

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139053.D
 Acq On : 16 Aug 2024 12:14
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 16 12:33:19 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	48160	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	193025	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	111683	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	201989	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	106531	20.000	ng	# 0.00
86) Perylene-d12	15.469	264	85586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	358168	114.802	ng	0.00
7) Phenol-d6	6.487	99	476952	113.865	ng	0.00
23) Nitrobenzene-d5	7.404	82	363713	92.125	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	114043	124.660	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	675128	90.827	ng	-0.01
79) Terphenyl-d14	12.939	244	677107	106.416	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	5995	4.389	ng	# 83
3) Pyridine	3.452	79	11364	3.434	ng	# 85
4) n-Nitrosodimethylamine	3.334	42	10241	5.197	ng	# 78
6) Aniline	6.504	93	21781	5.831	ng	# 65
8) 2-Chlorophenol	6.628	128	16895	5.147	ng	90
9) Benzaldehyde	6.399	77	14543	5.792	ng	98
10) Phenol	6.498	94	22261	5.048	ng	# 50
11) bis(2-Chloroethyl)ether	6.575	93	17691	5.213	ng	98
12) 1,3-Dichlorobenzene	6.775	146	18251	4.967	ng	96
13) 1,4-Dichlorobenzene	6.851	146	19003	5.125	ng	98
14) 1,2-Dichlorobenzene	7.004	146	17614	5.083	ng	95
15) Benzyl Alcohol	6.993	79	19906	6.594	ng	84
16) 2,2'-oxybis(1-Chloropr...	7.104	45	30039	5.143	ng	54
17) 2-Methylphenol	7.104	107	13865	5.115	ng	# 82
18) Hexachloroethane	7.340	117	7568	5.422	ng	93
19) n-Nitroso-di-n-propyla...	7.245	70	13336	5.271	ng	91
20) 3+4-Methylphenols	7.269	107	17966	5.166	ng	# 55
22) Acetophenone	7.251	105	26468	5.600	ng	# 93
24) Nitrobenzene	7.422	77	22073	5.494	ng	99
25) Isophorone	7.657	82	36897	5.473	ng	98
26) 2-Nitrophenol	7.745	139	8645	5.002	ng	92
27) 2,4-Dimethylphenol	7.787	122	10368	5.014	ng	98
28) bis(2-Chloroethoxy)met...	7.869	93	20755	5.056	ng	99
29) 2,4-Dichlorophenol	8.004	162	13715	5.161	ng	99
30) 1,2,4-Trichlorobenzene	8.057	180	15503	5.055	ng	99
31) Naphthalene	8.140	128	53038	5.220	ng	100
33) 4-Chloroaniline	8.198	127	18826	5.520	ng	96
34) Hexachlorobutadiene	8.245	225	9858	5.307	ng	99
35) Caprolactam	8.540	113	4282	5.400	ng	91
36) 4-Chloro-3-methylphenol	8.687	107	16624	5.474	ng	98
37) 2-Methylnaphthalene	8.828	142	33837	5.273	ng	100
38) 1-Methylnaphthalene	8.928	142	31856	5.066	ng	96
40) 1,2,4,5-Tetrachloroben...	8.992	216	16212	5.226	ng	99
43) 2,4,6-Trichlorophenol	9.122	196	8733	4.617	ng	96
44) 2,4,5-Trichlorophenol	9.175	196	9990	4.831	ng	# 90
46) 1,1'-Biphenyl	9.287	154	47383	5.417	ng	99

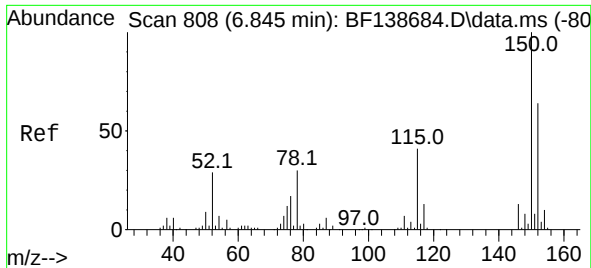
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.316	162	32421	4.984	ng	98
48) 2-Nitroaniline	9.428	65	11259	5.105	ng	97
49) Acenaphthylene	9.728	152	50888	5.515	ng	98
50) Dimethylphthalate	9.587	163	40638	5.691	ng	99
51) 2,6-Dinitrotoluene	9.657	165	8227	5.105	ng	# 76
52) Acenaphthene	9.898	154	32267	5.203	ng	100
53) 3-Nitroaniline	9.839	138	8885	5.333	ng	97
55) Dibenzofuran	10.075	168	48771	5.571	ng	96
56) 4-Nitrophenol	10.075	139	22807	22.764	ng	# 7
57) 2,4-Dinitrotoluene	10.075	165	10742	5.224	ng	# 66
58) Fluorene	10.416	166	37712	5.409	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.204	232	7104	4.494	ng	# 98
60) Diethylphthalate	10.281	149	40837	6.031	ng	98
61) 4-Chlorophenyl-phenyle...	10.404	204	18821	5.489	ng	96
62) 4-Nitroaniline	10.451	138	7351	4.643	ng	83
63) Azobenzene	10.569	77	42339	5.638	ng	96
65) 4,6-Dinitro-2-methylph...	10.492	198	4083	3.313	ng	86
66) n-Nitrosodiphenylamine	10.528	169	32047	5.076	ng	95
67) 4-Bromophenyl-phenylether	10.898	248	10830	4.952	ng	97
68) Hexachlorobenzene	10.963	284	11117	4.923	ng	94
69) Atrazine	11.051	200	10320	6.335	ng	96
71) Phenanthrene	11.381	178	56395	5.422	ng	99
72) Anthracene	11.433	178	55287	5.396	ng	99
73) Carbazole	11.598	167	47534	5.377	ng	99
74) Di-n-butylphthalate	11.910	149	59776	6.015	ng	98
75) Fluoranthene	12.575	202	53073	5.466	ng	96
77) Benzidine	12.698	184	13666	5.363	ng	# 95
78) Pyrene	12.804	202	54930	5.476	ng	99
80) Butylbenzylphthalate	13.410	149	19607	6.104	ng	92
81) Benzo(a)anthracene	13.992	228	39274	5.354	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	10458	5.571	ng	# 97
83) Chrysene	14.027	228	33243	5.023	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	20710	4.403	ng	97
85) Di-n-octyl phthalate	14.574	149	28400	3.264	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.951	276	26731	4.358	ng	95
88) Benzo(b)fluoranthene	15.039	252	28521	5.376	ng	98
89) Benzo(k)fluoranthene	15.069	252	24435	5.319	ng	98
90) Benzo(a)pyrene	15.410	252	24769	5.550	ng	98
91) Dibenzo(a,h)anthracene	16.957	278	21468	4.264	ng	98
92) Benzo(g,h,i)perylene	17.404	276	21038	4.027	ng	94

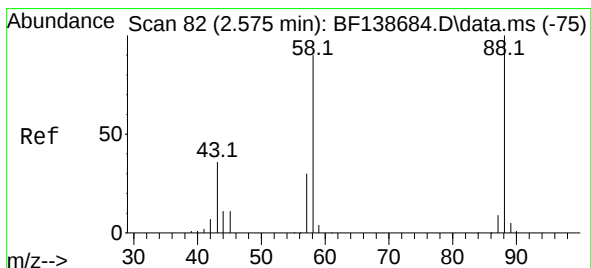
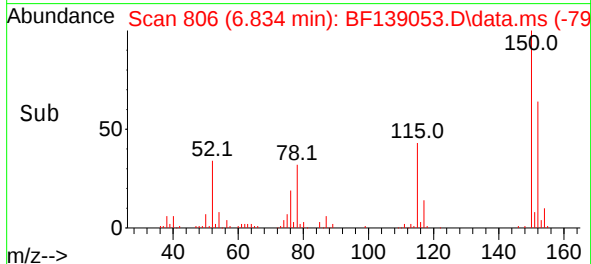
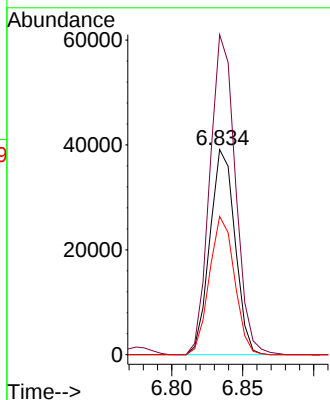
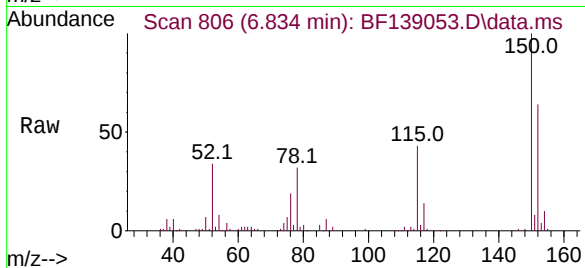
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

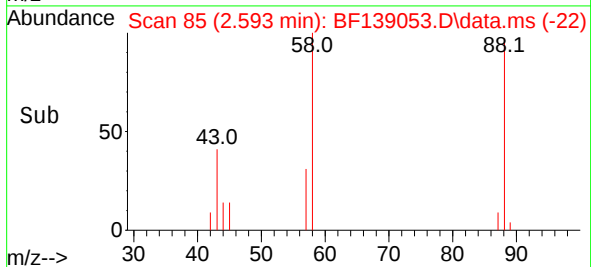
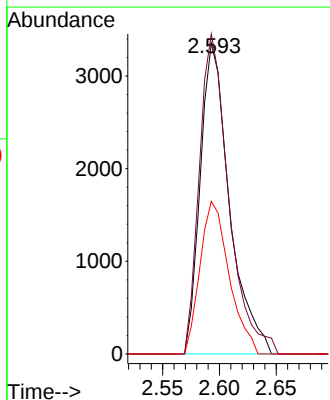
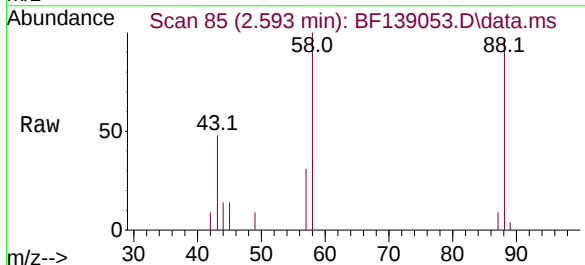
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

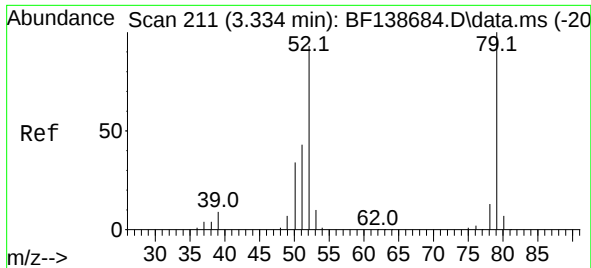
Tgt Ion:152 Resp: 48160
Ion Ratio Lower Upper
152 100
150 155.9 126.0 189.0
115 67.4 51.7 77.5



#2
1,4-Dioxane
Concen: 4.389 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion: 88 Resp: 5995
Ion Ratio Lower Upper
88 100
58 103.5 71.6 107.4
43 49.0 28.7 43.1#





#3

Pyridine

Concen: 3.434 ng

RT: 3.452 min Scan# 211

Delta R.T. 0.118 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

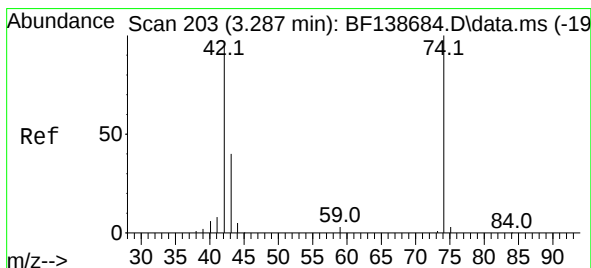
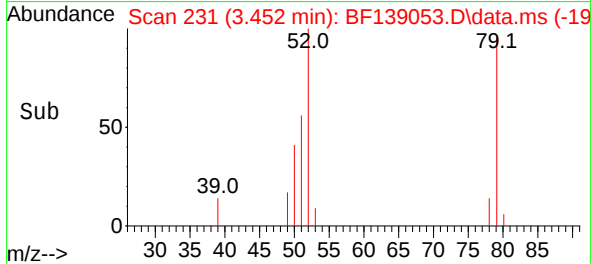
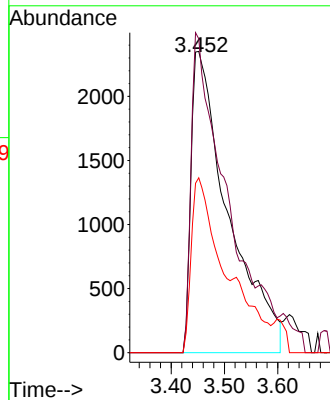
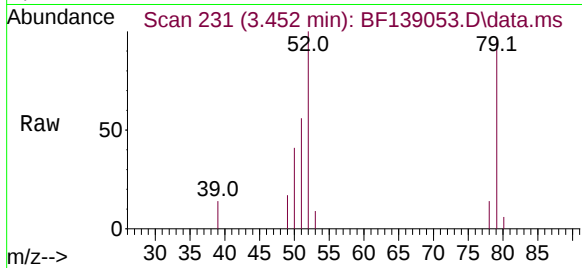
Tgt Ion: 79 Resp: 11364

Ion Ratio Lower Upper

79 100

52 104.2 74.7 112.1

51 58.0 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 5.197 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.047 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

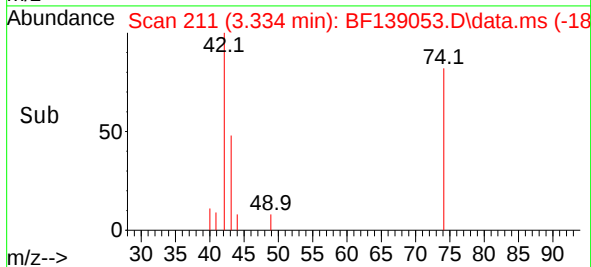
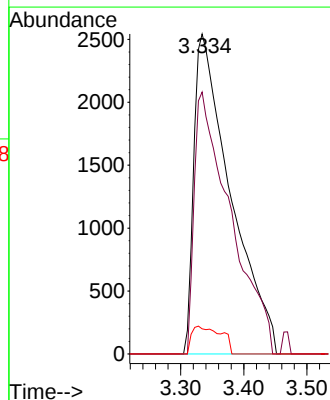
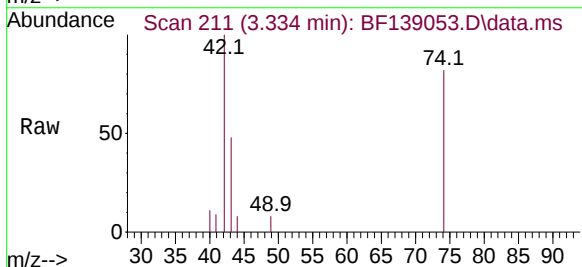
Tgt Ion: 42 Resp: 10241

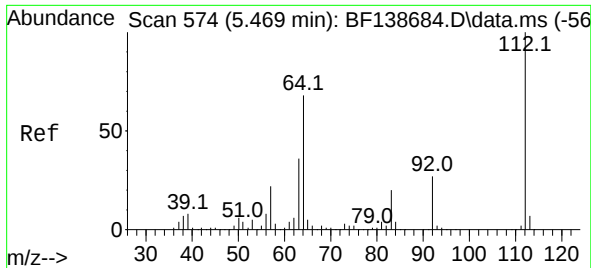
Ion Ratio Lower Upper

42 100

74 81.9 84.2 126.4#

44 7.9 4.9 7.3#

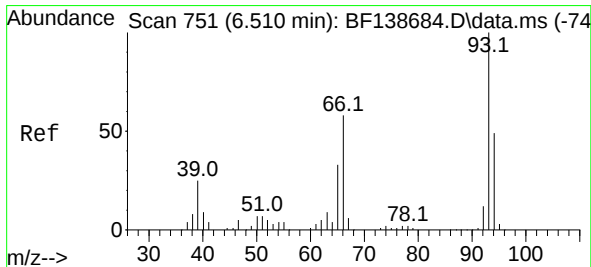
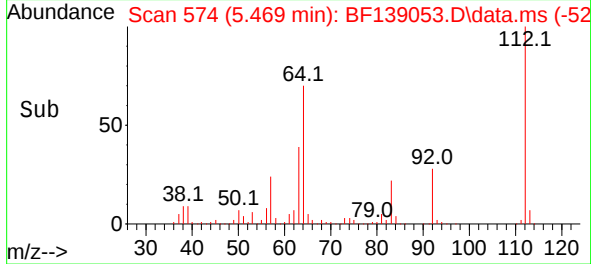
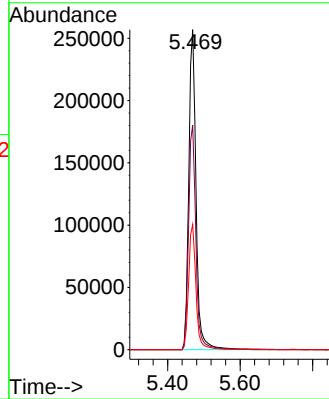
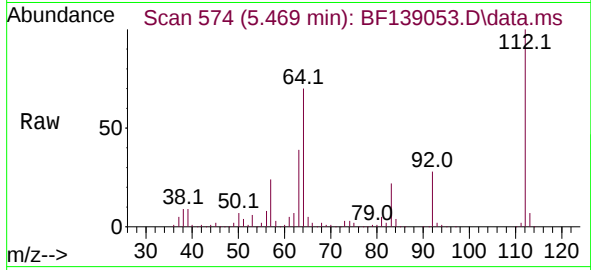




#5
2-Fluorophenol
Concen: 114.802 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

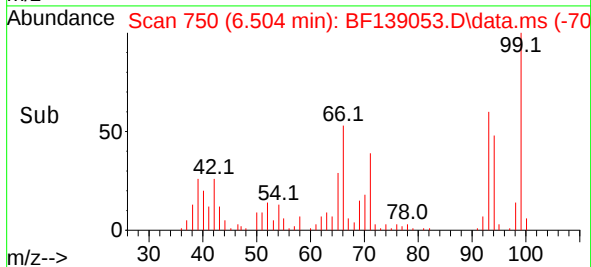
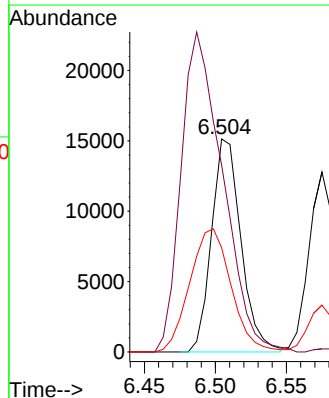
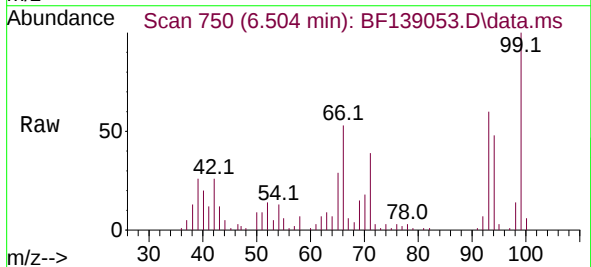
Instrument :
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LOQ-SOIL-02-QT3-2024

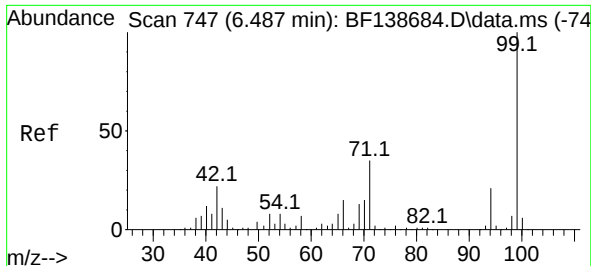
Tgt Ion:112 Resp: 358168
Ion Ratio Lower Upper
112 100
64 70.2 54.2 81.4
63 39.1 28.7 43.1



#6
Aniline
Concen: 5.831 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion: 93 Resp: 21781
Ion Ratio Lower Upper
93 100
66 87.7 46.9 70.3#
65 48.9 26.5 39.7#





#7

Phenol-d6

Concen: 113.865 ng

RT: 6.487 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

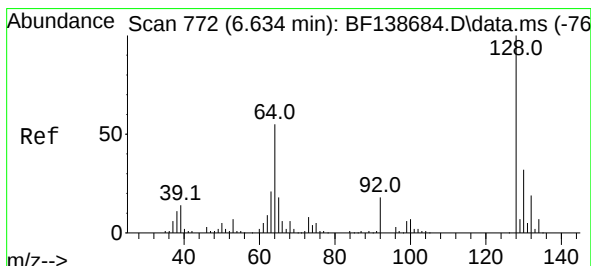
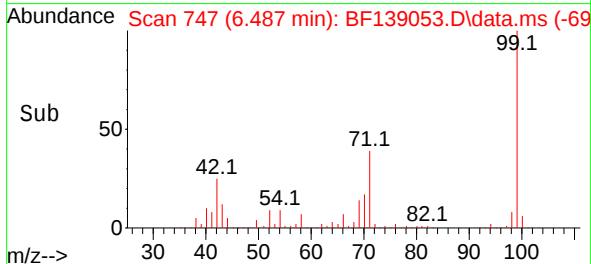
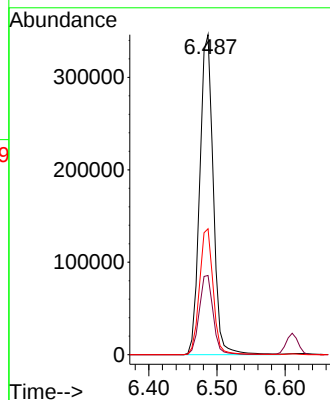
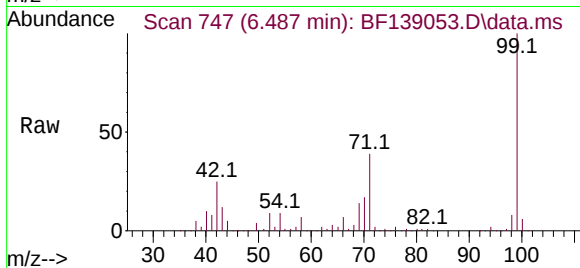
Tgt Ion: 99 Resp: 476952

Ion Ratio Lower Upper

99 100

42 24.8 17.4 26.0

71 39.3 28.1 42.1



#8

2-Chlorophenol

Concen: 5.147 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

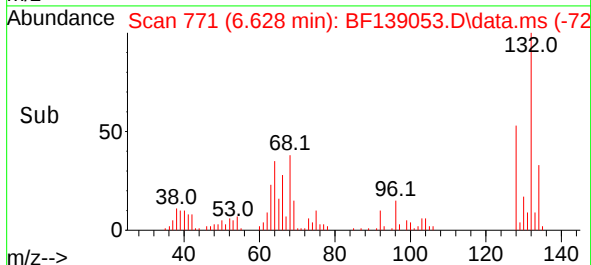
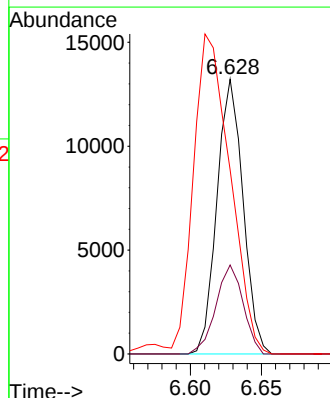
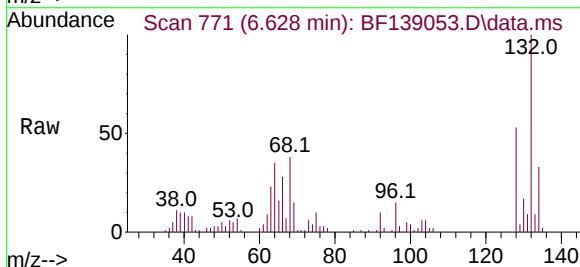
Tgt Ion: 128 Resp: 16895

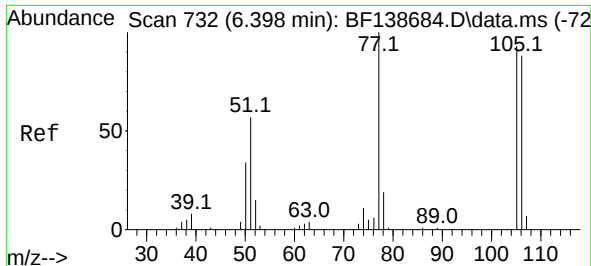
Ion Ratio Lower Upper

128 100

130 32.4 12.0 52.0

64 67.0 36.3 76.3





#9

Benzaldehyde

Concen: 5.792 ng

RT: 6.399 min Scan# 749

Delta R.T. 0.001 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

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ClientSampleId :

LOQ-SOIL-02-QT3-2024

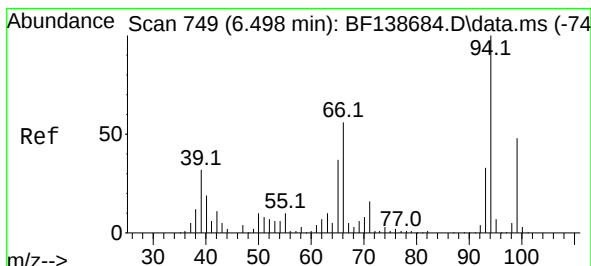
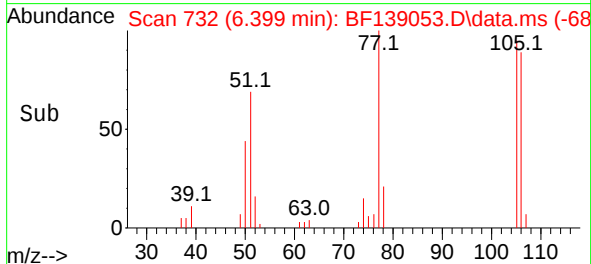
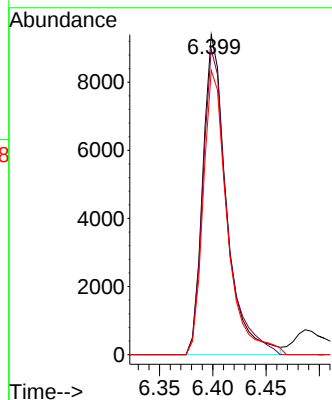
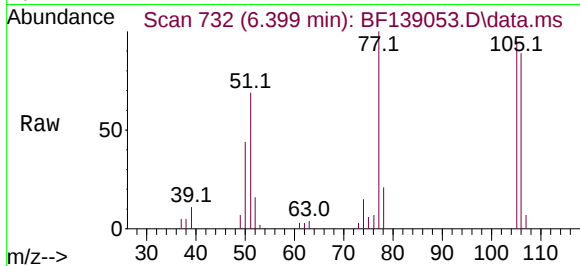
Tgt Ion: 77 Resp: 14543

Ion Ratio Lower Upper

77 100

105 95.5 72.9 112.9

106 88.8 68.4 108.4



#10

Phenol

Concen: 5.048 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

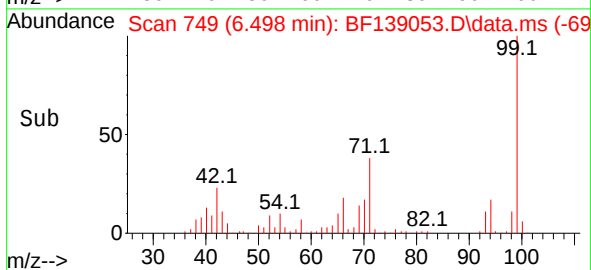
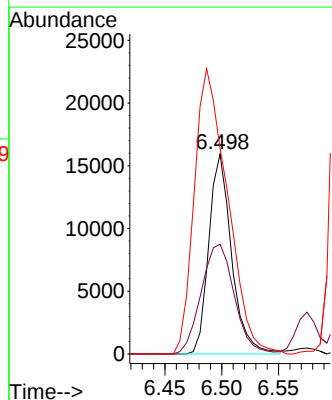
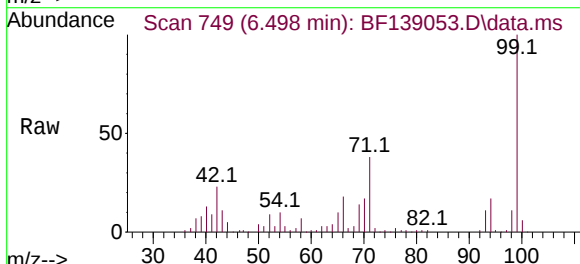
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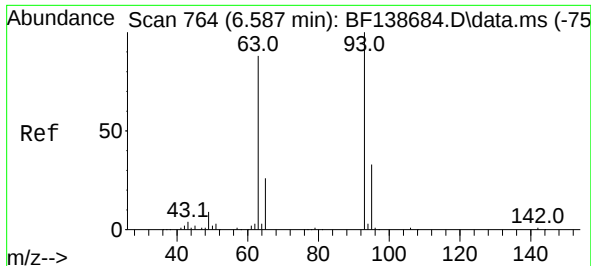
Ion Ratio Lower Upper

94 100

65 54.9 16.9 56.9

66 102.9 36.5 76.5#





#11

bis(2-Chloroethyl)ether

Concen: 5.213 ng

RT: 6.575 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

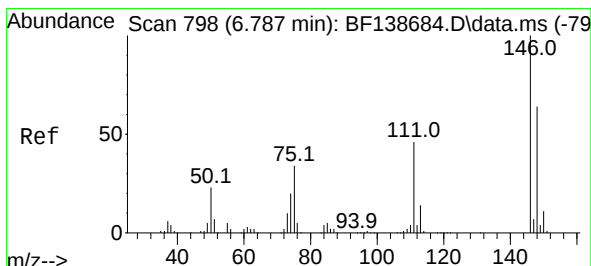
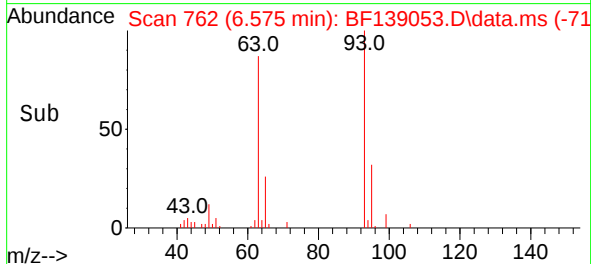
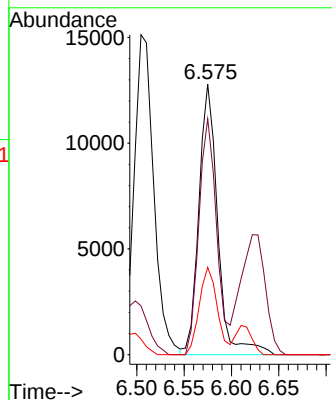
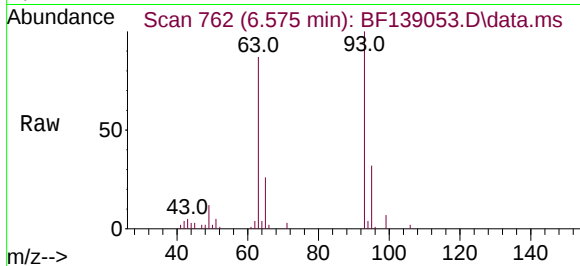
Tgt Ion: 93 Resp: 17691

Ion Ratio Lower Upper

93 100

63 87.2 65.3 105.3

95 32.3 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 4.967 ng

RT: 6.775 min Scan# 796

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

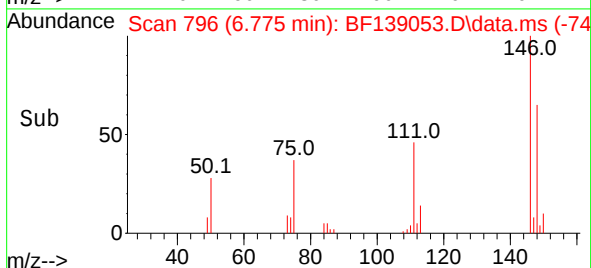
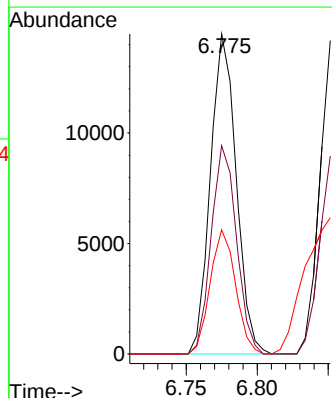
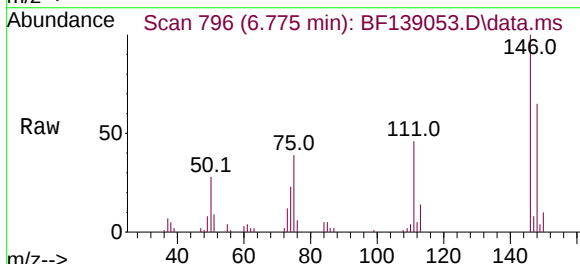
Tgt Ion:146 Resp: 18251

Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

75 38.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.125 ng

RT: 6.851 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

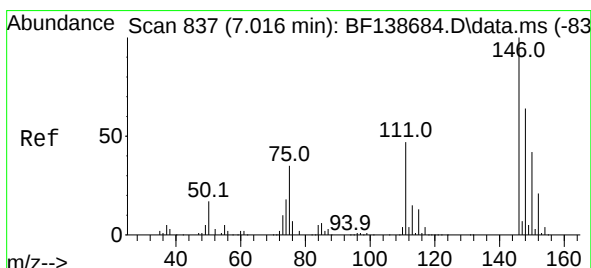
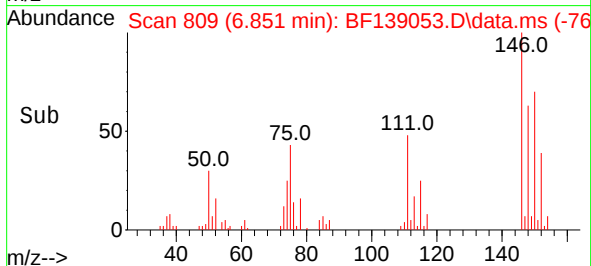
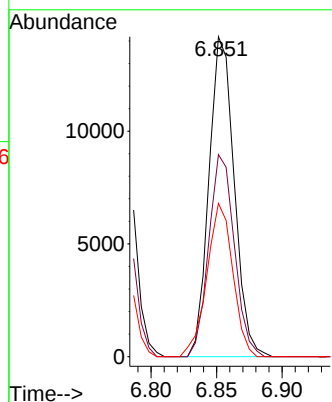
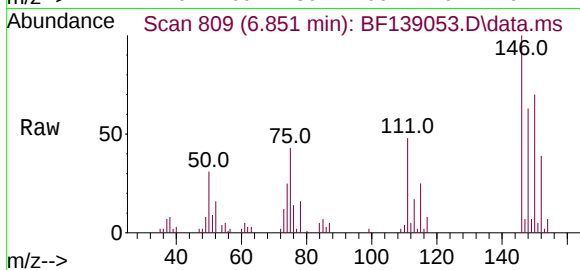
Tgt Ion:146 Resp: 19003

Ion Ratio Lower Upper

146 100

148 63.2 50.2 75.2

111 47.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 5.083 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

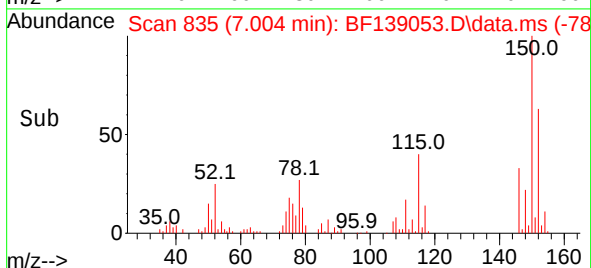
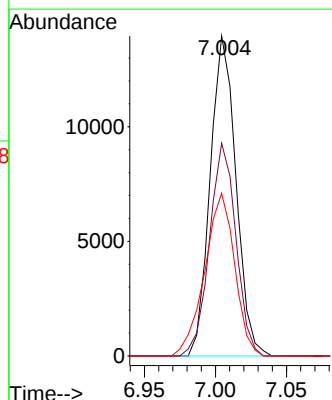
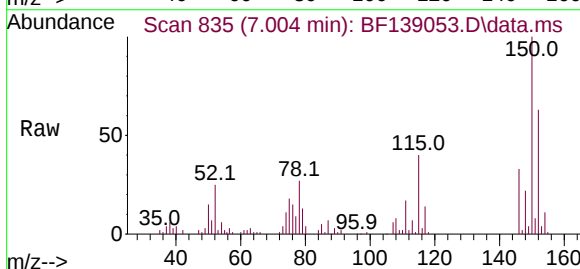
Tgt Ion:146 Resp: 17614

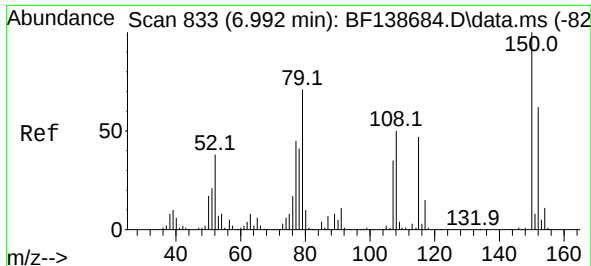
Ion Ratio Lower Upper

146 100

148 66.5 50.8 76.2

111 50.8 37.4 56.2

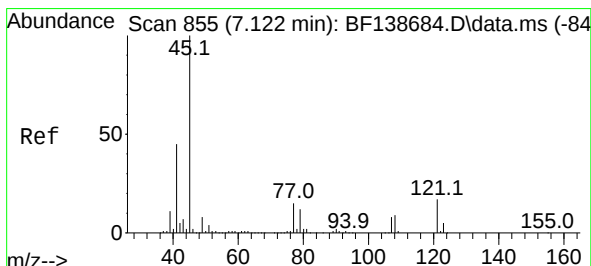
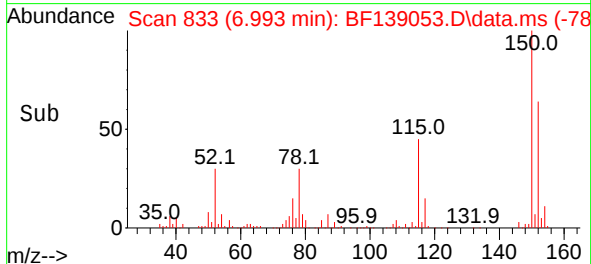
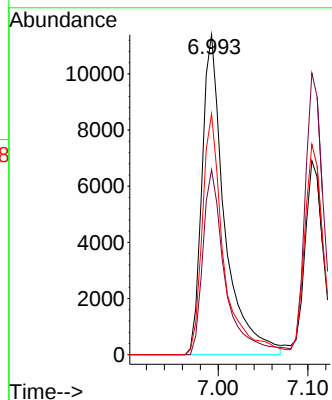
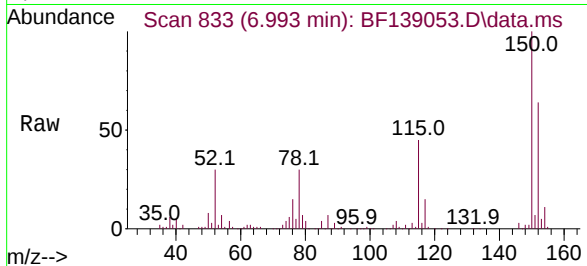




#15
Benzyl Alcohol
Concen: 6.594 ng
RT: 6.993 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

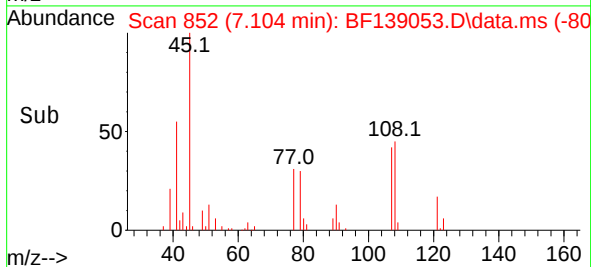
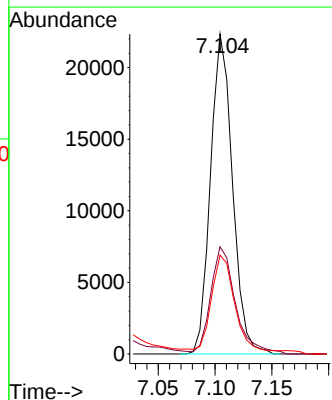
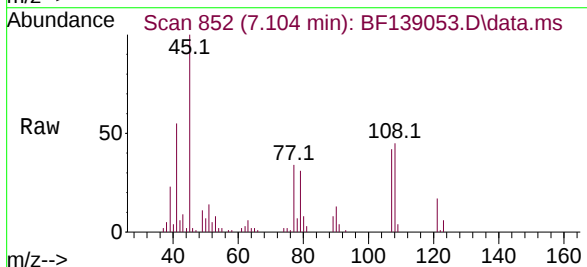
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

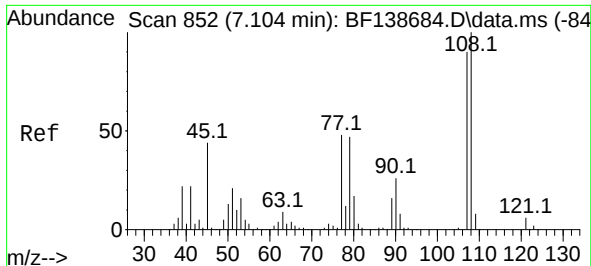
Tgt Ion: 79 Resp: 19906
Ion Ratio Lower Upper
79 100
108 57.8 56.6 85.0
77 75.3 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.143 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion: 45 Resp: 30039
Ion Ratio Lower Upper
45 100
77 33.5 0.0 34.9
79 30.9 0.0 32.2

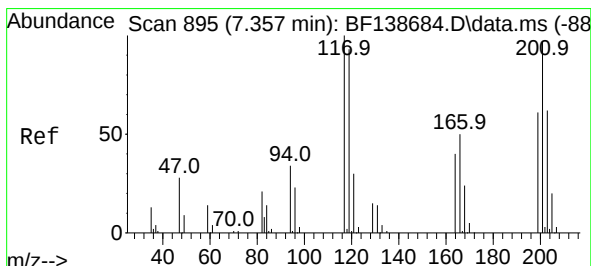
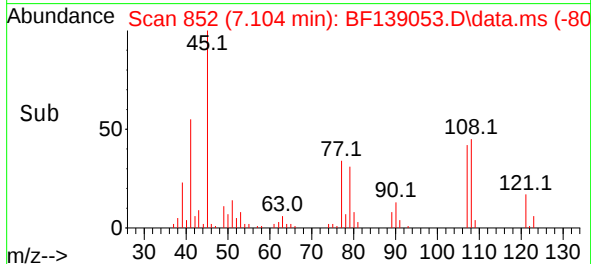
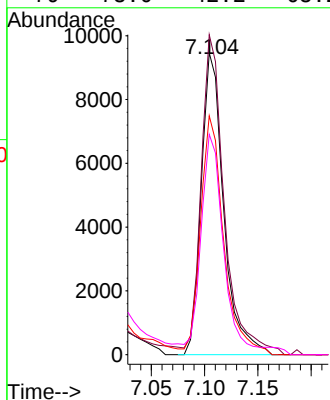
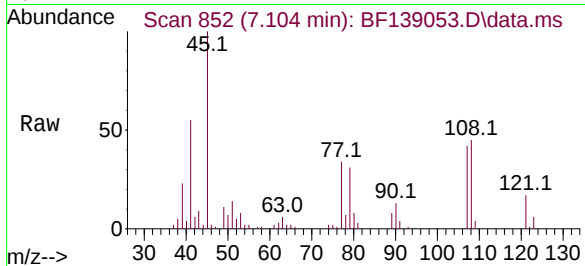




#17
2-Methylphenol
Concen: 5.115 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

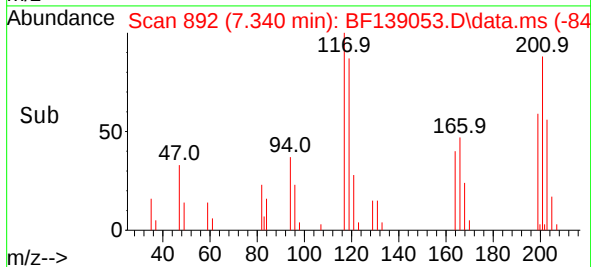
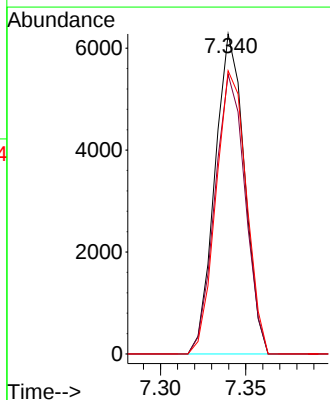
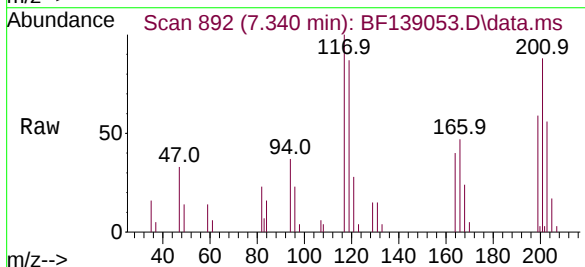
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:	107	Resp:	13865
Ion	Ratio	Lower	Upper
107	100		
108	106.0	89.2	133.8
77	79.1	43.0	64.4#
79	73.0	42.2	63.2#



#18
Hexachloroethane
Concen: 5.422 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:	117	Resp:	7568
Ion	Ratio	Lower	Upper
117	100		
119	87.4	74.6	111.8
201	88.5	77.2	115.8





#19

n-Nitroso-di-n-propylamine

Concen: 5.271 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139053.D

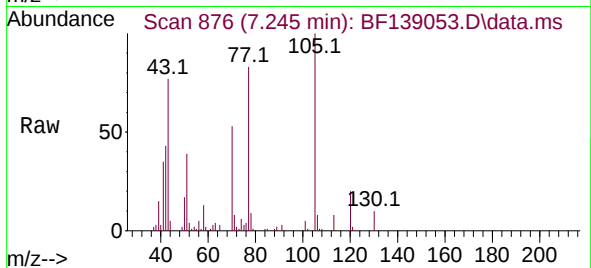
Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 13336

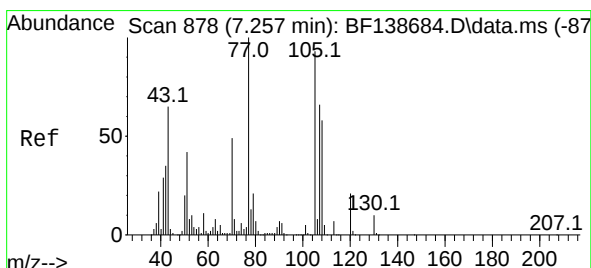
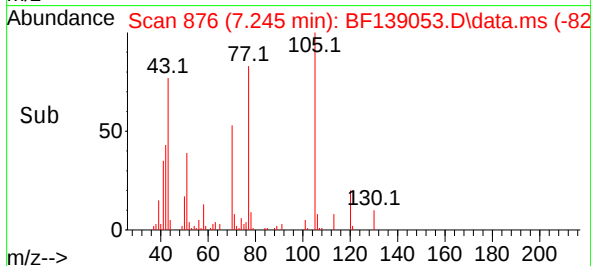
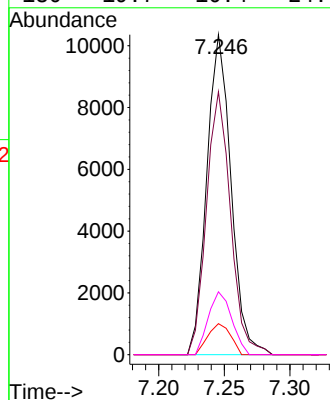
Ion Ratio Lower Upper

70 100

42 82.1 57.4 86.0

101 9.7 7.5 11.3

130 19.7 16.4 24.6



#20

3+4-Methylphenols

Concen: 5.166 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:107 Resp: 17966

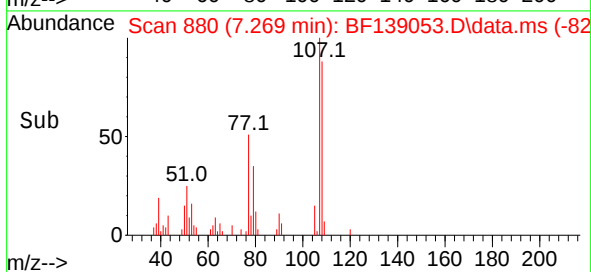
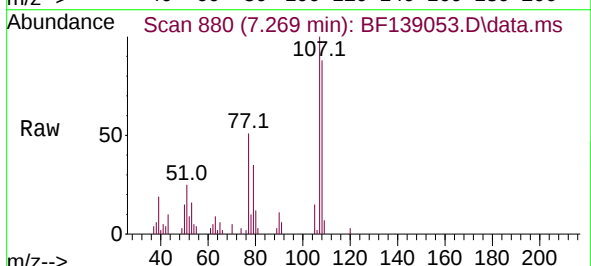
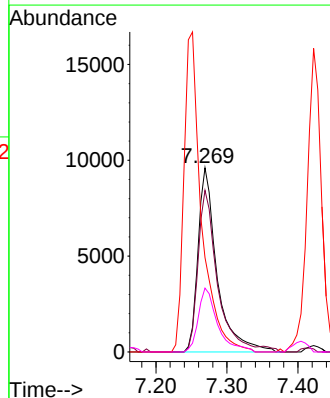
Ion Ratio Lower Upper

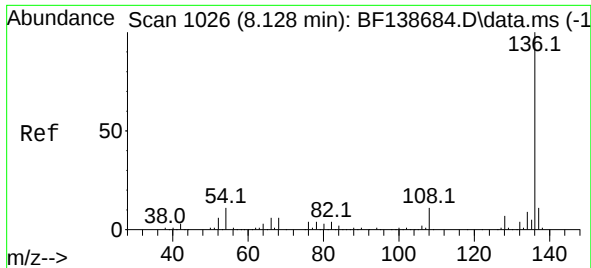
107 100

108 87.8 68.2 108.2

77 51.2 132.1 172.1#

79 34.7 11.5 51.5

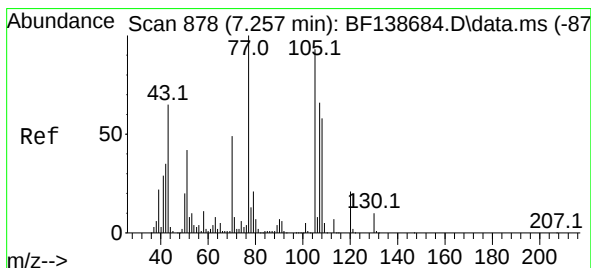
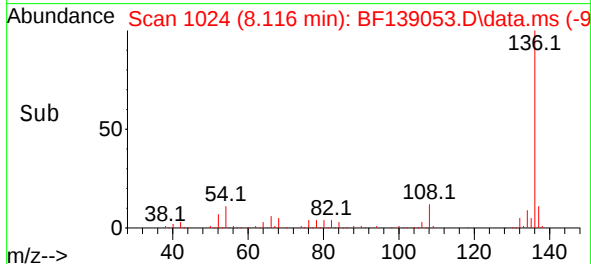
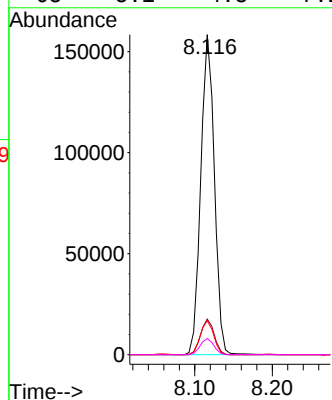
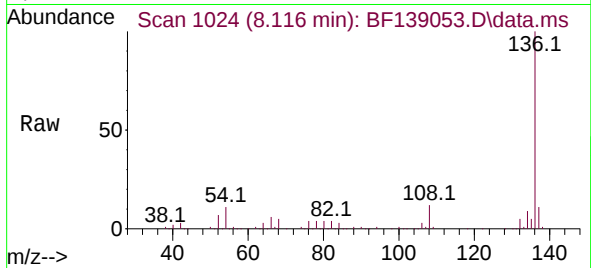




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

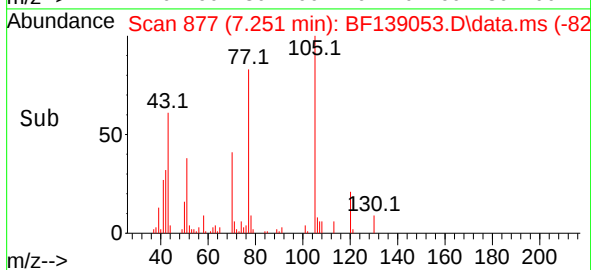
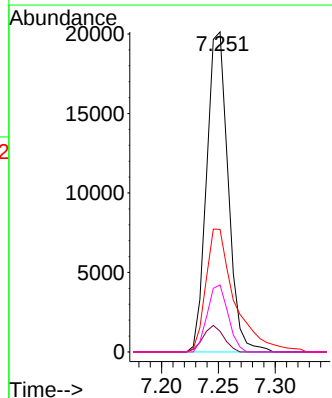
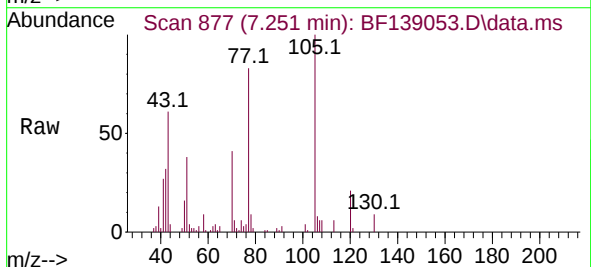
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

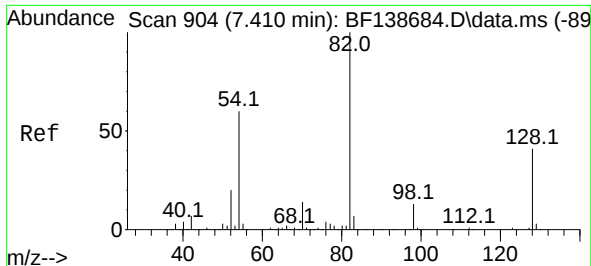
Tgt Ion:136	Resp: 193025
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 10.7	8.6 12.8
68 5.1	4.8 7.2



#22
Acetophenone
Concen: 5.600 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt	Ion:105	Resp:	26468
Ion	Ratio	Lower	Upper
105	100		
71	6.5	7.2	10.8#
51	38.3	35.9	53.9
120	21.0	17.6	26.4





#23

Nitrobenzene-d5

Concen: 92.125 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

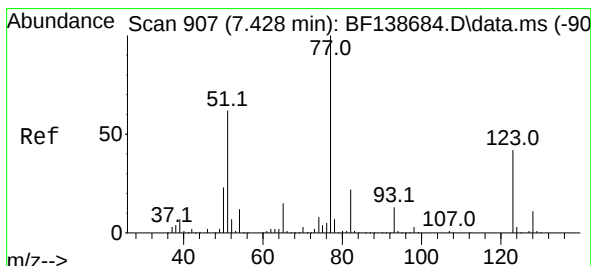
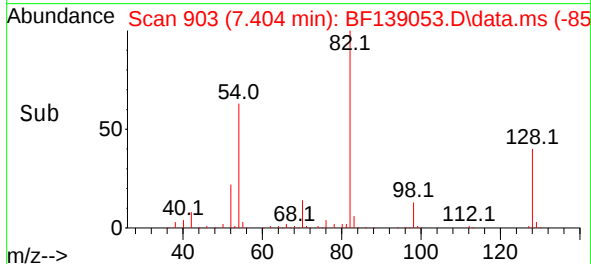
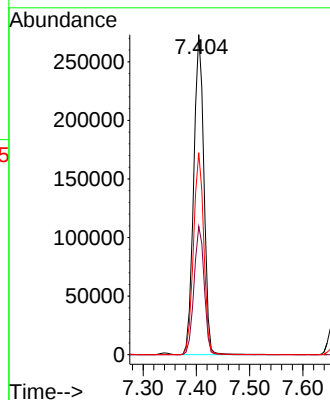
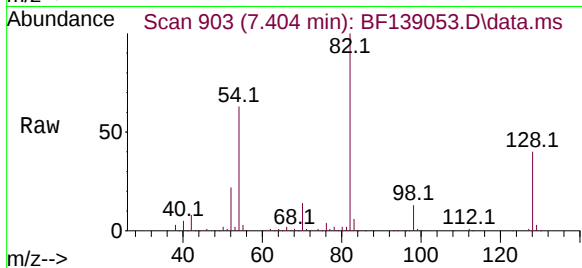
Tgt Ion: 82 Resp: 363713

Ion Ratio Lower Upper

82 100

128 40.1 32.8 49.2

54 63.1 48.3 72.5



#24

Nitrobenzene

Concen: 5.494 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

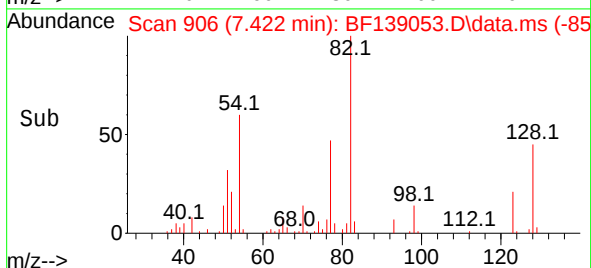
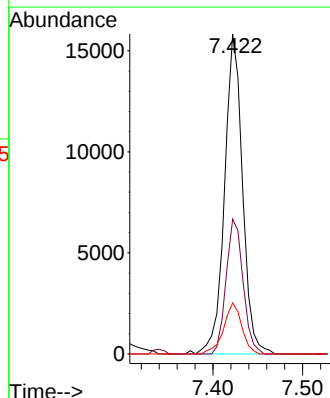
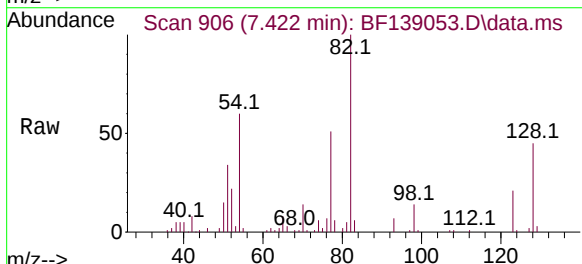
Tgt Ion: 77 Resp: 22073

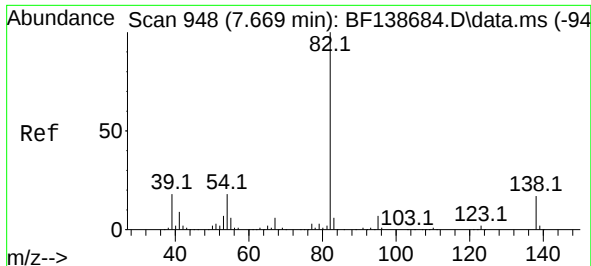
Ion Ratio Lower Upper

77 100

123 42.1 33.3 49.9

65 16.0 11.9 17.9

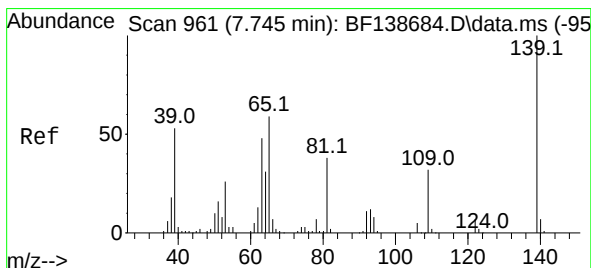
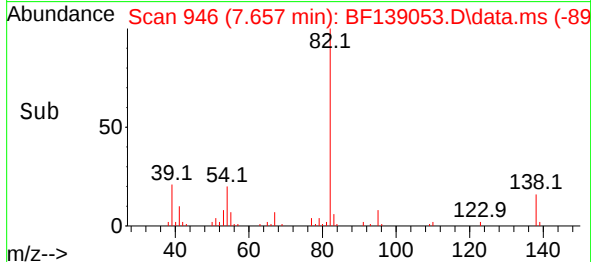
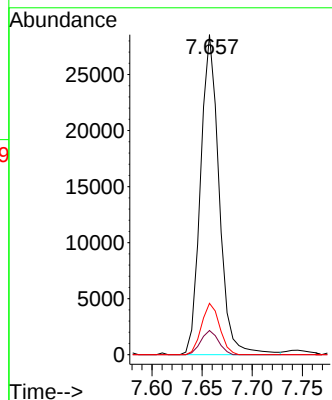
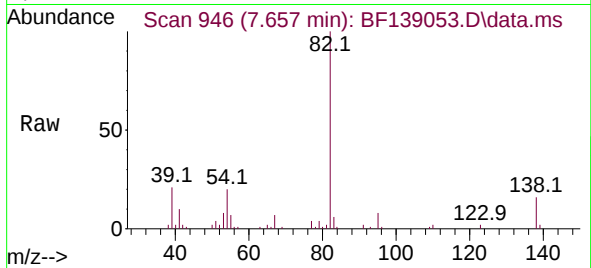




#25
Isophorone
Concen: 5.473 ng
RT: 7.657 min Scan# 946
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

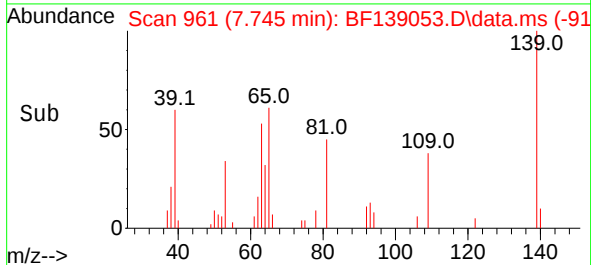
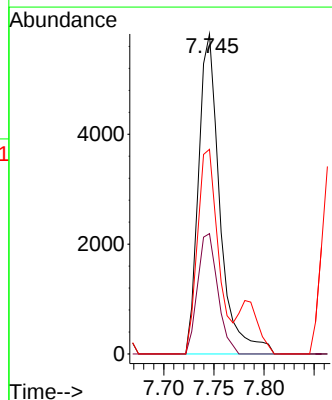
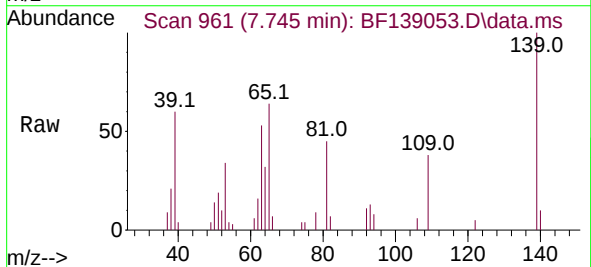
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

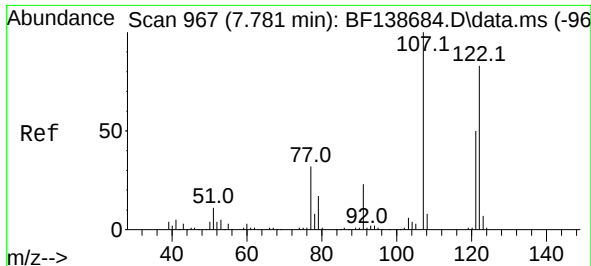
Tgt Ion: 82 Resp: 36897
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 16.1 13.7 20.5



#26
2-Nitrophenol
Concen: 5.002 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion: 139 Resp: 8645
Ion Ratio Lower Upper
139 100
109 37.6 25.9 38.9
65 64.0 47.0 70.6

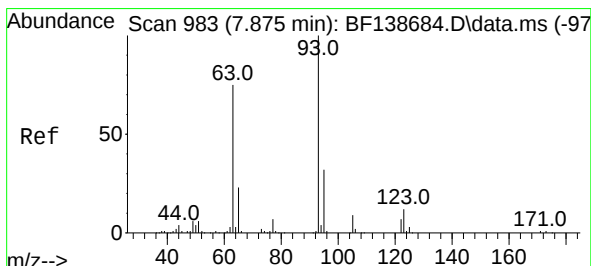
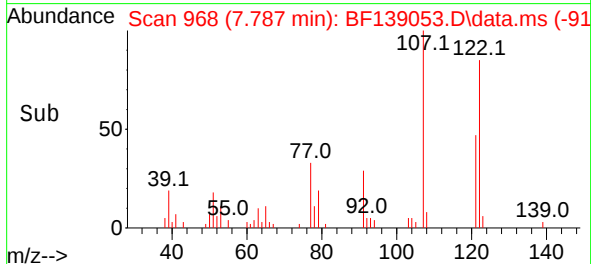
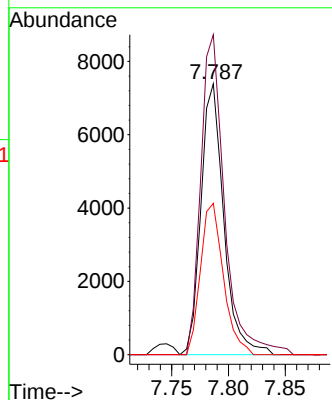
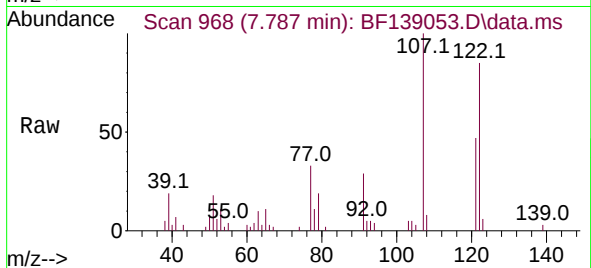




#27
2,4-Dimethylphenol
Concen: 5.014 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

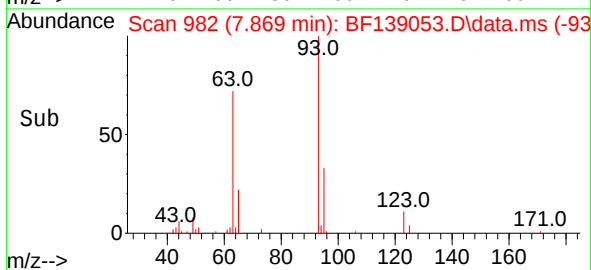
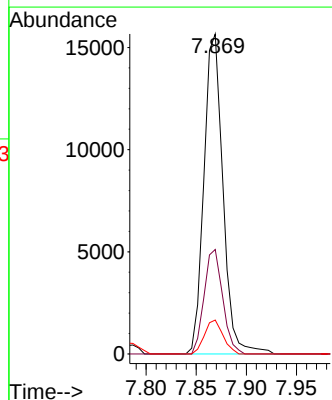
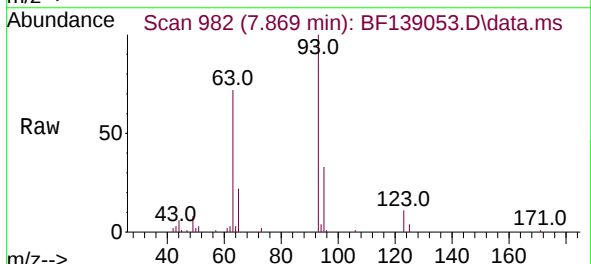
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

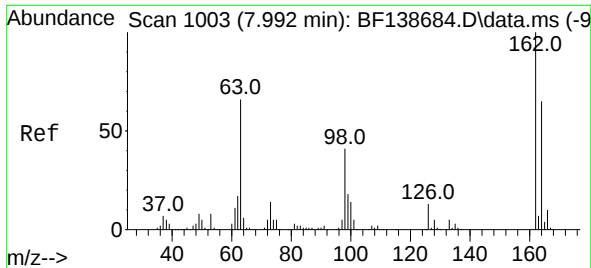
Tgt Ion:122 Resp: 10368
Ion Ratio Lower Upper
122 100
107 118.1 95.0 142.6
121 55.9 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 5.056 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

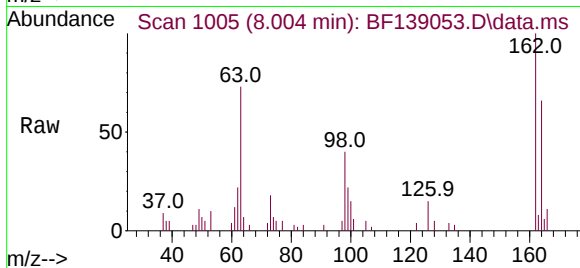
Tgt Ion: 93 Resp: 20755
Ion Ratio Lower Upper
93 100
95 32.7 25.8 38.8
123 10.6 9.4 14.0



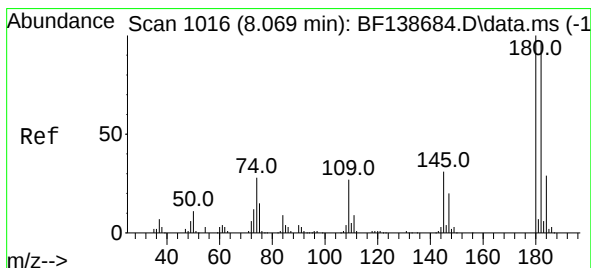
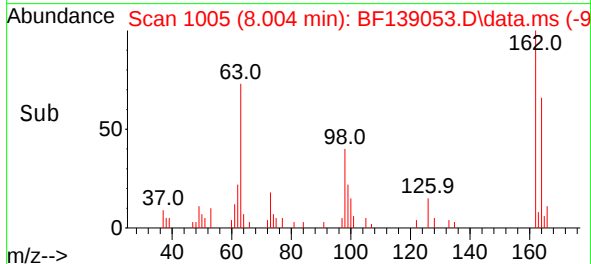
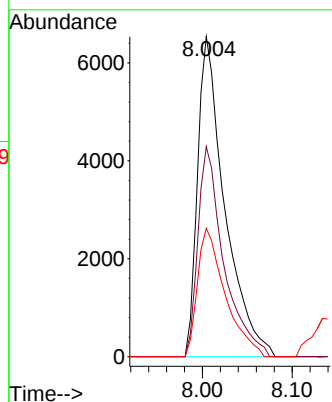


#29
2,4-Dichlorophenol
Concen: 5.161 ng
RT: 8.004 min Scan# 1005
Delta R.T. 0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

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

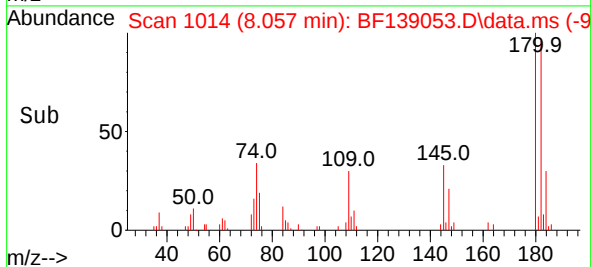
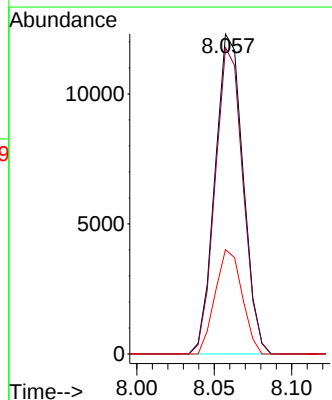
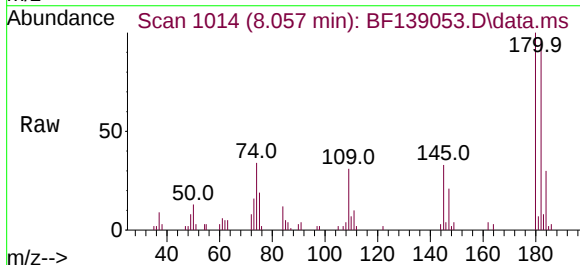


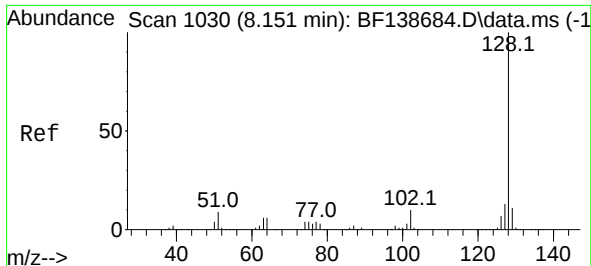
Tgt Ion:162 Resp: 13715
Ion Ratio Lower Upper
162 100
164 65.6 44.7 84.7
98 40.1 20.8 60.8



#30
1,2,4-Trichlorobenzene
Concen: 5.055 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:180 Resp: 15503
Ion Ratio Lower Upper
180 100
182 95.7 76.9 115.3
145 32.6 25.0 37.4





#31

Naphthalene

Concen: 5.220 ng

RT: 8.140 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

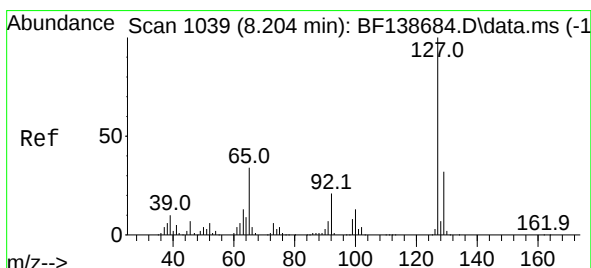
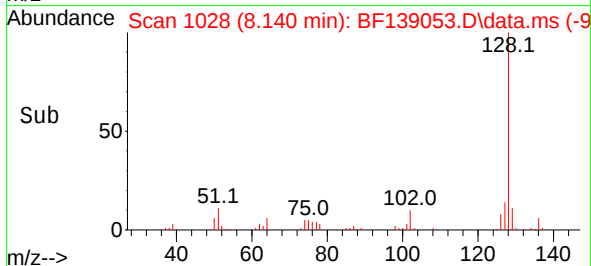
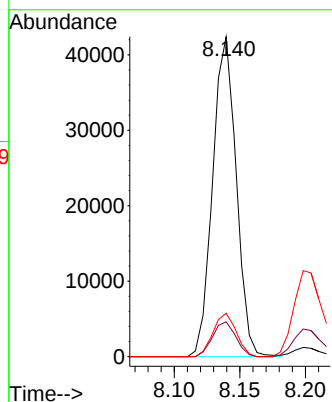
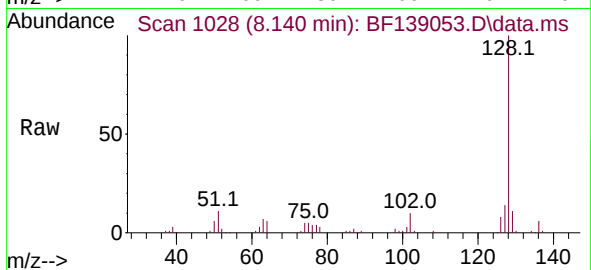
Tgt Ion:128 Resp: 53038

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.5 10.6 16.0



#33

4-Chloroaniline

Concen: 5.520 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:127 Resp: 18826

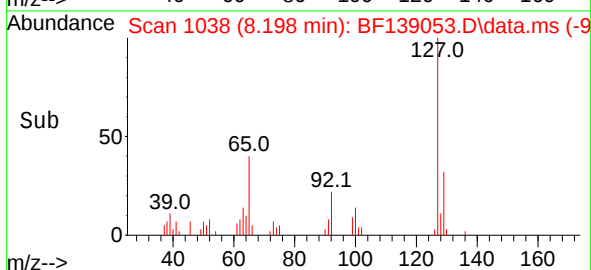
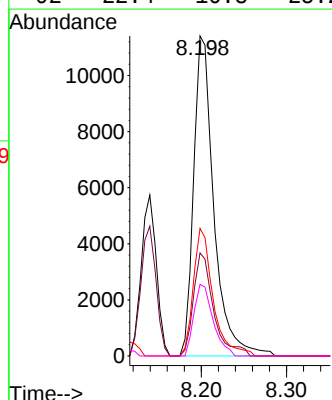
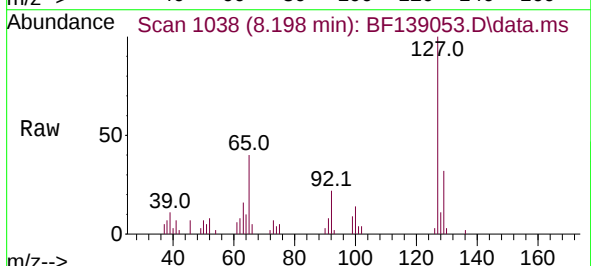
Ion Ratio Lower Upper

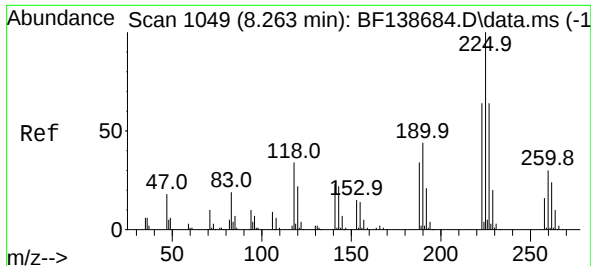
127 100

129 32.2 25.9 38.9

65 39.9 27.6 41.4

92 22.4 16.8 25.2

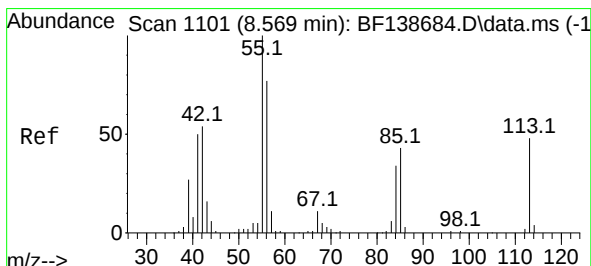
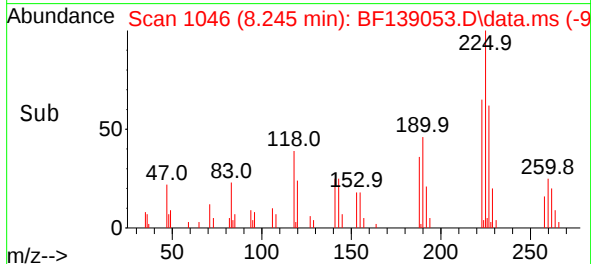
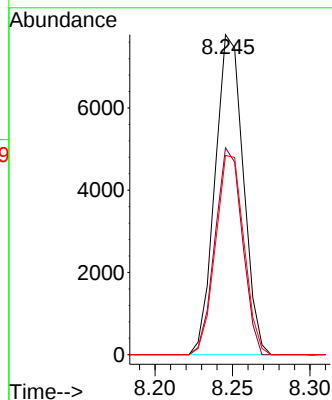
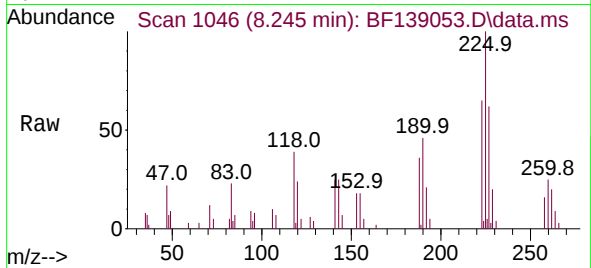




#34
Hexachlorobutadiene
Concen: 5.307 ng
RT: 8.245 min Scan# 1095
Delta R.T. -0.018 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

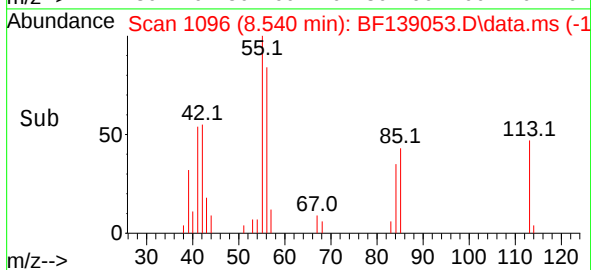
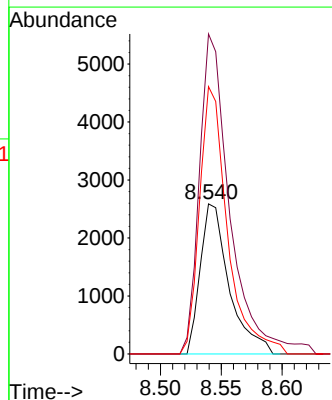
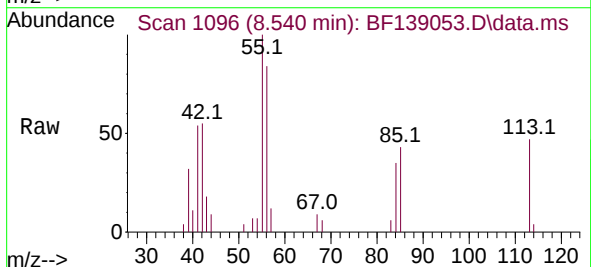
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

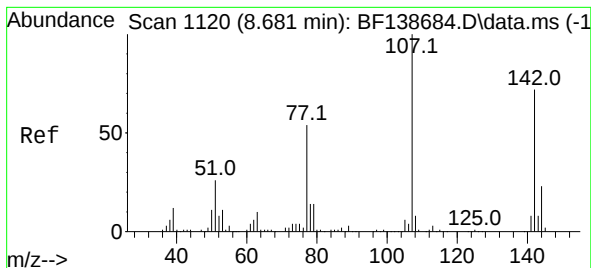
Tgt Ion:225 Resp: 9858
Ion Ratio Lower Upper
225 100
223 64.6 51.2 76.8
227 62.2 51.1 76.7



#35
Caprolactam
Concen: 5.400 ng
RT: 8.540 min Scan# 1096
Delta R.T. -0.029 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:113 Resp: 4282
Ion Ratio Lower Upper
113 100
55 213.3 186.7 226.7
56 178.2 138.9 178.9

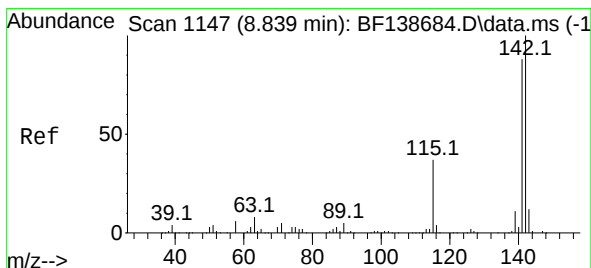
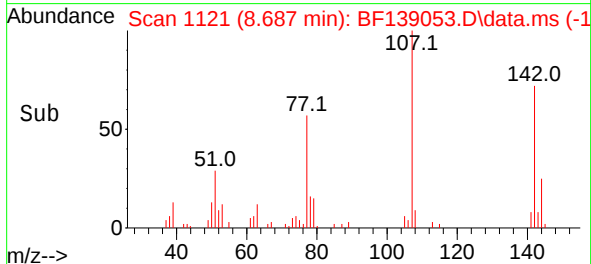
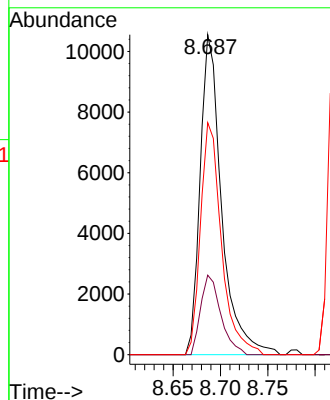
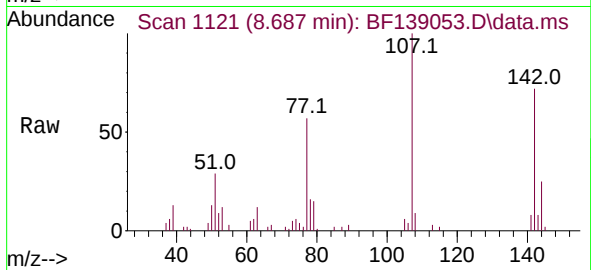




#36
4-Chloro-3-methylphenol
Concen: 5.474 ng
RT: 8.687 min Scan# 1120
Delta R.T. 0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

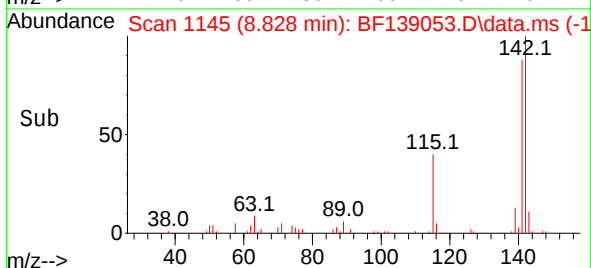
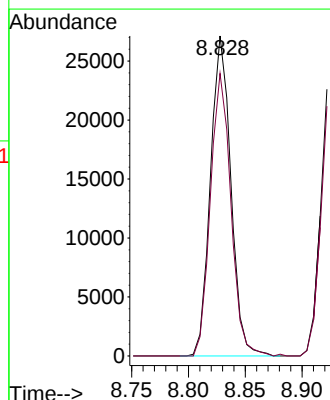
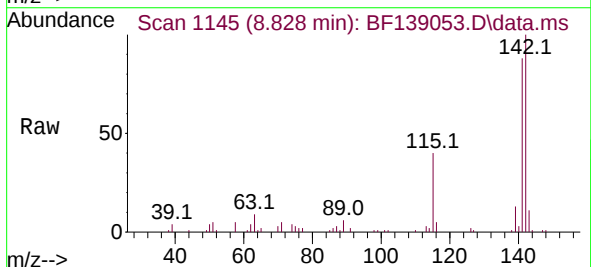
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

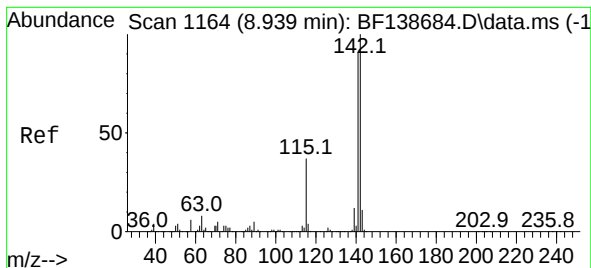
Tgt Ion:107 Resp: 16624
Ion Ratio Lower Upper
107 100
144 24.9 18.2 27.2
142 72.5 57.4 86.2



#37
2-Methylnaphthalene
Concen: 5.273 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:142 Resp: 33837
Ion Ratio Lower Upper
142 100
141 88.3 70.8 106.2





#38

1-Methylnaphthalene

Concen: 5.066 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

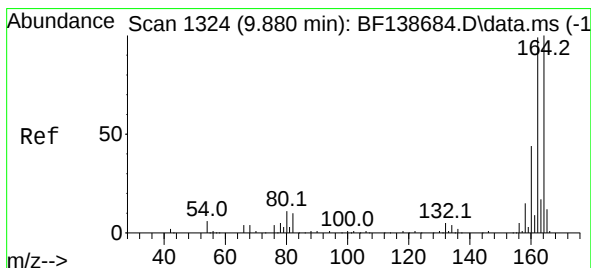
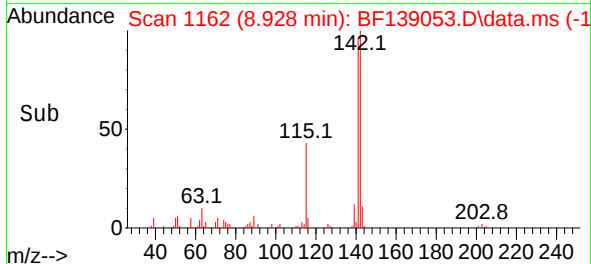
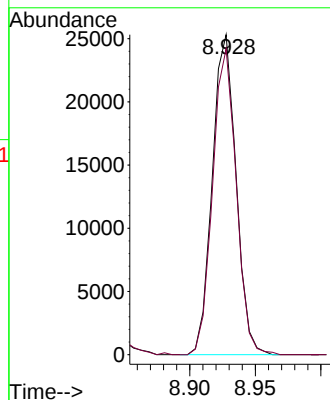
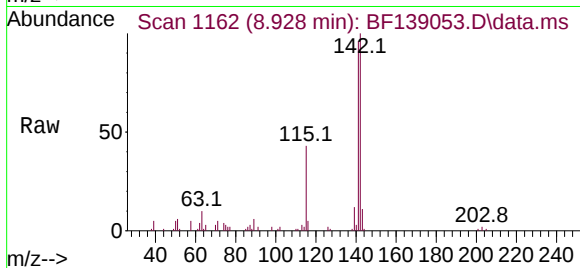
LOQ-SOIL-02-QT3-2024

Tgt Ion:142 Resp: 31856

Ion Ratio Lower Upper

142 100

141 95.6 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.011 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

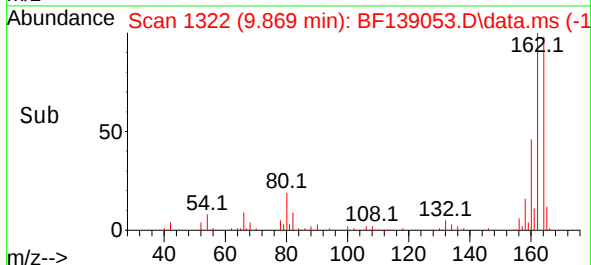
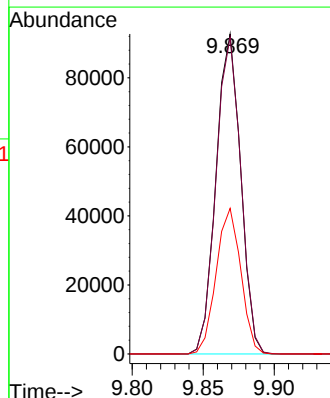
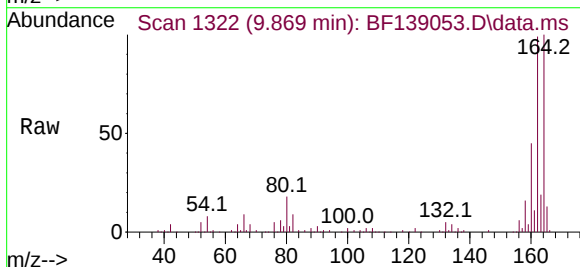
Tgt Ion:164 Resp: 111683

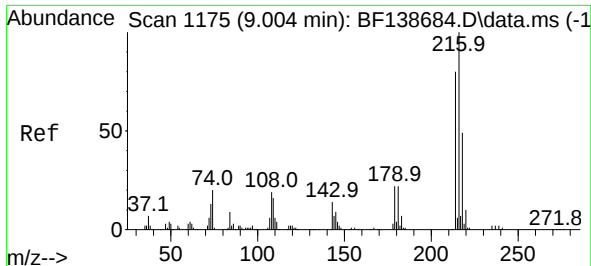
Ion Ratio Lower Upper

164 100

162 99.0 79.4 119.0

160 45.5 35.1 52.7





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.226 ng

RT: 8.992 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:216 Resp: 16212

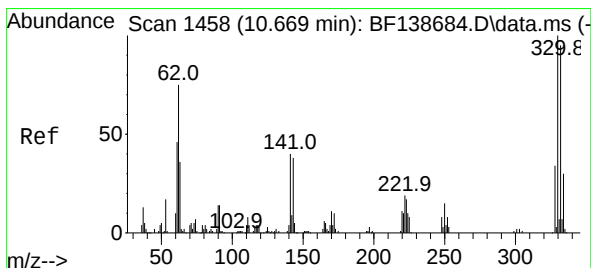
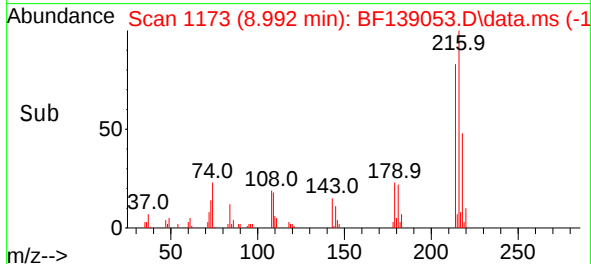
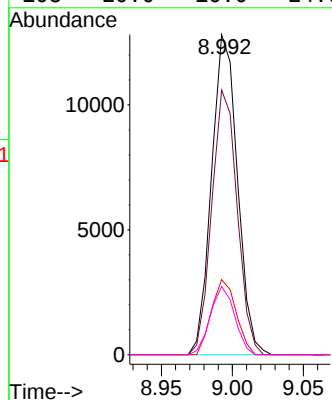
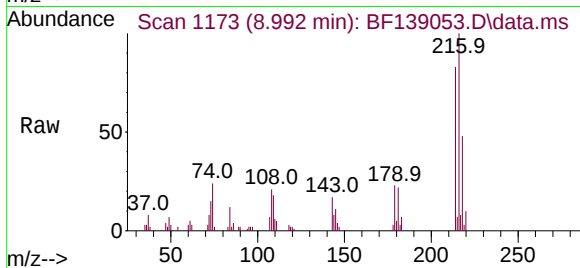
Ion Ratio Lower Upper

216 100

214 81.1 63.9 95.9

179 22.4 17.8 26.6

108 20.0 16.0 24.0



#42

2,4,6-Tribromophenol

Concen: 124.660 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

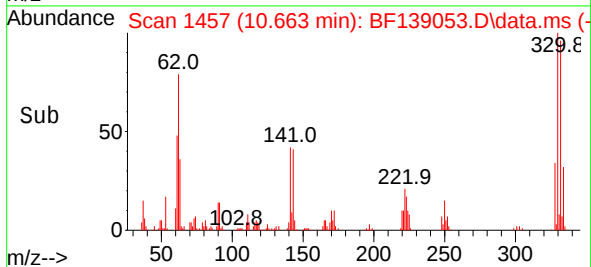
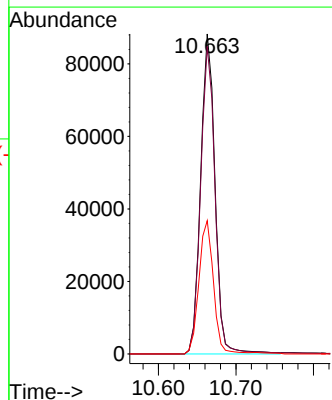
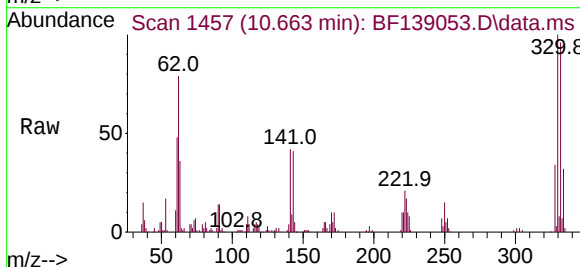
Tgt Ion:330 Resp: 114043

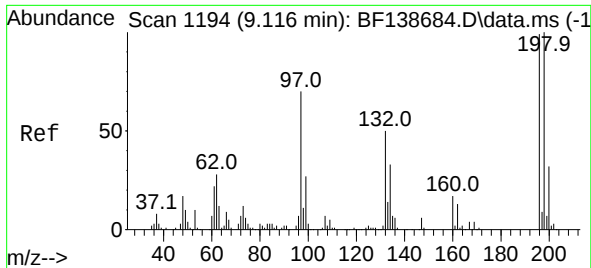
Ion Ratio Lower Upper

330 100

332 96.8 76.4 114.6

141 42.6 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 4.617 ng

RT: 9.122 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

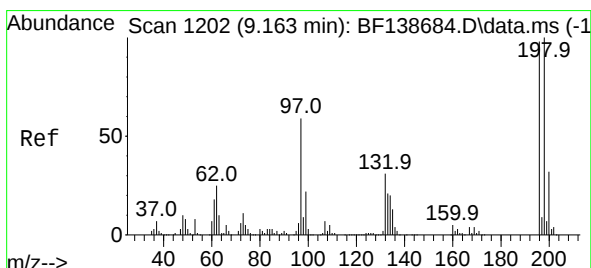
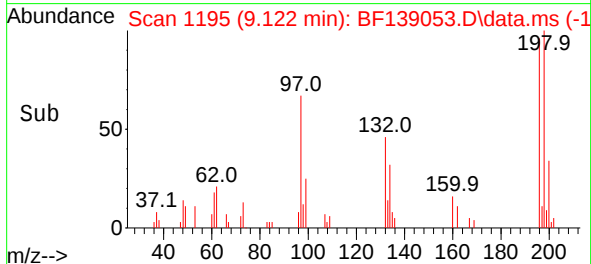
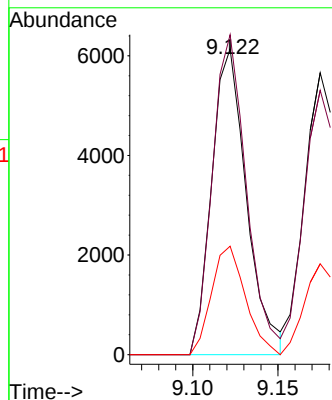
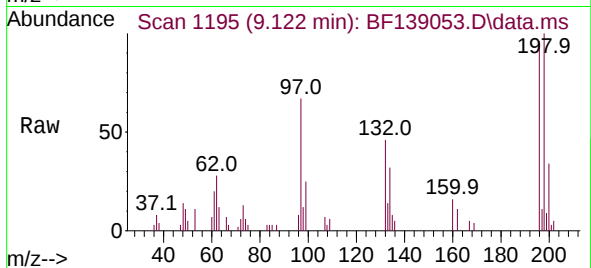
Tgt Ion:196 Resp: 8733

Ion Ratio Lower Upper

196 100

198 104.7 80.5 120.7

200 35.5 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 4.831 ng

RT: 9.175 min Scan# 1204

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:196 Resp: 9990

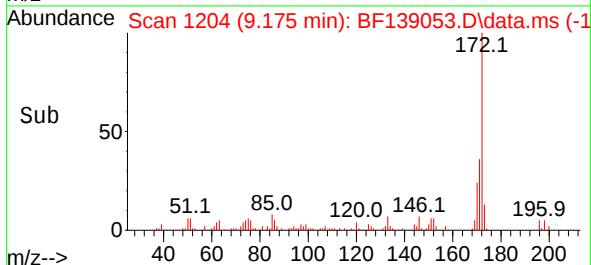
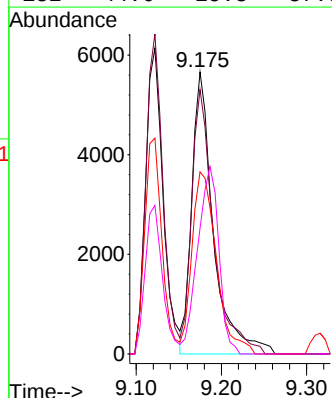
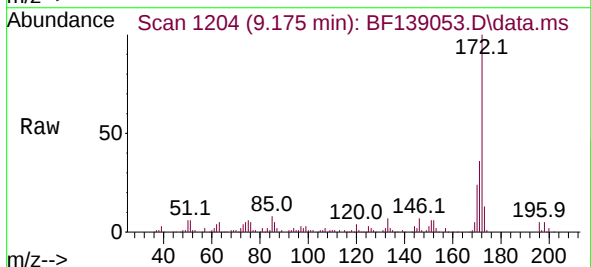
Ion Ratio Lower Upper

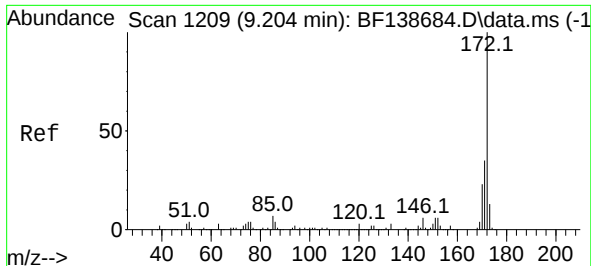
196 100

198 93.8 81.2 121.8

97 64.6 47.8 71.6

132 44.6 25.3 37.9#





#45

2-Fluorobiphenyl

Concen: 90.827 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

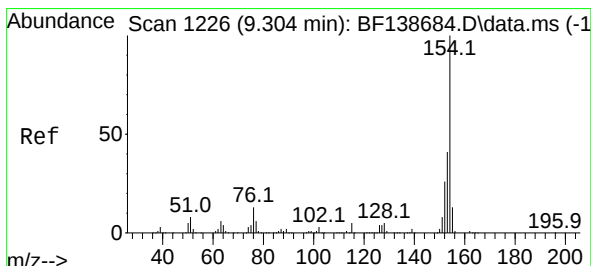
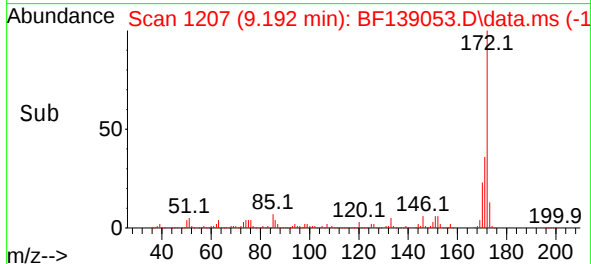
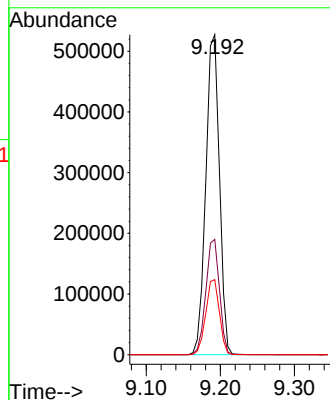
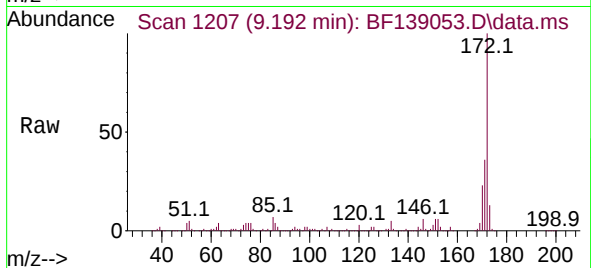
Tgt Ion:172 Resp: 675128

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 5.417 ng

RT: 9.287 min Scan# 1223

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

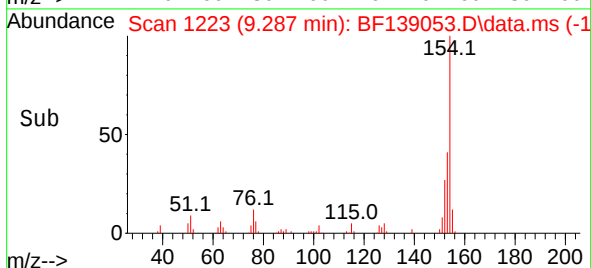
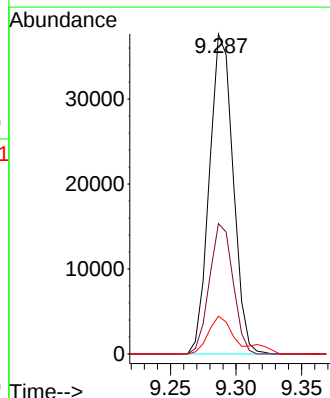
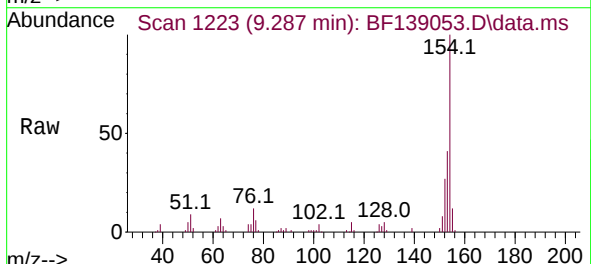
Tgt Ion:154 Resp: 47383

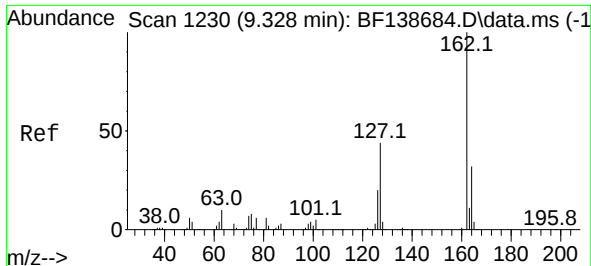
Ion Ratio Lower Upper

154 100

153 40.7 20.8 60.8

76 11.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 4.984 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

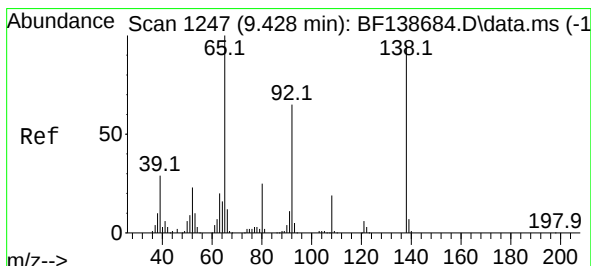
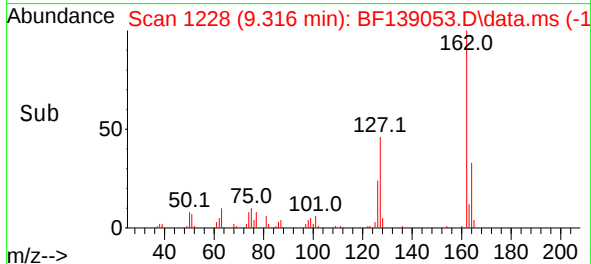
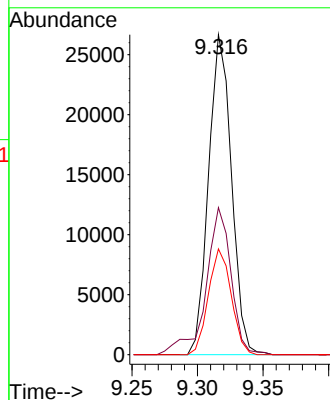
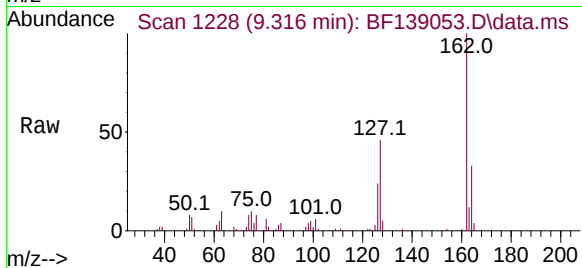
Tgt Ion:162 Resp: 32421

Ion Ratio Lower Upper

162 100

127 45.9 35.4 53.2

164 33.1 25.6 38.4



#48

2-Nitroaniline

Concen: 5.105 ng

RT: 9.428 min Scan# 1247

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

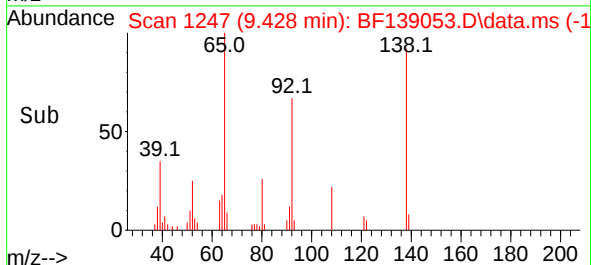
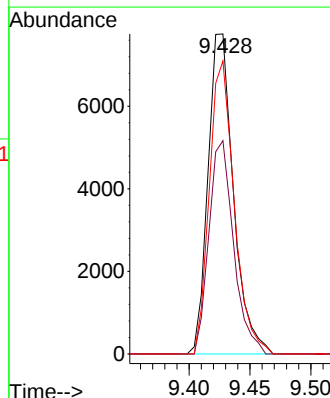
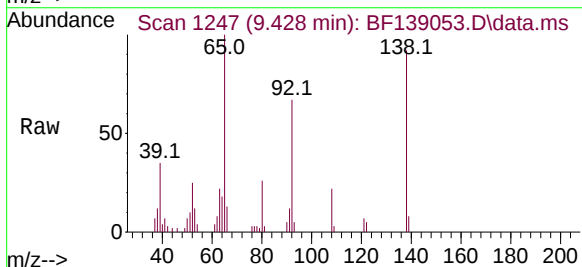
Tgt Ion: 65 Resp: 11259

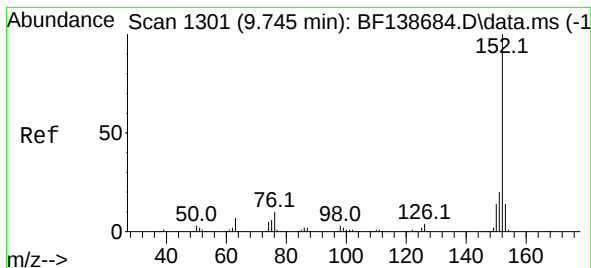
Ion Ratio Lower Upper

65 100

92 66.6 52.0 78.0

138 91.6 76.2 114.4





#49

Acenaphthylene

Concen: 5.515 ng

RT: 9.728 min Scan# 1298

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

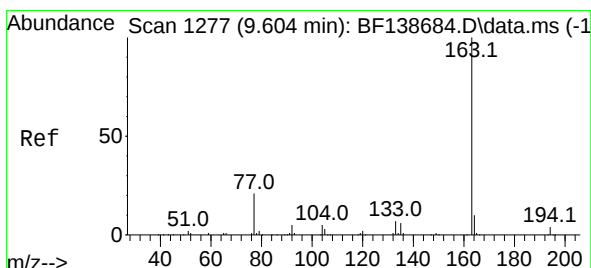
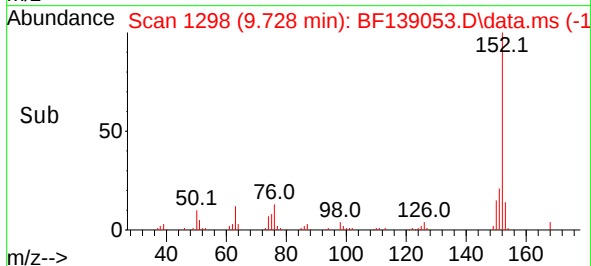
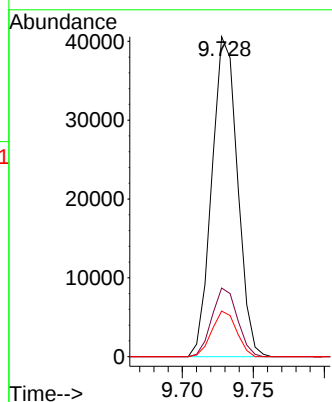
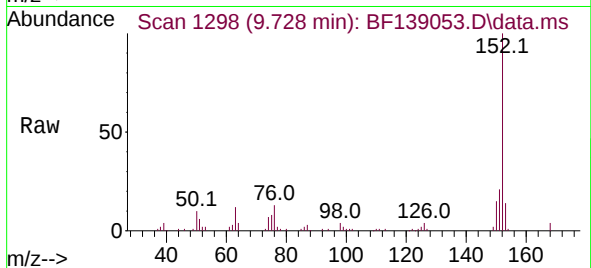
Tgt Ion:152 Resp: 50888

Ion Ratio Lower Upper

152 100

151 21.5 16.0 24.0

153 14.3 11.0 16.4



#50

Dimethylphthalate

Concen: 5.691 ng

RT: 9.587 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

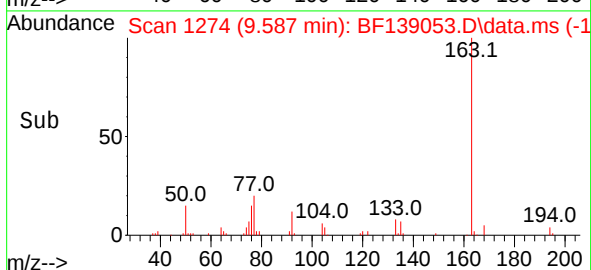
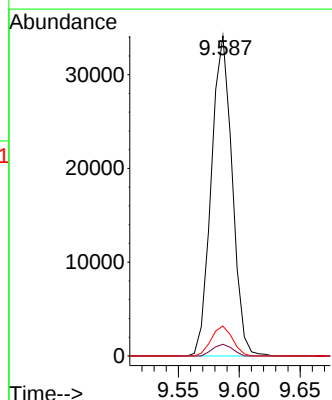
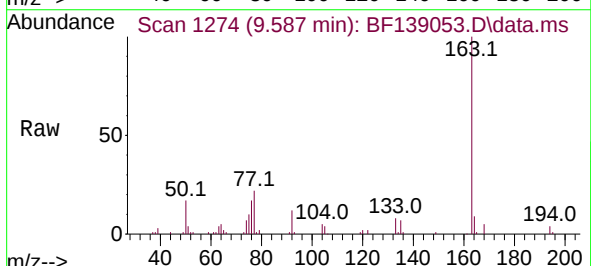
Tgt Ion:163 Resp: 40638

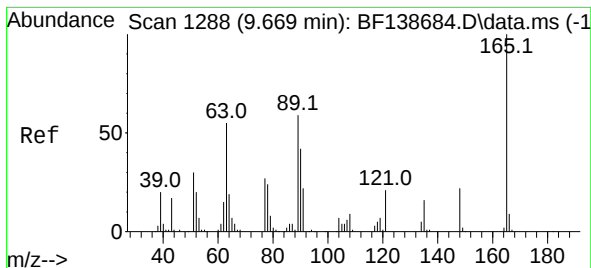
Ion Ratio Lower Upper

163 100

194 3.6 3.1 4.7

164 9.3 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 5.105 ng

RT: 9.657 min Scan# 1327

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

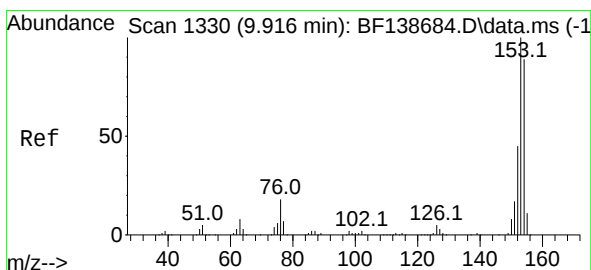
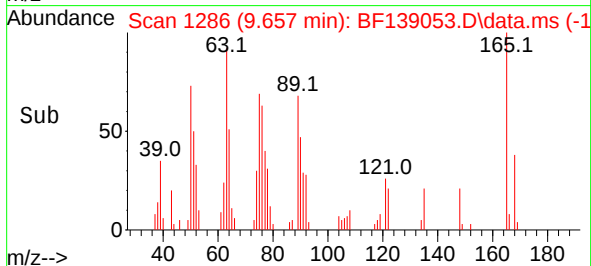
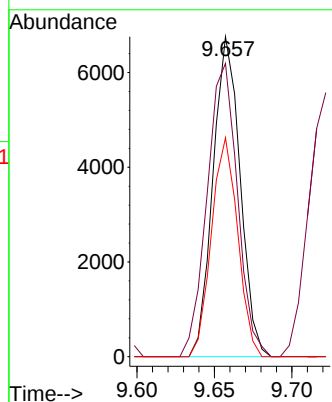
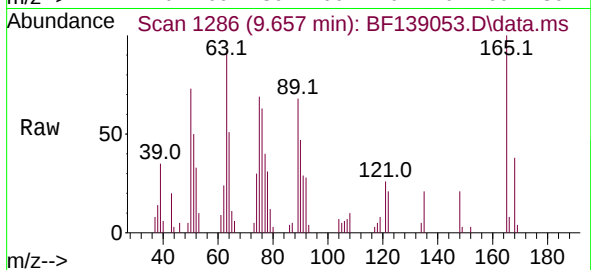
Tgt Ion:165 Resp: 8227

Ion Ratio Lower Upper

165 100

63 91.7 52.0 78.0#

89 68.4 47.0 70.6



#52

Acenaphthene

Concen: 5.203 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

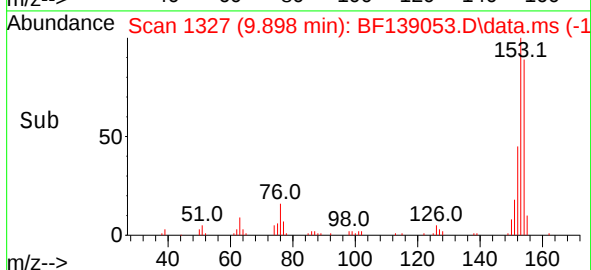
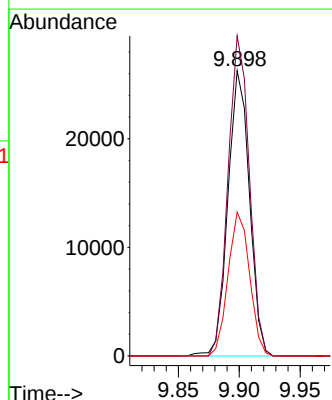
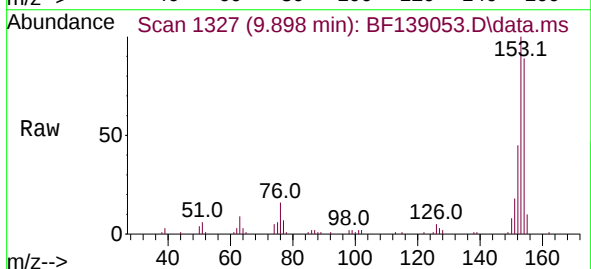
Tgt Ion:154 Resp: 32267

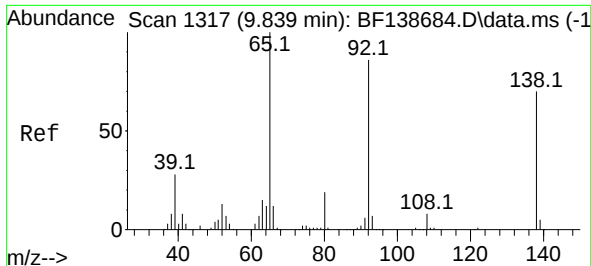
Ion Ratio Lower Upper

154 100

153 112.2 89.9 134.9

152 50.4 40.6 60.8

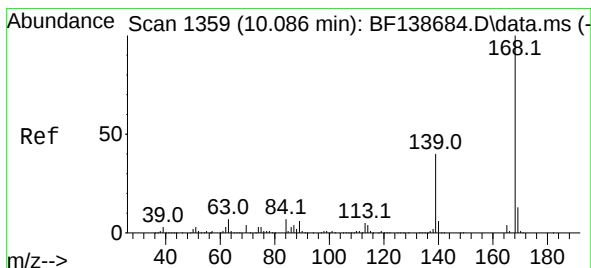
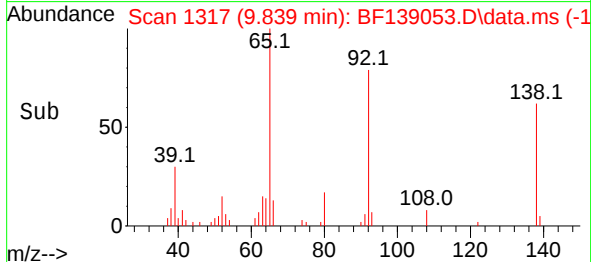
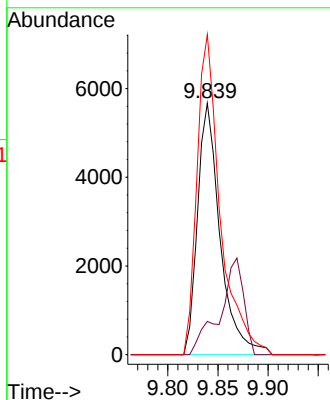
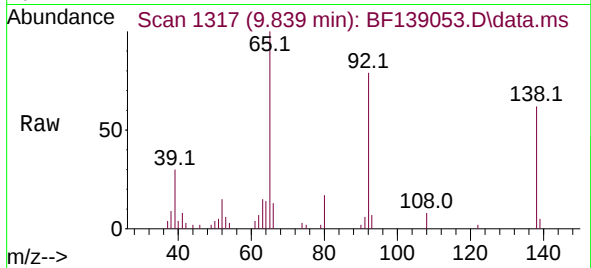




#53
3-Nitroaniline
Concen: 5.333 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

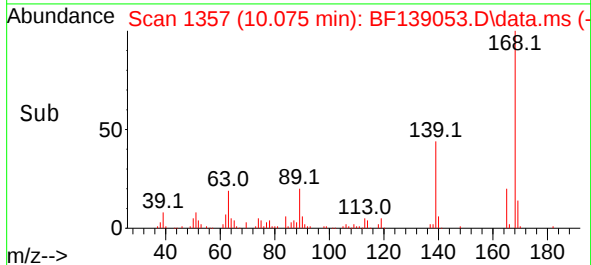
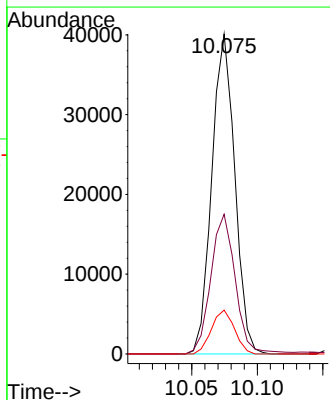
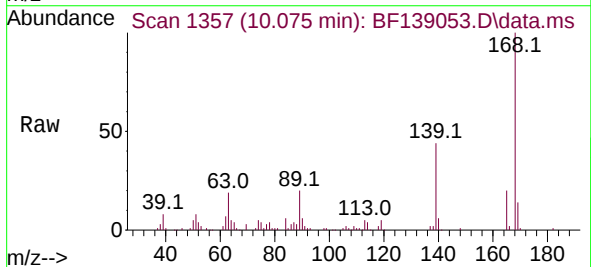
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

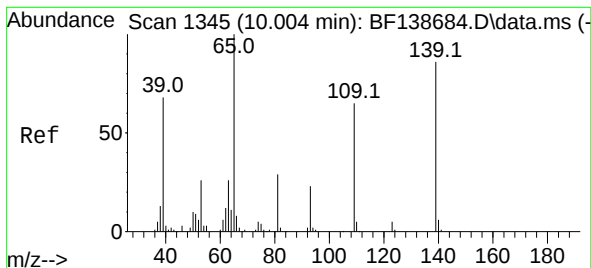
Tgt Ion:138 Resp: 8885
Ion Ratio Lower Upper
138 100
108 13.3 9.1 13.7
92 127.2 98.7 148.1



#55
Dibenzofuran
Concen: 5.571 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:168 Resp: 48771
Ion Ratio Lower Upper
168 100
139 43.6 32.6 49.0
169 13.7 10.7 16.1

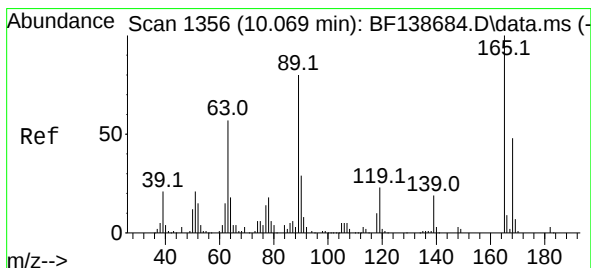
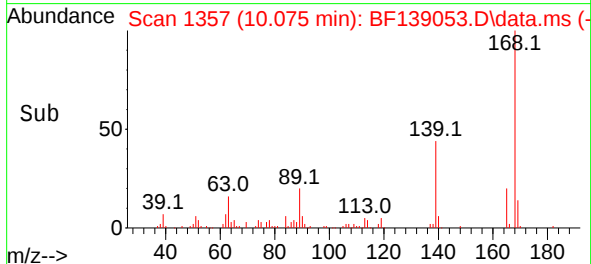
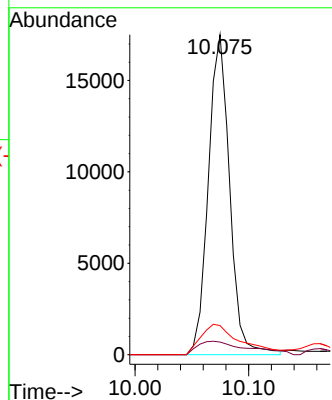
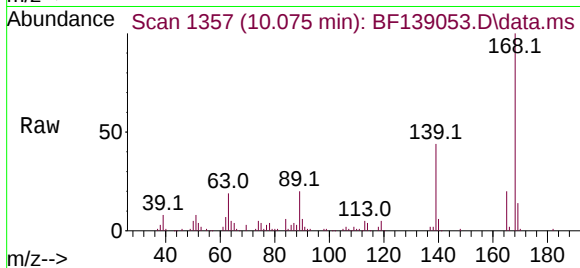




#56
4-Nitrophenol
Concen: 22.764 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.071 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

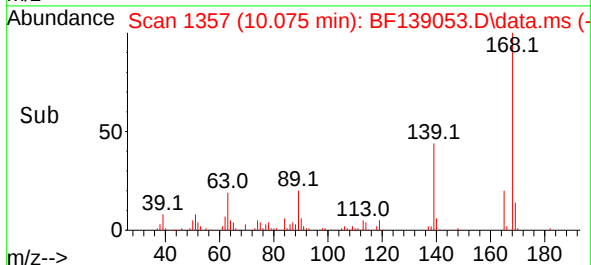
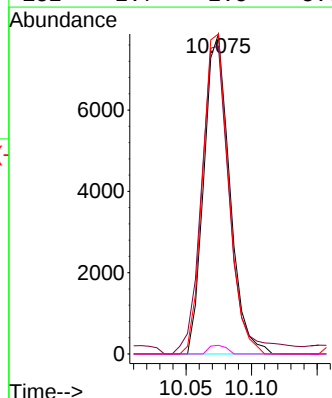
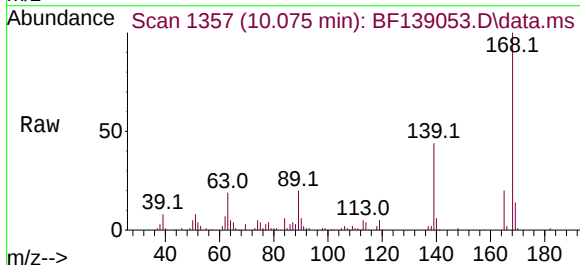
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

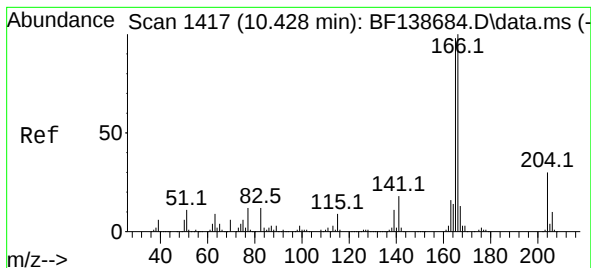
Tgt Ion:139 Resp: 22807
Ion Ratio Lower Upper
139 100
109 4.0 55.5 95.5#
65 9.1 96.7 136.7#



#57
2,4-Dinitrotoluene
Concen: 5.224 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:165 Resp: 10742
Ion Ratio Lower Upper
165 100
63 96.2 46.3 69.5#
89 100.0 64.2 96.4#
182 2.7 2.5 3.7





#58

Fluorene

Concen: 5.409 ng

RT: 10.416 min Scan# 1417

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

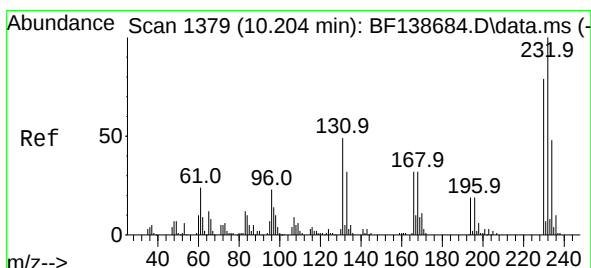
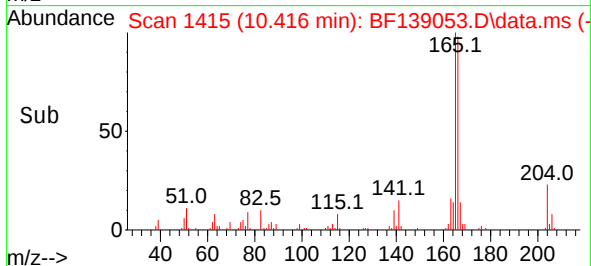
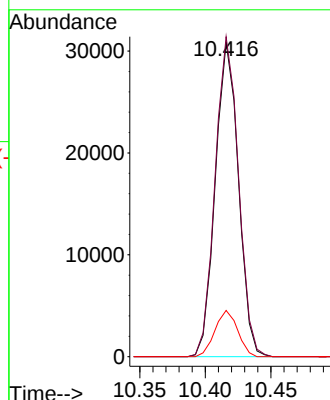
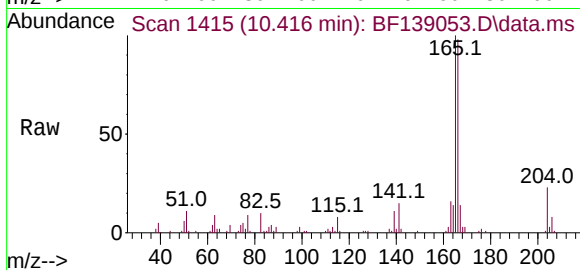
Tgt Ion:166 Resp: 37712

Ion Ratio Lower Upper

166 100

165 101.8 78.4 117.6

167 14.7 10.6 16.0



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.494 ng

RT: 10.204 min Scan# 1379

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:232 Resp: 7104

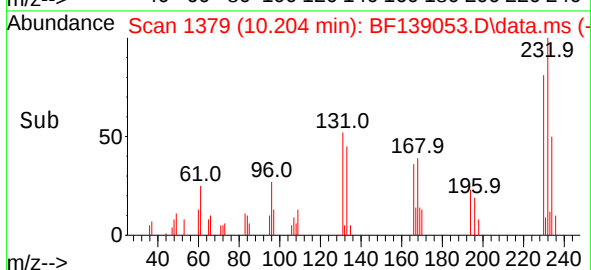
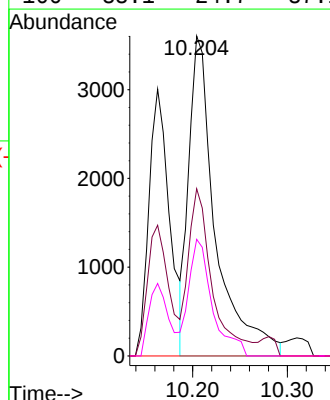
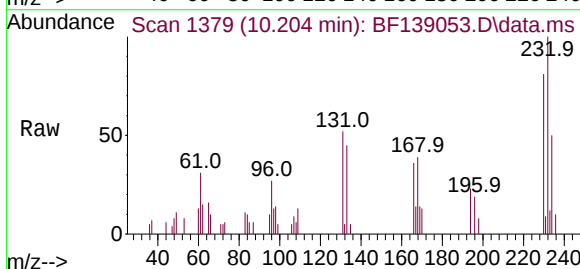
Ion Ratio Lower Upper

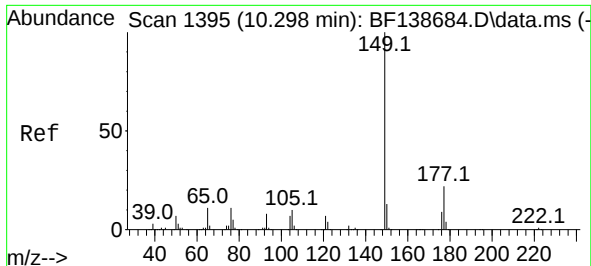
232 100

131 46.2 37.0 55.4

130 0.0 2.0 3.0#

166 33.1 24.7 37.1





#60

Diethylphthalate

Concen: 6.031 ng

RT: 10.281 min Scan# 1413

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

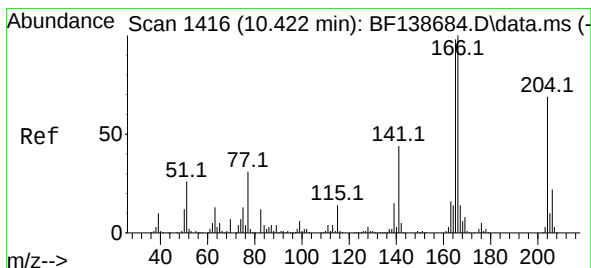
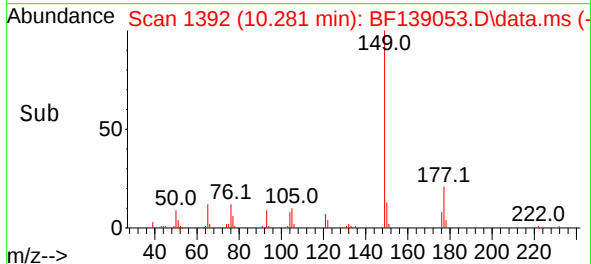
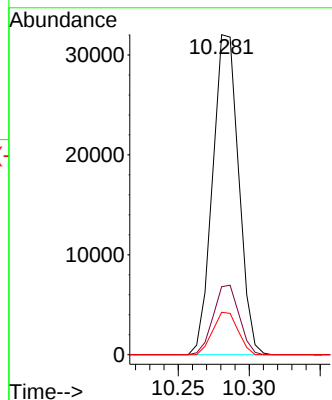
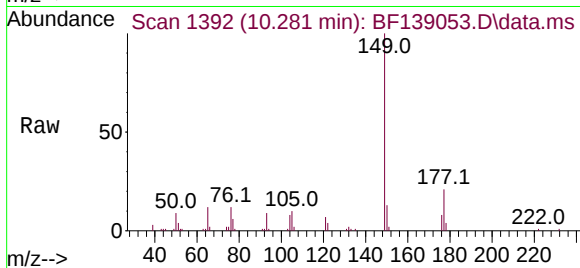
Tgt Ion:149 Resp: 40837

Ion Ratio Lower Upper

149 100

177 21.3 17.8 26.8

150 13.2 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 5.489 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

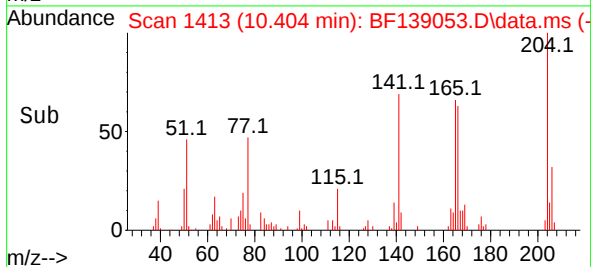
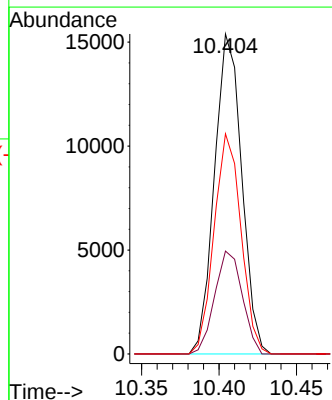
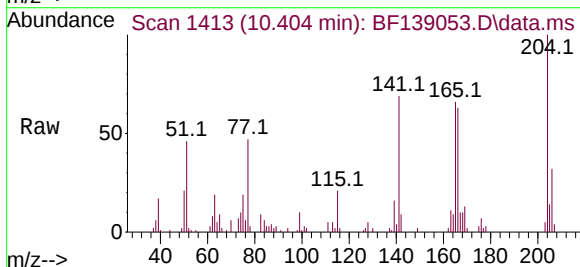
Tgt Ion:204 Resp: 18821

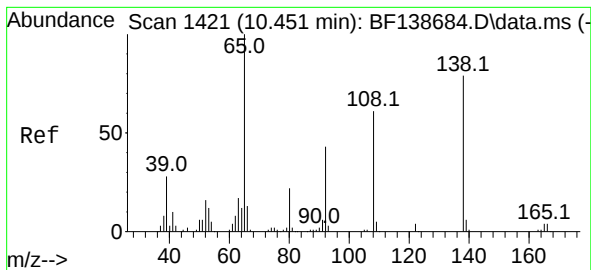
Ion Ratio Lower Upper

204 100

206 32.1 26.1 39.1

141 68.8 51.4 77.0

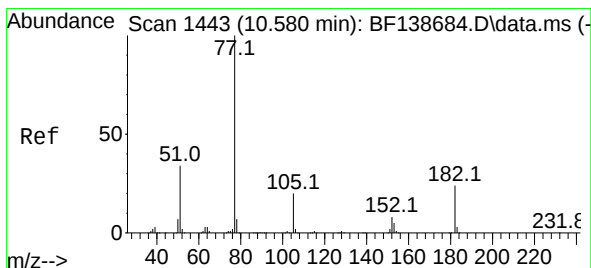
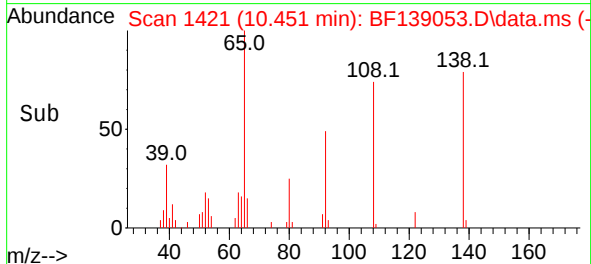
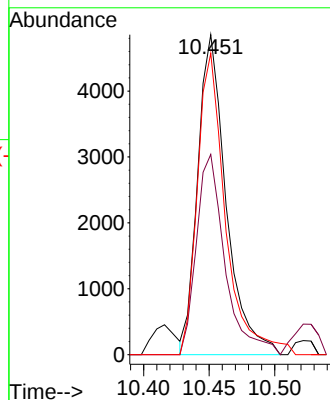
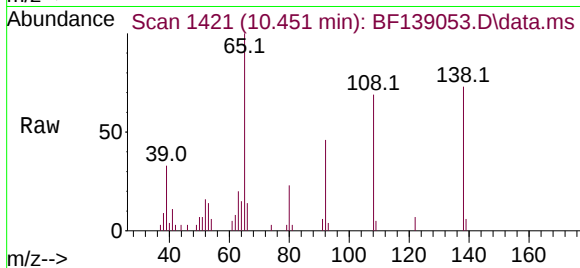




#62
4-Nitroaniline
Concen: 4.643 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

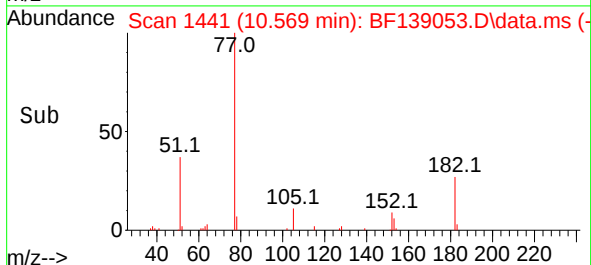
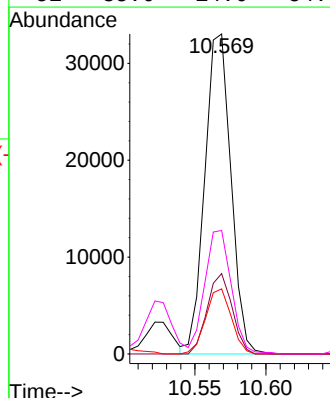
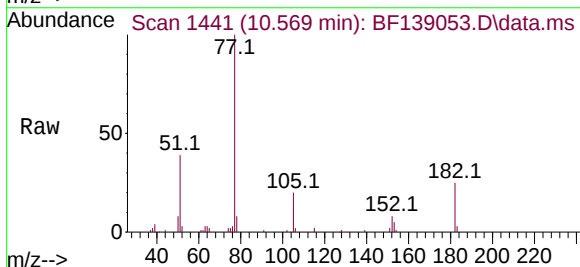
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

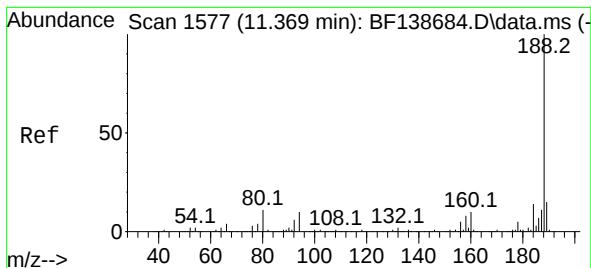
Tgt Ion:138	Resp:	7351
Ion	Ratio	Lower Upper
138	100	
92	62.6	34.2 74.2
108	94.2	56.2 96.2



#63
Azobenzene
Concen: 5.638 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion: 77	Resp:	42339
Ion	Ratio	Lower Upper
77	100	
182	25.1	3.4 43.4
105	20.4	0.2 40.2
51	38.6	14.6 54.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

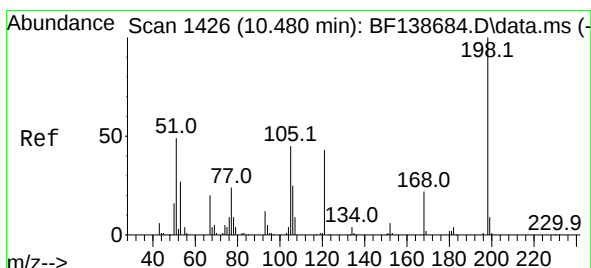
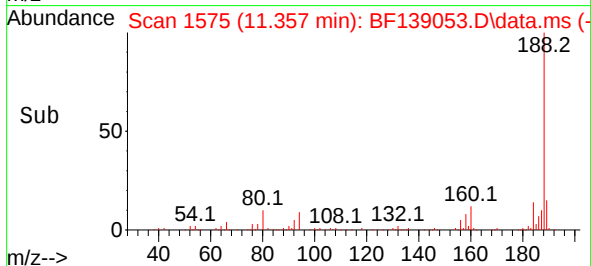
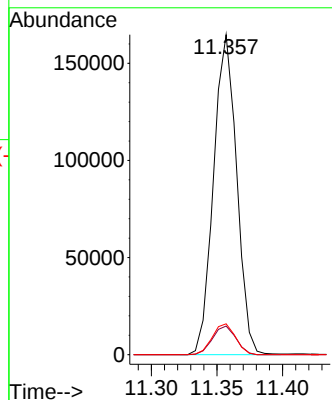
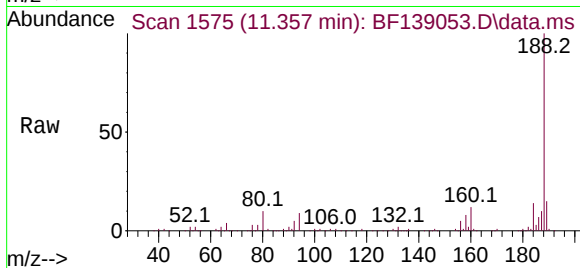
Tgt Ion:188 Resp: 201989

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.7 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 3.313 ng

RT: 10.492 min Scan# 1428

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

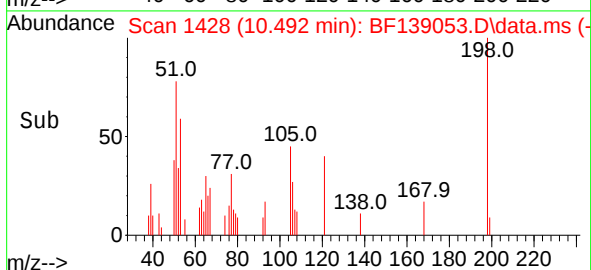
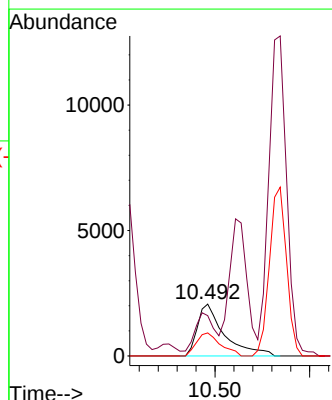
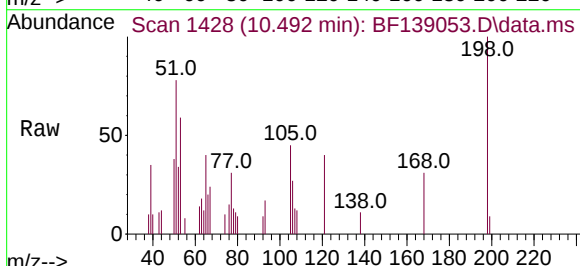
Tgt Ion:198 Resp: 4083

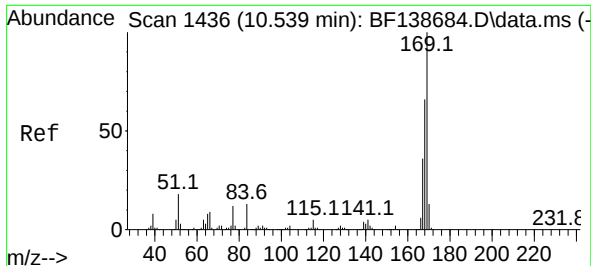
Ion Ratio Lower Upper

198 100

51 77.6 39.9 79.9

105 44.6 26.1 66.1





#66

n-Nitrosodiphenylamine

Concen: 5.076 ng

RT: 10.528 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

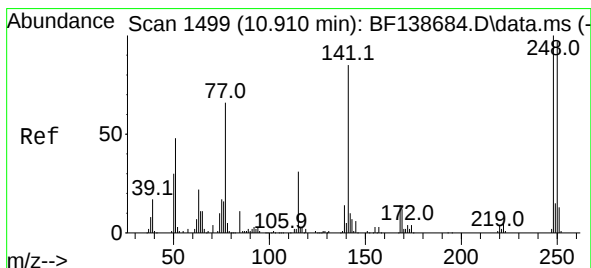
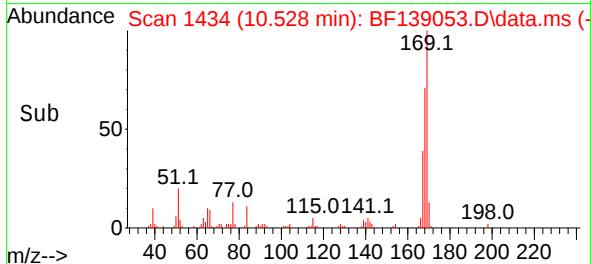
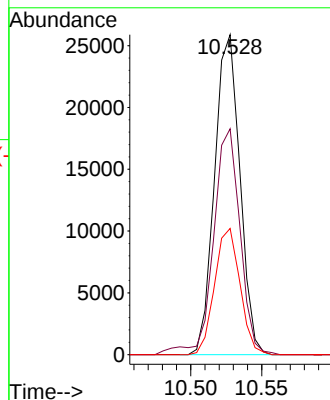
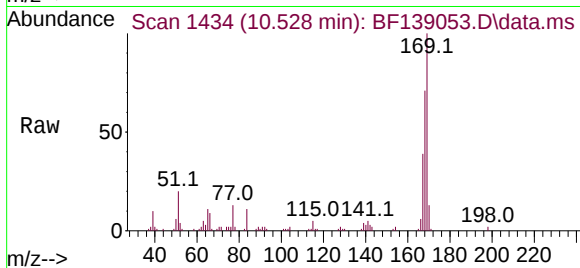
Tgt Ion:169 Resp: 32047

Ion Ratio Lower Upper

169 100

168 70.6 53.0 79.6

167 39.5 29.0 43.6



#67

4-Bromophenyl-phenylether

Concen: 4.952 ng

RT: 10.898 min Scan# 1497

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

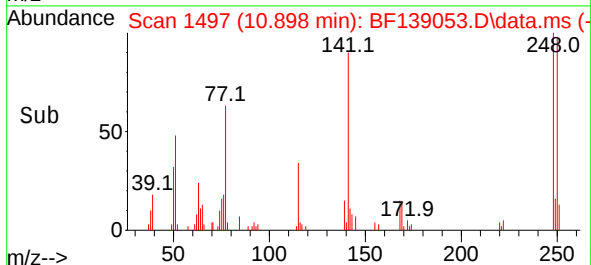
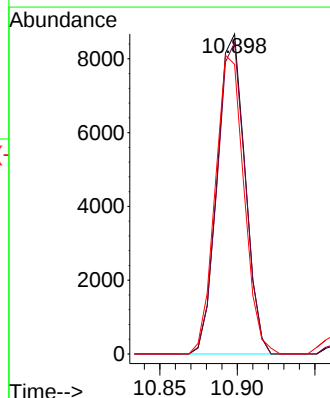
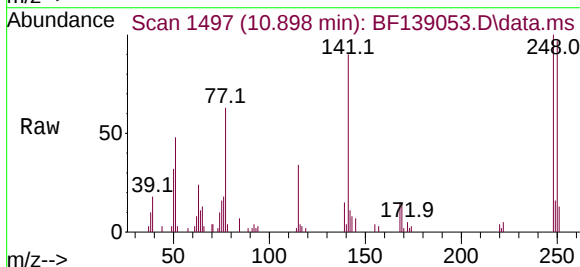
Tgt Ion:248 Resp: 10830

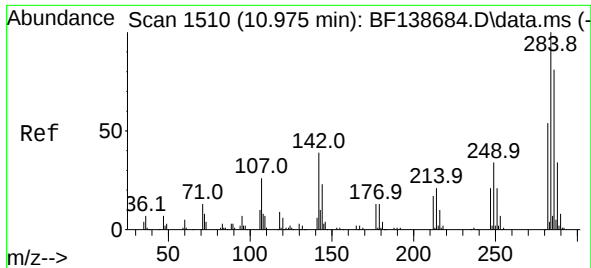
Ion Ratio Lower Upper

248 100

250 97.3 77.7 116.5

141 90.5 68.0 102.0

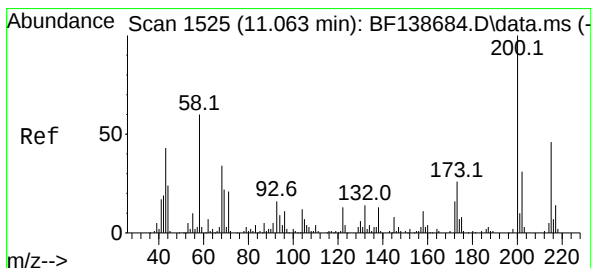
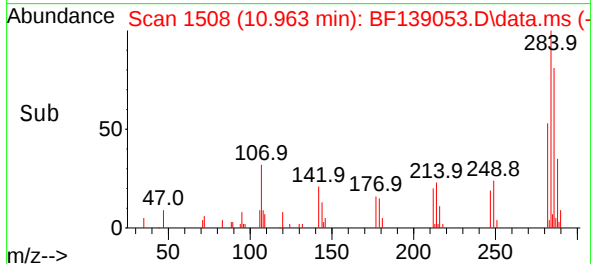
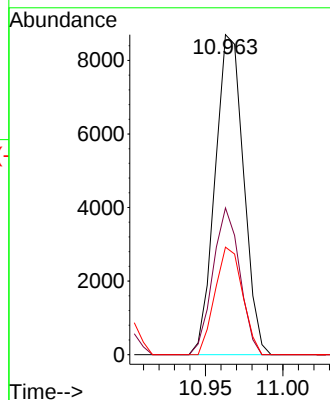
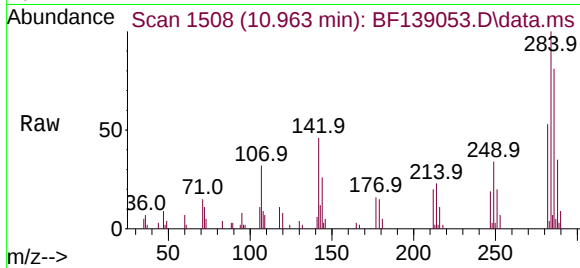




#68
Hexachlorobenzene
Concen: 4.923 ng
RT: 10.963 min Scan# 1510
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

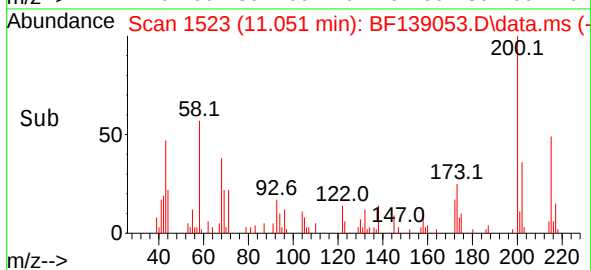
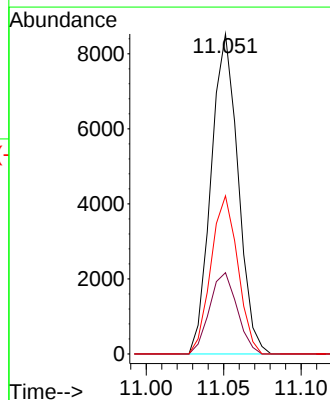
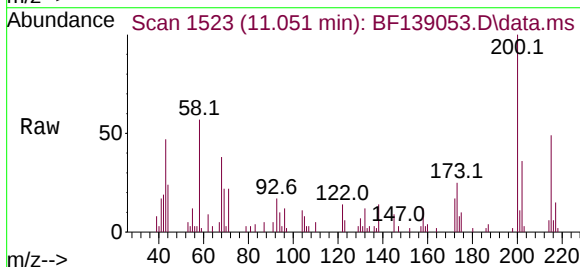
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

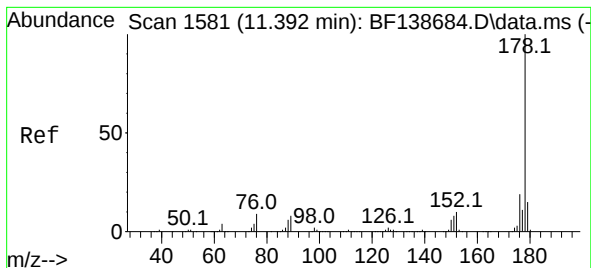
Tgt Ion:284 Resp: 11117
Ion Ratio Lower Upper
284 100
142 45.9 31.3 46.9
249 33.6 27.2 40.8



#69
Atrazine
Concen: 6.335 ng
RT: 11.051 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:200 Resp: 10320
Ion Ratio Lower Upper
200 100
173 25.4 6.0 46.0
215 49.4 26.1 66.1





#71

Phenanthrene

Concen: 5.422 ng

RT: 11.381 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

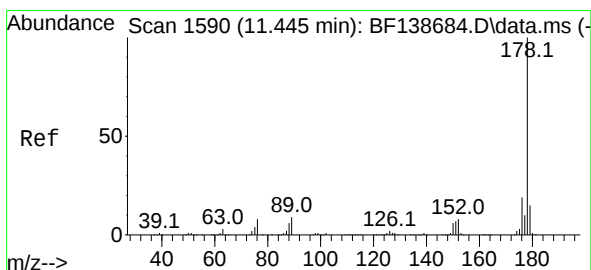
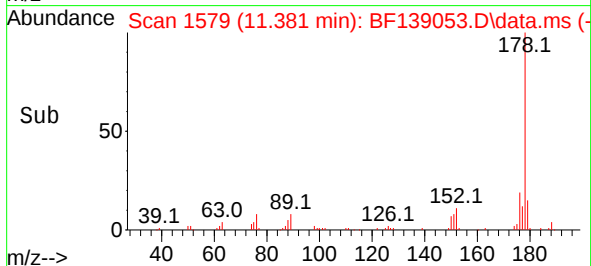
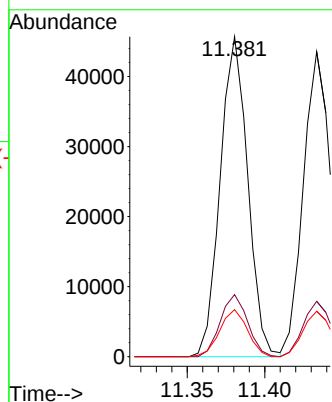
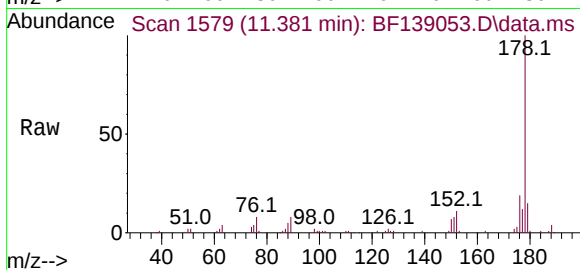
Tgt Ion:178 Resp: 56395

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 14.7 12.2 18.2



#72

Anthracene

Concen: 5.396 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

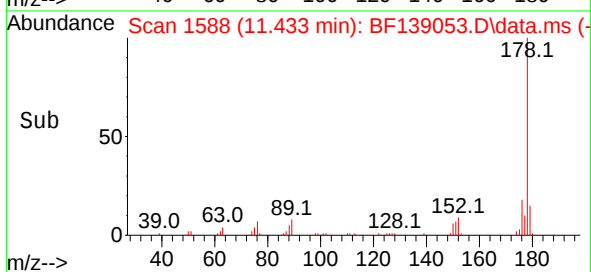
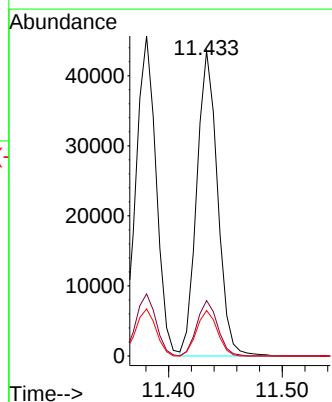
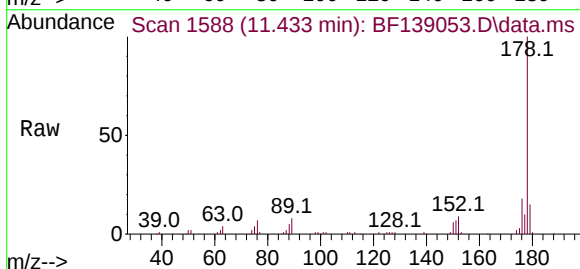
Tgt Ion:178 Resp: 55287

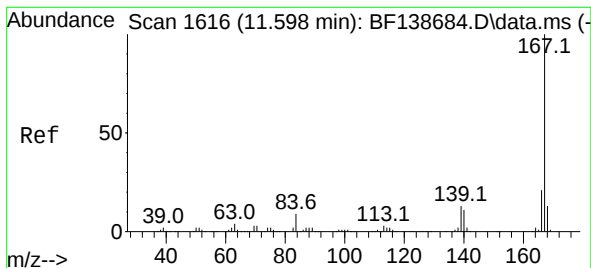
Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

179 14.9 12.4 18.6





#73

Carbazole

Concen: 5.377 ng

RT: 11.598 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139053.D

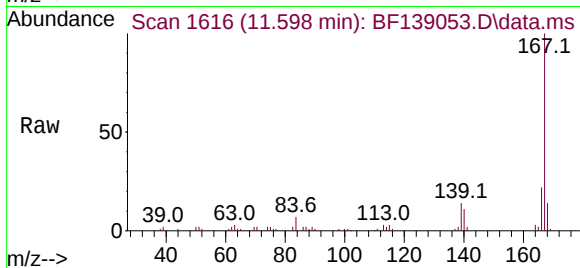
Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



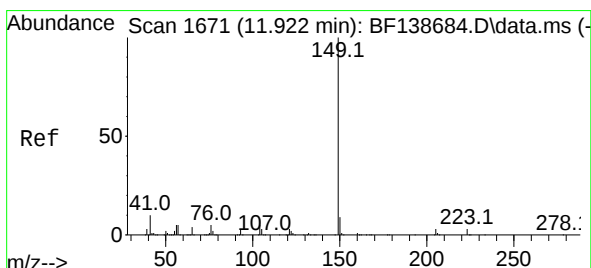
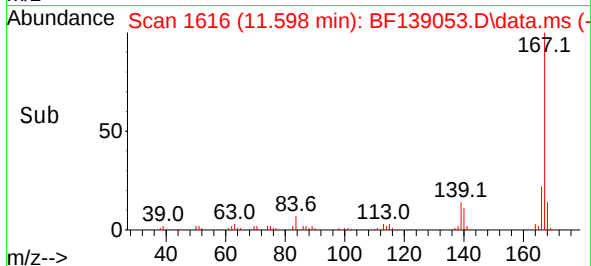
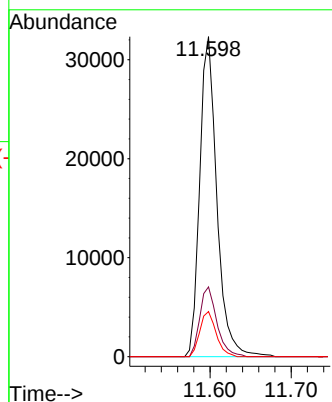
Tgt Ion:167 Resp: 47534

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 14.1 10.6 16.0



#74

Di-n-butylphthalate

Concen: 6.015 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

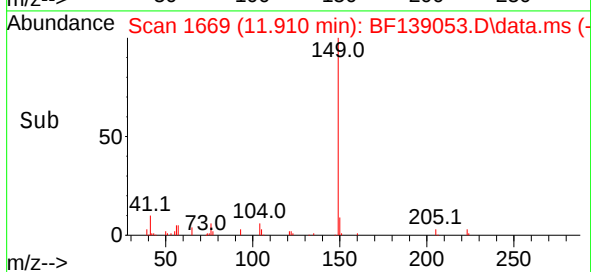
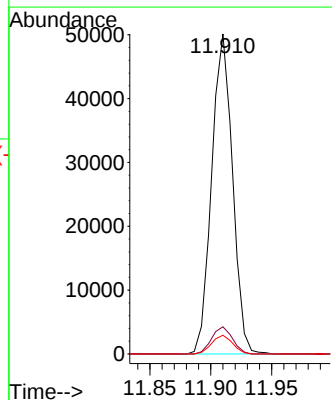
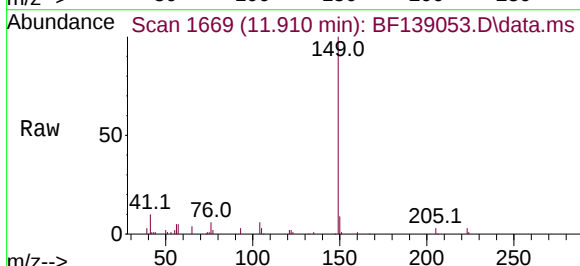
Tgt Ion:149 Resp: 59776

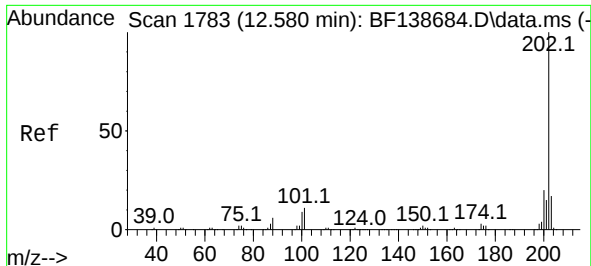
Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.0

104 5.9 4.1 6.1





#75

Fluoranthene

Concen: 5.466 ng

RT: 12.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

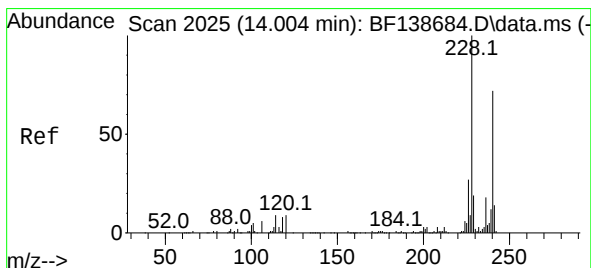
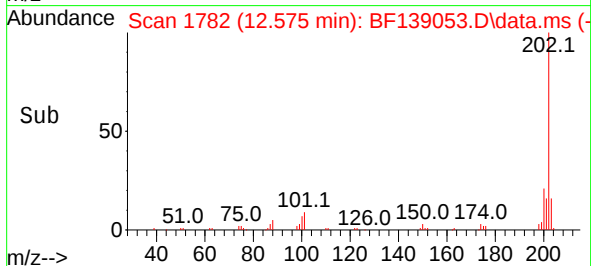
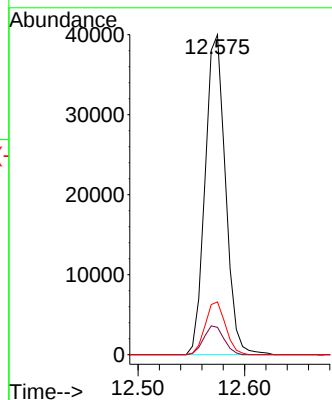
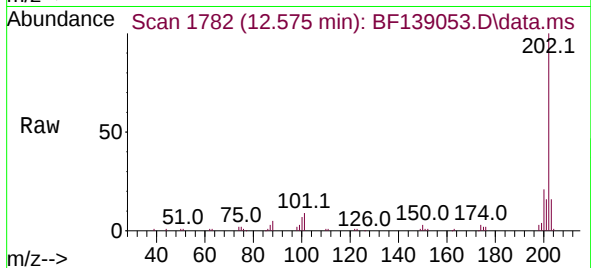
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:202	Resp:	53073
Ion Ratio	Lower	Upper
202	100	
101	8.5	0.0 31.2
203	16.5	0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

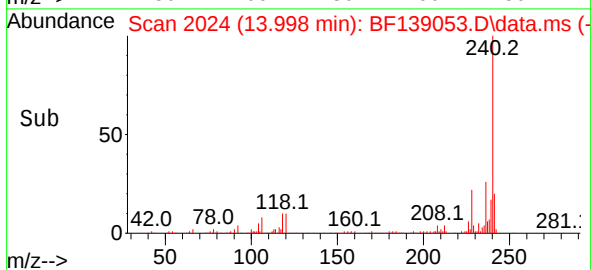
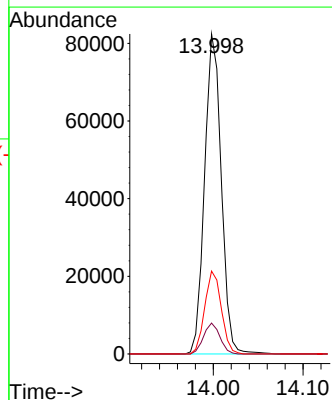
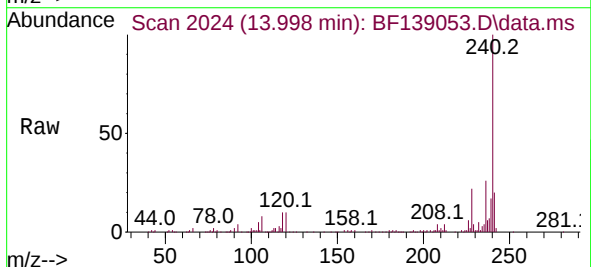
RT: 13.998 min Scan# 2024

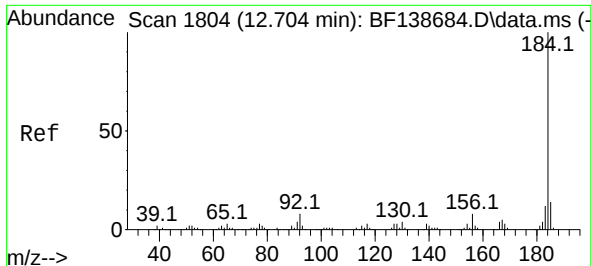
Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:240	Resp:	106531
Ion Ratio	Lower	Upper
240	100	
120	9.7	10.2 15.4#
236	25.9	19.8 29.8

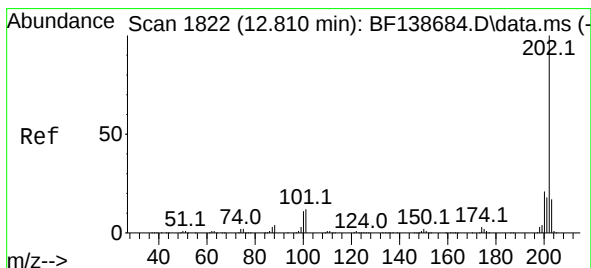
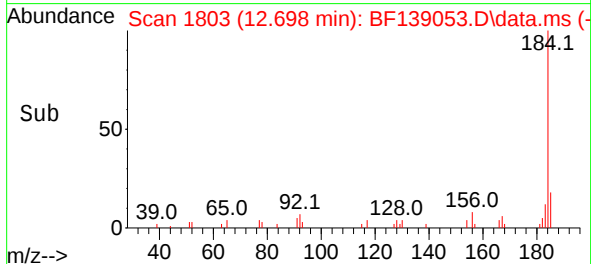
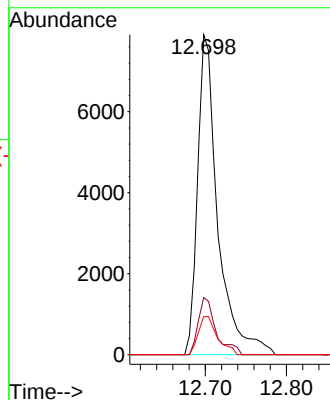
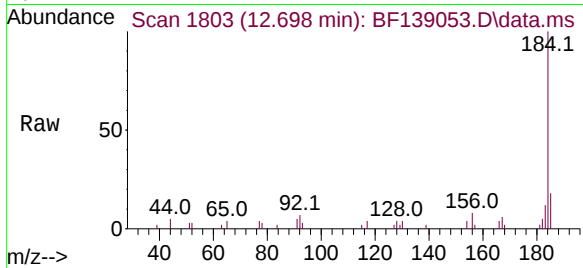




#77
Benzidine
Concen: 5.363 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

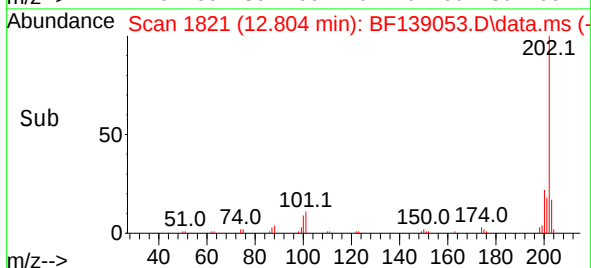
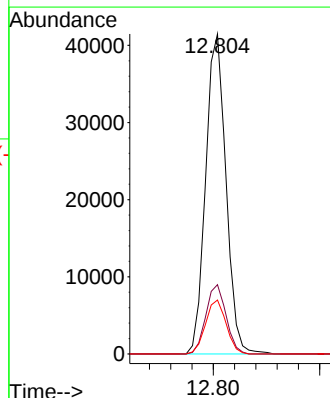
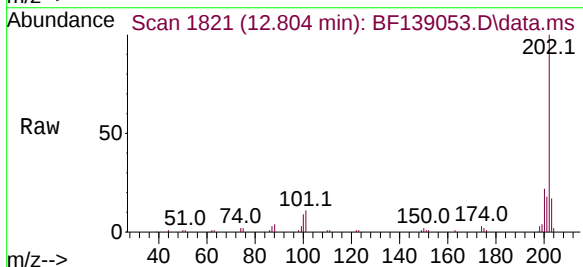
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

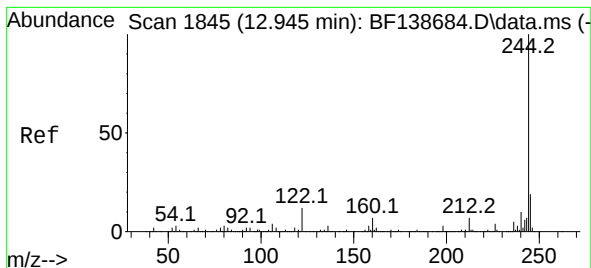
Tgt Ion:184 Resp: 13666
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 11.9 9.6 14.4



#78
Pyrene
Concen: 5.476 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139053.D
Acq: 16 Aug 2024 12:14

Tgt Ion:202 Resp: 54930
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 106.416 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

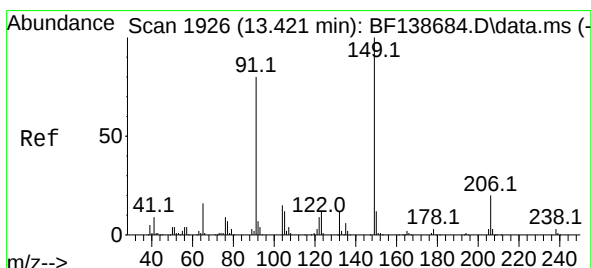
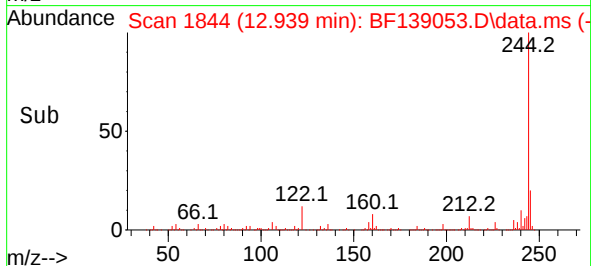
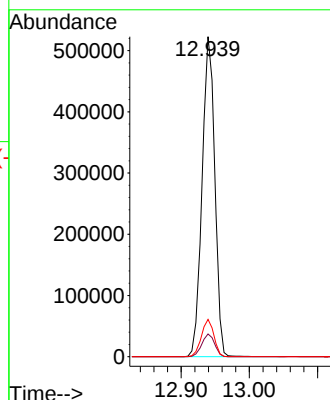
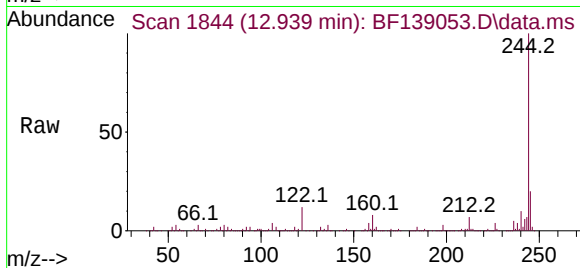
Tgt Ion:244 Resp: 677107

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.6 9.6 14.4



#80

Butylbenzylphthalate

Concen: 6.104 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

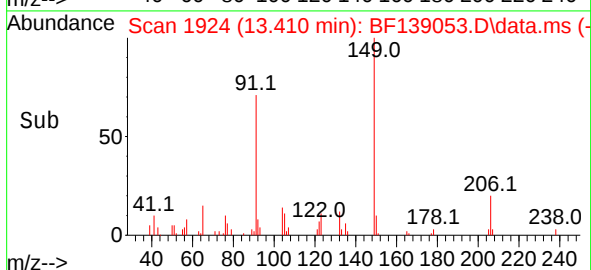
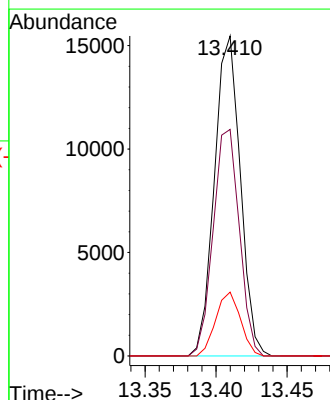
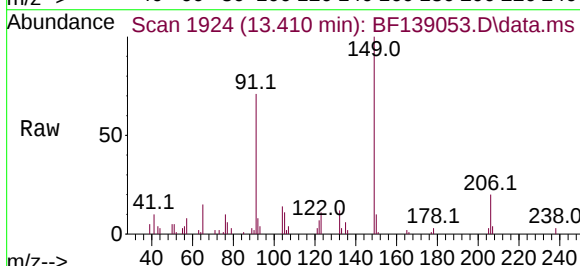
Tgt Ion:149 Resp: 19607

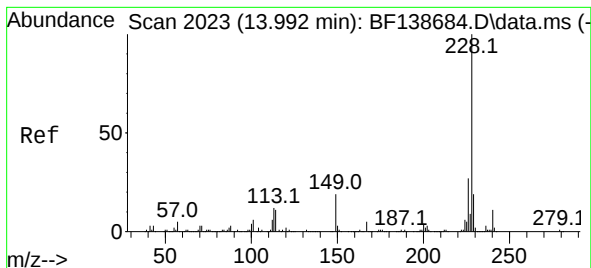
Ion Ratio Lower Upper

149 100

91 70.8 63.7 95.5

206 20.0 16.2 24.2





#81

Benzo(a)anthracene

Concen: 5.354 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

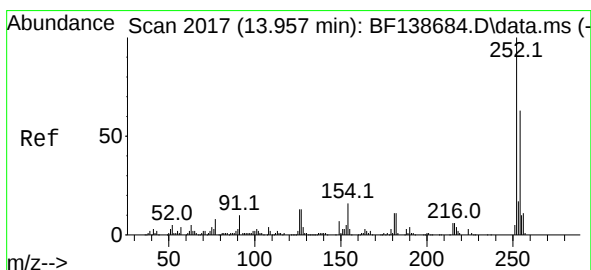
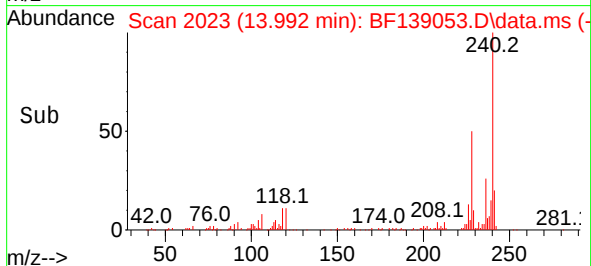
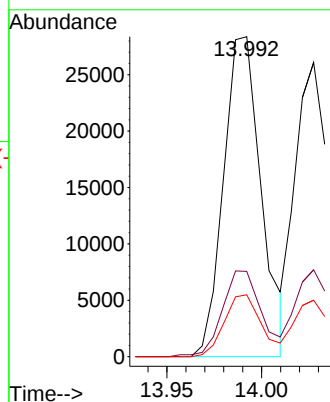
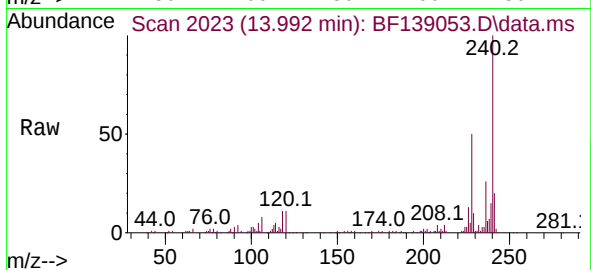
Tgt Ion:228 Resp: 39274

Ion Ratio Lower Upper

228 100

226 26.7 22.1 33.1

229 19.3 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 5.571 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

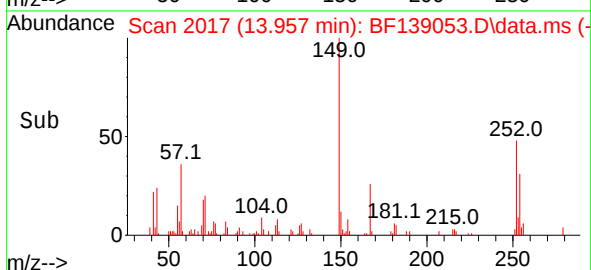
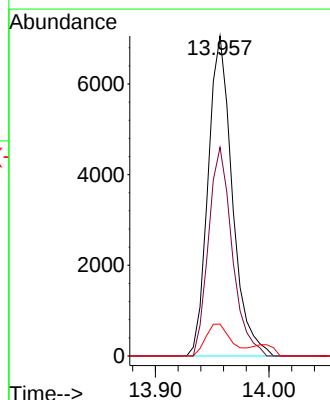
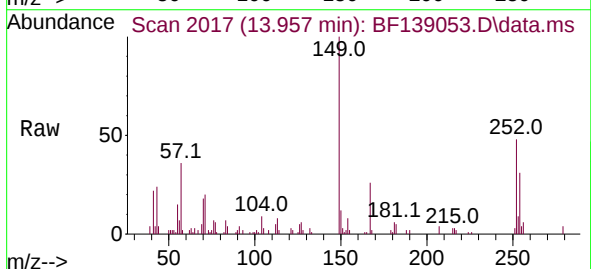
Tgt Ion:252 Resp: 10458

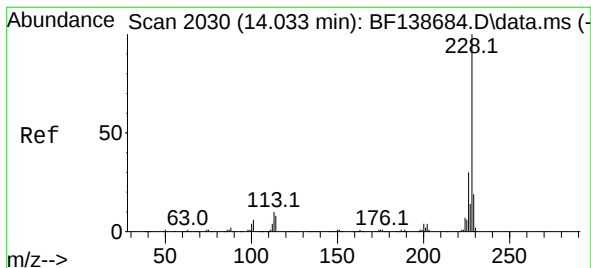
Ion Ratio Lower Upper

252 100

254 65.2 50.8 76.2

126 9.9 10.2 15.2#





#83

Chrysene

Concen: 5.023 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

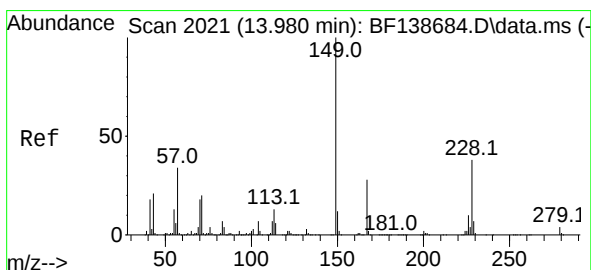
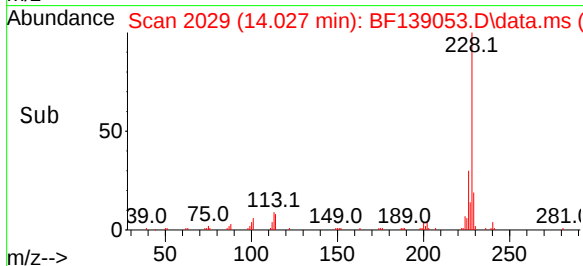
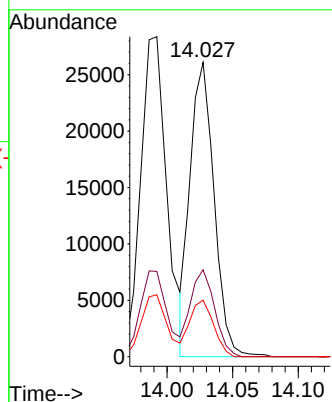
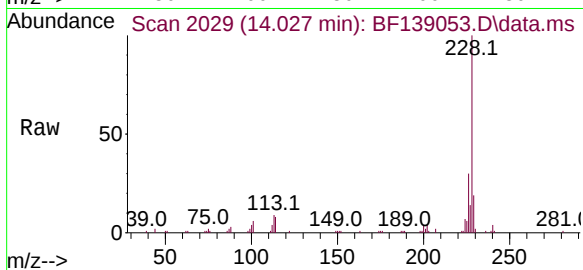
Tgt Ion:228 Resp: 33243

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.2 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.403 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

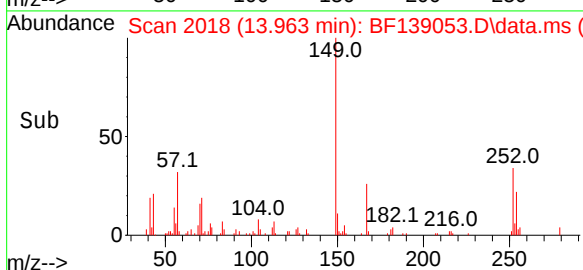
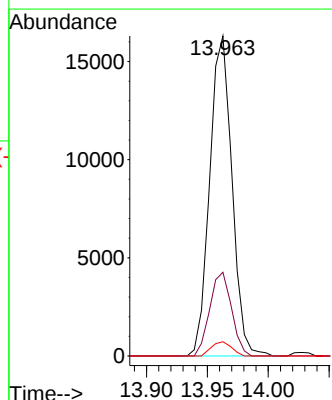
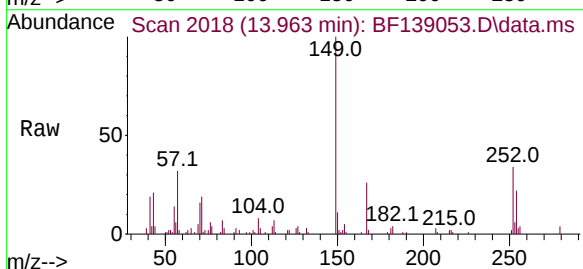
Tgt Ion:149 Resp: 20710

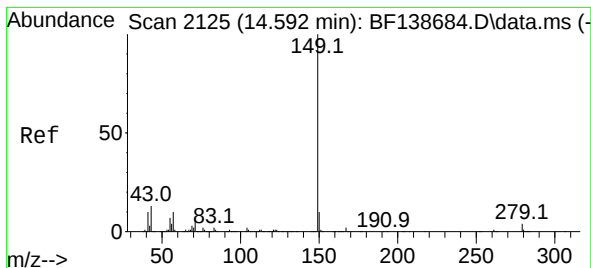
Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.4

279 4.4 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 3.264 ng

RT: 14.574 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF139053.D

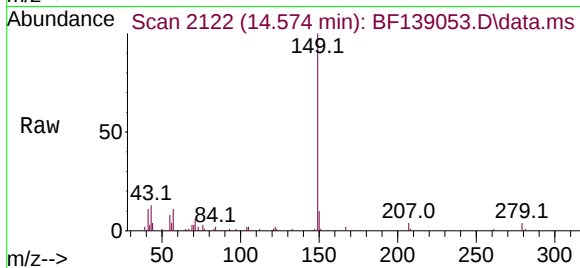
Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



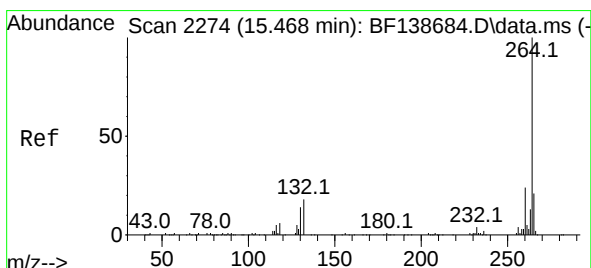
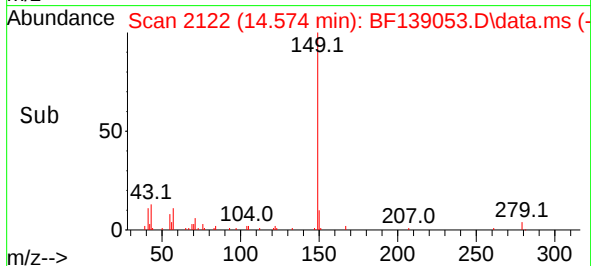
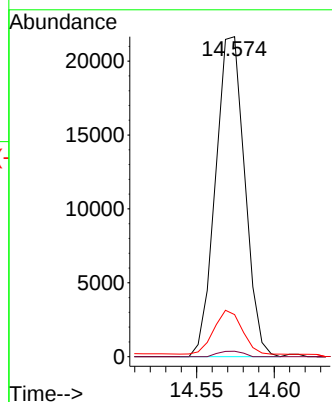
Tgt Ion:149 Resp: 28400

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 16.3 10.4 15.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

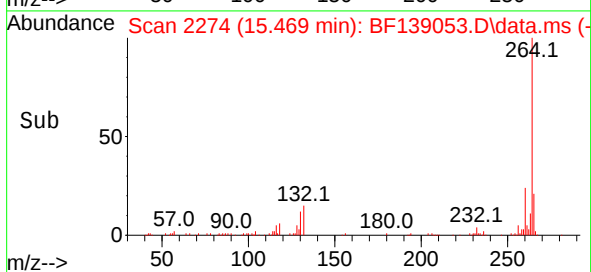
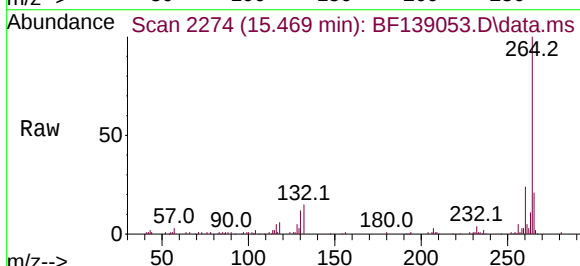
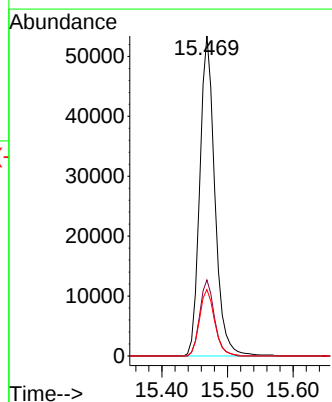
Tgt Ion:264 Resp: 85586

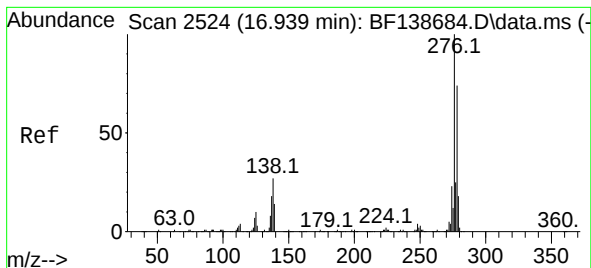
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 20.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.358 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

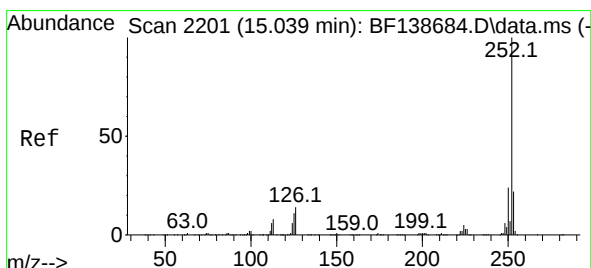
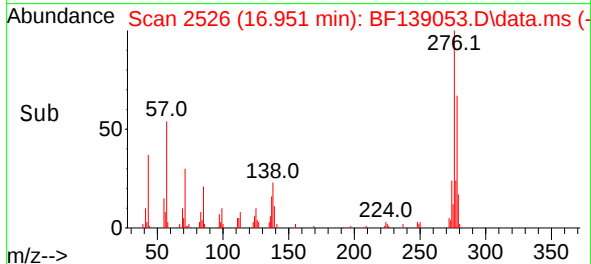
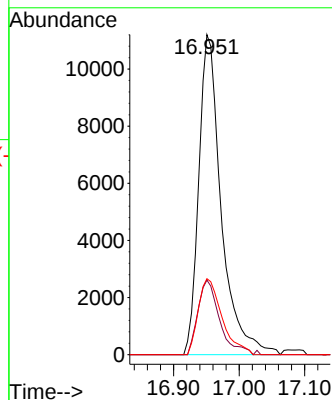
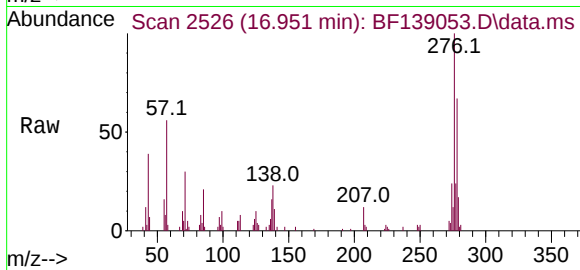
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:276	Resp:	26731
Ion Ratio	Lower	Upper
276	100	
138	22.6	21.8 32.8
277	25.0	20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 5.376 ng

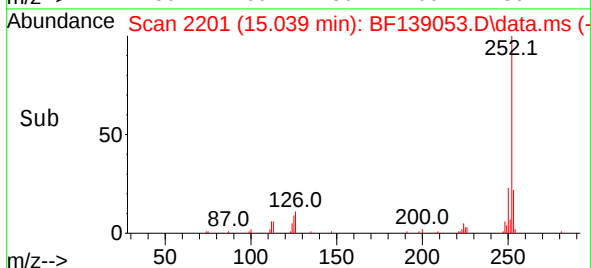
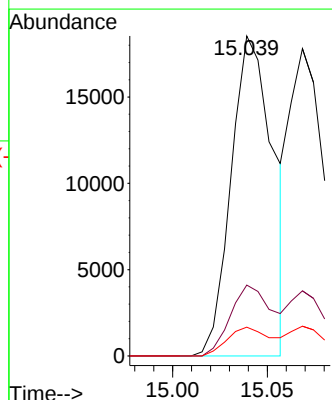
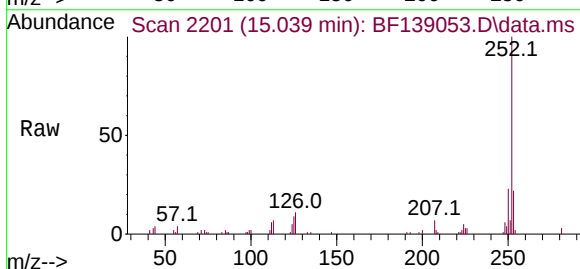
RT: 15.039 min Scan# 2201

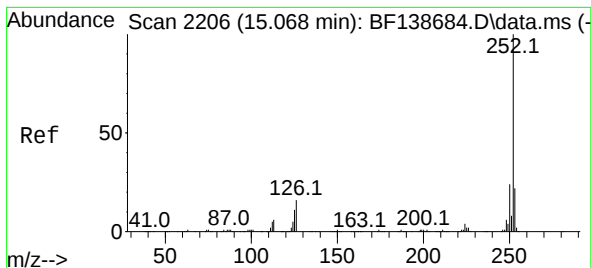
Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:252	Resp:	28521
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.5 26.3
125	9.0	8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 5.319 ng

RT: 15.069 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

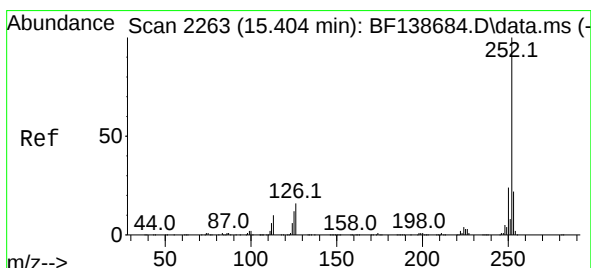
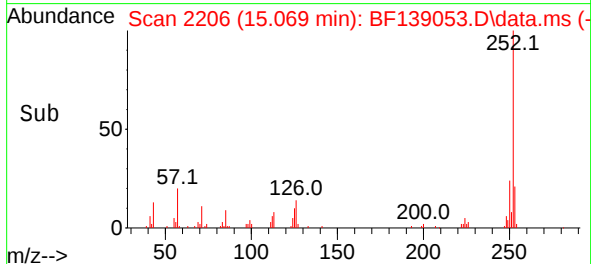
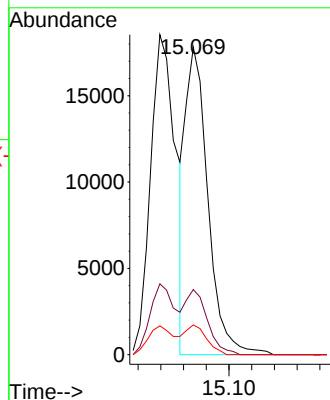
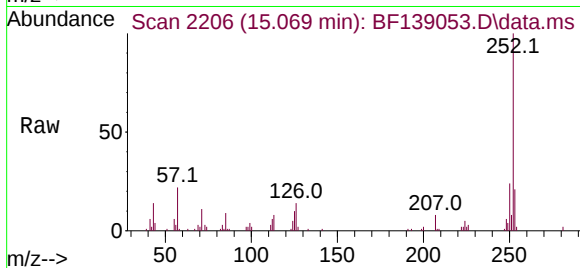
Tgt Ion:252 Resp: 24435

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 9.7 8.6 13.0



#90

Benzo(a)pyrene

Concen: 5.550 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

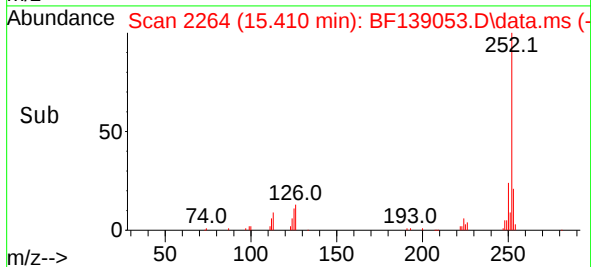
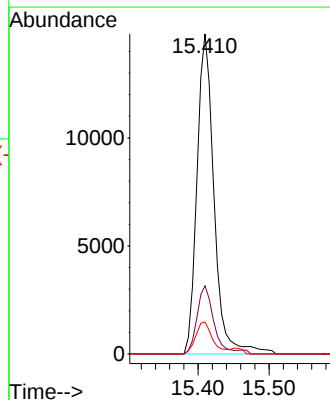
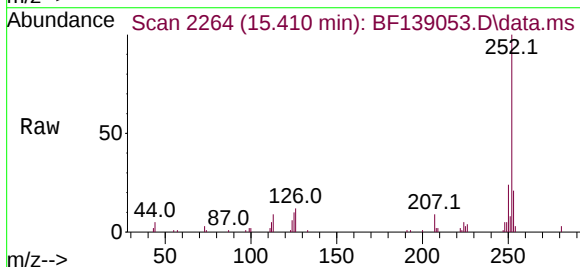
Tgt Ion:252 Resp: 24769

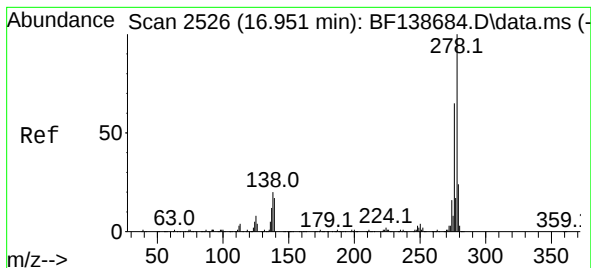
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 10.0 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 4.264 ng

RT: 16.957 min Scan# 21468

Delta R.T. 0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

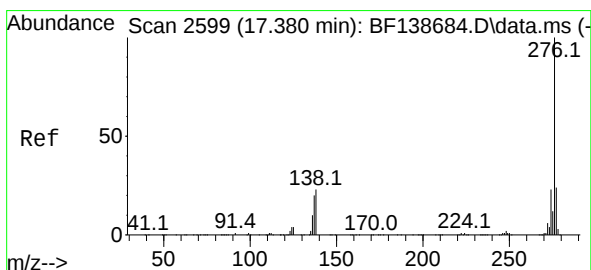
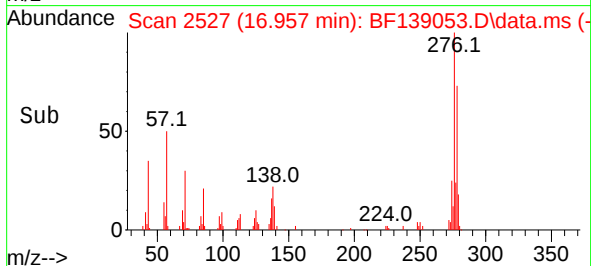
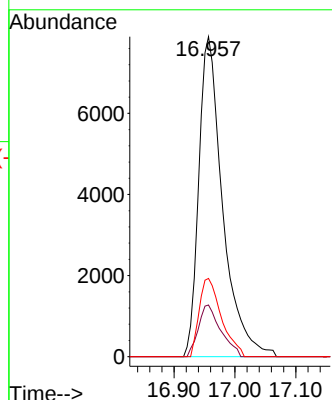
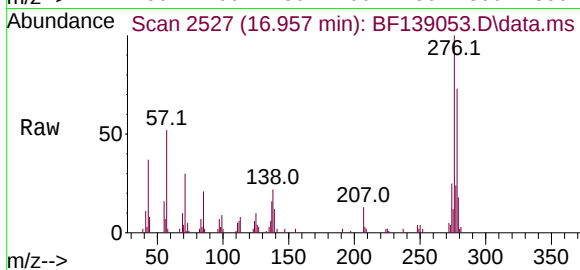
Tgt Ion:278 Resp: 21468

Ion Ratio Lower Upper

278 100

139 16.2 14.0 21.0

279 24.5 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 4.027 ng

RT: 17.404 min Scan# 2603

Delta R.T. 0.024 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:276 Resp: 21038

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 19.1 18.5 27.7

