
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 11.1 9.6 14.4



#78
Pyrene
Concen: 10.328 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

Tgt Ion:202 Resp: 101463
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 16.6 13.8 20.6





#79

Terphenyl-d14

Concen: 96.827 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

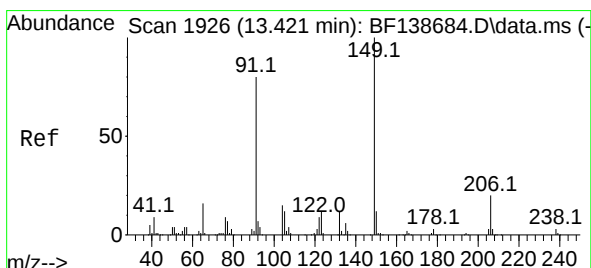
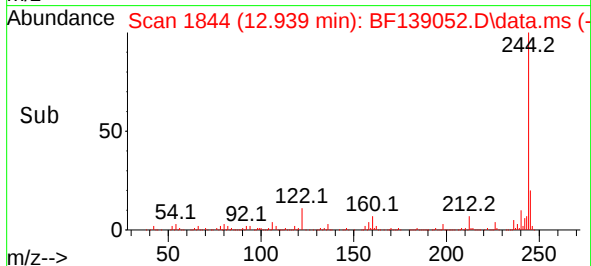
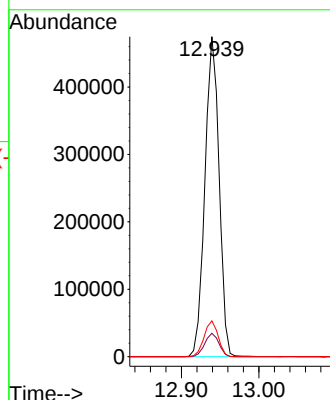
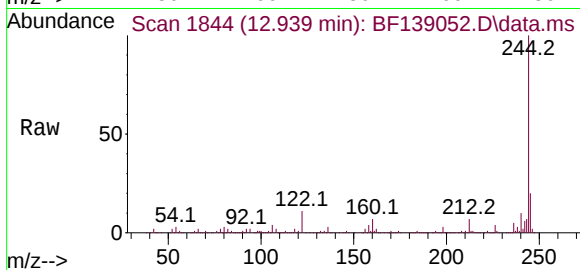
Tgt Ion:244 Resp: 603427

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 11.2 9.6 14.4



#80

Butylbenzylphthalate

Concen: 11.110 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

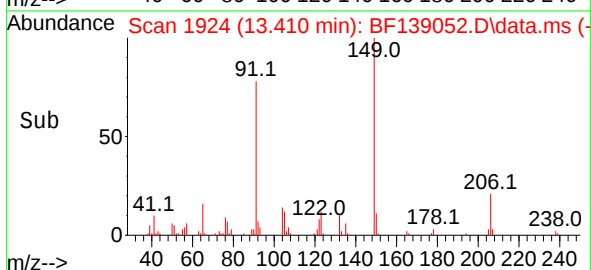
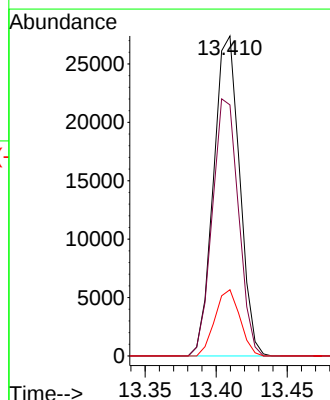
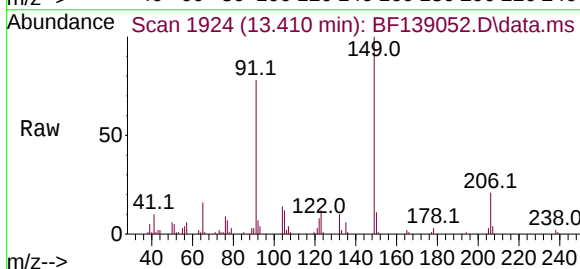
Tgt Ion:149 Resp: 34951

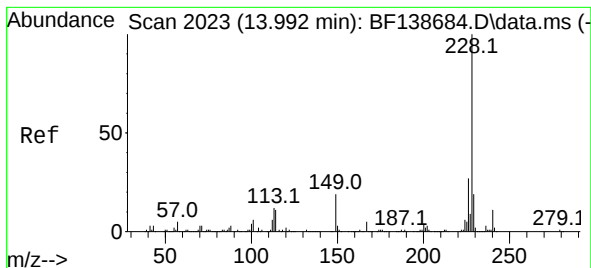
Ion Ratio Lower Upper

149 100

91 78.5 63.7 95.5

206 20.7 16.2 24.2





#81

Benzo(a)anthracene

Concen: 9.989 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

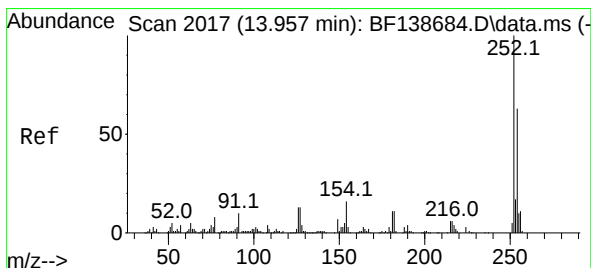
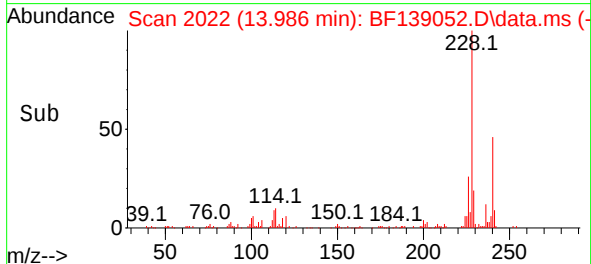
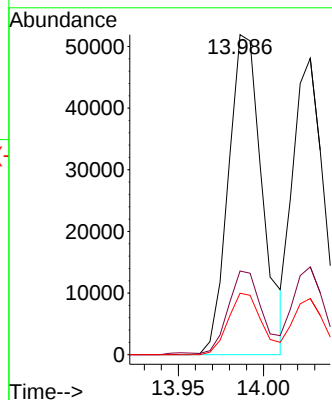
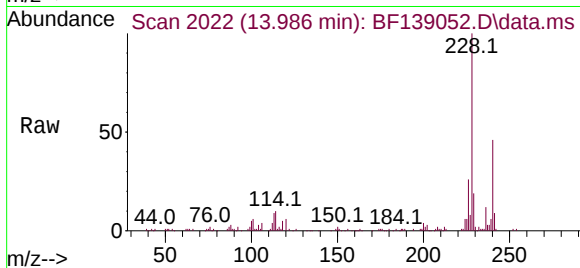
Tgt Ion:228 Resp: 71772

Ion Ratio Lower Upper

228 100

226 26.1 22.1 33.1

229 19.2 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 10.963 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

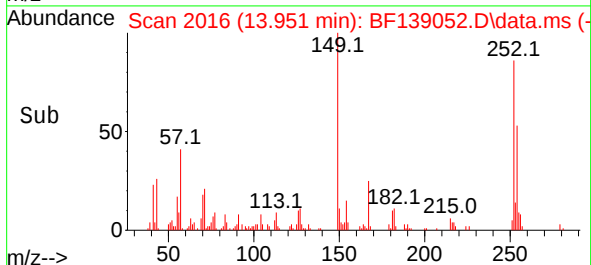
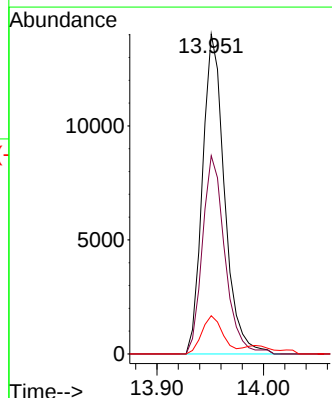
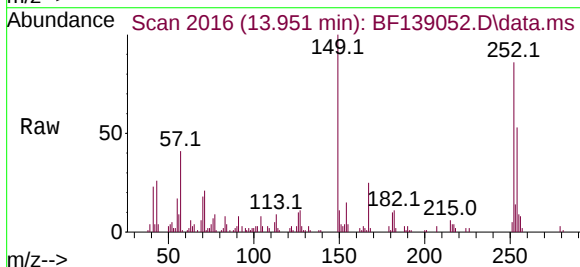
Tgt Ion:252 Resp: 20157

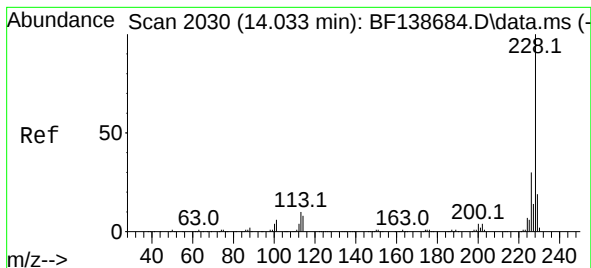
Ion Ratio Lower Upper

252 100

254 61.9 50.8 76.2

126 11.9 10.2 15.2





#83

Chrysene

Concen: 9.398 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

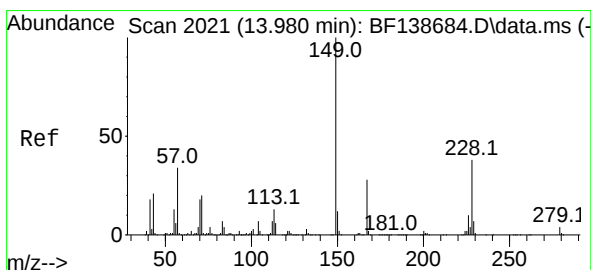
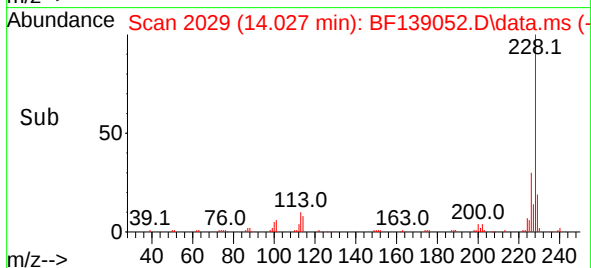
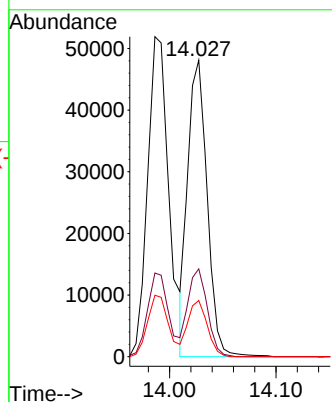
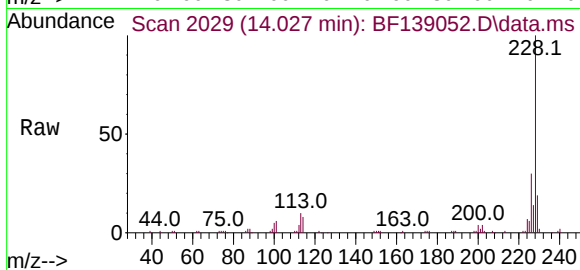
Tgt Ion:228 Resp: 60920

Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 19.0 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.591 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

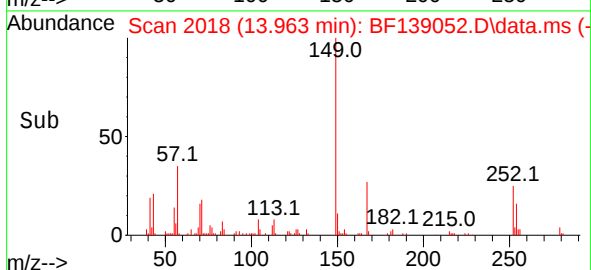
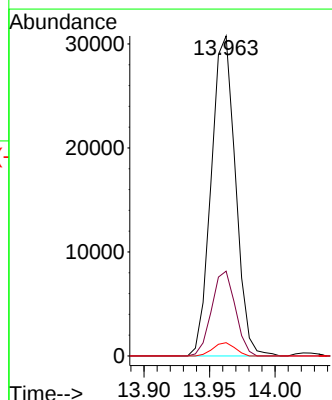
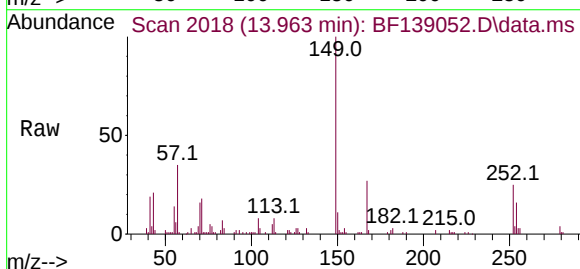
Tgt Ion:149 Resp: 39574

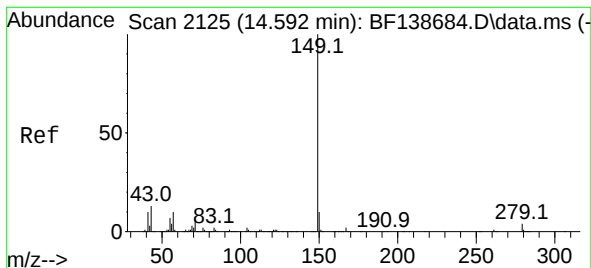
Ion Ratio Lower Upper

149 100

167 26.5 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 6.673 ng

RT: 14.569 min Scan# 2125

Delta R.T. -0.023 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

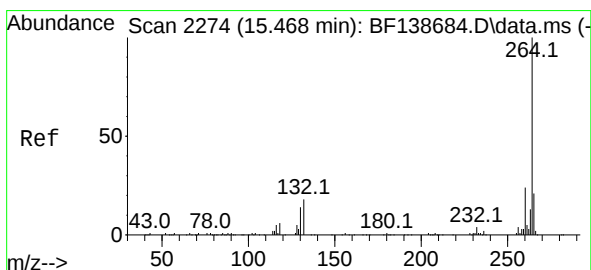
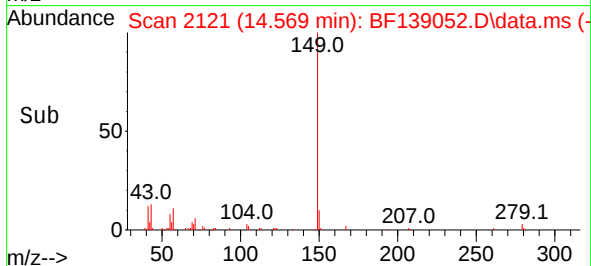
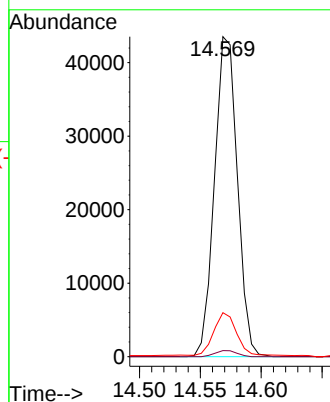
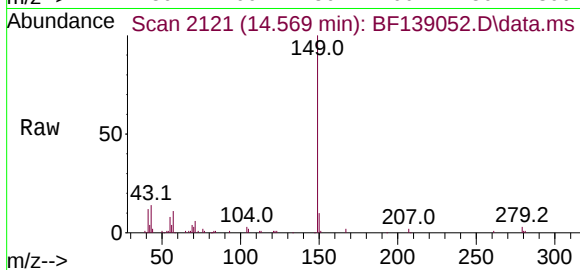
Tgt Ion:149 Resp: 56878

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 15.5 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

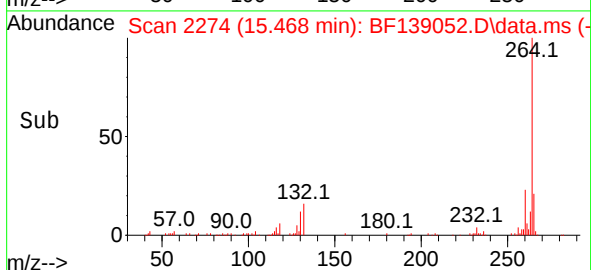
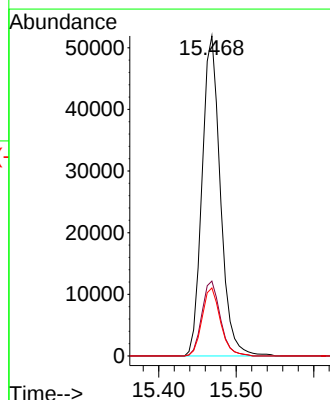
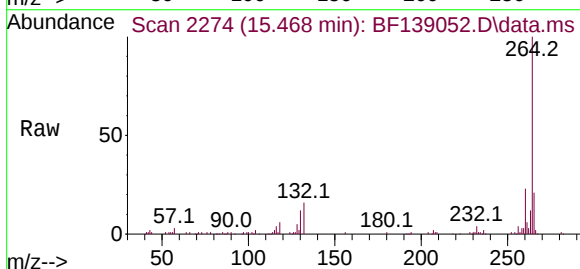
Tgt Ion:264 Resp: 85208

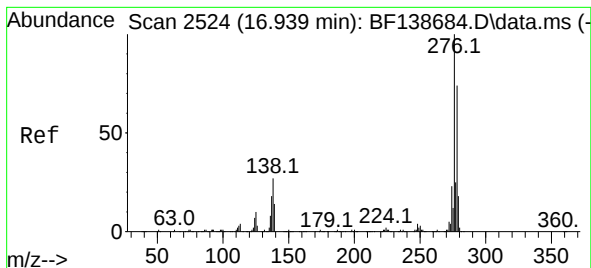
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.836 ng

RT: 16.945 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

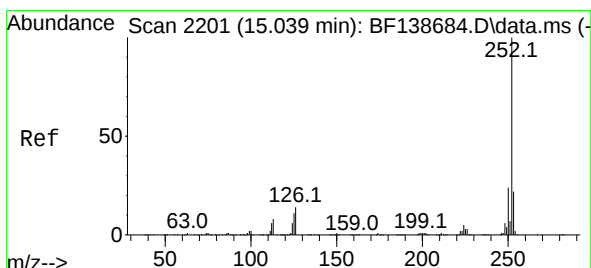
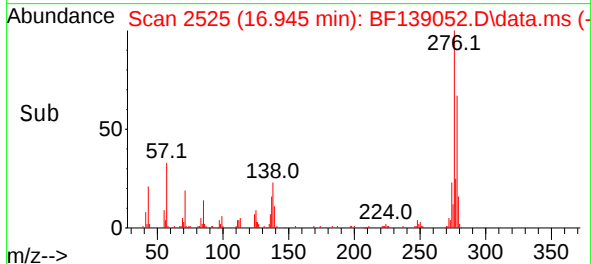
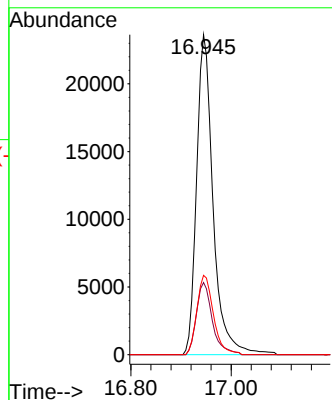
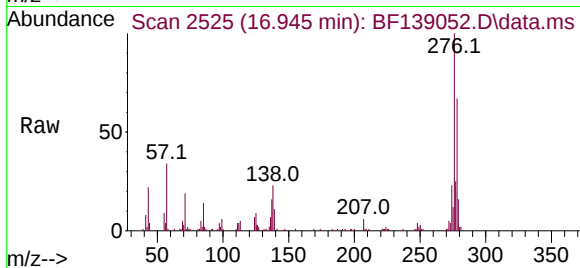
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:276	Resp:	53954
Ion Ratio	Lower	Upper
276	100	
138	21.8	21.8 32.8#
277	24.9	20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 9.719 ng

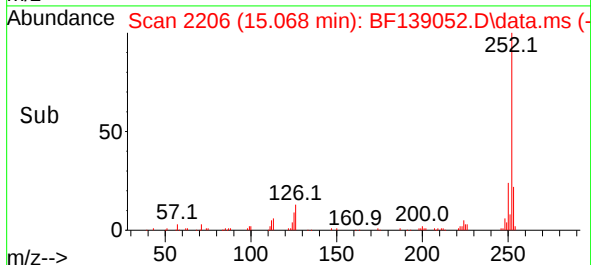
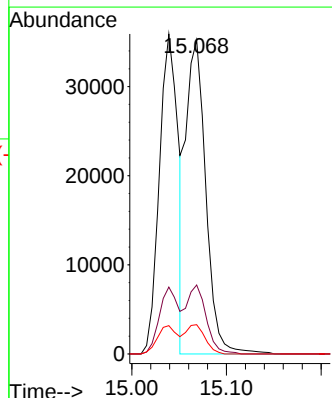
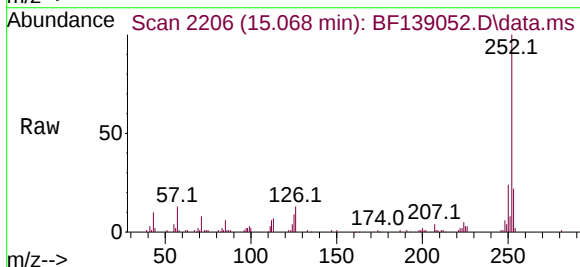
RT: 15.068 min Scan# 2206

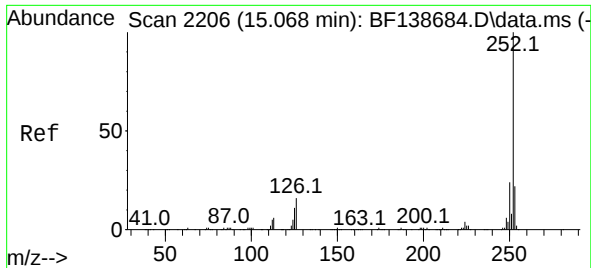
Delta R.T. 0.029 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Tgt Ion:252	Resp:	51335
Ion Ratio	Lower	Upper
252	100	
253	22.0	17.5 26.3
125	9.3	8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 11.225 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

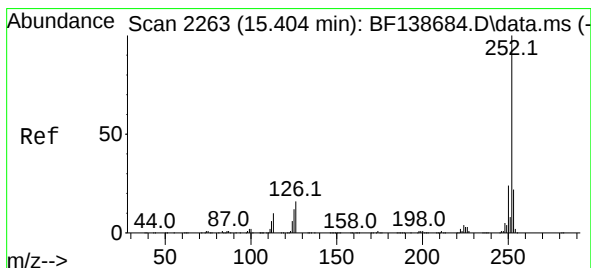
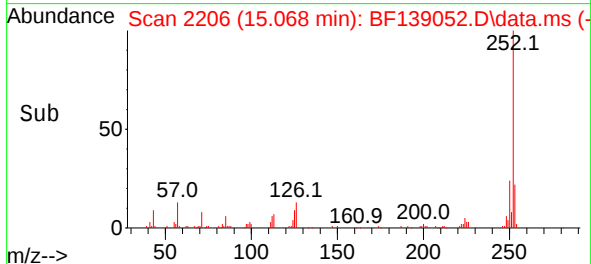
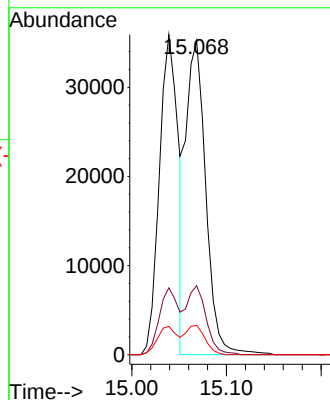
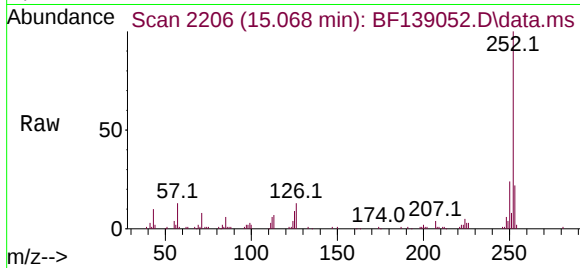
Tgt Ion:252 Resp: 51335

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 9.3 8.6 13.0



#90

Benzo(a)pyrene

Concen: 10.344 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

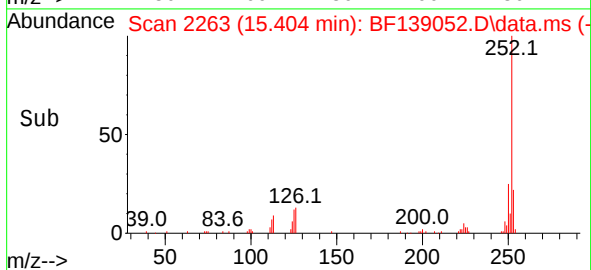
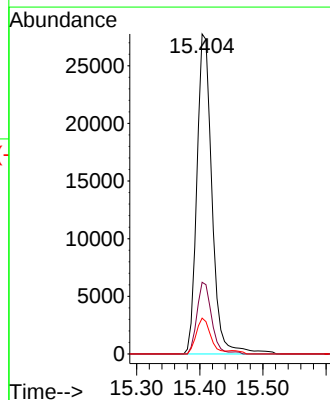
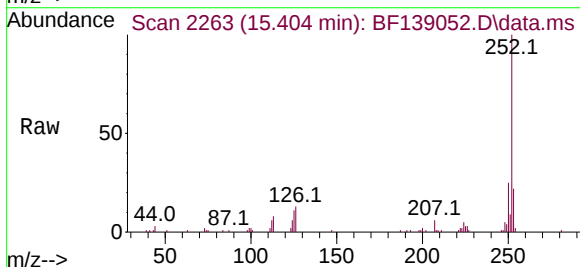
Tgt Ion:252 Resp: 45959

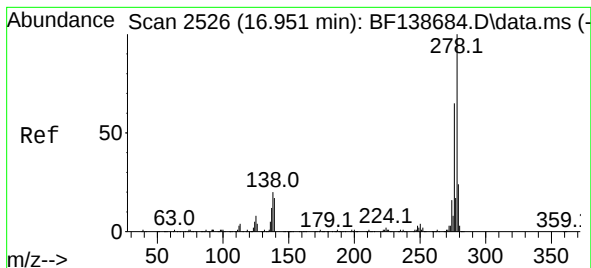
Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 11.2 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 8.615 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

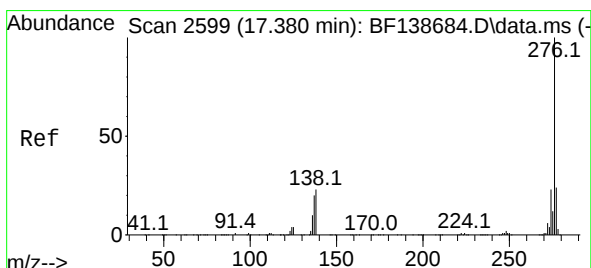
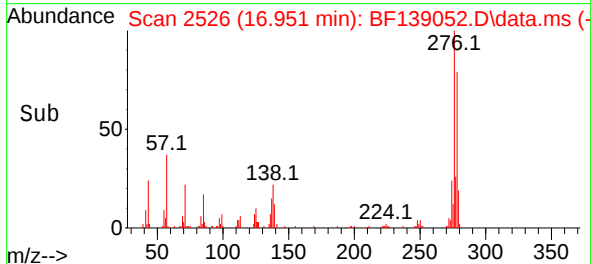
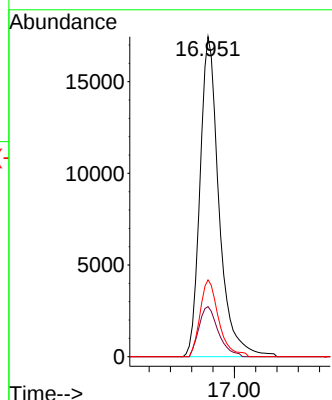
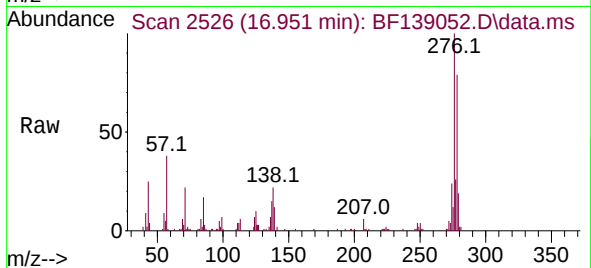
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:	278	Resp:	43183
Ion Ratio	Lower	Upper	
278	100		
139	15.6	14.0	21.0
279	24.0	19.0	28.4



#92

Benzo(g,h,i)perylene

Concen: 8.030 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Tgt Ion:	276	Resp:	41768
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.0	28.4
138	20.3	18.5	27.7

