

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	26637m	8.180	ng	
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	7749m	4.596	ng	
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

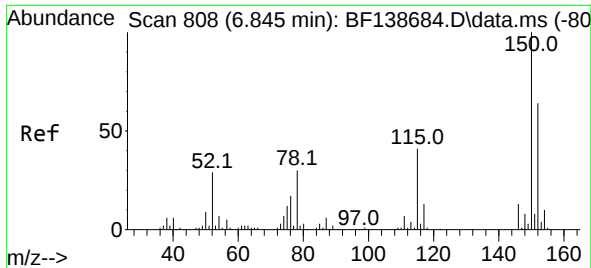
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
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 QLast Update : Tue Jul 30 17:50:01 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	17179	8.178	ng	96
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	2978m	3.952	ng	
55) Dibenzofuran	10.075	168	94627	10.640	ng	98
56) 4-Nitrophenol	10.057	139	3693m	3.629	ng	
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	15732m	9.796	ng	
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	14068m	8.747	ng	
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	2855m	2.770	ng	
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	15.039	252	49529m	9.377	ng	
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

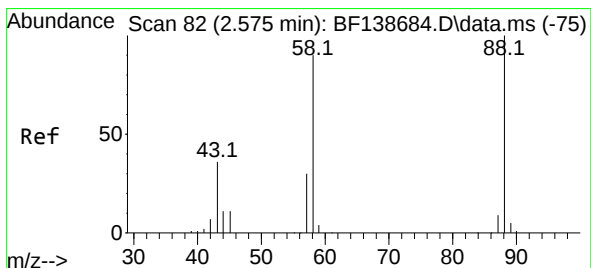
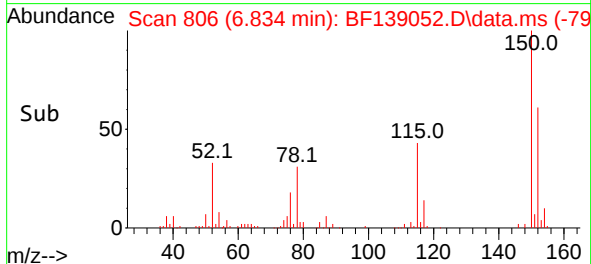
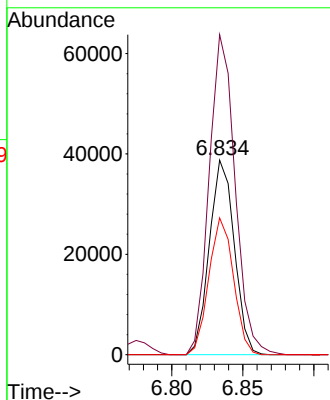
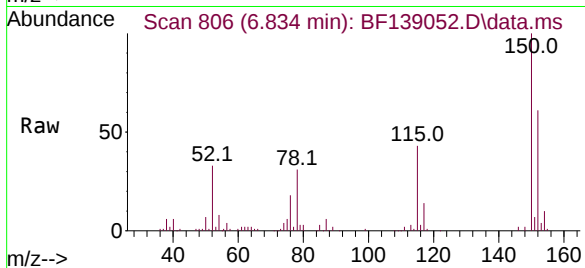
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

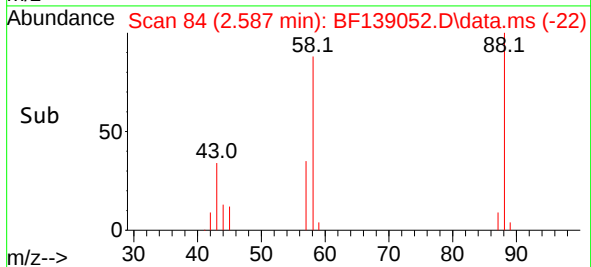
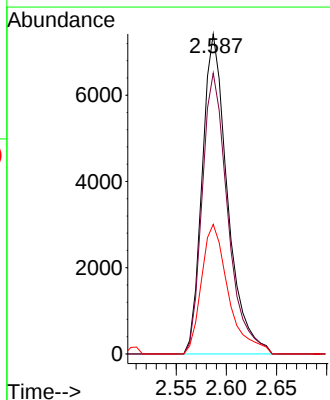
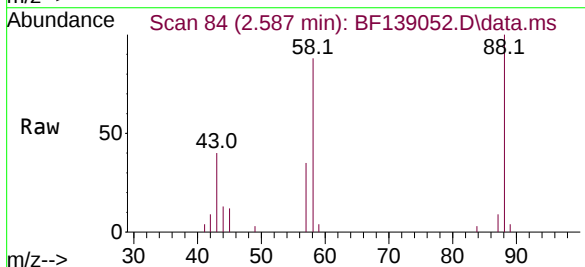
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

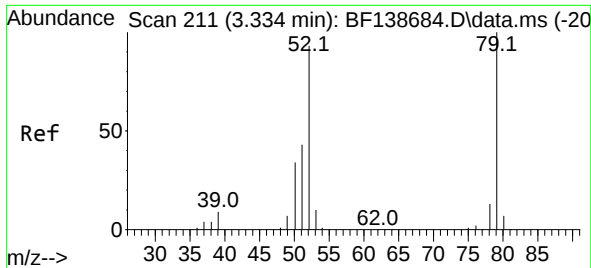
Tgt Ion:152 Resp: 47397
 Ion Ratio Lower Upper
 152 100
 150 164.5 126.0 189.0
 115 70.3 51.7 77.5



#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: 8.180 ng m

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

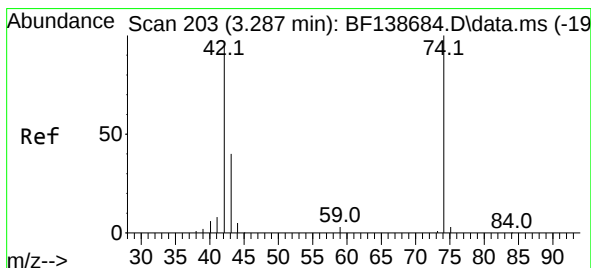
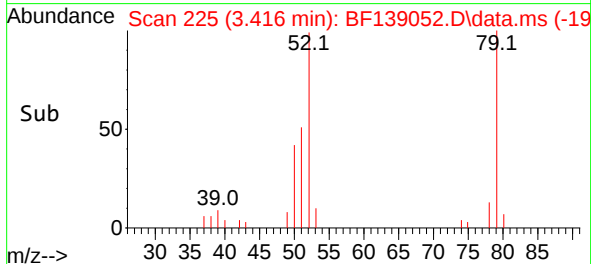
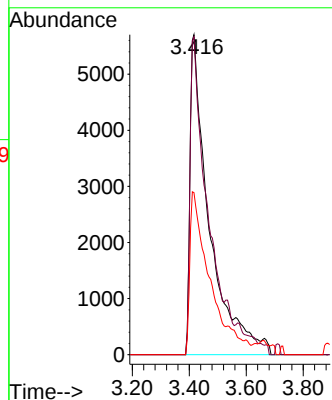
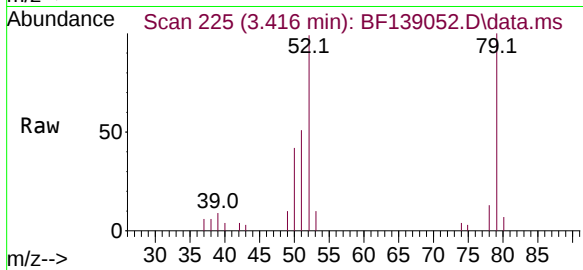
Tgt Ion: 79 Resp: 26637

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

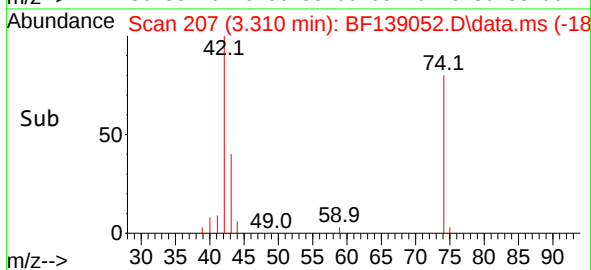
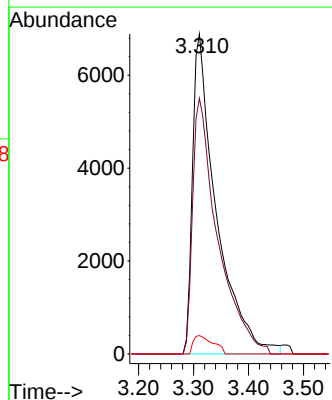
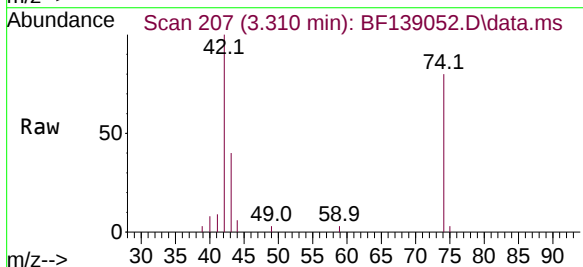
Tgt Ion: 42 Resp: 20673

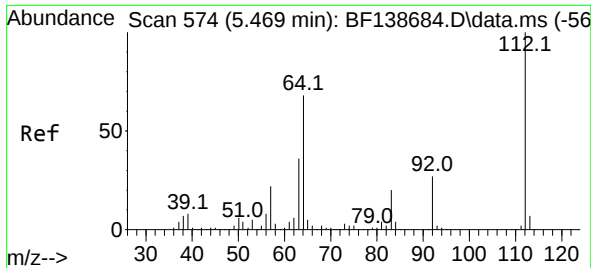
Ion Ratio Lower Upper

42 100

74 79.9 84.2 126.4#

44 5.7 4.9 7.3

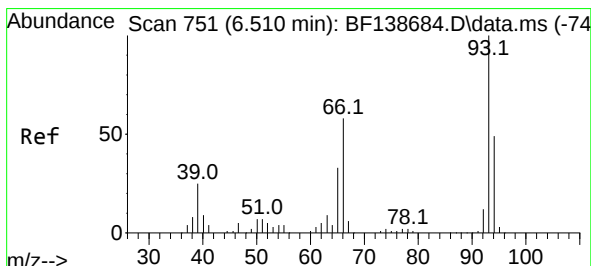
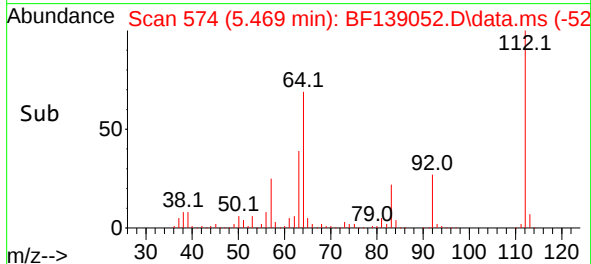
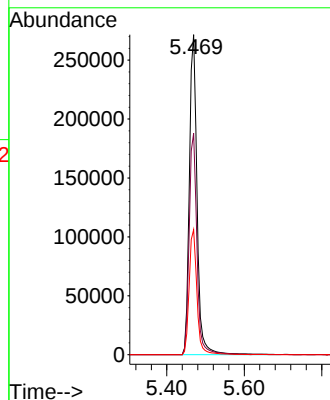
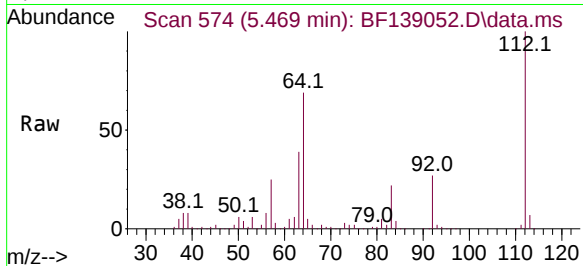




#5
2-Fluorophenol
Concen: 122.351 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

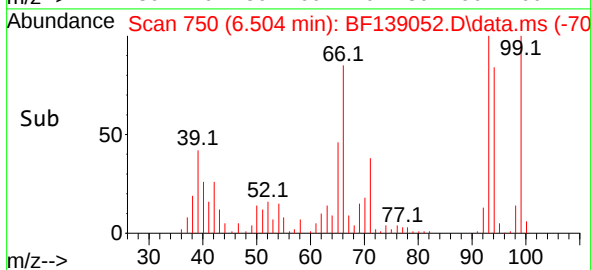
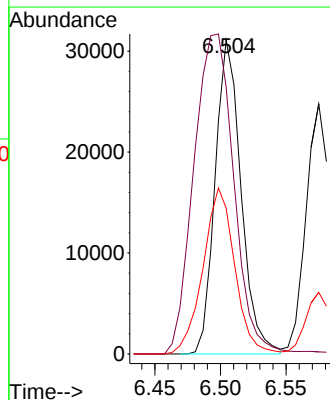
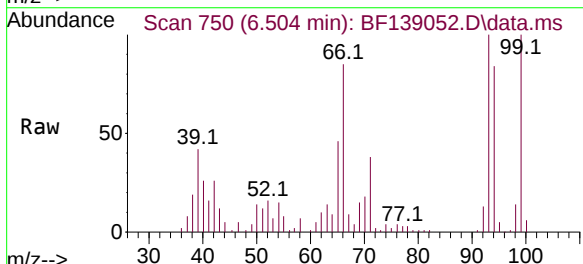
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

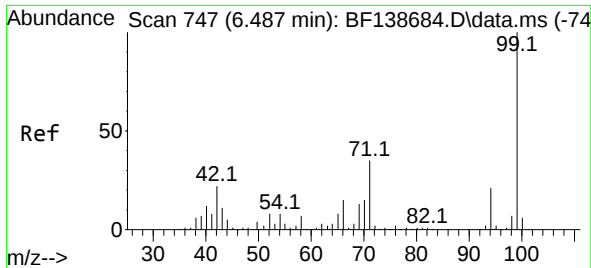
Tgt Ion:112 Resp: 375671
Ion Ratio Lower Upper
112 100
64 69.2 54.2 81.4
63 39.0 28.7 43.1



#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#

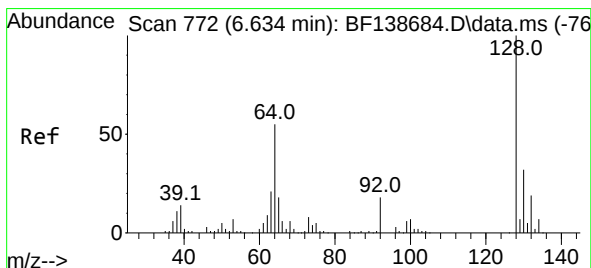
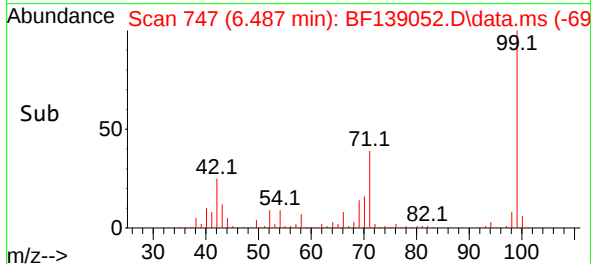
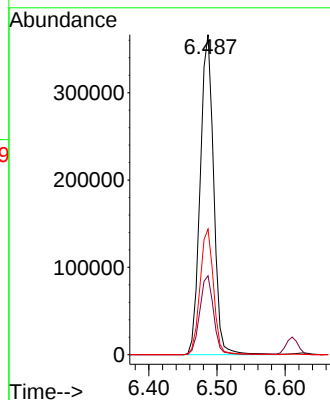
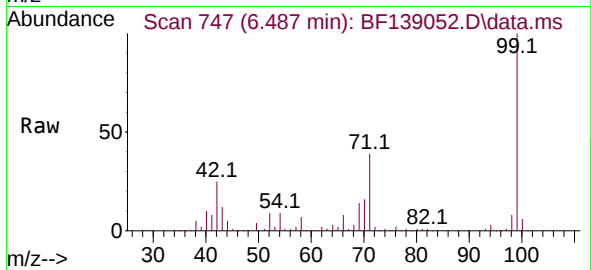




#7
Phenol-d6
Concen: 122.106 ng
RT: 6.487 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

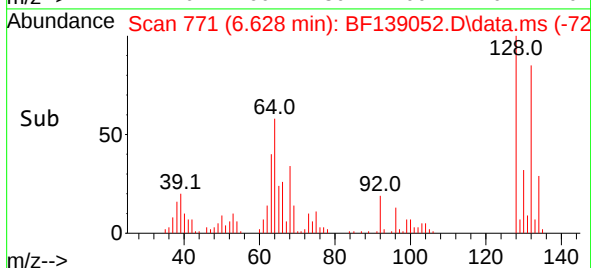
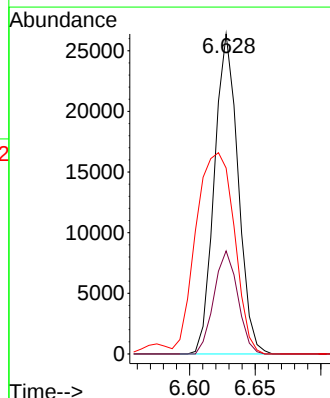
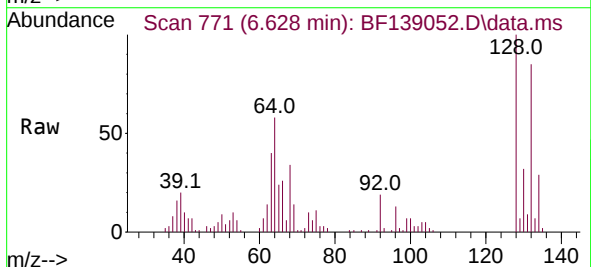
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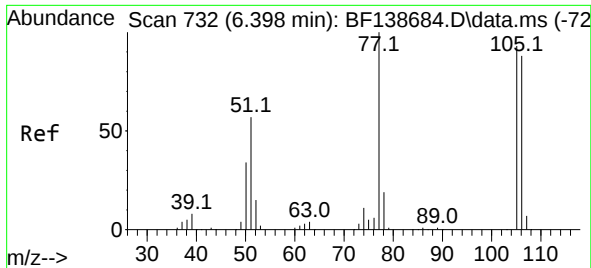
Tgt Ion: 99 Resp: 503370
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 39.2 28.1 42.1



#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# 71

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

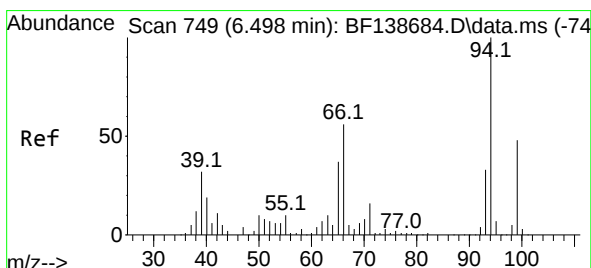
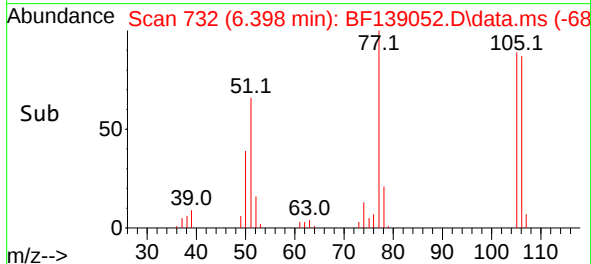
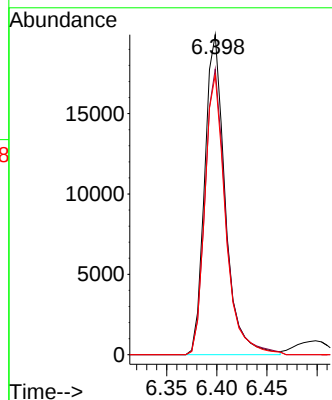
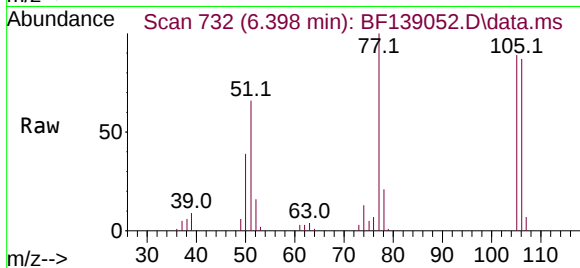
Tgt Ion: 77 Resp: 28360

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

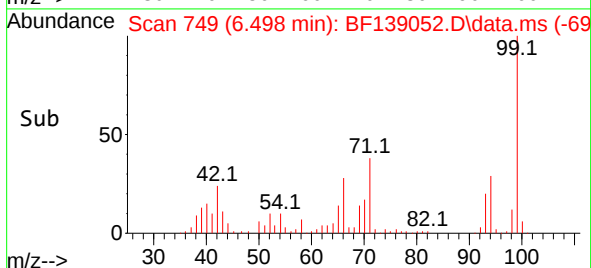
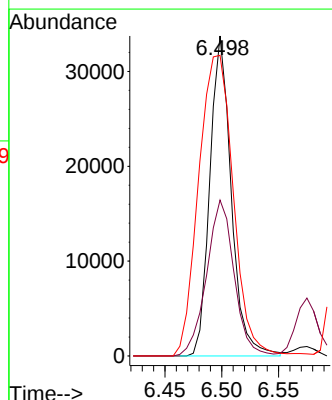
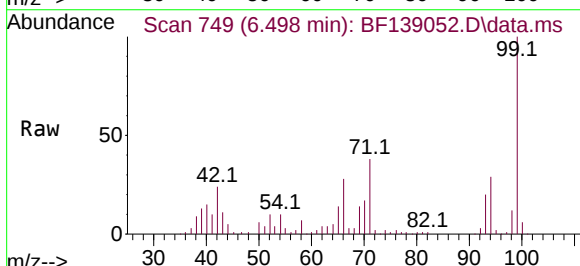
Tgt Ion: 94 Resp: 44248

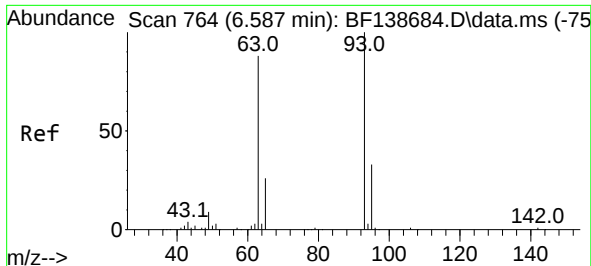
Ion Ratio Lower Upper

94 100

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66 94.0 36.5 76.5#

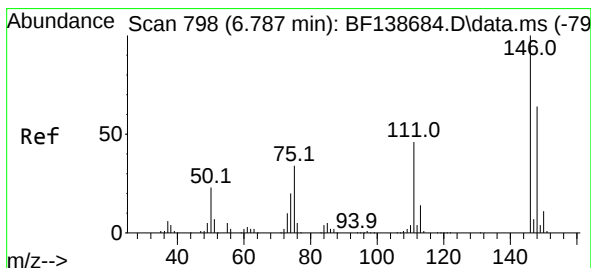
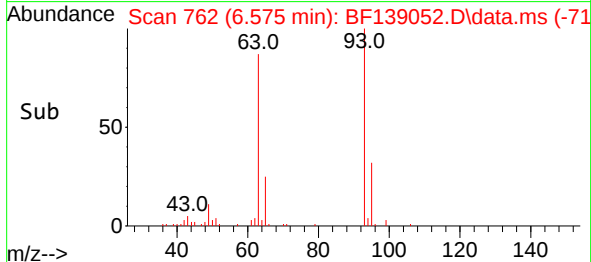
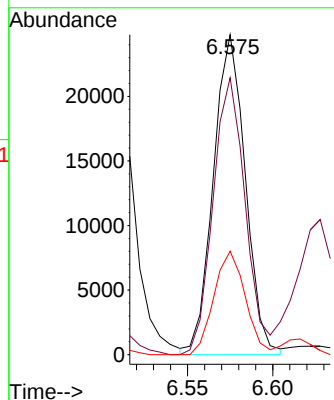
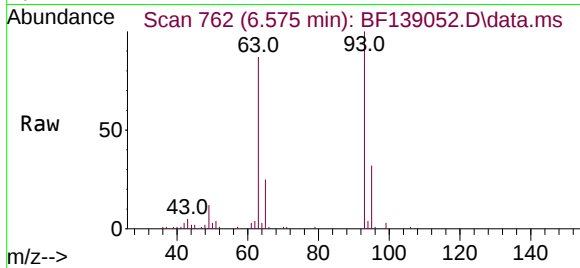




#11
bis(2-Chloroethyl)ether
Concen: 9.697 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

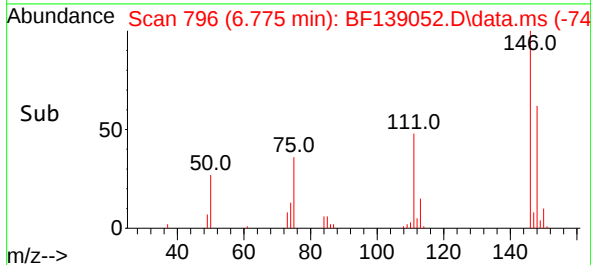
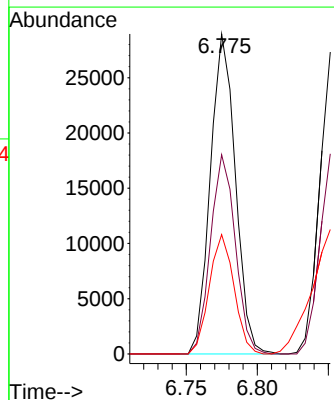
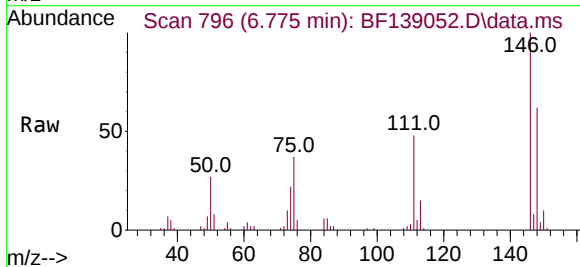
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

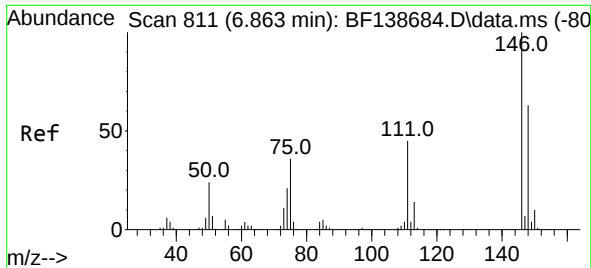
Tgt Ion:	93	Resp:	32388
Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.3	105.3
95	32.4	12.4	52.4



#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

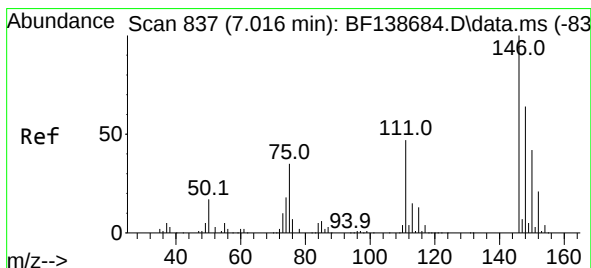
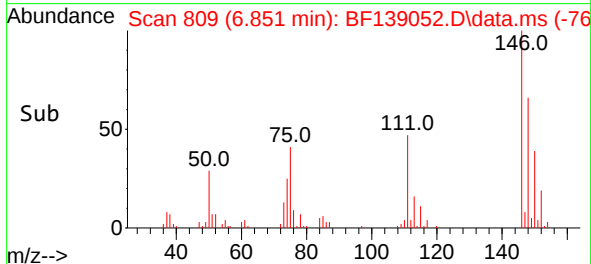
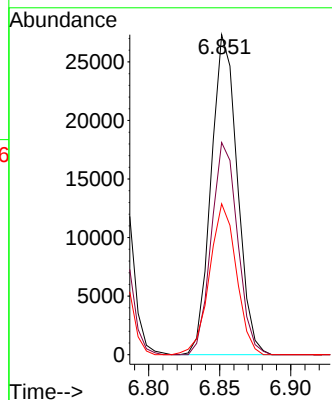
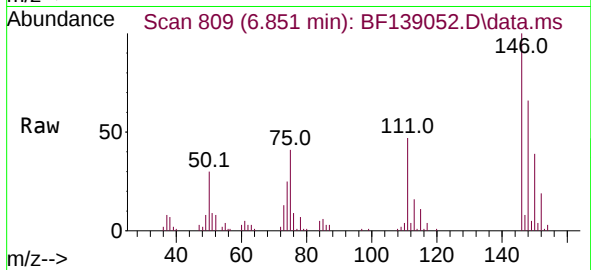




#13
1,4-Dichlorobenzene
Concen: 9.591 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

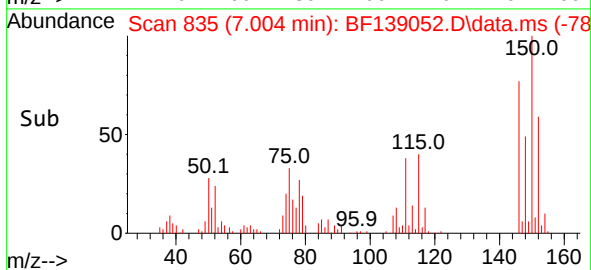
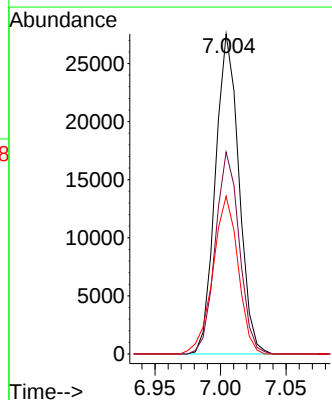
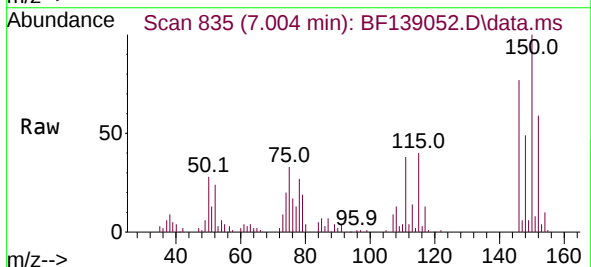
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

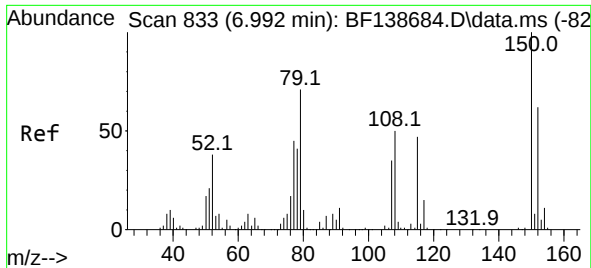
Tgt Ion:146 Resp: 34999
Ion Ratio Lower Upper
146 100
148 66.3 50.2 75.2
111 47.1 35.9 53.9



#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

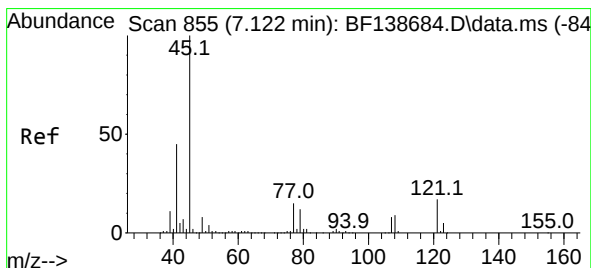
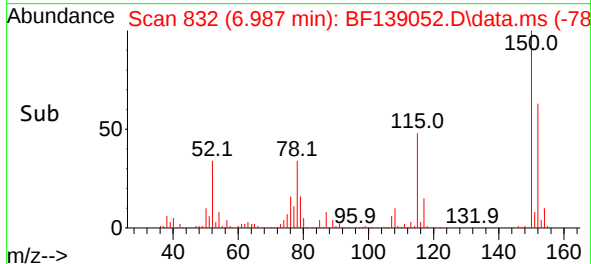
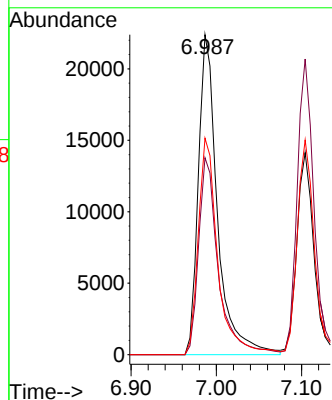
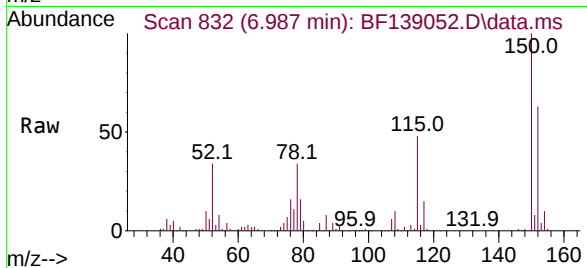




#15
Benzyl Alcohol
Concen: 11.777 ng
RT: 6.987 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

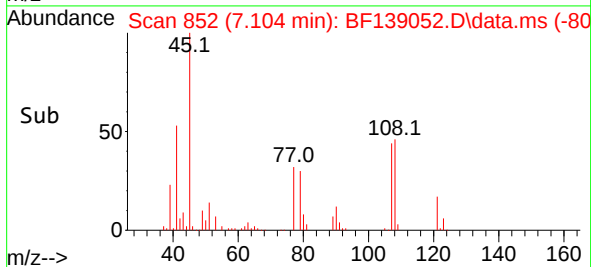
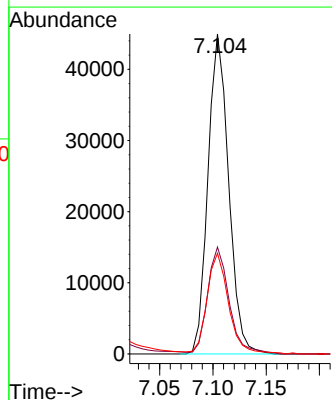
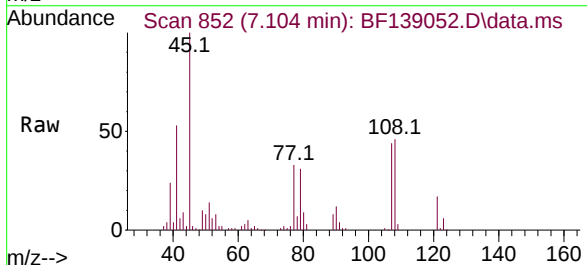
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

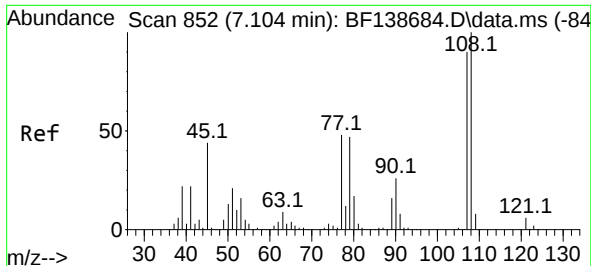
Tgt Ion: 79 Resp: 34993
Ion Ratio Lower Upper
79 100
108 61.6 56.6 85.0
77 67.6 50.3 75.5



#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

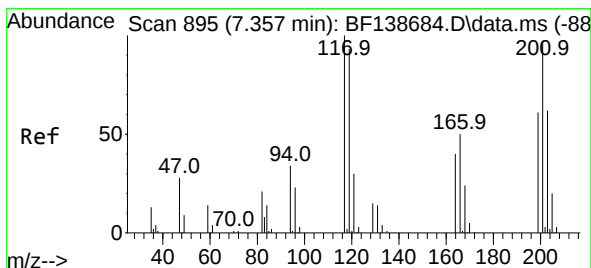
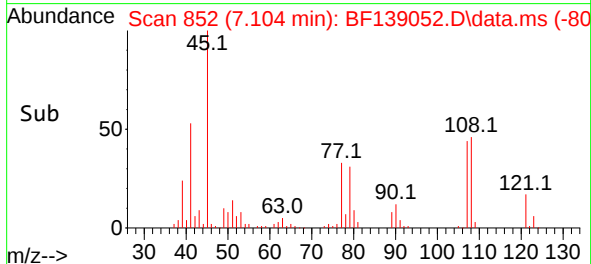
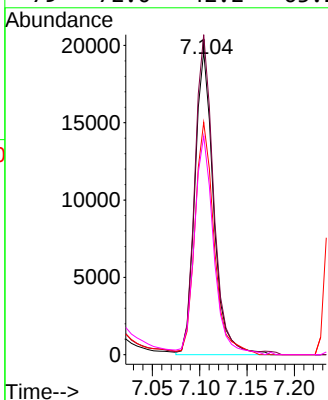
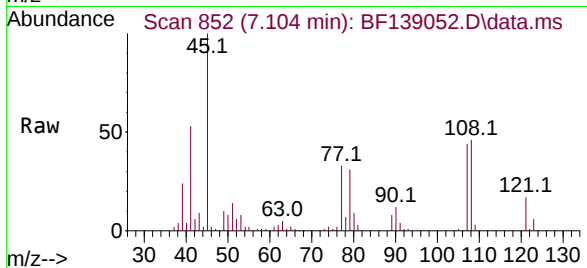




#17
2-Methylphenol
Concen: 10.104 ng
RT: 7.104 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

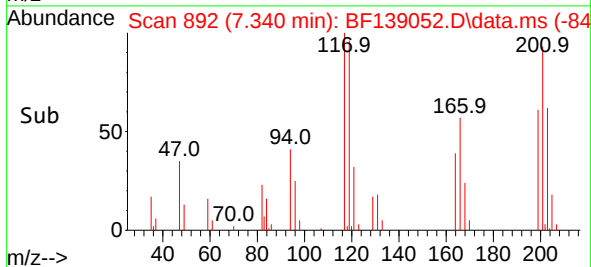
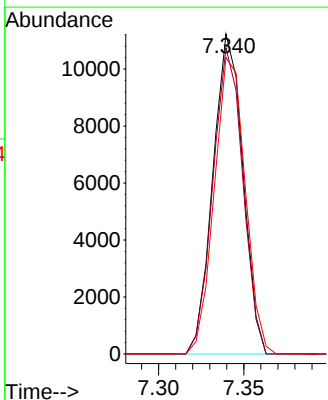
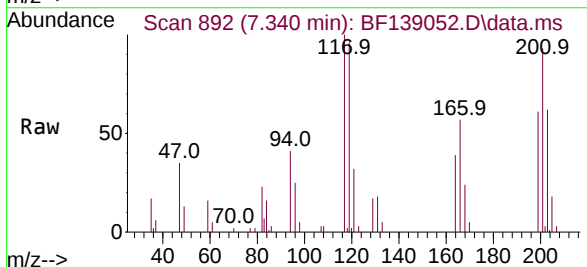
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

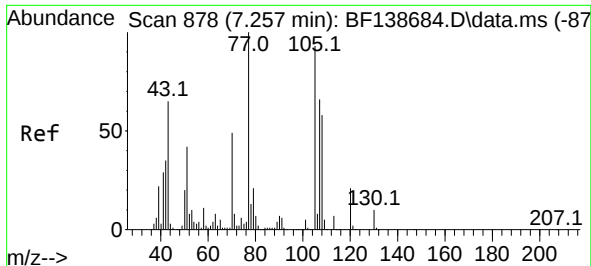
Tgt Ion:	107	Resp:	26953
Ion	Ratio	Lower	Upper
107	100		
108	105.4	89.2	133.8
77	76.6	43.0	64.4#
79	72.0	42.2	63.2#



#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

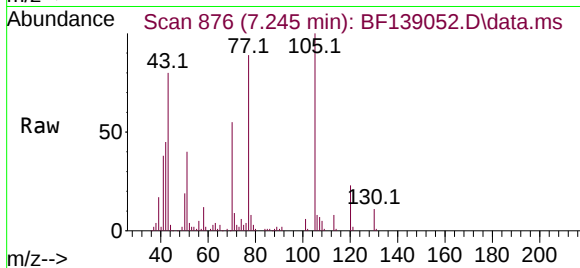
Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 26661

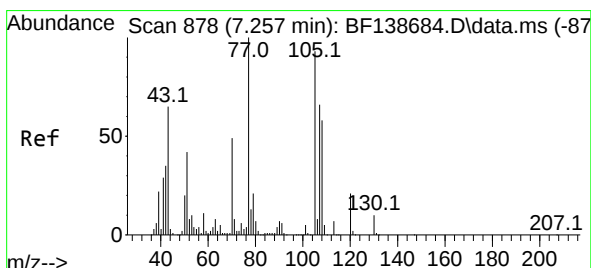
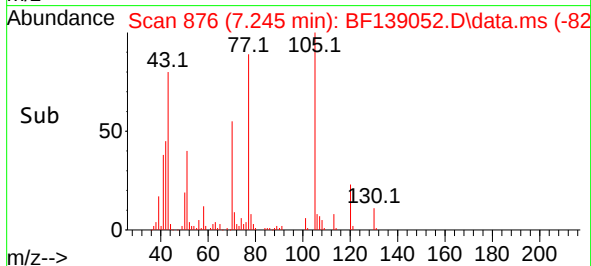
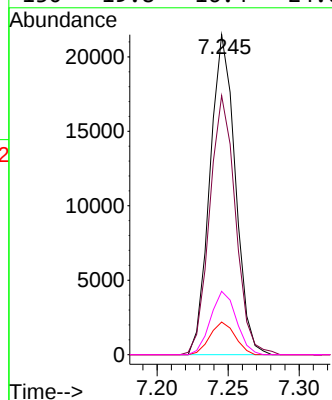
Ion Ratio Lower Upper

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

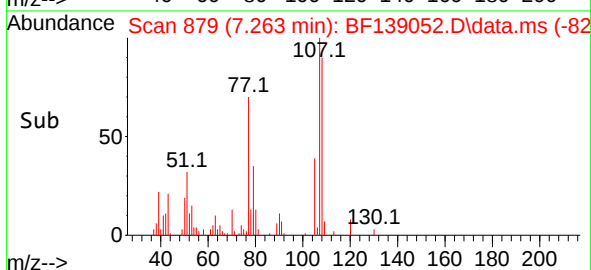
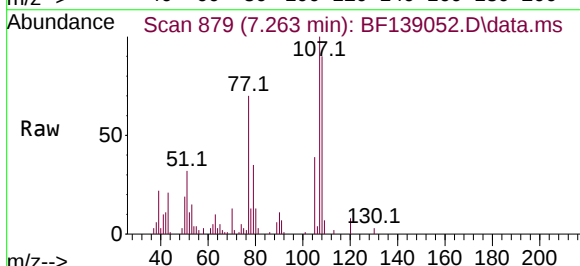
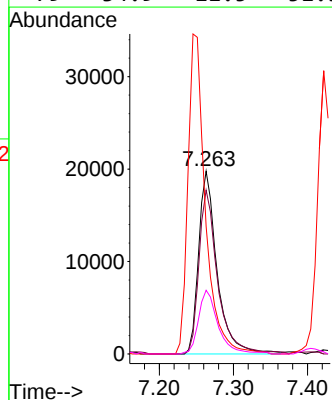
Ion Ratio Lower Upper

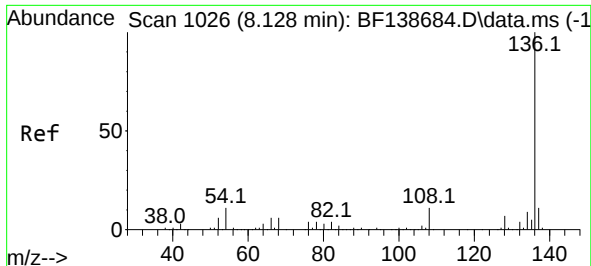
107 100

108 89.6 68.2 108.2

77 69.9 132.1 172.1#

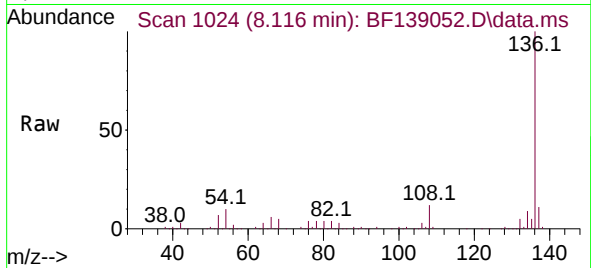
79 34.9 11.5 51.5



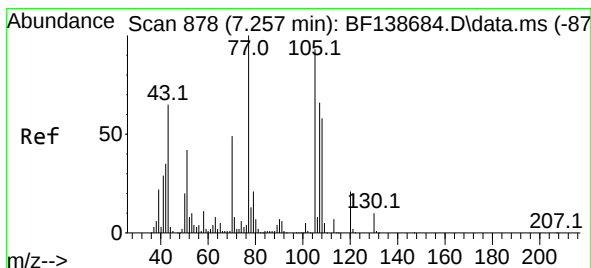
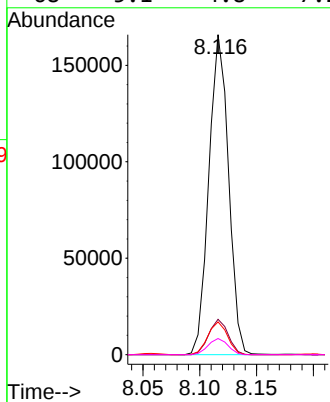
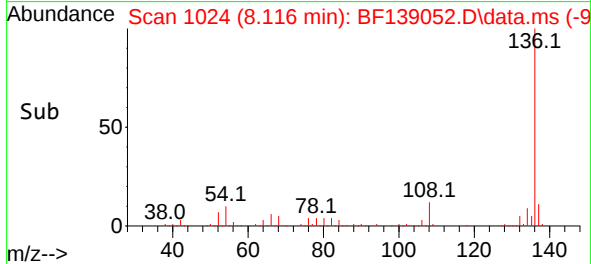


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

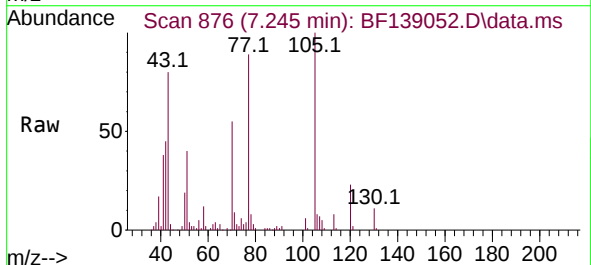
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024



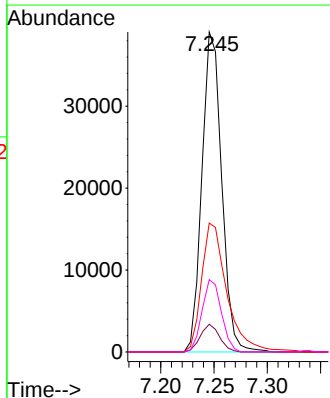
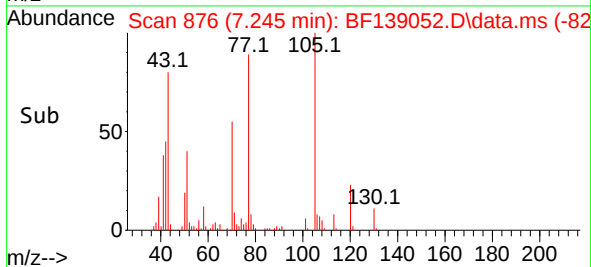
Tgt Ion:136 Resp: 200214
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.2 8.6 12.8
68 5.1 4.8 7.2

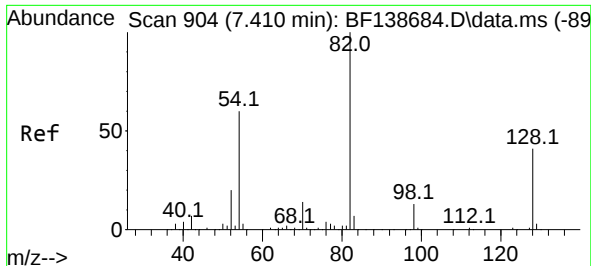


#22
Acetophenone
Concen: 10.288 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43



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

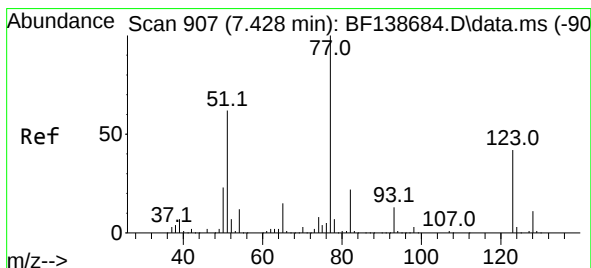
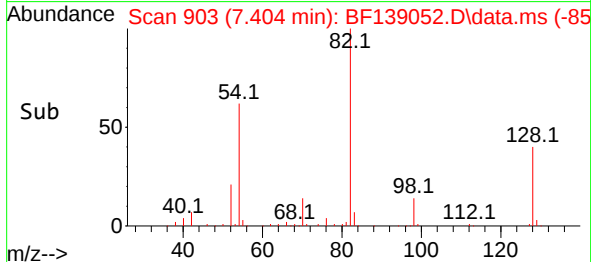
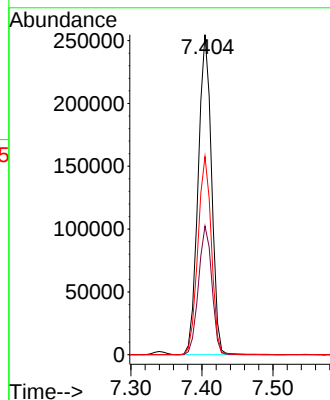
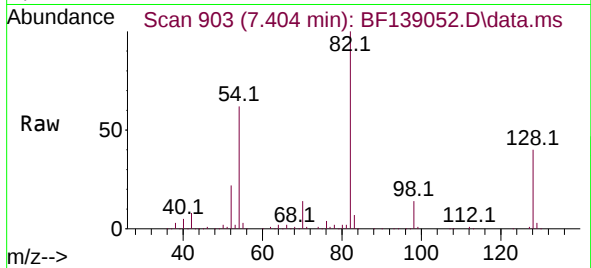




#23
Nitrobenzene-d5
Concen: 81.690 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

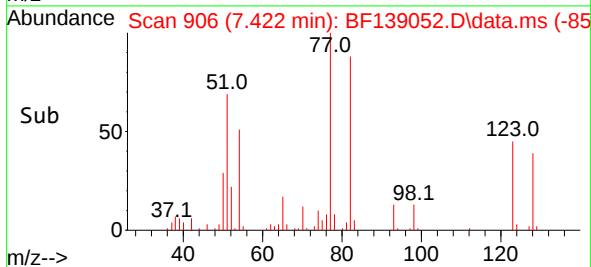
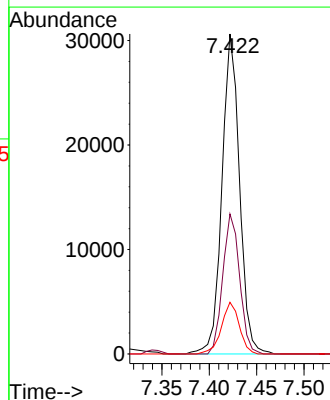
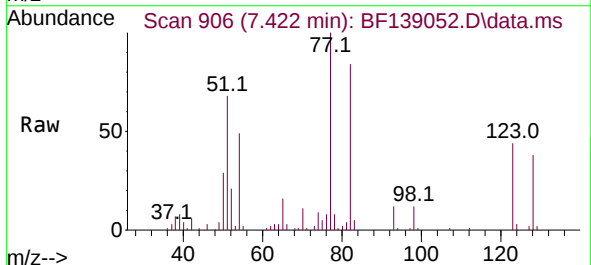
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

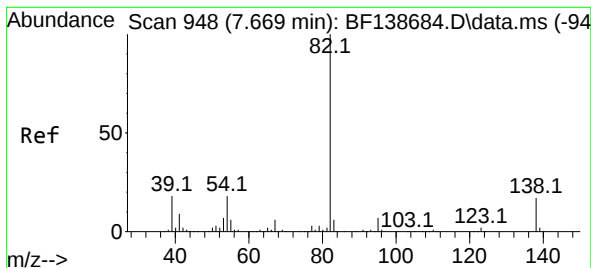
Tgt Ion: 82 Resp: 334527
Ion Ratio Lower Upper
82 100
128 40.2 32.8 49.2
54 61.9 48.3 72.5



#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

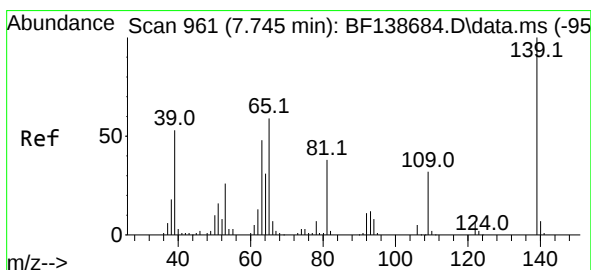
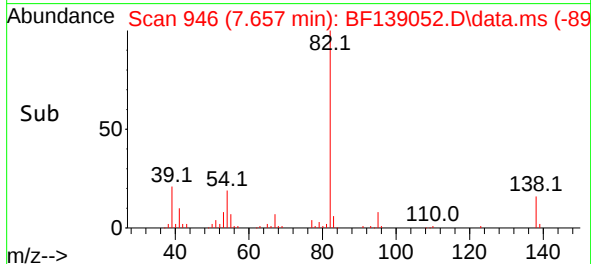
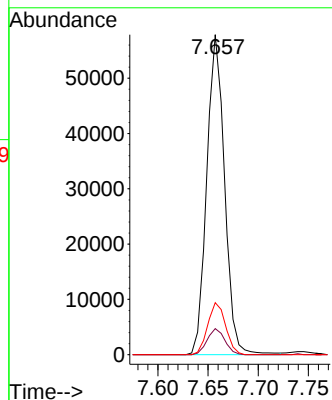
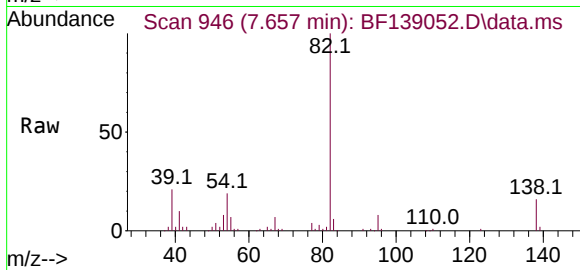
Tgt Ion: 82 Resp: 71840

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

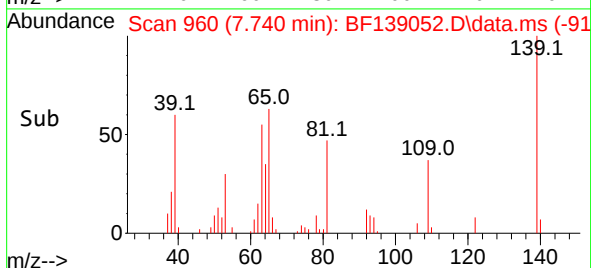
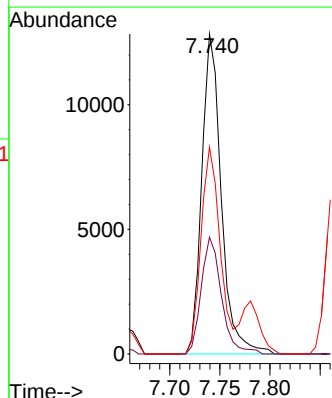
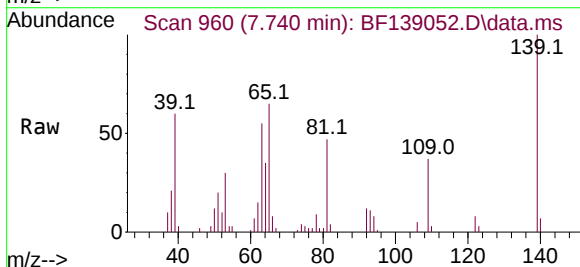
Tgt Ion:139 Resp: 17401

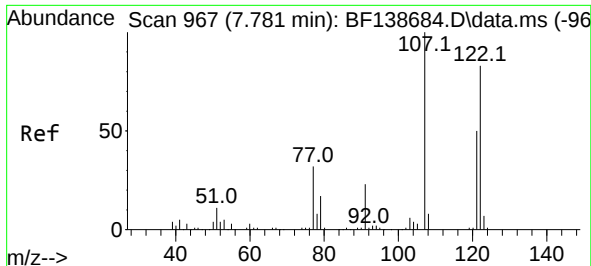
Ion Ratio Lower Upper

139 100

109 36.5 25.9 38.9

65 64.6 47.0 70.6

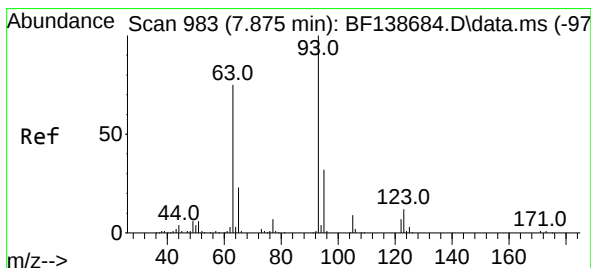
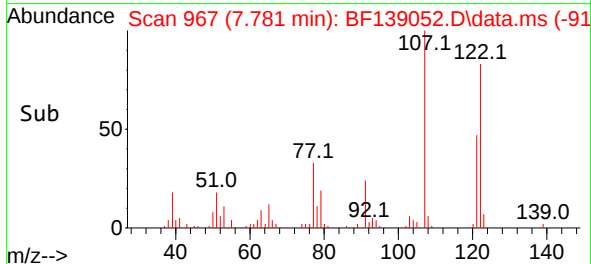
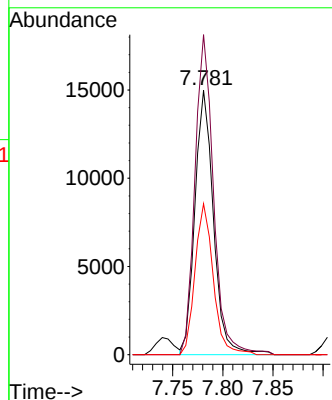
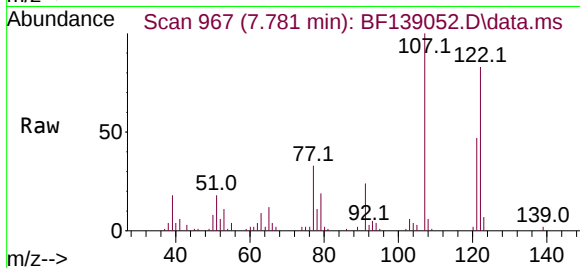




#27
2,4-Dimethylphenol
Concen: 9.062 ng
RT: 7.781 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

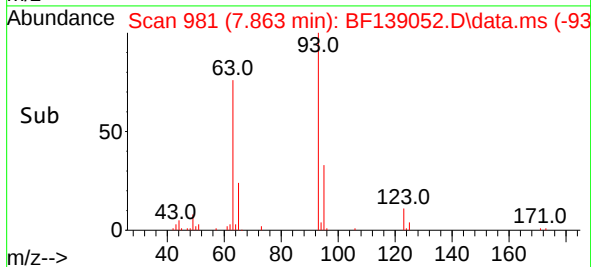
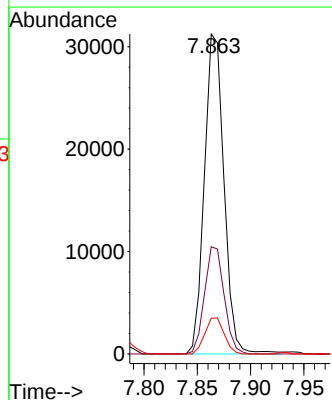
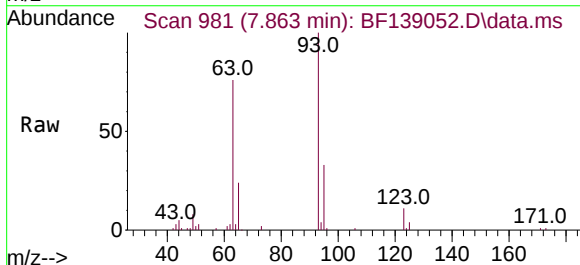
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

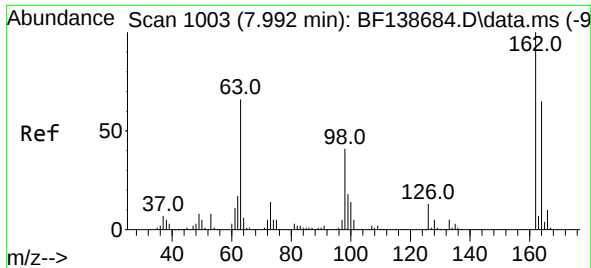
Tgt Ion:122 Resp: 19439
Ion Ratio Lower Upper
122 100
107 121.1 95.0 142.6
121 57.1 47.3 70.9



#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# 1004

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

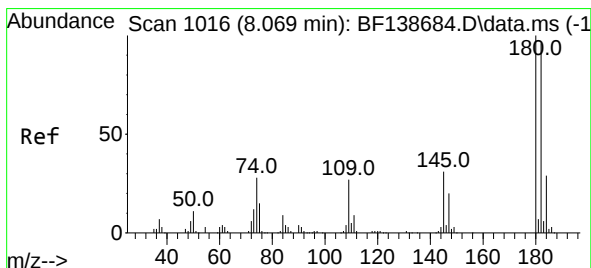
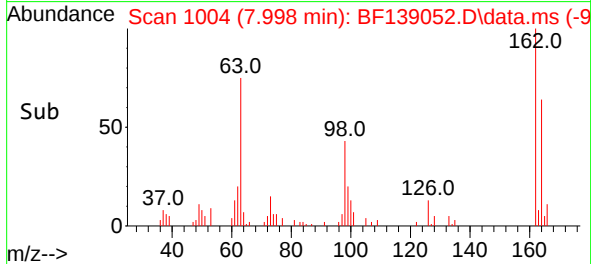
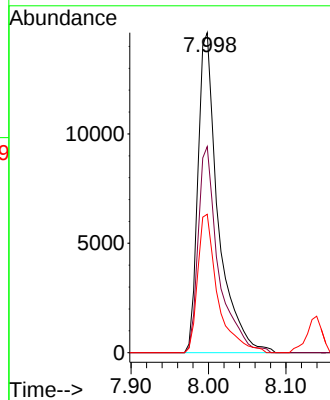
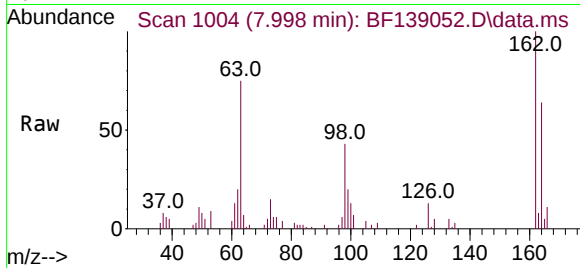
Tgt Ion:162 Resp: 26442

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

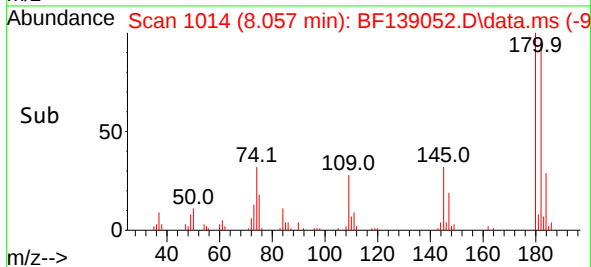
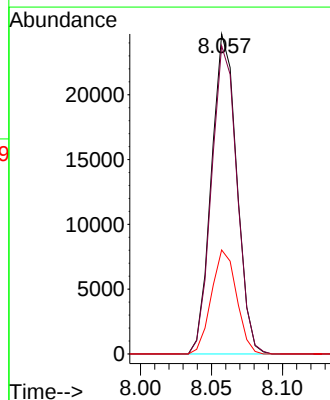
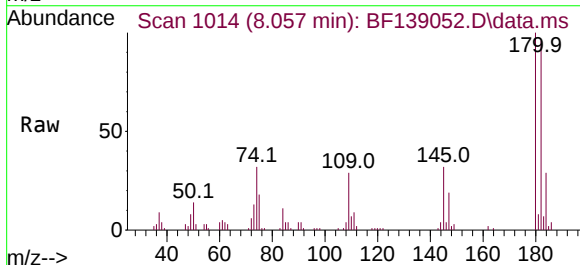
Tgt Ion:180 Resp: 30566

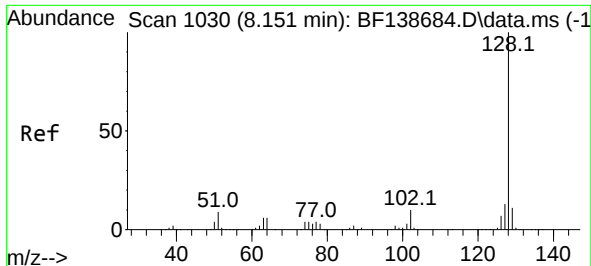
Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

145 32.5 25.0 37.4

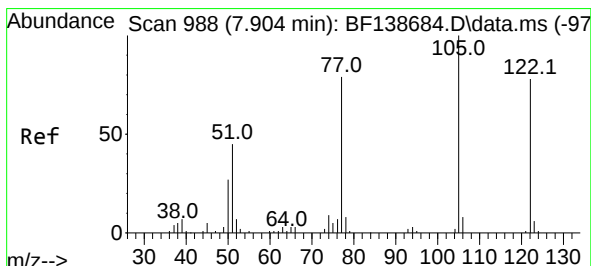
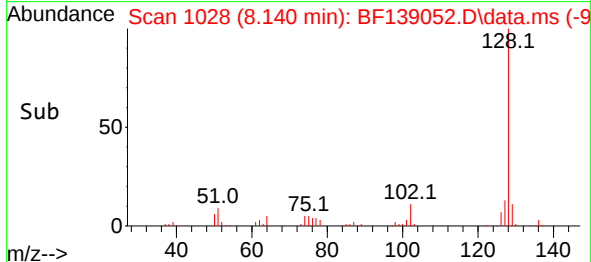
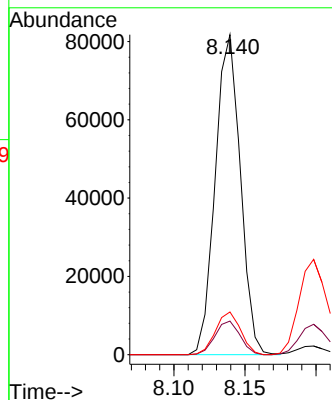
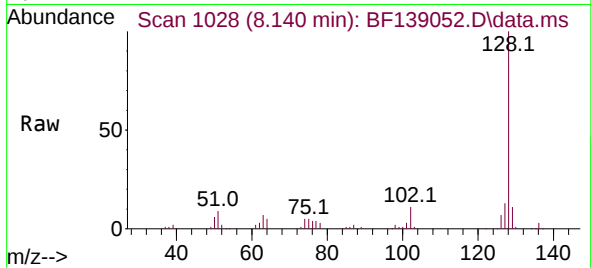




#31
Naphthalene
Concen: 9.536 ng
RT: 8.140 min Scan# 1030
Delta R.T. -0.011 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

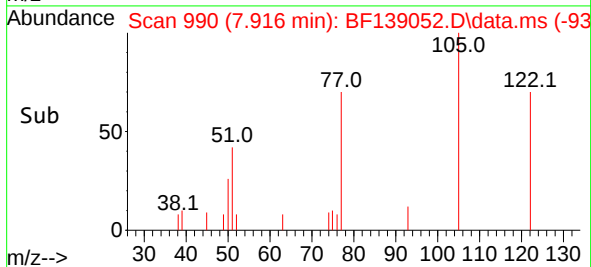
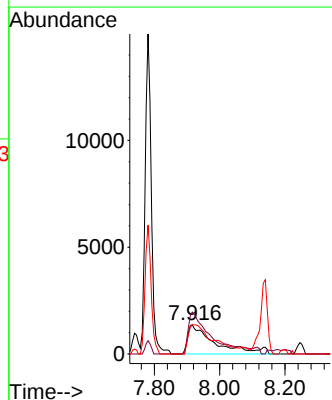
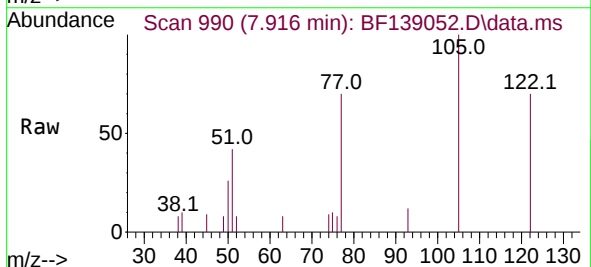
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

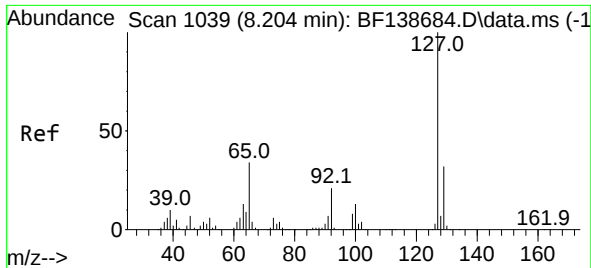
Tgt Ion:128 Resp: 100495
Ion Ratio Lower Upper
128 100
129 10.5 8.7 13.1
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 4.596 ng m
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: 7749
Ion Ratio Lower Upper
122 100
105 143.3 106.7 146.7
77 99.9 81.1 121.1

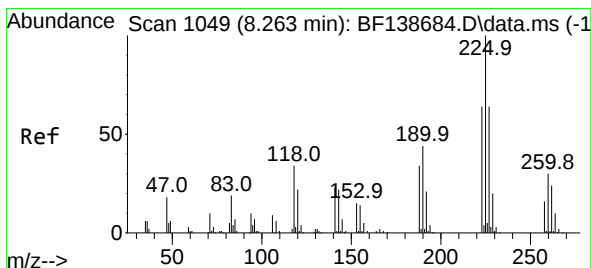
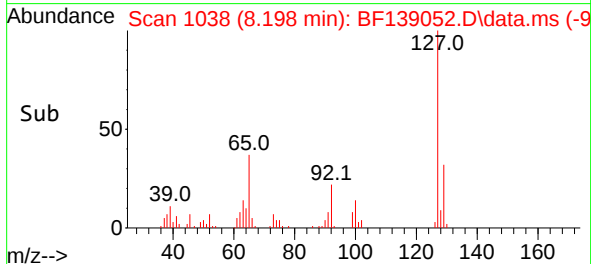
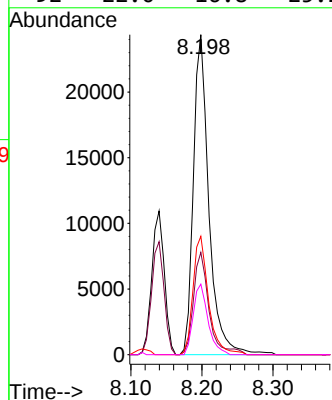
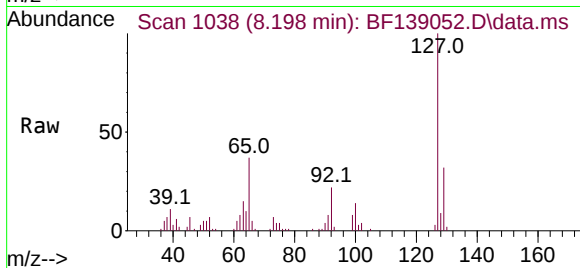




#33
4-Chloroaniline
Concen: 10.483 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

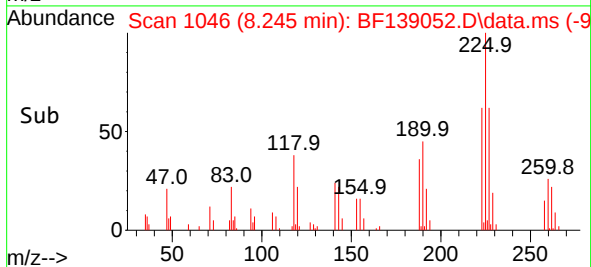
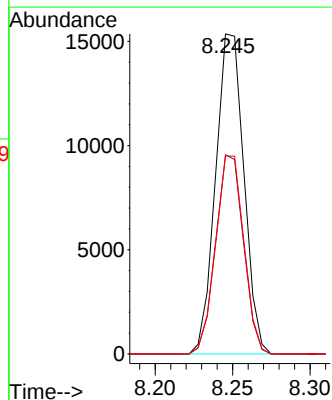
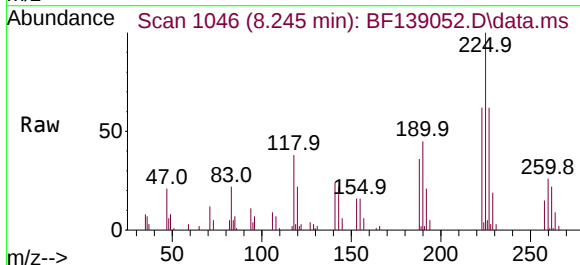
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

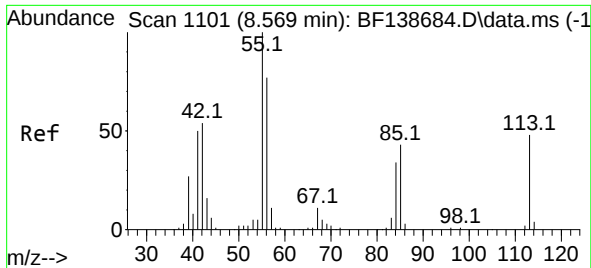
Tgt Ion:	127	Resp:	37084
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	37.0	27.6	41.4
92	22.0	16.8	25.2



#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

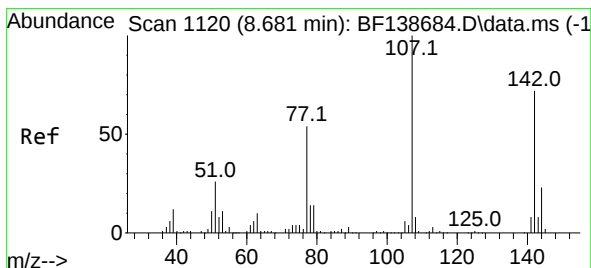
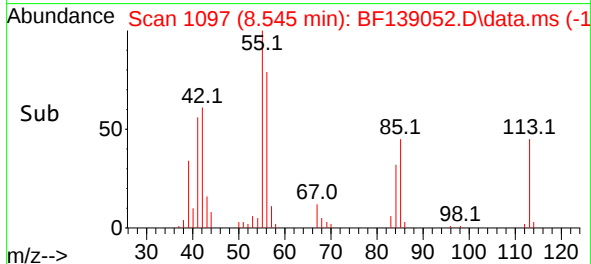
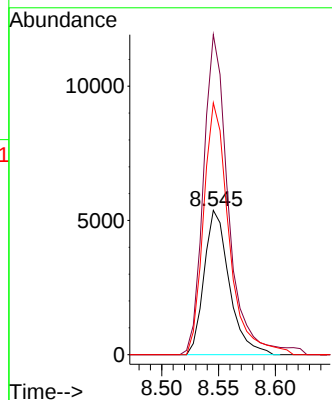
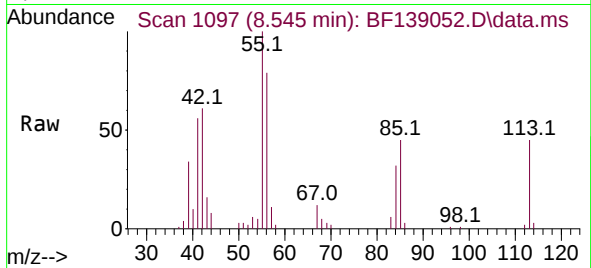




#35
 Caprolactam
 Concen: 10.060 ng
 RT: 8.545 min Scan# 1101
 Delta R.T. -0.023 min
 Lab File: BF139052.D
 Acq: 16 Aug 2024 11:43

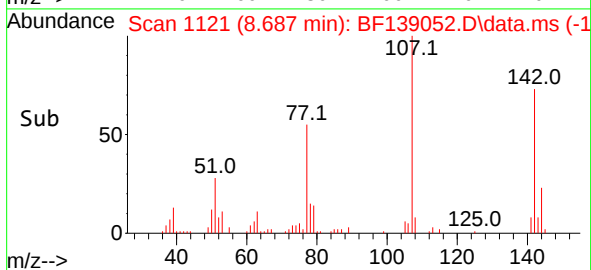
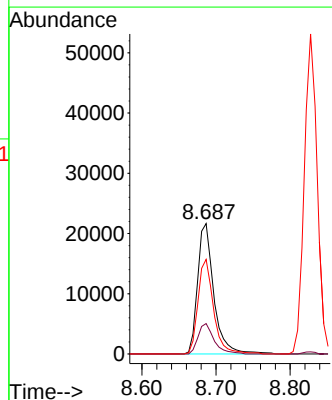
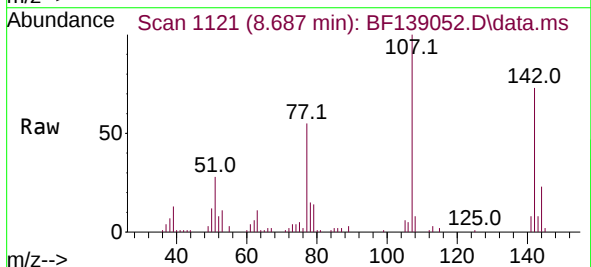
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

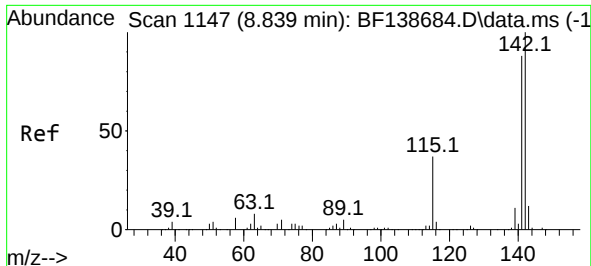
Tgt Ion:113 Resp: 8274
 Ion Ratio Lower Upper
 113 100
 55 221.8 186.7 226.7
 56 174.6 138.9 178.9



#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

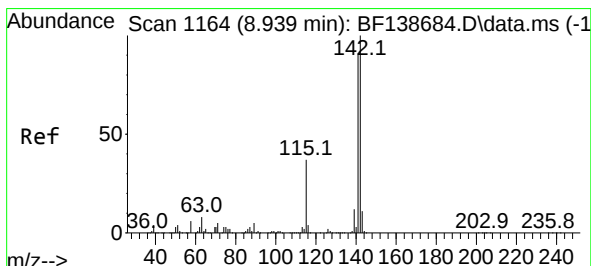
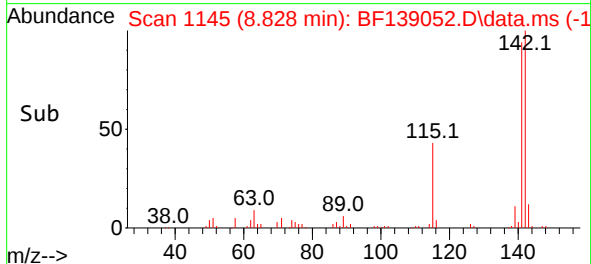
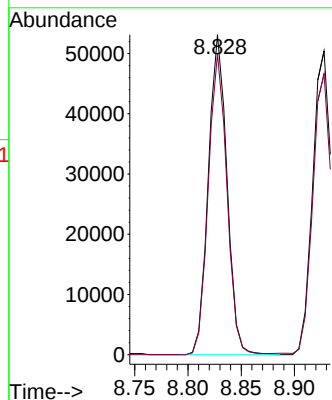
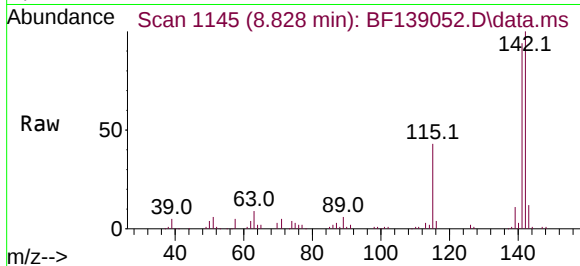




#37
2-Methylnaphthalene
Concen: 9.692 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

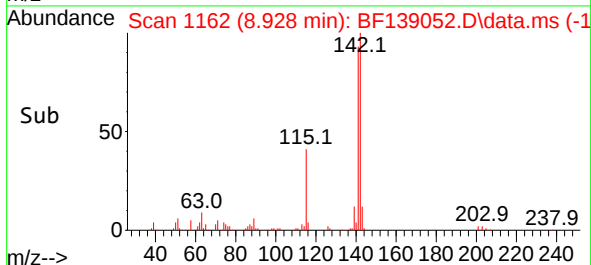
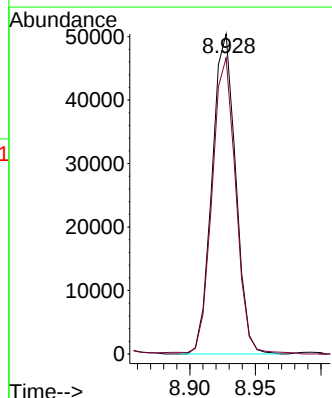
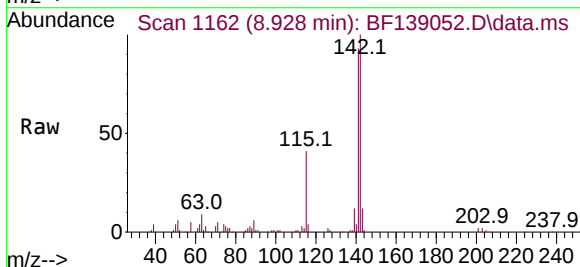
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

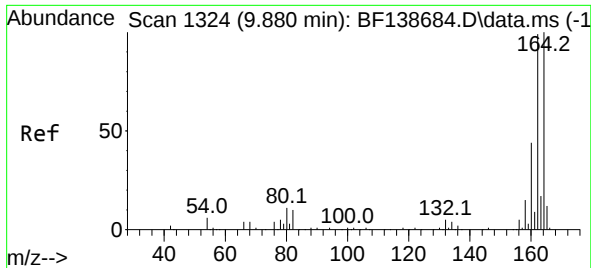
Tgt Ion:142 Resp: 64510
Ion Ratio Lower Upper
142 100
141 93.9 70.8 106.2



#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# 113445

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

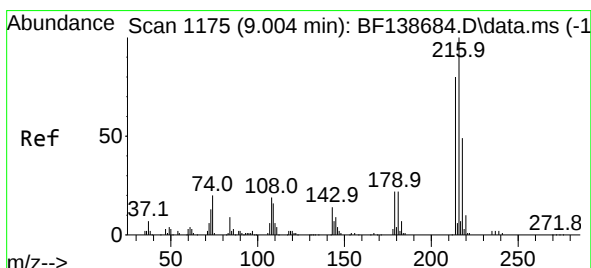
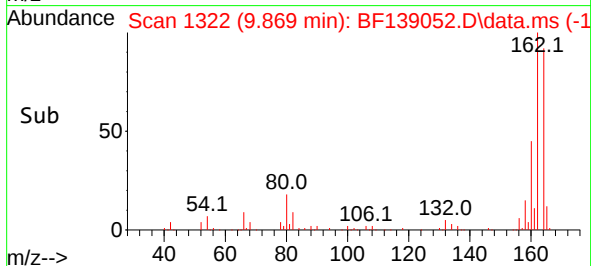
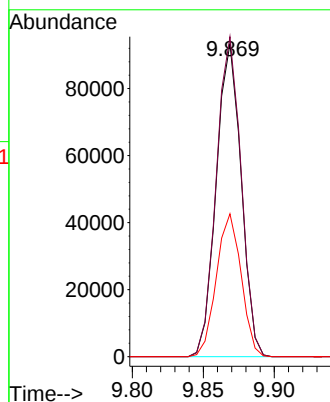
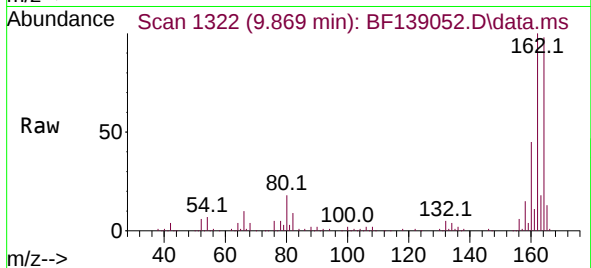
Tgt Ion:164 Resp: 113445

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

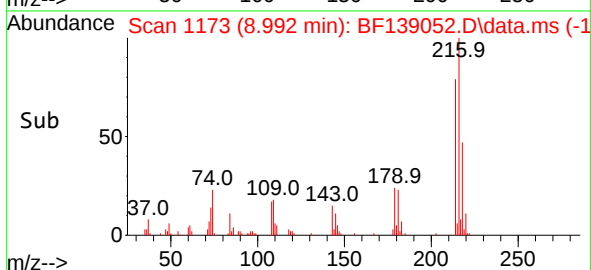
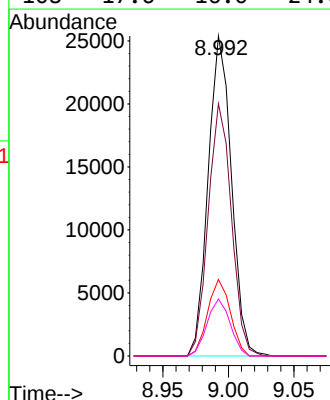
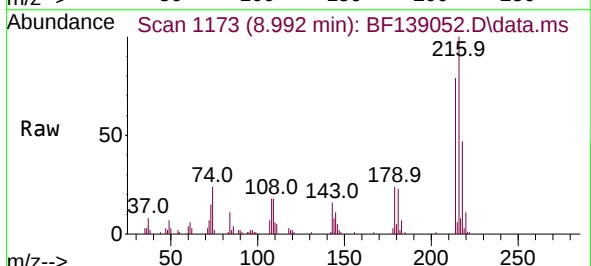
Ion Ratio Lower Upper

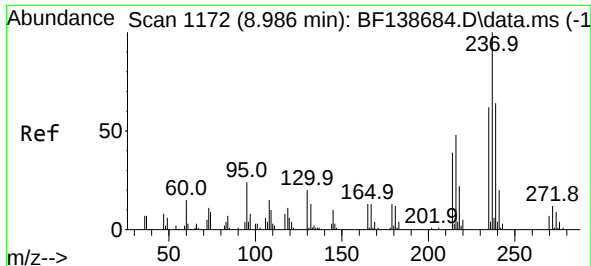
216 100

214 78.3 63.9 95.9

179 23.3 17.8 26.6

108 17.6 16.0 24.0

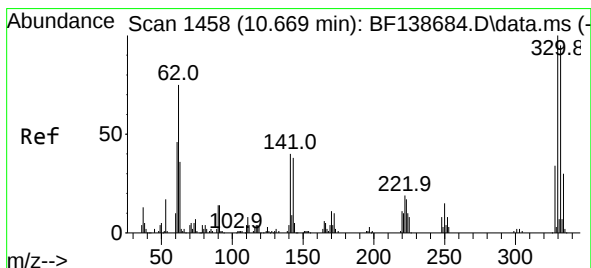
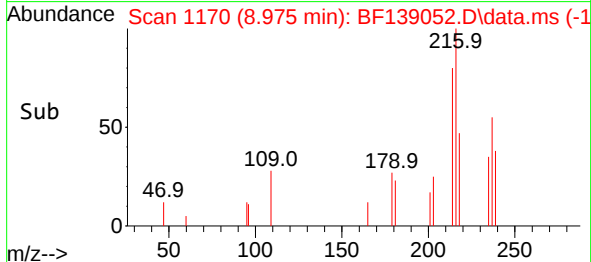
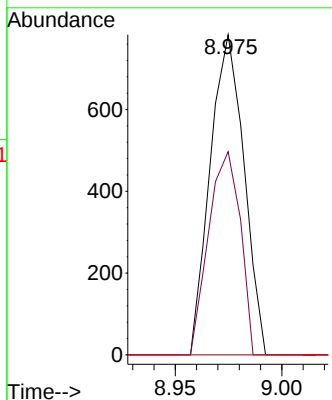
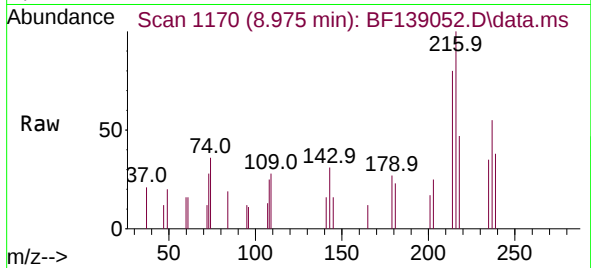




#41
Hexachlorocyclopentadiene
Concen: 7.911 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

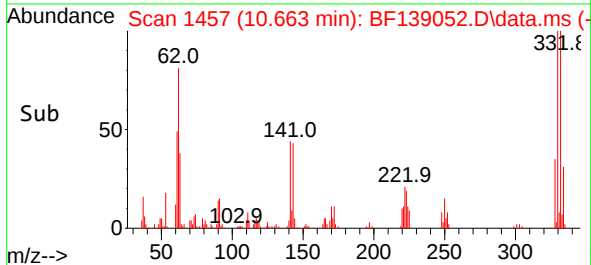
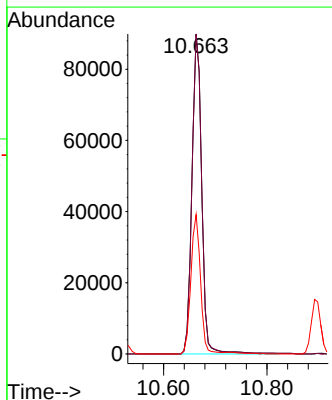
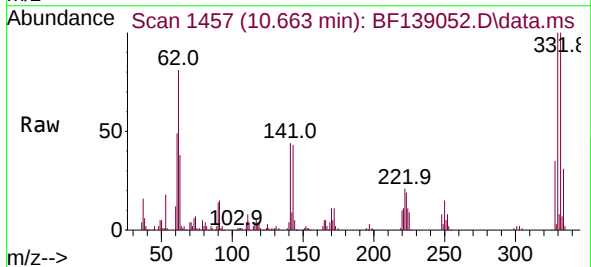
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

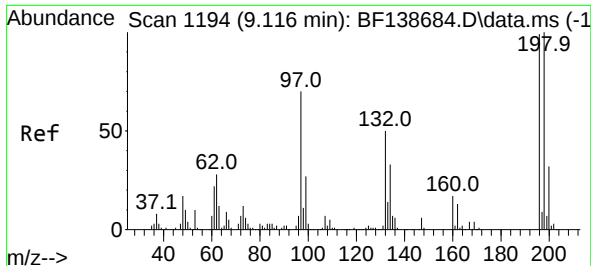
Tgt Ion:237	Resp:	864
Ion Ratio	Lower	Upper
237	100	
235	63.5	41.8 81.8
272	0.0	0.0 32.2



#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

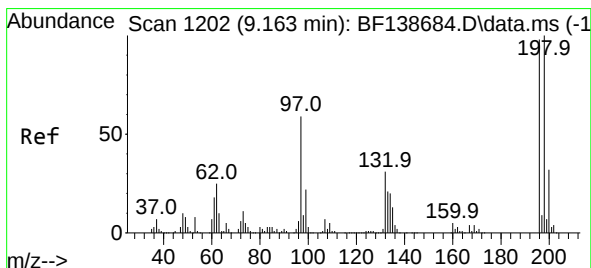
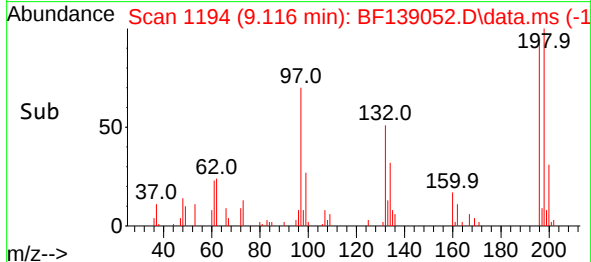
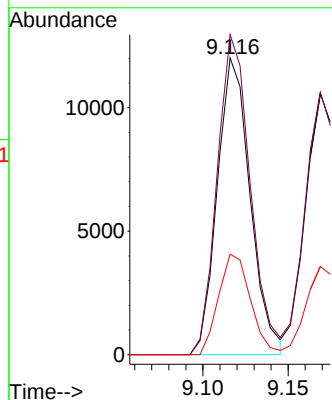
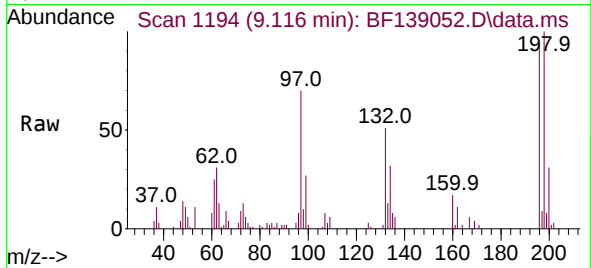




#43
2,4,6-Trichlorophenol
Concen: 8.395 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

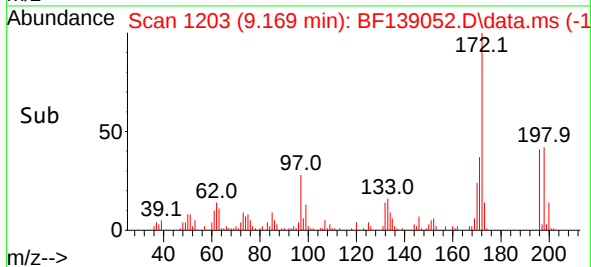
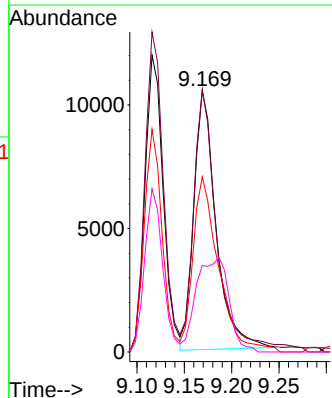
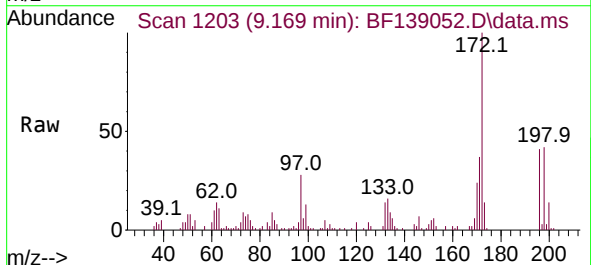
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

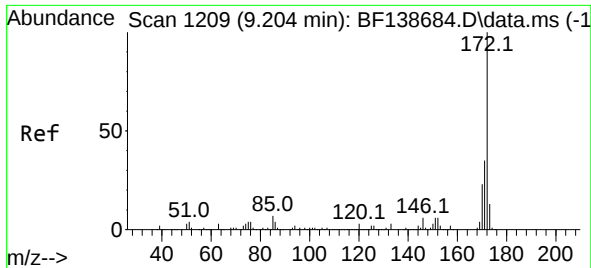
Tgt Ion:196 Resp: 16131
Ion Ratio Lower Upper
196 100
198 107.8 80.5 120.7
200 33.8 25.9 38.9



#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

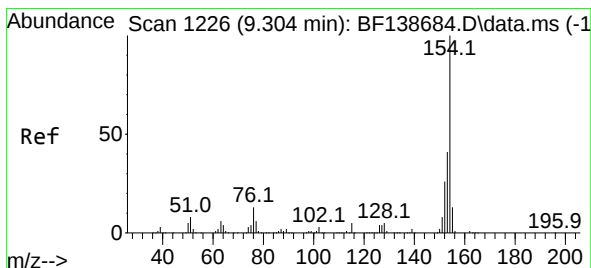
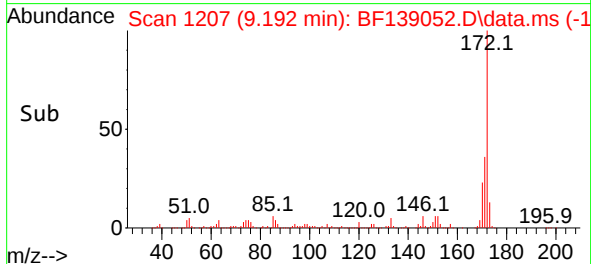
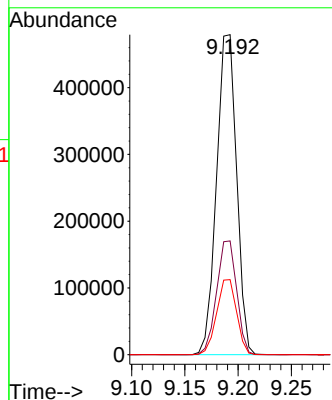
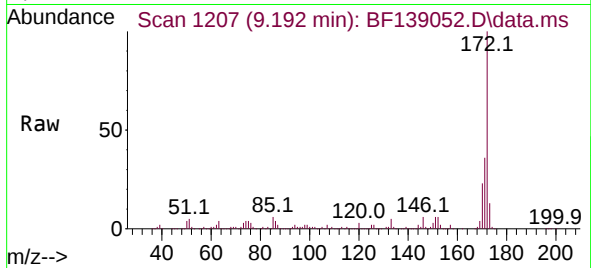




#45
2-Fluorobiphenyl
Concen: 82.999 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

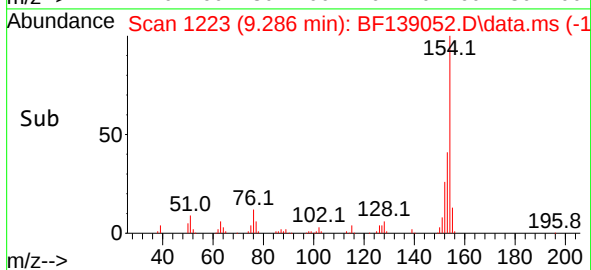
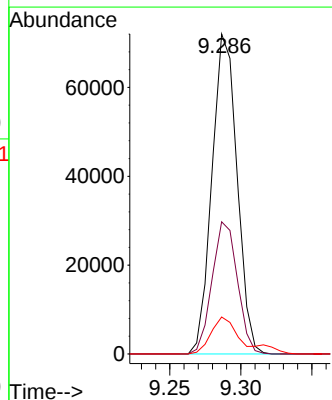
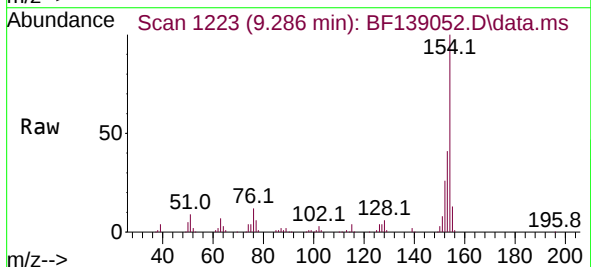
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

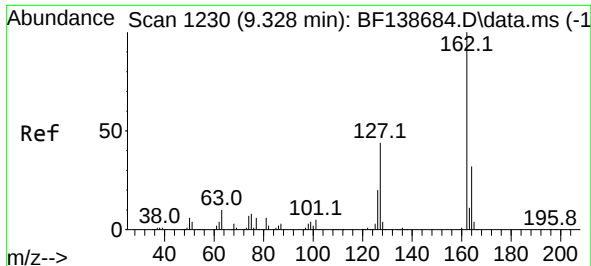
Tgt Ion:172 Resp: 626678
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.4 18.8 28.2



#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

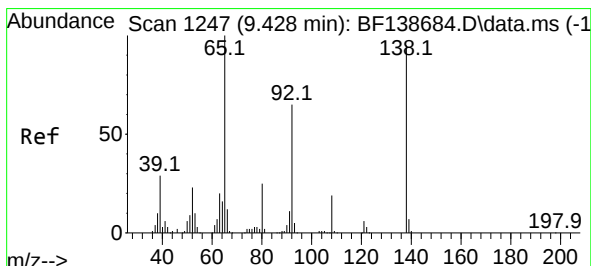
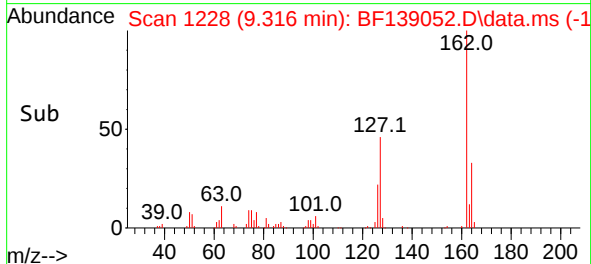
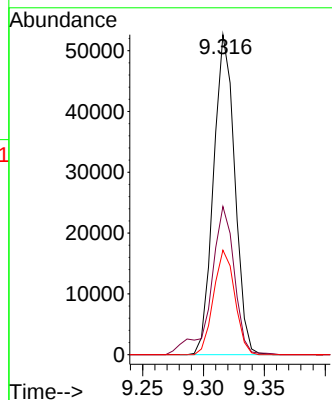
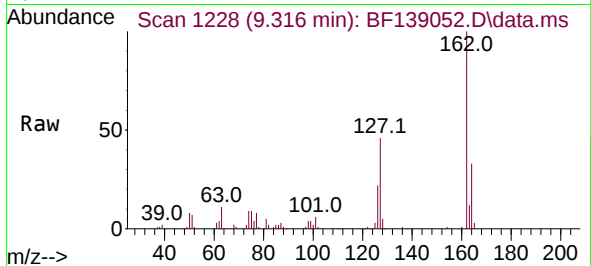




#47
2-Chloronaphthalene
Concen: 9.655 ng
RT: 9.316 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

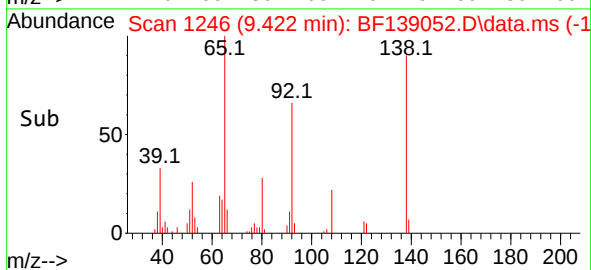
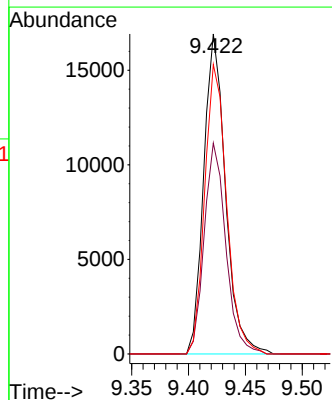
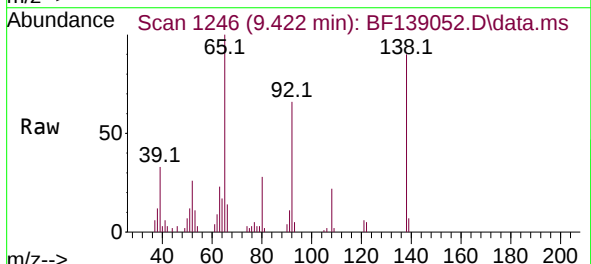
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2024

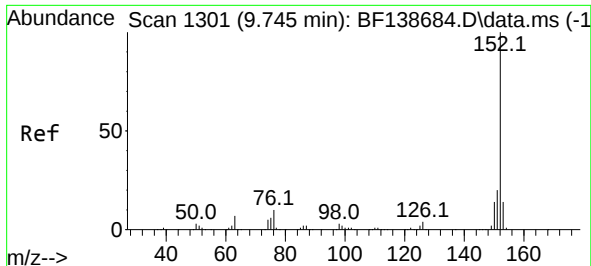
Tgt Ion:162 Resp: 63799
Ion Ratio Lower Upper
162 100
127 46.3 35.4 53.2
164 32.7 25.6 38.4



#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# 11

Delta R.T. -0.018 min

Lab File: BF139052.D

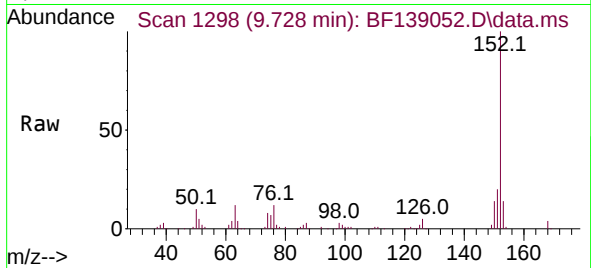
Acq: 16 Aug 2024 11:43

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



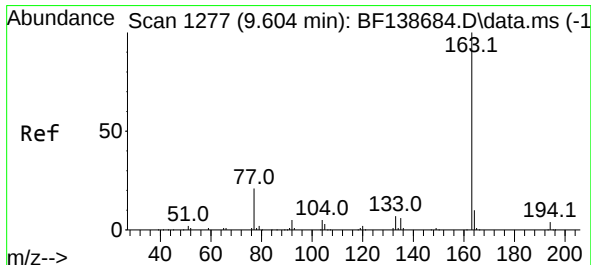
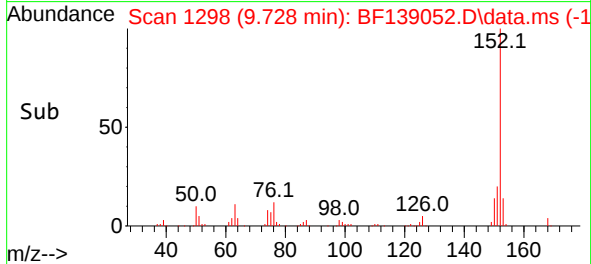
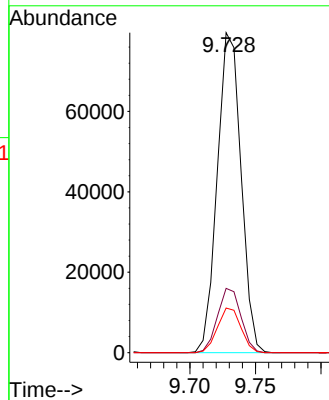
Tgt Ion:152 Resp: 100323

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

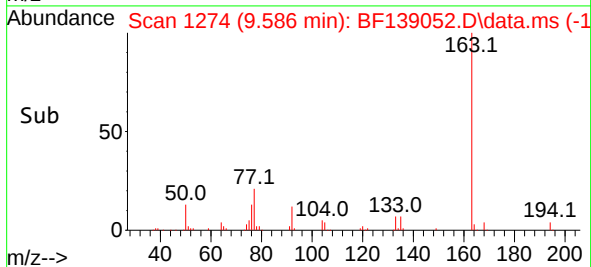
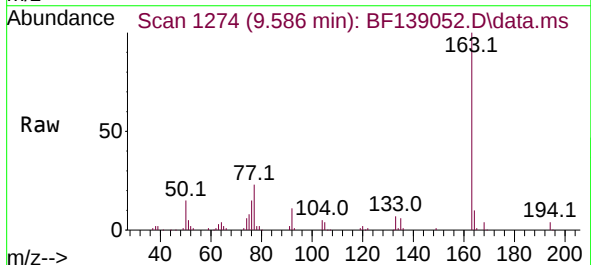
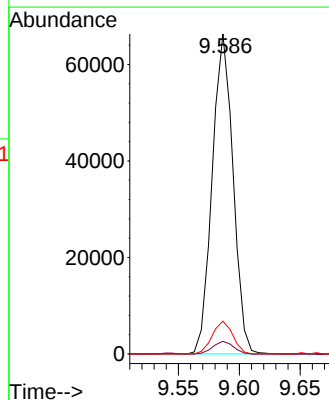
Tgt Ion:163 Resp: 78956

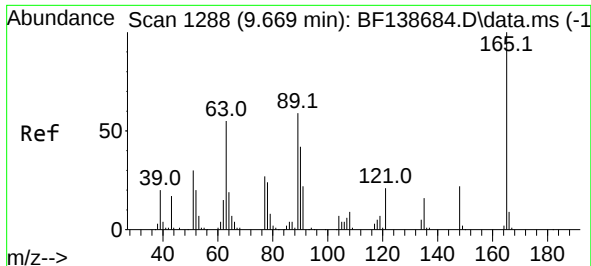
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.2 7.8 11.8

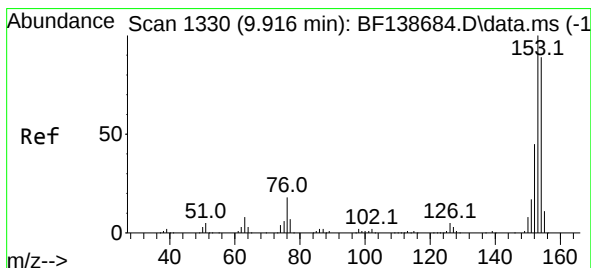
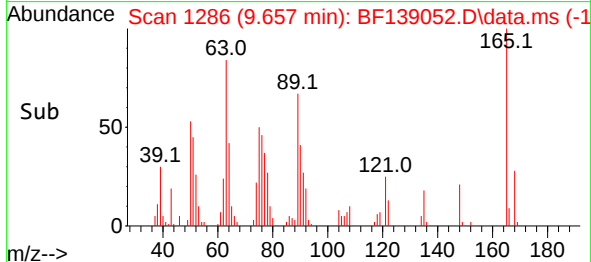
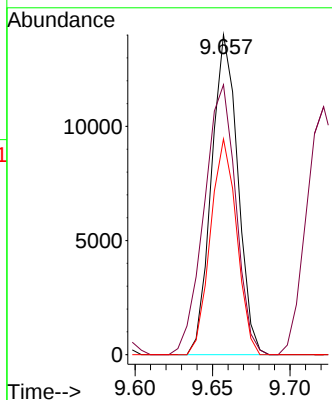
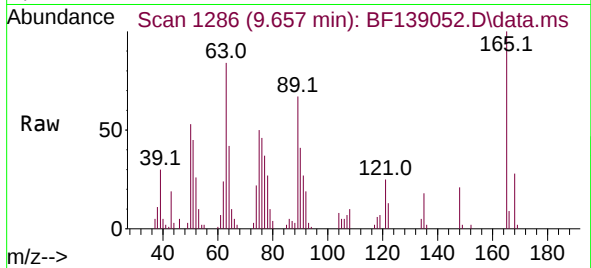




#51
2,6-Dinitrotoluene
Concen: 10.108 ng
RT: 9.657 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

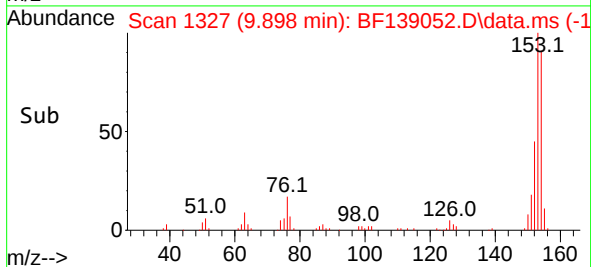
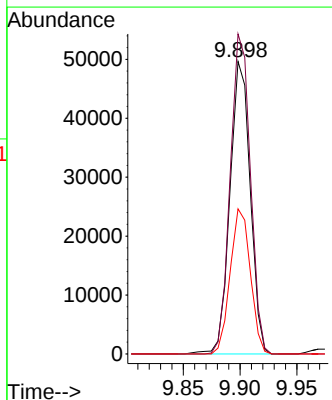
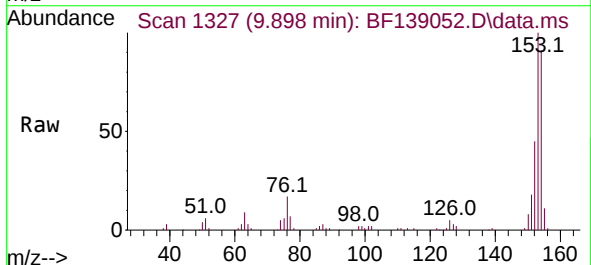
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

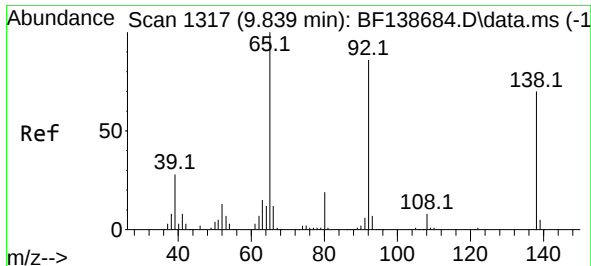
Tgt Ion:165 Resp: 16548
Ion Ratio Lower Upper
165 100
63 84.4 52.0 78.0#
89 67.4 47.0 70.6



#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

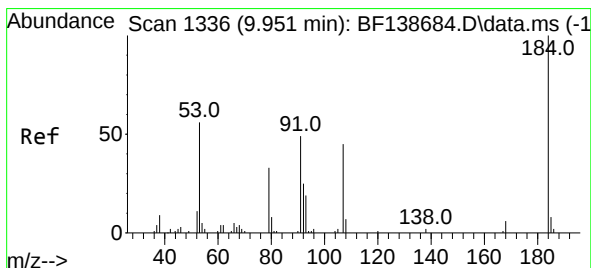
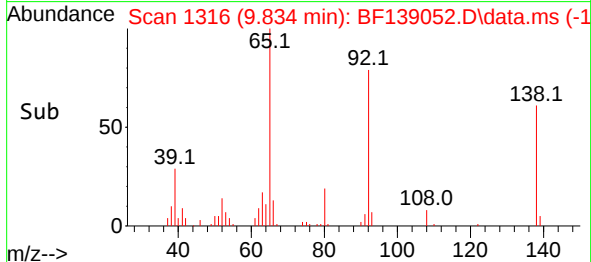
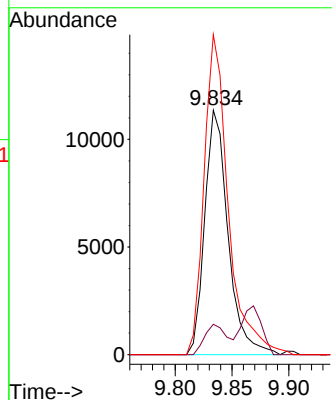
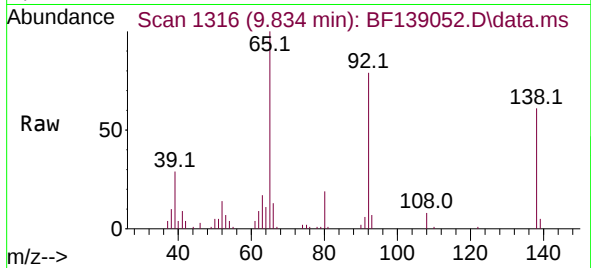




#53
3-Nitroaniline
Concen: 9.584 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

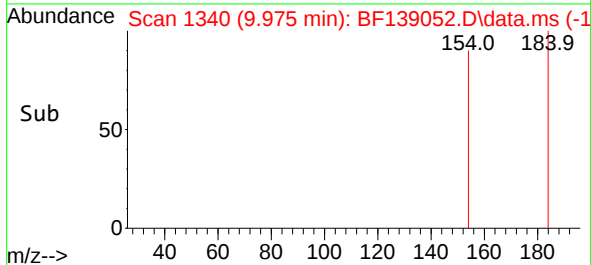
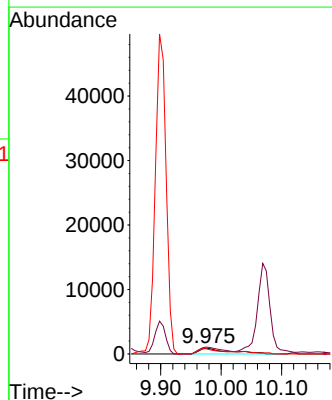
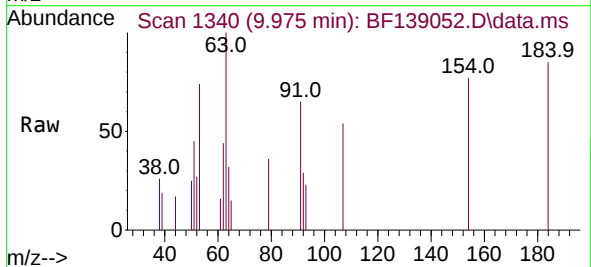
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

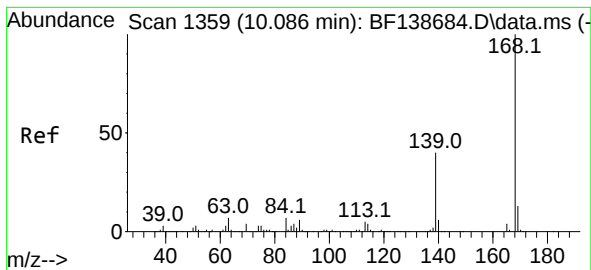
Tgt Ion:138 Resp: 16220
Ion Ratio Lower Upper
138 100
108 12.4 9.1 13.7
92 130.8 98.7 148.1



#54
2,4-Dinitrophenol
Concen: 3.952 ng m
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: 2978
Ion Ratio Lower Upper
184 100
63 117.2 57.5 86.3#
154 90.4 51.7 77.5#





#55

Dibenzofuran

Concen: 10.640 ng

RT: 10.075 min Scan# 11

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

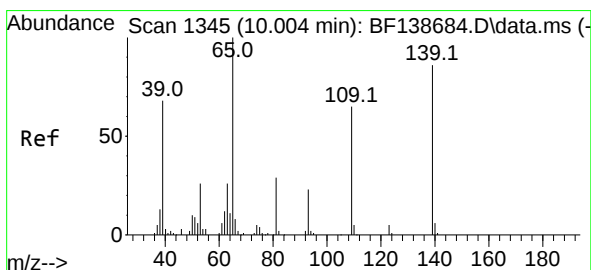
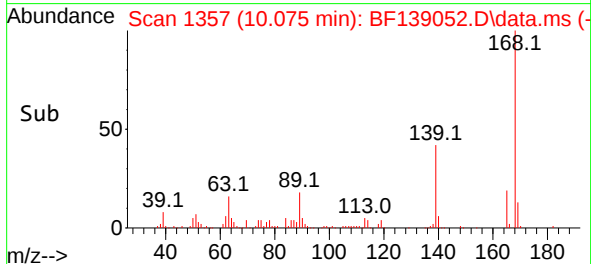
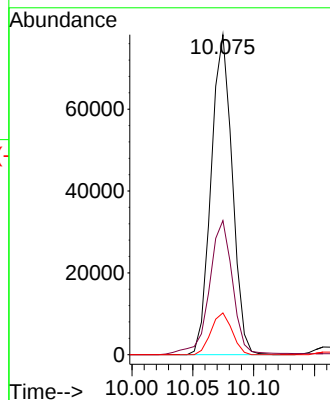
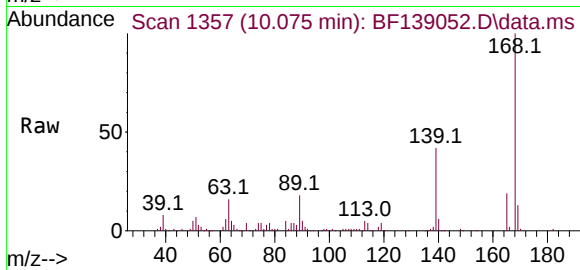
Tgt Ion:168 Resp: 94627

Ion Ratio Lower Upper

168 100

139 41.9 32.6 49.0

169 13.1 10.7 16.1



#56

4-Nitrophenol

Concen: 3.629 ng m

RT: 10.057 min Scan# 1354

Delta R.T. 0.053 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

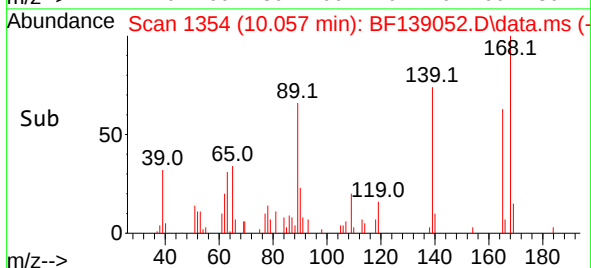
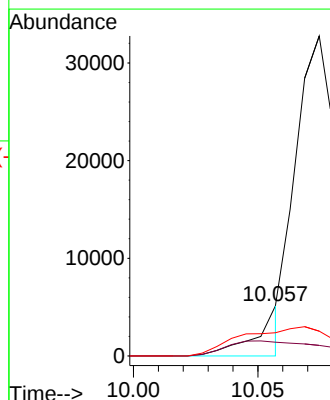
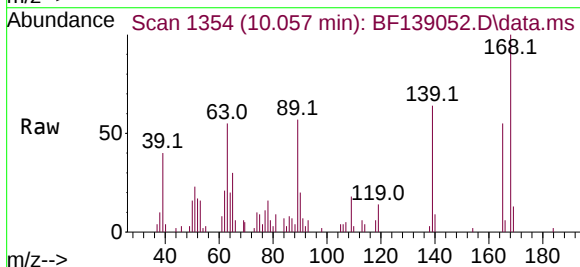
Tgt Ion:139 Resp: 3693

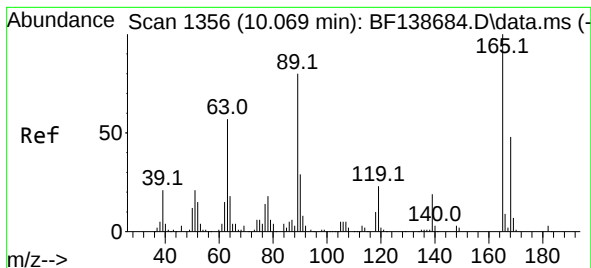
Ion Ratio Lower Upper

139 100

109 27.7 55.5 95.5#

65 46.5 96.7 136.7#

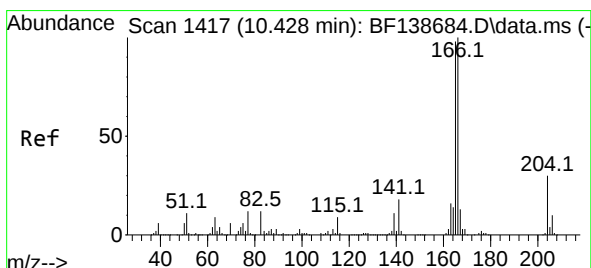
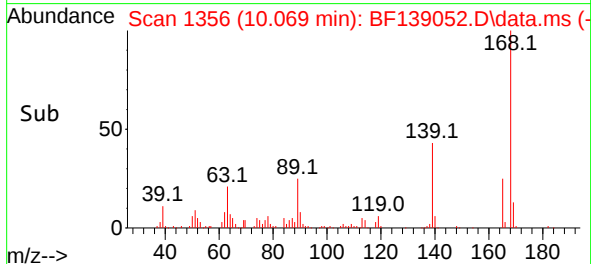
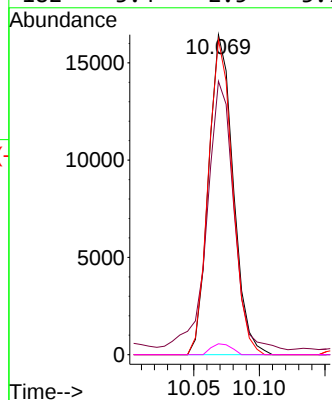
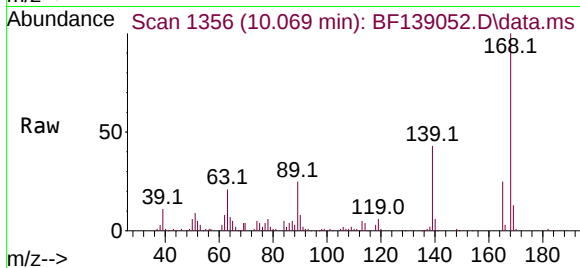




#57
2,4-Dinitrotoluene
Concen: 10.292 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

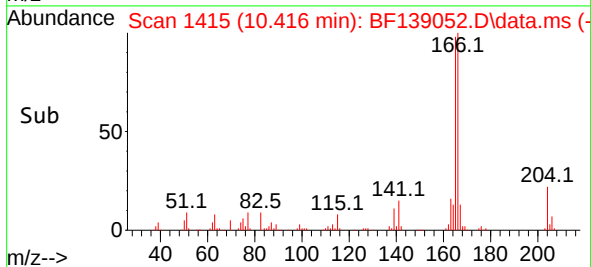
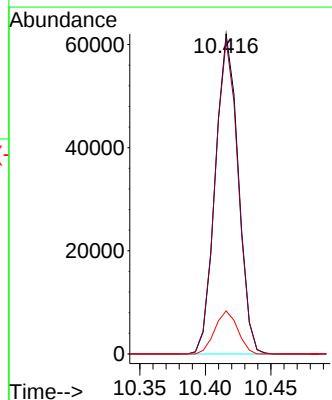
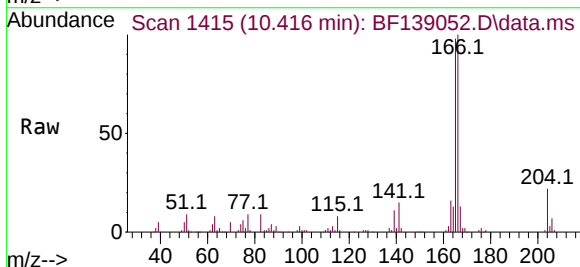
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

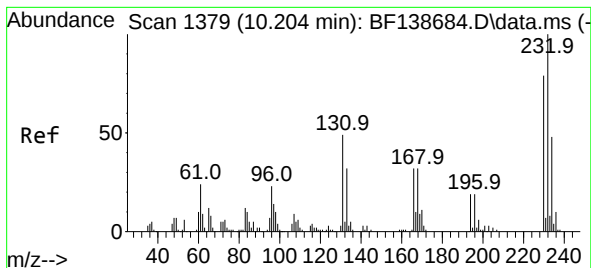
Tgt Ion:	165	Resp:	21496
Ion Ratio	Lower	Upper	
165	100		
63	85.4	46.3	69.5#
89	98.5	64.2	96.4#
182	3.4	2.5	3.7



#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

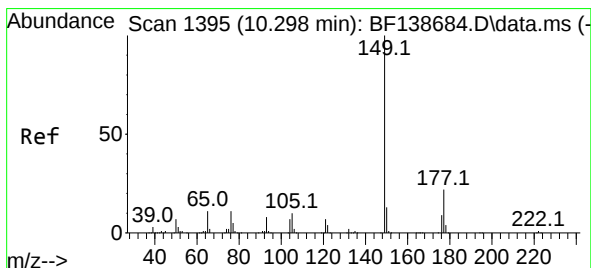
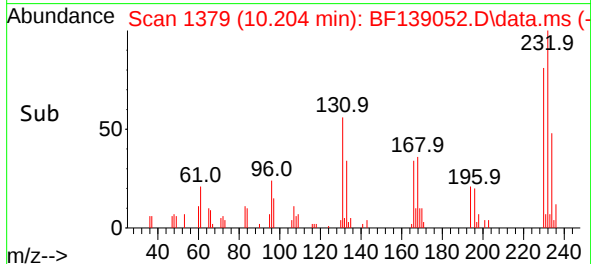
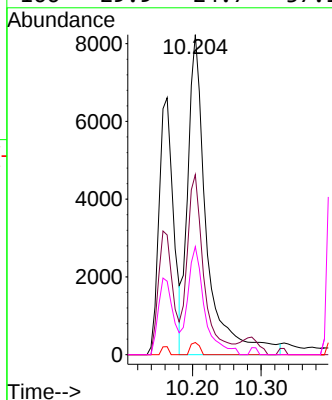
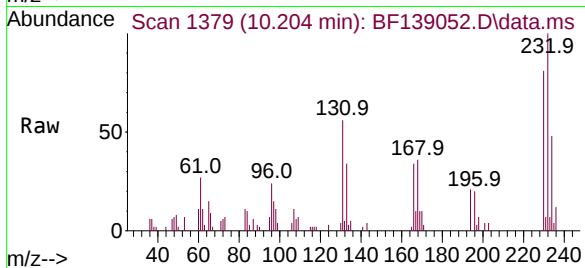




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.796 ng m
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

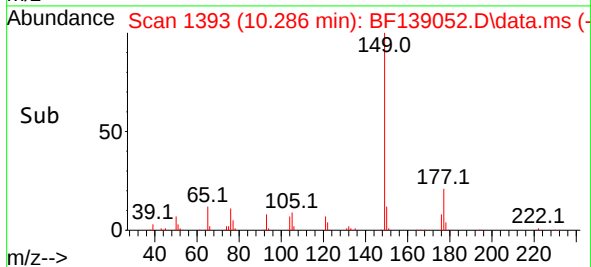
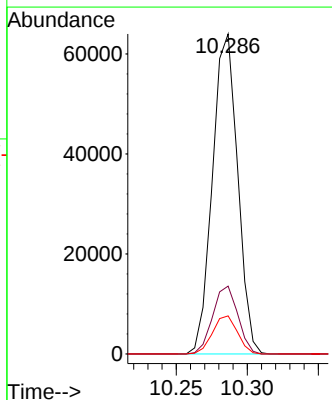
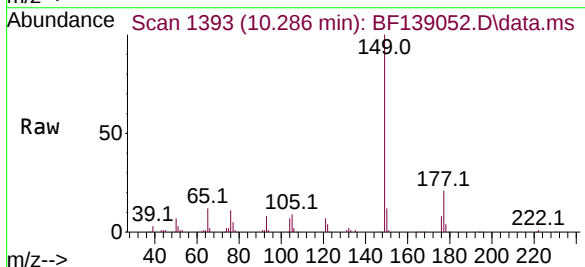
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

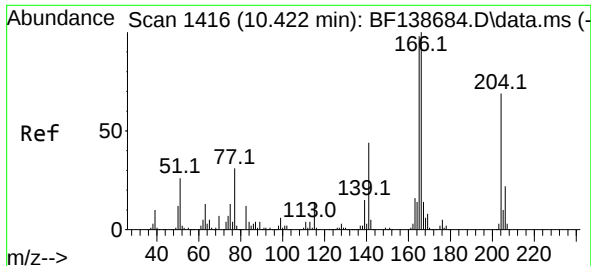
Tgt Ion:232	Resp:	15732
Ion Ratio	Lower	Upper
232	100	
131	50.2	37.0 55.4
130	1.8	2.0 3.0#
166	29.9	24.7 37.1



#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

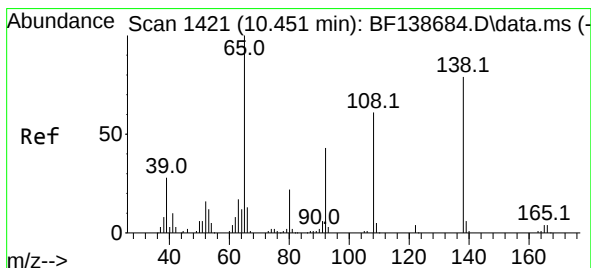
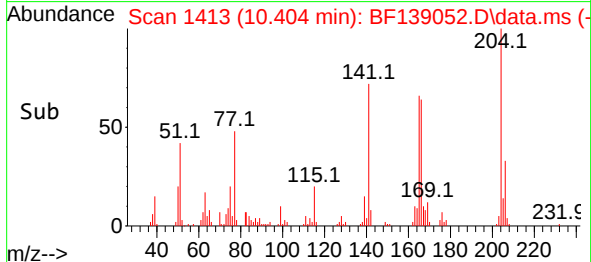
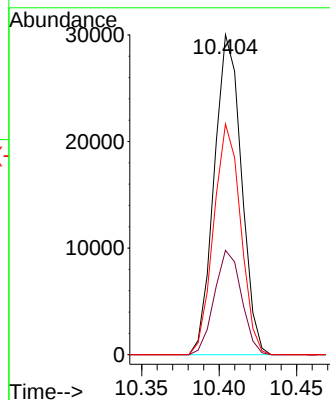
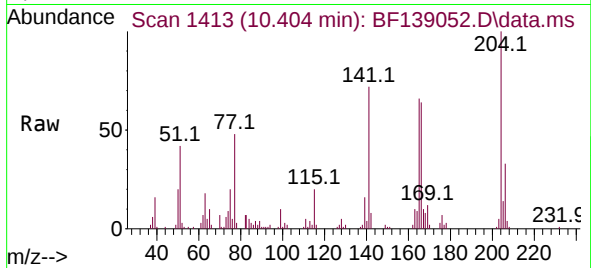




#61
4-Chlorophenyl-phenylether
Concen: 10.527 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

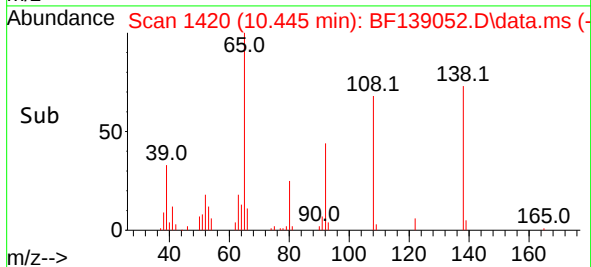
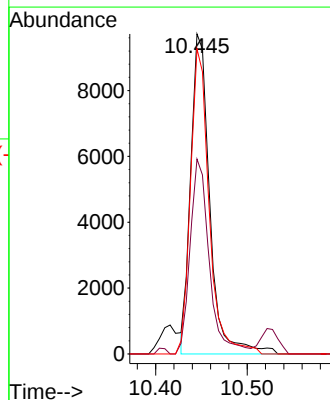
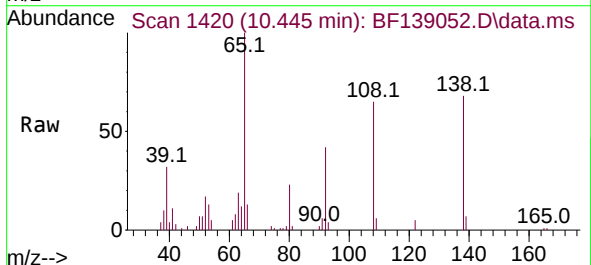
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

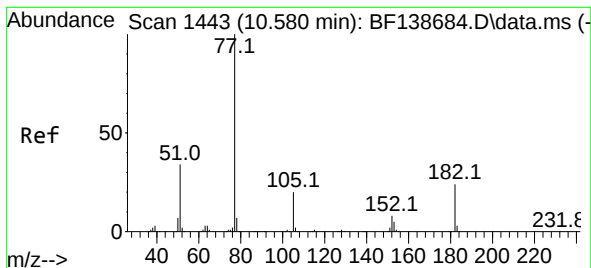
Tgt Ion:204 Resp: 36667
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 72.1 51.4 77.0



#62
4-Nitroaniline
Concen: 8.747 ng m
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: 14068
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

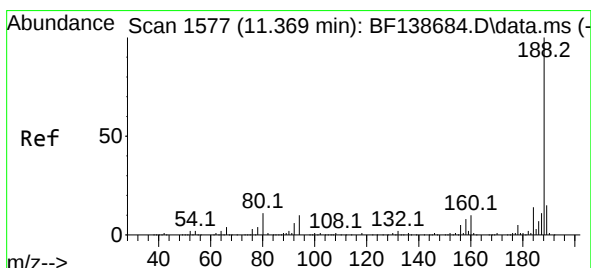
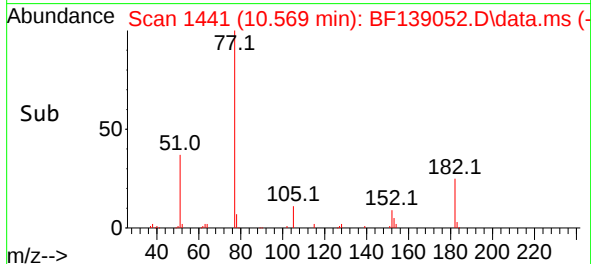
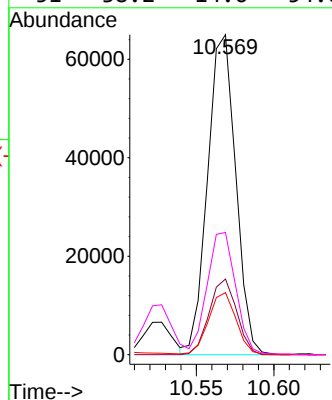
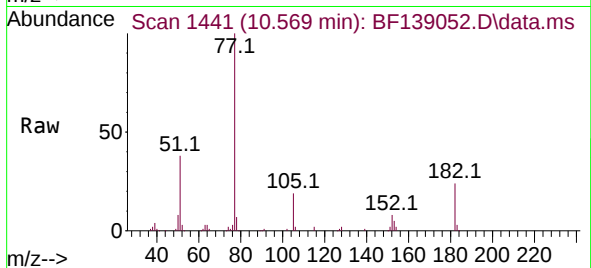
Ion Ratio Lower Upper

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

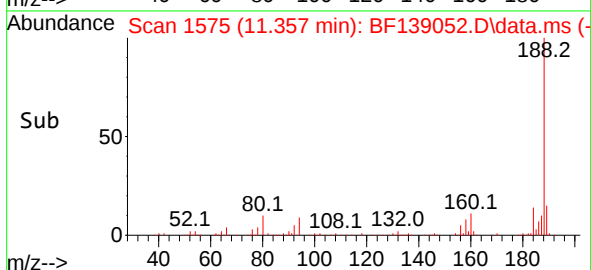
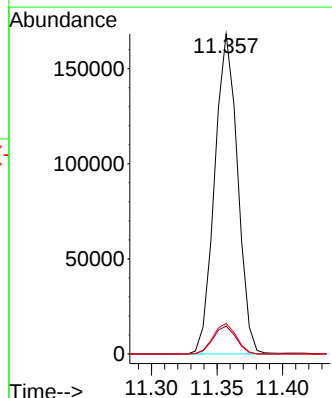
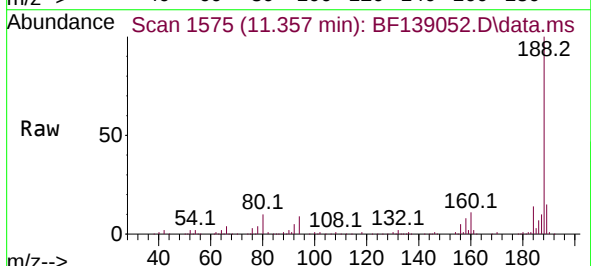
Tgt Ion:188 Resp: 204539

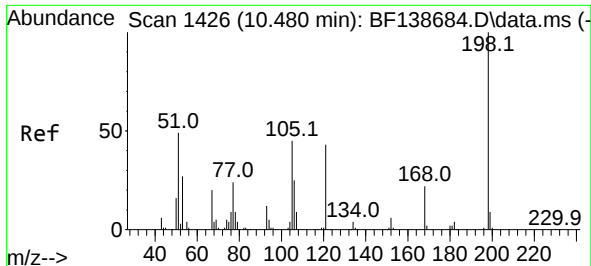
Ion Ratio Lower Upper

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

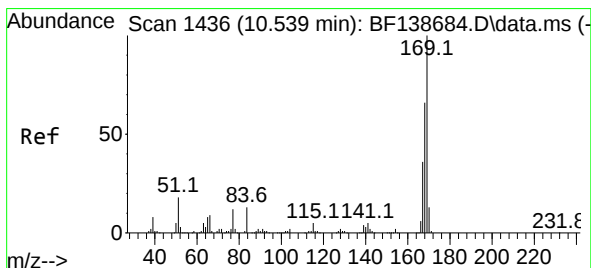
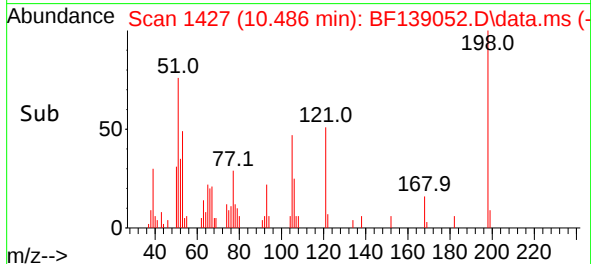
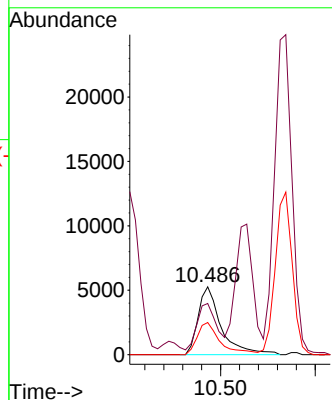
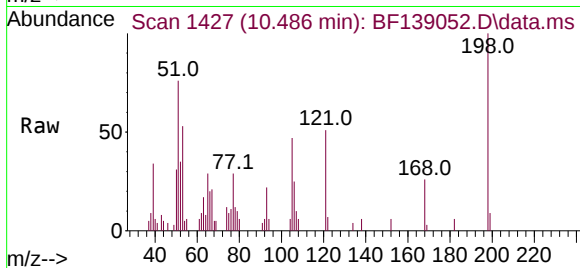
Tgt Ion:198 Resp: 8883

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

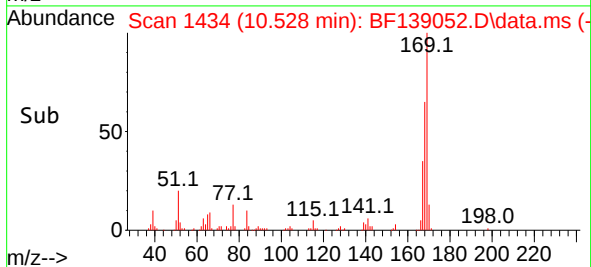
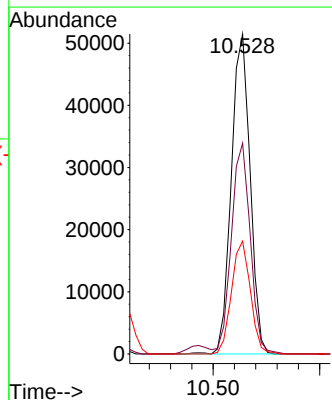
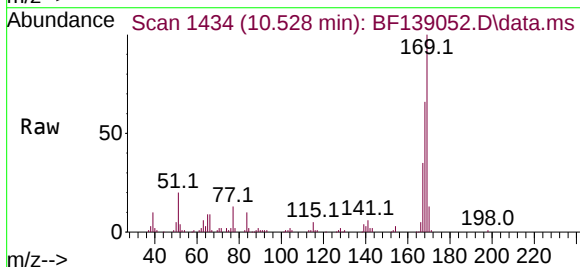
Tgt Ion:169 Resp: 62850

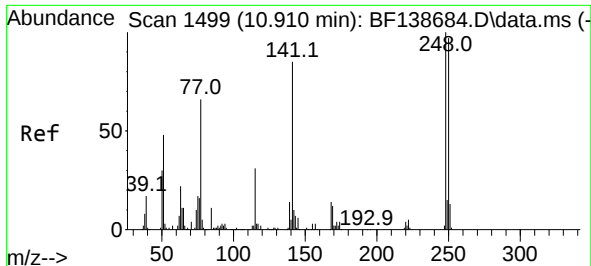
Ion Ratio Lower Upper

169 100

168 65.8 53.0 79.6

167 35.3 29.0 43.6

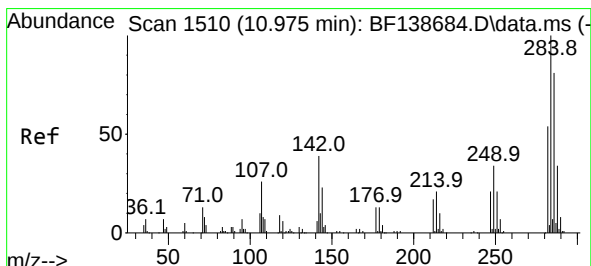
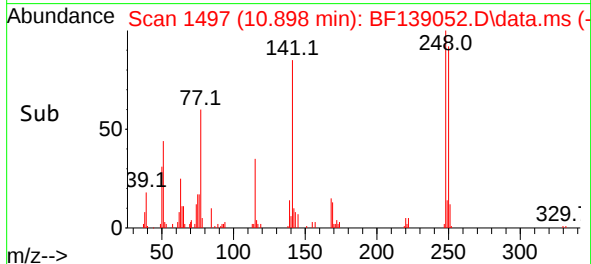
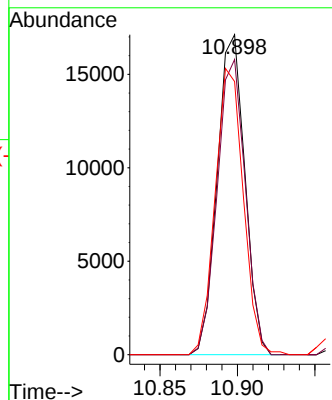
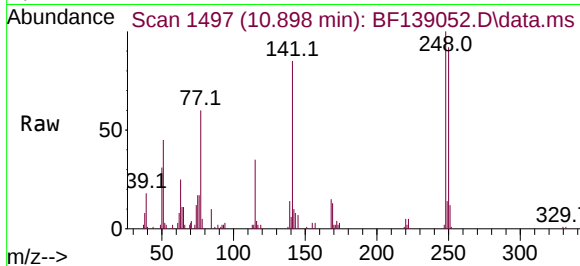




#67
4-Bromophenyl-phenylether
Concen: 9.592 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

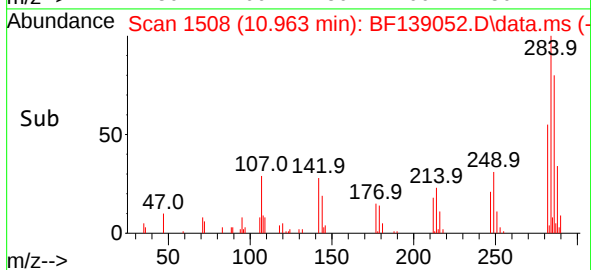
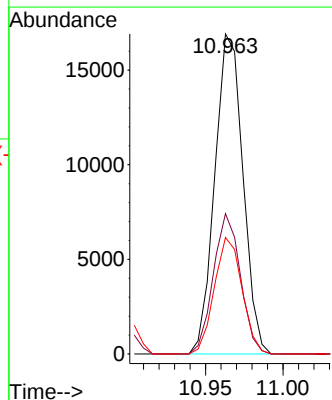
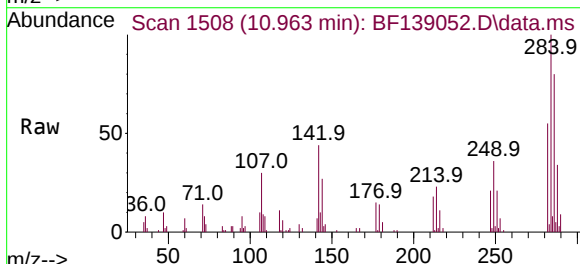
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

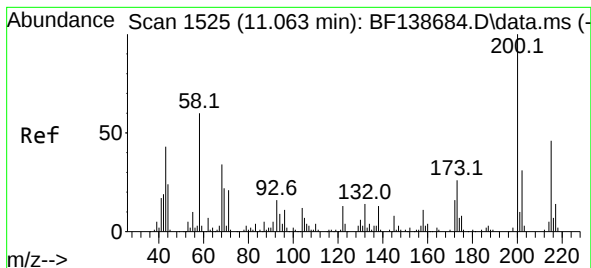
Tgt Ion:248	Resp:	21241
Ion Ratio	Lower	Upper
248	100	
250	92.2	77.7 116.5
141	85.3	68.0 102.0



#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# 11

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

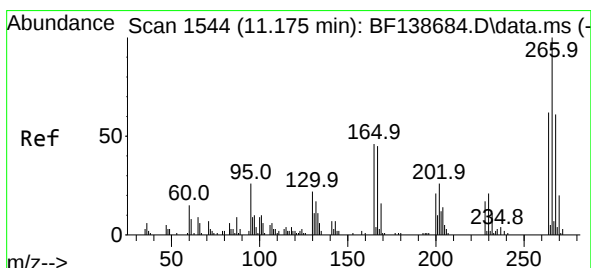
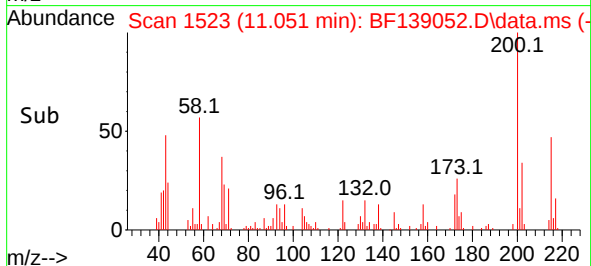
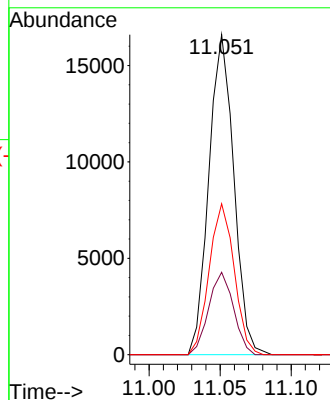
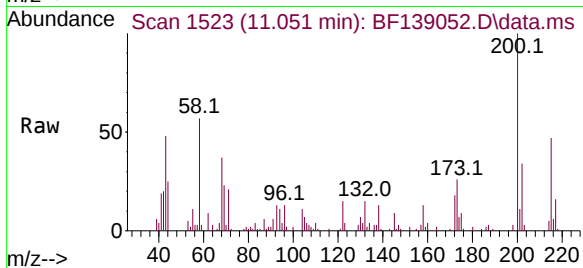
Tgt Ion:200 Resp: 20238

Ion Ratio Lower Upper

200 100

173 25.8 6.0 46.0

215 47.1 26.1 66.1



#70

Pentachlorophenol

Concen: 2.770 ng m

RT: 11.180 min Scan# 1545

Delta R.T. 0.005 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

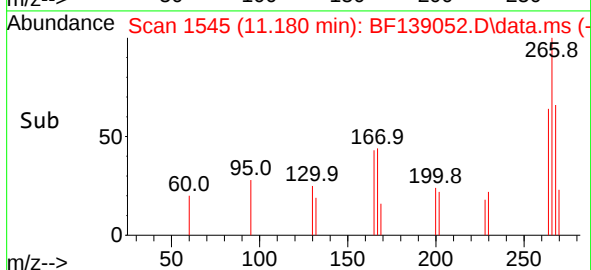
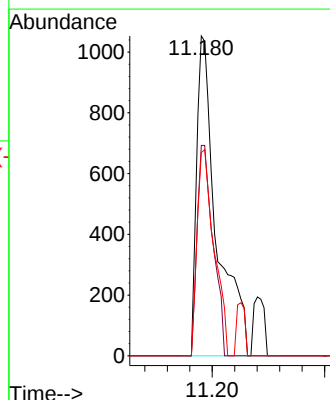
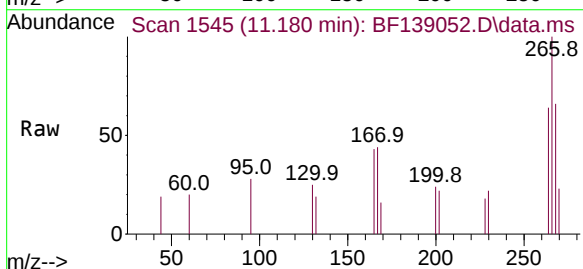
Tgt Ion:266 Resp: 2855

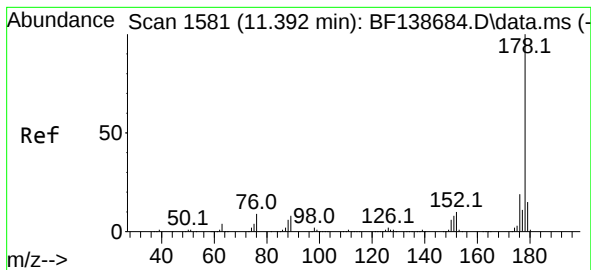
Ion Ratio Lower Upper

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

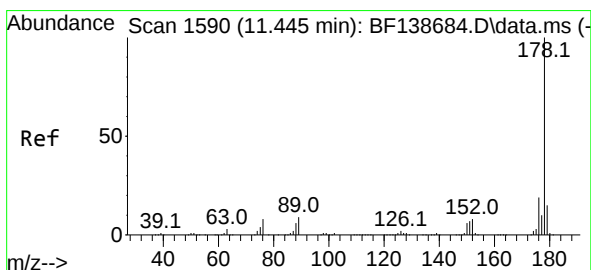
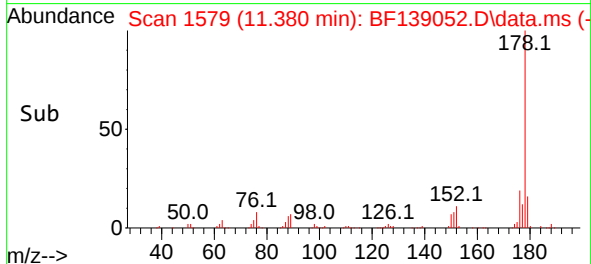
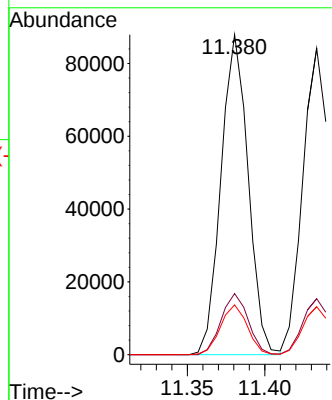
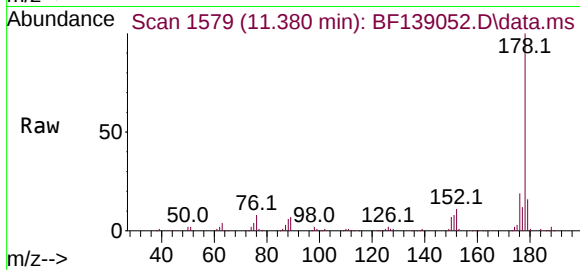
Tgt Ion:178 Resp: 107052

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

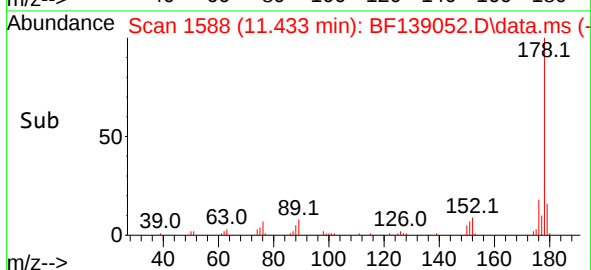
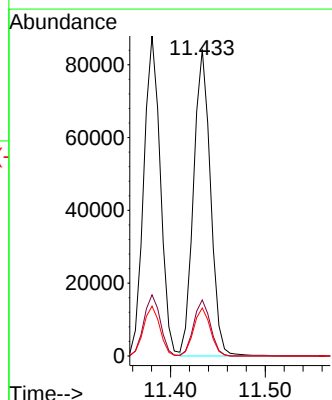
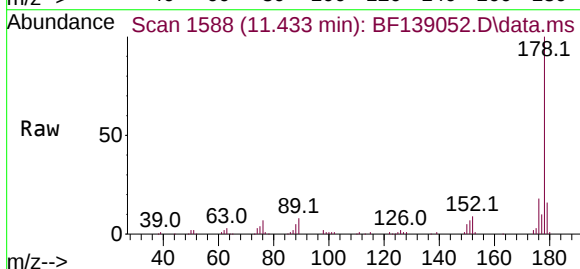
Tgt Ion:178 Resp: 104648

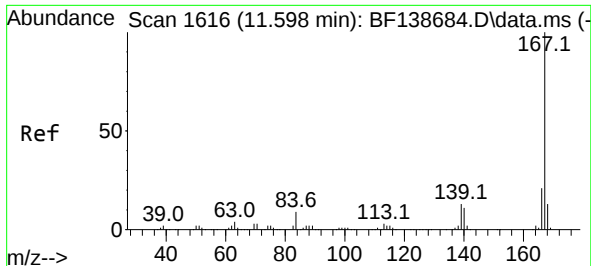
Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

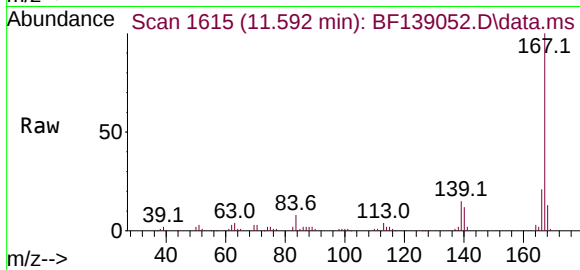
179 15.6 12.4 18.6



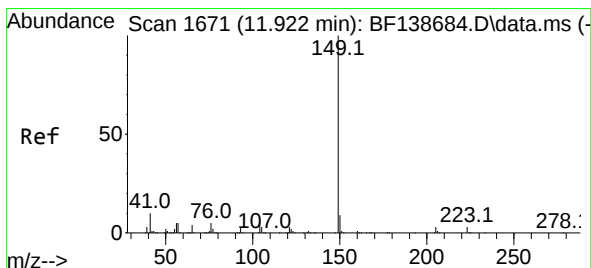
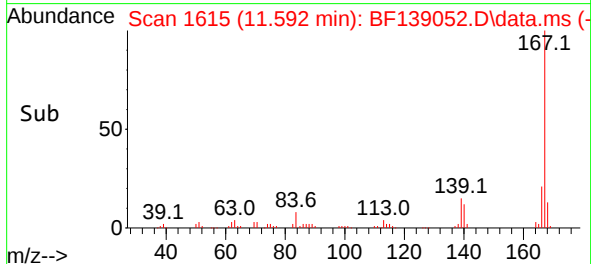
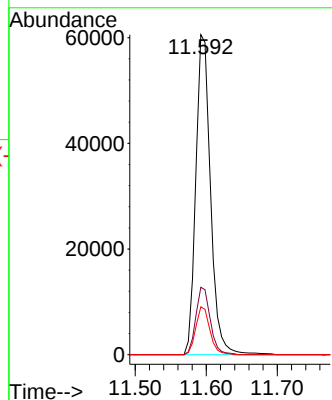


#73
Carbazole
Concen: 9.783 ng
RT: 11.592 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

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

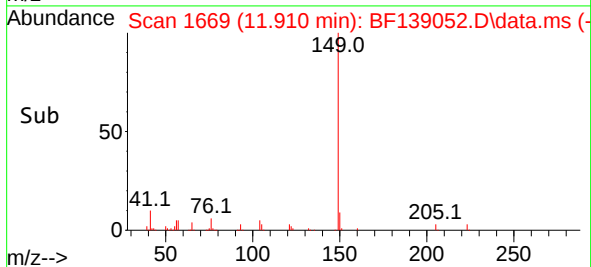
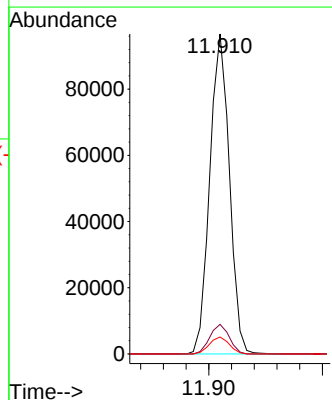
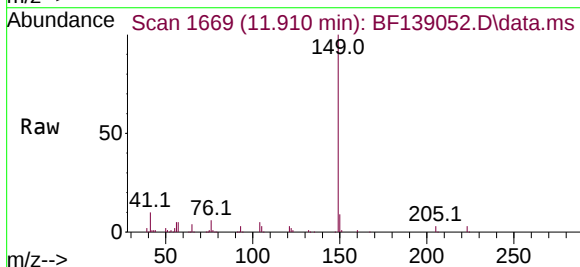


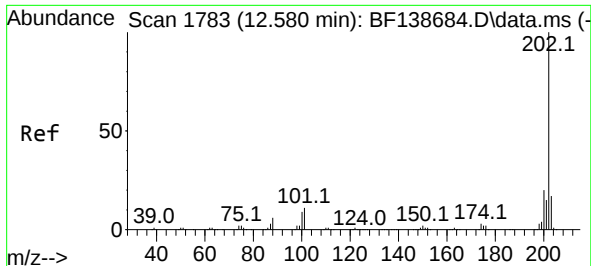
Tgt Ion:167 Resp: 87576
Ion Ratio Lower Upper
167 100
166 21.1 17.2 25.8
139 14.9 10.6 16.0



#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

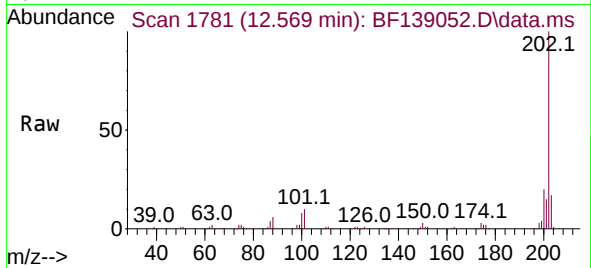
Tgt Ion:149 Resp: 115751
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.3 4.1 6.1



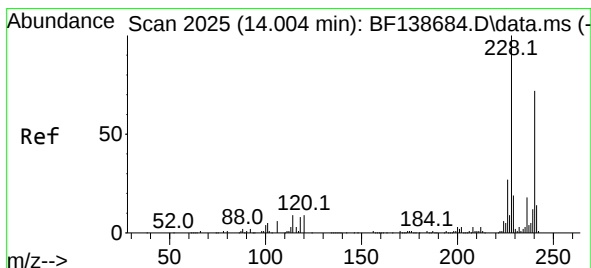
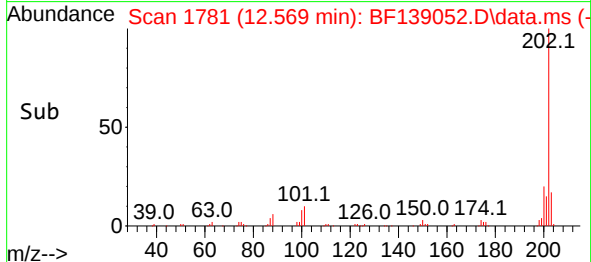
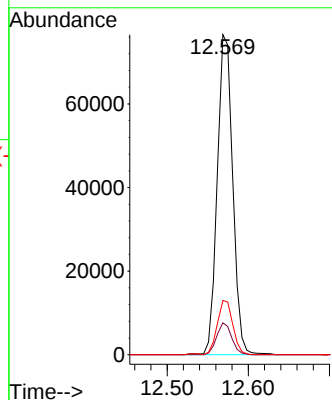


#75
Fluoranthene
Concen: 10.326 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

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

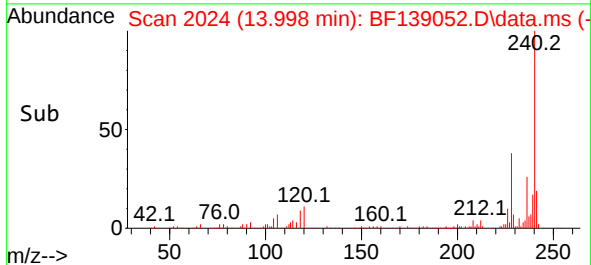
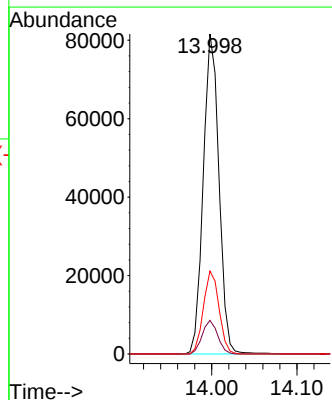
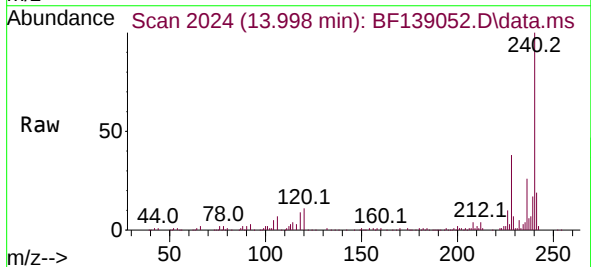


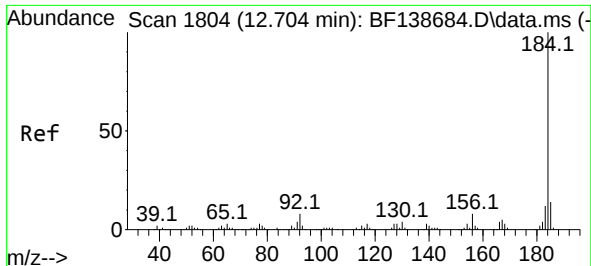
Tgt Ion:202 Resp: 101525
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.2
203 16.9 0.0 37.3



#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

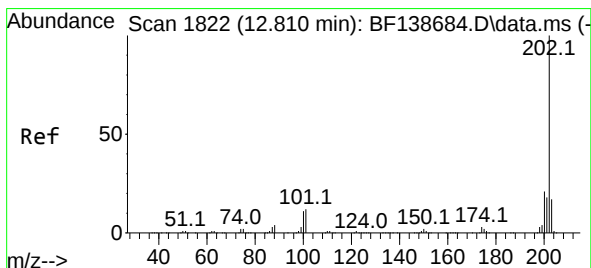
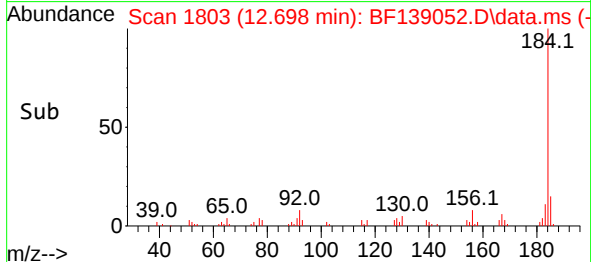
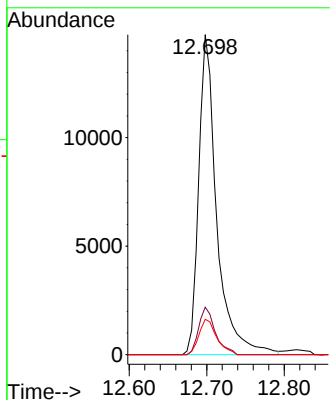
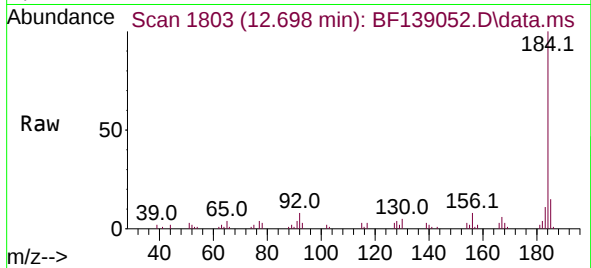




#77
Benzidine
Concen: 9.549 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

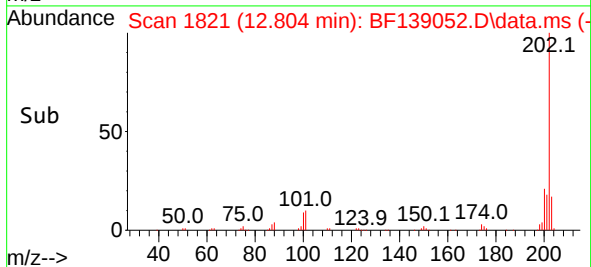
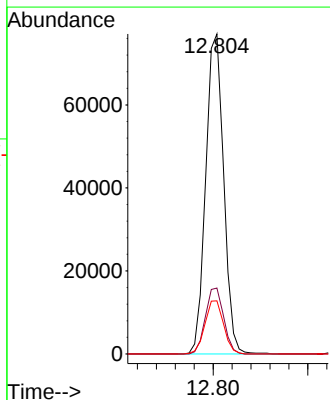
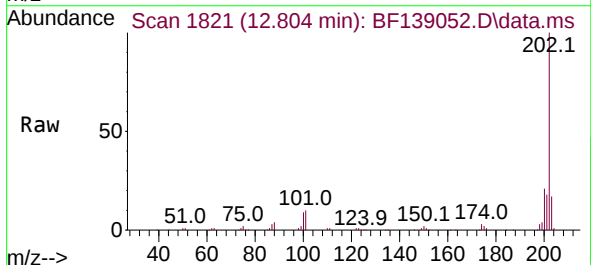
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

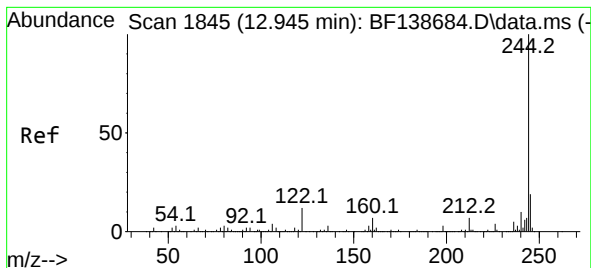
Tgt Ion:184 Resp: 23830
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 11.1 9.6 14.4



#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

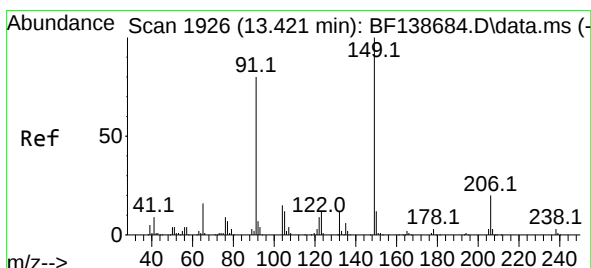
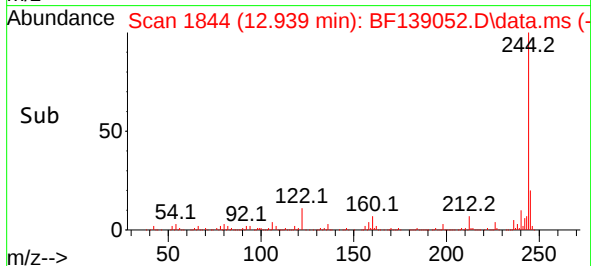
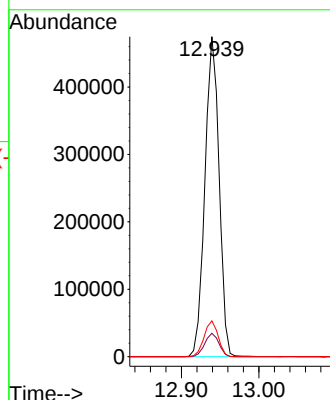
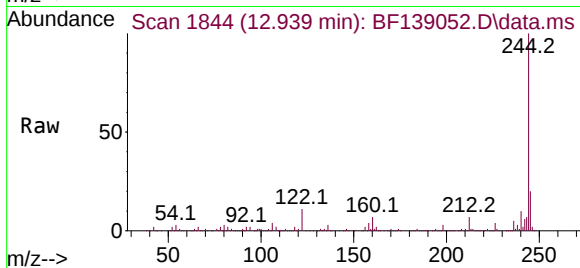
Tgt Ion:244 Resp: 603427

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

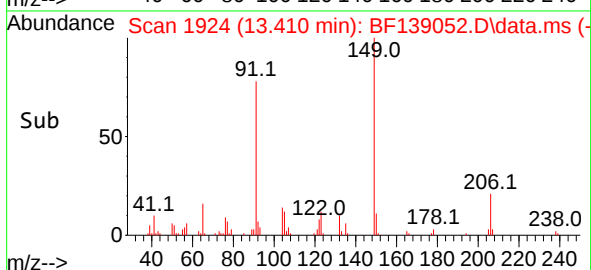
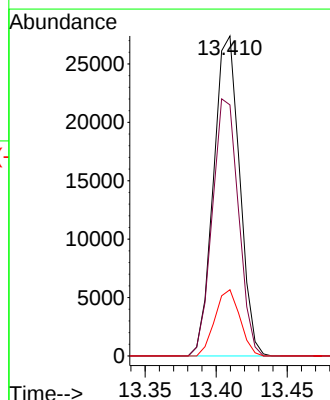
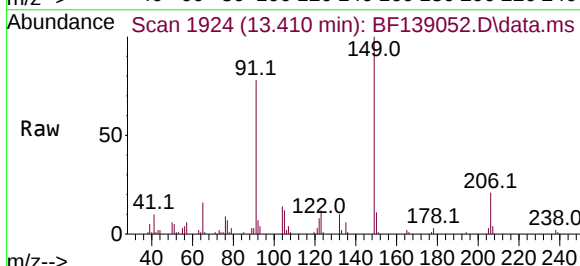
Tgt Ion:149 Resp: 34951

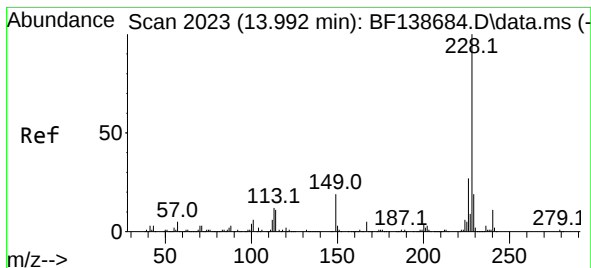
Ion Ratio Lower Upper

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

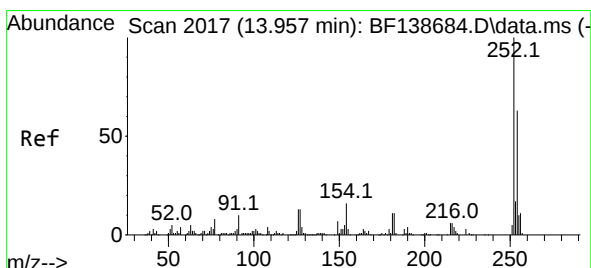
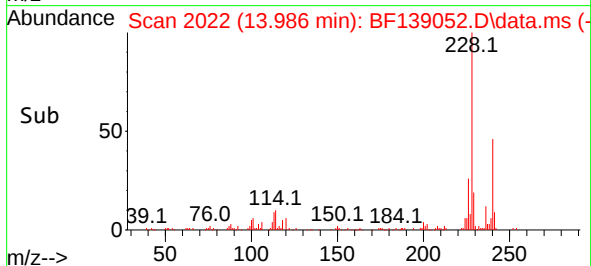
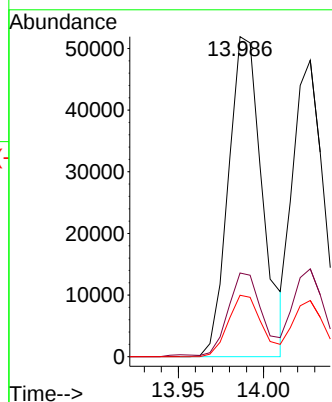
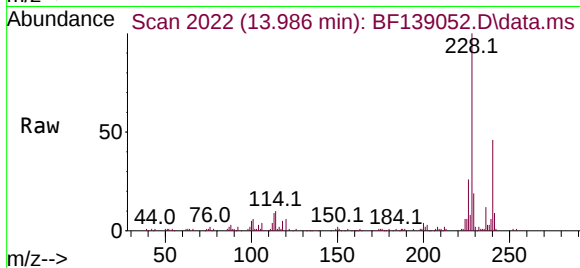
Tgt Ion:228 Resp: 71772

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

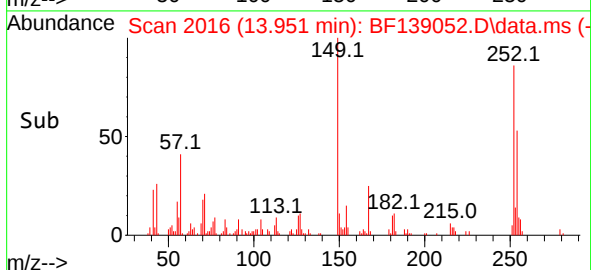
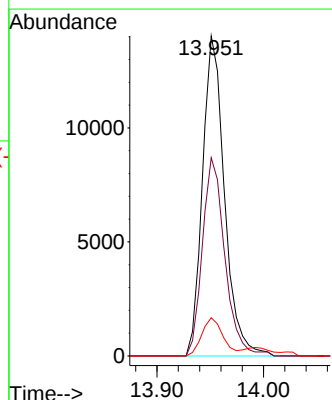
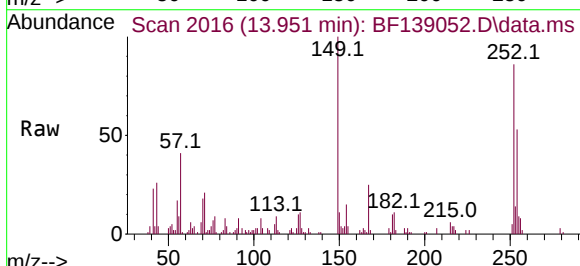
Tgt Ion:252 Resp: 20157

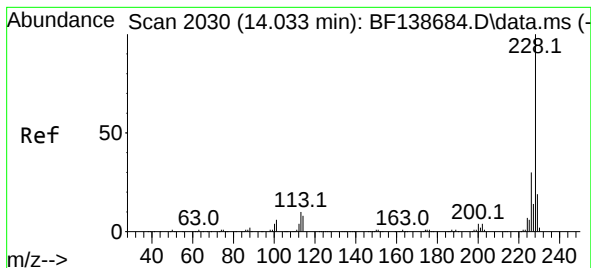
Ion Ratio Lower Upper

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

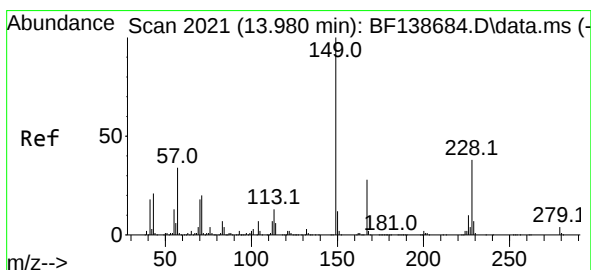
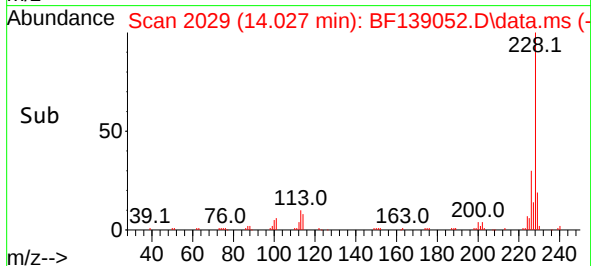
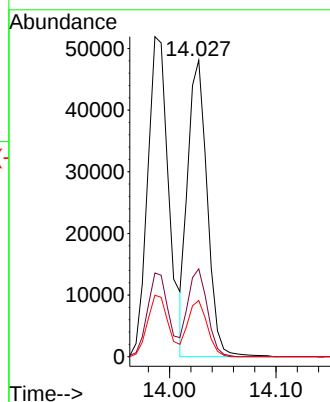
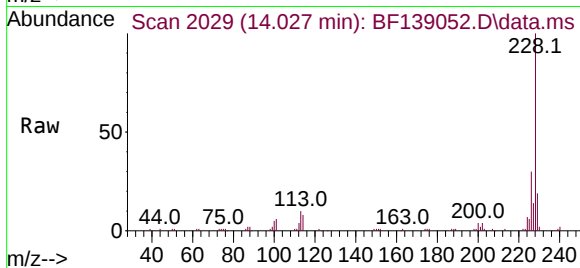
Tgt Ion:228 Resp: 60920

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

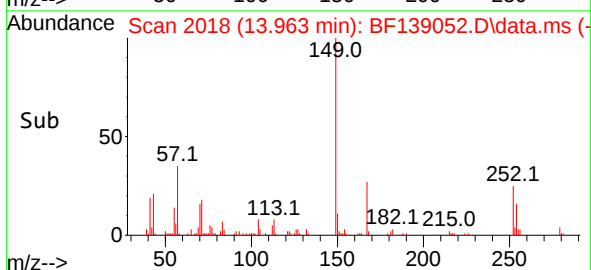
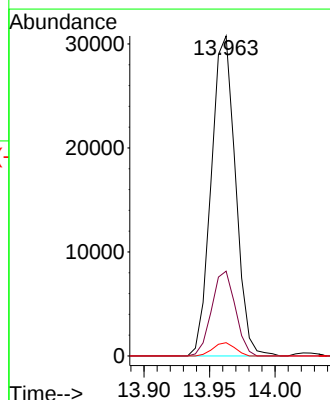
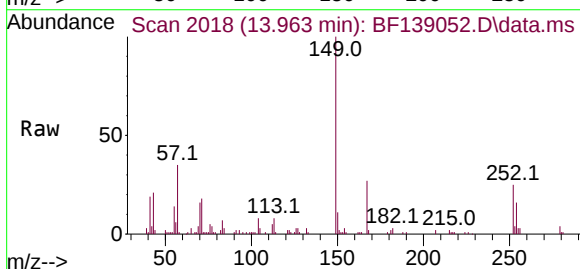
Tgt Ion:149 Resp: 39574

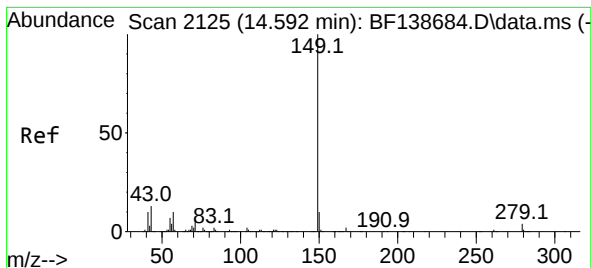
Ion Ratio Lower Upper

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

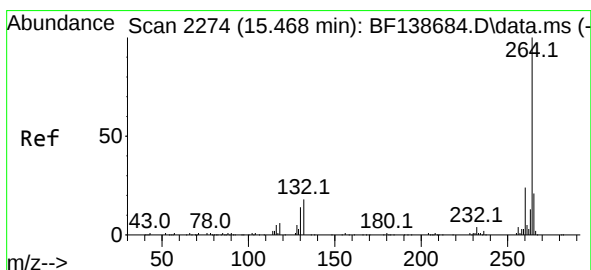
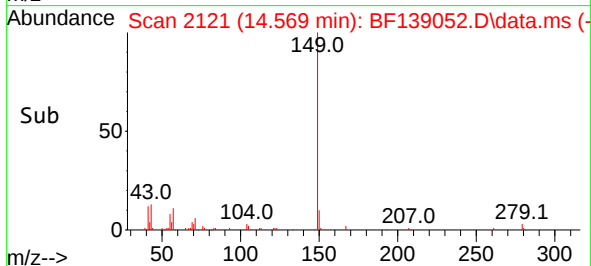
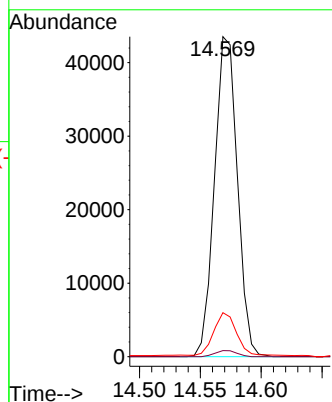
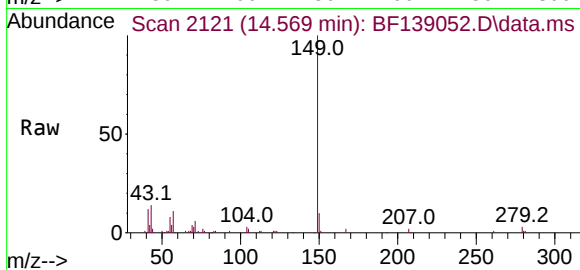
Tgt Ion:149 Resp: 56878

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

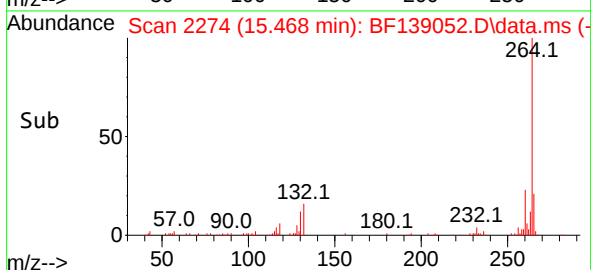
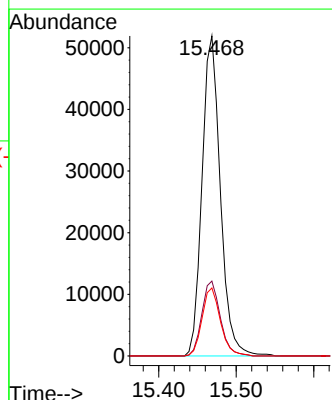
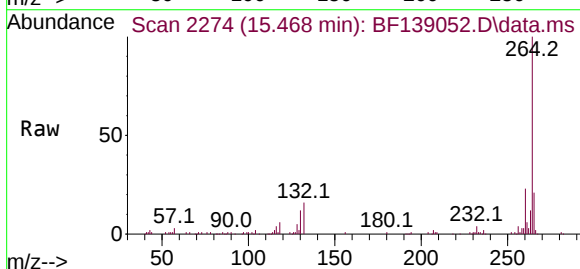
Tgt Ion:264 Resp: 85208

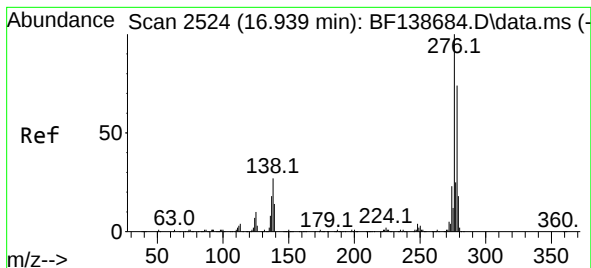
Ion Ratio Lower Upper

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

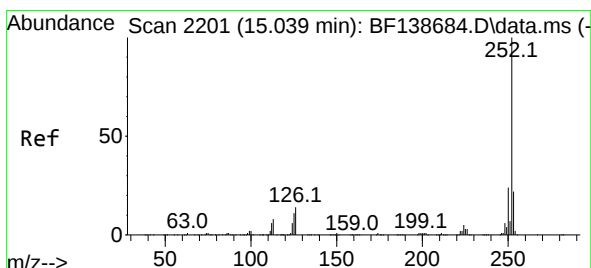
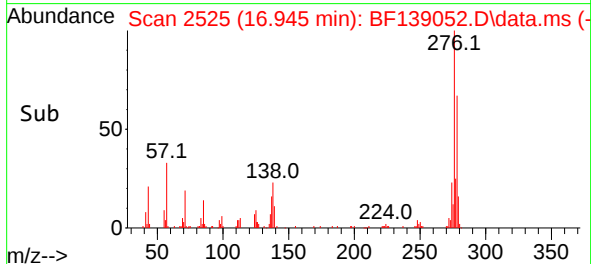
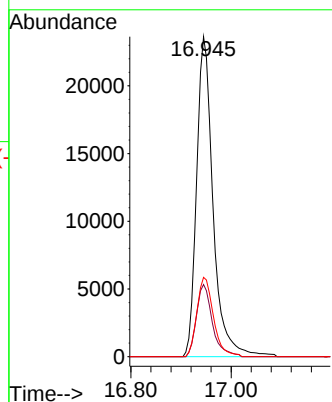
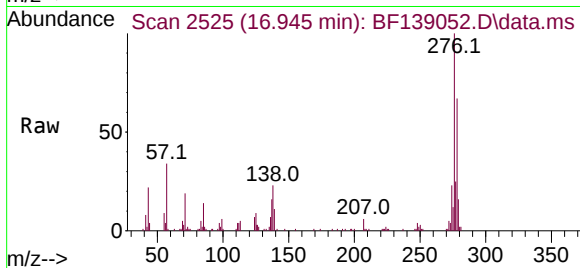
Instrument :

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: 9.377 ng m

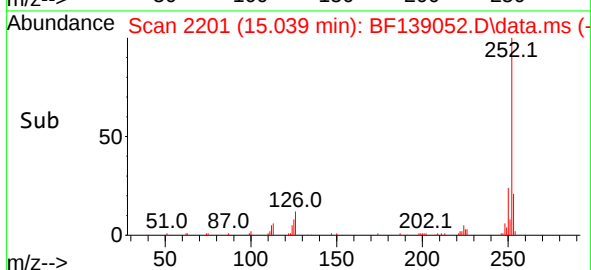
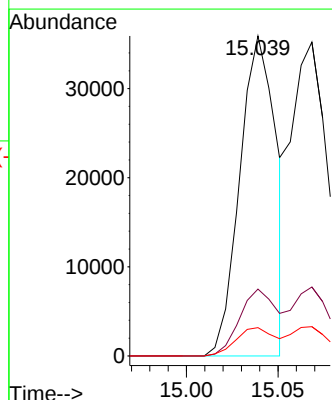
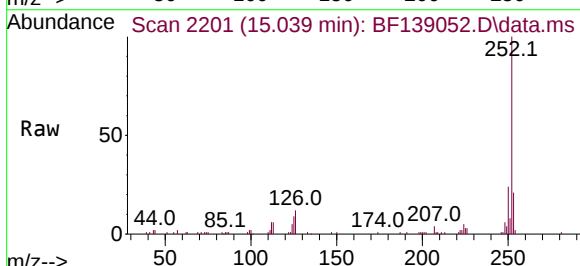
RT: 15.039 min Scan# 2201

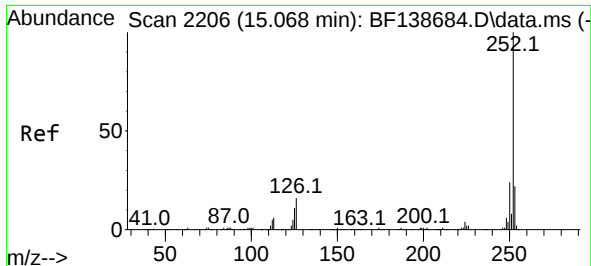
Delta R.T. 0.000 min

Lab File: BF139052.D

Acq: 16 Aug 2024 11:43

Tgt Ion:	252	Resp:	49529
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.5	26.3
125	8.9	8.9	13.3#

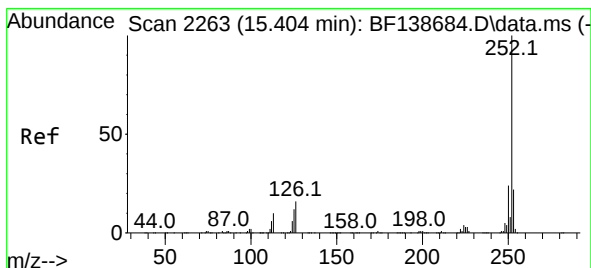
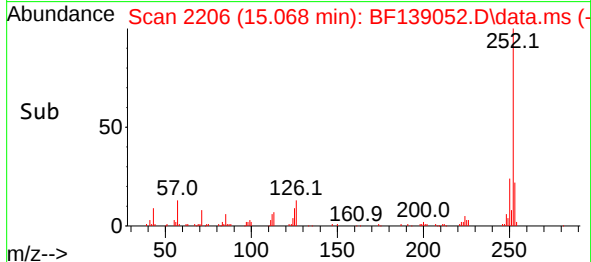
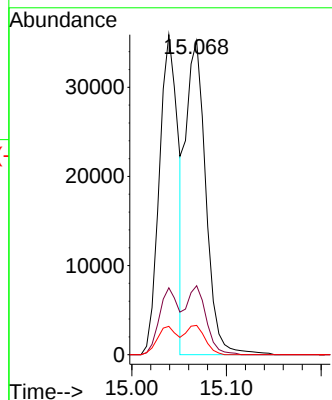
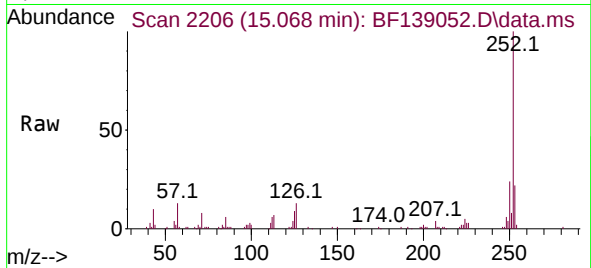




#89
Benzo(k)fluoranthene
Concen: 11.225 ng
RT: 15.068 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF139052.D
Acq: 16 Aug 2024 11:43

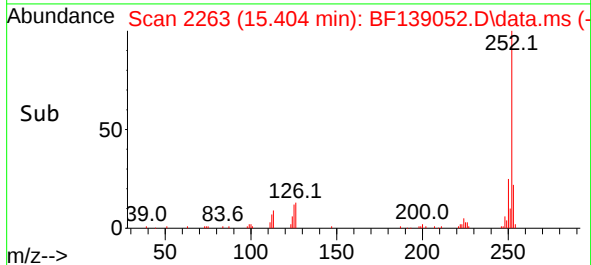
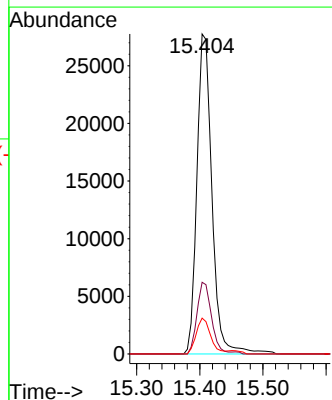
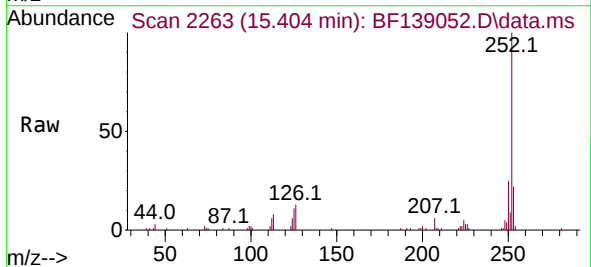
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

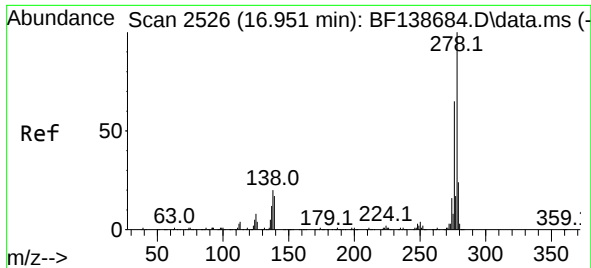
Tgt Ion:252 Resp: 51335
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 9.3 8.6 13.0



#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

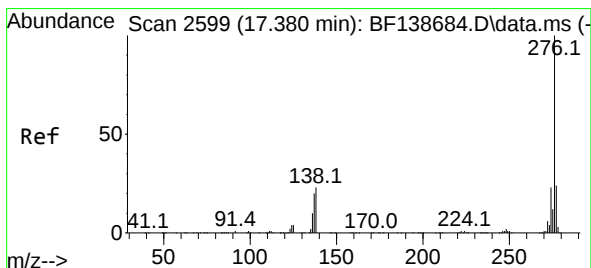
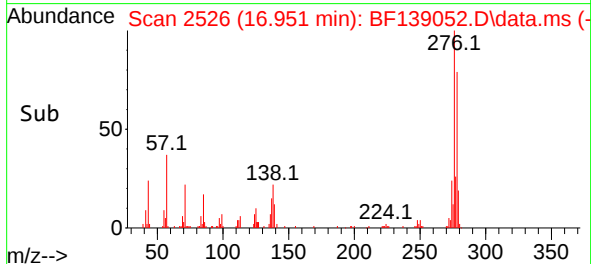
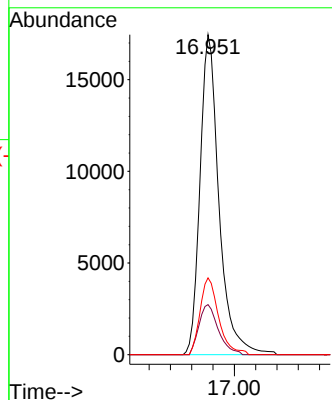
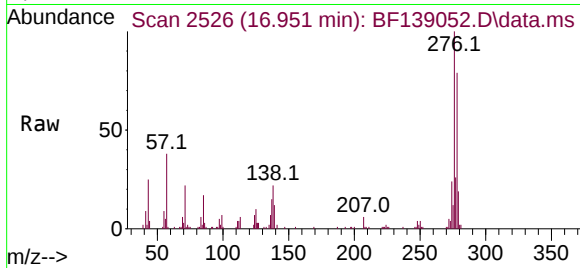




#91
 Dibenzo(a,h)anthracene
 Concen: 8.615 ng
 RT: 16.951 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF139052.D
 Acq: 16 Aug 2024 11:43

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

