

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 14:43:52 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						
						Qvalue
2) 1,4-Dioxane	2.587	88	14718	10.811	ng	# 93
3) Pyridine	3.416	79	28242	8.563	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

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

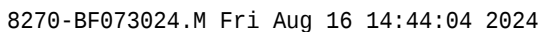
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

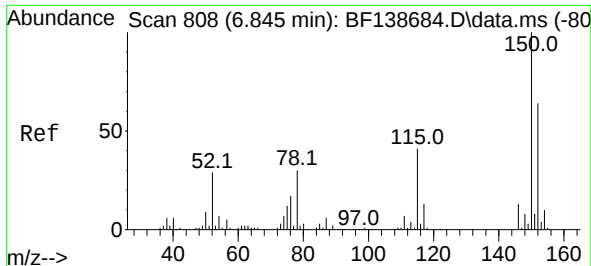
Quant Time: Aug 16 14:43:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	16542	10.488	ng	93
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	17443	11.043	ng	# 81
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	15.068	252	48151	9.410	ng	99
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

Quant Time: Aug 16 14:43:52 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

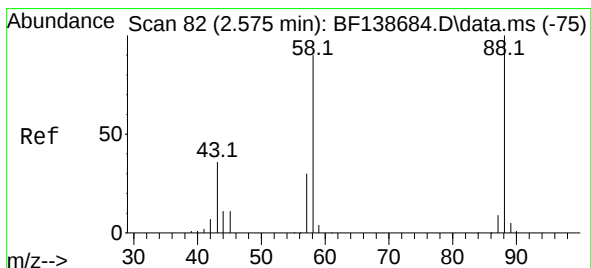
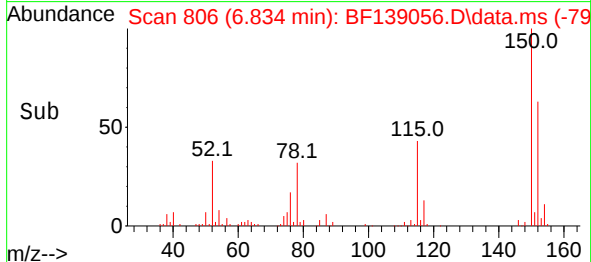
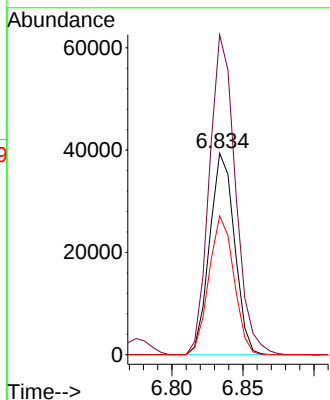
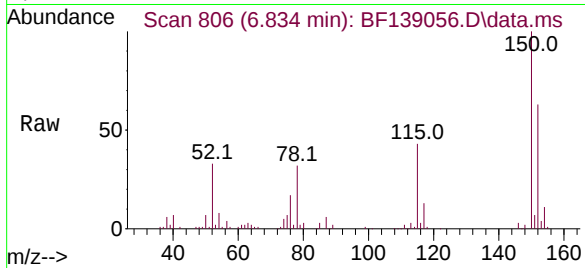




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 80
 Delta R.T. -0.011 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

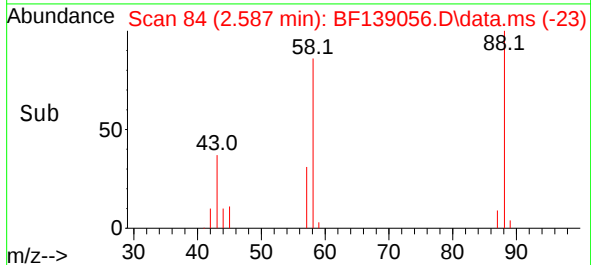
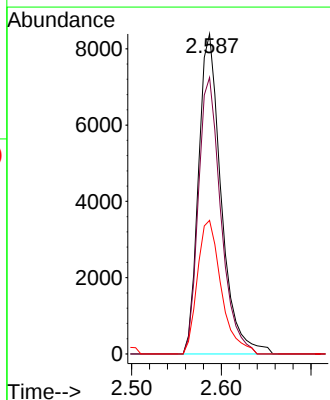
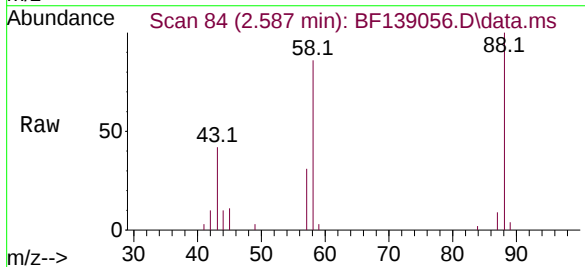
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

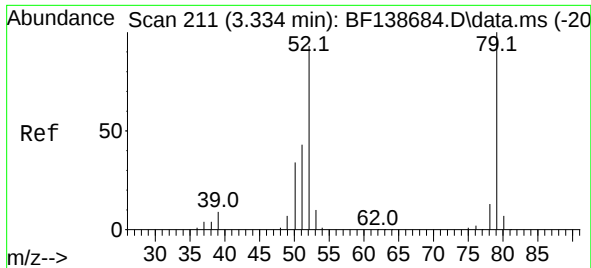
Tgt Ion:152 Resp: 48003
 Ion Ratio Lower Upper
 152 100
 150 158.9 126.0 189.0
 115 68.9 51.7 77.5



#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: 8.563 ng

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

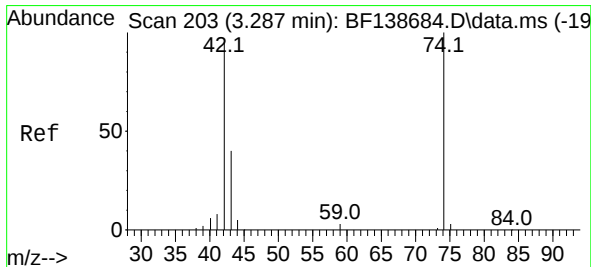
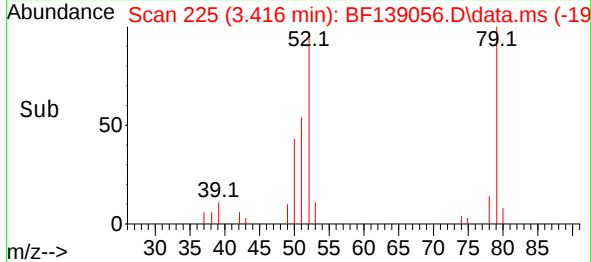
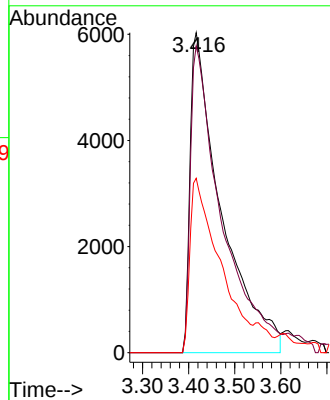
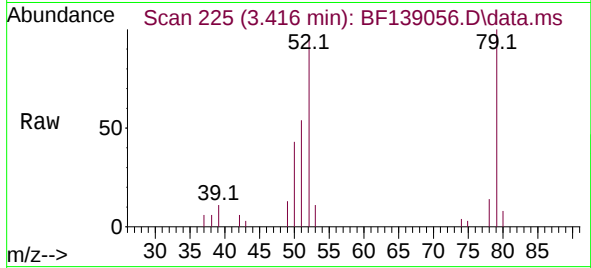
Tgt Ion: 79 Resp: 28242

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

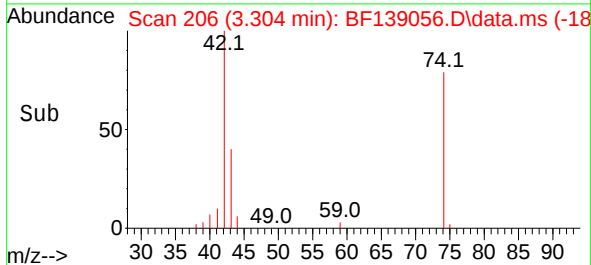
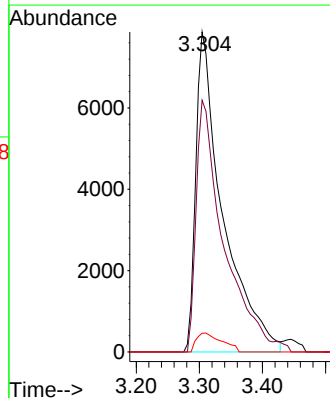
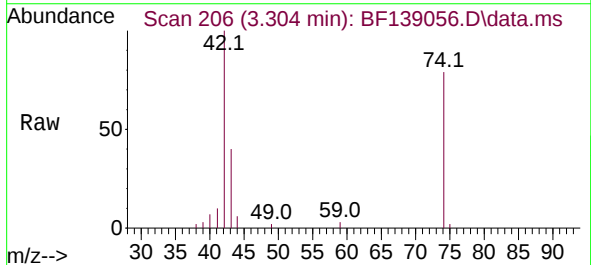
Tgt Ion: 42 Resp: 23367

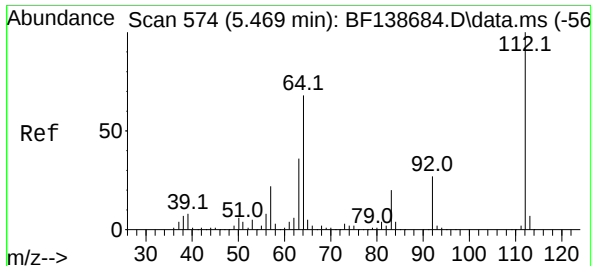
Ion Ratio Lower Upper

42 100

74 78.6 84.2 126.4#

44 5.9 4.9 7.3

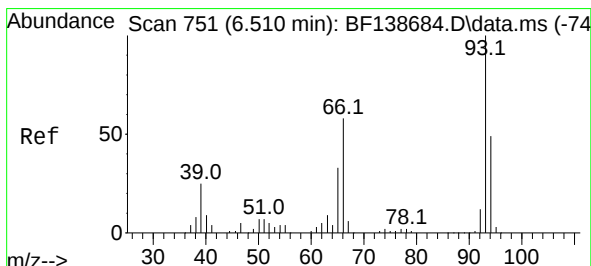
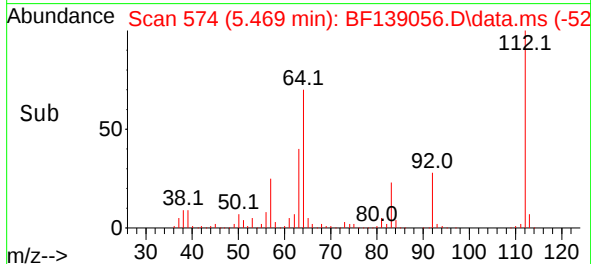
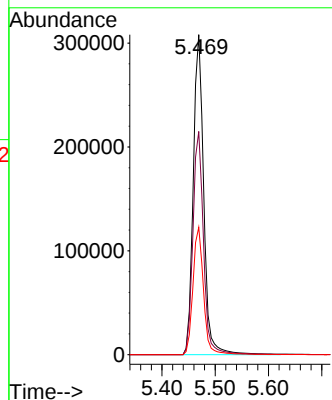
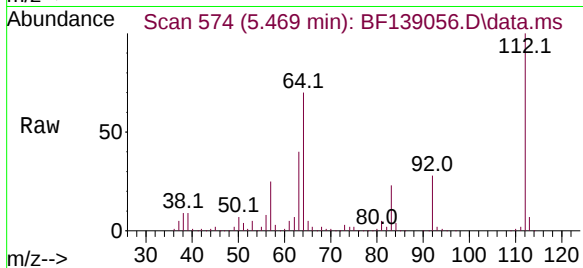




#5
2-Fluorophenol
Concen: 136.102 ng
RT: 5.469 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

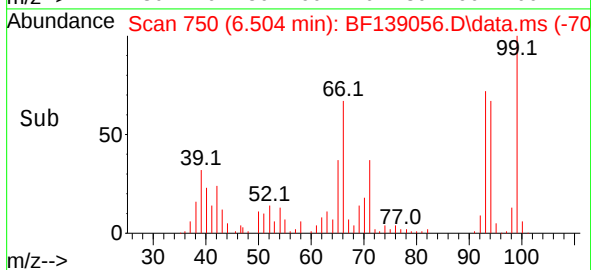
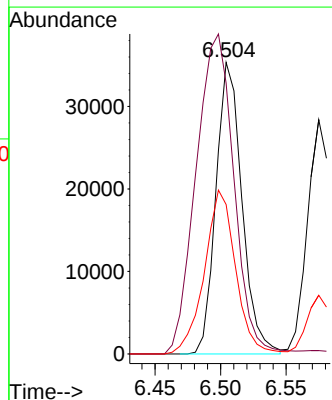
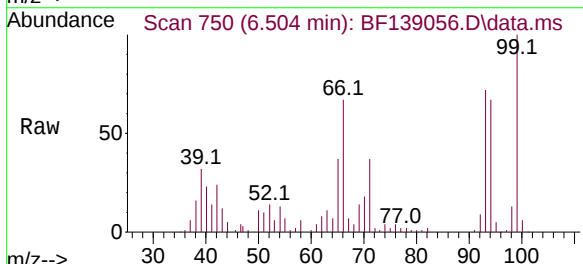
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

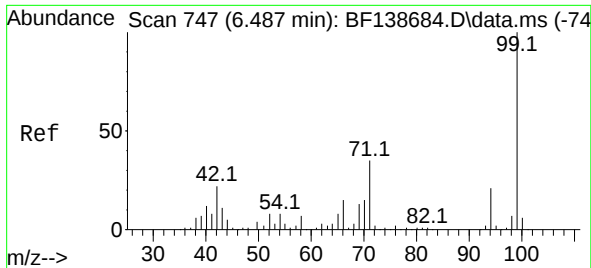
Tgt Ion:112 Resp: 423238
Ion Ratio Lower Upper
112 100
64 69.8 54.2 81.4
63 39.8 28.7 43.1



#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

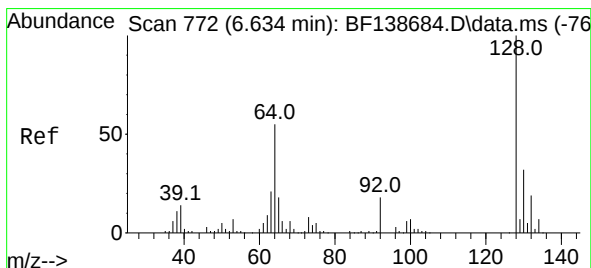
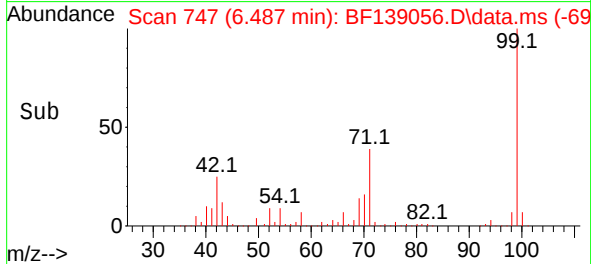
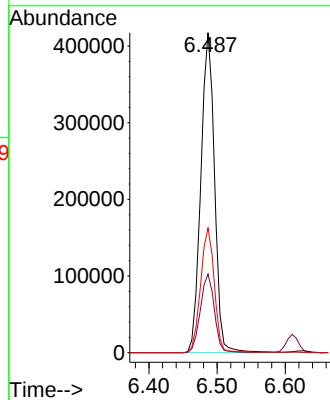
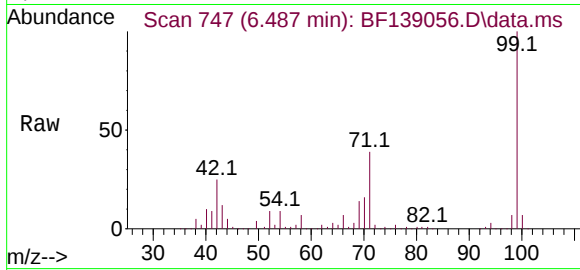
Tgt Ion: 99 Resp: 582707

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

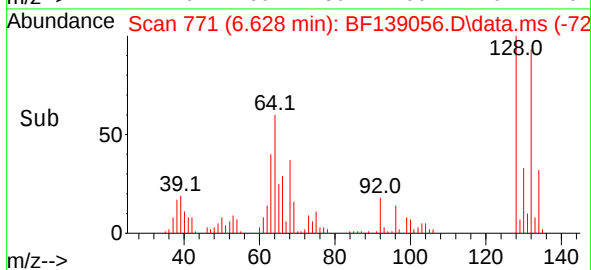
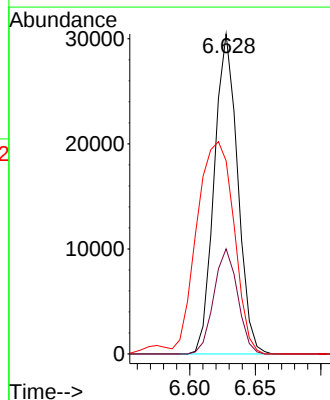
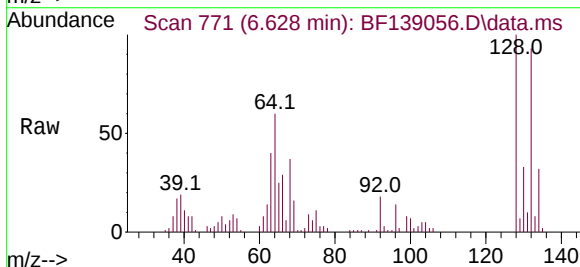
Tgt Ion:128 Resp: 37766

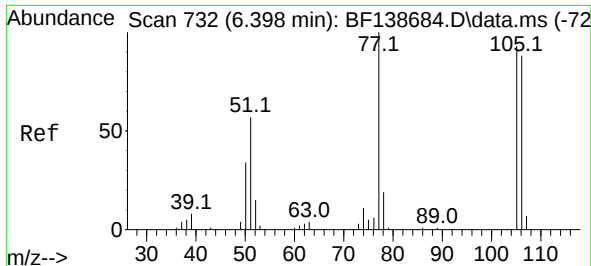
Ion Ratio Lower Upper

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# 749

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

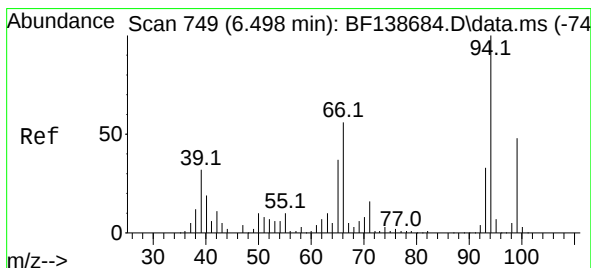
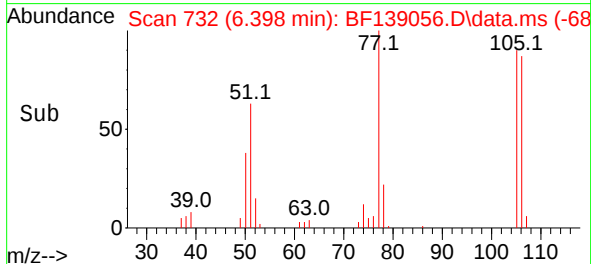
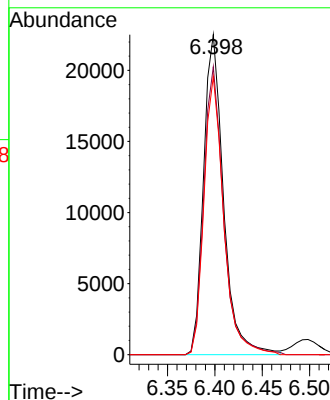
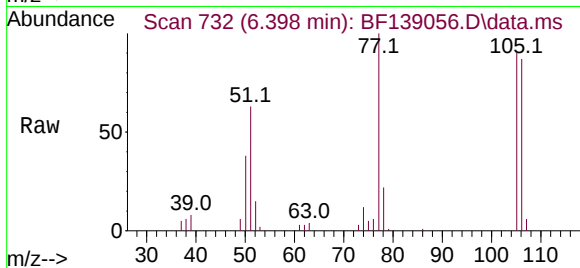
Tgt Ion: 77 Resp: 32951

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

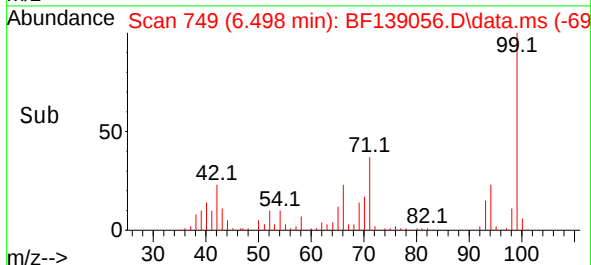
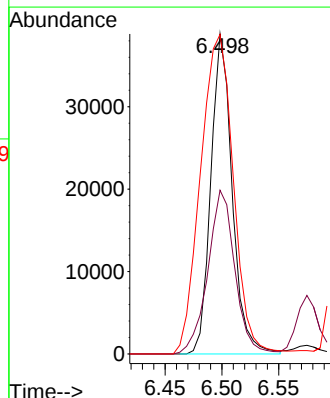
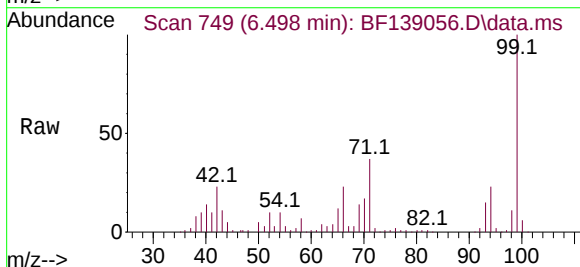
Tgt Ion: 94 Resp: 50739

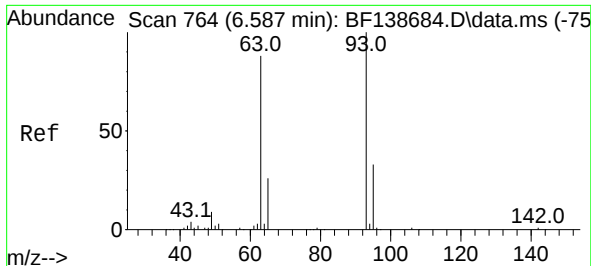
Ion Ratio Lower Upper

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

Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

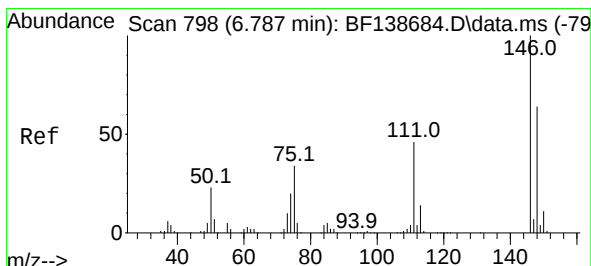
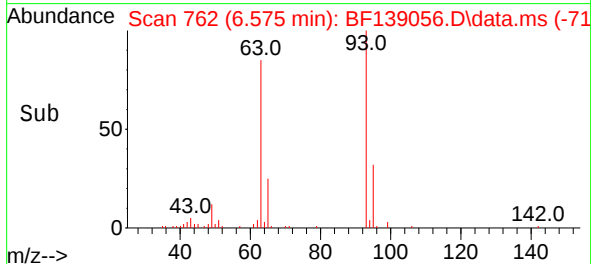
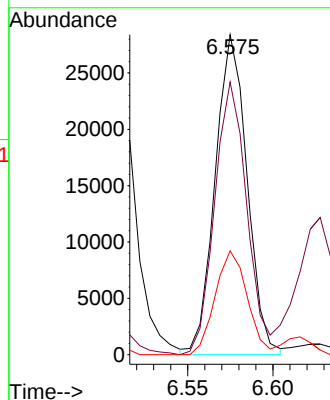
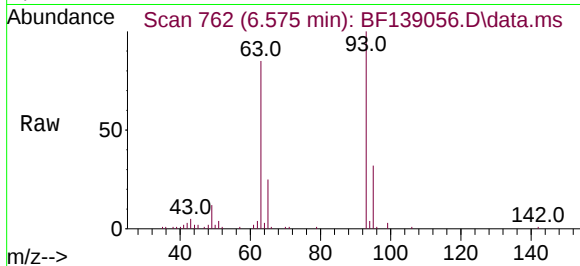
Tgt Ion: 93 Resp: 37003

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

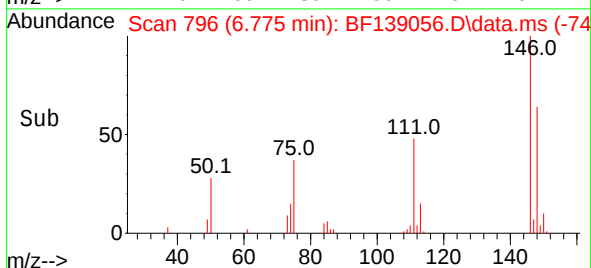
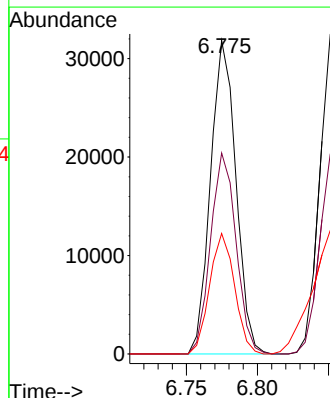
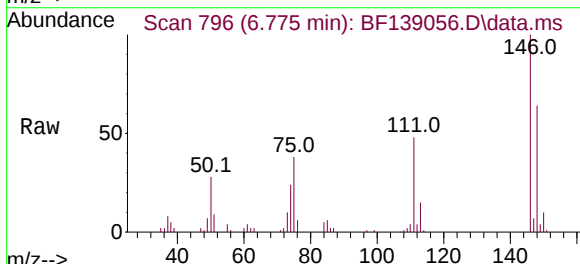
Tgt Ion:146 Resp: 39519

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

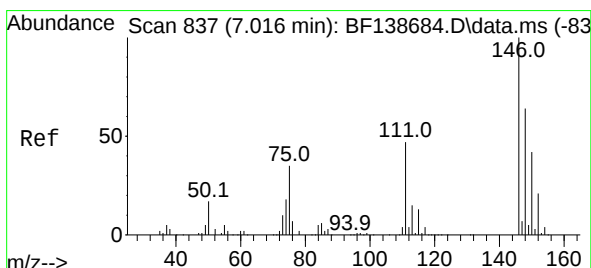
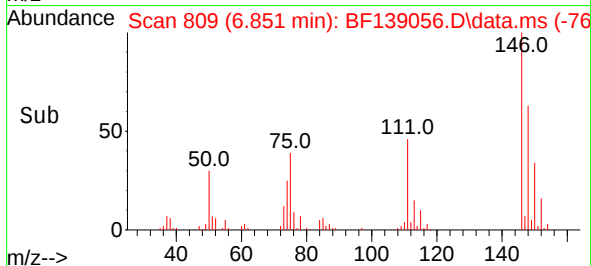
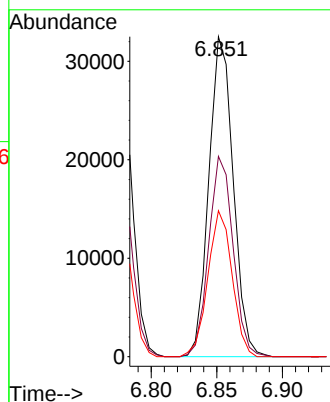
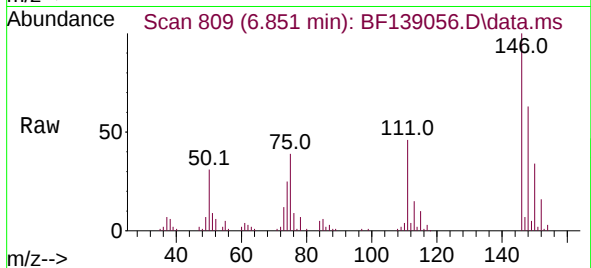
Tgt Ion:146 Resp: 41989

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

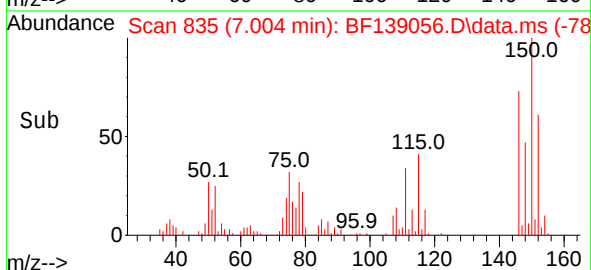
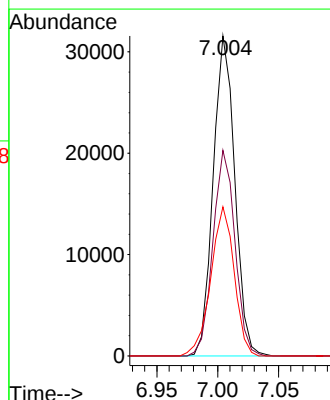
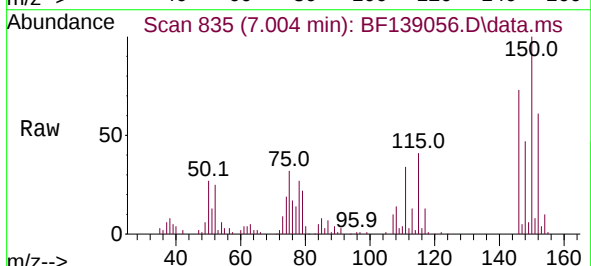
Tgt Ion:146 Resp: 38927

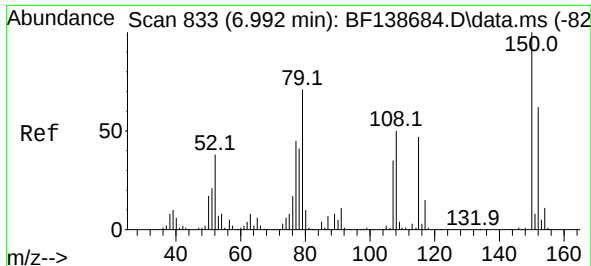
Ion Ratio Lower Upper

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# 841

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

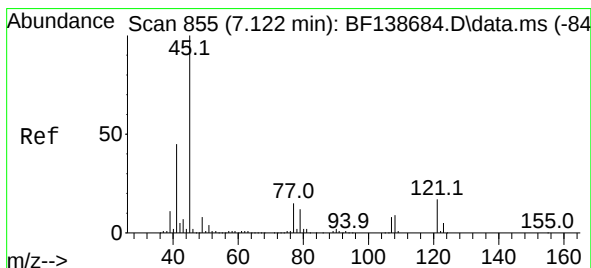
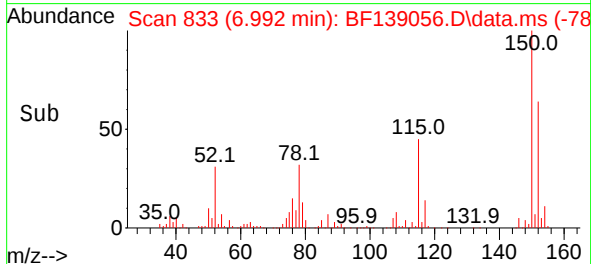
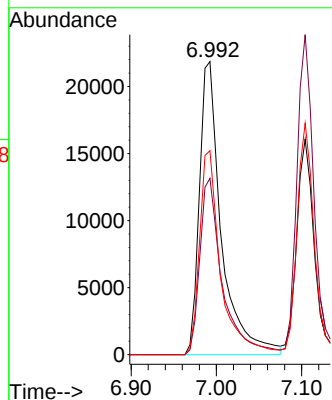
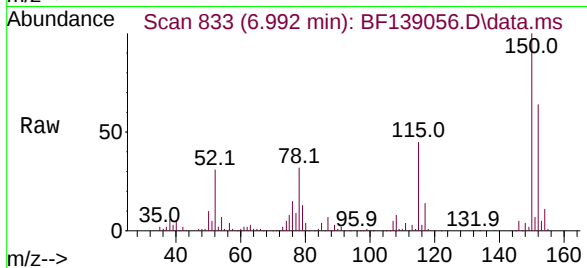
Tgt Ion: 79 Resp: 39217

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

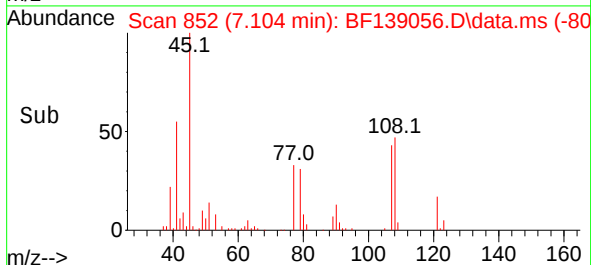
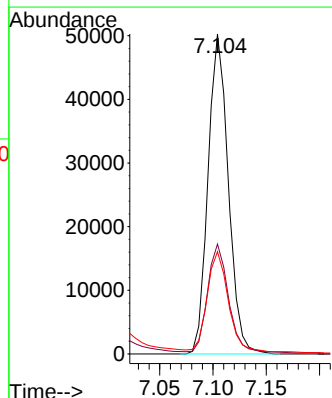
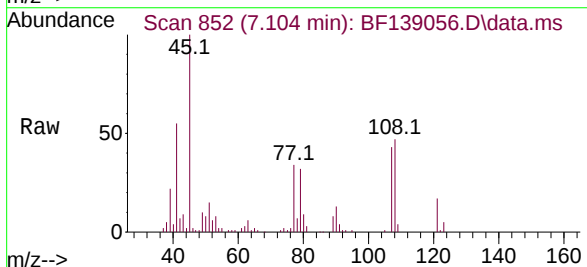
Tgt Ion: 45 Resp: 66707

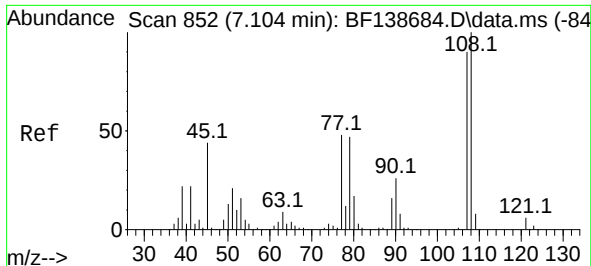
Ion Ratio Lower Upper

45 100

77 34.3 0.0 34.9

79 31.9 0.0 32.2

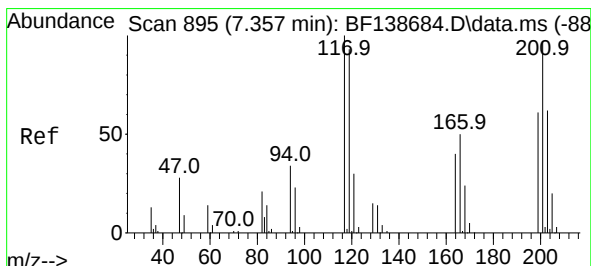
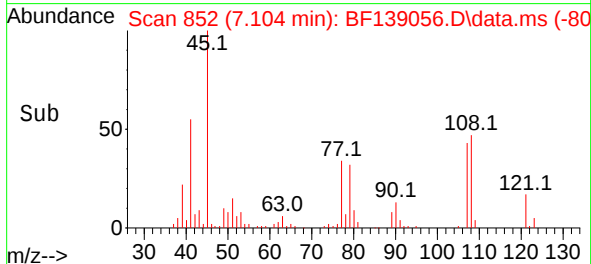
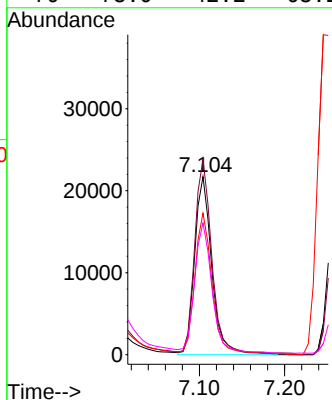
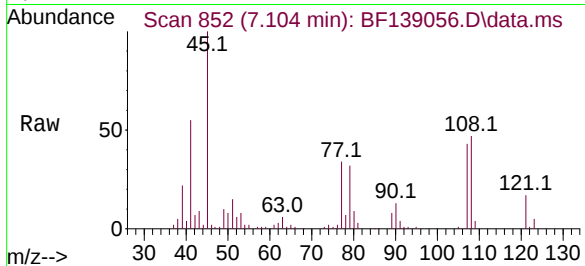




#17
2-Methylphenol
Concen: 11.274 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

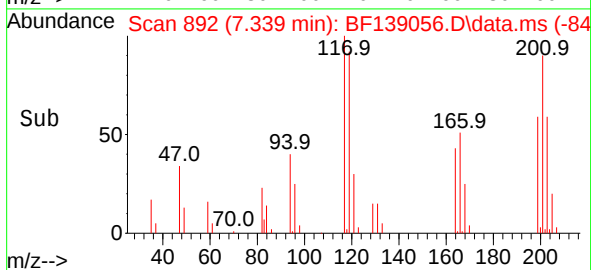
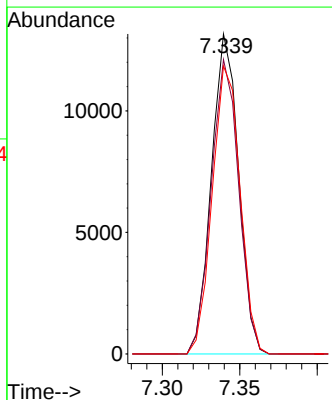
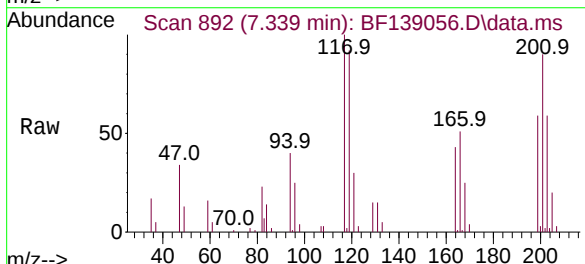
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

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

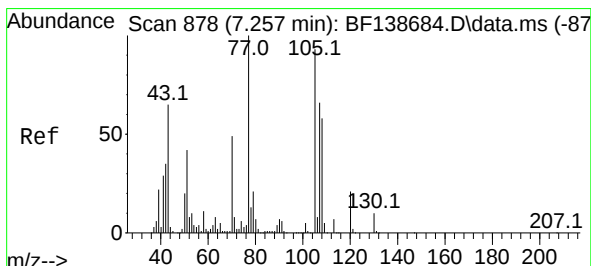
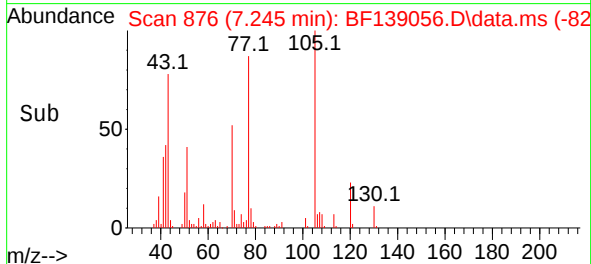
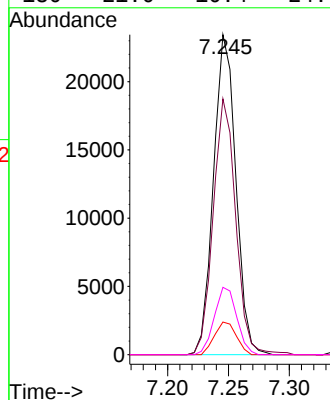
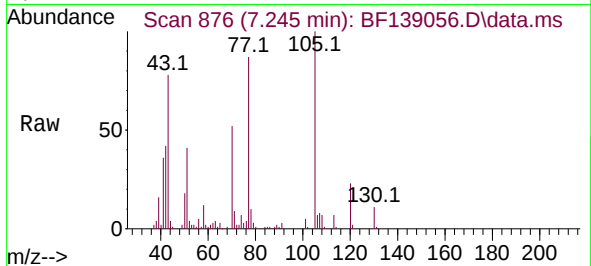




#19
n-Nitroso-di-n-propylamine
Concen: 11.856 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

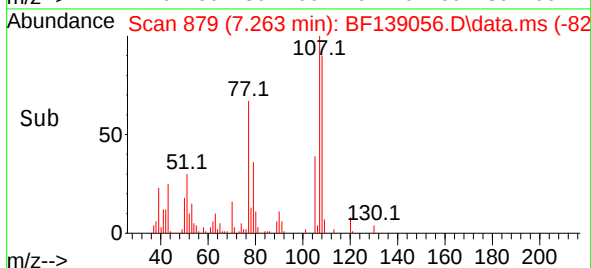
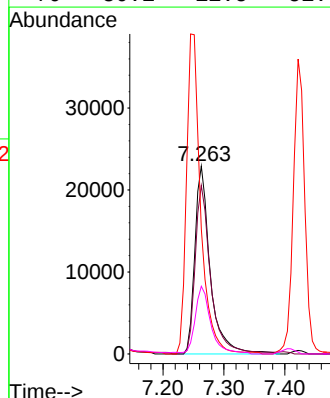
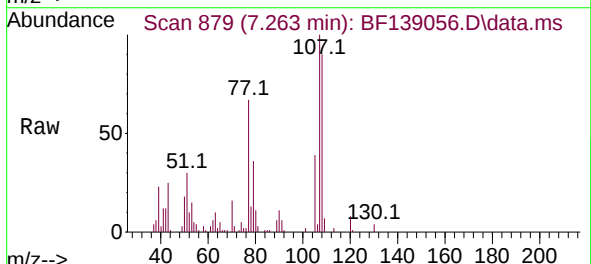
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

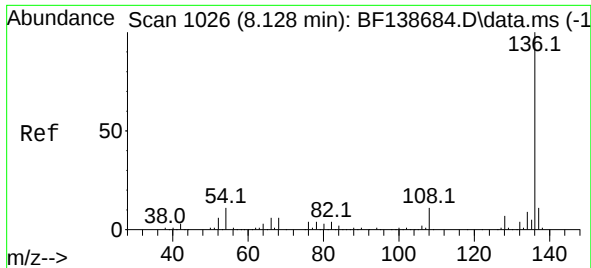
Tgt Ion:	70	Resp:	29897
Ion	Ratio	Lower	Upper
70	100		
42	79.9	57.4	86.0
101	10.2	7.5	11.3
130	21.0	16.4	24.6



#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

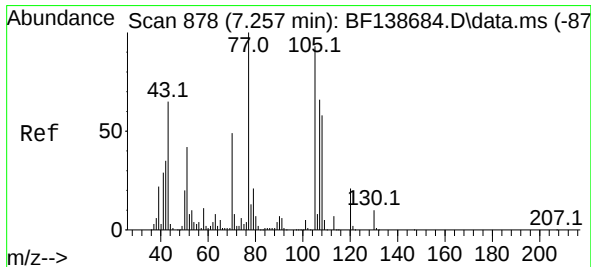
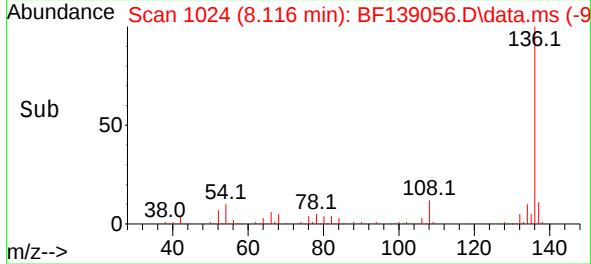
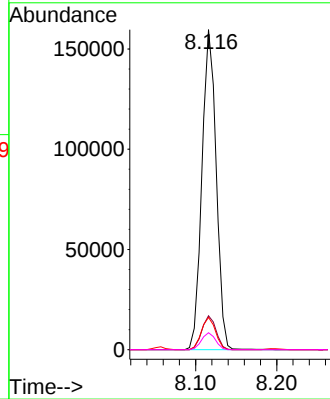
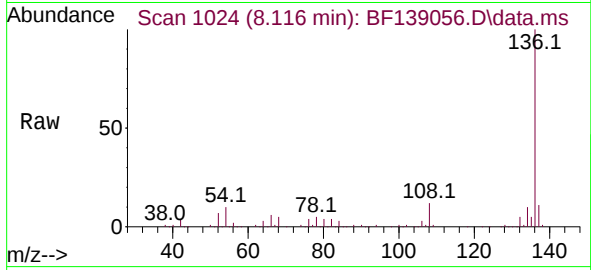




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

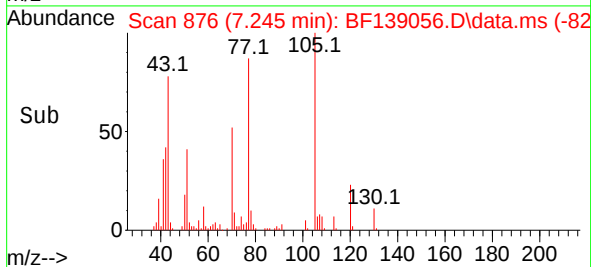
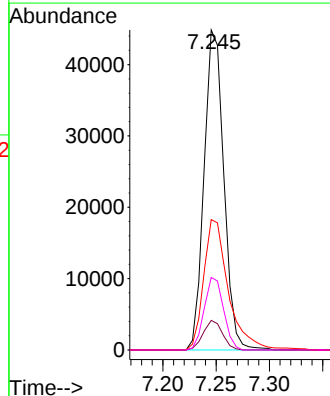
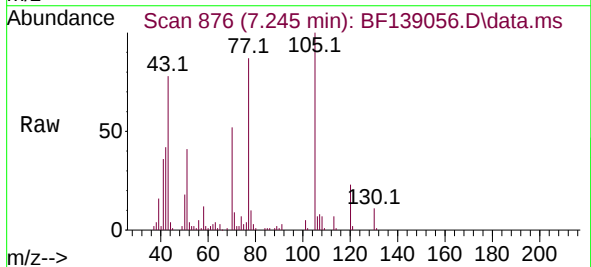
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

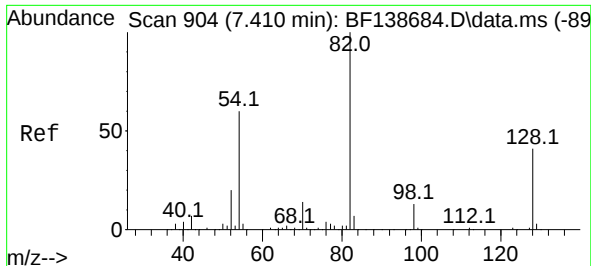
Tgt Ion:136	Resp:	194786
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	10.1	8.6 12.8
68	5.3	4.8 7.2



#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

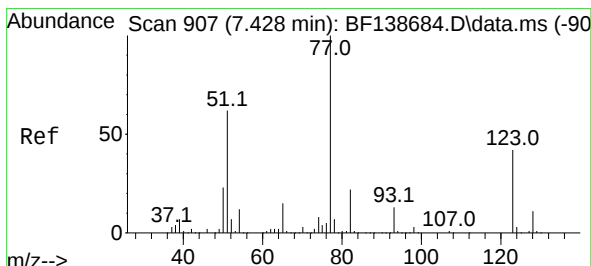
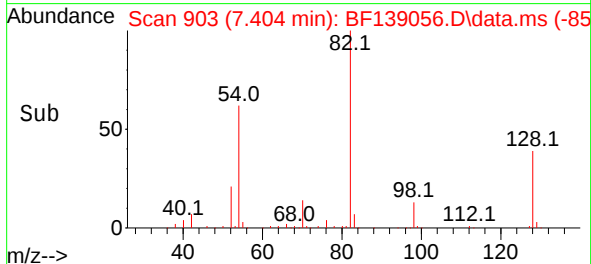
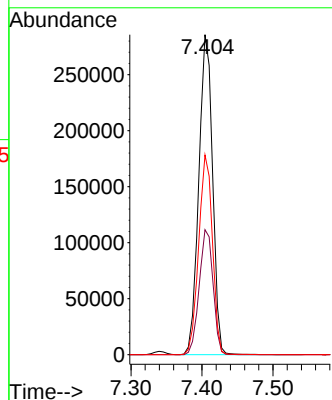
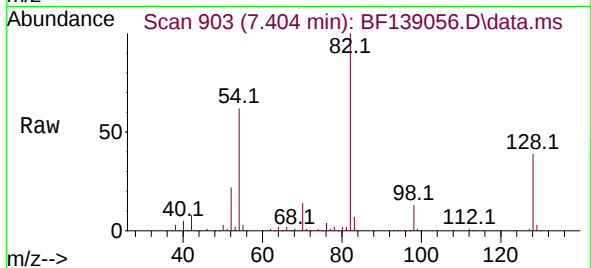




#23
Nitrobenzene-d5
Concen: 96.979 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

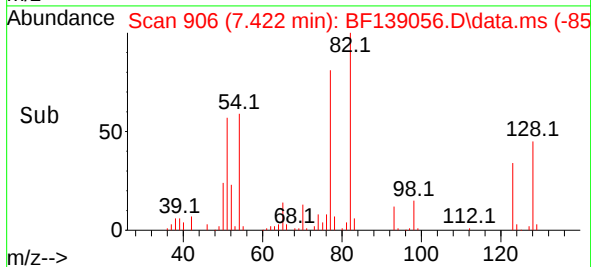
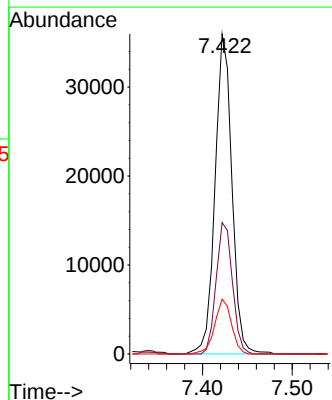
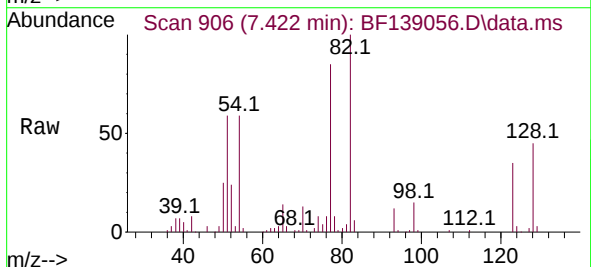
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

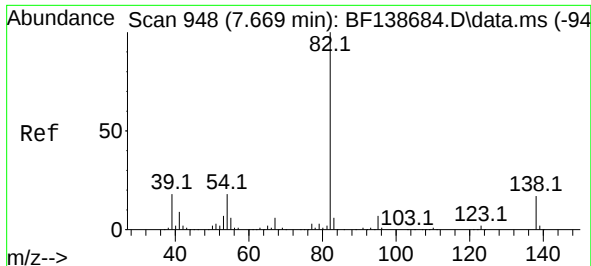
Tgt Ion: 82 Resp: 386371
Ion Ratio Lower Upper
82 100
128 39.1 32.8 49.2
54 62.4 48.3 72.5



#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

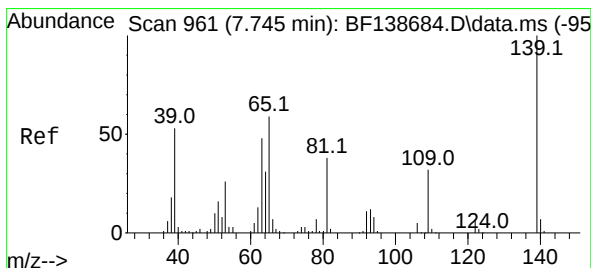
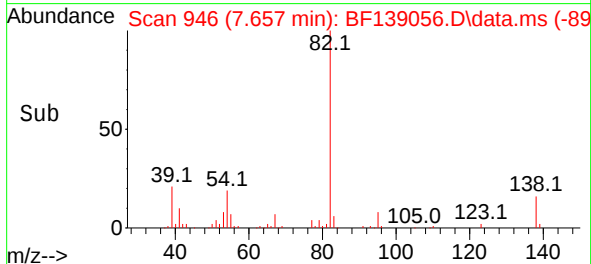
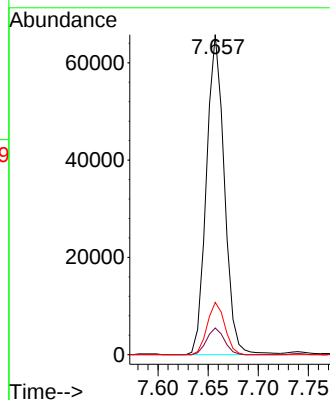
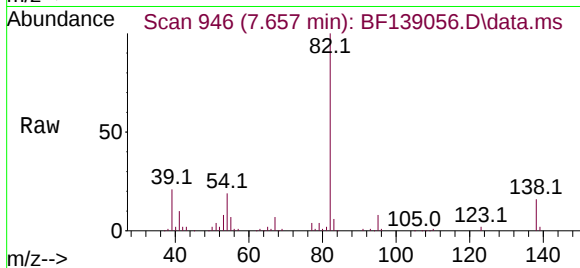
Tgt Ion: 82 Resp: 82250

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

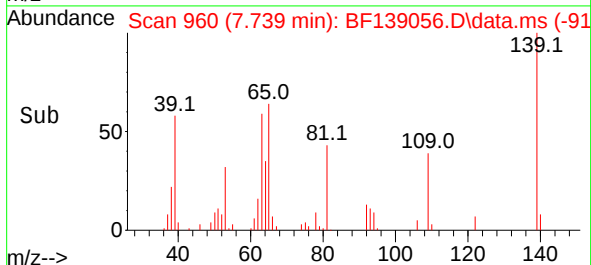
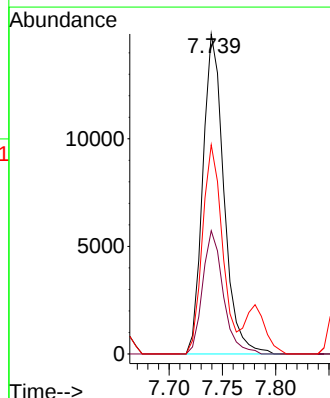
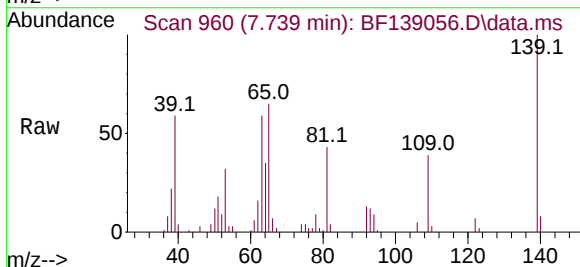
Tgt Ion:139 Resp: 20481

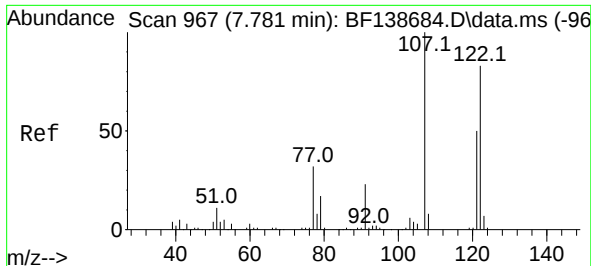
Ion Ratio Lower Upper

139 100

109 38.5 25.9 38.9

65 65.4 47.0 70.6

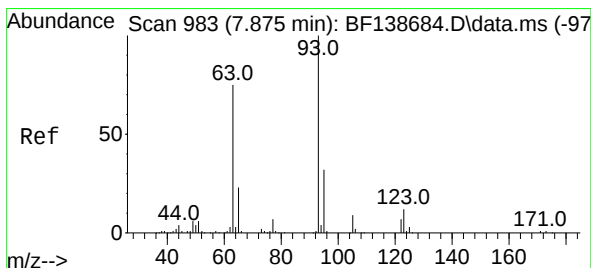
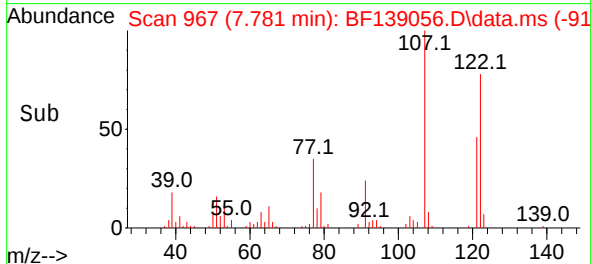
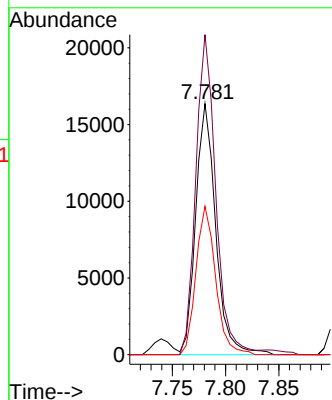
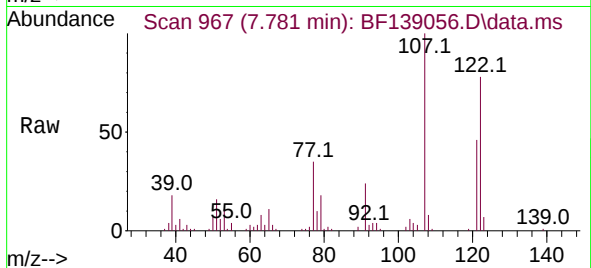




#27
2,4-Dimethylphenol
Concen: 10.283 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

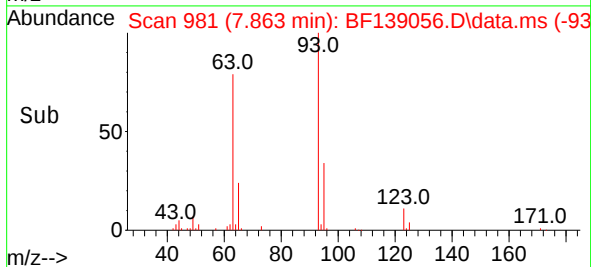
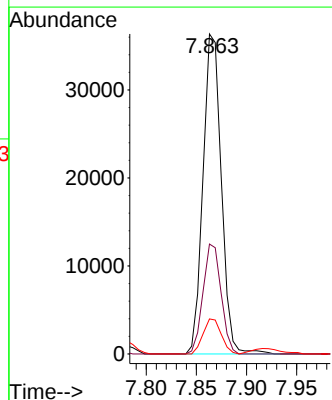
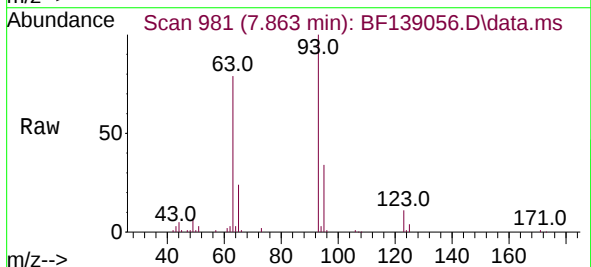
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

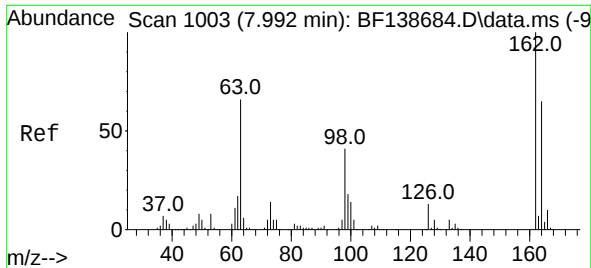
Tgt Ion:122 Resp: 21460
Ion Ratio Lower Upper
122 100
107 127.5 95.0 142.6
121 59.1 47.3 70.9



#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

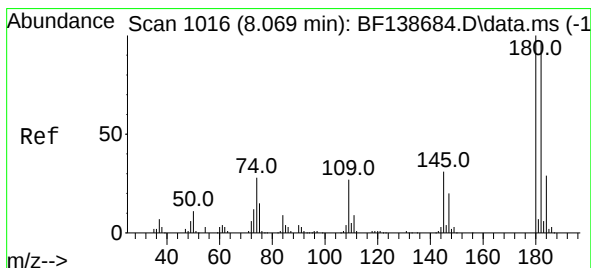
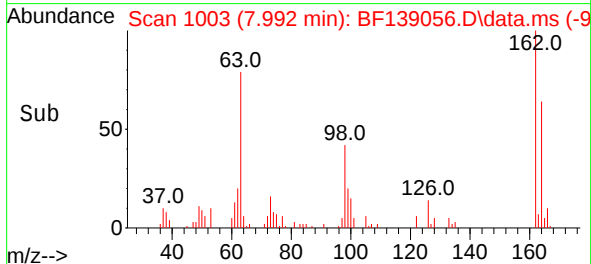
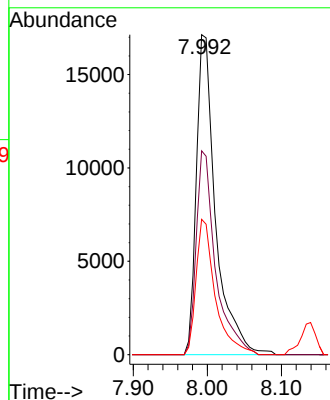
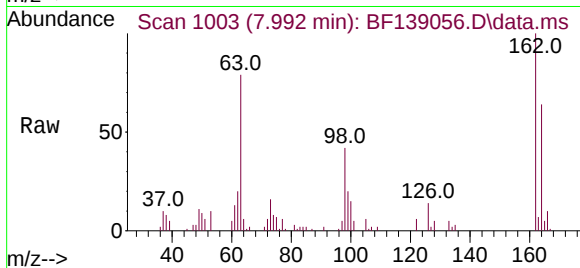




#29
2,4-Dichlorophenol
Concen: 11.540 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

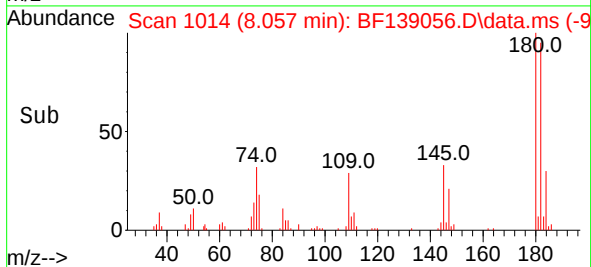
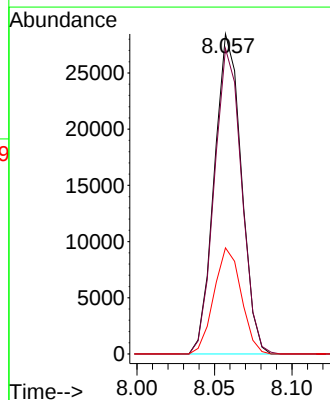
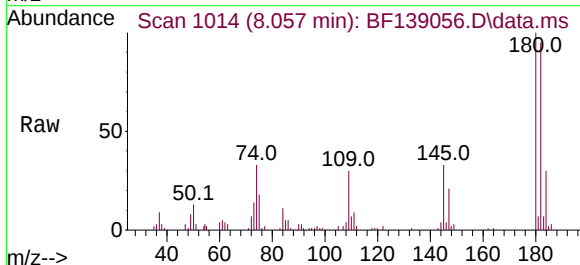
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

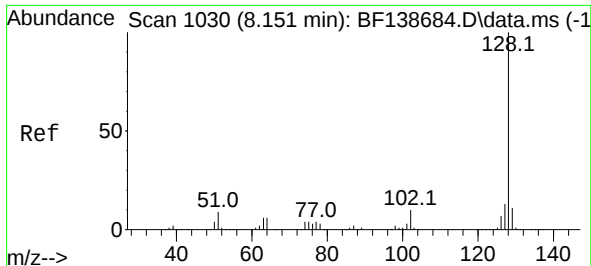
Tgt Ion:162 Resp: 30945
Ion Ratio Lower Upper
162 100
164 63.7 44.7 84.7
98 42.3 20.8 60.8



#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# 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

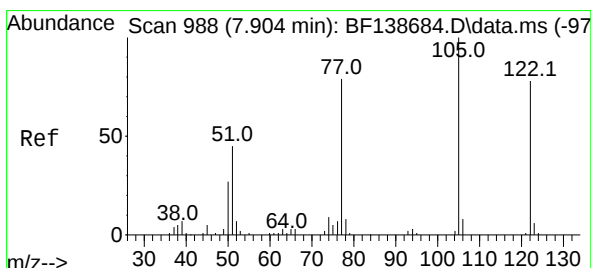
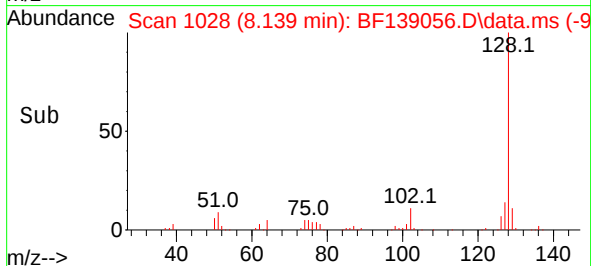
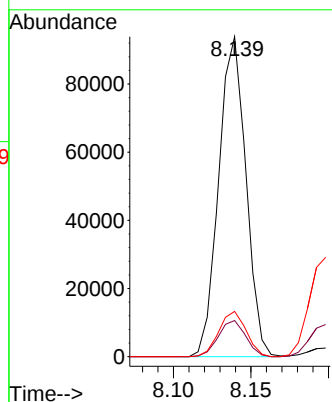
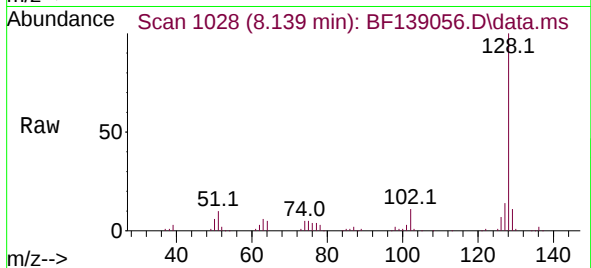
Tgt Ion:128 Resp: 114756

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

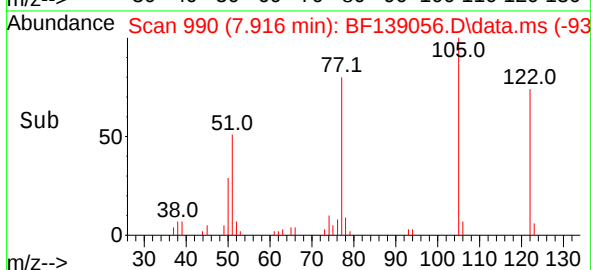
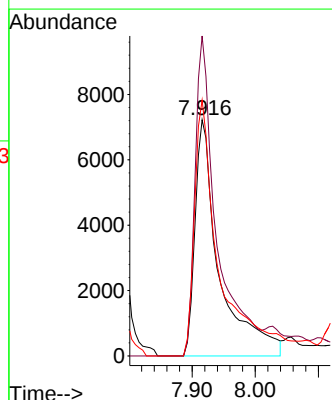
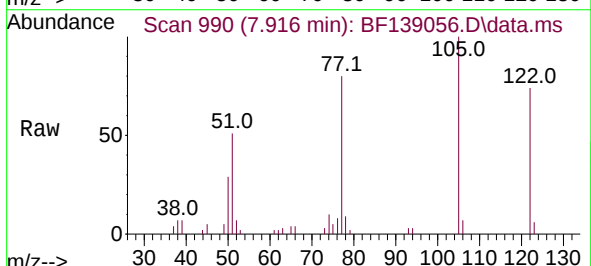
Tgt Ion:122 Resp: 19291

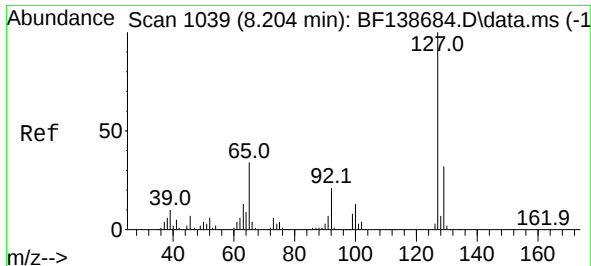
Ion Ratio Lower Upper

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# 1

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

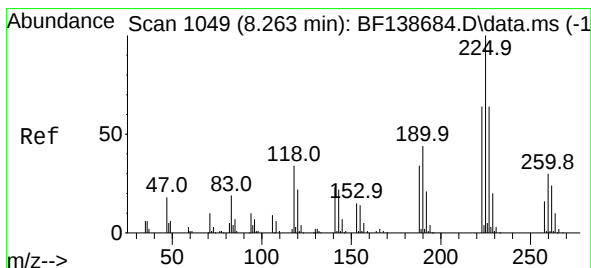
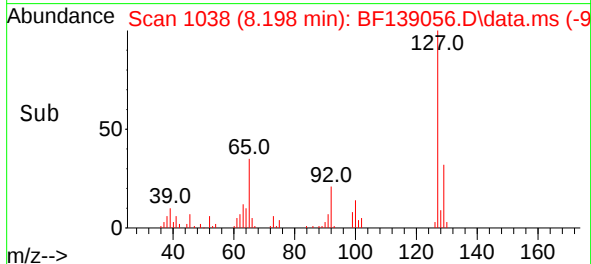
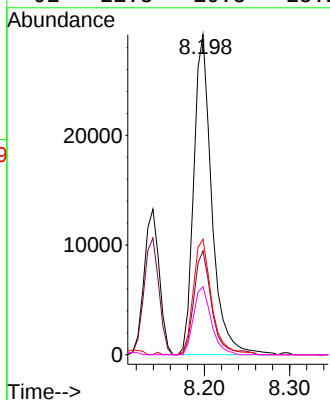
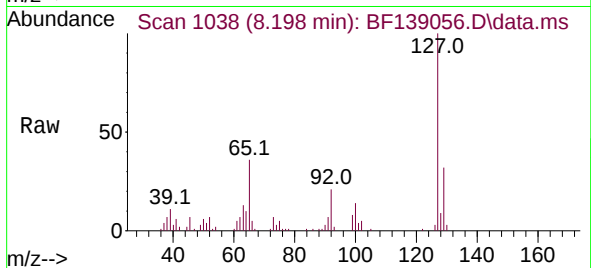
Ion Ratio Lower Upper

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

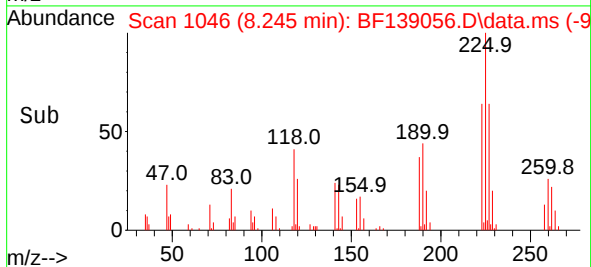
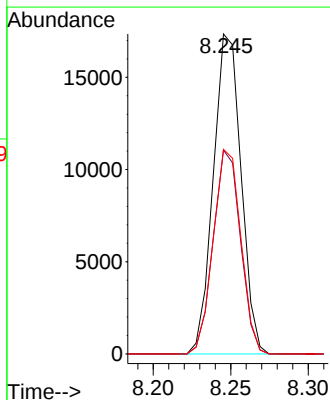
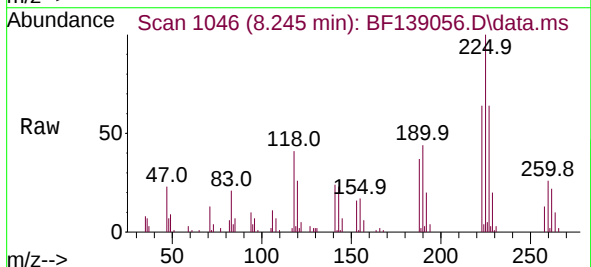
Tgt Ion:225 Resp: 21616

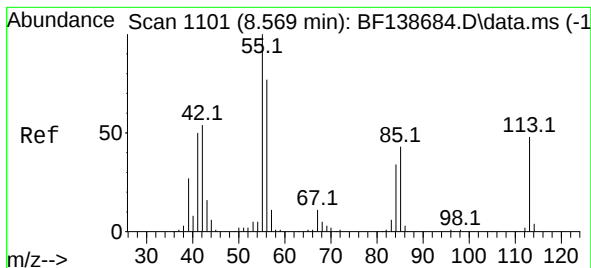
Ion Ratio Lower Upper

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

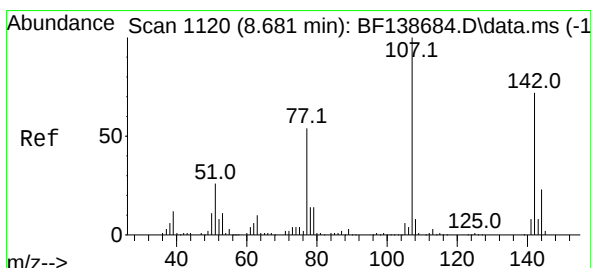
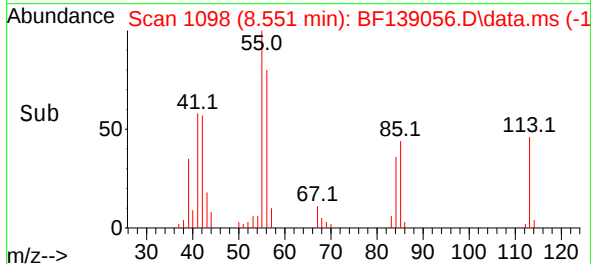
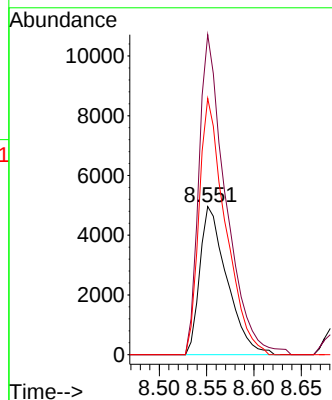
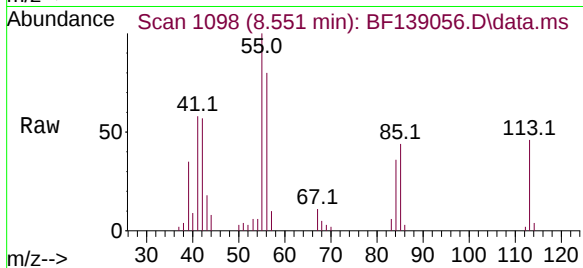
Tgt Ion:113 Resp: 9873

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

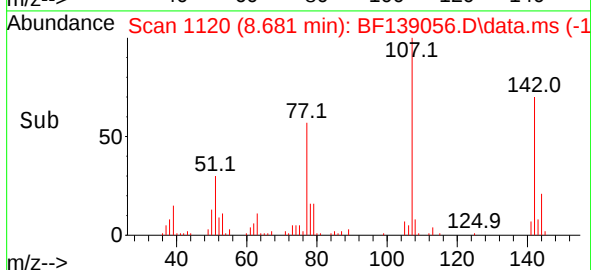
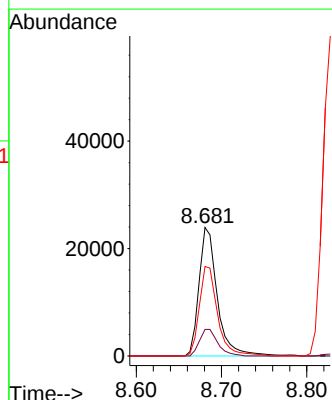
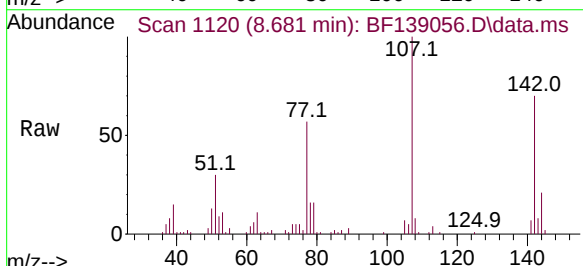
Tgt Ion:107 Resp: 35653

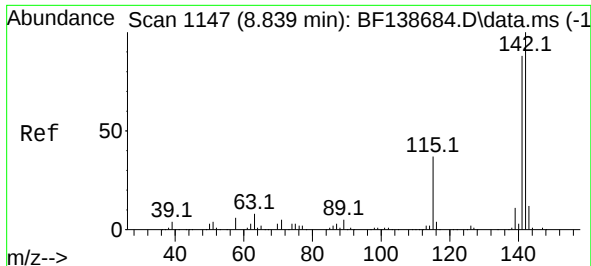
Ion Ratio Lower Upper

107 100

144 20.7 18.2 27.2

142 69.6 57.4 86.2

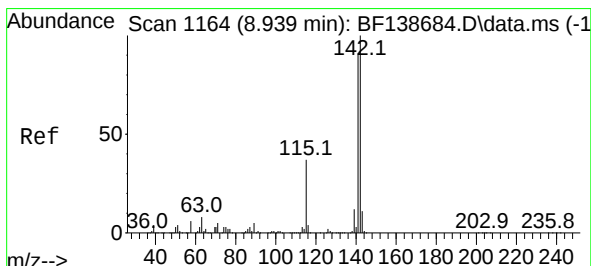
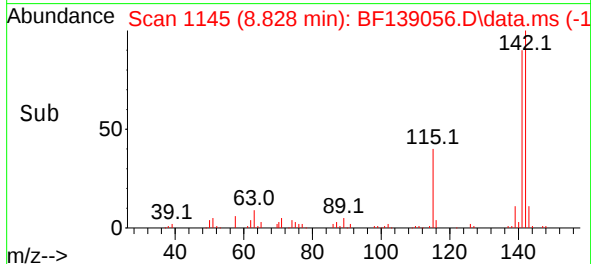
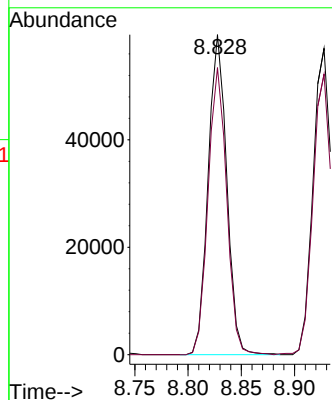
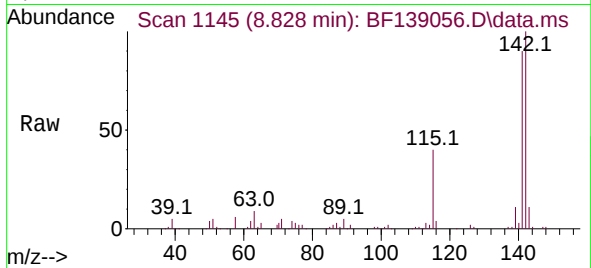




#37
2-Methylnaphthalene
Concen: 11.195 ng
RT: 8.828 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

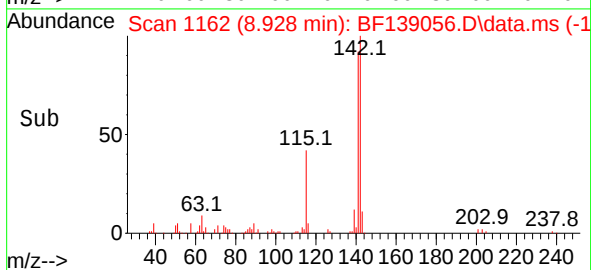
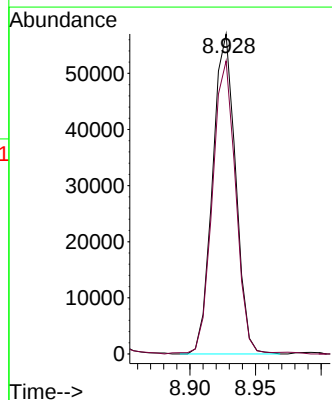
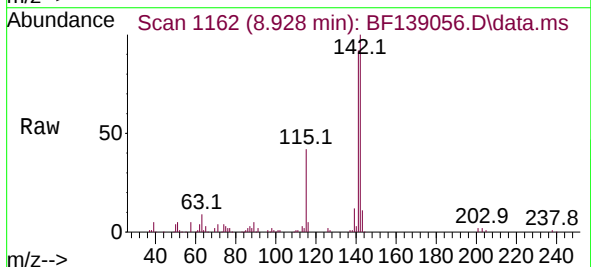
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

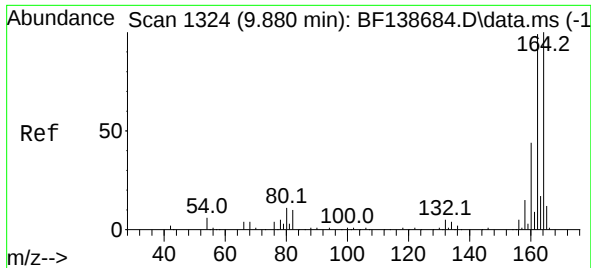
Tgt Ion:142 Resp: 72493
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2



#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# 1114

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

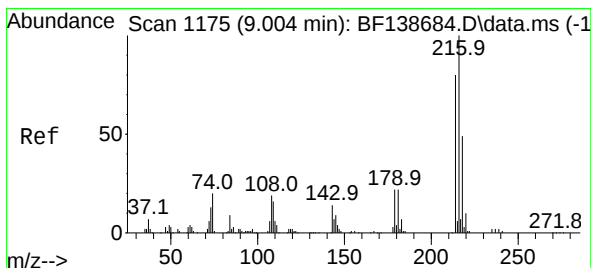
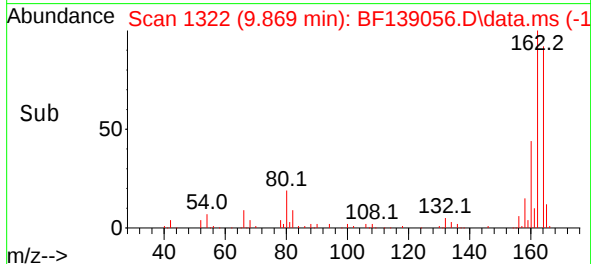
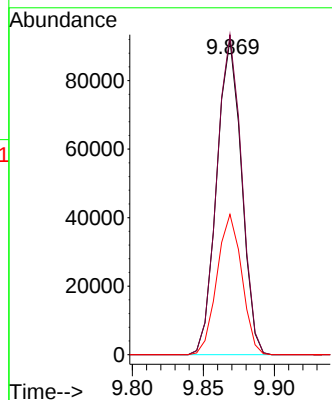
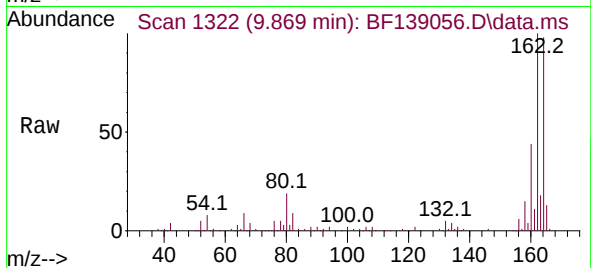
Tgt Ion:164 Resp: 111416

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

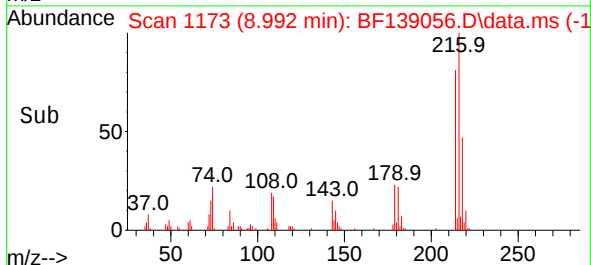
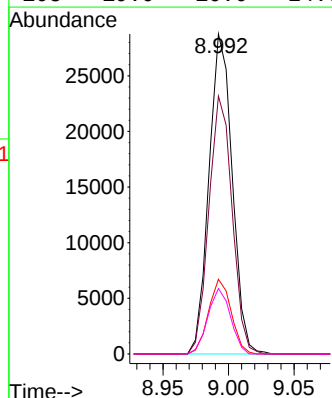
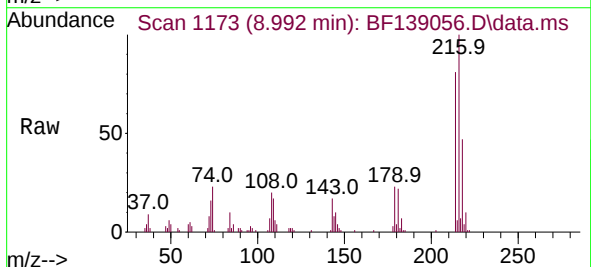
Ion Ratio Lower Upper

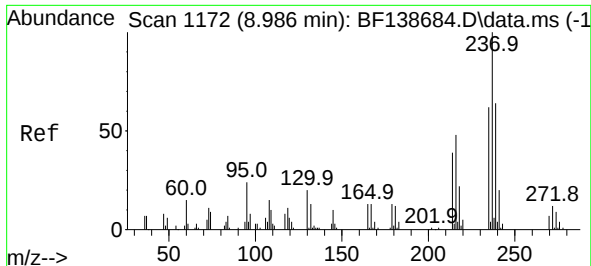
216 100

214 80.3 63.9 95.9

179 22.7 17.8 26.6

108 19.9 16.0 24.0

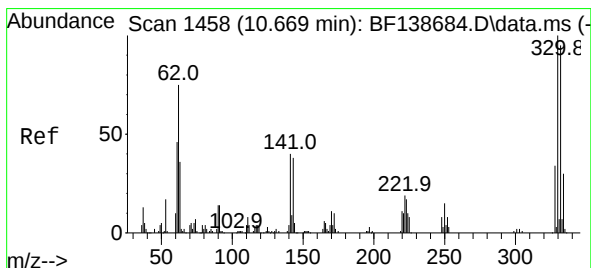
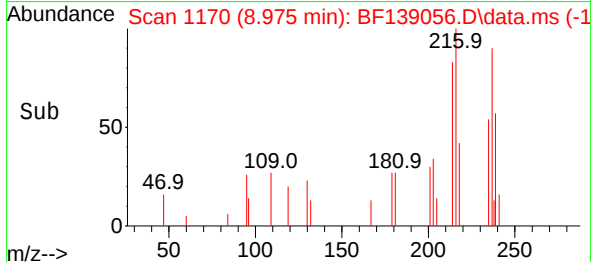
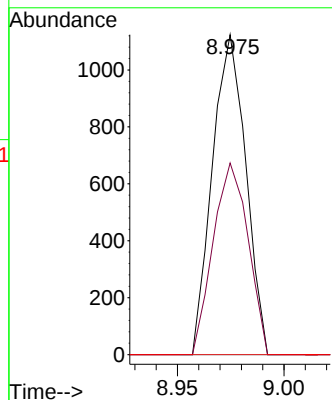
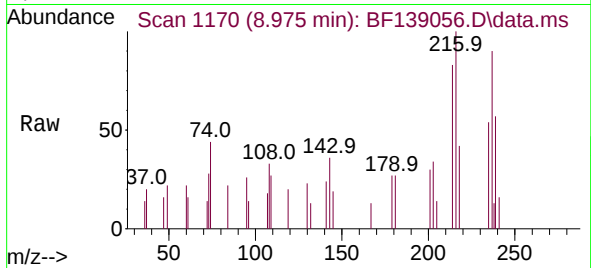




#41
Hexachlorocyclopentadiene
Concen: 8.330 ng
RT: 8.975 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

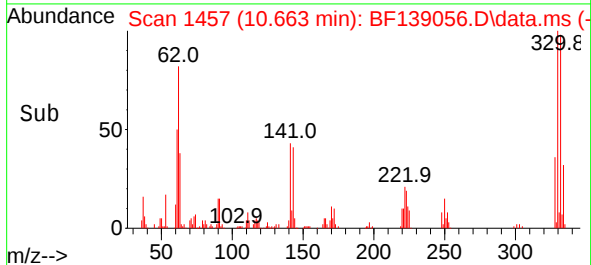
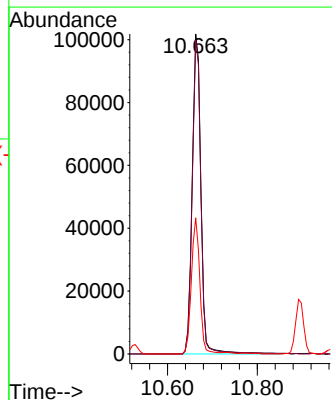
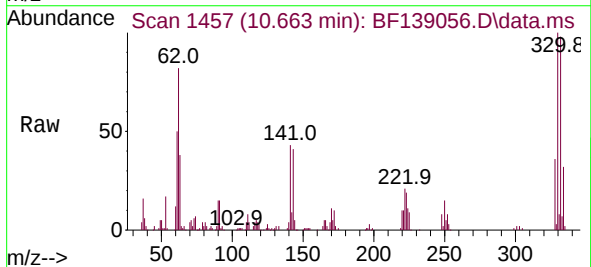
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

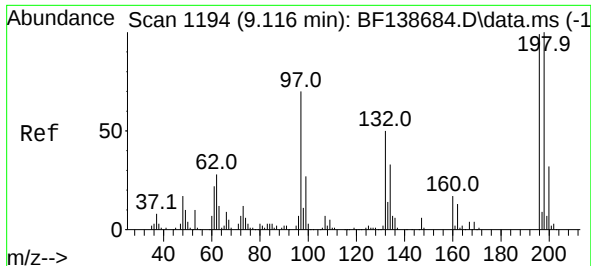
Tgt Ion:237	Resp:	1224
Ion Ratio	Lower	Upper
237	100	
235	59.9	41.8 81.8
272	0.0	0.0 32.2



#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

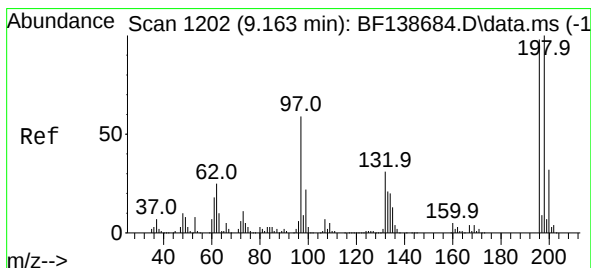
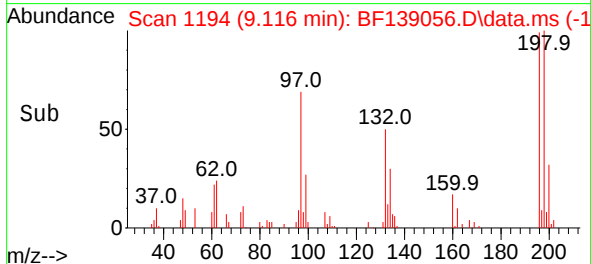
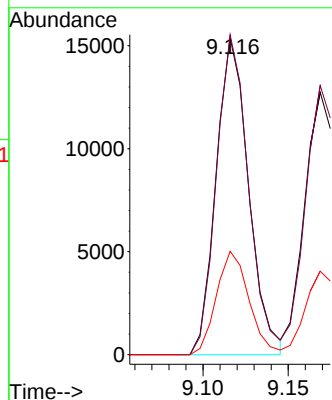
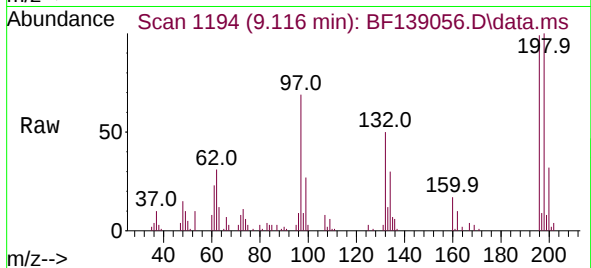
Tgt Ion:196 Resp: 20405

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

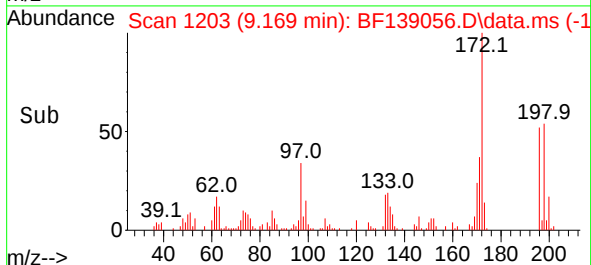
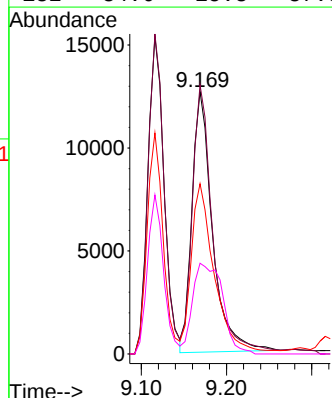
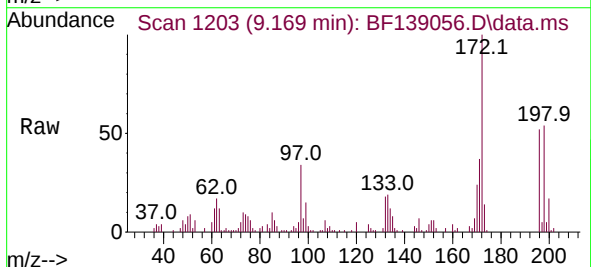
Ion Ratio Lower Upper

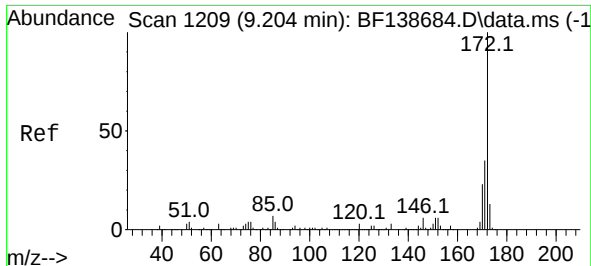
196 100

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

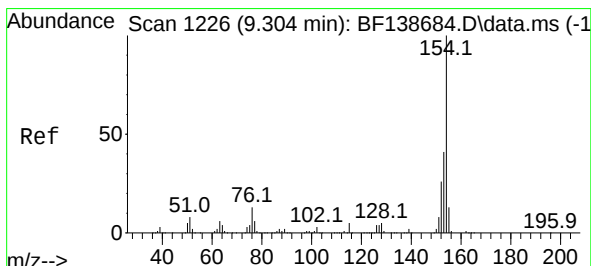
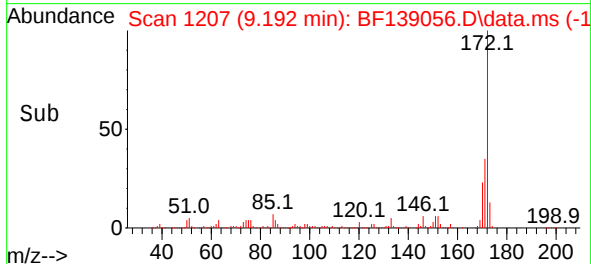
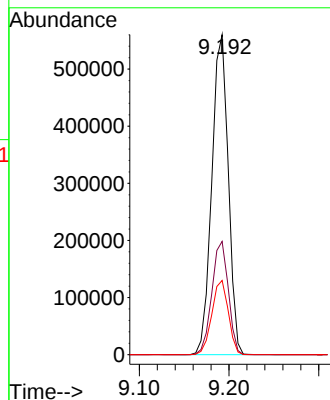
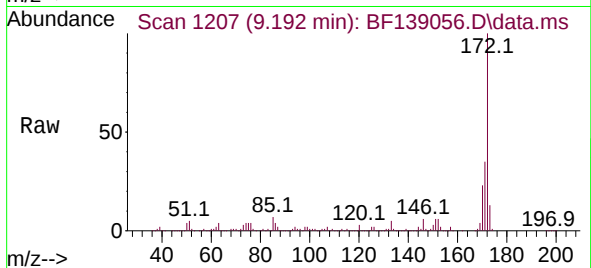
Tgt Ion:172 Resp: 712833

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

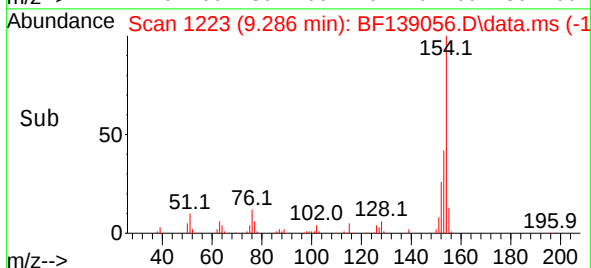
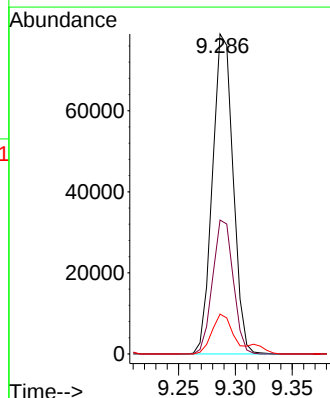
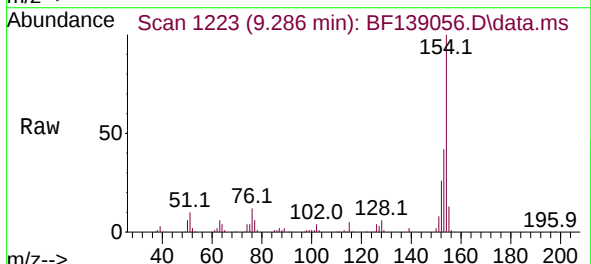
Tgt Ion:154 Resp: 99838

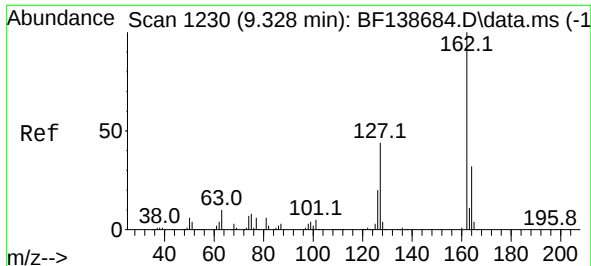
Ion Ratio Lower Upper

154 100

153 41.8 20.8 60.8

76 12.4 0.0 32.8

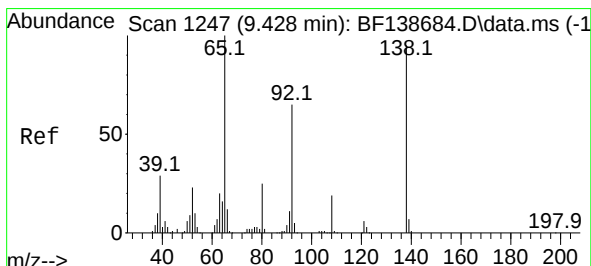
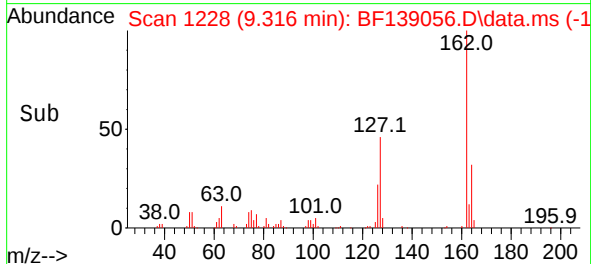
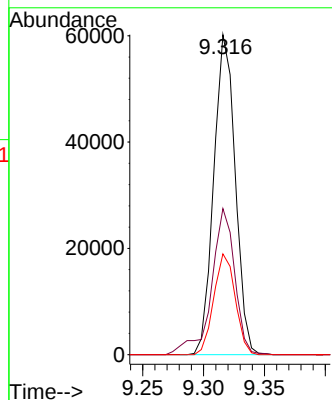
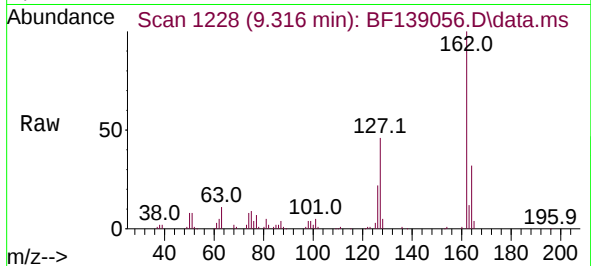




#47
2-Chloronaphthalene
Concen: 11.382 ng
RT: 9.316 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

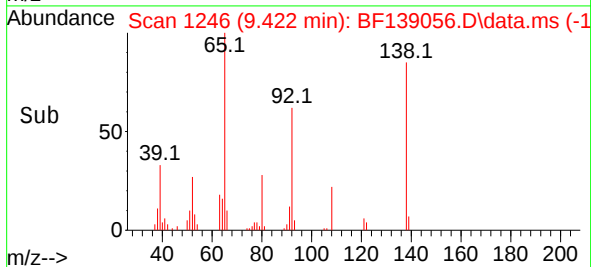
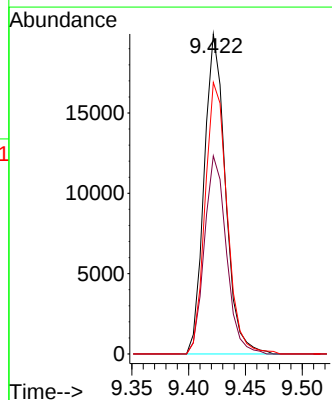
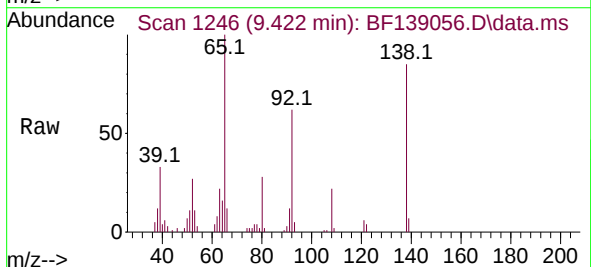
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

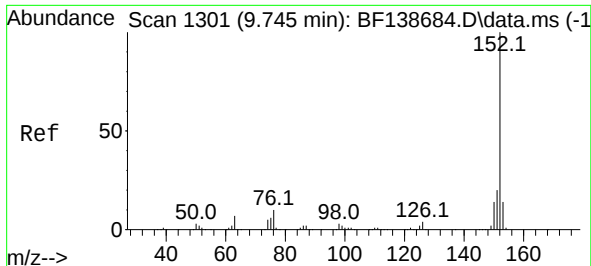
Tgt Ion:162 Resp: 73865
Ion Ratio Lower Upper
162 100
127 45.6 35.4 53.2
164 31.5 25.6 38.4



#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

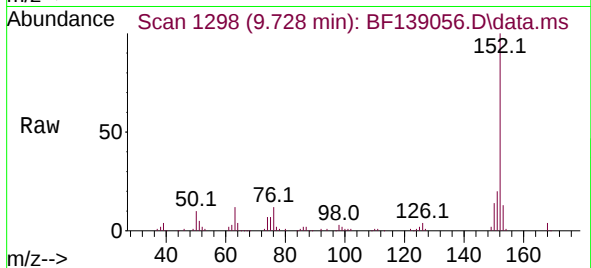
Acq: 16 Aug 2024 14:24

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



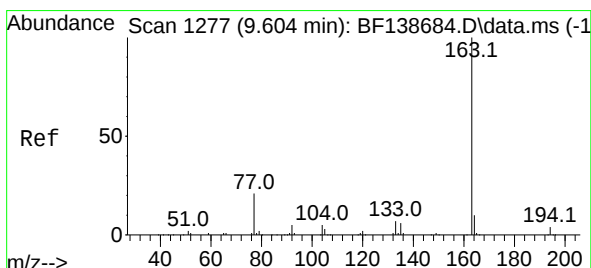
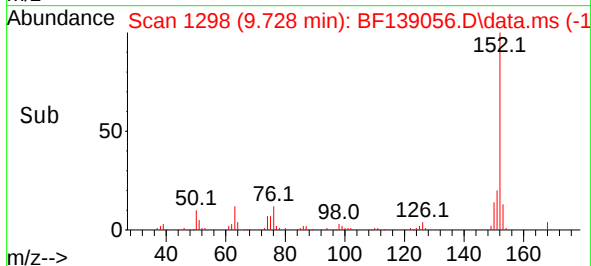
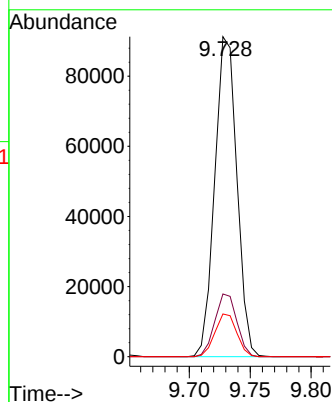
Tgt Ion:152 Resp: 115485

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

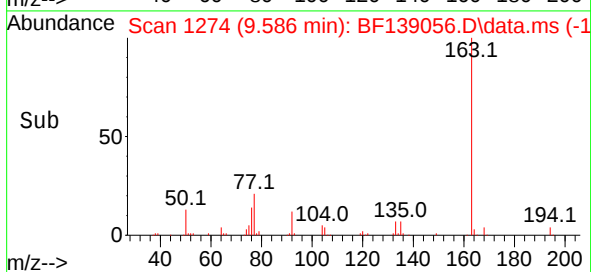
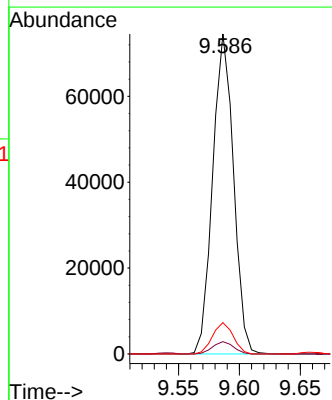
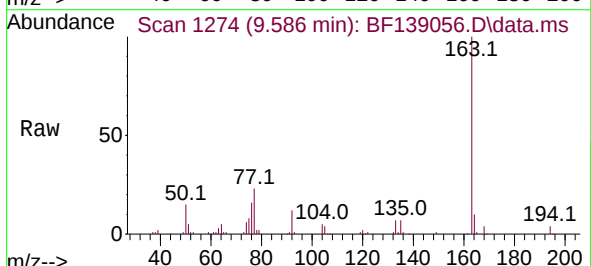
Tgt Ion:163 Resp: 88514

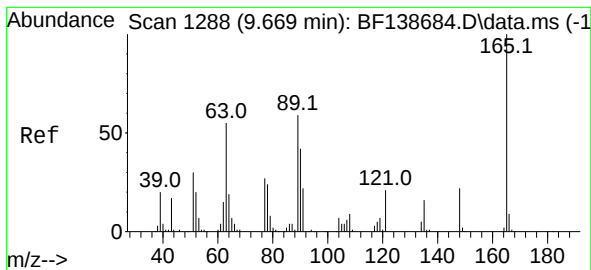
Ion Ratio Lower Upper

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

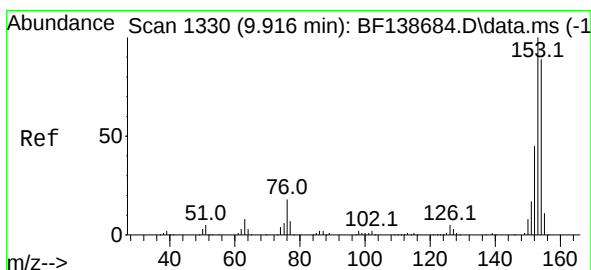
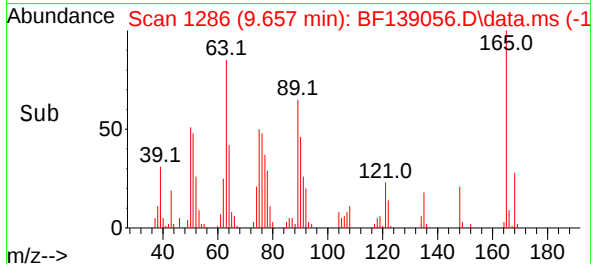
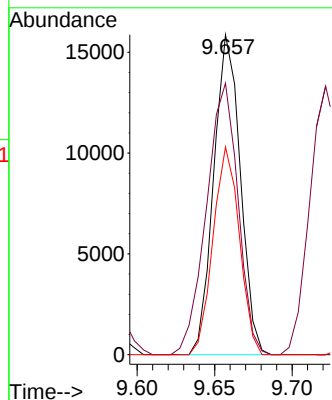
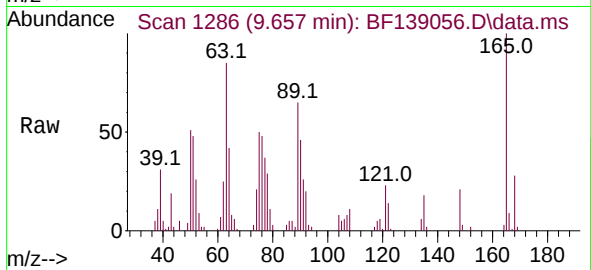
Tgt Ion:165 Resp: 18936

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

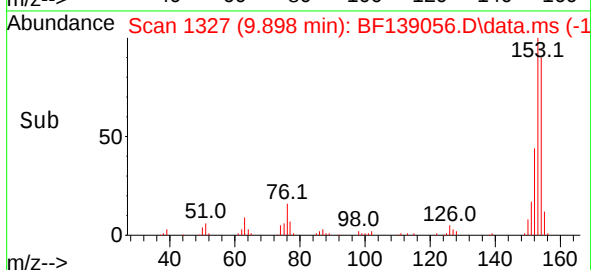
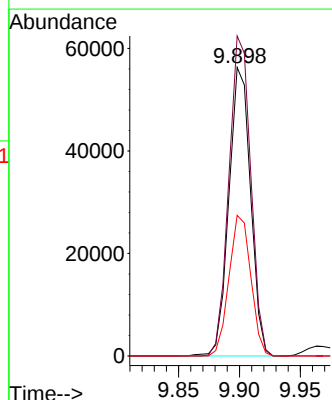
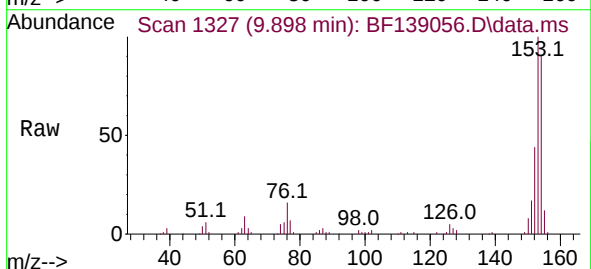
Tgt Ion:154 Resp: 69785

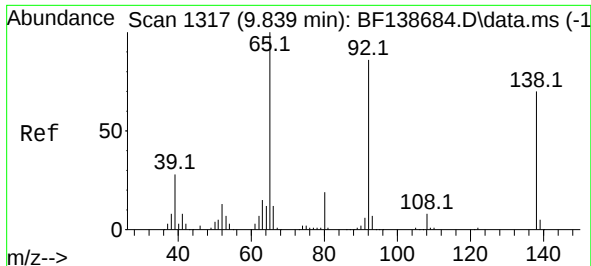
Ion Ratio Lower Upper

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# 1317

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

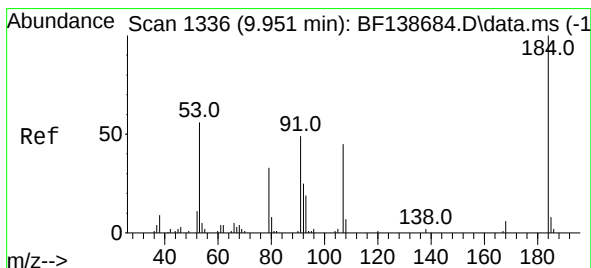
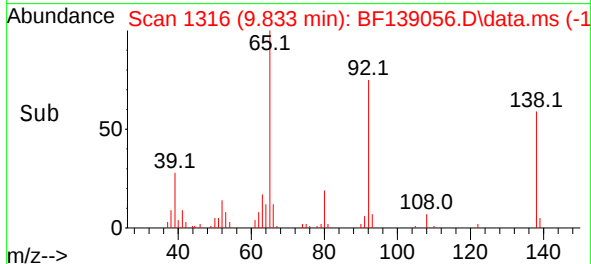
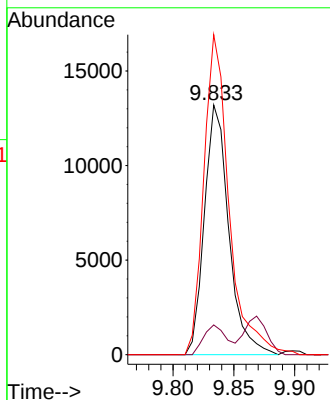
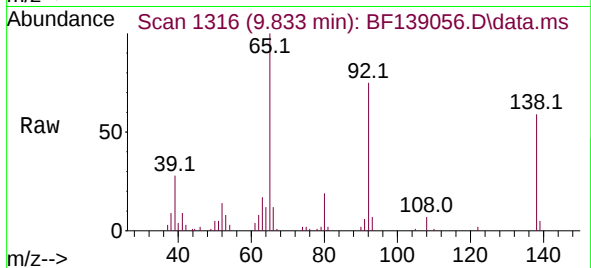
Tgt Ion:138 Resp: 18421

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

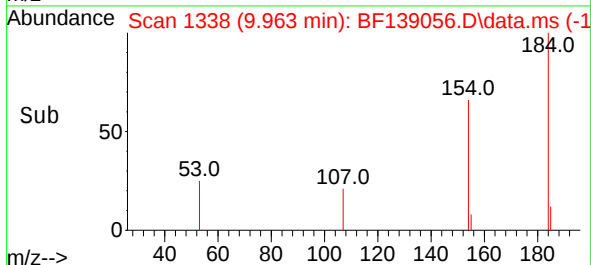
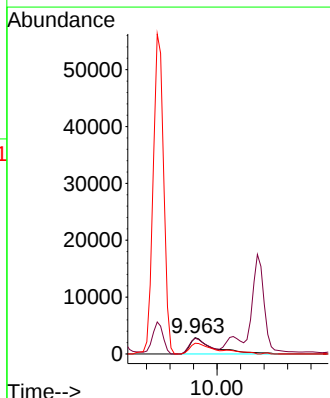
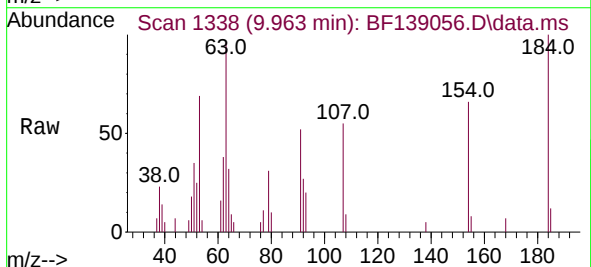
Tgt Ion:184 Resp: 8000

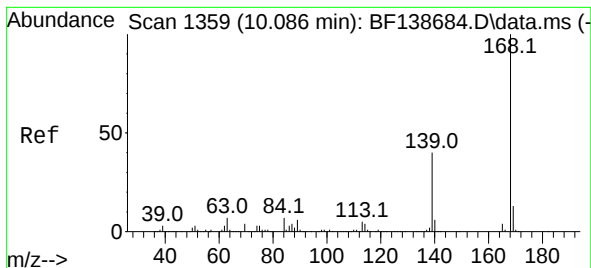
Ion Ratio Lower Upper

184 100

63 96.4 57.5 86.3#

154 66.0 51.7 77.5





#55

Dibenzenofuran

Concen: 12.248 ng

RT: 10.075 min Scan# 1359

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

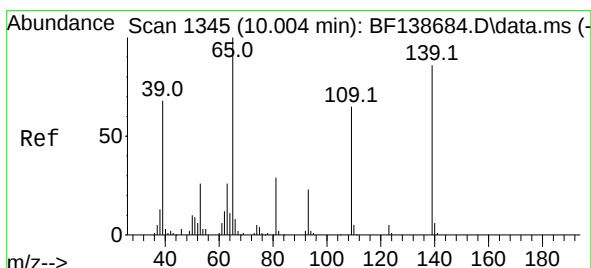
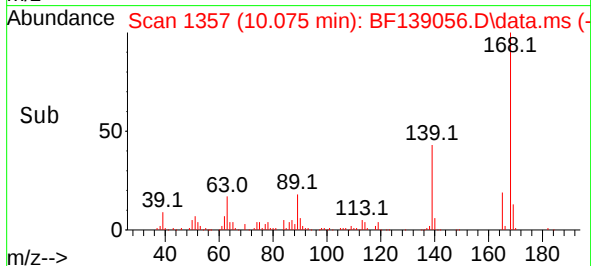
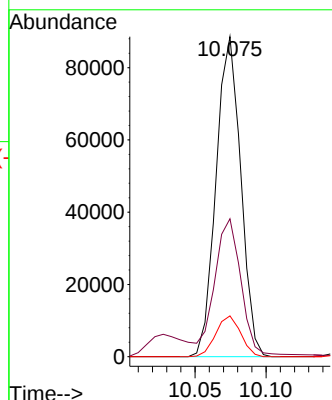
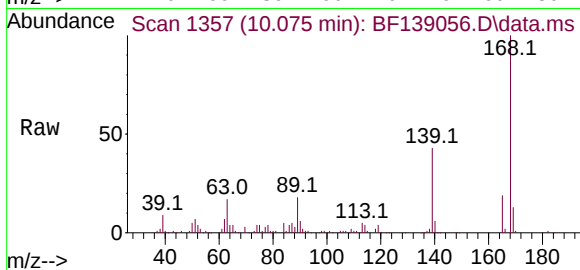
Tgt Ion:168 Resp: 106972

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

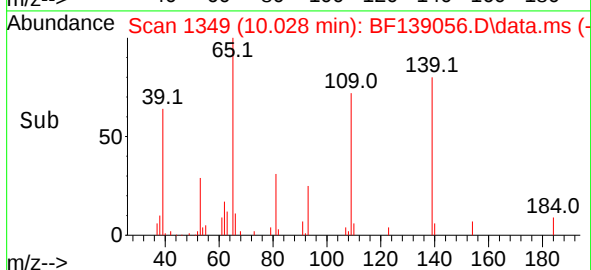
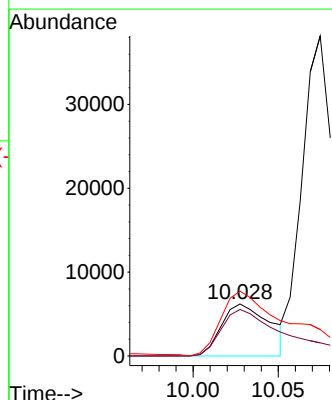
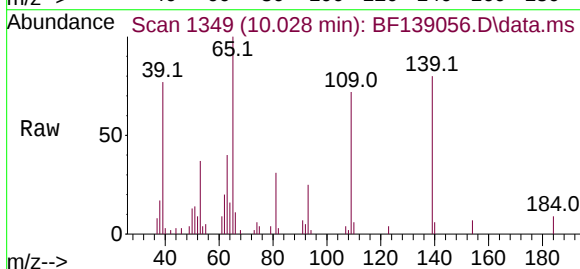
Tgt Ion:139 Resp: 12104

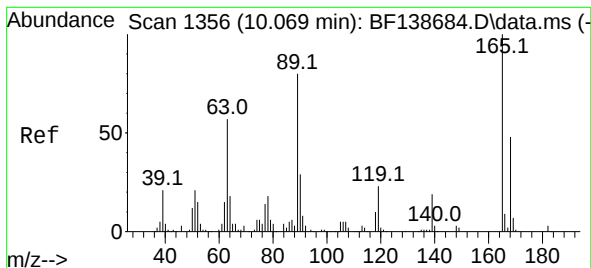
Ion Ratio Lower Upper

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# 1415

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

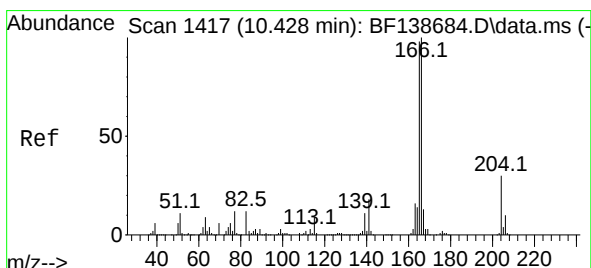
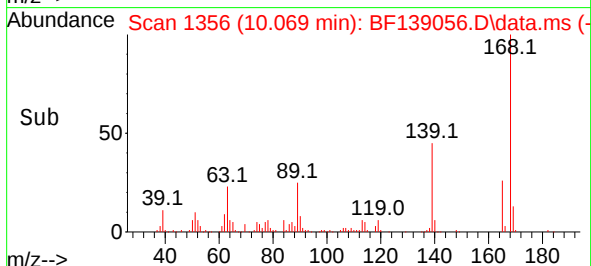
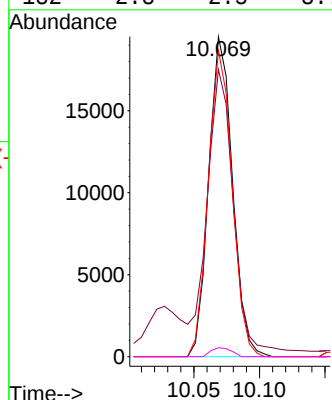
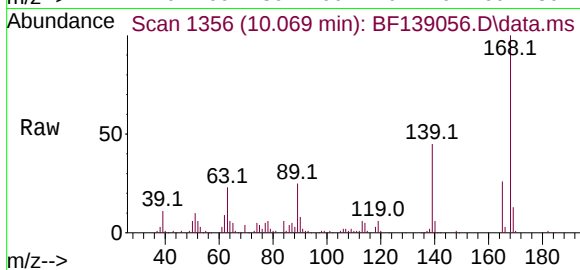
Ion Ratio Lower Upper

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

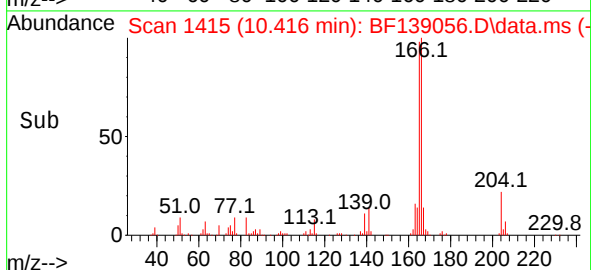
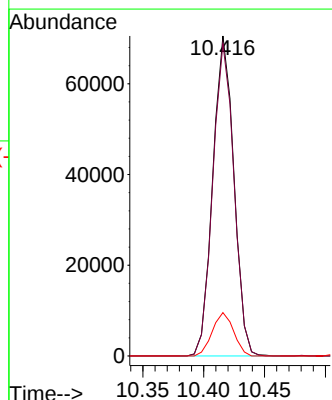
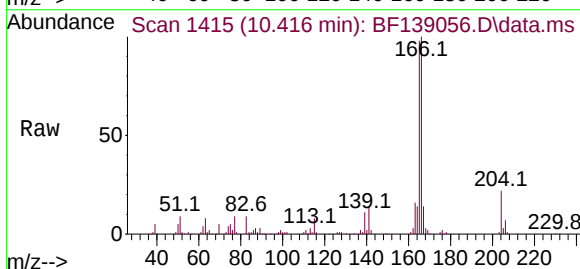
Tgt Ion:166 Resp: 85067

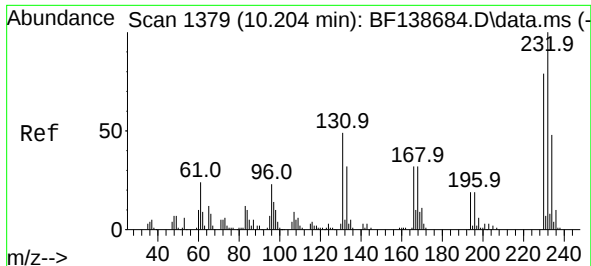
Ion Ratio Lower Upper

166 100

165 97.6 78.4 117.6

167 13.5 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.488 ng

RT: 10.204 min Scan# 1379

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: 16542

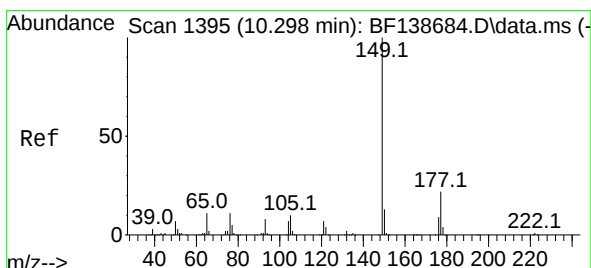
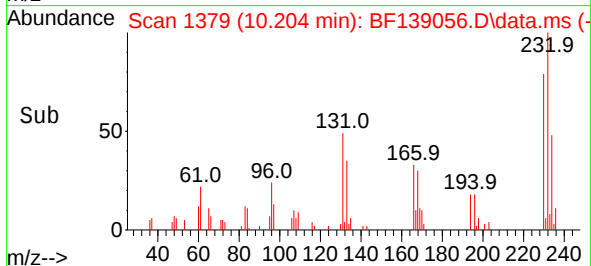
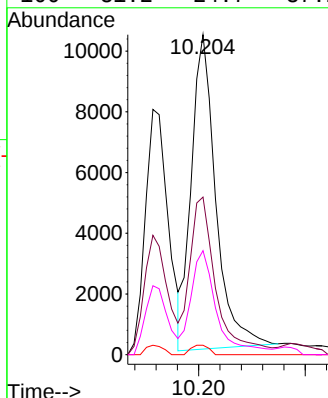
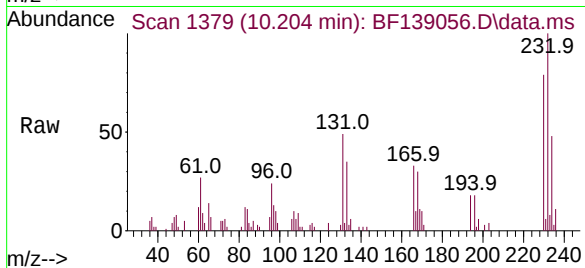
Ion Ratio Lower Upper

232 100

131 54.2 37.0 55.4

130 2.2 2.0 3.0

166 31.2 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

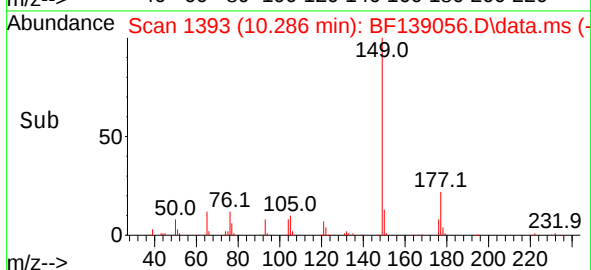
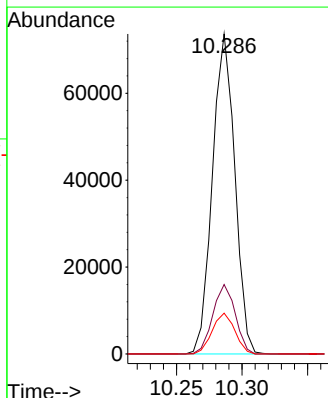
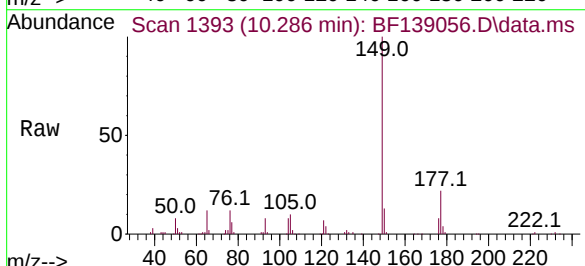
Tgt Ion:149 Resp: 87330

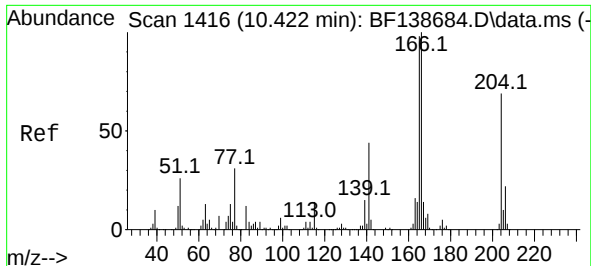
Ion Ratio Lower Upper

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

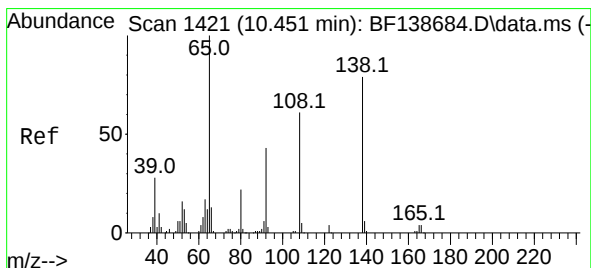
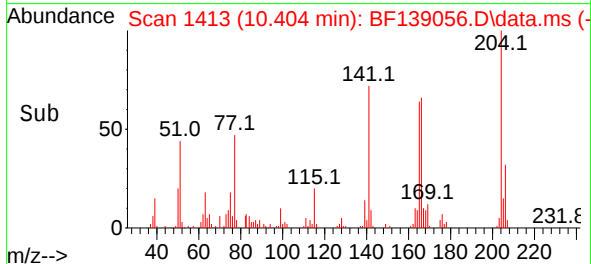
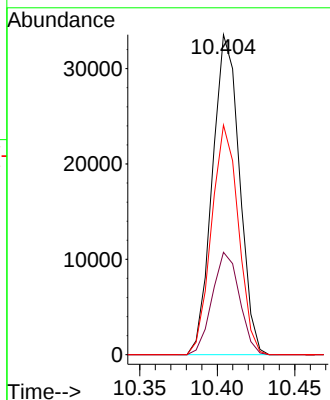
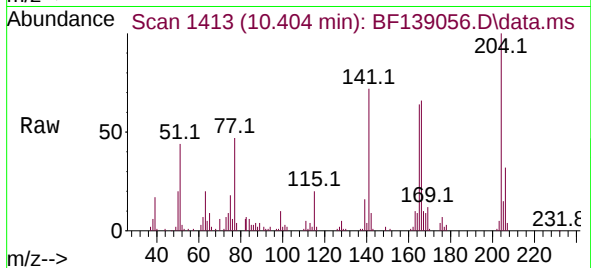
Tgt Ion:204 Resp: 40761

Ion Ratio Lower Upper

204 100

206 32.0 26.1 39.1

141 71.8 51.4 77.0



#62

4-Nitroaniline

Concen: 11.043 ng

RT: 10.445 min Scan# 1420

Delta R.T. -0.006 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

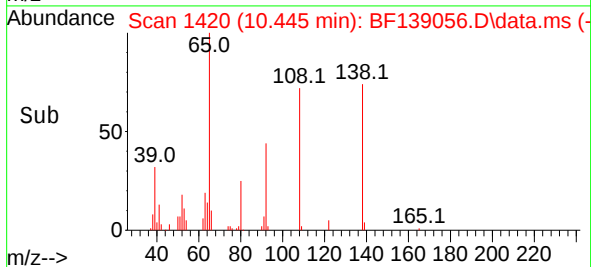
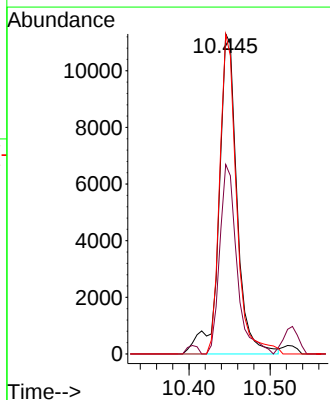
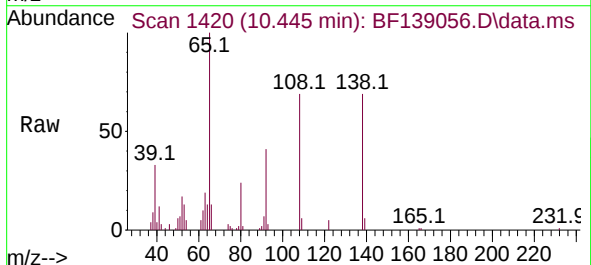
Tgt Ion:138 Resp: 17443

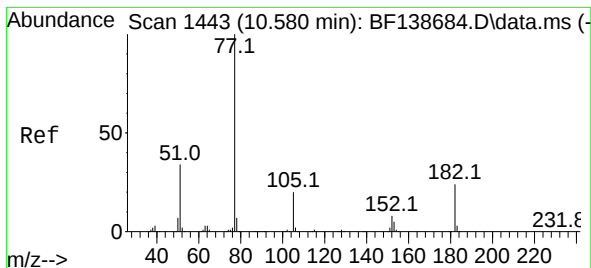
Ion Ratio Lower Upper

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

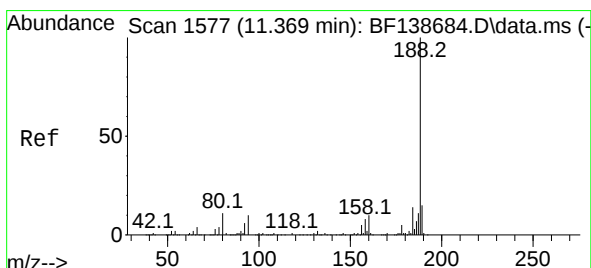
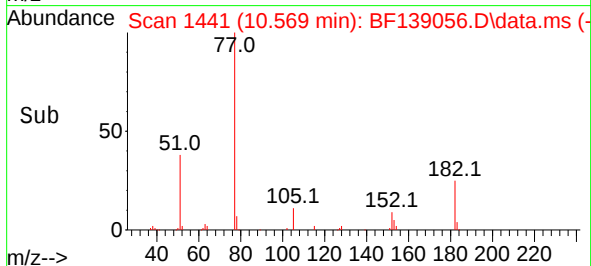
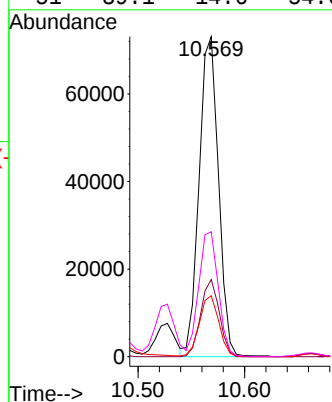
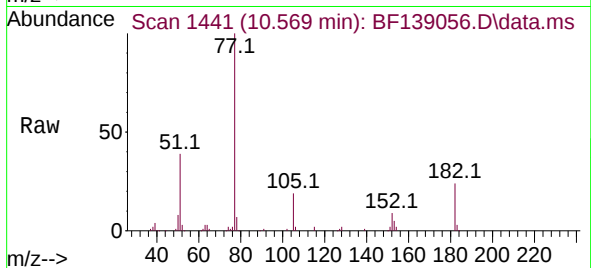
Ion Ratio Lower Upper

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

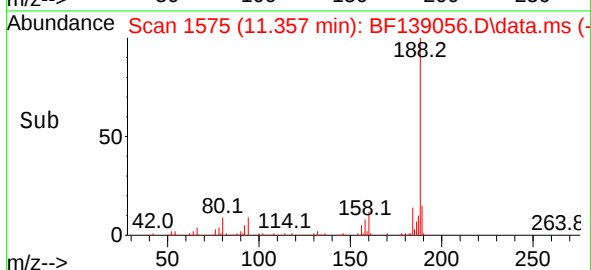
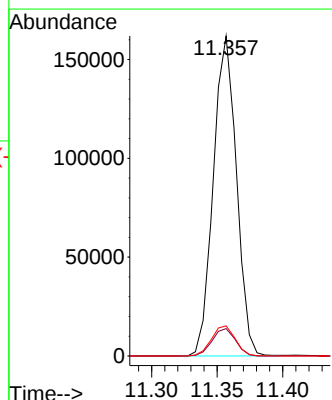
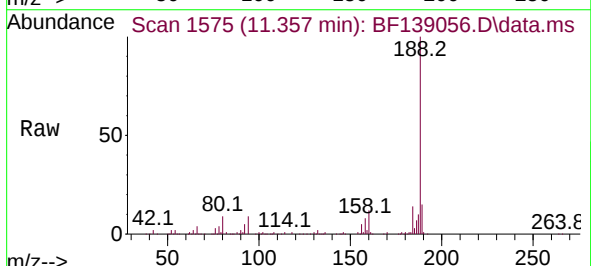
Tgt Ion:188 Resp: 198370

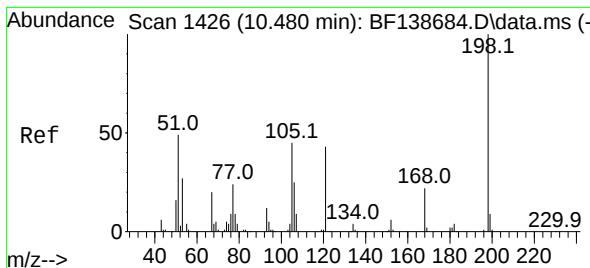
Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.4 8.6 12.8

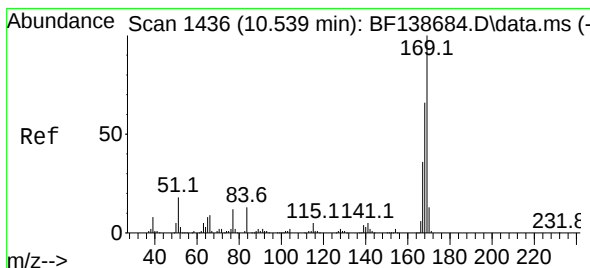
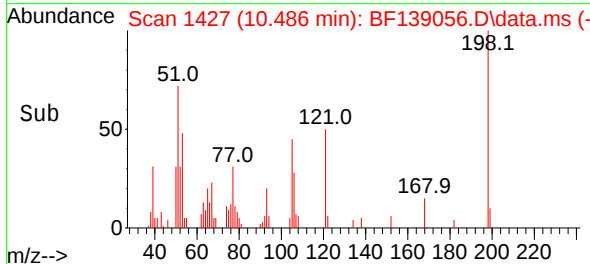
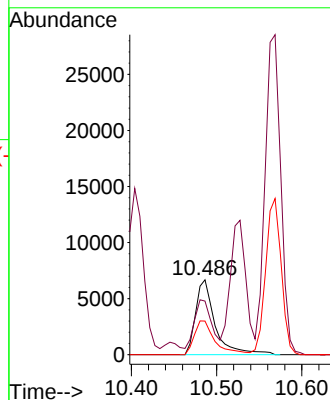
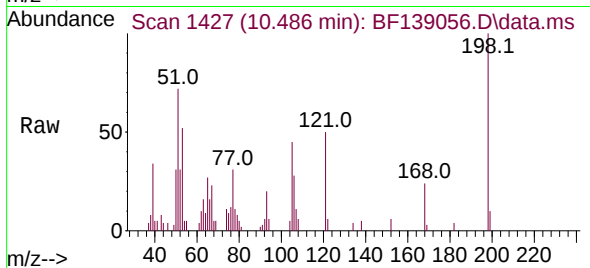




#65
4,6-Dinitro-2-methylphenol
Concen: 8.770 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

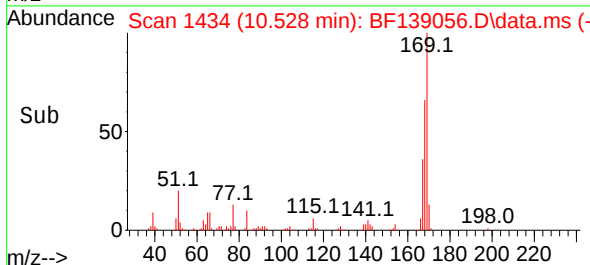
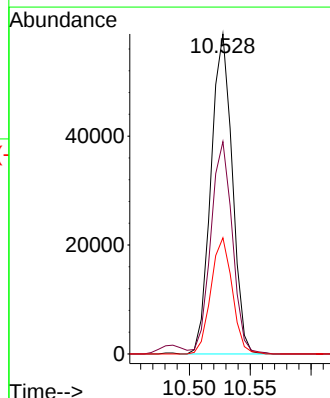
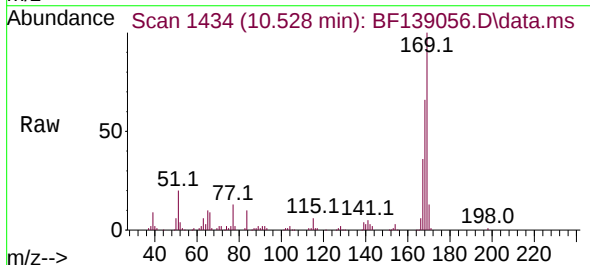
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

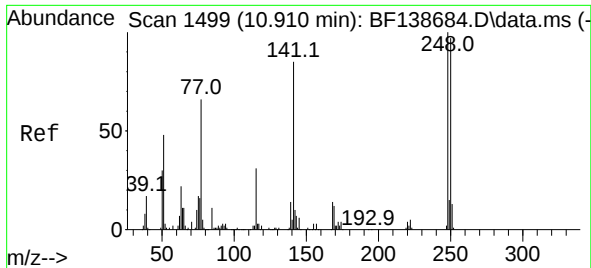
Tgt Ion:198 Resp: 10614
Ion Ratio Lower Upper
198 100
51 71.6 39.9 79.9
105 44.8 26.1 66.1



#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

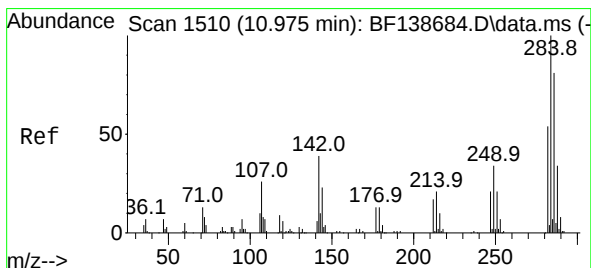
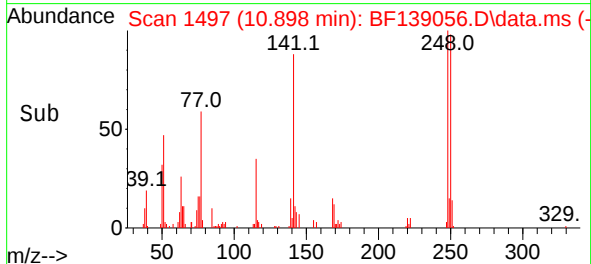
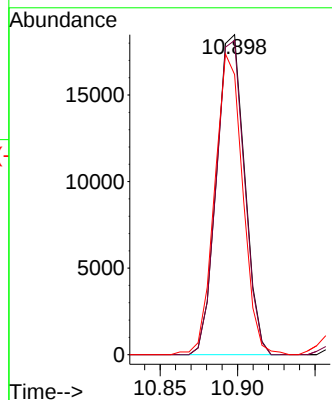
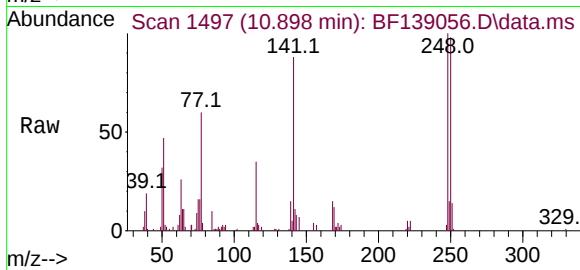




#67
4-Bromophenyl-phenylether
Concen: 10.853 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

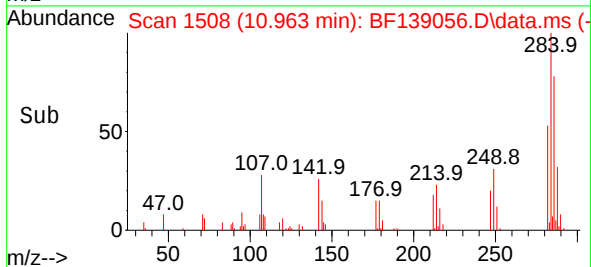
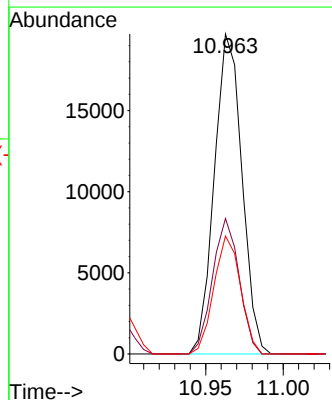
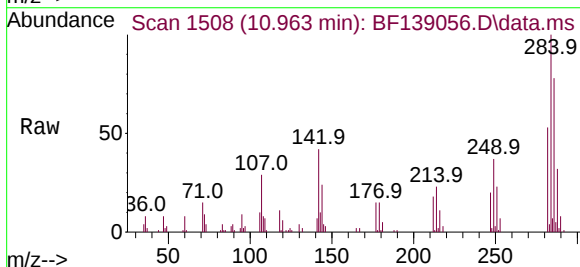
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

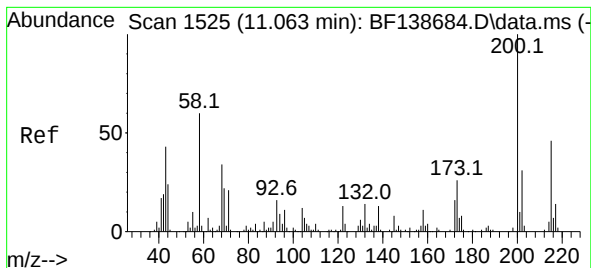
Tgt Ion:248	Resp:	23310
Ion Ratio	Lower	Upper
248	100	
250	98.2	77.7 116.5
141	87.6	68.0 102.0



#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# 1523

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

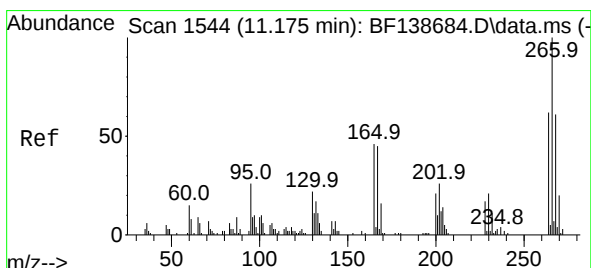
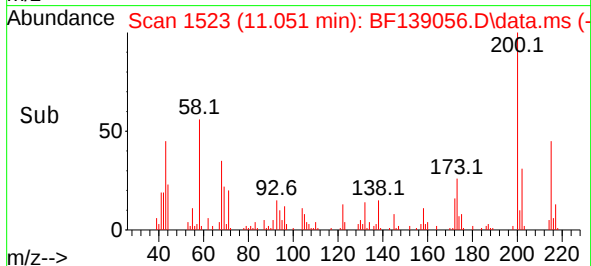
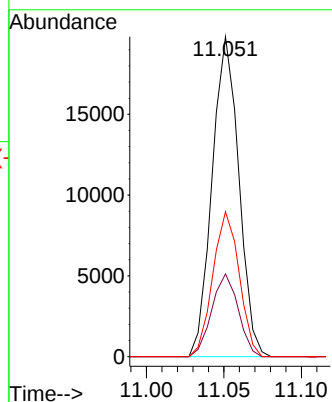
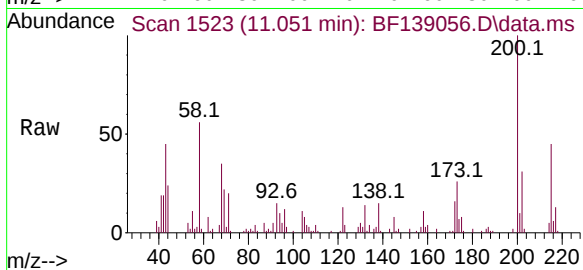
Tgt Ion:200 Resp: 23685

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

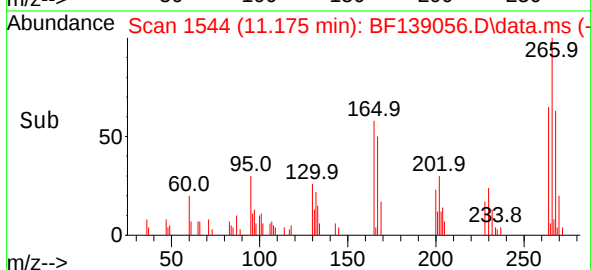
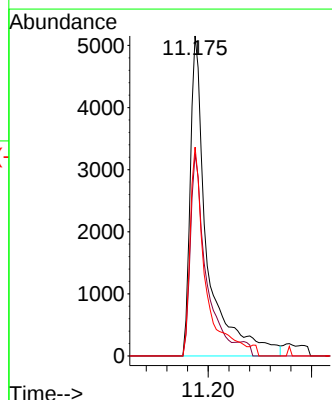
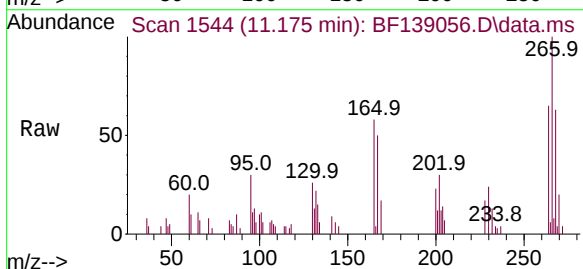
Tgt Ion:266 Resp: 11744

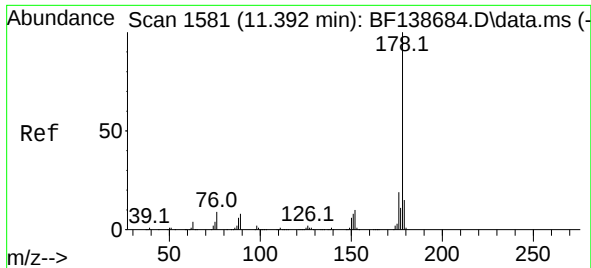
Ion Ratio Lower Upper

266 100

268 63.2 49.2 73.8

264 65.3 49.8 74.6

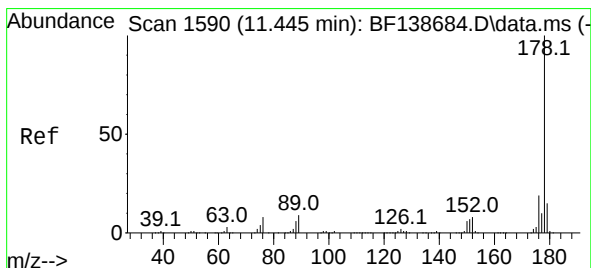
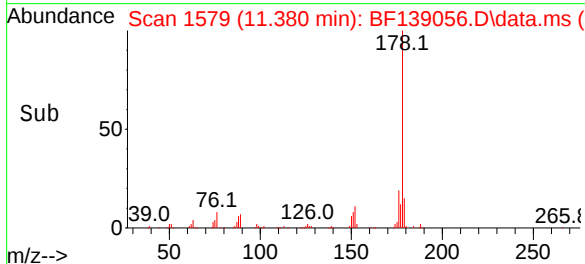
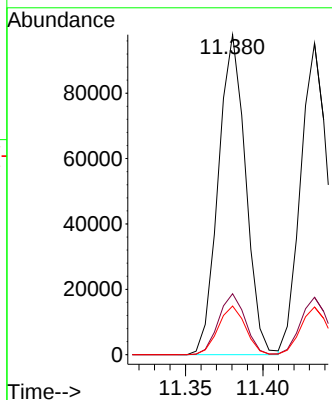
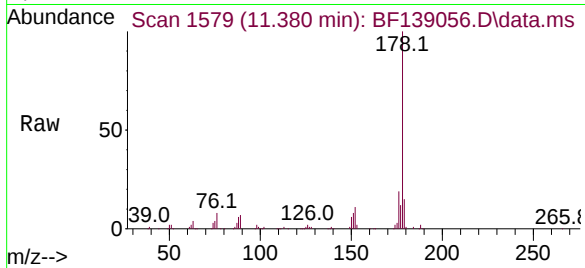




#71
Phenanthrene
Concen: 11.734 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

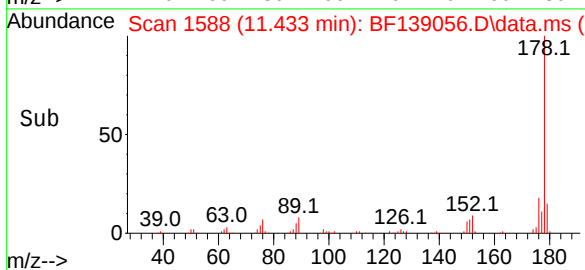
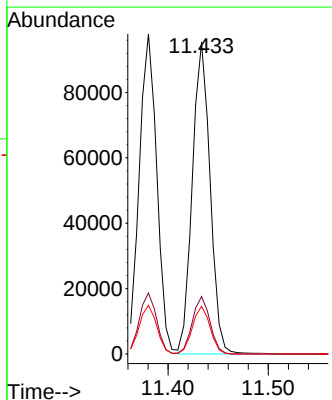
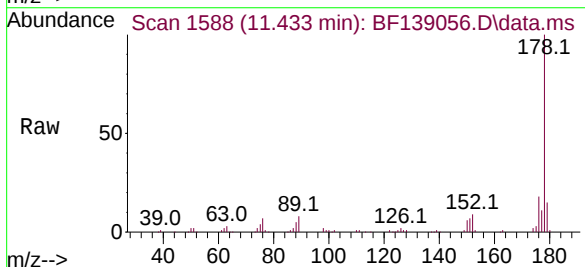
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

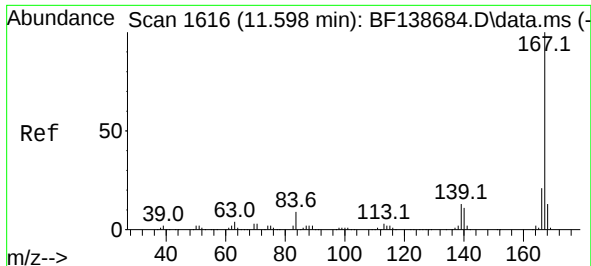
Tgt Ion:178 Resp: 119860
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.2 12.2 18.2



#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

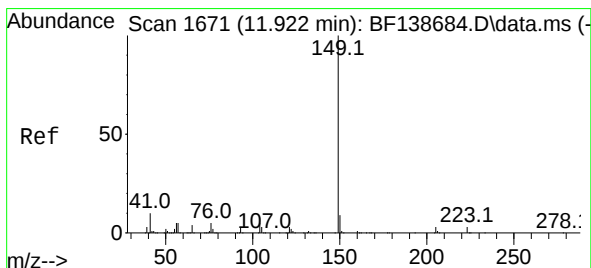
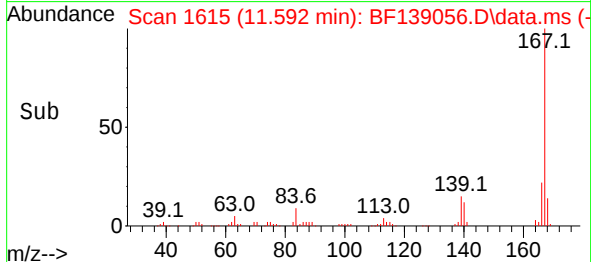
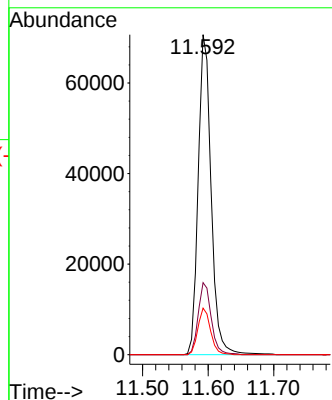
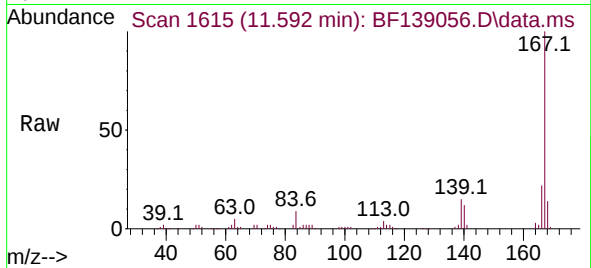




#73
 Carbazole
 Concen: 11.185 ng
 RT: 11.592 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF139056.D
 Acq: 16 Aug 2024 14:24

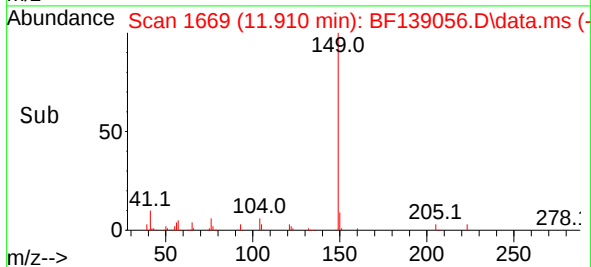
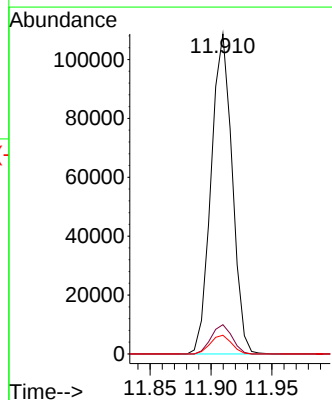
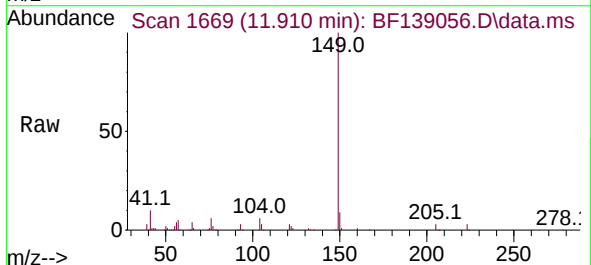
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

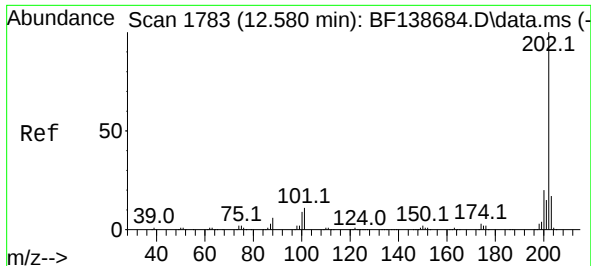
Tgt Ion:167 Resp: 97105
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.2 25.8
 139 14.6 10.6 16.0



#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

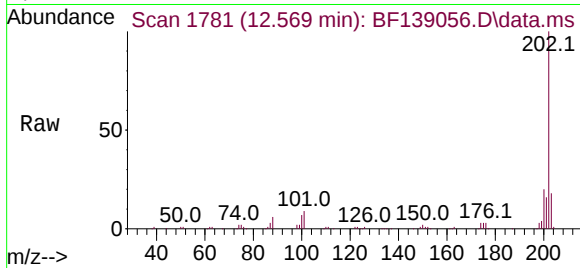
Tgt Ion:149 Resp: 130748
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.8 4.1 6.1



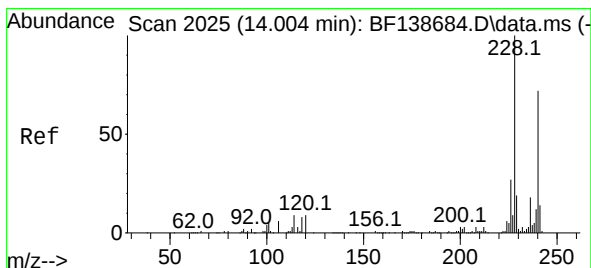
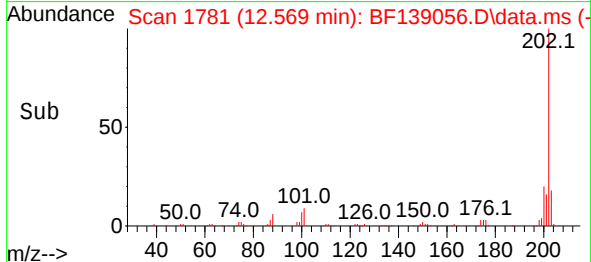
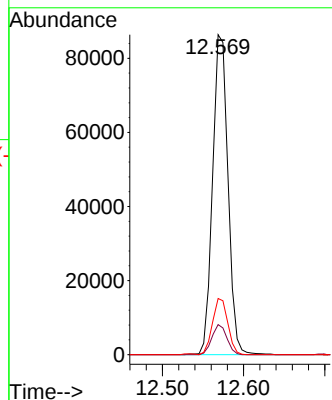


#75
Fluoranthene
Concen: 11.903 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

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

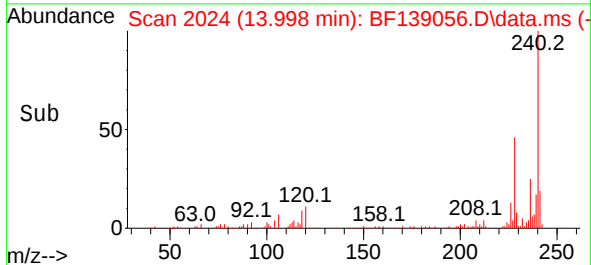
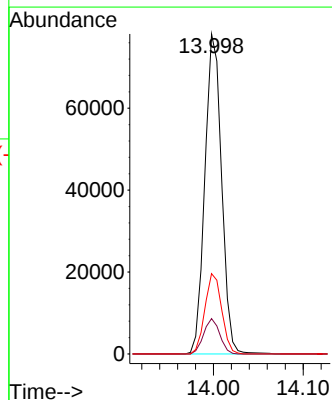
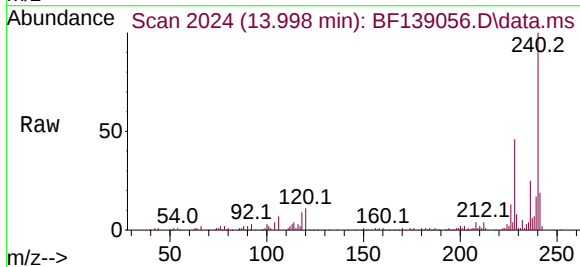


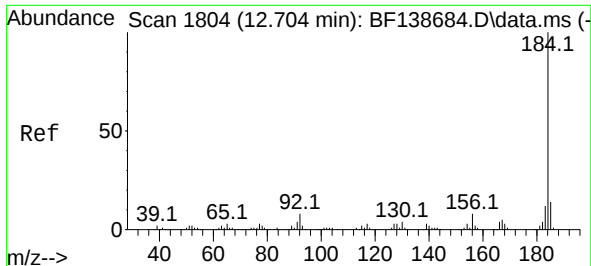
Tgt Ion:202 Resp: 113503
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.2
203 17.5 0.0 37.3



#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

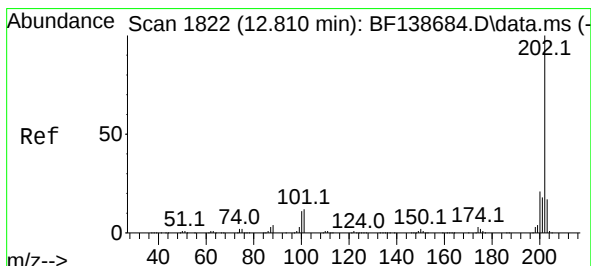
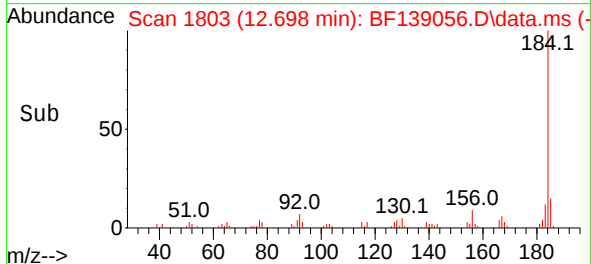
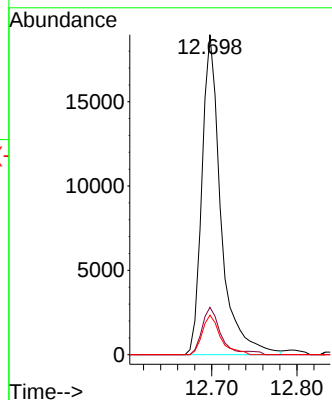
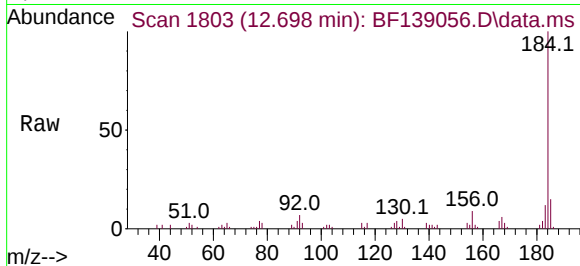
Tgt Ion:184 Resp: 29353

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

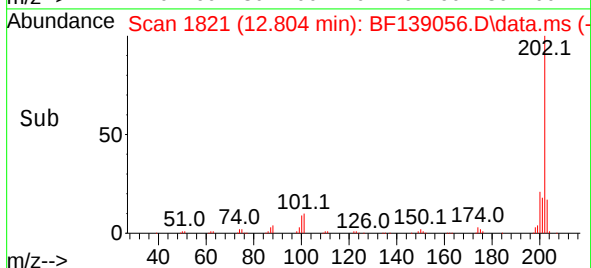
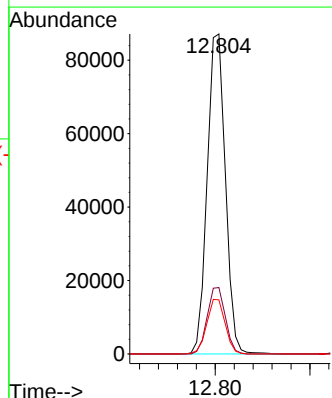
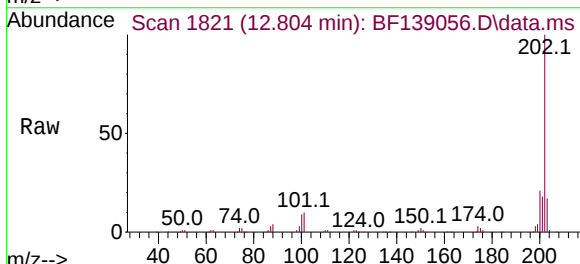
Tgt Ion:202 Resp: 116034

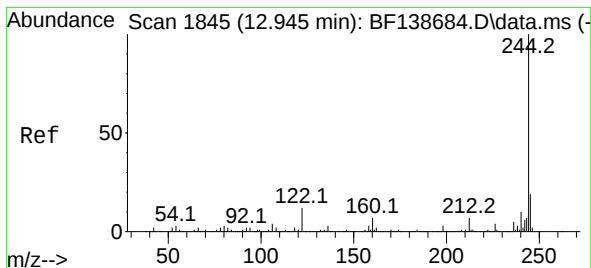
Ion Ratio Lower Upper

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

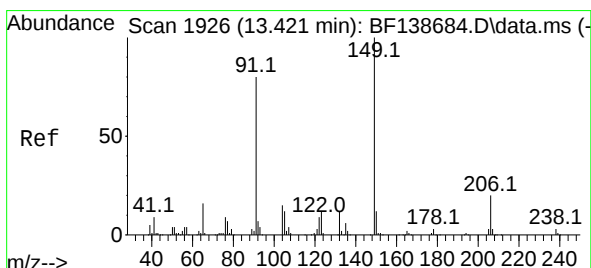
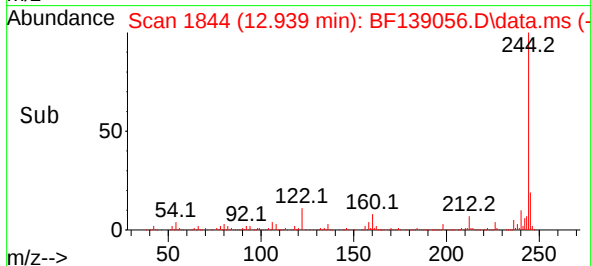
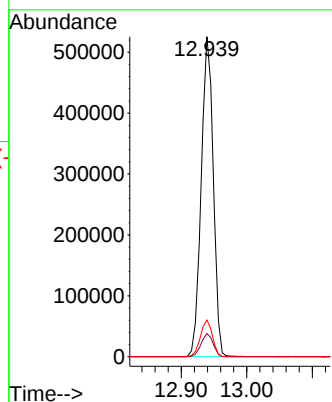
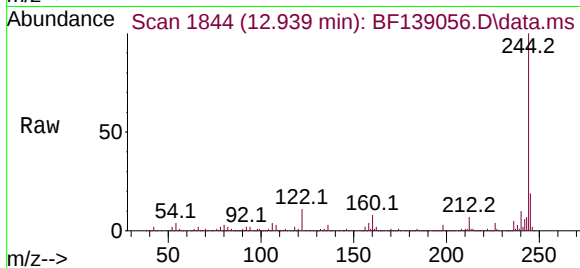
Tgt Ion:244 Resp: 674634

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

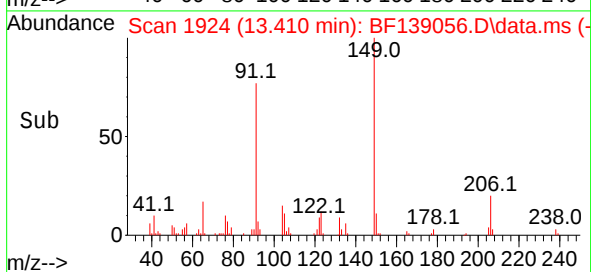
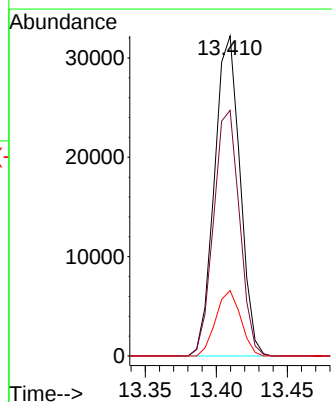
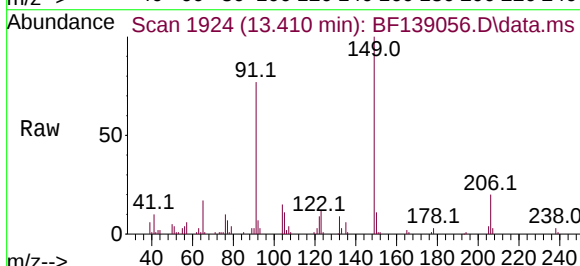
Tgt Ion:149 Resp: 40321

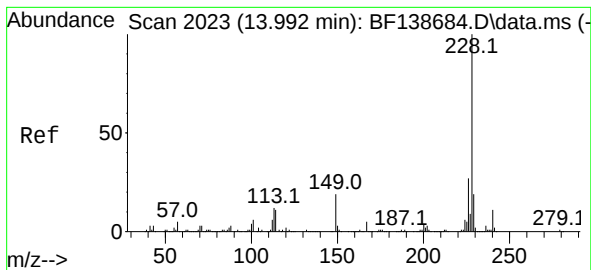
Ion Ratio Lower Upper

149 100

91 76.8 63.7 95.5

206 20.5 16.2 24.2

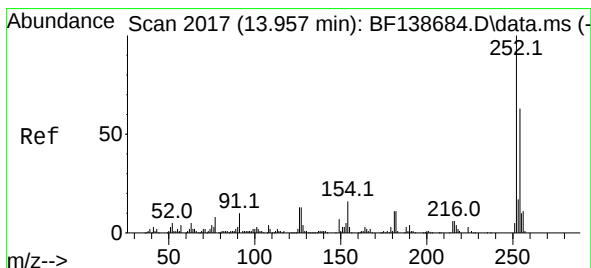
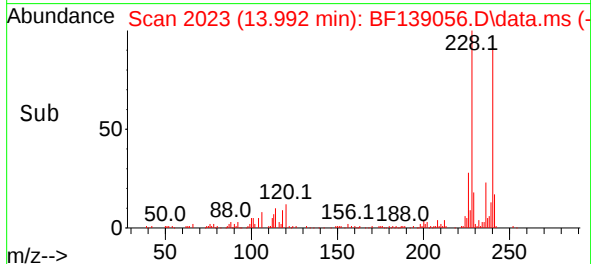
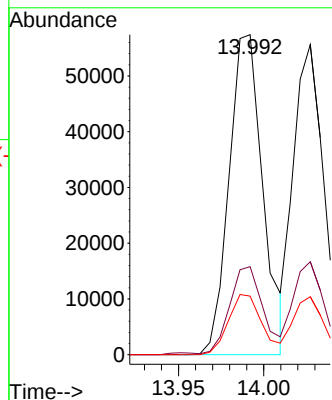
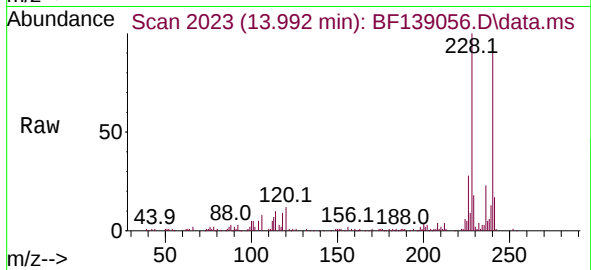




#81
Benzo(a)anthracene
Concen: 11.398 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF139056.D
Acq: 16 Aug 2024 14:24

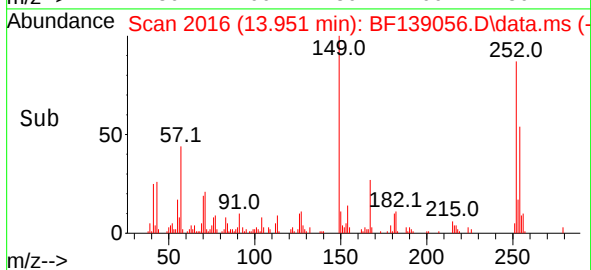
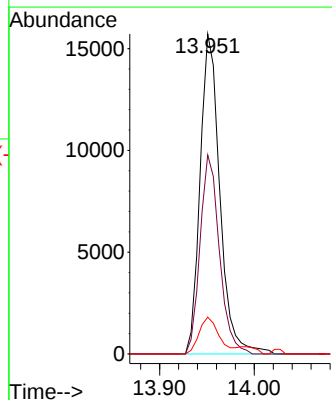
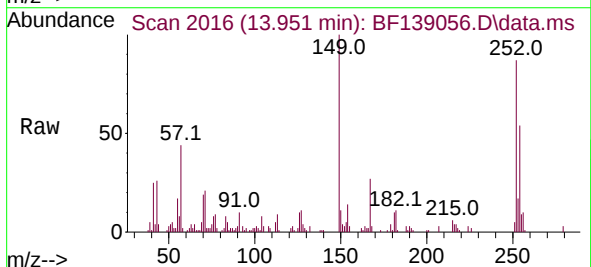
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2024

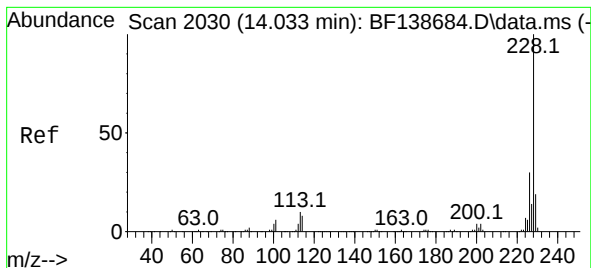
Tgt Ion:228 Resp: 79299
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 18.3 15.4 23.0



#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

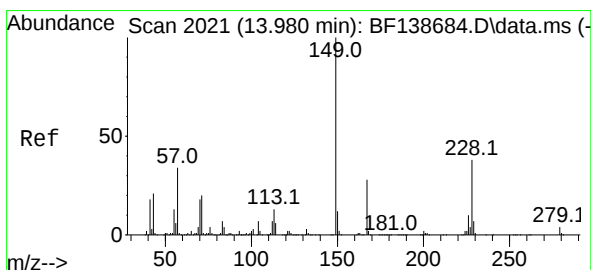
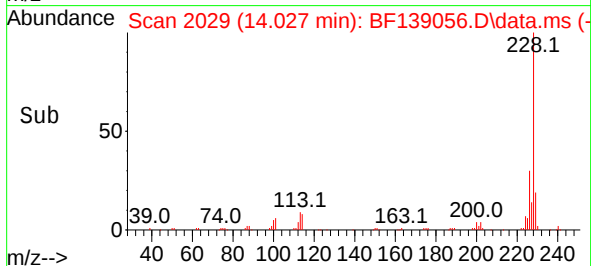
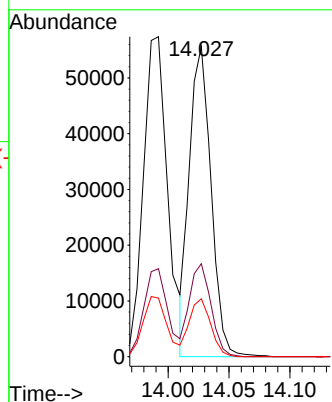
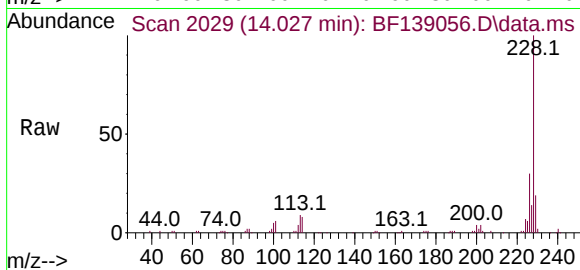
Tgt Ion:228 Resp: 69123

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

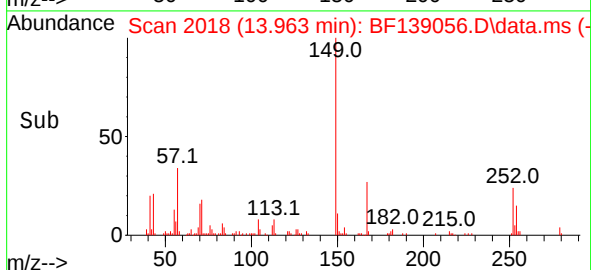
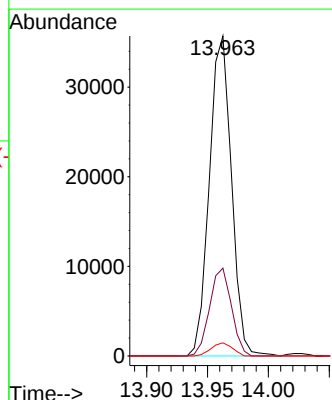
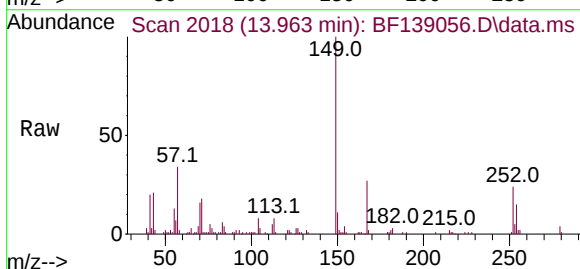
Tgt Ion:149 Resp: 45161

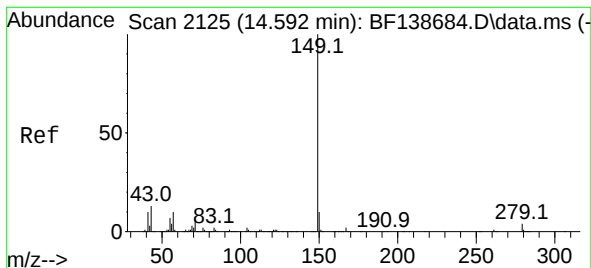
Ion Ratio Lower Upper

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# 2125

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

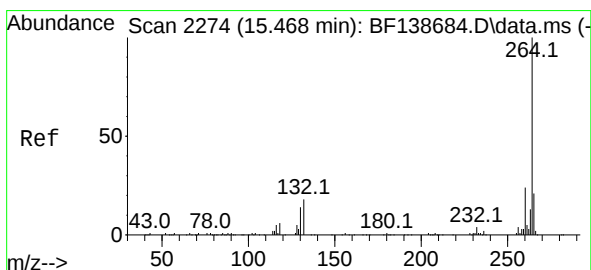
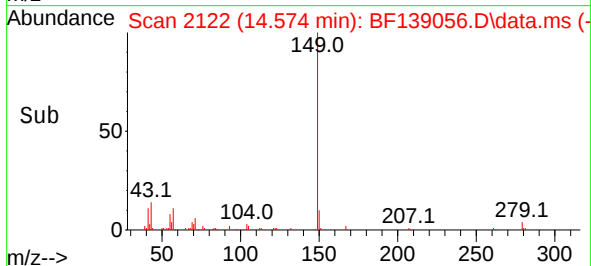
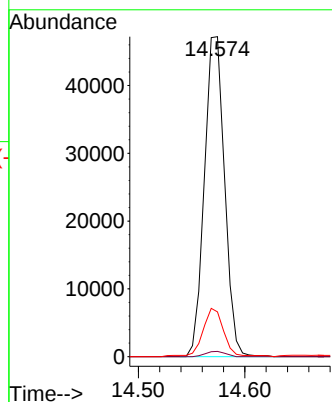
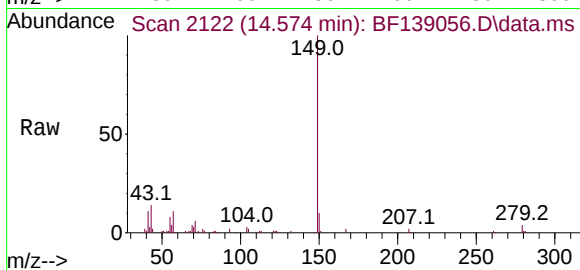
Tgt Ion:149 Resp: 62440

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

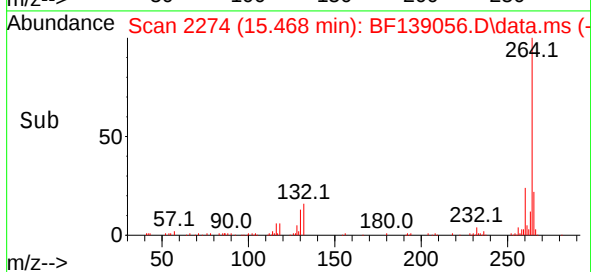
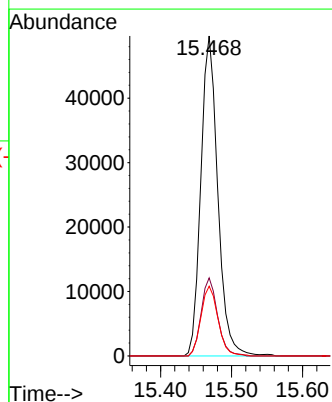
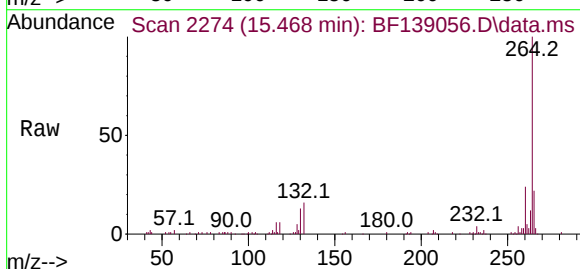
Tgt Ion:264 Resp: 82547

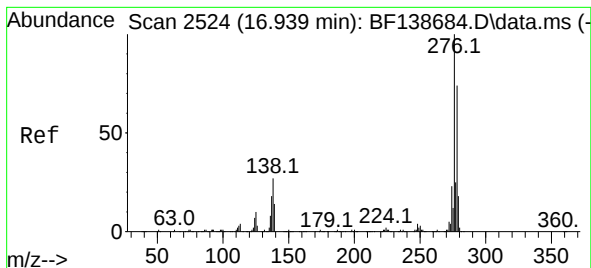
Ion Ratio Lower Upper

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

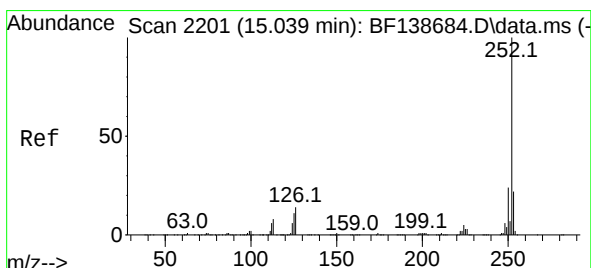
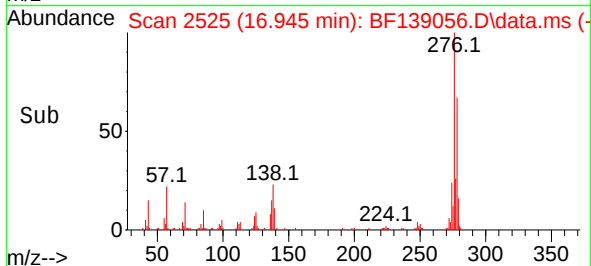
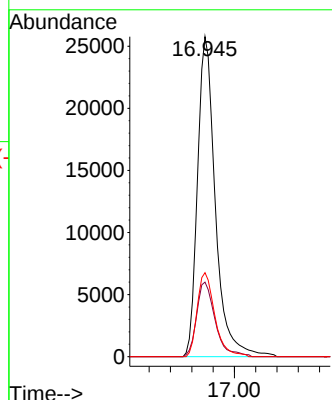
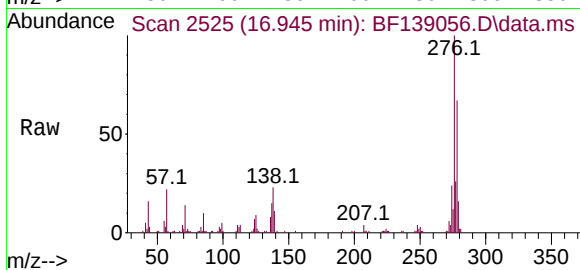
Tgt Ion:276 Resp: 59969

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: 9.410 ng

RT: 15.068 min Scan# 2206

Delta R.T. 0.029 min

Lab File: BF139056.D

Acq: 16 Aug 2024 14:24

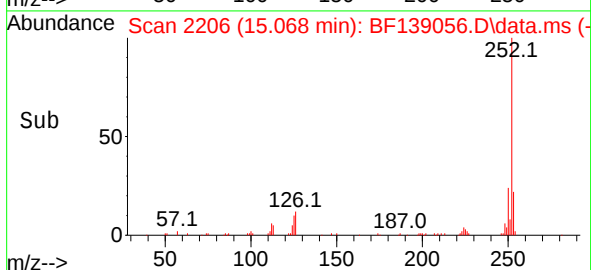
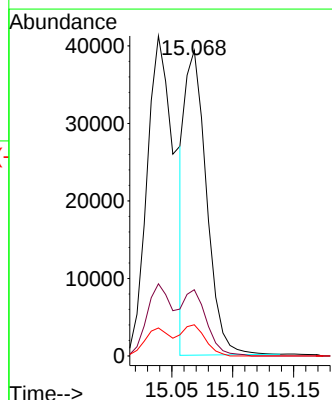
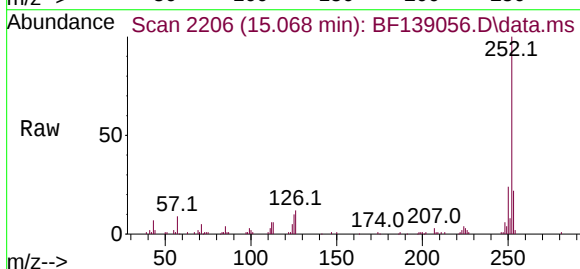
Tgt Ion:252 Resp: 48151

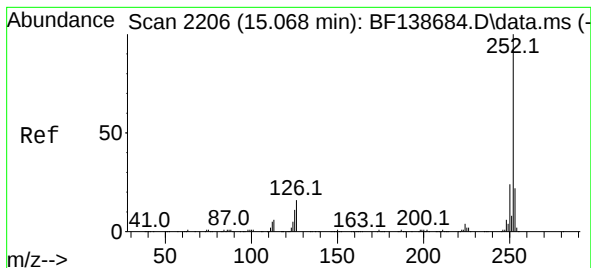
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.2 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 10.868 ng

RT: 15.068 min Scan# 2206

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

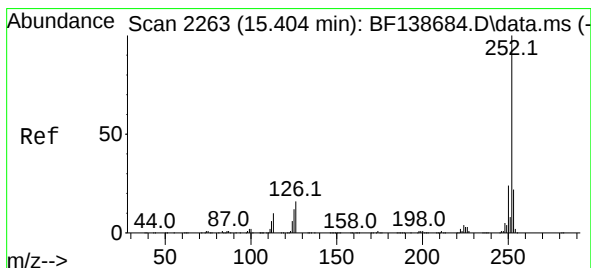
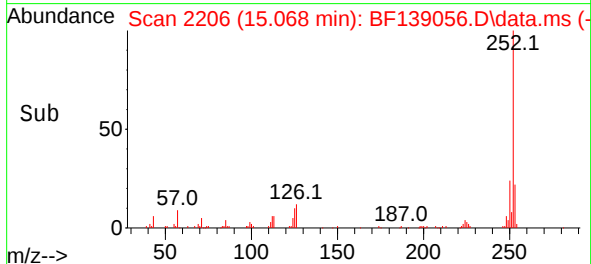
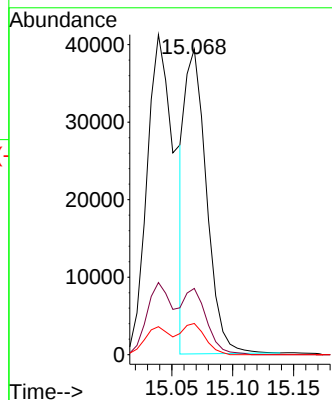
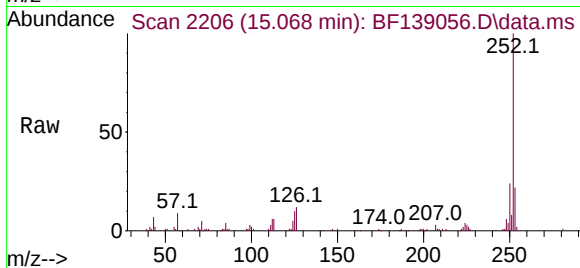
Tgt Ion:252 Resp: 48151

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

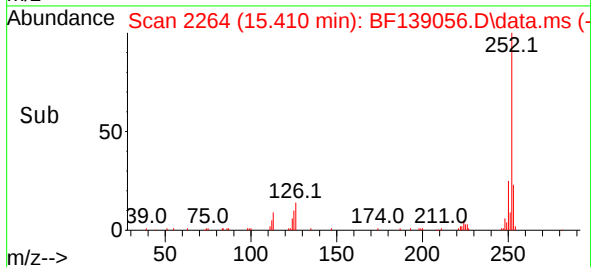
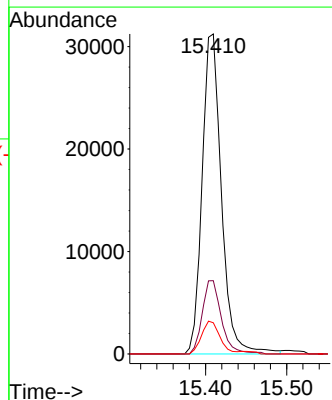
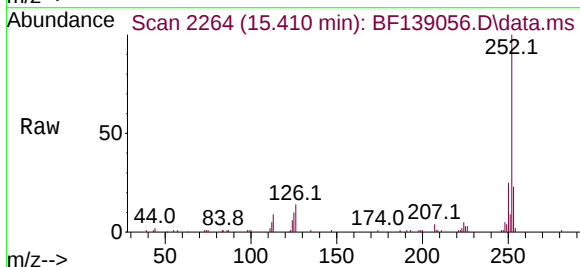
Tgt Ion:252 Resp: 51609

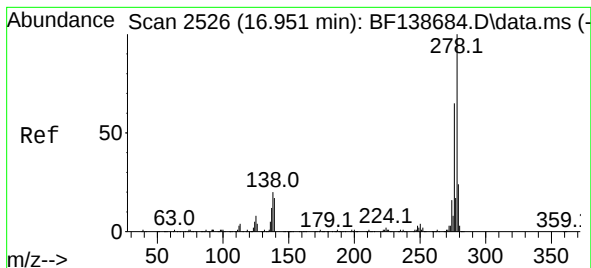
Ion Ratio Lower Upper

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

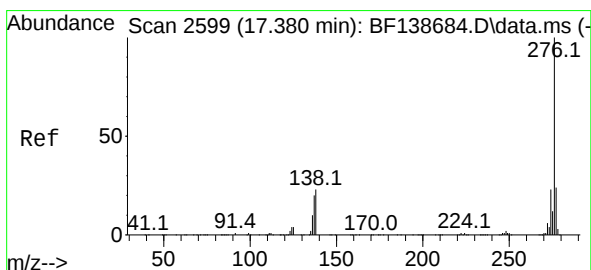
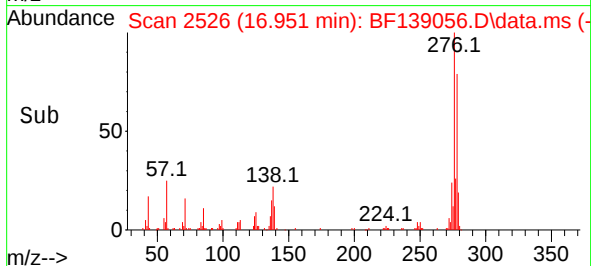
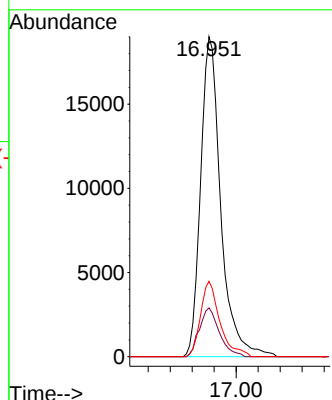
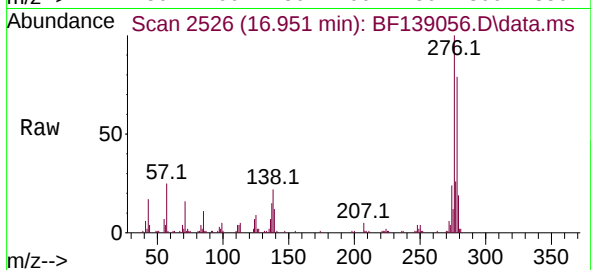
Tgt Ion:278 Resp: 48238

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

