

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
 Data File : BF139056.D
 Acq On : 16 Aug 2024 14:24
 Operator : RC/JU
 Sample : P3390-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 16 16:31:09 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	48003	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	194786	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	111416	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	198370	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	101028	20.000	ng	0.00
86) Perylene-d12	15.468	264	82547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	423238	136.102	ng	0.00
7) Phenol-d6	6.487	99	582707	139.567	ng	0.00
23) Nitrobenzene-d5	7.404	82	386371	96.979	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	137552	150.718	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	712833	96.129	ng	-0.01
79) Terphenyl-d14	12.939	244	674634	111.803	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.587	88	14718	10.811	ng	Qvalue
3) Pyridine	3.416	79	29729m	9.014	ng	# 93
4) n-Nitrosodimethylamine	3.304	42	23367	11.896	ng	# 75
6) Aniline	6.504	93	48750	13.093	ng	# 59
8) 2-Chlorophenol	6.628	128	37766	11.543	ng	96
9) Benzaldehyde	6.398	77	32951	13.166	ng	98
10) Phenol	6.498	94	50739	11.542	ng	# 55
11) bis(2-Chloroethyl)ether	6.575	93	37003	10.939	ng	100
12) 1,3-Dichlorobenzene	6.775	146	39519	10.791	ng	97
13) 1,4-Dichlorobenzene	6.851	146	41989	11.361	ng	99
14) 1,2-Dichlorobenzene	7.004	146	38927	11.270	ng	99
15) Benzyl Alcohol	6.992	79	39217	13.032	ng	89
16) 2,2'-oxybis(1-Chloropr...	7.104	45	66707	11.458	ng	51
17) 2-Methylphenol	7.104	107	30458	11.274	ng	# 83
18) Hexachloroethane	7.339	117	16043	11.531	ng	96
19) n-Nitroso-di-n-propyla...	7.245	70	29897	11.856	ng	93
20) 3+4-Methylphenols	7.263	107	40254	11.613	ng	# 61
22) Acetophenone	7.245	105	58059	12.173	ng	96
24) Nitrobenzene	7.422	77	46952	11.581	ng	98
25) Isophorone	7.657	82	82250	12.090	ng	98
26) 2-Nitrophenol	7.739	139	20481	11.742	ng	90
27) 2,4-Dimethylphenol	7.781	122	21460	10.283	ng	95
28) bis(2-Chloroethoxy)met...	7.863	93	46387	11.197	ng	97
29) 2,4-Dichlorophenol	7.992	162	30945	11.540	ng	98
30) 1,2,4-Trichlorobenzene	8.057	180	34579	11.174	ng	99
31) Naphthalene	8.139	128	114756	11.193	ng	98
32) Benzoic acid	7.916	122	19291	11.760	ng	93
33) 4-Chloroaniline	8.198	127	42929	12.473	ng	99
34) Hexachlorobutadiene	8.245	225	21616	11.532	ng	100
35) Caprolactam	8.551	113	9873	12.339	ng	92
36) 4-Chloro-3-methylphenol	8.681	107	35653	11.634	ng	97
37) 2-Methylnaphthalene	8.828	142	72493	11.195	ng	99
38) 1-Methylnaphthalene	8.928	142	69551	10.961	ng	100
40) 1,2,4,5-Tetrachloroben...	8.992	216	35461	11.457	ng	99
41) Hexachlorocyclopentadiene	8.975	237	1224	8.330	ng	93
43) 2,4,6-Trichlorophenol	9.116	196	20405	10.813	ng	100

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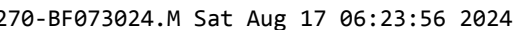
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	21134	10.245	ng	96
46) 1,1'-Biphenyl	9.286	154	99838	11.442	ng	99
47) 2-Chloronaphthalene	9.316	162	73865	11.382	ng	98
48) 2-Nitroaniline	9.422	65	25947	11.794	ng	92
49) Acenaphthylene	9.728	152	115485	12.547	ng	99
50) Dimethylphthalate	9.586	163	88514	12.425	ng	100
51) 2,6-Dinitrotoluene	9.657	165	18936	11.778	ng	# 83
52) Acenaphthene	9.898	154	69785	11.279	ng	98
53) 3-Nitroaniline	9.833	138	18421	11.083	ng	96
54) 2,4-Dinitrophenol	9.963	184	8000	10.809	ng	# 84
55) Dibenzofuran	10.075	168	106972	12.248	ng	97
56) 4-Nitrophenol	10.028	139	12104	12.110	ng	89
57) 2,4-Dinitrotoluene	10.069	165	24662	12.023	ng	# 73
58) Fluorene	10.416	166	85067	12.231	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	18507m	11.734	ng	
60) Diethylphthalate	10.286	149	87330	12.928	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	40761	11.916	ng	93
62) 4-Nitroaniline	10.445	138	16255m	10.291	ng	
63) Azobenzene	10.569	77	92768	12.383	ng	96
65) 4,6-Dinitro-2-methylph...	10.486	198	10614	8.770	ng	90
66) n-Nitrosodiphenylamine	10.528	169	71237	11.489	ng	100
67) 4-Bromophenyl-phenylether	10.898	248	23310	10.853	ng	98
68) Hexachlorobenzene	10.963	284	24393	11.000	ng	95
69) Atrazine	11.051	200	23685	14.805	ng	99
70) Pentachlorophenol	11.175	266	11744	11.749	ng	97
71) Phenanthrene	11.380	178	119860	11.734	ng	100
72) Anthracene	11.433	178	117795	11.706	ng	100
73) Carbazole	11.592	167	97105	11.185	ng	97
74) Di-n-butylphthalate	11.910	149	130748	13.397	ng	99
75) Fluoranthene	12.569	202	113503	11.903	ng	98
77) Benzidine	12.698	184	29353	12.147	ng	98
78) Pyrene	12.804	202	116034	12.199	ng	99
80) Butylbenzylphthalate	13.410	149	40321	13.237	ng	97
81) Benzo(a)anthracene	13.992	228	79299	11.398	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	22700	12.750	ng	98
83) Chrysene	14.027	228	69123	11.013	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	45161	10.125	ng	99
85) Di-n-octyl phthalate	14.574	149	62440	7.566	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.945	276	59969	10.137	ng	97
88) Benzo(b)fluoranthene	15.039	252	65667m	12.833	ng	
89) Benzo(k)fluoranthene	15.068	252	48151	10.868	ng	99
90) Benzo(a)pyrene	15.410	252	51609	11.990	ng	96
91) Dibenzo(a,h)anthracene	16.951	278	48238	9.934	ng	98
92) Benzo(g,h,i)perylene	17.398	276	48325	9.590	ng	94

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

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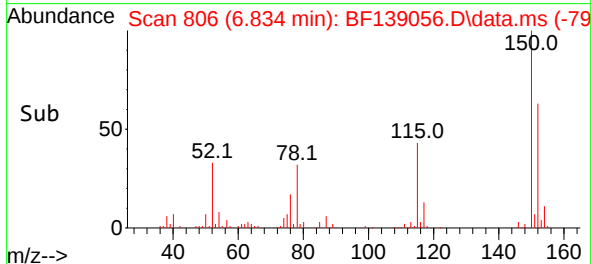
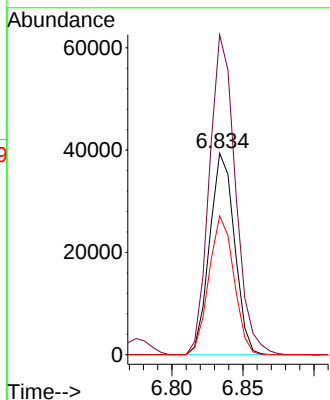
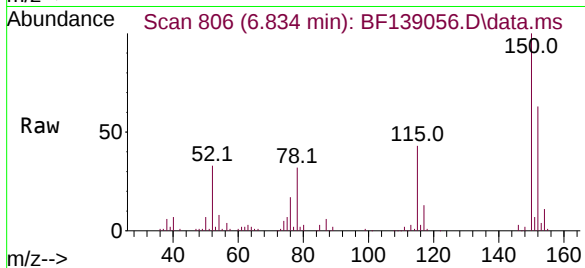




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

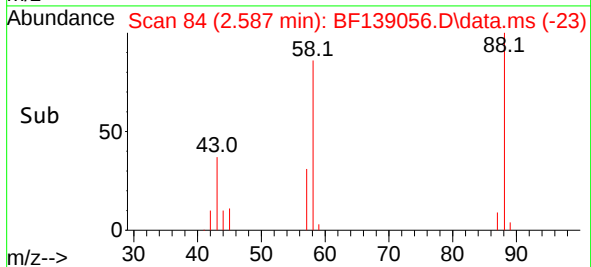
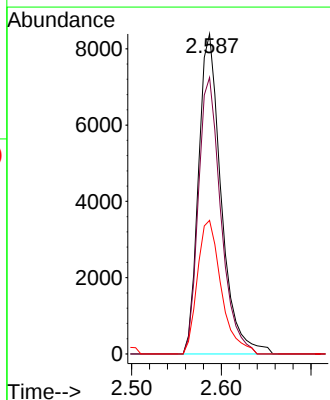
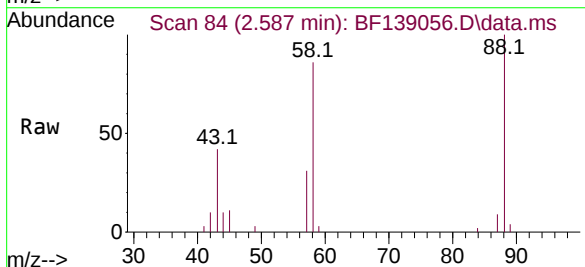
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:152 Resp: 48003
Ion Ratio Lower Upper
152 100
150 158.9 126.0 189.0
115 68.9 51.7 77.5



#2
1,4-Dioxane
Concen: 10.811 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 88 Resp: 14718
Ion Ratio Lower Upper
88 100
58 85.6 71.6 107.4
43 43.9 28.7 43.1#

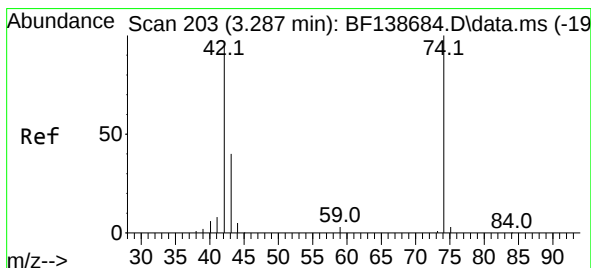
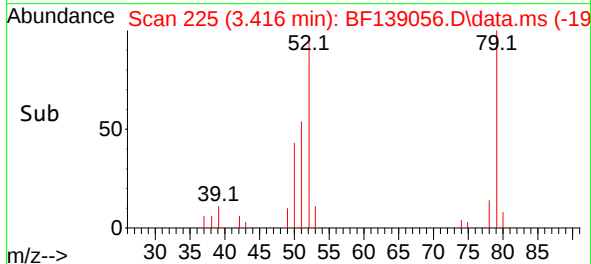
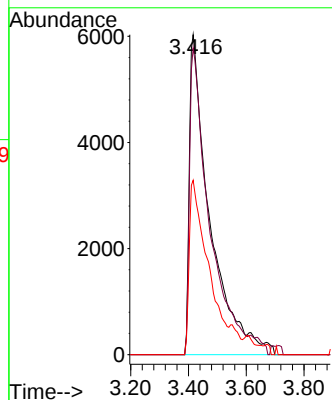
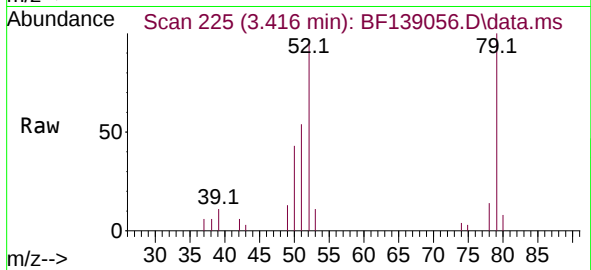




#3
Pyridine
Concen: 9.014 ng m
RT: 3.416 min Scan# 211
Delta R.T. 0.082 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

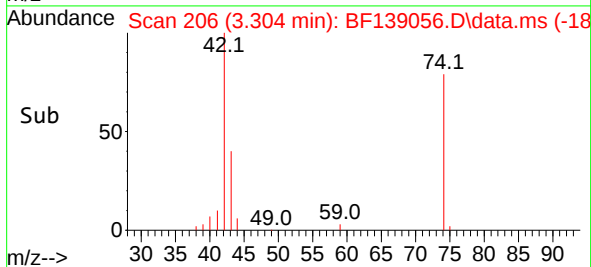
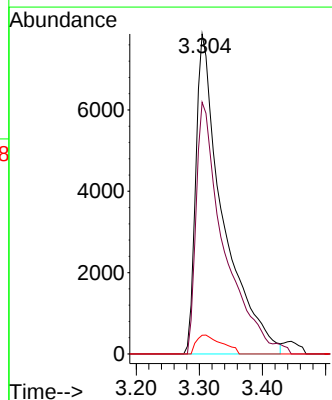
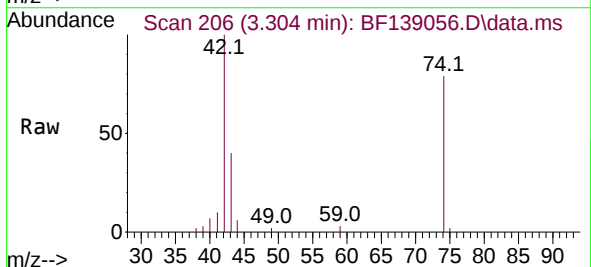
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 79 Resp: 29729
Ion Ratio Lower Upper
79 100
52 95.9 74.7 112.1
51 54.5 34.6 51.8#



#4
n-Nitrosodimethylamine
Concen: 11.896 ng
RT: 3.304 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 42 Resp: 23367
Ion Ratio Lower Upper
42 100
74 78.6 84.2 126.4#
44 5.9 4.9 7.3

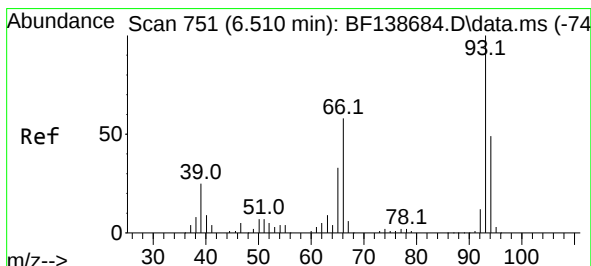
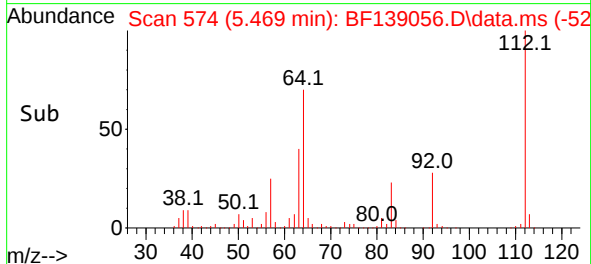
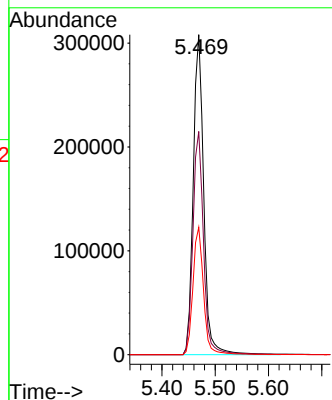
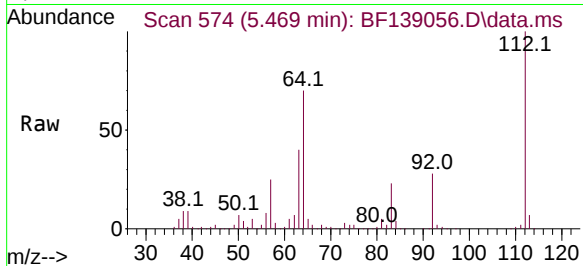




#5
2-Fluorophenol
Concen: 136.102 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

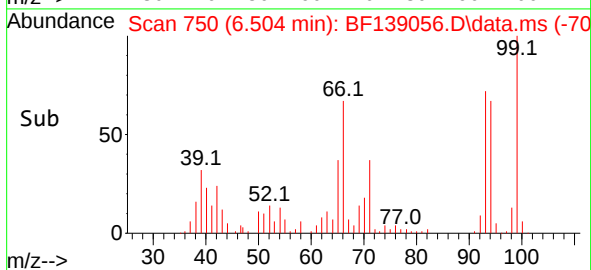
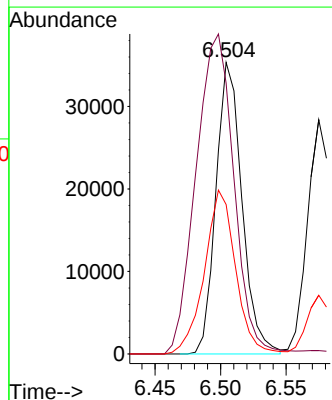
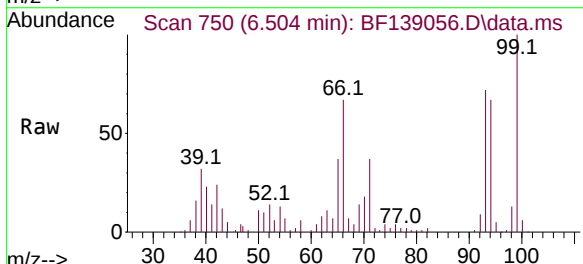
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:112 Resp: 423238
Ion Ratio Lower Upper
112 100
64 69.8 54.2 81.4
63 39.8 28.7 43.1



#6
Aniline
Concen: 13.093 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 93 Resp: 48750
Ion Ratio Lower Upper
93 100
66 92.9 46.9 70.3#
65 51.3 26.5 39.7#





#7

Phenol-d6

Concen: 139.567 ng

RT: 6.487 min Scan# 747

Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

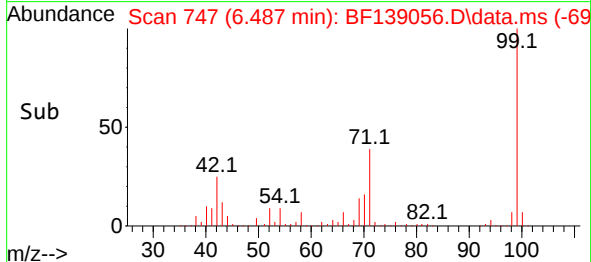
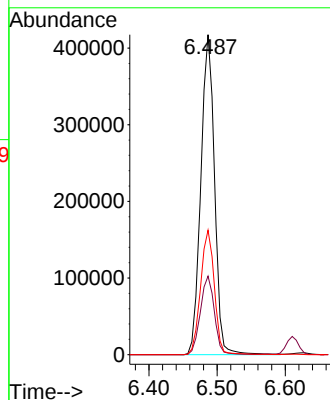
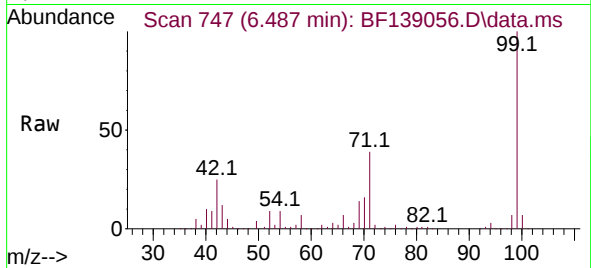
Tgt Ion: 99 Resp: 582707

Ion Ratio Lower Upper

99 100

42 24.6 17.4 26.0

71 38.9 28.1 42.1



#8

2-Chlorophenol

Concen: 11.543 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

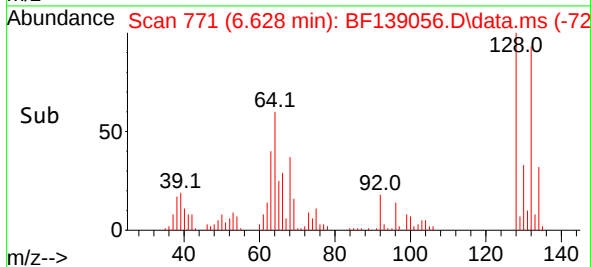
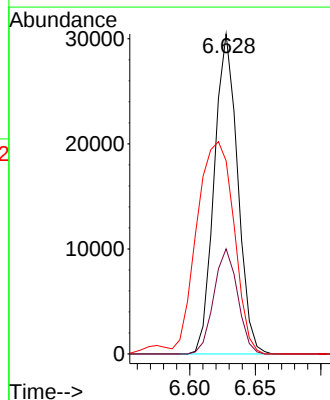
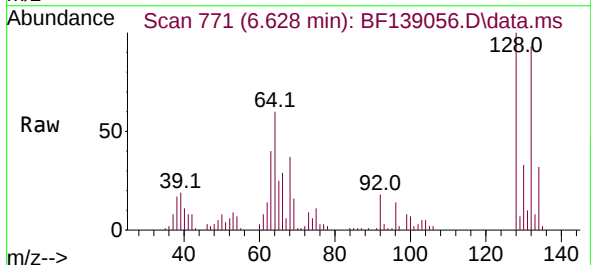
Tgt Ion: 128 Resp: 37766

Ion Ratio Lower Upper

128 100

130 32.9 12.0 52.0

64 60.4 36.3 76.3





#9

Benzaldehyde

Concen: 13.166 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

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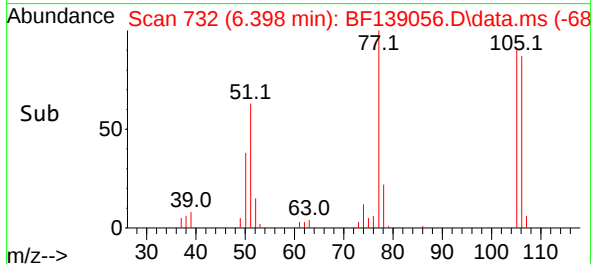
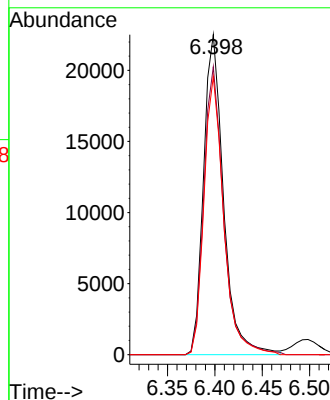
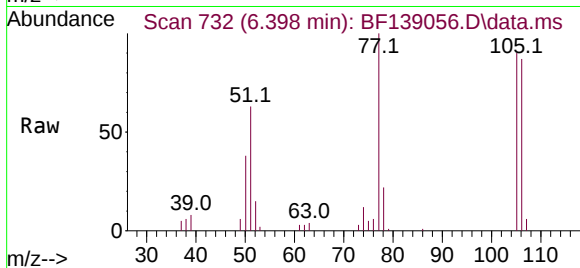
Tgt Ion: 77 Resp: 32951

Ion Ratio Lower Upper

77 100

105 89.9 72.9 112.9

106 86.9 68.4 108.4



#10

Phenol

Concen: 11.542 ng

RT: 6.498 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

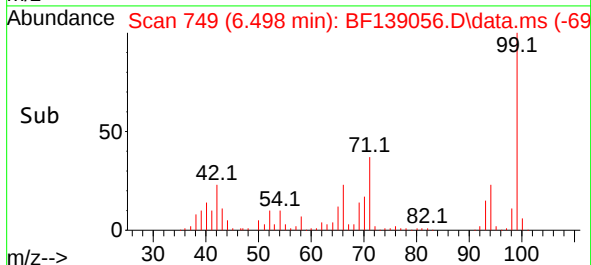
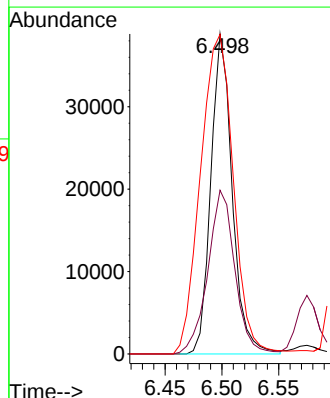
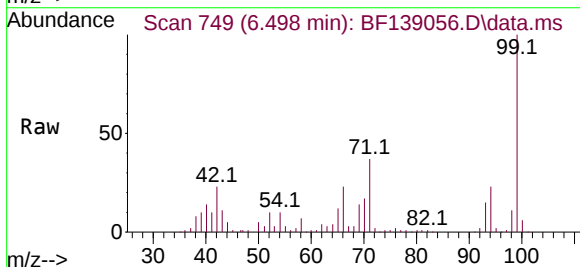
Tgt Ion: 94 Resp: 50739

Ion Ratio Lower Upper

94 100

65 51.1 16.9 56.9

66 99.9 36.5 76.5#

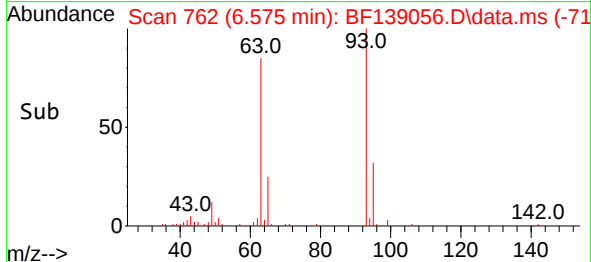
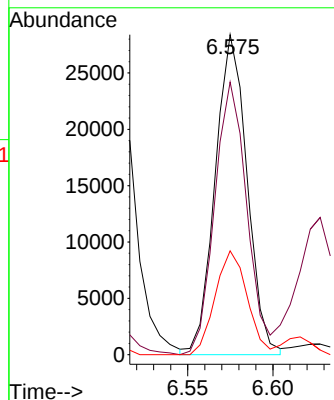
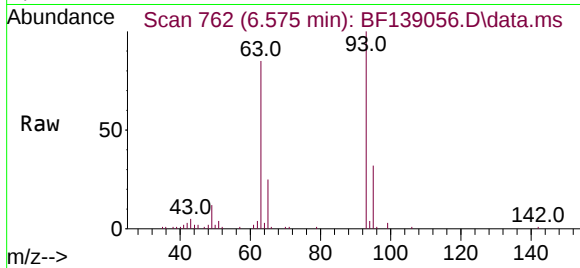




#11
bis(2-Chloroethyl)ether
Concen: 10.939 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF139056.D
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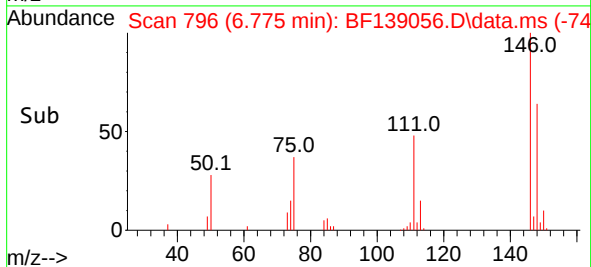
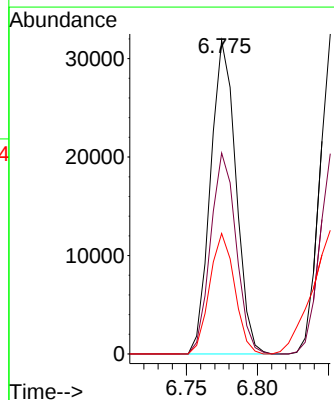
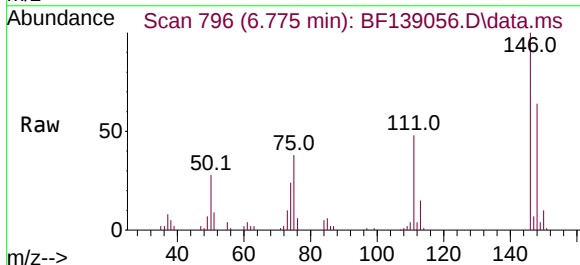
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 93 Resp: 37003
Ion Ratio Lower Upper
93 100
63 85.2 65.3 105.3
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 10.791 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:146 Resp: 39519
Ion Ratio Lower Upper
146 100
148 64.1 51.2 76.8
75 38.5 27.4 41.2

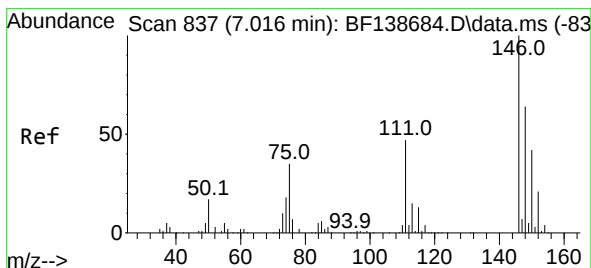
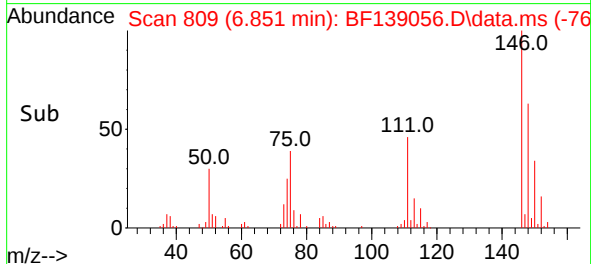
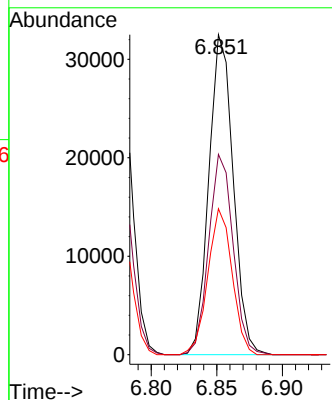
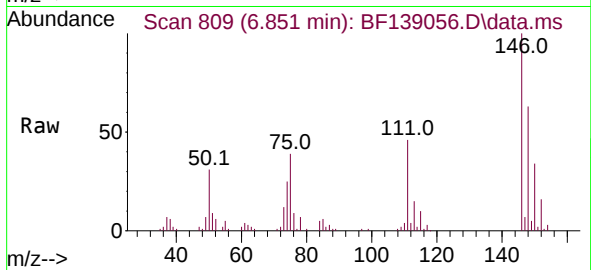




#13
1,4-Dichlorobenzene
Concen: 11.361 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

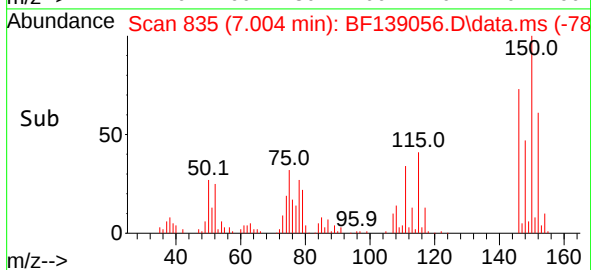
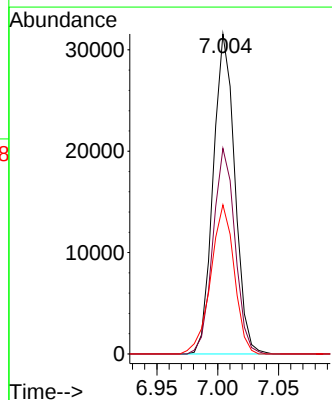
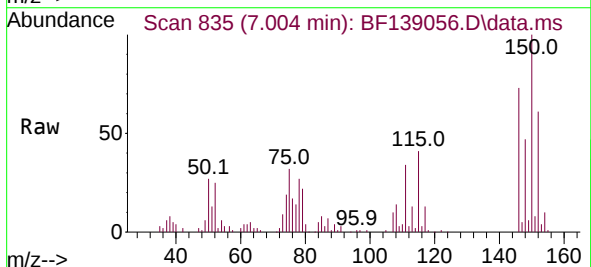
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

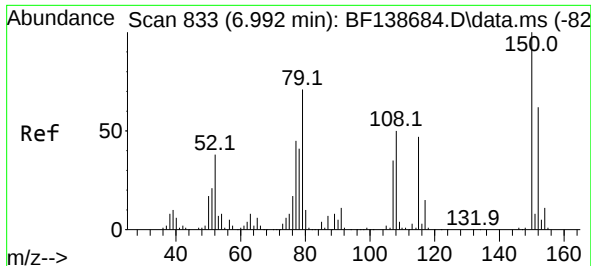
Tgt Ion:146 Resp: 41989
Ion Ratio Lower Upper
146 100
148 62.6 50.2 75.2
111 45.6 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 11.270 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:146 Resp: 38927
Ion Ratio Lower Upper
146 100
148 64.3 50.8 76.2
111 46.6 37.4 56.2

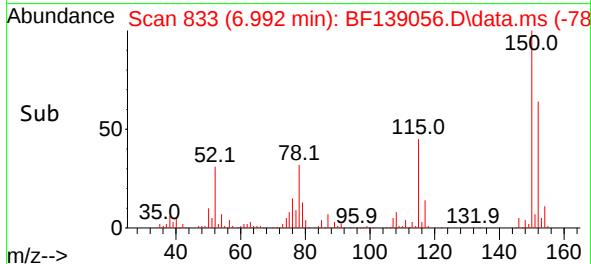
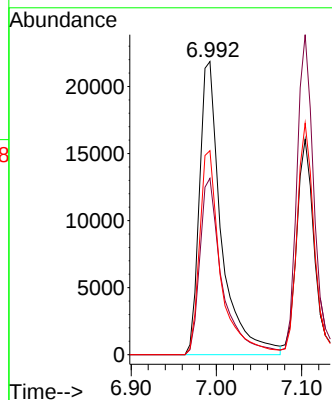
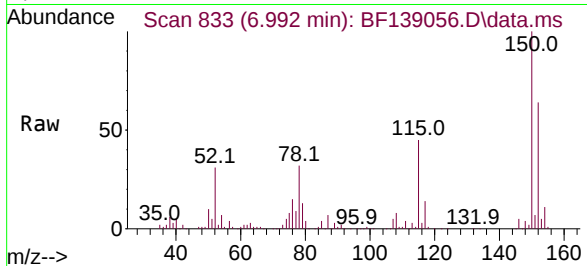




#15
Benzyl Alcohol
Concen: 13.032 ng
RT: 6.992 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

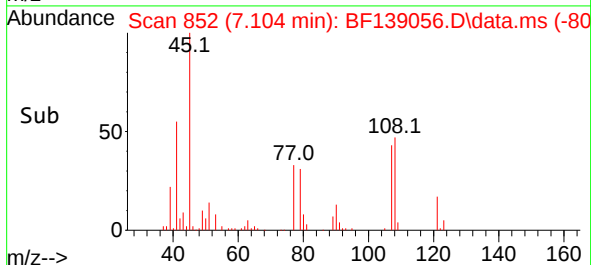
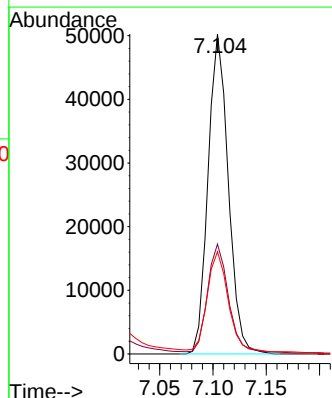
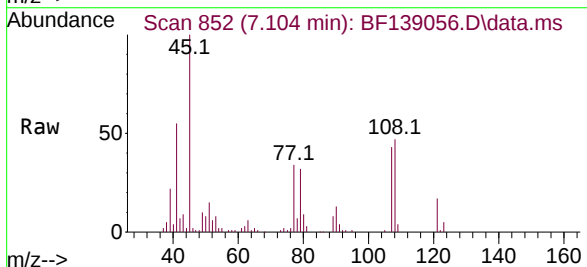
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion: 79 Resp: 39217
Ion Ratio Lower Upper
79 100
108 60.1 56.6 85.0
77 69.6 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.458 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 45 Resp: 66707
Ion Ratio Lower Upper
45 100
77 34.3 0.0 34.9
79 31.9 0.0 32.2

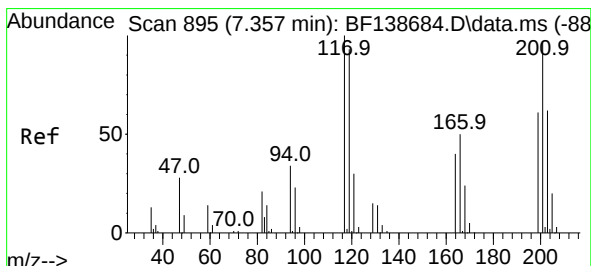
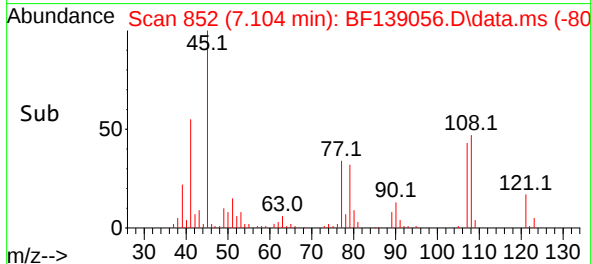
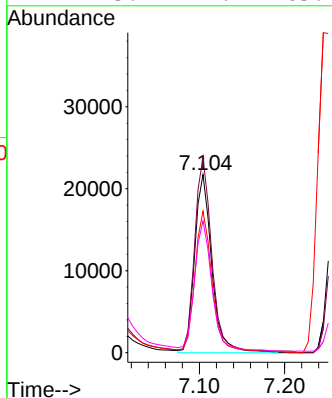
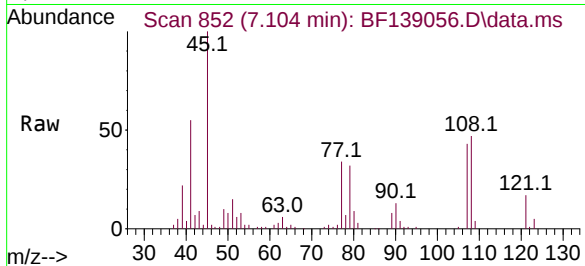




#17
2-Methylphenol
Concen: 11.274 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

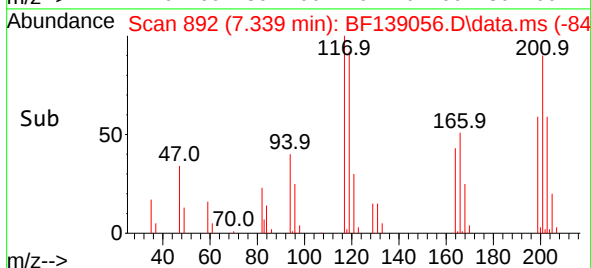
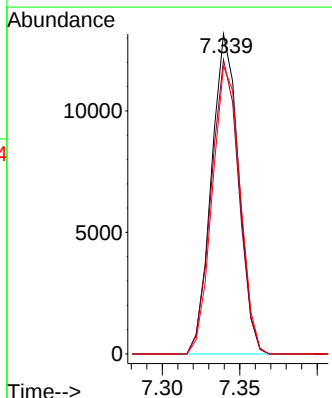
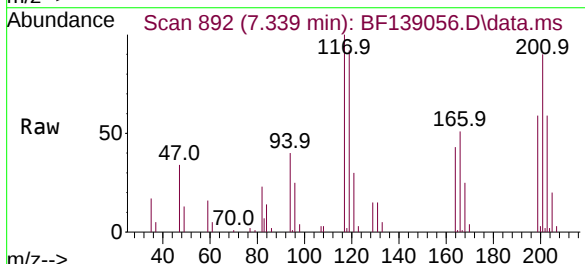
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:	107	Resp:	30458
Ion	Ratio	Lower	Upper
107	100		
108	109.8	89.2	133.8
77	79.5	43.0	64.4#
79	73.9	42.2	63.2#



#18
Hexachloroethane
Concen: 11.531 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

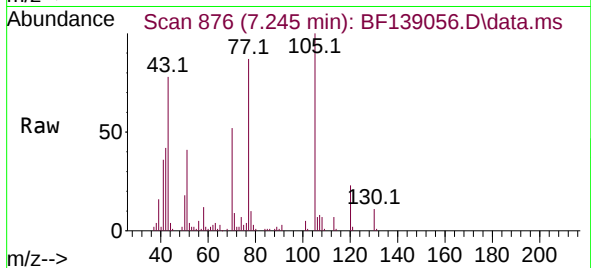
Tgt Ion:	117	Resp:	16043
Ion	Ratio	Lower	Upper
117	100		
119	92.0	74.6	111.8
201	90.0	77.2	115.8



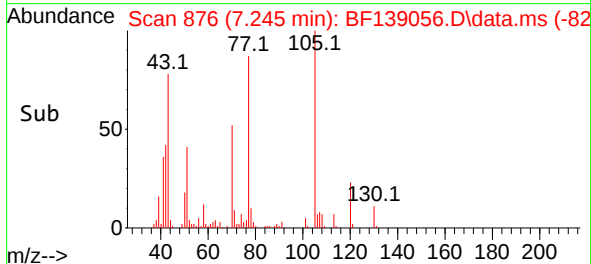
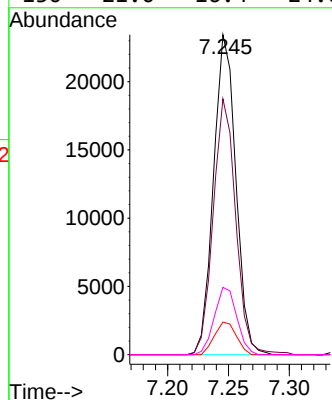


#19
n-Nitroso-di-n-propylamine
Concen: 11.856 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

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

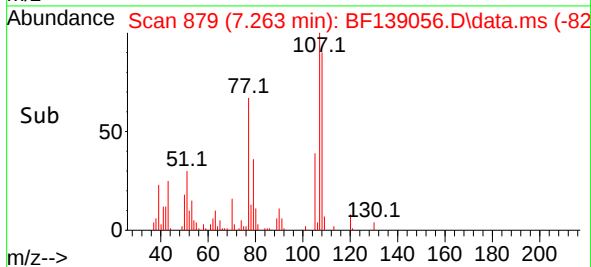
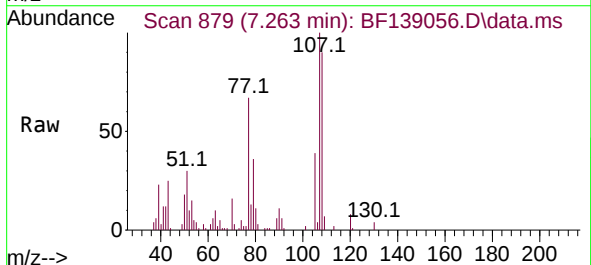
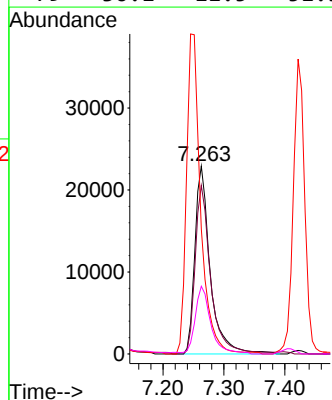


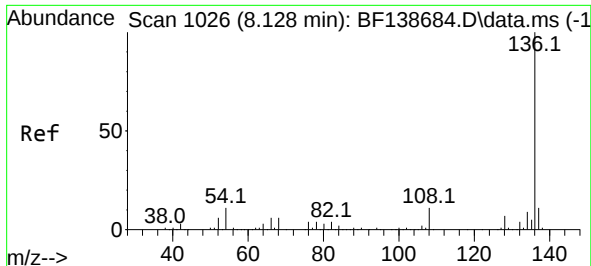
Tgt Ion:	70	Resp:	29897
Ion	Ratio	Lower	Upper
70	100		
42	79.9	57.4	86.0
101	10.2	7.5	11.3
130	21.0	16.4	24.6



#20
3+4-Methylphenols
Concen: 11.613 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

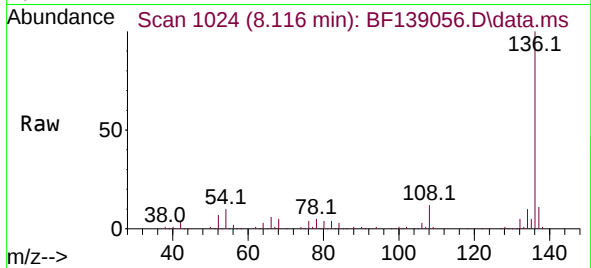
Tgt Ion:	107	Resp:	40254
Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.2	108.2
77	66.6	132.1	172.1#
79	36.1	11.5	51.5



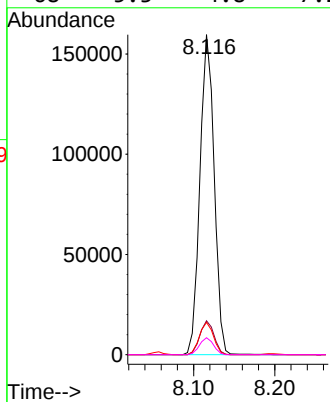
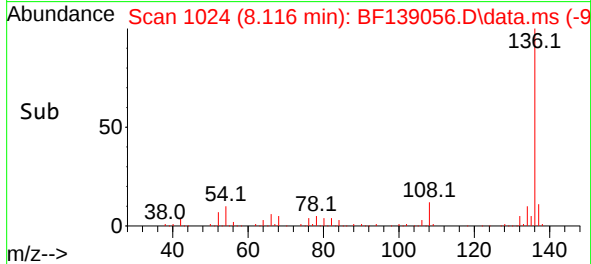


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

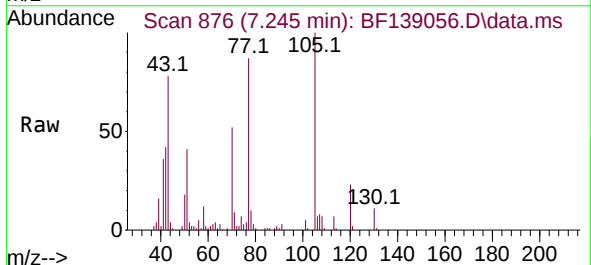
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024



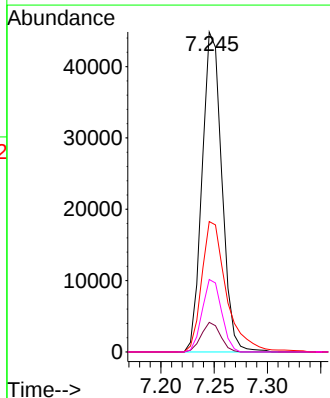
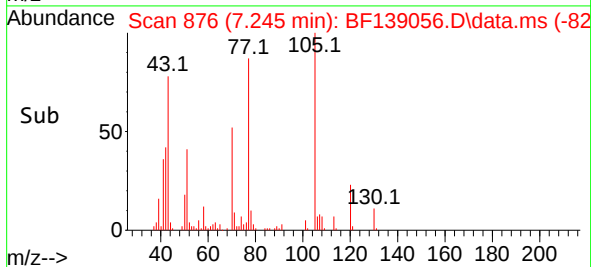
Tgt Ion:136 Resp: 194786
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 10.1 8.6 12.8
68 5.3 4.8 7.2

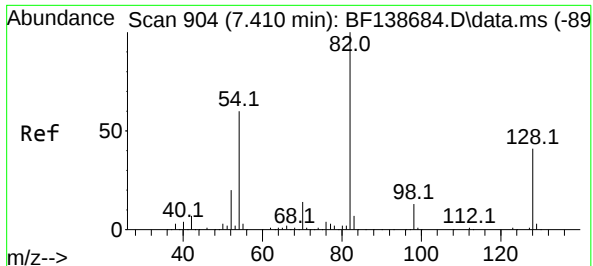


#22
Acetophenone
Concen: 12.173 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24



Tgt Ion:105 Resp: 58059
Ion Ratio Lower Upper
105 100
71 9.2 7.2 10.8
51 40.8 35.9 53.9
120 22.6 17.6 26.4





#23

Nitrobenzene-d5

Concen: 96.979 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

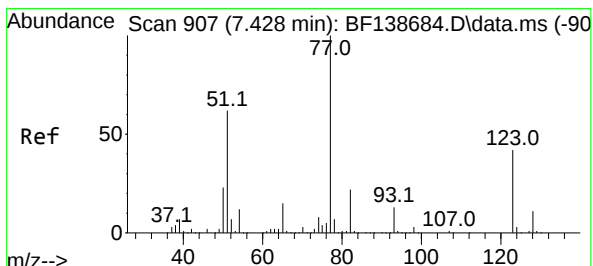
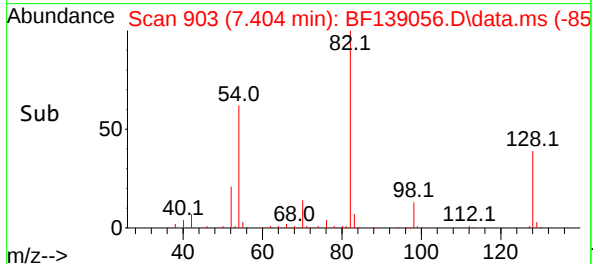
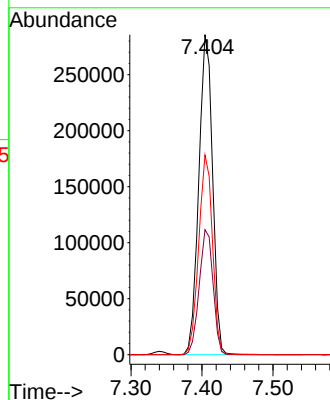
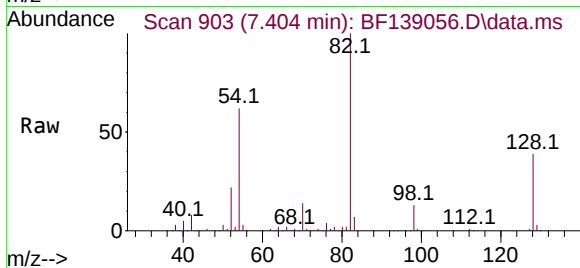
Tgt Ion: 82 Resp: 386371

Ion Ratio Lower Upper

82 100

128 39.1 32.8 49.2

54 62.4 48.3 72.5



#24

Nitrobenzene

Concen: 11.581 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

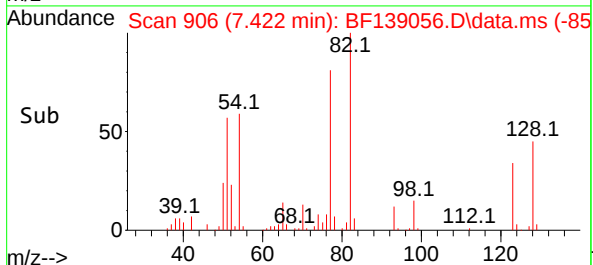
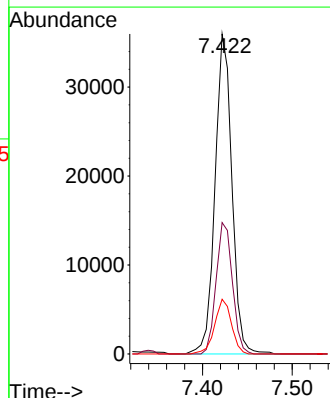
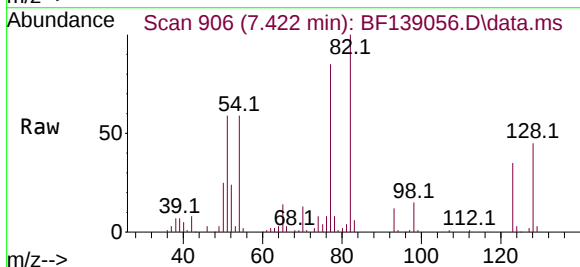
Tgt Ion: 77 Resp: 46952

Ion Ratio Lower Upper

77 100

123 41.0 33.3 49.9

65 17.1 11.9 17.9

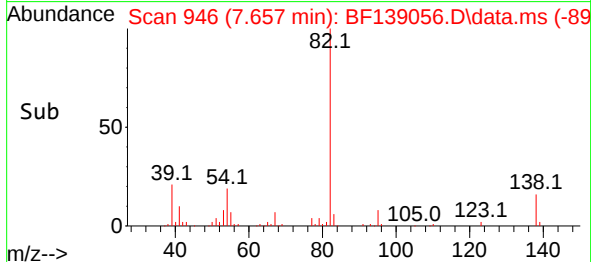
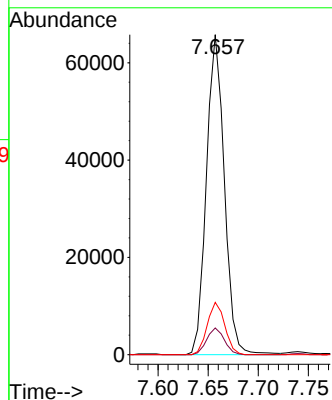
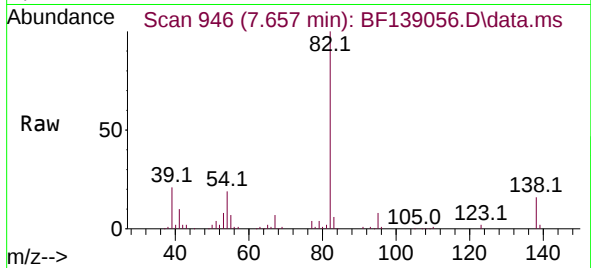




#25
Isophorone
Concen: 12.090 ng
RT: 7.657 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

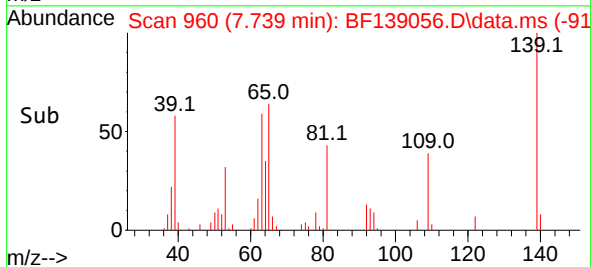
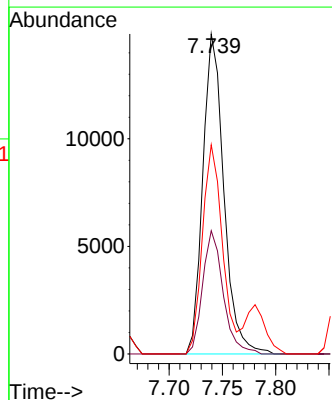
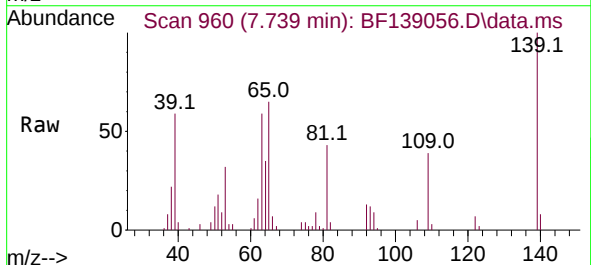
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

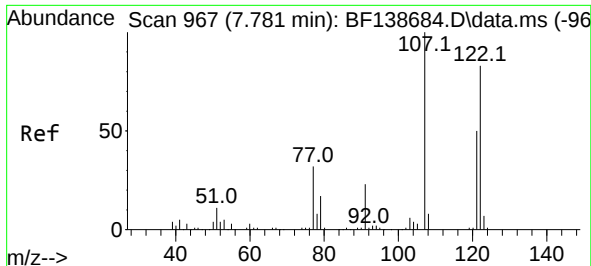
Tgt Ion: 82 Resp: 82250
Ion Ratio Lower Upper
82 100
95 8.3 5.7 8.5
138 16.4 13.7 20.5



#26
2-Nitrophenol
Concen: 11.742 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:139 Resp: 20481
Ion Ratio Lower Upper
139 100
109 38.5 25.9 38.9
65 65.4 47.0 70.6

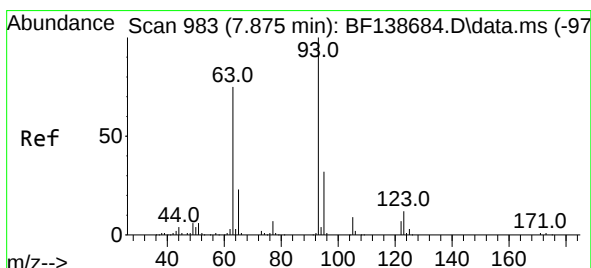
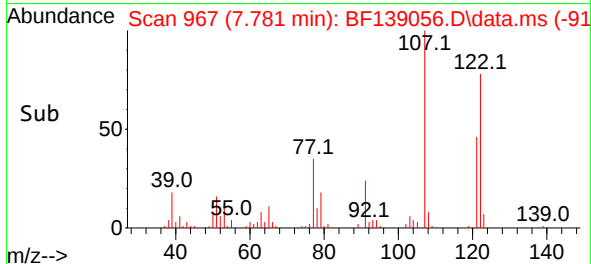
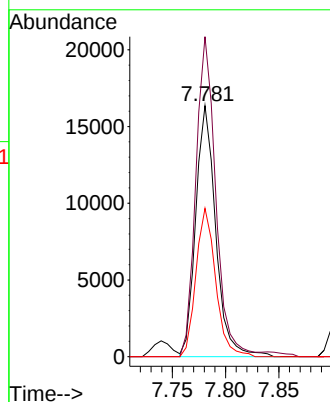
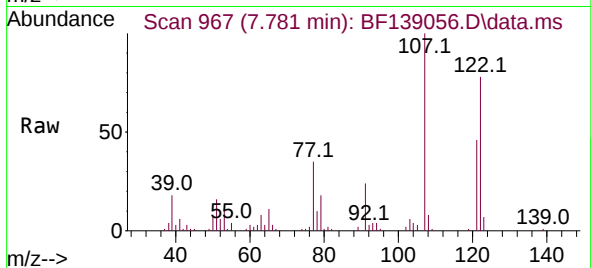




#27
2,4-Dimethylphenol
Concen: 10.283 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

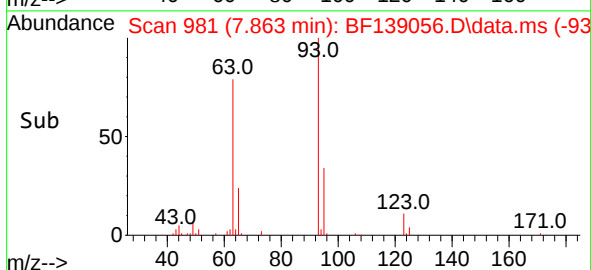
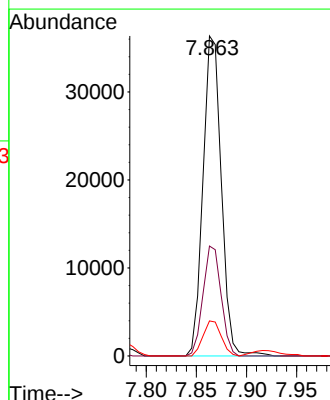
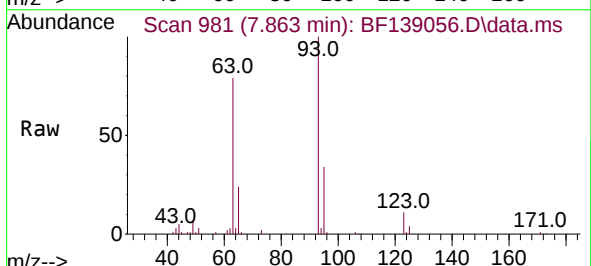
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:122 Resp: 21460
Ion Ratio Lower Upper
122 100
107 127.5 95.0 142.6
121 59.1 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 11.197 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 93 Resp: 46387
Ion Ratio Lower Upper
93 100
95 34.3 25.8 38.8
123 10.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 11.540 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

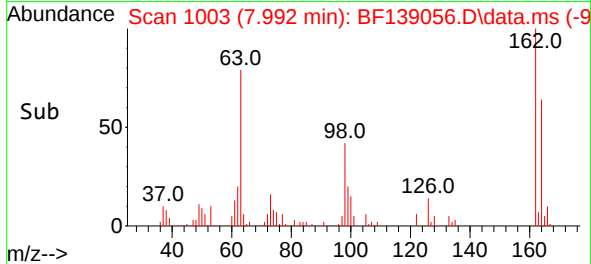
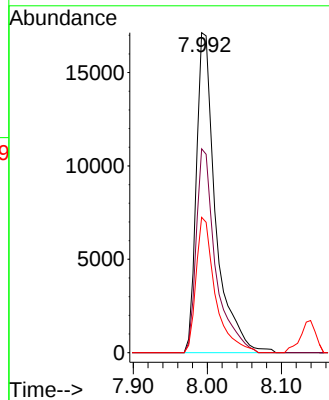
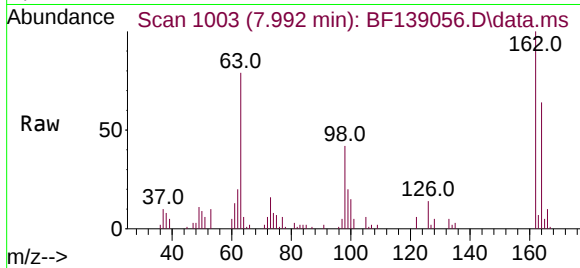
Tgt Ion:162 Resp: 30945

Ion Ratio Lower Upper

162 100

164 63.7 44.7 84.7

98 42.3 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 11.174 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

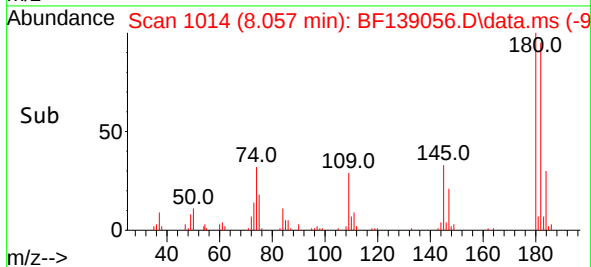
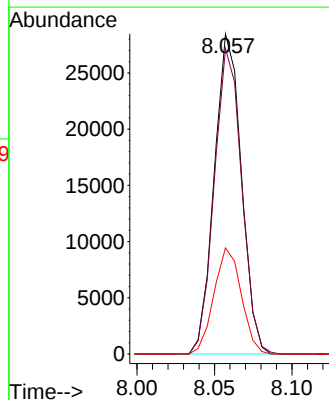
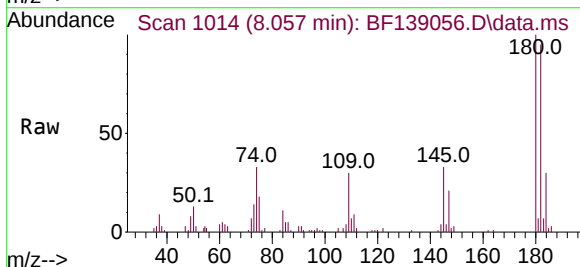
Tgt Ion:180 Resp: 34579

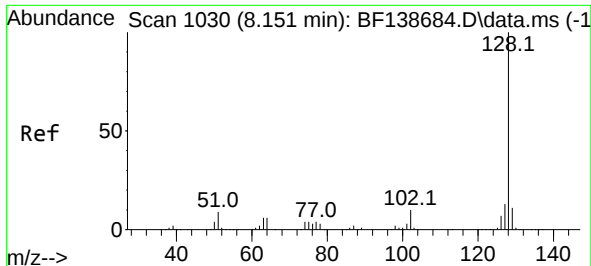
Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 33.1 25.0 37.4

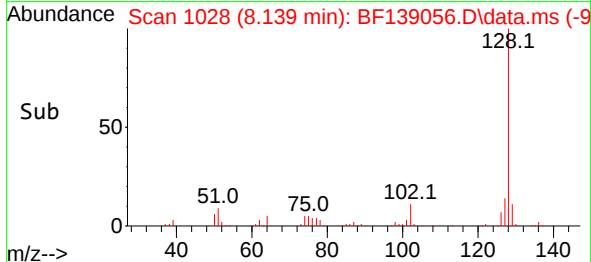
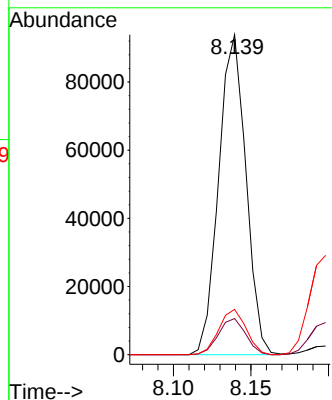
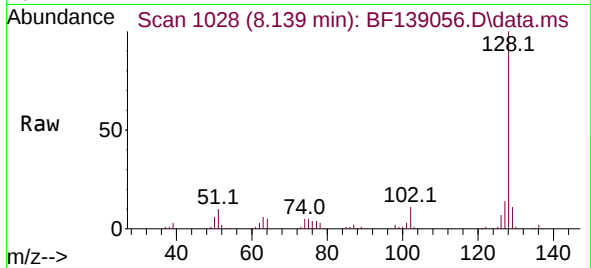




#31
Naphthalene
Concen: 11.193 ng
RT: 8.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

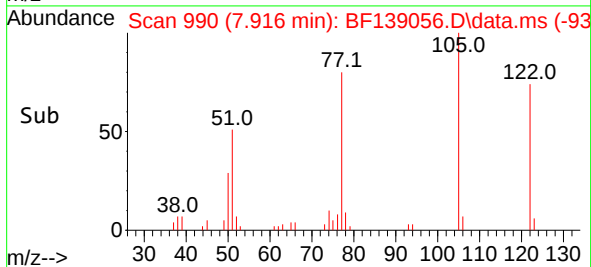
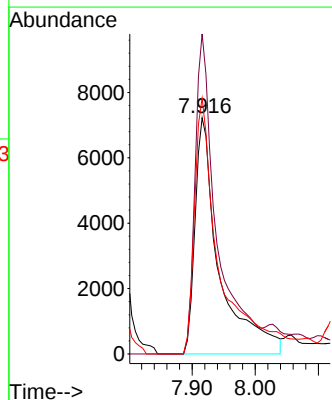
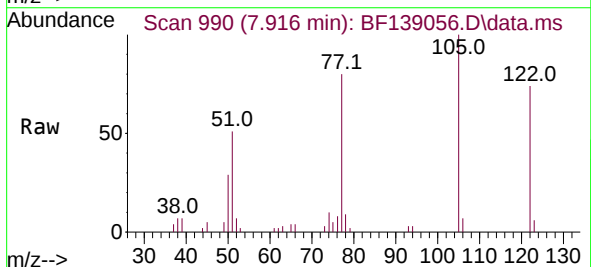
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:128 Resp: 114756
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 14.1 10.6 16.0



#32
Benzoic acid
Concen: 11.760 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:122 Resp: 19291
Ion Ratio Lower Upper
122 100
105 135.5 106.7 146.7
77 108.3 81.1 121.1

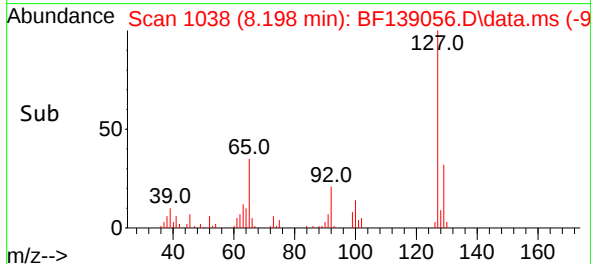
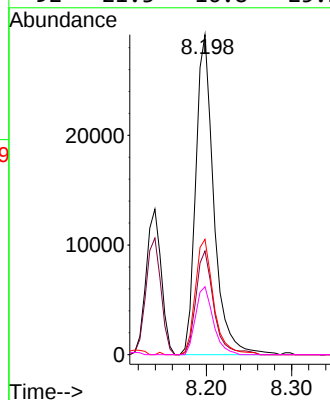
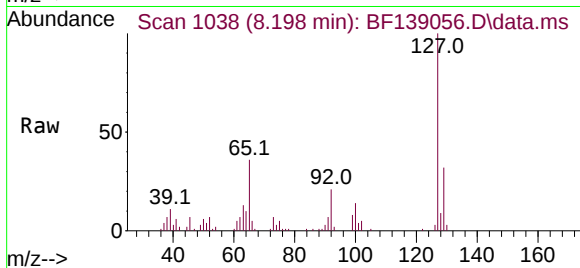




#33
4-Chloroaniline
Concen: 12.473 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

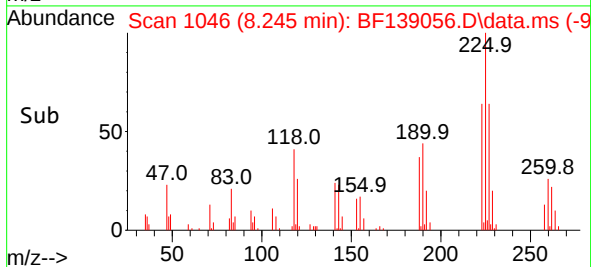
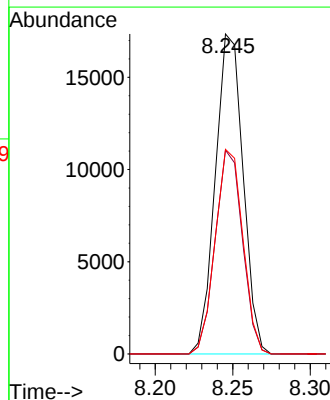
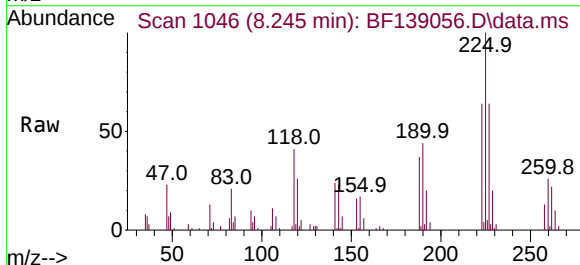
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:	127	Resp:	42929
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	36.1	27.6	41.4
92	21.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 11.532 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:	225	Resp:	21616
Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.2	76.8
227	64.0	51.1	76.7

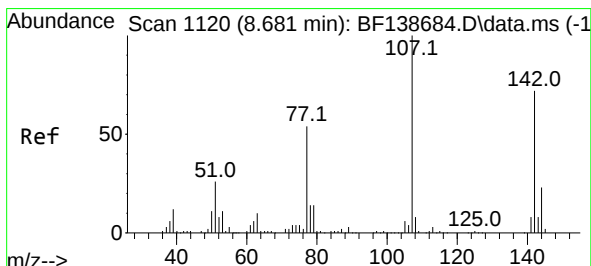
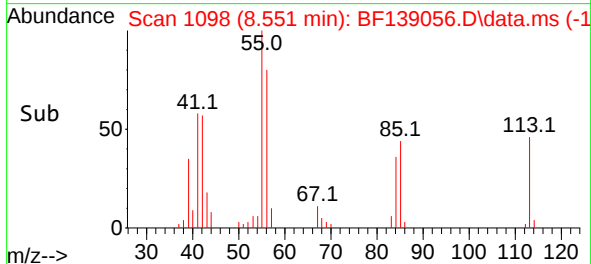
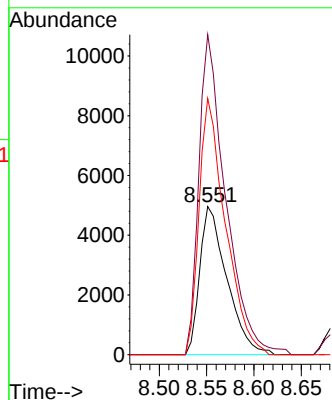
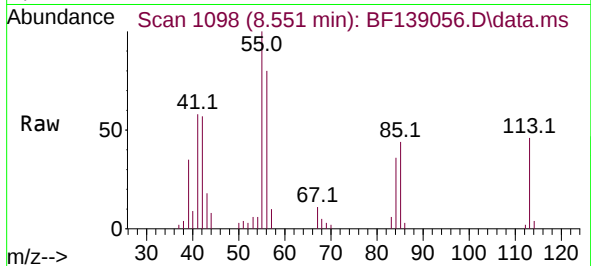




#35
 Caprolactam
 Concen: 12.339 ng
 RT: 8.551 min Scan# 1101
 Delta R.T. -0.018 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

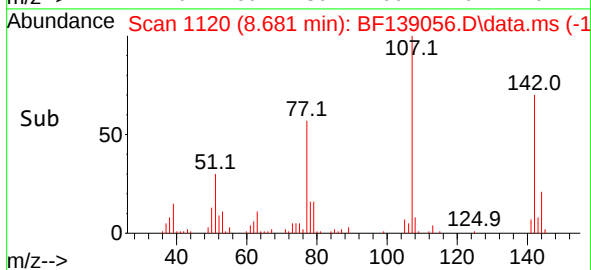
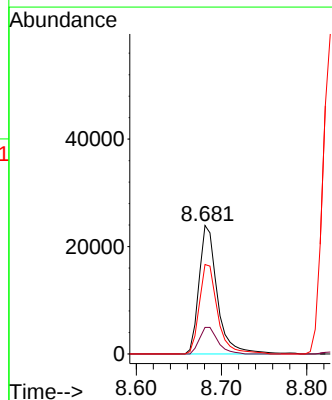
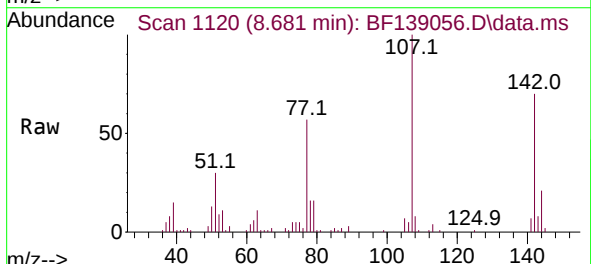
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

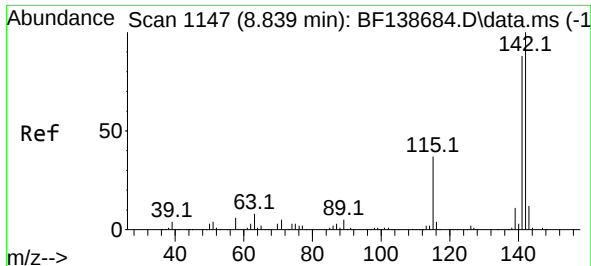
Tgt Ion:113 Resp: 9873
 Ion Ratio Lower Upper
 113 100
 55 215.9 186.7 226.7
 56 172.9 138.9 178.9



#36
 4-Chloro-3-methylphenol
 Concen: 11.634 ng
 RT: 8.681 min Scan# 1120
 Delta R.T. -0.000 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

Tgt Ion:107 Resp: 35653
 Ion Ratio Lower Upper
 107 100
 144 20.7 18.2 27.2
 142 69.6 57.4 86.2

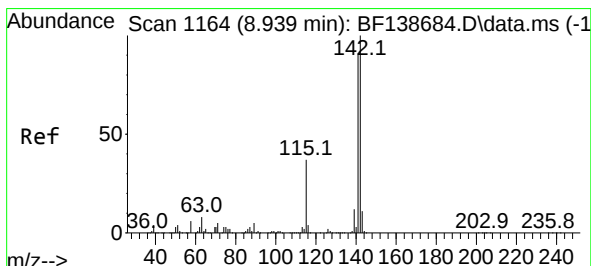
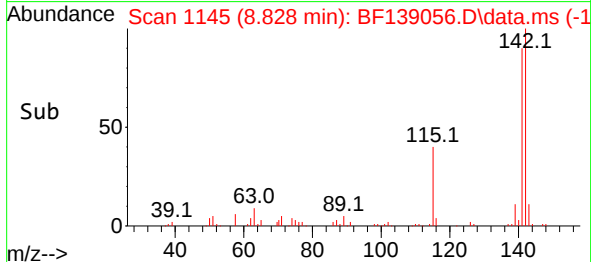
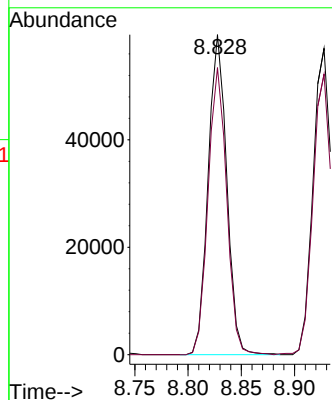
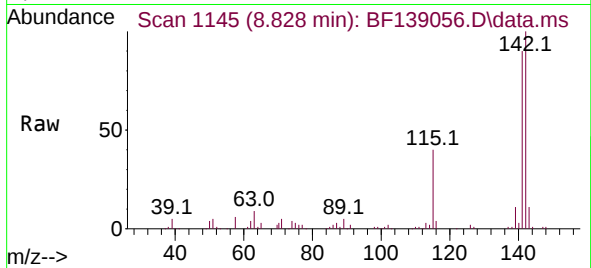




#37
2-Methylnaphthalene
Concen: 11.195 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

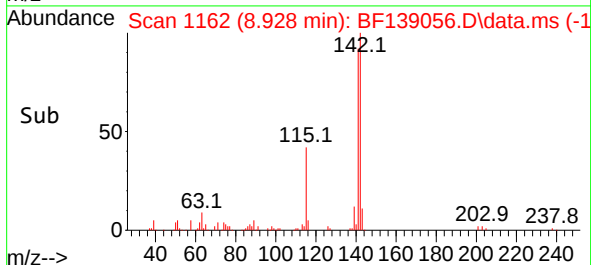
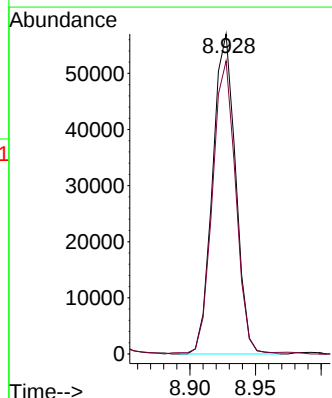
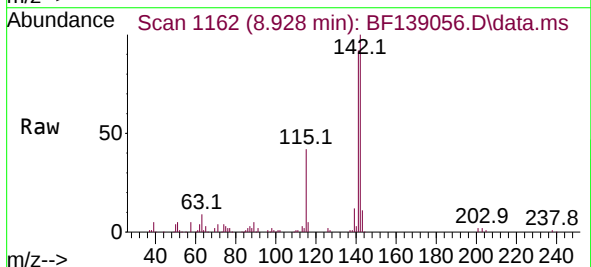
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

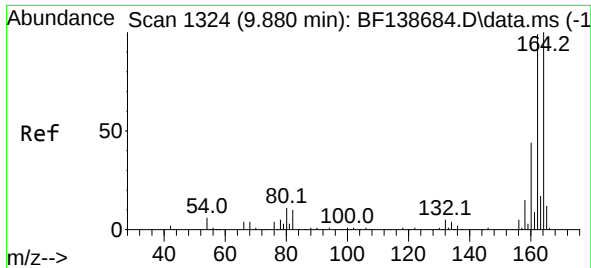
Tgt Ion:142 Resp: 72493
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2



#38
1-Methylnaphthalene
Concen: 10.961 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:142 Resp: 69551
Ion Ratio Lower Upper
142 100
141 91.6 73.1 109.7

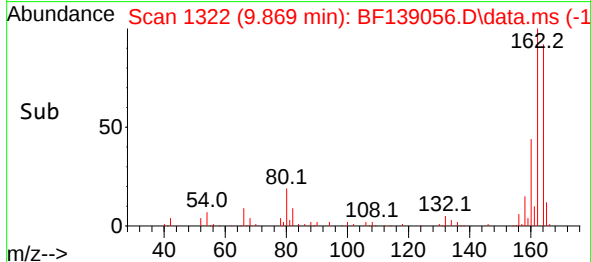
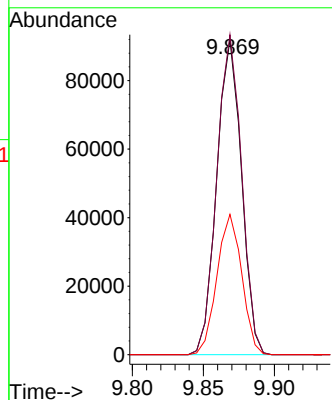
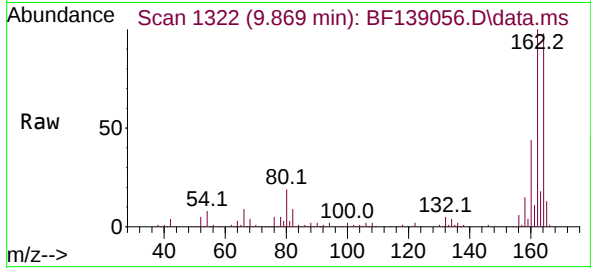




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 111416
Delta R.T. -0.011 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

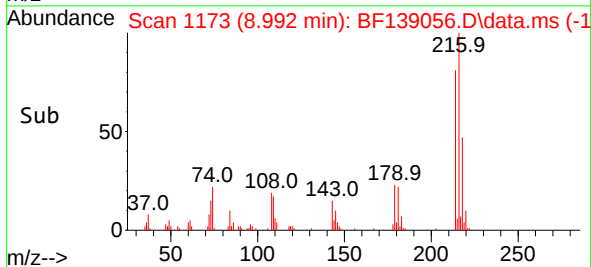
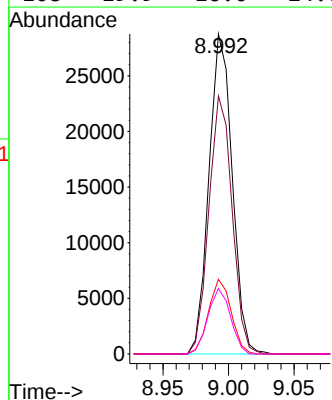
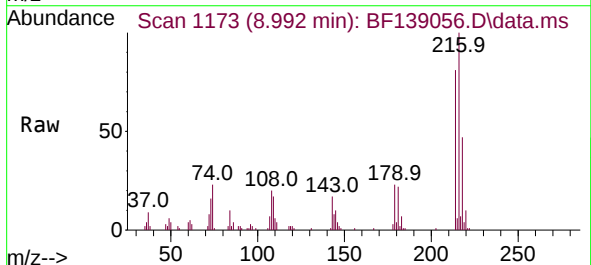
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:164 Resp: 111416
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.6 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.457 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:216 Resp: 35461
Ion Ratio Lower Upper
216 100
214 80.3 63.9 95.9
179 22.7 17.8 26.6
108 19.9 16.0 24.0

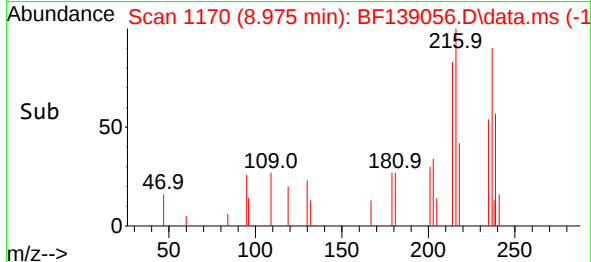
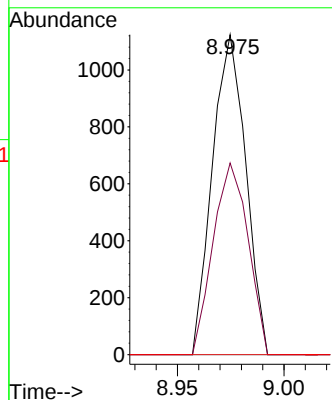
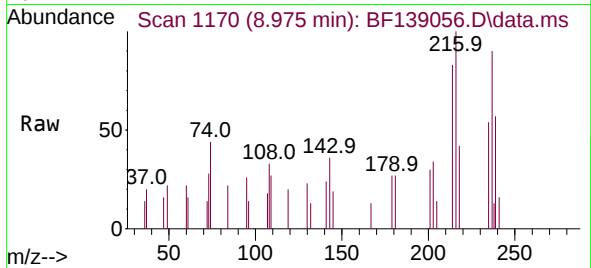




#41
Hexachlorocyclopentadiene
Concen: 8.330 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

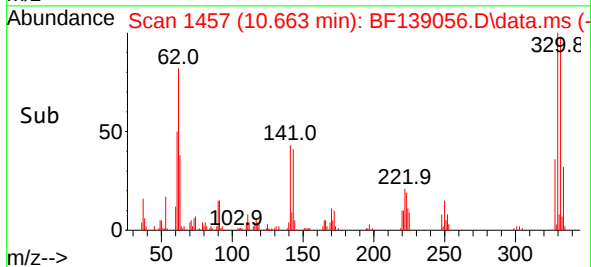
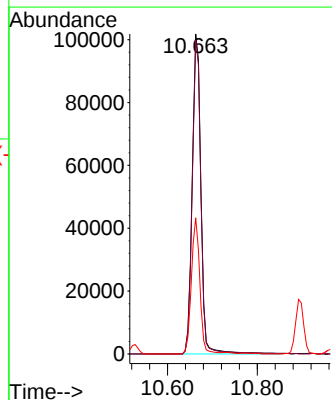
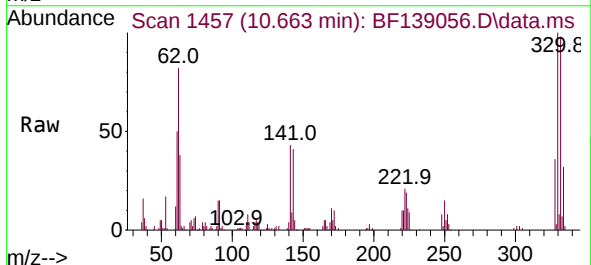
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:237	Resp:	1224
Ion	Ratio	Lower Upper
237	100	
235	59.9	41.8 81.8
272	0.0	0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 150.718 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:330	Resp:	137552
Ion	Ratio	Lower Upper
330	100	
332	96.8	76.4 114.6
141	40.8	31.1 46.7

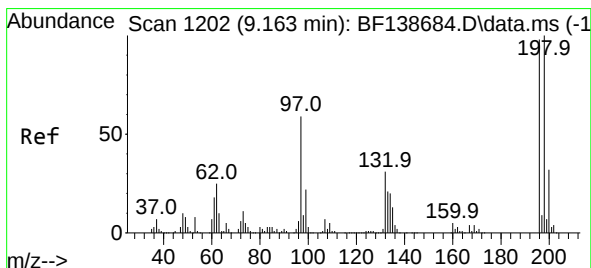
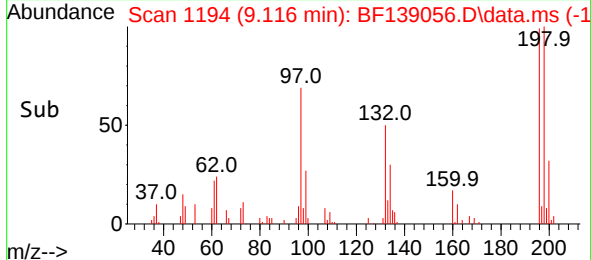
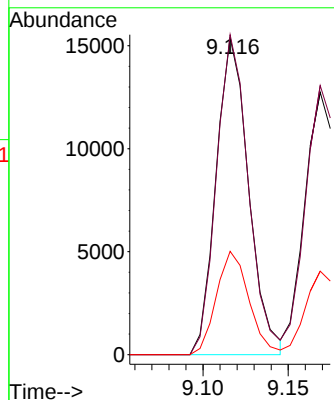
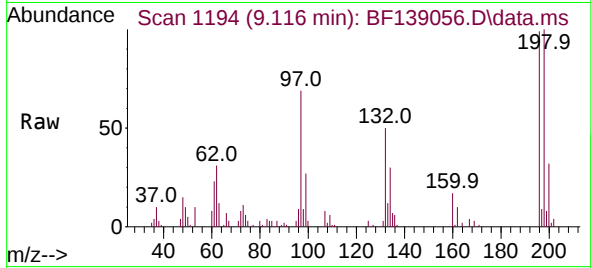




#43
2,4,6-Trichlorophenol
Concen: 10.813 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

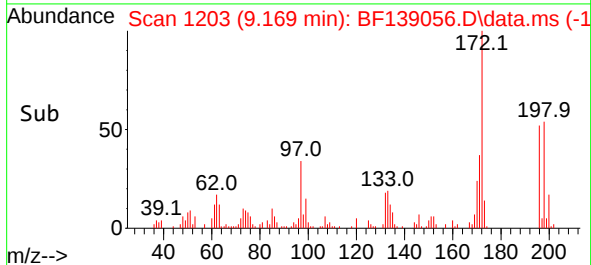
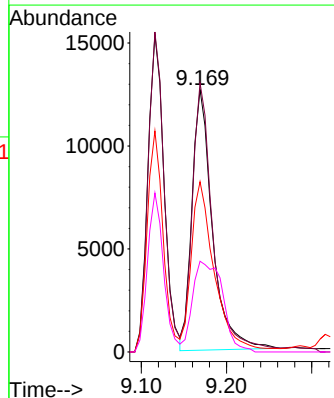
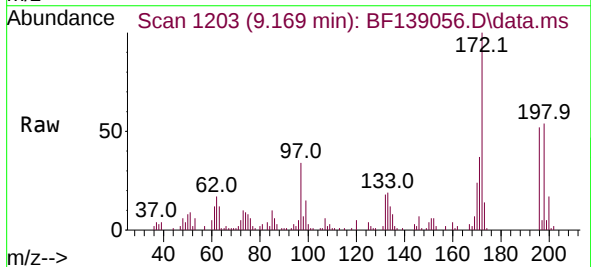
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

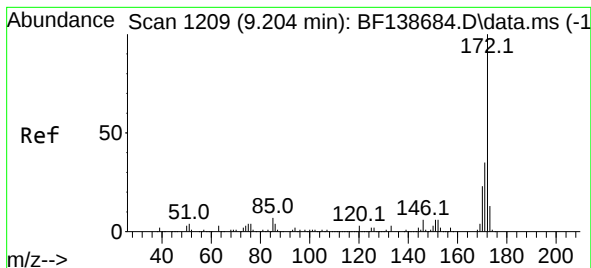
Tgt Ion:196 Resp: 20405
Ion Ratio Lower Upper
196 100
198 100.8 80.5 120.7
200 32.6 25.9 38.9



#44
2,4,5-Trichlorophenol
Concen: 10.245 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:196 Resp: 21134
Ion Ratio Lower Upper
196 100
198 102.5 81.2 121.8
97 64.9 47.8 71.6
132 34.6 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 96.129 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

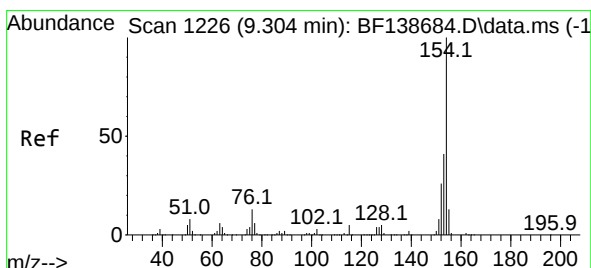
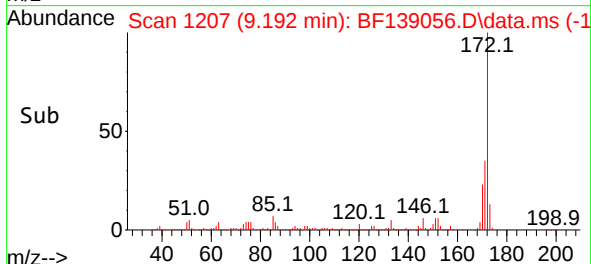
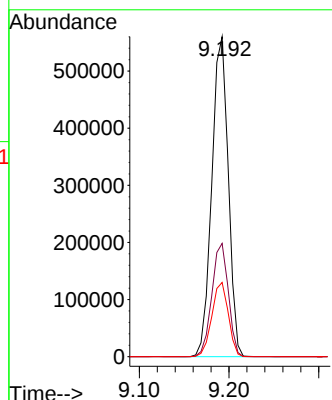
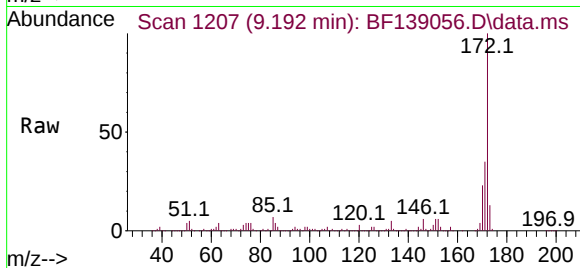
Tgt Ion:172 Resp: 712833

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.2 18.8 28.2



#46

1,1'-Biphenyl

Concen: 11.442 ng

RT: 9.286 min Scan# 1223

Delta R.T. -0.018 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

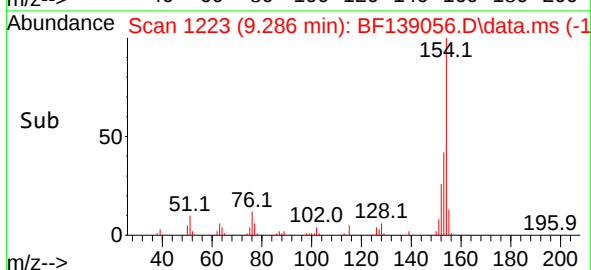
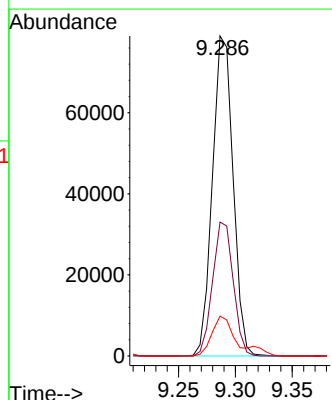
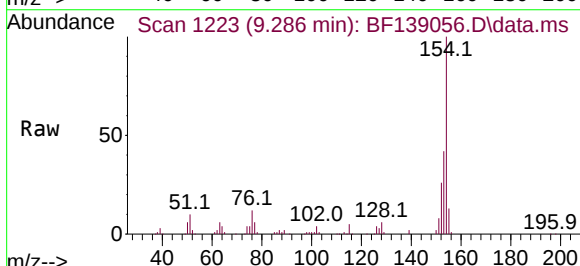
Tgt Ion:154 Resp: 99838

Ion Ratio Lower Upper

154 100

153 41.8 20.8 60.8

76 12.4 0.0 32.8

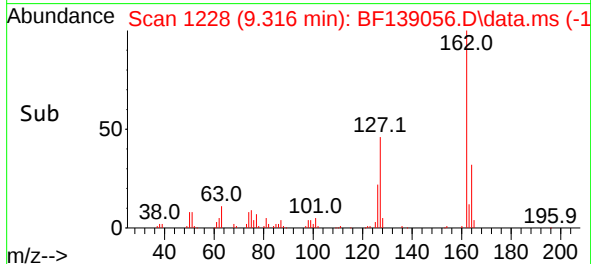
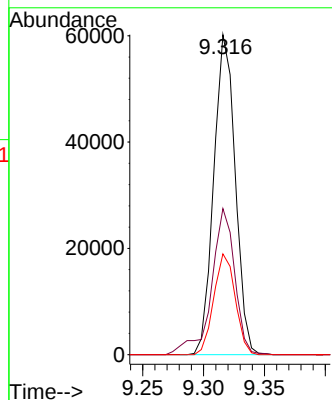
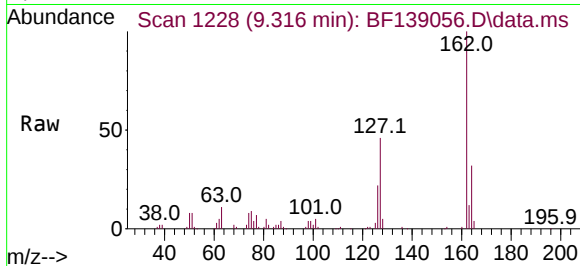




#47
2-Chloronaphthalene
Concen: 11.382 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

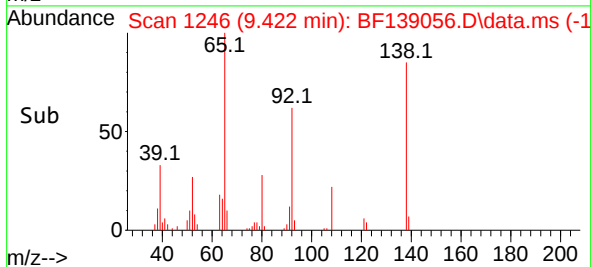
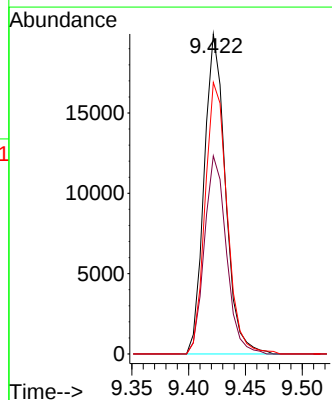
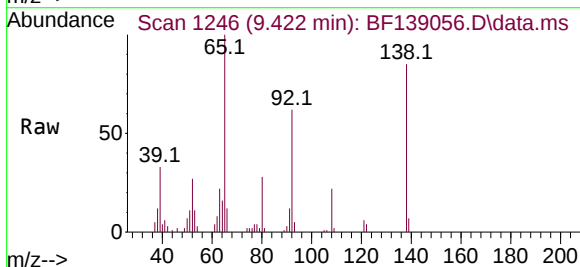
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

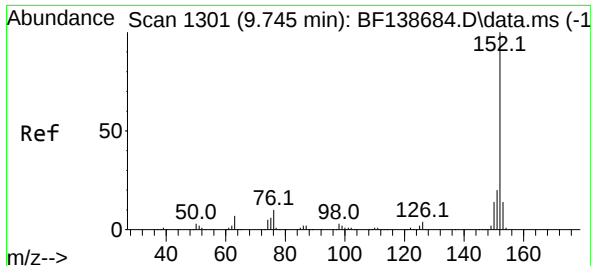
Tgt Ion:162 Resp: 73865
Ion Ratio Lower Upper
162 100
127 45.6 35.4 53.2
164 31.5 25.6 38.4



#48
2-Nitroaniline
Concen: 11.794 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion: 65 Resp: 25947
Ion Ratio Lower Upper
65 100
92 61.9 52.0 78.0
138 84.9 76.2 114.4





#49

Acenaphthylene

Concen: 12.547 ng

RT: 9.728 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

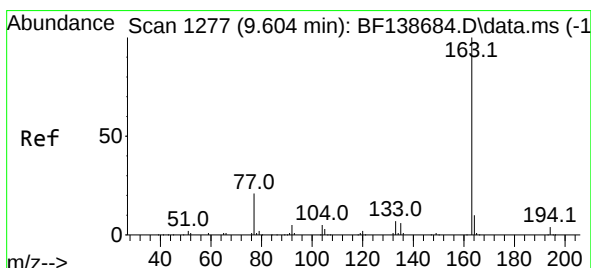
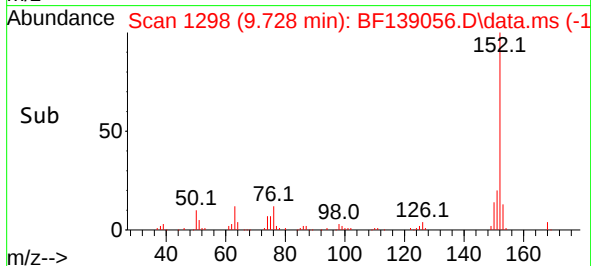
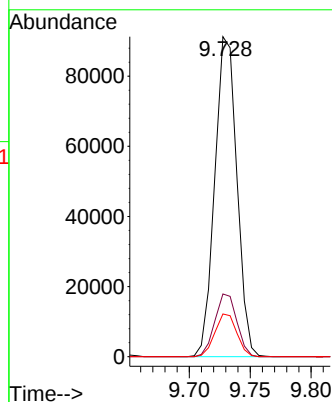
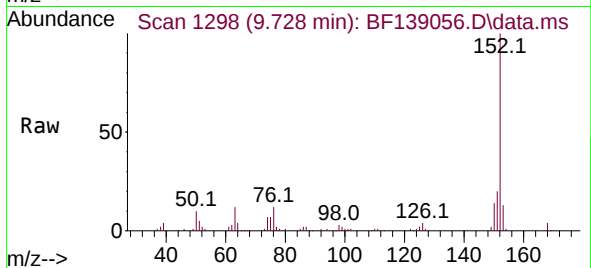
Tgt Ion:152 Resp: 115485

Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

153 13.4 11.0 16.4



#50

Dimethylphthalate

Concen: 12.425 ng

RT: 9.586 min Scan# 1274

Delta R.T. -0.018 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

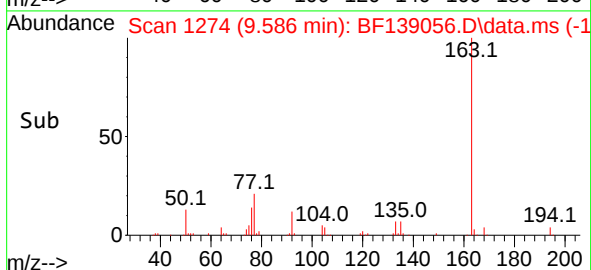
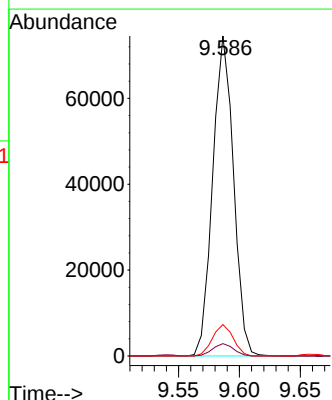
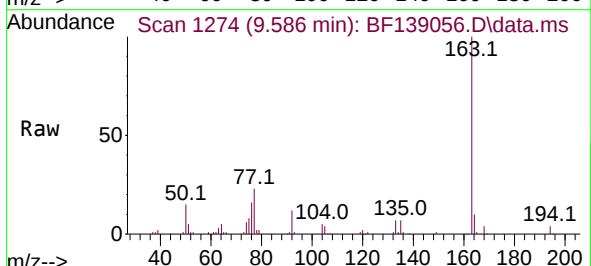
Tgt Ion:163 Resp: 88514

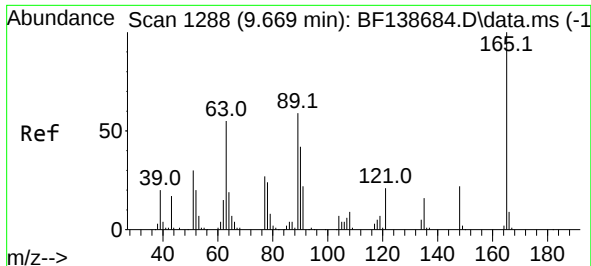
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 9.8 7.8 11.8

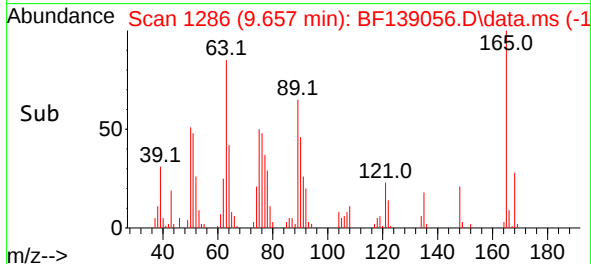
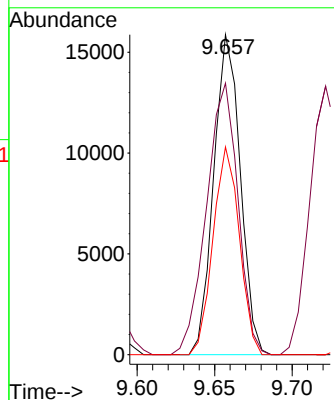
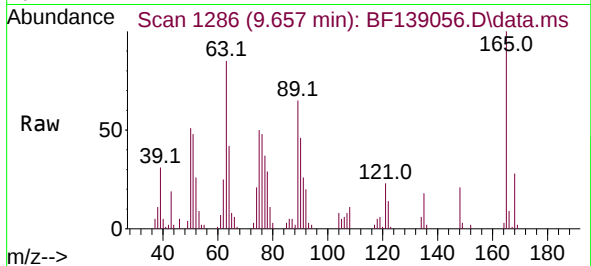




#51
2,6-Dinitrotoluene
Concen: 11.778 ng
RT: 9.657 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

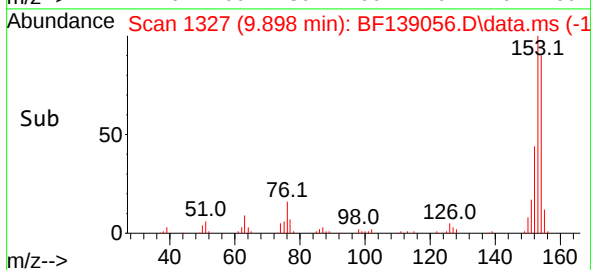
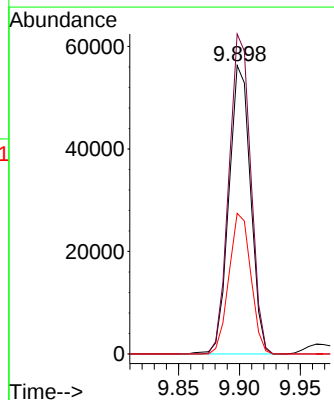
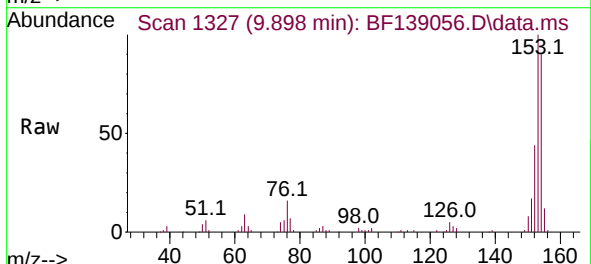
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

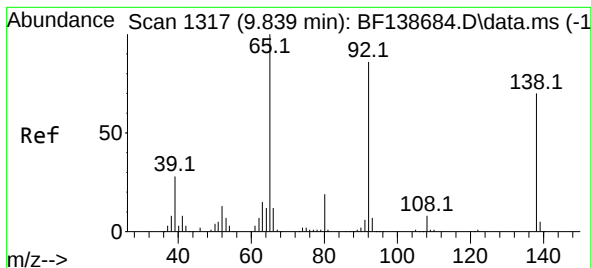
Tgt Ion:165 Resp: 18936
Ion Ratio Lower Upper
165 100
63 84.8 52.0 78.0#
89 64.9 47.0 70.6



#52
Acenaphthene
Concen: 11.279 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:154 Resp: 69785
Ion Ratio Lower Upper
154 100
153 110.9 89.9 134.9
152 48.8 40.6 60.8





#53

3-Nitroaniline

Concen: 11.083 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

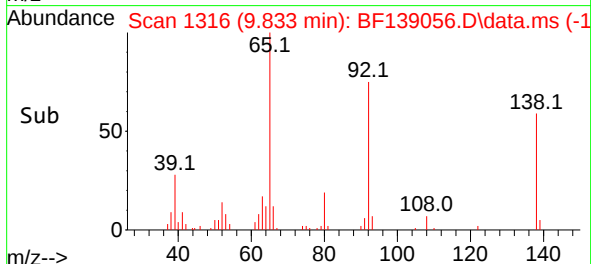
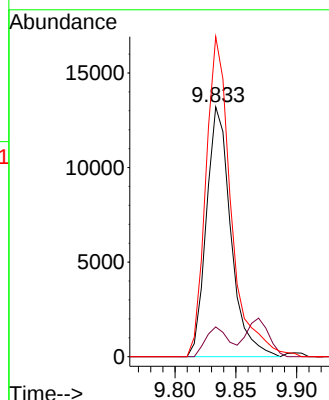
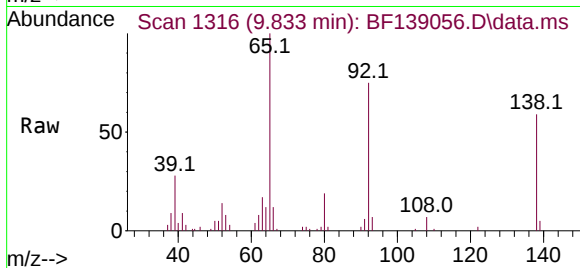
Tgt Ion:138 Resp: 18421

Ion Ratio Lower Upper

138 100

108 11.9 9.1 13.7

92 128.2 98.7 148.1



#54

2,4-Dinitrophenol

Concen: 10.809 ng

RT: 9.963 min Scan# 1338

Delta R.T. 0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

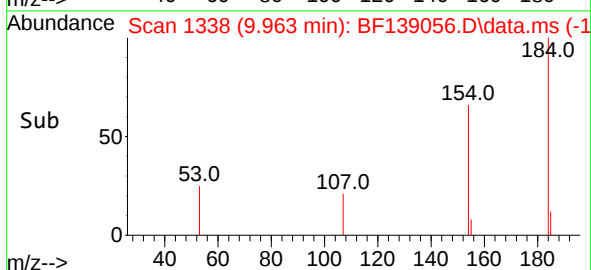
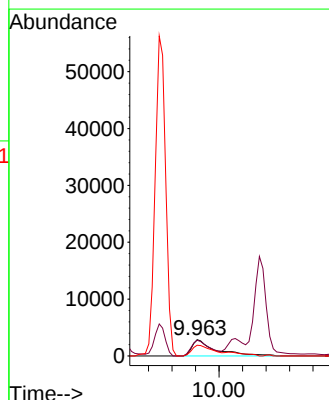
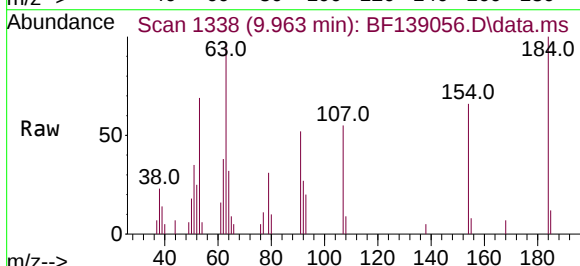
Tgt Ion:184 Resp: 8000

Ion Ratio Lower Upper

184 100

63 96.4 57.5 86.3#

154 66.0 51.7 77.5





#55

Dibenzofuran

Concen: 12.248 ng

RT: 10.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

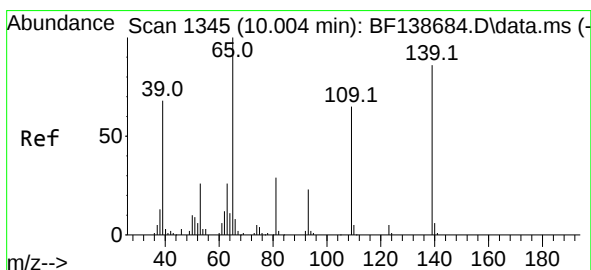
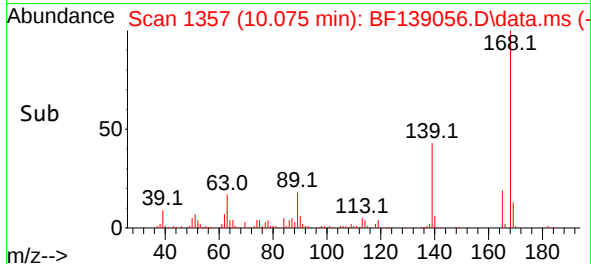
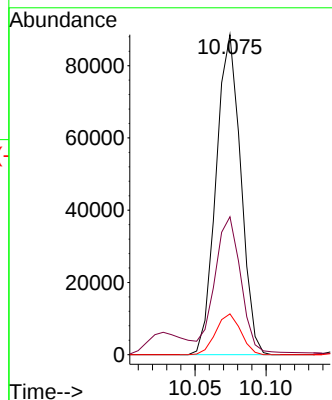
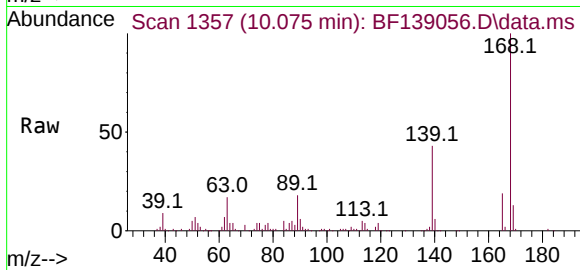
Tgt Ion:168 Resp: 106972

Ion Ratio Lower Upper

168 100

139 43.1 32.6 49.0

169 12.7 10.7 16.1



#56

4-Nitrophenol

Concen: 12.110 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.024 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

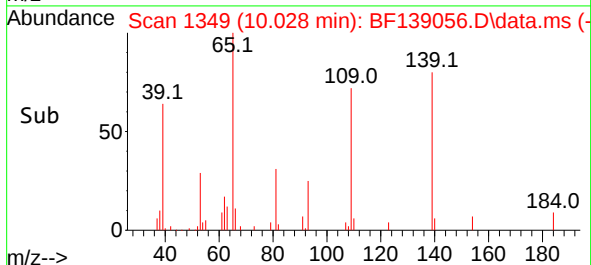
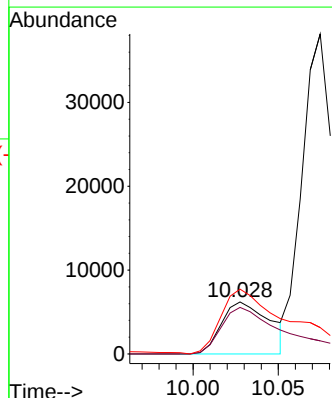
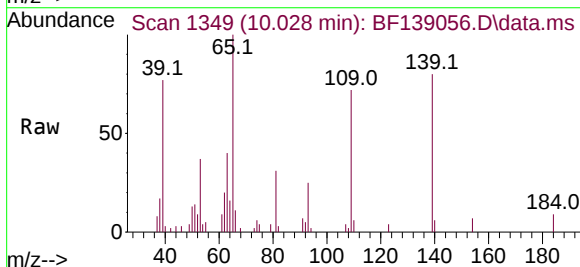
Tgt Ion:139 Resp: 12104

Ion Ratio Lower Upper

139 100

109 89.6 55.5 95.5

65 124.6 96.7 136.7

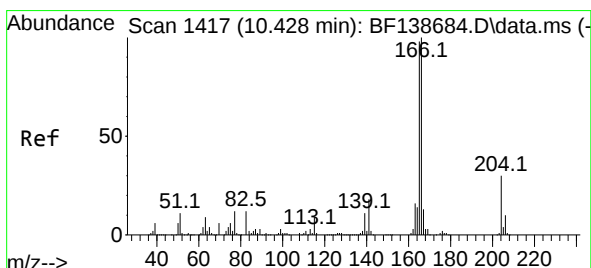
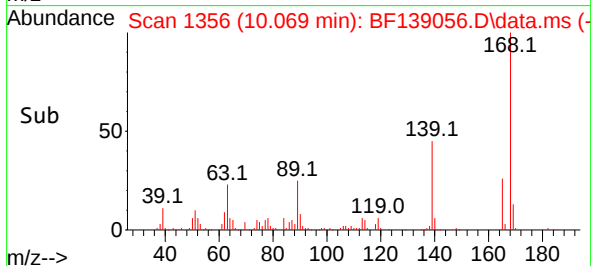
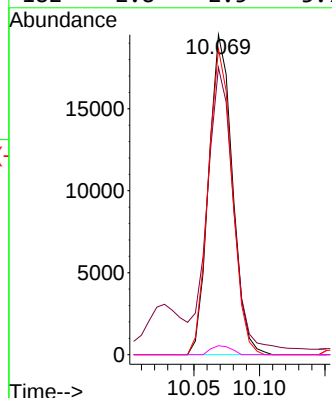
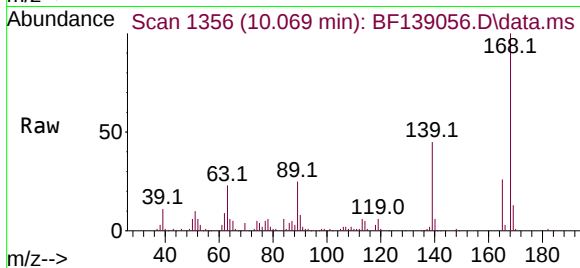




#57
2,4-Dinitrotoluene
Concen: 12.023 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

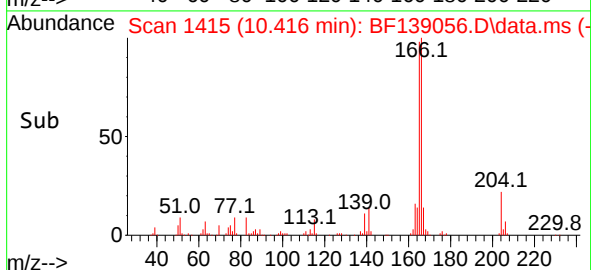
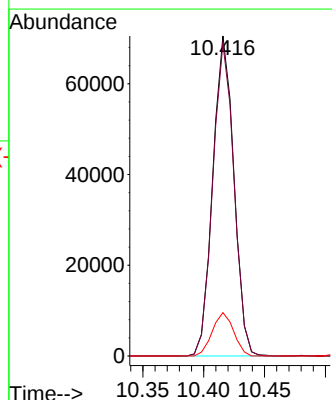
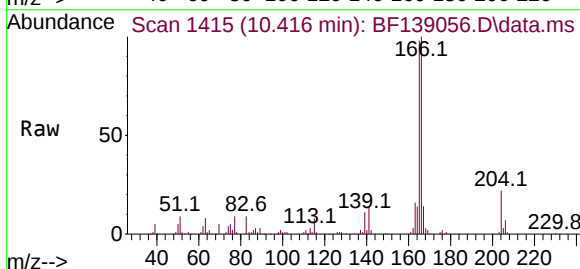
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

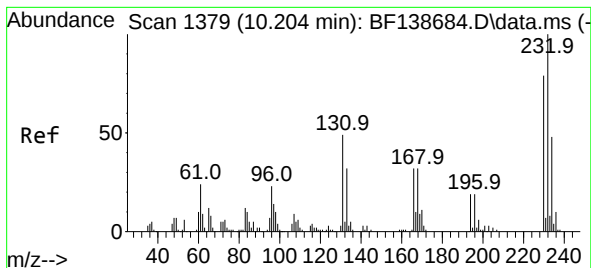
Tgt Ion:	165	Resp:	24662
Ion Ratio	Lower	Upper	
165	100		
63	89.8	46.3	69.5#
89	95.6	64.2	96.4
182	2.8	2.5	3.7



#58
Fluorene
Concen: 12.231 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:	166	Resp:	85067
Ion Ratio	Lower	Upper	
166	100		
165	97.6	78.4	117.6
167	13.5	10.6	16.0

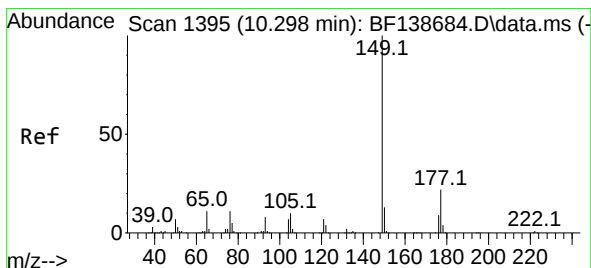
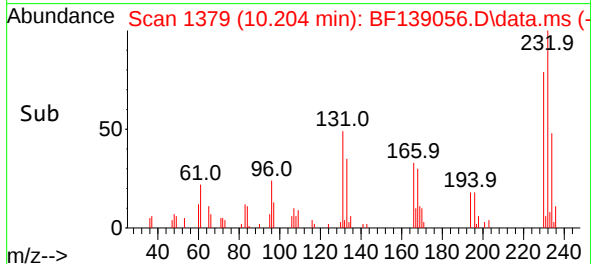
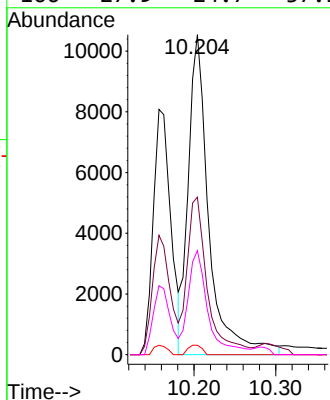
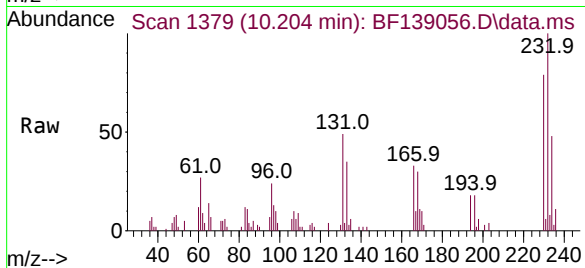




#59
2,3,4,6-Tetrachlorophenol
Concen: 11.734 ng m
RT: 10.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

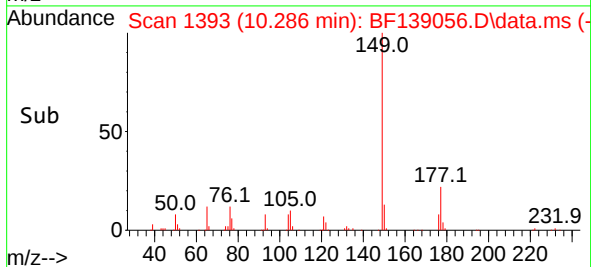
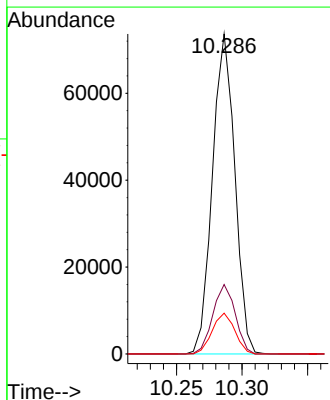
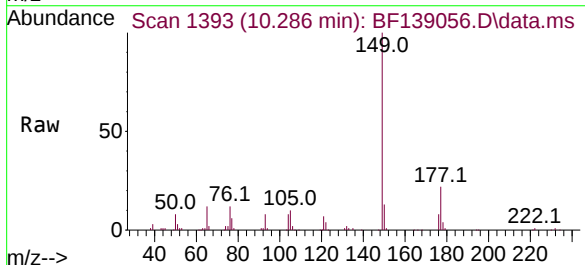
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

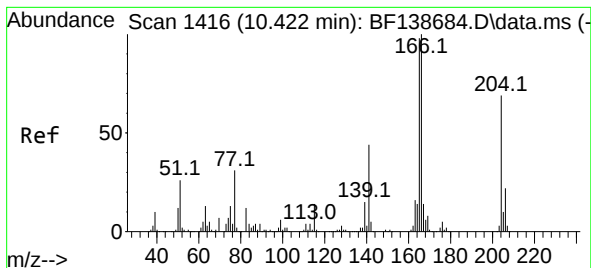
Tgt Ion:232 Resp: 18507
Ion Ratio Lower Upper
232 100
131 48.5 37.0 55.4
130 2.0 2.0 3.0#
166 27.9 24.7 37.1



#60
Diethylphthalate
Concen: 12.928 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:149 Resp: 87330
Ion Ratio Lower Upper
149 100
177 21.7 17.8 26.8
150 12.7 10.1 15.1

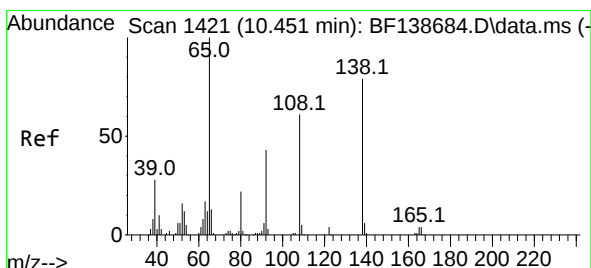
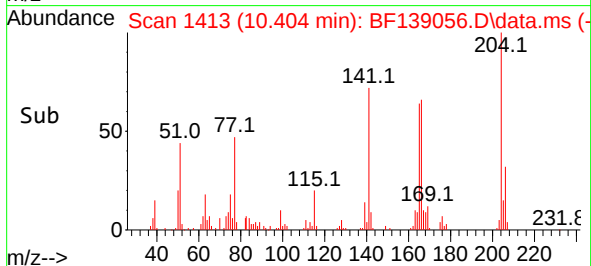
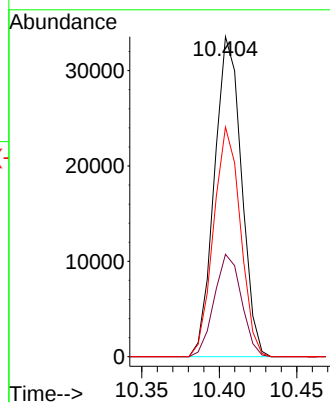
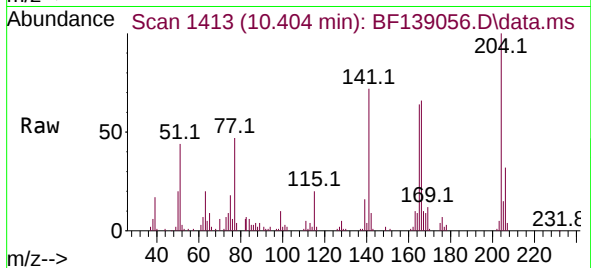




#61
4-Chlorophenyl-phenylether
Concen: 11.916 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

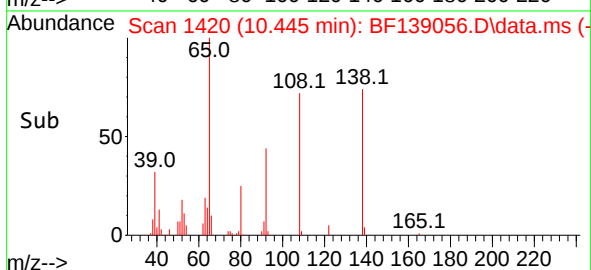
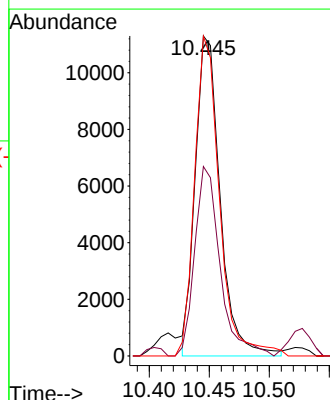
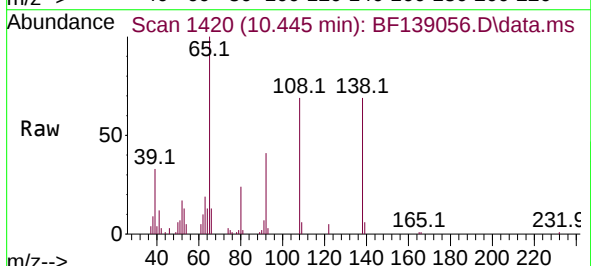
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

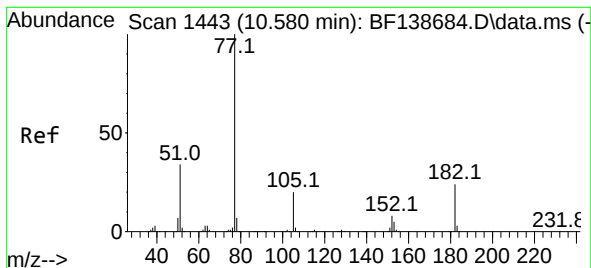
Tgt Ion:204 Resp: 40761
Ion Ratio Lower Upper
204 100
206 32.0 26.1 39.1
141 71.8 51.4 77.0



#62
4-Nitroaniline
Concen: 10.291 ng m
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:138 Resp: 16255
Ion Ratio Lower Upper
138 100
92 59.2 34.2 74.2
108 99.9 56.2 96.2#





#63

Azobenzene

Concen: 12.383 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 77 Resp: 92768

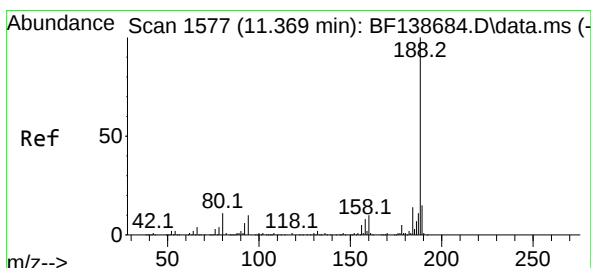
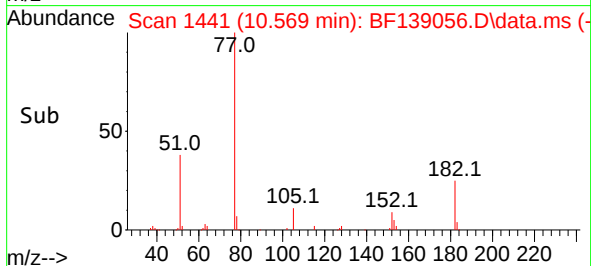
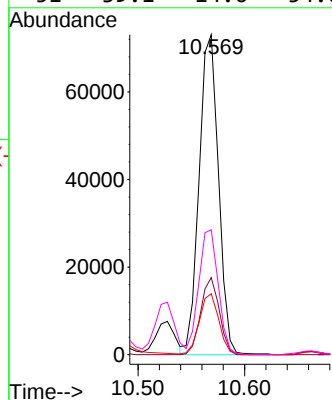
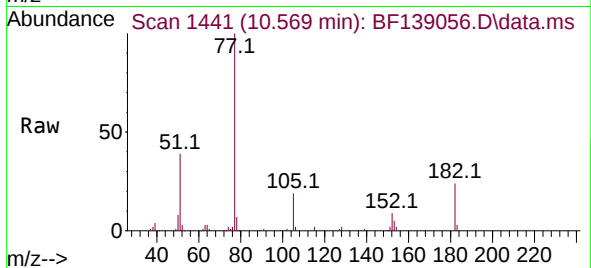
Ion Ratio Lower Upper

77 100

182 24.1 3.4 43.4

105 19.1 0.2 40.2

51 39.1 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: BF139056.D

Acq: 16 Aug 2024 14:24

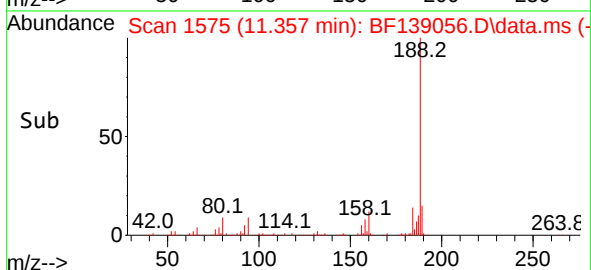
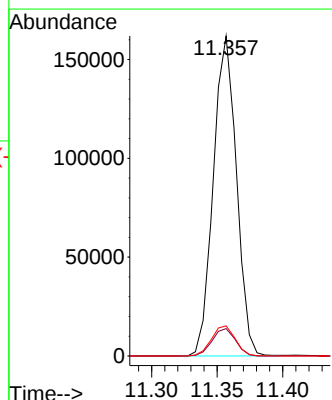
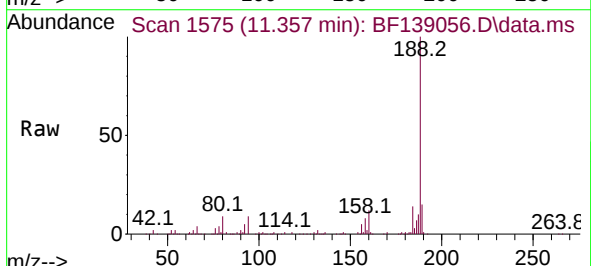
Tgt Ion:188 Resp: 198370

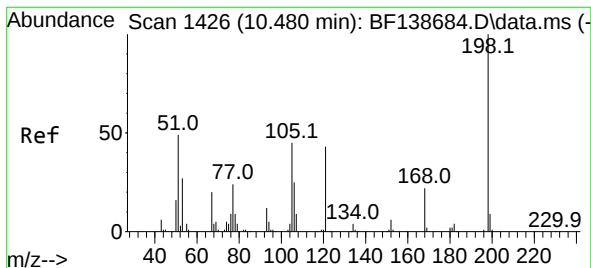
Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.4 8.6 12.8

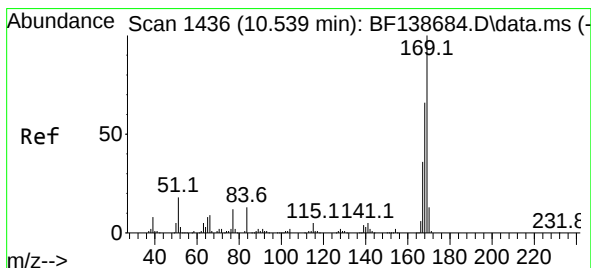
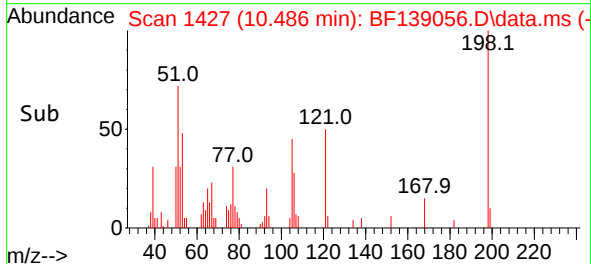
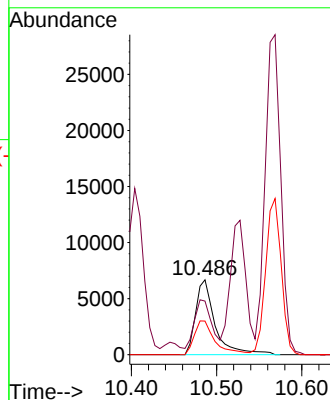
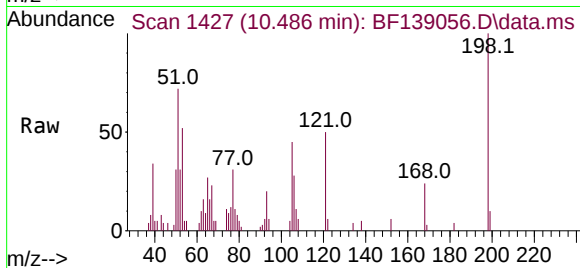




#65
4,6-Dinitro-2-methylphenol
Concen: 8.770 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

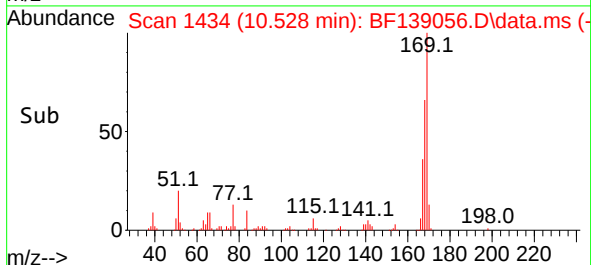
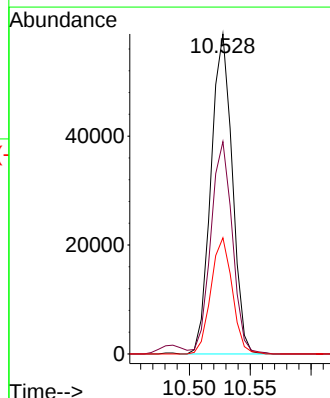
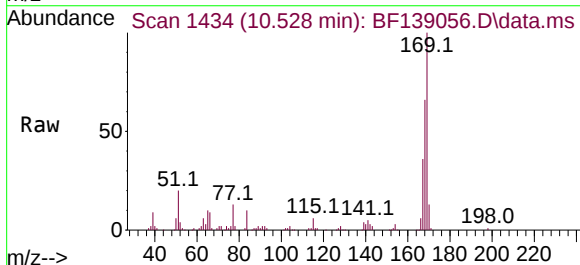
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

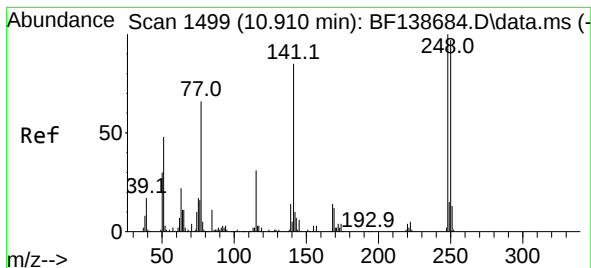
Tgt Ion:198 Resp: 10614
Ion Ratio Lower Upper
198 100
51 71.6 39.9 79.9
105 44.8 26.1 66.1



#66
n-Nitrosodiphenylamine
Concen: 11.489 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:169 Resp: 71237
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 36.3 29.0 43.6

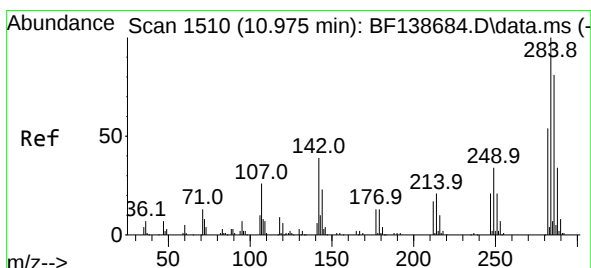
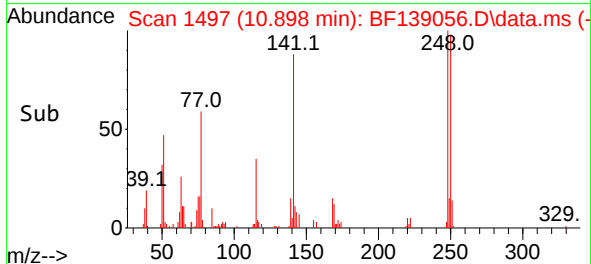
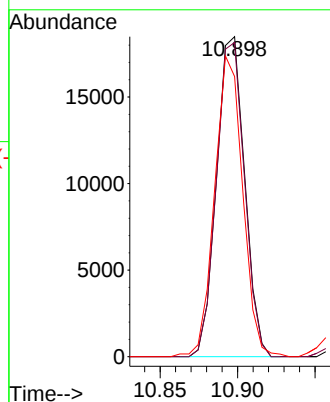
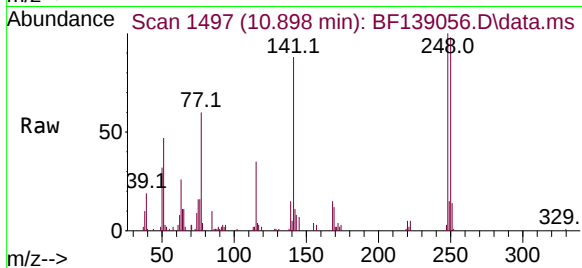




#67
4-Bromophenyl-phenylether
Concen: 10.853 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

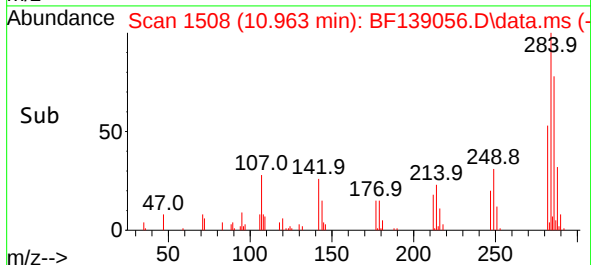
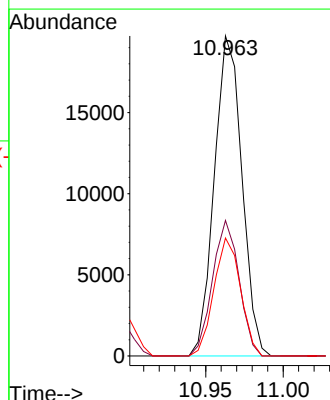
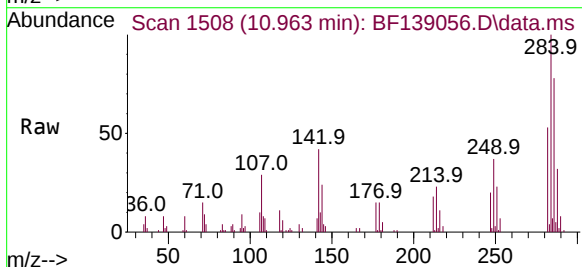
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

Tgt Ion:248 Resp: 23310
Ion Ratio Lower Upper
248 100
250 98.2 77.7 116.5
141 87.6 68.0 102.0



#68
Hexachlorobenzene
Concen: 11.000 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:284 Resp: 24393
Ion Ratio Lower Upper
284 100
142 42.4 31.3 46.9
249 36.9 27.2 40.8





#69

Atrazine

Concen: 14.805 ng

RT: 11.051 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

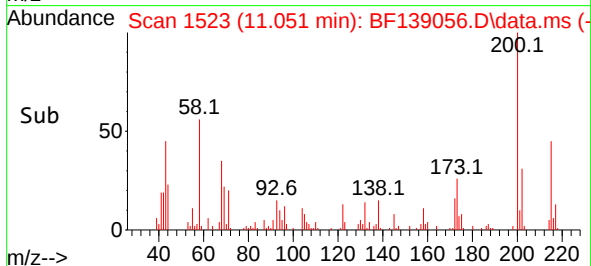
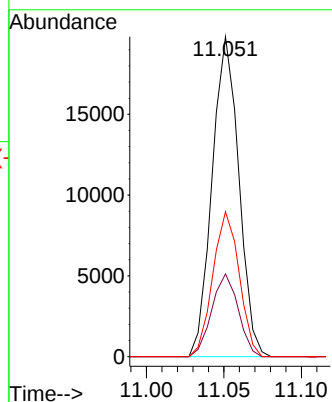
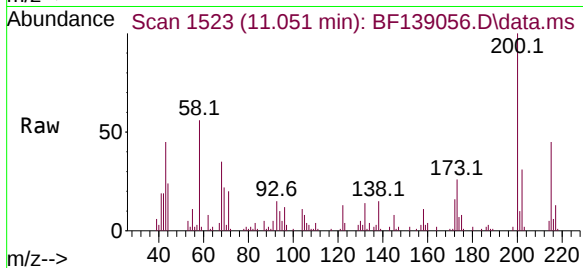
Tgt Ion:200 Resp: 23685

Ion Ratio Lower Upper

200 100

173 25.8 6.0 46.0

215 45.3 26.1 66.1



#70

Pentachlorophenol

Concen: 11.749 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

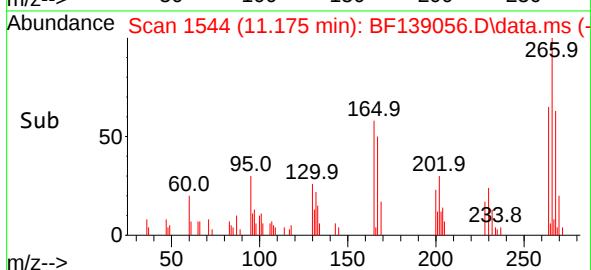
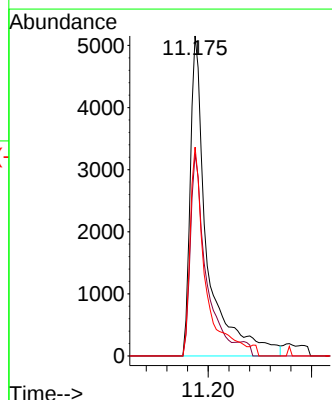
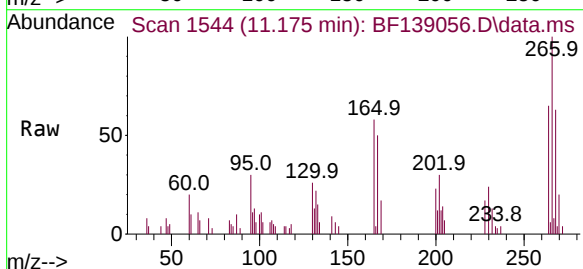
Tgt Ion:266 Resp: 11744

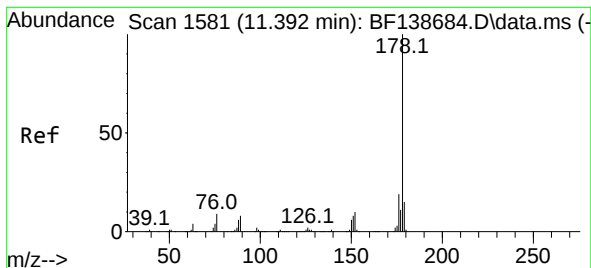
Ion Ratio Lower Upper

266 100

268 63.2 49.2 73.8

264 65.3 49.8 74.6





#71

Phenanthrene

Concen: 11.734 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

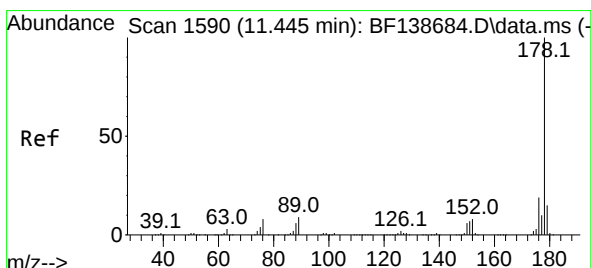
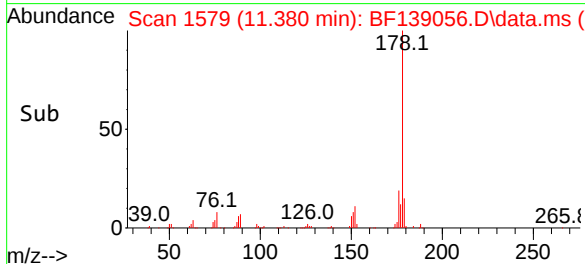
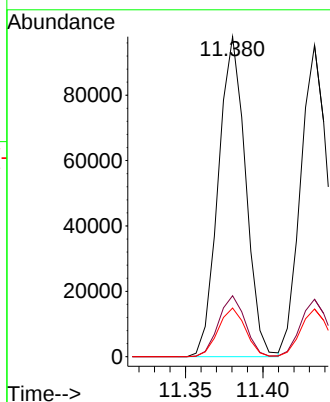
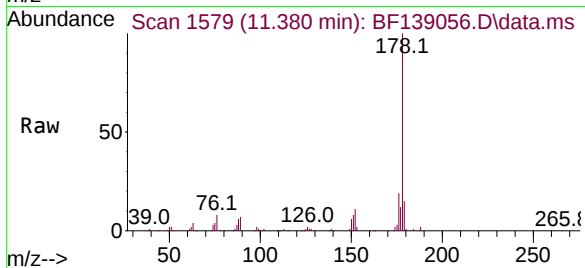
Tgt Ion:178 Resp: 119860

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.2 12.2 18.2



#72

Anthracene

Concen: 11.706 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

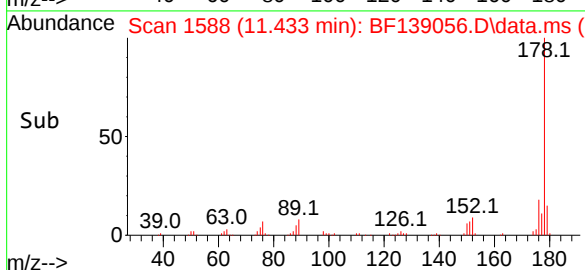
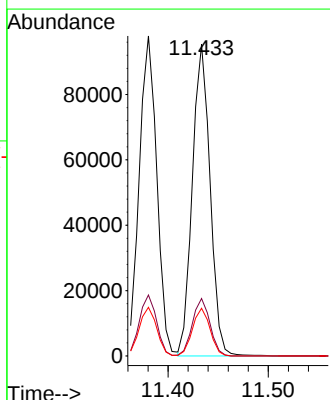
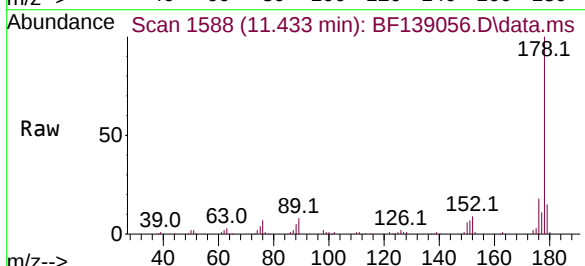
Tgt Ion:178 Resp: 117795

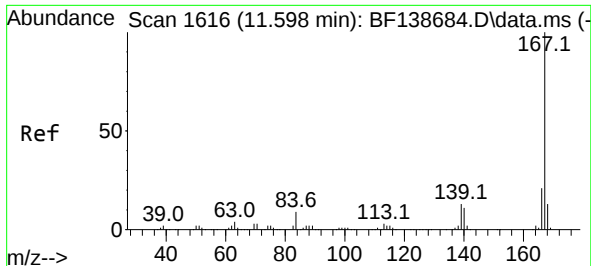
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

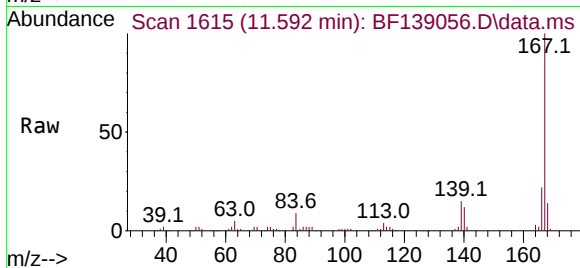
179 15.3 12.4 18.6



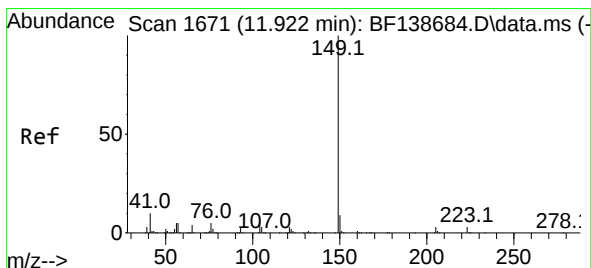
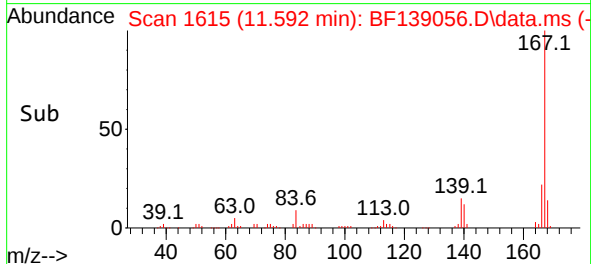
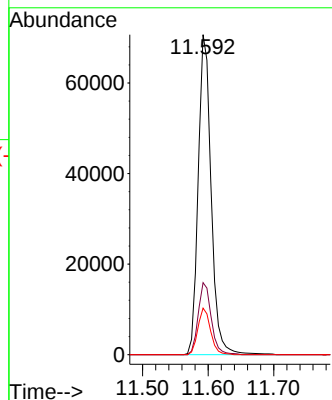


#73
 Carbazole
 Concen: 11.185 ng
 RT: 11.592 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

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

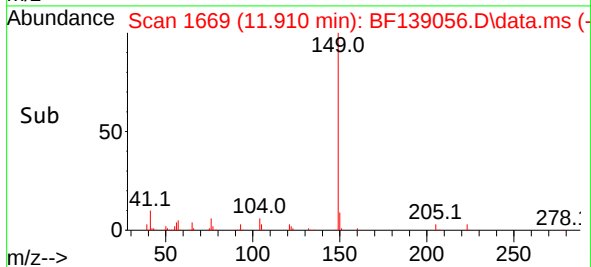
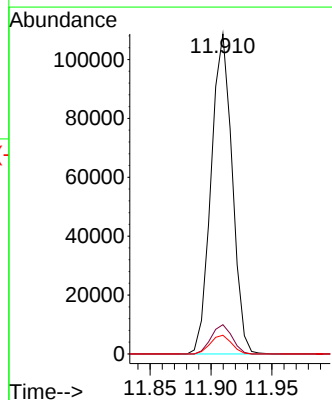
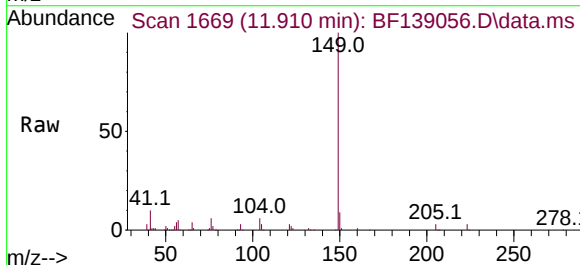


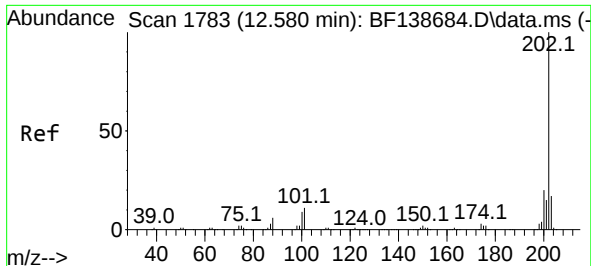
Tgt Ion:167 Resp: 97105
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.2 25.8
 139 14.6 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 13.397 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.012 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

Tgt Ion:149 Resp: 130748
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.8 4.1 6.1

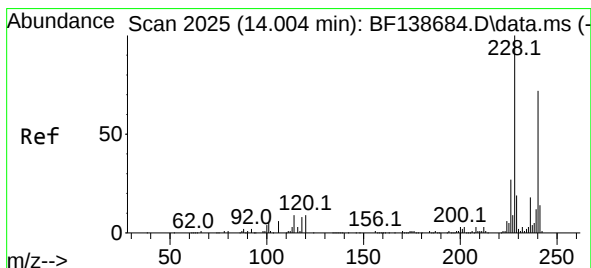
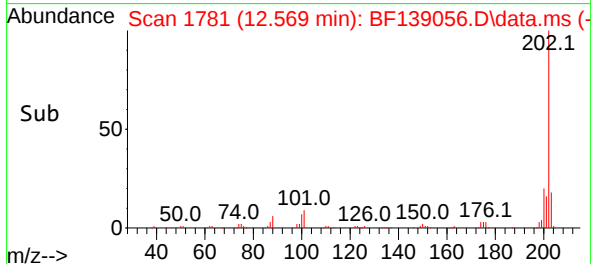
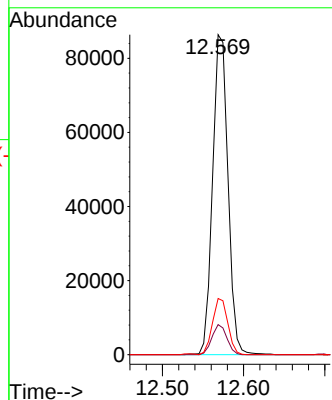
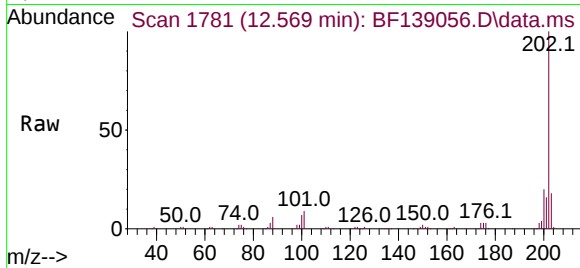




#75
Fluoranthene
Concen: 11.903 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

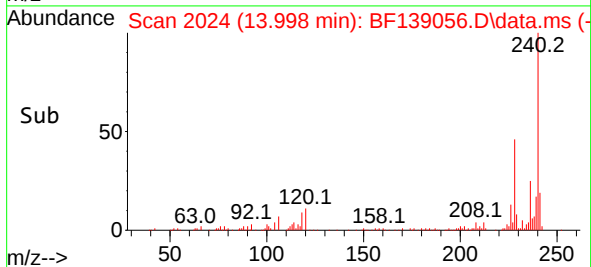
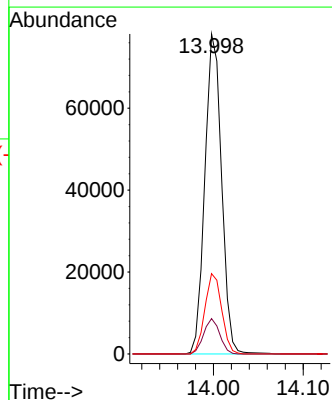
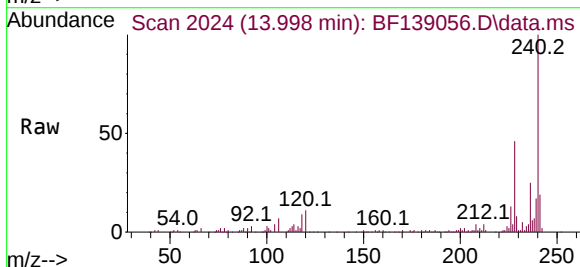
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

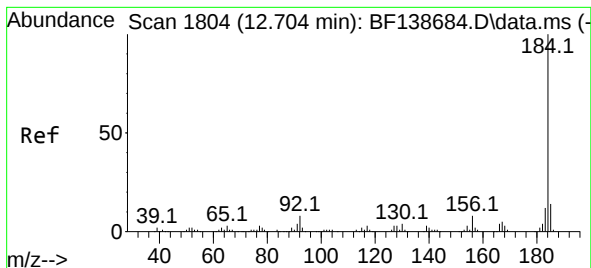
Tgt Ion:202 Resp: 113503
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.2
203 17.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:240 Resp: 101028
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 25.1 19.8 29.8





#77

Benzidine

Concen: 12.147 ng

RT: 12.698 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

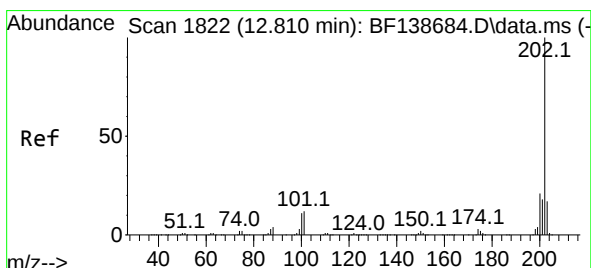
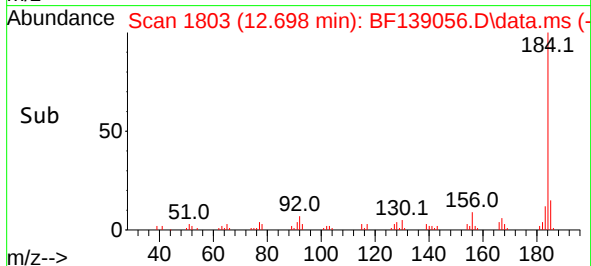
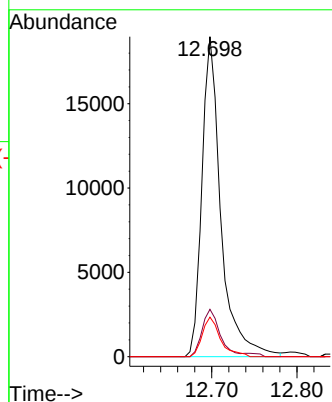
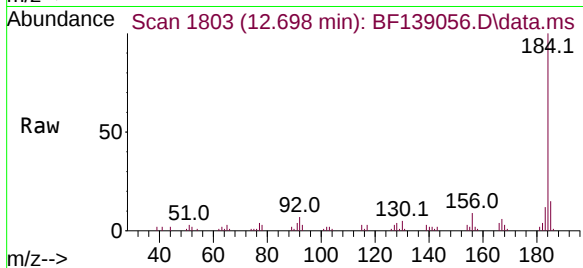
Tgt Ion:184 Resp: 29353

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

183 12.3 9.6 14.4



#78

Pyrene

Concen: 12.199 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

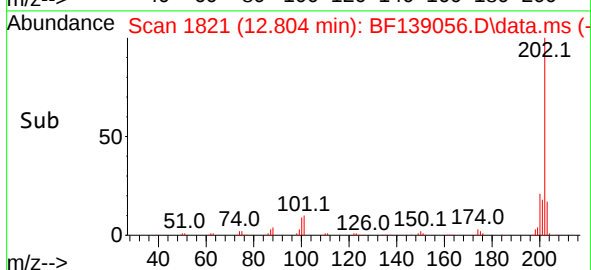
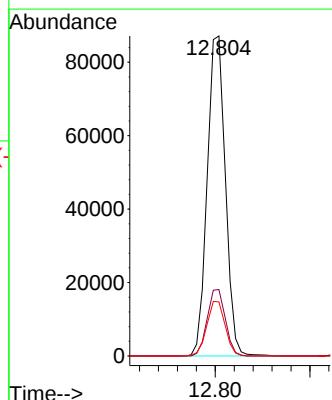
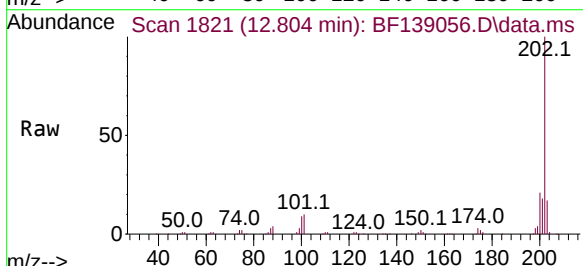
Tgt Ion:202 Resp: 116034

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 111.803 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

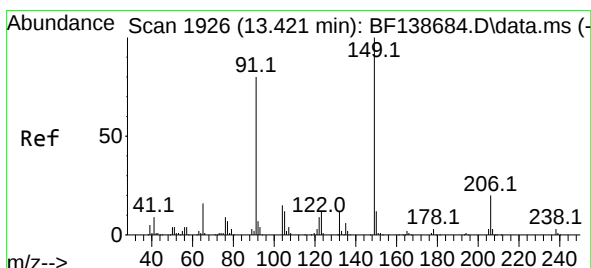
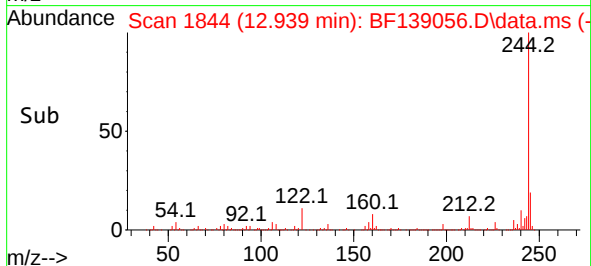
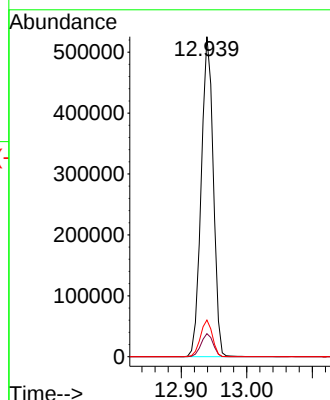
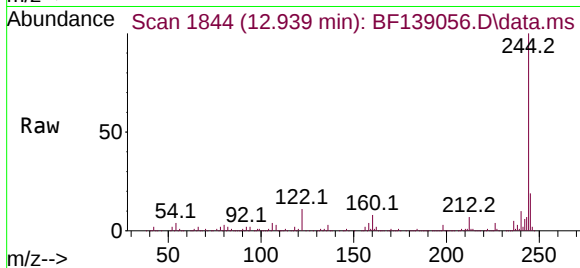
Tgt Ion:244 Resp: 674634

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 11.5 9.6 14.4



#80

Butylbenzylphthalate

Concen: 13.237 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

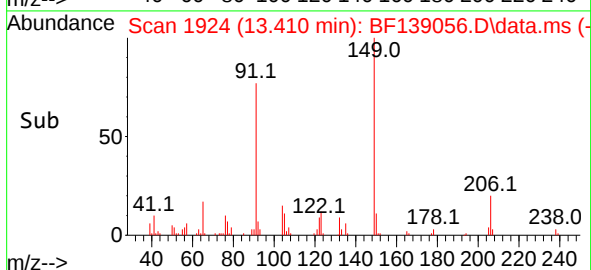
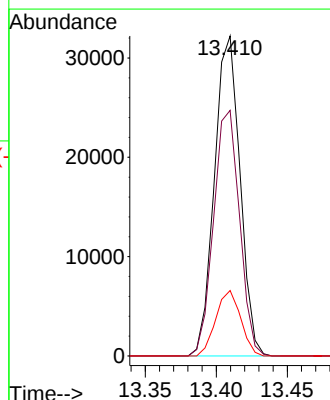
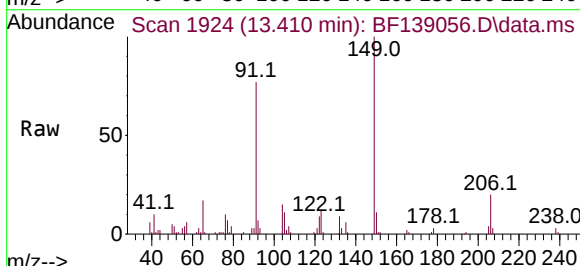
Tgt Ion:149 Resp: 40321

Ion Ratio Lower Upper

149 100

91 76.8 63.7 95.5

206 20.5 16.2 24.2





#81

Benzo(a)anthracene

Concen: 11.398 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

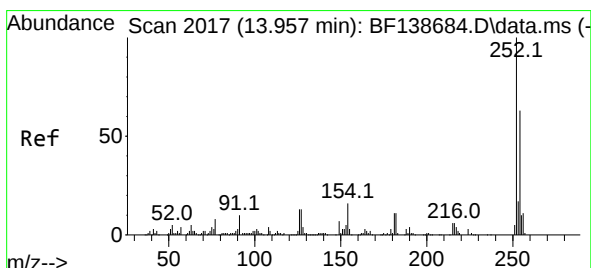
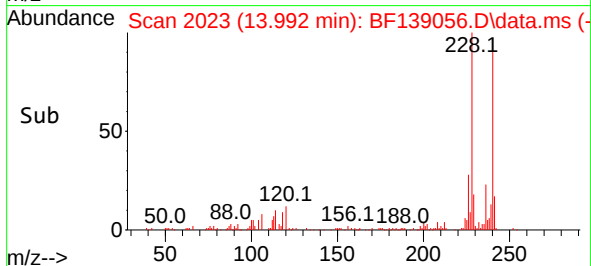
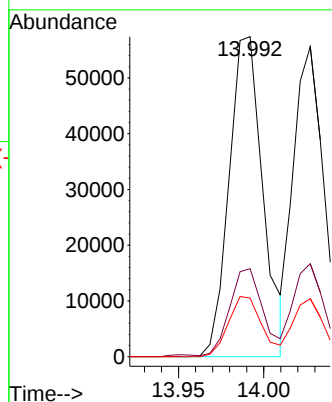
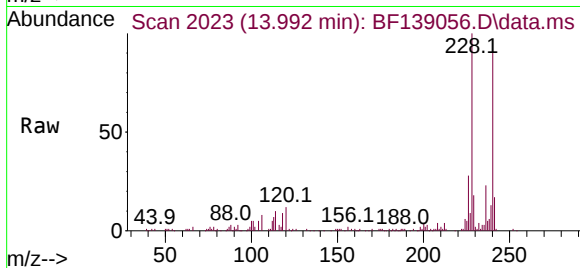
Tgt Ion:228 Resp: 79299

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

229 18.3 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 12.750 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

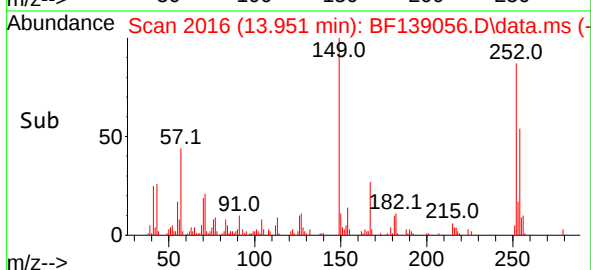
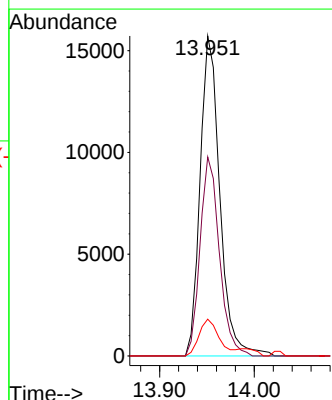
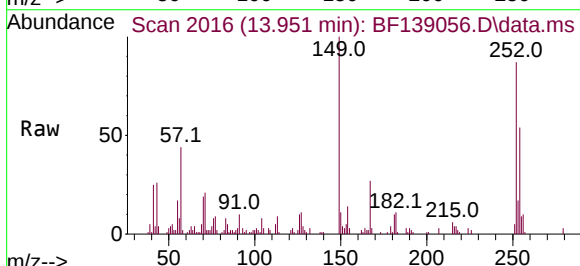
Tgt Ion:252 Resp: 22700

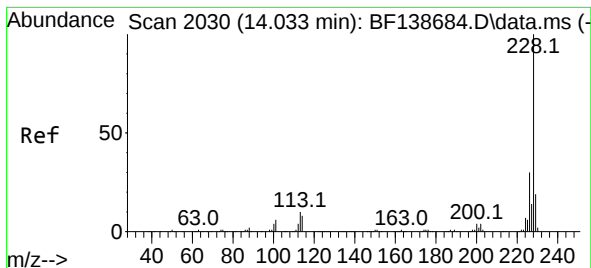
Ion Ratio Lower Upper

252 100

254 62.2 50.8 76.2

126 11.5 10.2 15.2





#83

Chrysene

Concen: 11.013 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

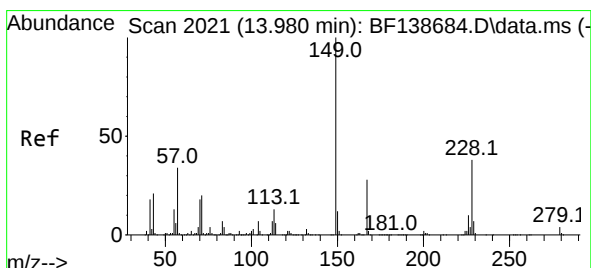
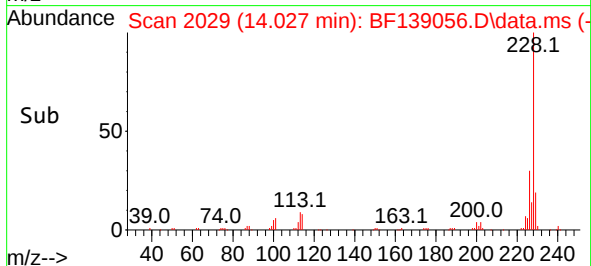
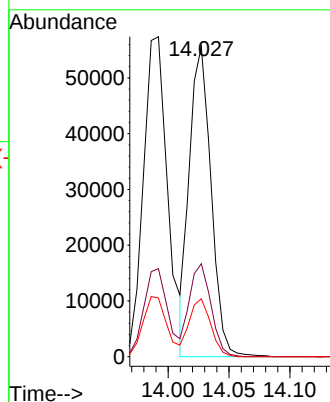
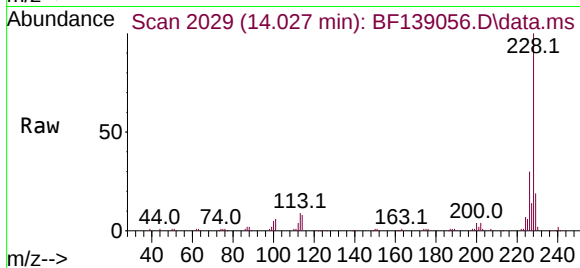
Tgt Ion:228 Resp: 69123

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 18.7 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.125 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

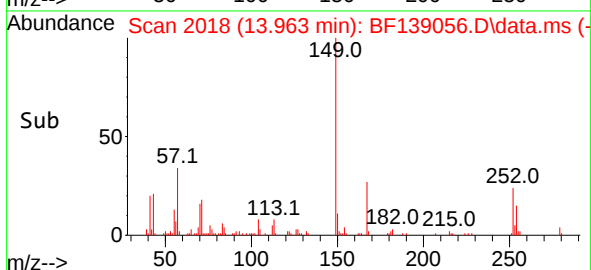
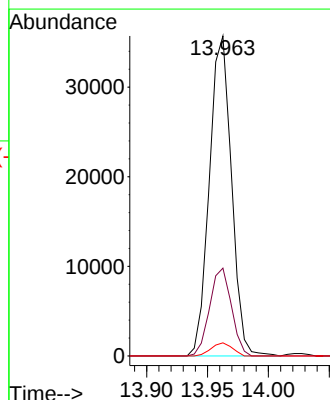
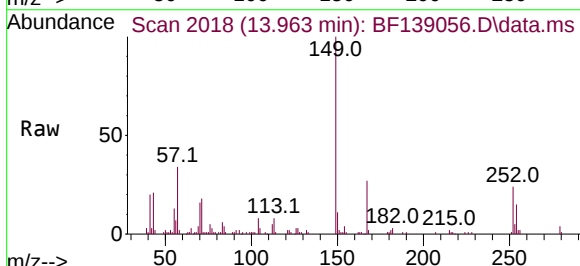
Tgt Ion:149 Resp: 45161

Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 7.566 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

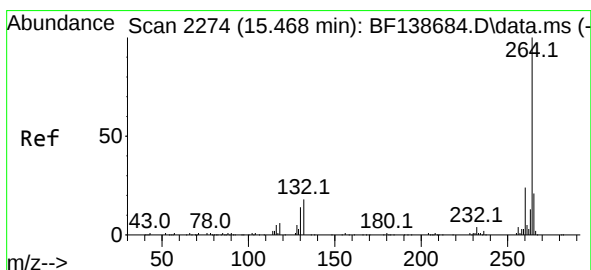
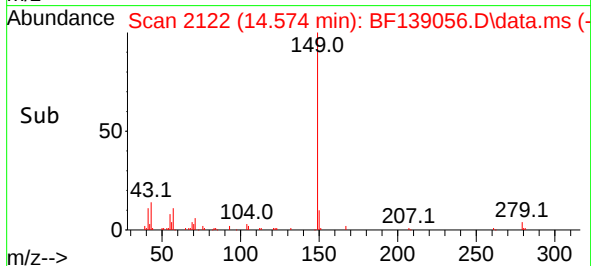
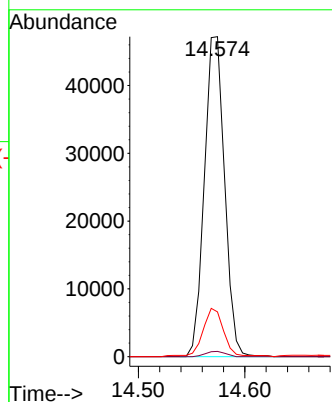
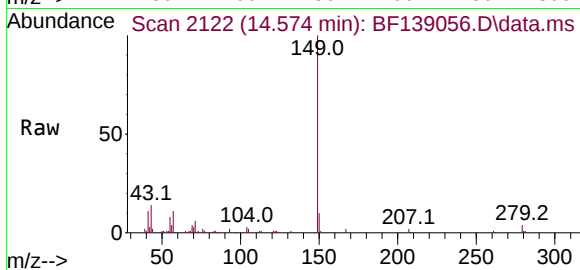
Tgt Ion:149 Resp: 62440

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 15.8 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: BF139056.D

Acq: 16 Aug 2024 14:24

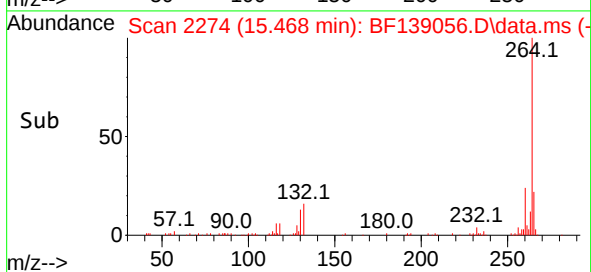
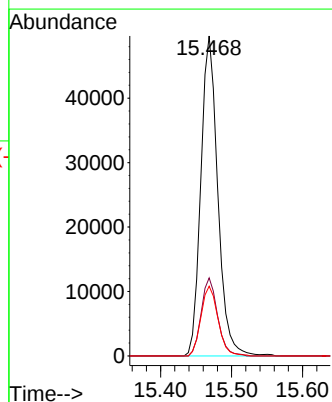
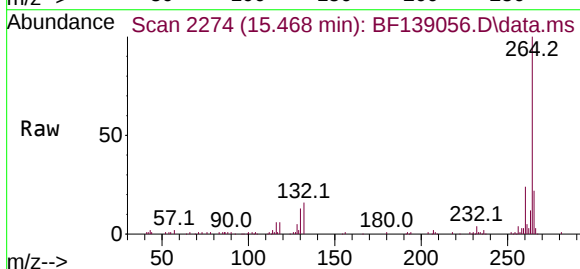
Tgt Ion:264 Resp: 82547

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 21.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.137 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

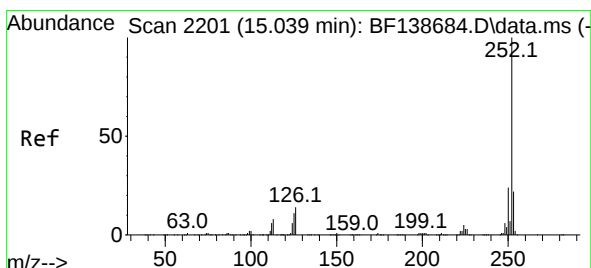
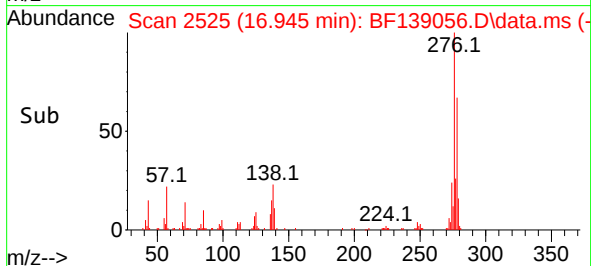
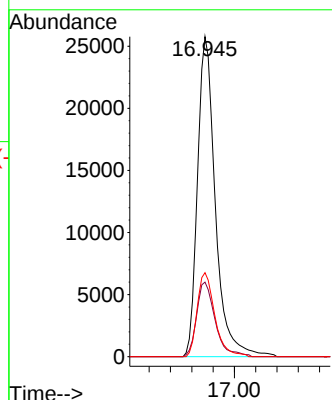
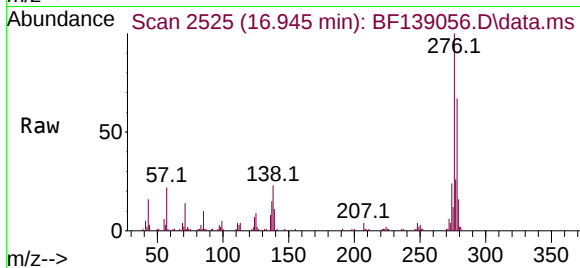
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:276	Resp:	59969
Ion Ratio	Lower	Upper
276	100	
138	24.2	21.8 32.8
277	25.8	20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 12.833 ng m

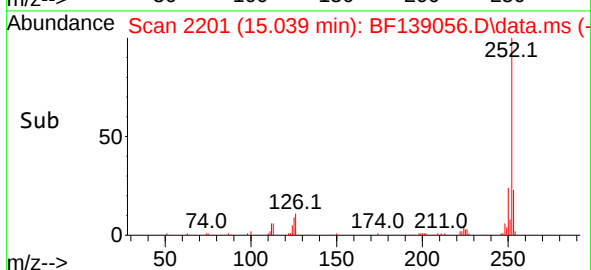
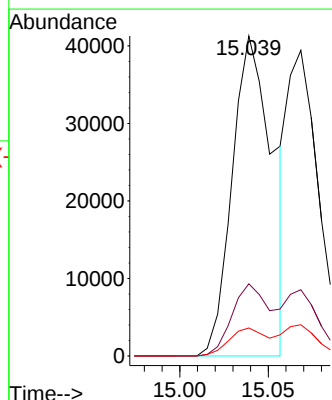
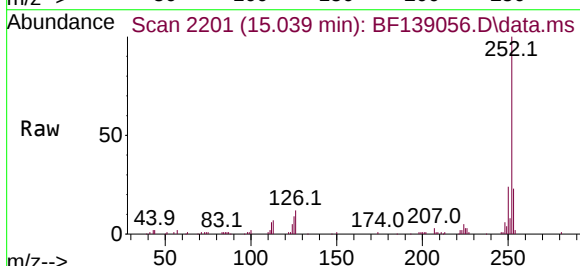
RT: 15.039 min Scan# 2201

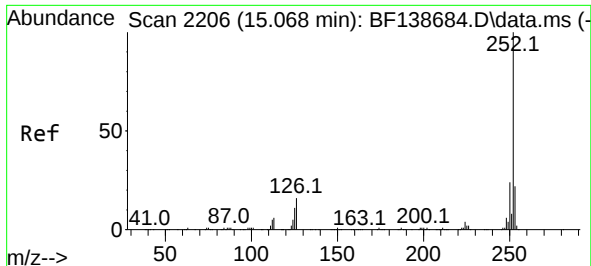
Delta R.T. -0.000 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

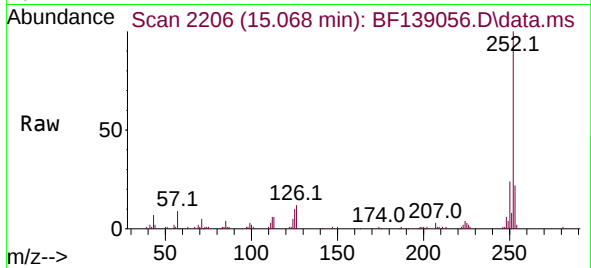
Tgt Ion:252	Resp:	65667
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.5 26.3
125	8.8	8.9 13.3



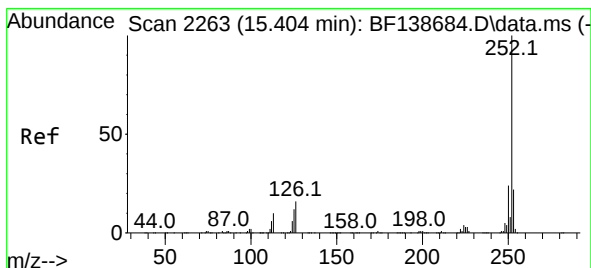
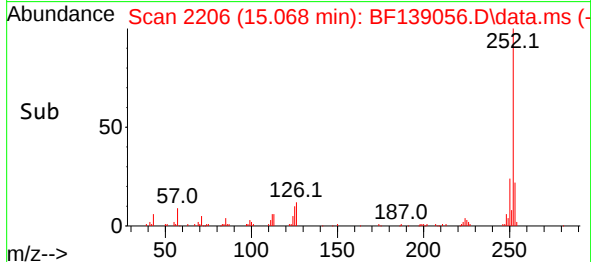
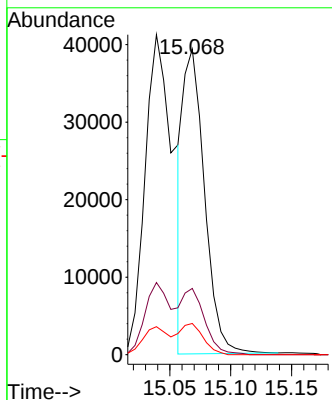


#89
Benzo(k)fluoranthene
Concen: 10.868 ng
RT: 15.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

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

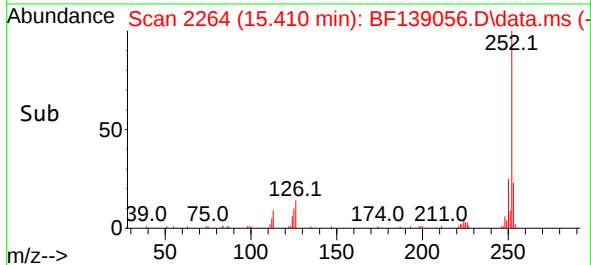
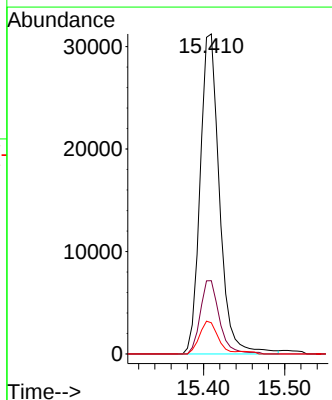
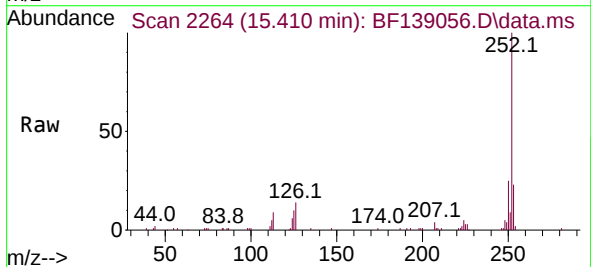


Tgt Ion:252 Resp: 48151
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.2 8.6 13.0



#90
Benzo(a)pyrene
Concen: 11.990 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:252 Resp: 51609
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 9.8 9.5 14.3

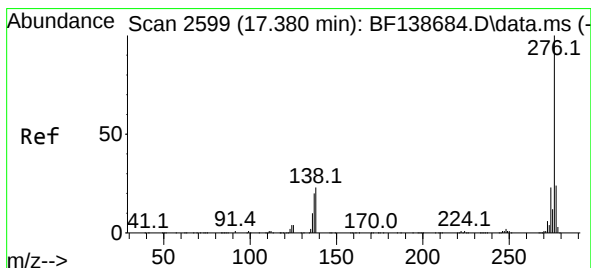
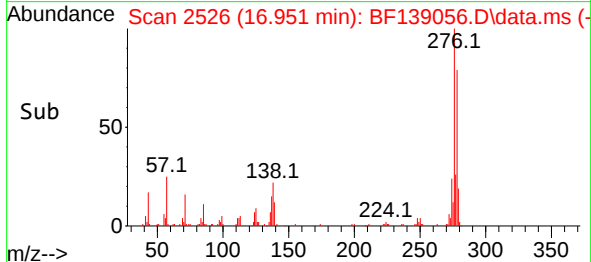
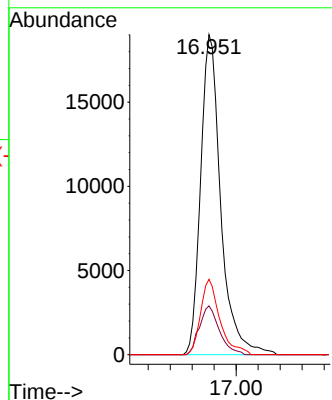
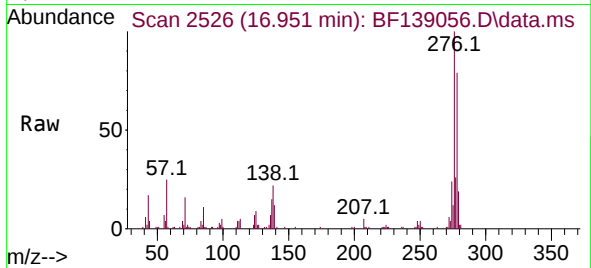




#91
Dibenzo(a,h)anthracene
Concen: 9.934 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

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

Tgt Ion:	278	Resp:	48238
Ion Ratio	Lower	Upper	
278	100		
139	15.2	14.0	21.0
279	23.6	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 9.590 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

Tgt Ion:	276	Resp:	48325
Ion Ratio	Lower	Upper	
276	100		
277	22.3	19.0	28.4
138	19.1	18.5	27.7

