

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139253.D
 Acq On : 05 Sep 2024 10:35
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5 ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 05 10:57:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136285	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	506395	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	272876	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	497374	20.000	ng	0.00
76) Chrysene-d12	14.051	240	244312	20.000	ng	0.00
86) Perylene-d12	15.521	264	229916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	777140	95.392	ng	0.00
7) Phenol-d6	6.510	99	1047202	96.287	ng	0.00
23) Nitrobenzene-d5	7.451	82	731682	75.167	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	223458	94.833	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1300417	73.564	ng	0.00
79) Terphenyl-d14	12.998	244	1156260	76.414	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	16570	4.368	ng	94
3) Pyridine	3.463	79	35463	3.872	ng	96
4) n-Nitrosodimethylamine	3.369	42	25300	4.254	ng	100
6) Aniline	6.551	93	53161	5.316	ng	97
8) 2-Chlorophenol	6.669	128	39436	4.671	ng	89
9) Benzaldehyde	6.439	77	35037	5.322	ng	99
10) Phenol	6.528	94	52784	4.601	ng	84
11) bis(2-Chloroethyl)ether	6.622	93	39425	4.797	ng	100
12) 1,3-Dichlorobenzene	6.828	146	42529	4.450	ng	99
13) 1,4-Dichlorobenzene	6.904	146	44151	4.616	ng	97
14) 1,2-Dichlorobenzene	7.057	146	41405	4.641	ng	98
15) Benzyl Alcohol	7.022	79	42740	5.389	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	75995	4.857	ng	99
17) 2-Methylphenol	7.128	107	29532	4.282	ng	99
18) Hexachloroethane	7.398	117	14583	4.269	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	30020	4.793	ng	98
20) 3+4-Methylphenols	7.287	107	39299	4.521	ng	# 80
22) Acetophenone	7.292	105	56819	4.710	ng	95
24) Nitrobenzene	7.469	77	47473	4.595	ng	99
25) Isophorone	7.698	82	77918	4.682	ng	99
26) 2-Nitrophenol	7.781	139	16782	4.136	ng	98
27) 2,4-Dimethylphenol	7.816	122	15074	2.605	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	46162	4.656	ng	98
29) 2,4-Dichlorophenol	8.022	162	30027	4.333	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	35667	4.507	ng	99
31) Naphthalene	8.192	128	119123	4.645	ng	99
33) 4-Chloroaniline	8.239	127	43250	4.871	ng	97
34) Hexachlorobutadiene	8.310	225	21912	4.370	ng	97
35) Caprolactam	8.563	113	8962	4.178	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	32400	4.291	ng	96
37) 2-Methylnaphthalene	8.881	142	75082	4.680	ng	98
38) 1-Methylnaphthalene	8.981	142	70024	4.438	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	36291	4.701	ng	98
41) Hexachlorocyclopentadiene	9.033	237	6630	2.672	ng	95
43) 2,4,6-Trichlorophenol	9.157	196	21565	4.269	ng	100
44) 2,4,5-Trichlorophenol	9.192	196	22851	4.317	ng	99

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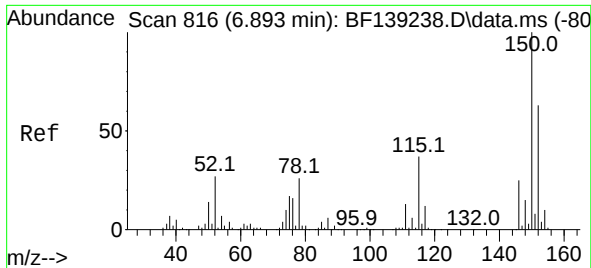
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	98034	4.849	ng	99
47) 2-Chloronaphthalene	9.369	162	70881	4.643	ng	97
48) 2-Nitroaniline	9.463	65	22037	4.191	ng	97
49) Acenaphthylene	9.786	152	113504	4.937	ng	99
50) Dimethylphthalate	9.639	163	77704	4.698	ng	100
51) 2,6-Dinitrotoluene	9.704	165	15394	4.103	ng	96
52) Acenaphthene	9.957	154	67868	4.450	ng	99
53) 3-Nitroaniline	9.869	138	16938	4.237	ng	96
54) 2,4-Dinitrophenol	9.975	184	1952	8.425	ng	# 1
55) Dibenzofuran	10.128	168	107354	4.910	ng	98
56) 4-Nitrophenol	10.022	139	8303	2.814	ng	95
57) 2,4-Dinitrotoluene	10.104	165	18796	3.936	ng	96
58) Fluorene	10.469	166	81726	4.821	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	18117	4.348	ng	# 95
60) Diethylphthalate	10.339	149	73552	4.519	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	38267	4.681	ng	98
62) 4-Nitroaniline	10.475	138	15537	4.083	ng	93
63) Azobenzene	10.627	77	78811	4.594	ng	96
66) n-Nitrosodiphenylamine	10.580	169	67331	4.651	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	21561	4.468	ng	97
68) Hexachlorobenzene	11.016	284	25268	4.574	ng	100
69) Atrazine	11.104	200	18630	5.577	ng	98
70) Pentachlorophenol	11.210	266	7840	2.457	ng	97
71) Phenanthrene	11.433	178	112990	4.863	ng	99
72) Anthracene	11.486	178	104964	4.624	ng	99
73) Carbazole	11.639	167	96226	4.536	ng	99
74) Di-n-butylphthalate	11.974	149	97490	4.488	ng	100
75) Fluoranthene	12.621	202	107577	4.618	ng	98
77) Benzidine	12.745	184	13148	2.673	ng	96
78) Pyrene	12.851	202	108738	4.607	ng	99
80) Butylbenzylphthalate	13.474	149	22027	3.965	ng	97
81) Benzo(a)anthracene	14.039	228	71441	4.579	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	18128	4.376	ng	99
83) Chrysene	14.074	228	65956	4.530	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	24571	3.768	ng	99
85) Di-n-octyl phthalate	14.645	149	38332	3.070	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.998	276	48637	3.386	ng	98
88) Benzo(b)fluoranthene	15.092	252	54986	4.153	ng	99
89) Benzo(k)fluoranthene	15.121	252	54949	4.628	ng	99
90) Benzo(a)pyrene	15.457	252	48672	4.329	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	37112	3.135	ng	98
92) Benzo(g,h,i)perylene	17.445	276	37705	3.086	ng	98

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

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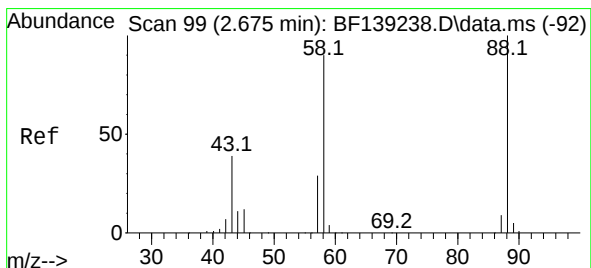
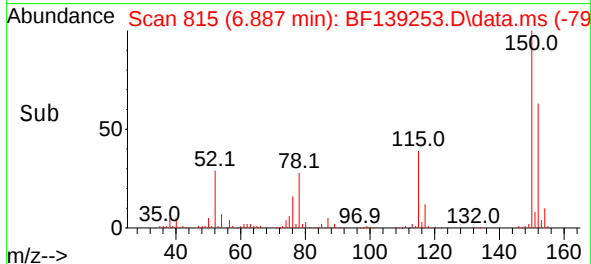
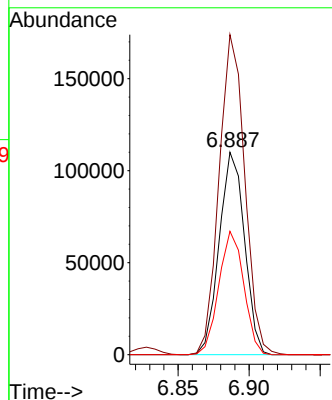
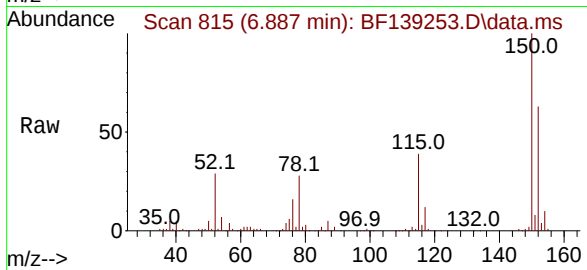




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

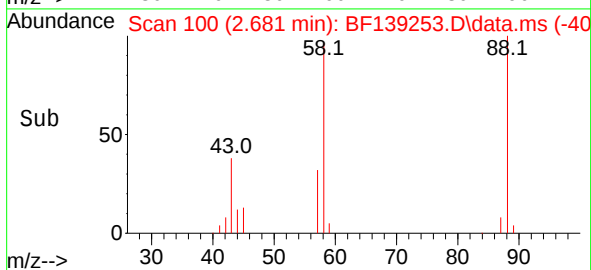
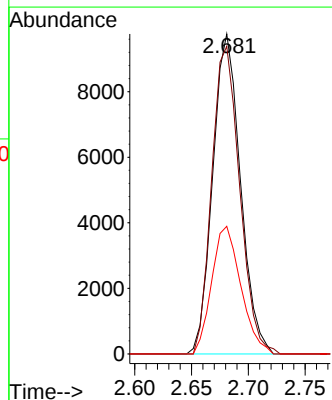
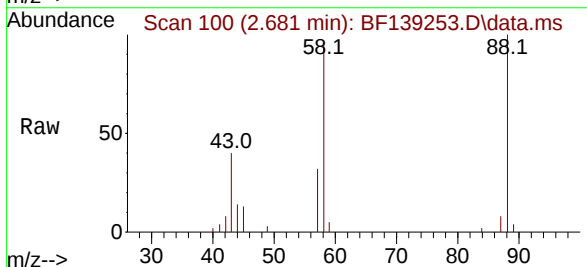
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

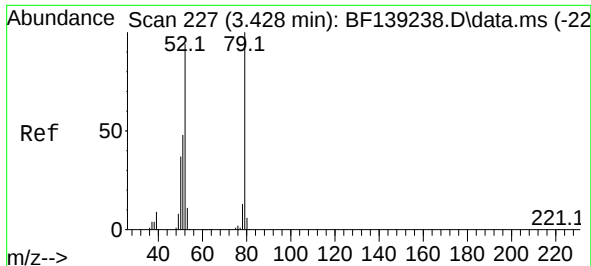
Tgt Ion:152 Resp: 136285
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.4
115 60.9 46.9 70.3



#2
1,4-Dioxane
Concen: 4.368 ng
RT: 2.681 min Scan# 100
Delta R.T. 0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion: 88 Resp: 16570
Ion Ratio Lower Upper
88 100
58 96.8 72.5 108.7
43 41.9 31.4 47.2





#3

Pyridine

Concen: 3.872 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

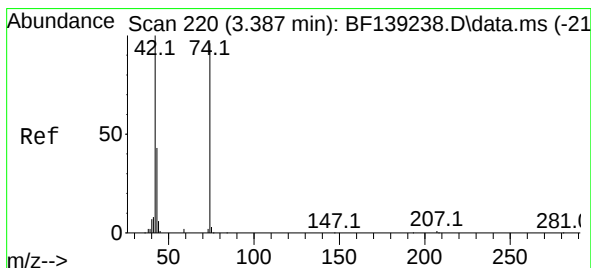
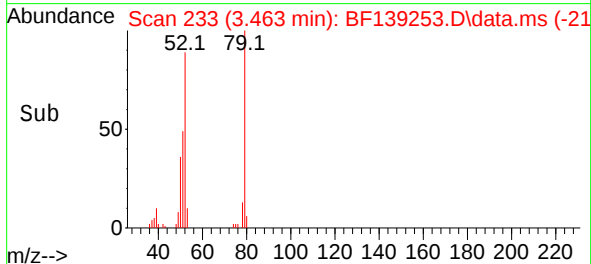
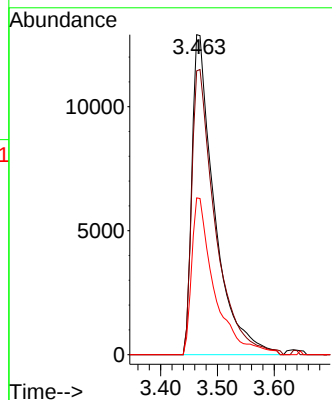
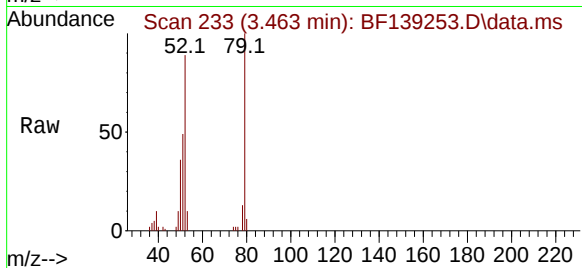
Tgt Ion: 79 Resp: 35463

Ion Ratio Lower Upper

79 100

52 88.7 75.3 112.9

51 49.0 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 4.254 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

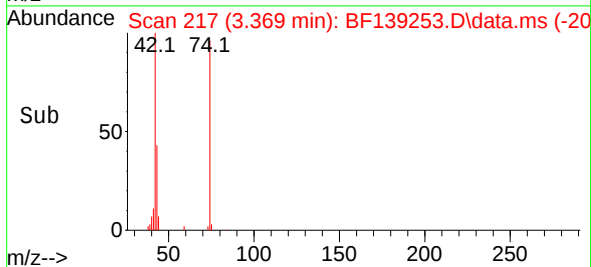
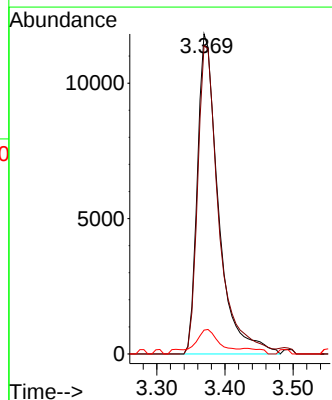
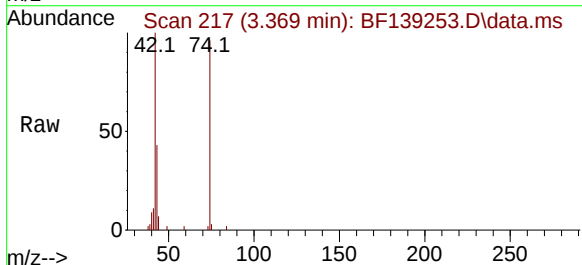
Tgt Ion: 42 Resp: 25300

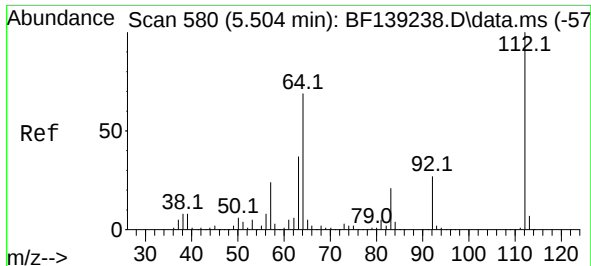
Ion Ratio Lower Upper

42 100

74 96.3 77.2 115.8

44 7.5 5.1 7.7

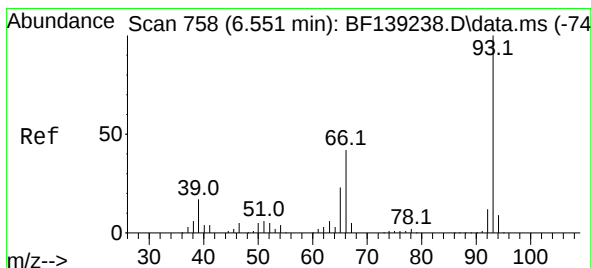
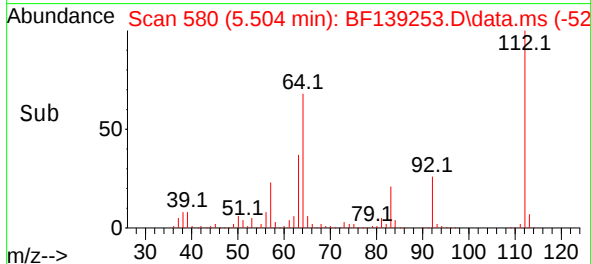
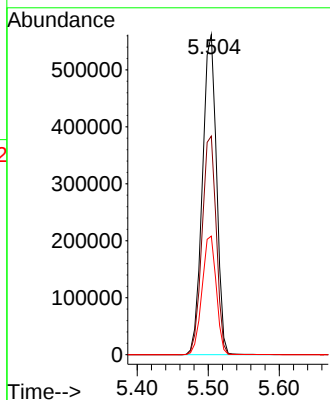
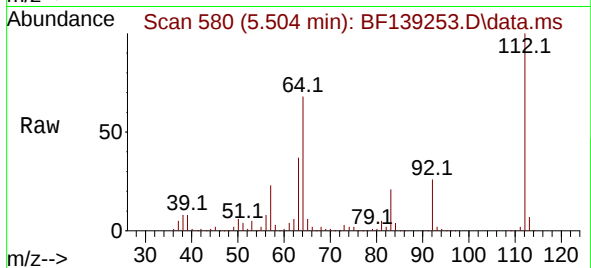




#5
2-Fluorophenol
Concen: 95.392 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

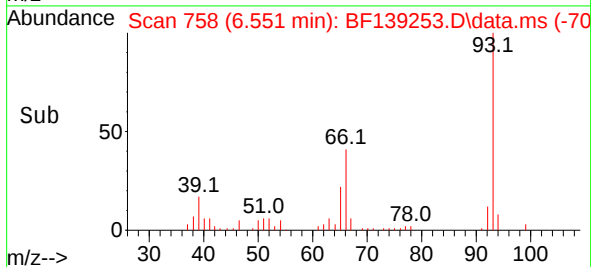
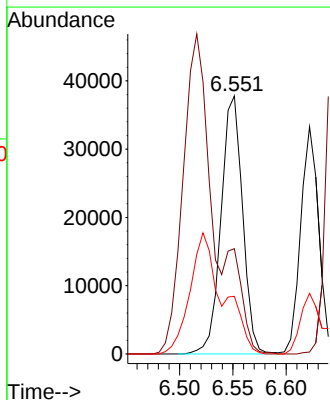
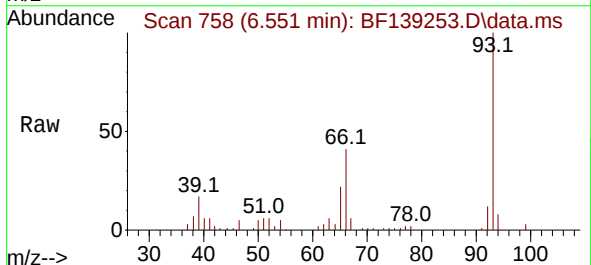
Instrument :
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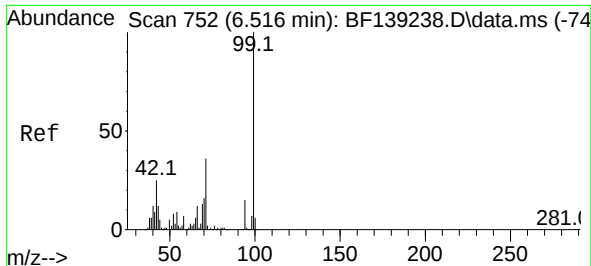
Tgt Ion:112 Resp: 777140
Ion Ratio Lower Upper
112 100
64 68.3 55.0 82.4
63 37.1 29.9 44.9



#6
Aniline
Concen: 5.316 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion: 93 Resp: 53161
Ion Ratio Lower Upper
93 100
66 40.8 34.4 51.6
65 22.3 18.2 27.4

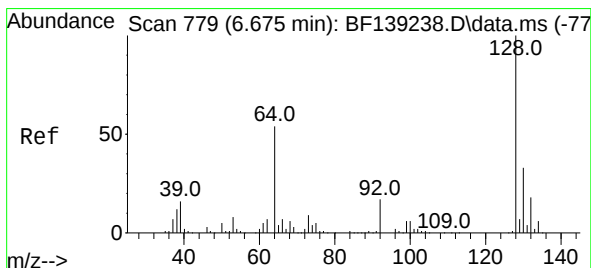
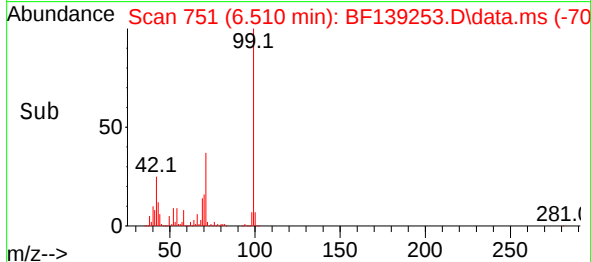
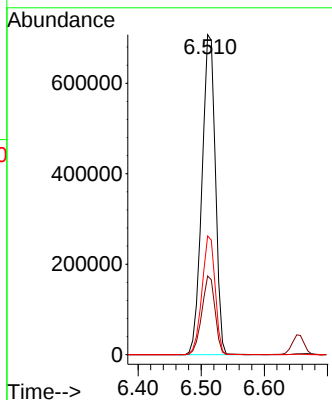
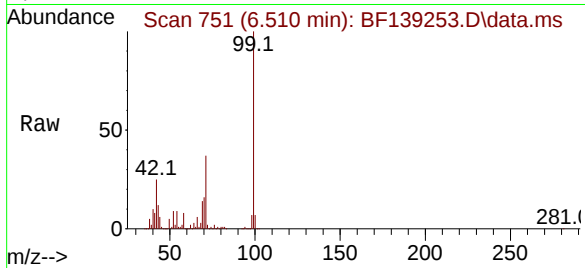




#7
Phenol-d6
Concen: 96.287 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

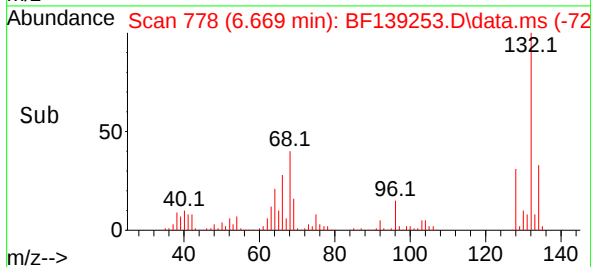
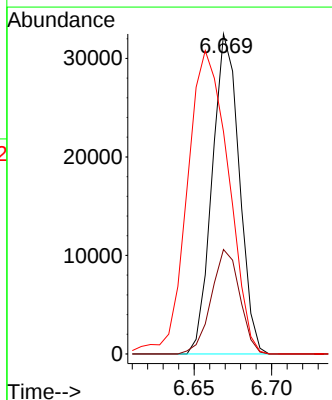
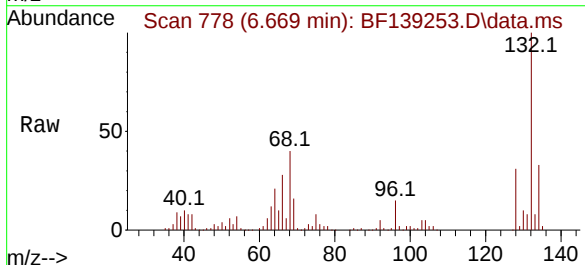
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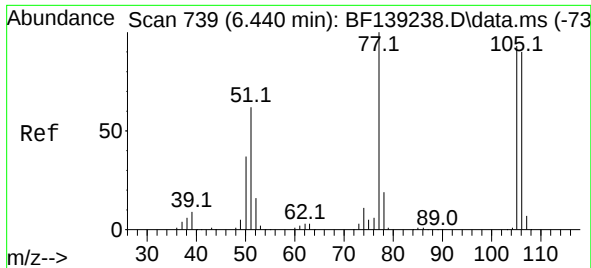
Tgt Ion: 99 Resp: 1047202
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 37.1 28.8 43.2



#8
2-Chlorophenol
Concen: 4.671 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion: 128 Resp: 39436
Ion Ratio Lower Upper
128 100
130 32.7 12.7 52.7
64 69.5 36.6 76.6





#9

Benzaldehyde

Concen: 5.322 ng

RT: 6.439 min Scan# 739

Delta R.T. -0.001 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

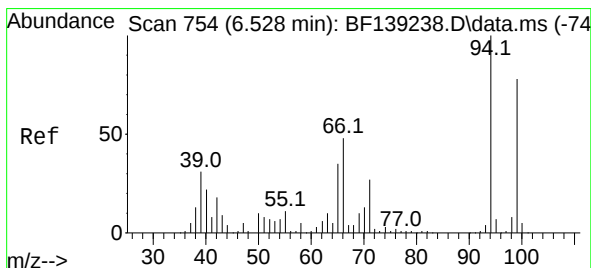
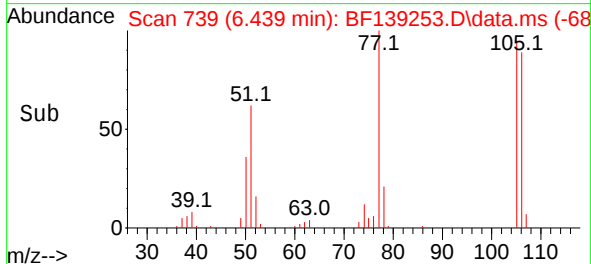
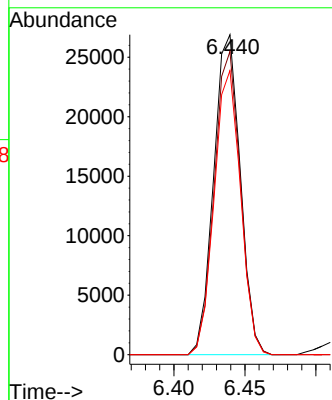
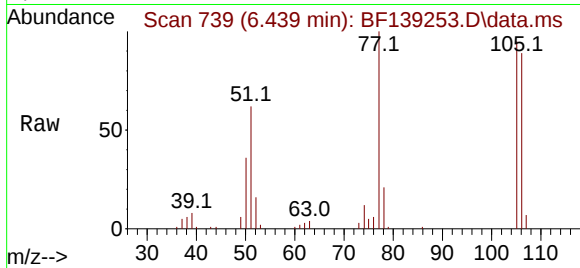
Tgt Ion: 77 Resp: 35037

Ion Ratio Lower Upper

77 100

105 94.8 72.9 112.9

106 88.8 69.6 109.6



#10

Phenol

Concen: 4.601 ng

RT: 6.528 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

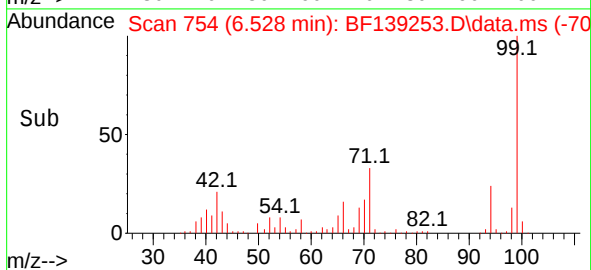
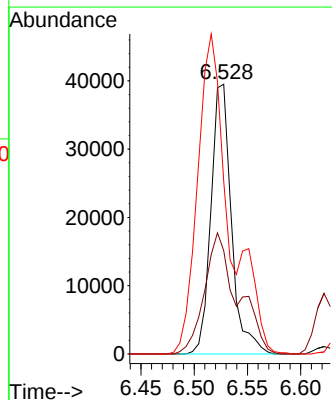
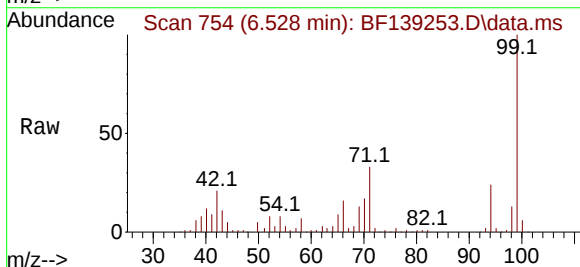
Tgt Ion: 94 Resp: 52784

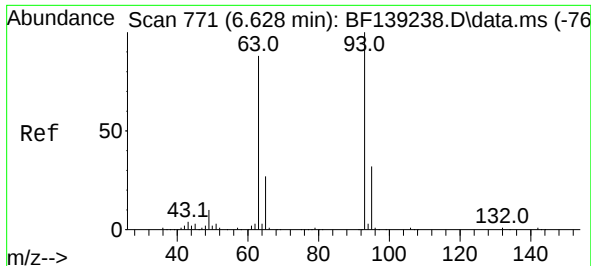
Ion Ratio Lower Upper

94 100

65 38.3 14.7 54.7

66 64.0 28.5 68.5





#11

bis(2-Chloroethyl)ether

Concen: 4.797 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

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BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

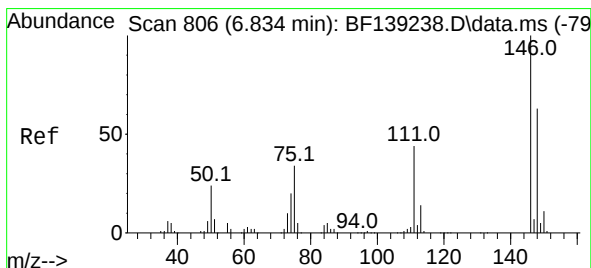
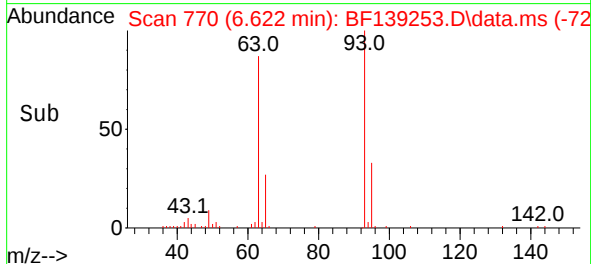
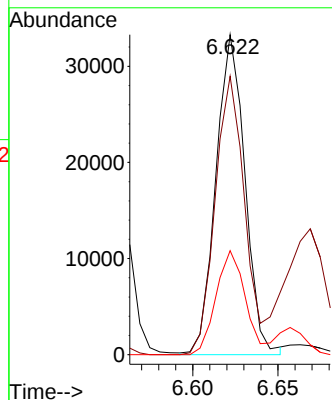
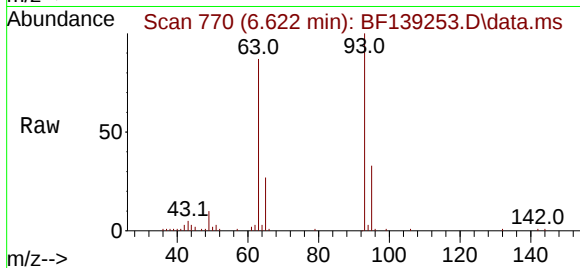
Tgt Ion: 93 Resp: 39425

Ion Ratio Lower Upper

93 100

63 87.0 67.1 107.1

95 32.5 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 4.450 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

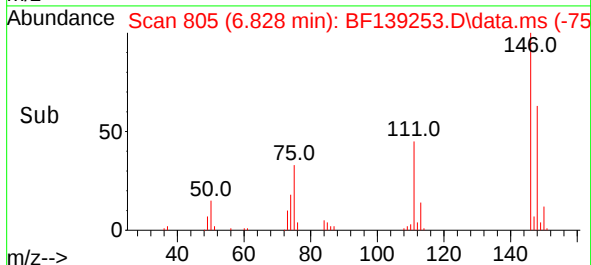
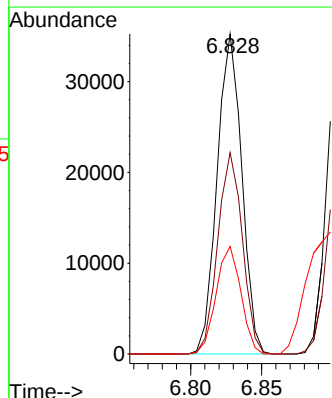
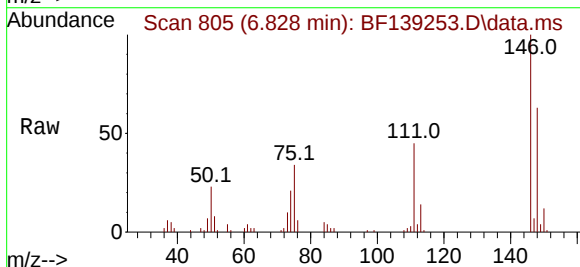
Tgt Ion:146 Resp: 42529

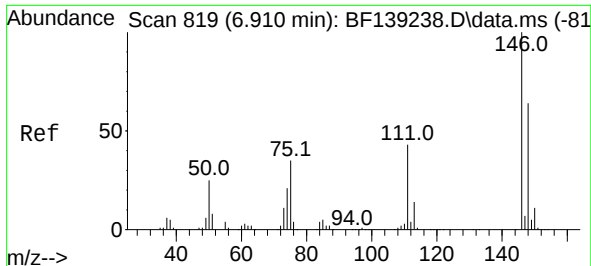
Ion Ratio Lower Upper

146 100

148 62.9 50.8 76.2

75 33.6 27.3 40.9

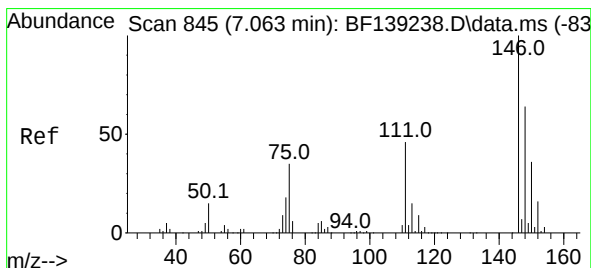
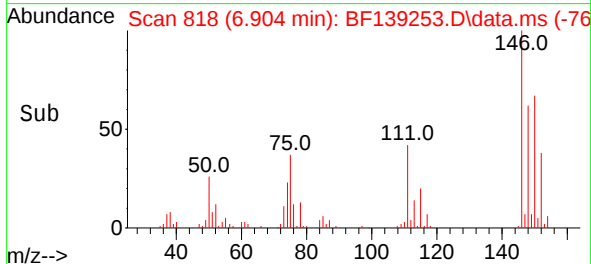
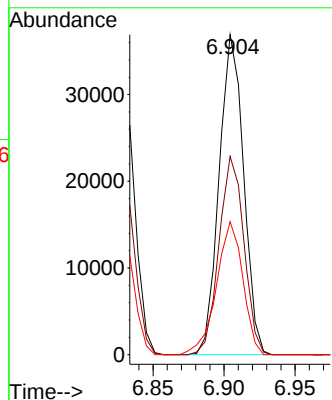
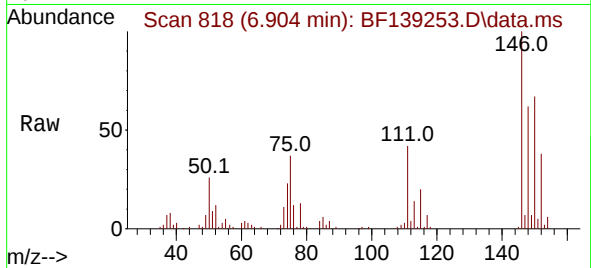




#13
1,4-Dichlorobenzene
Concen: 4.616 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

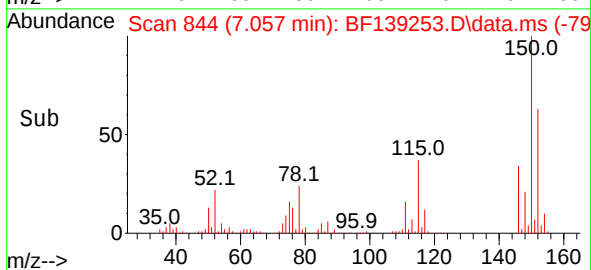
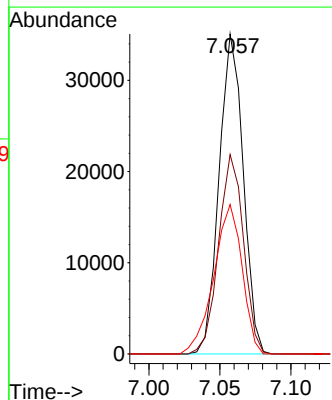
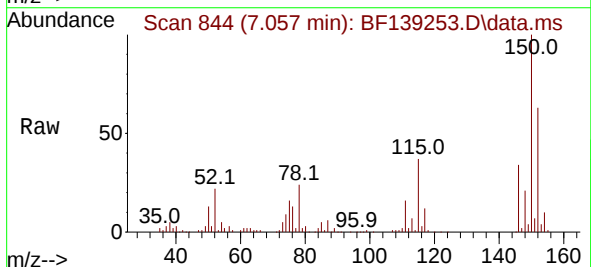
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

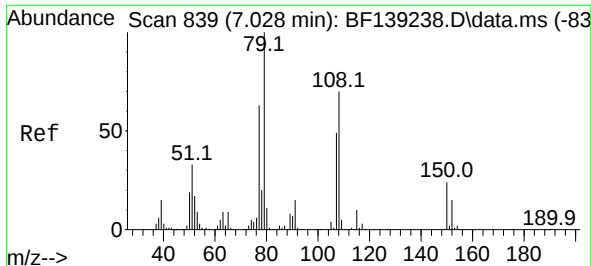
Tgt Ion:146 Resp: 44151
Ion Ratio Lower Upper
146 100
148 62.0 51.2 76.8
111 41.5 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 4.641 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:146 Resp: 41405
Ion Ratio Lower Upper
146 100
148 62.3 50.9 76.3
111 46.7 36.6 55.0

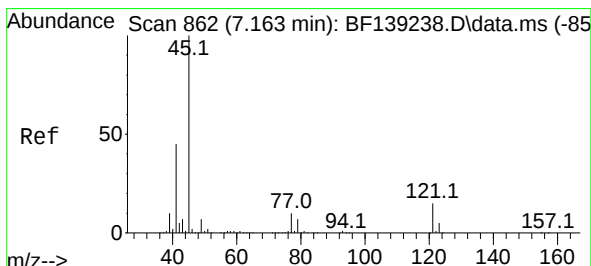
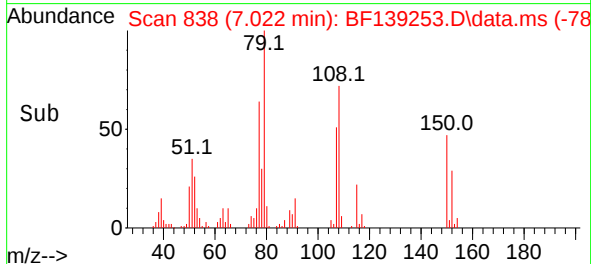
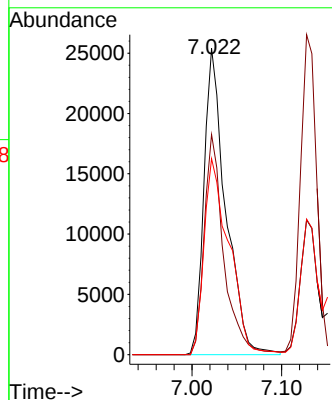
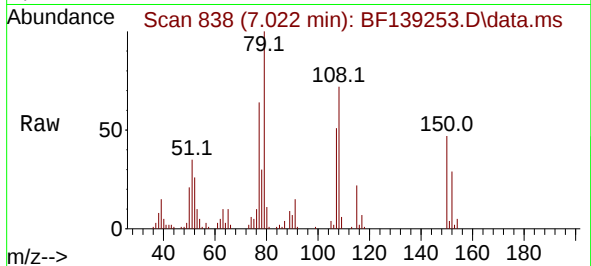




#15
Benzyl Alcohol
Concen: 5.389 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

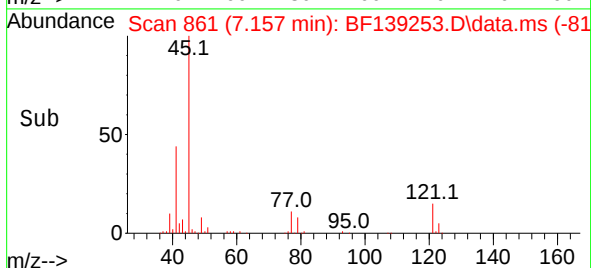
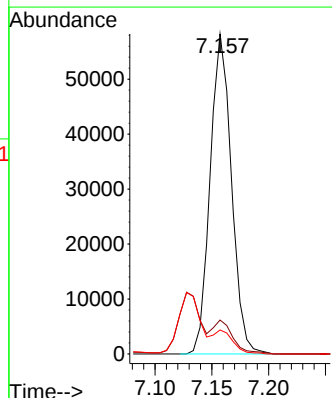
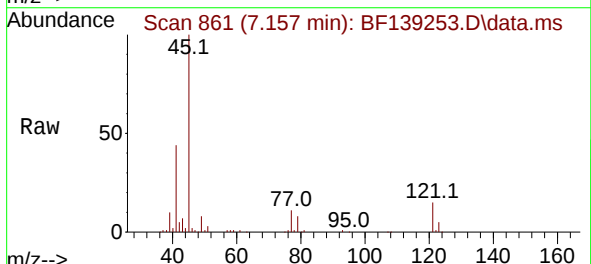
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

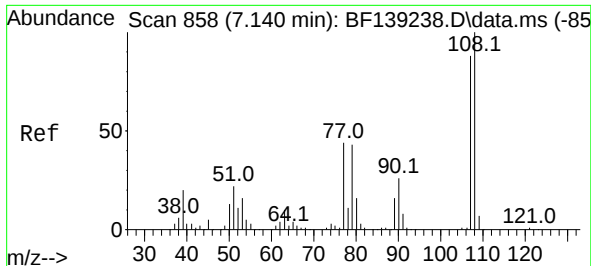
Tgt Ion: 79 Resp: 42740
Ion Ratio Lower Upper
79 100
108 71.9 56.1 84.1
77 64.0 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.857 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion: 45 Resp: 75995
Ion Ratio Lower Upper
45 100
77 10.6 0.0 30.0
79 7.5 0.0 27.6

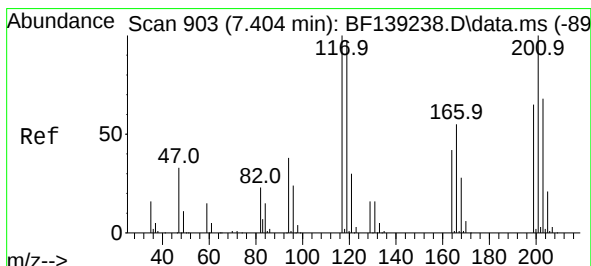
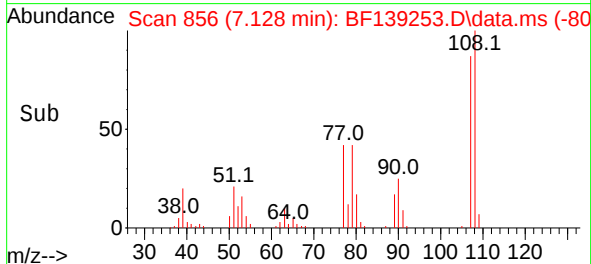
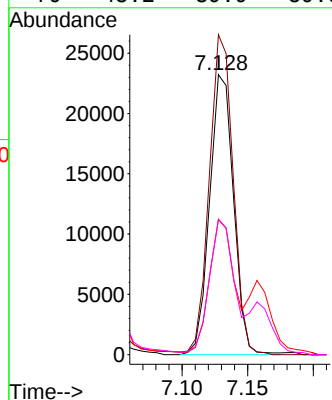
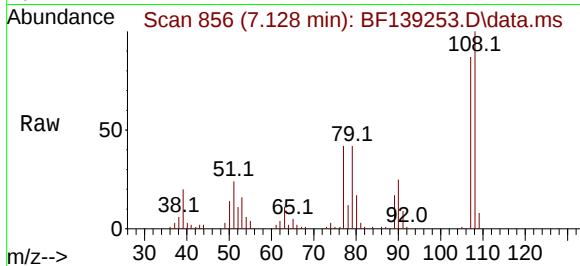




#17
2-Methylphenol
Concen: 4.282 ng
RT: 7.128 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

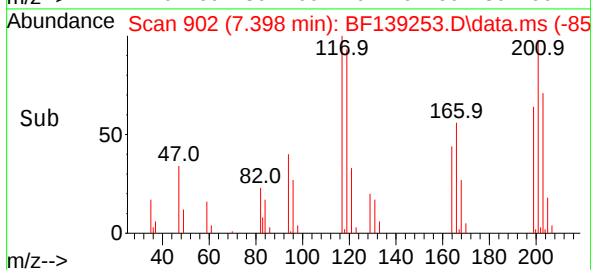
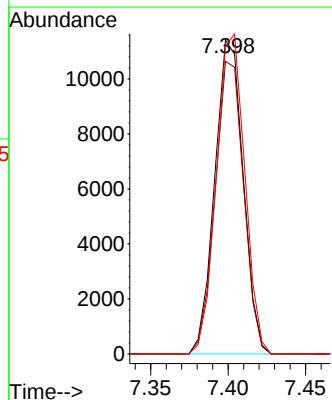
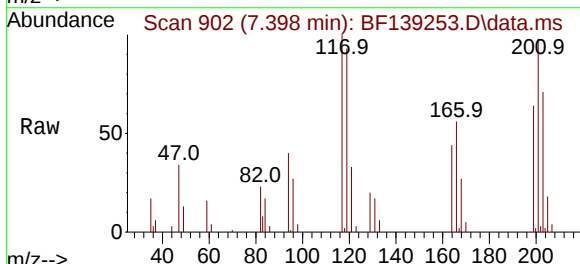
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

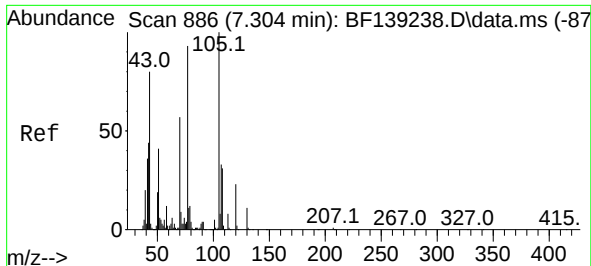
Tgt Ion:	107	Resp:	29532
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.4	137.2
77	48.4	40.1	60.1
79	48.2	39.9	59.9



#18
Hexachloroethane
Concen: 4.269 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:	117	Resp:	14583
Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.4	116.2
201	98.0	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 4.793 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF139253.D

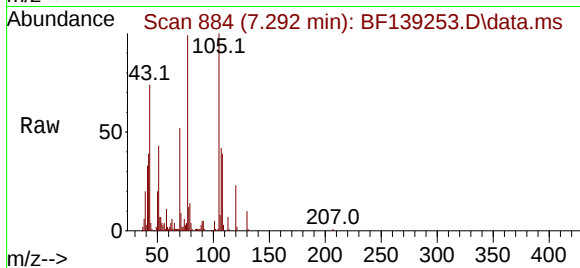
Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion: 70 Resp: 30020

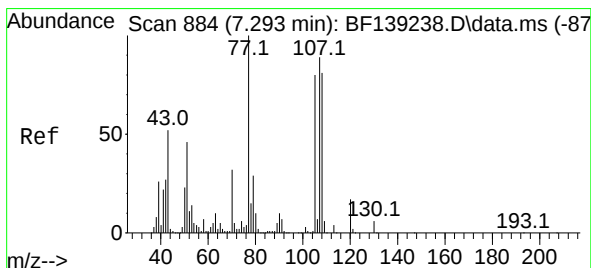
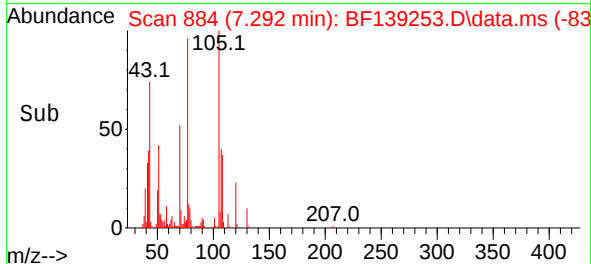
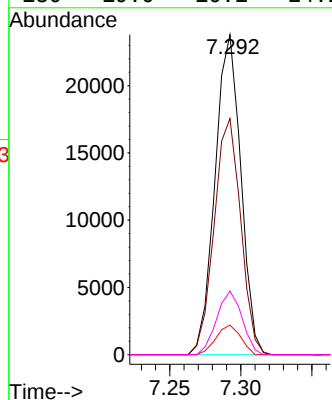
Ion Ratio Lower Upper

70 100

42 73.8 61.0 91.6

101 9.2 7.2 10.8

130 19.9 16.1 24.1



#20

3+4-Methylphenols

Concen: 4.521 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Tgt Ion: 107 Resp: 39299

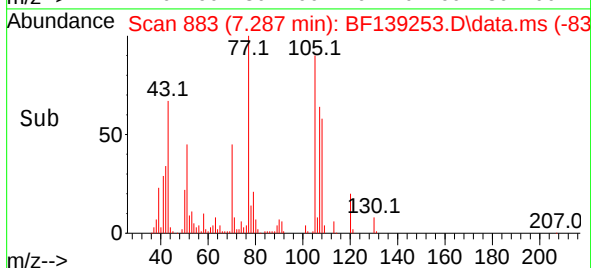
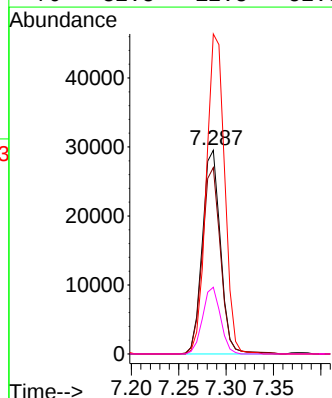
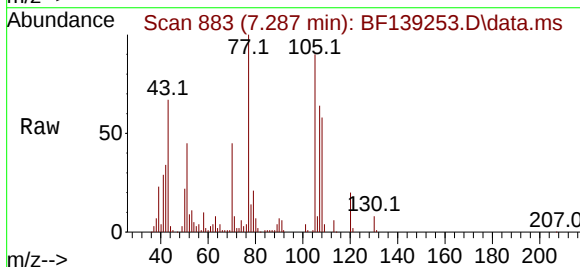
Ion Ratio Lower Upper

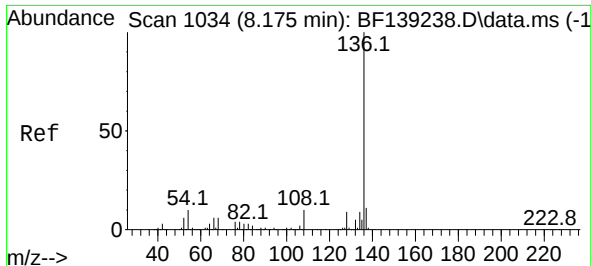
107 100

108 91.5 70.4 110.4

77 157.1 92.2 132.2#

79 32.8 12.8 52.8

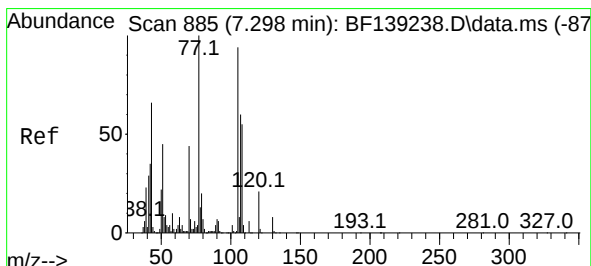
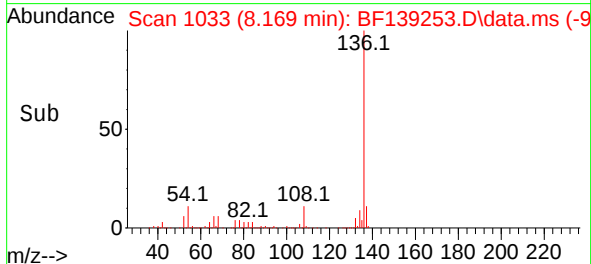
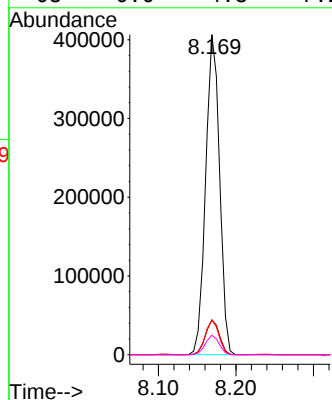
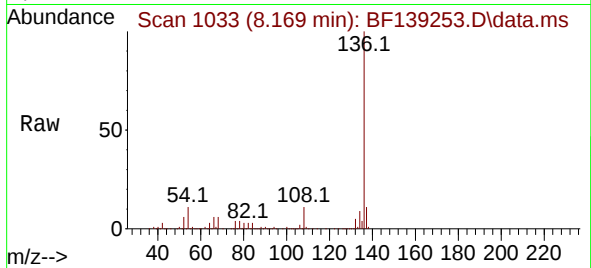




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

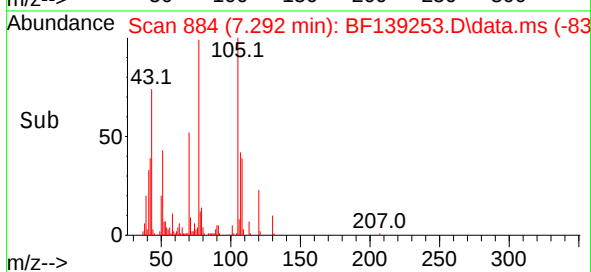
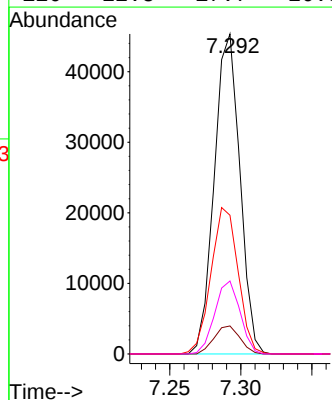
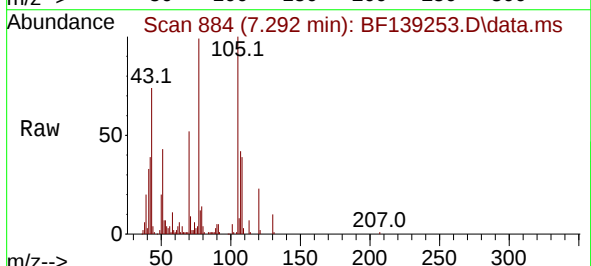
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

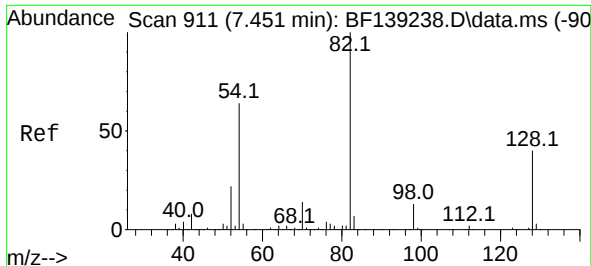
Tgt Ion:136 Resp: 506395
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.9 8.4 12.6
68 6.0 4.8 7.2



#22
Acetophenone
Concen: 4.710 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:105 Resp: 56819
Ion Ratio Lower Upper
105 100
71 8.8 6.2 9.2
51 43.3 38.2 57.2
120 22.8 17.7 26.5





#23

Nitrobenzene-d5

Concen: 75.167 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

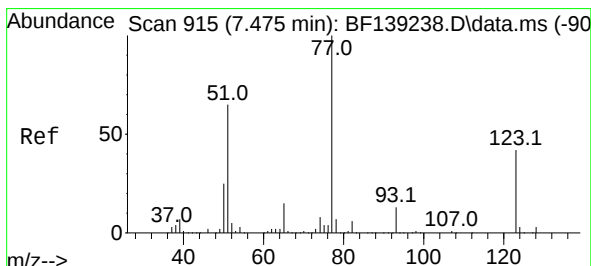
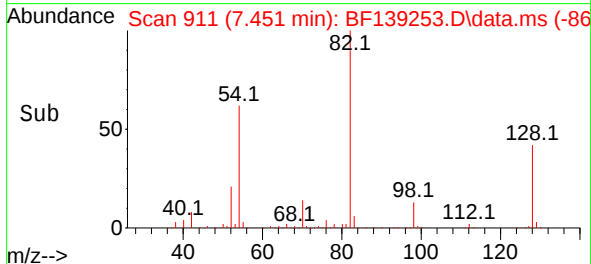
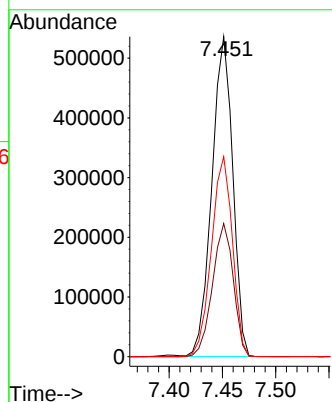
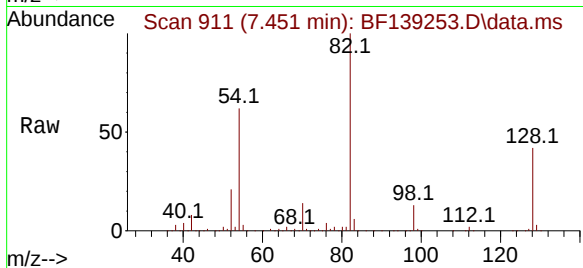
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 82 Resp: 731682

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.3	48.5
54	62.5	51.2	76.8



#24

Nitrobenzene

Concen: 4.595 ng

RT: 7.469 min Scan# 914

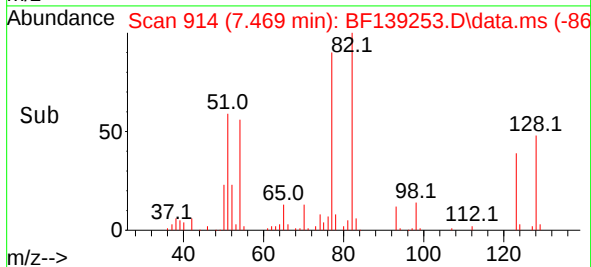
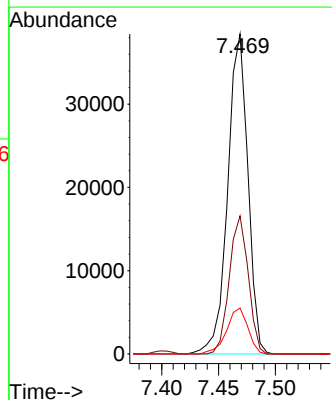
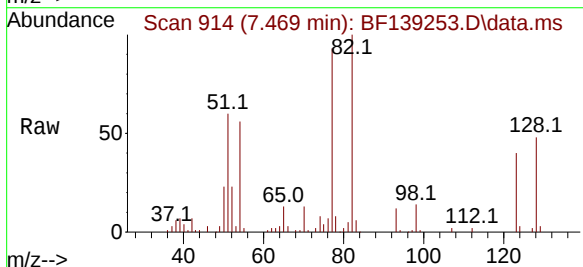
Delta R.T. -0.006 min

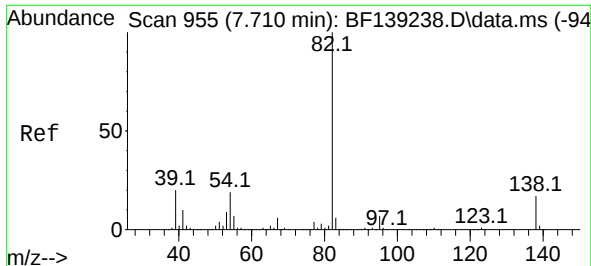
Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Tgt Ion: 77 Resp: 47473

Ion	Ratio	Lower	Upper
77	100		
123	43.2	34.0	51.0
65	14.4	12.1	18.1

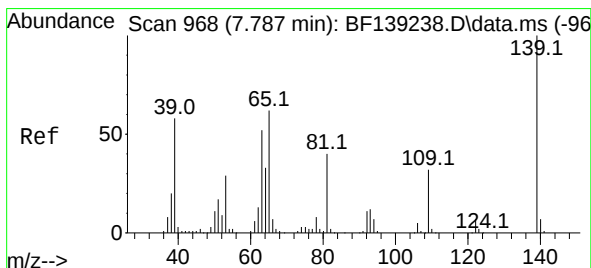
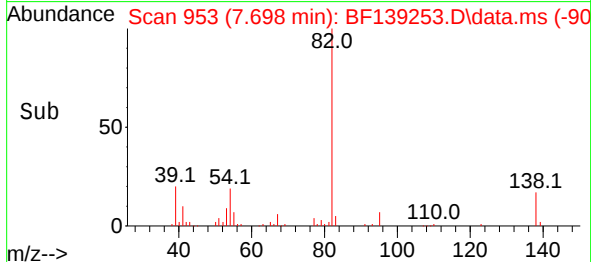
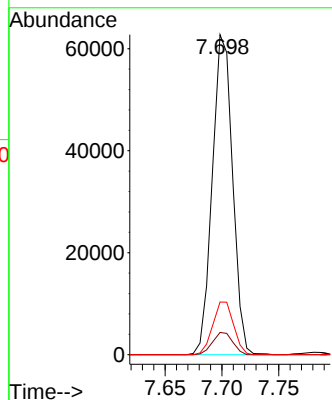
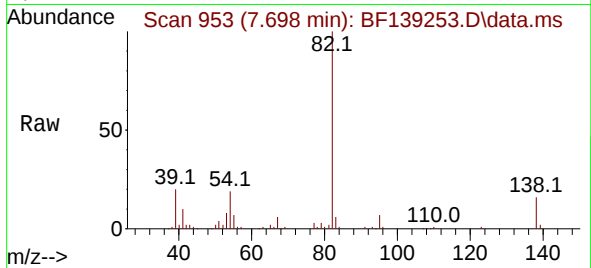




#25
Isophorone
Concen: 4.682 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

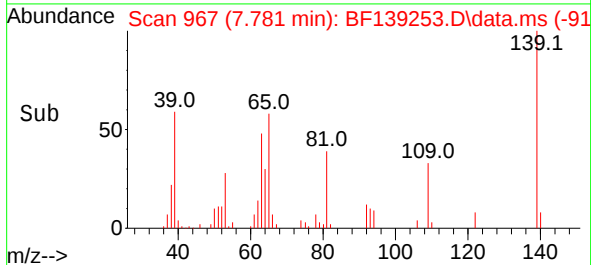
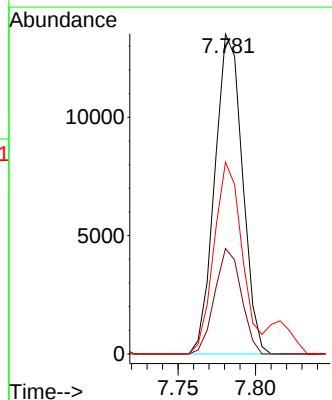
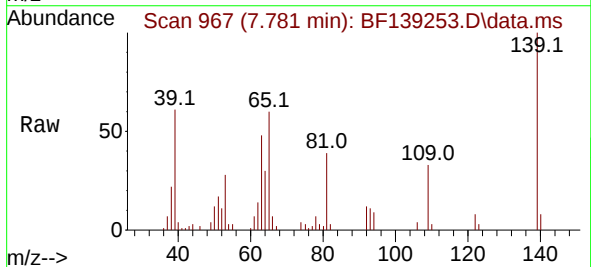
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

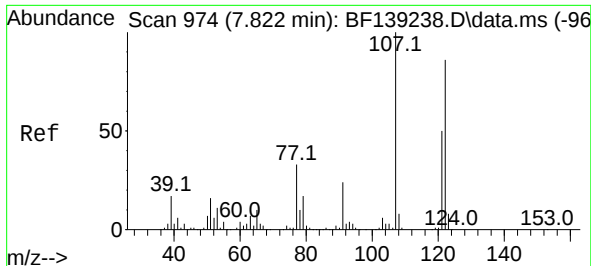
Tgt Ion: 82 Resp: 77918
Ion Ratio Lower Upper
82 100
95 7.0 6.0 9.0
138 16.5 13.4 20.0



#26
2-Nitrophenol
Concen: 4.136 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:139 Resp: 16782
Ion Ratio Lower Upper
139 100
109 32.9 25.4 38.2
65 59.9 49.4 74.2





#27

2,4-Dimethylphenol

Concen: 2.605 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

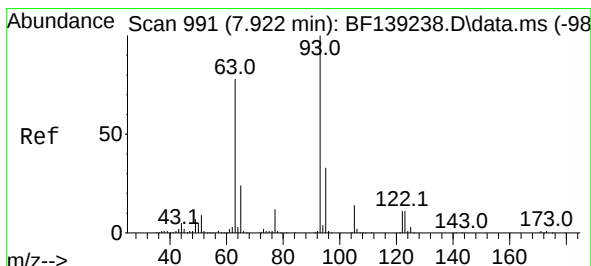
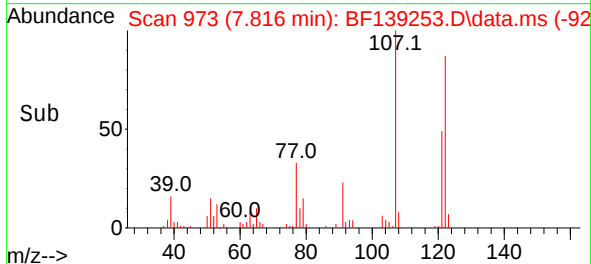
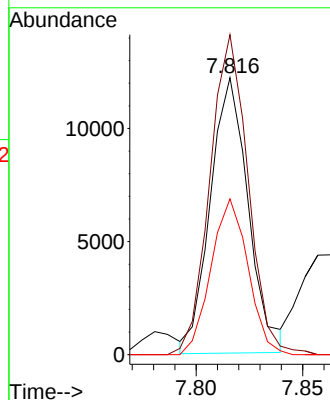
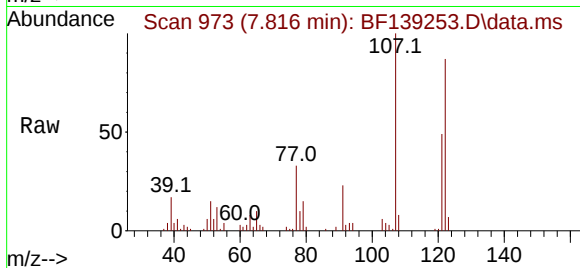
Tgt Ion:122 Resp: 15074

Ion Ratio Lower Upper

122 100

107 115.5 93.4 140.2

121 56.2 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.656 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

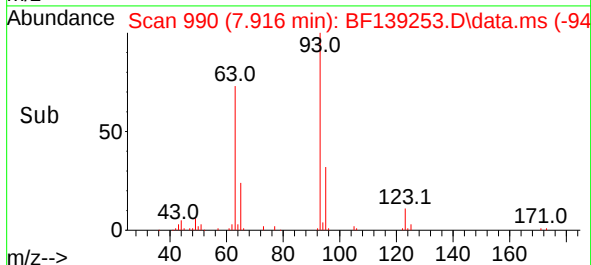
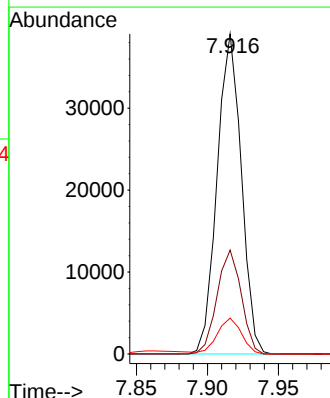
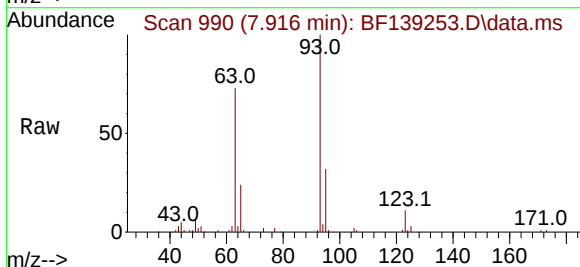
Tgt Ion: 93 Resp: 46162

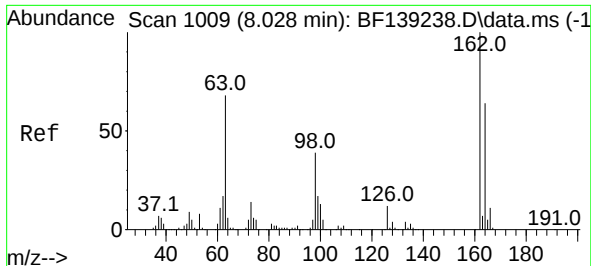
Ion Ratio Lower Upper

93 100

95 32.4 26.6 40.0

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.333 ng

RT: 8.022 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

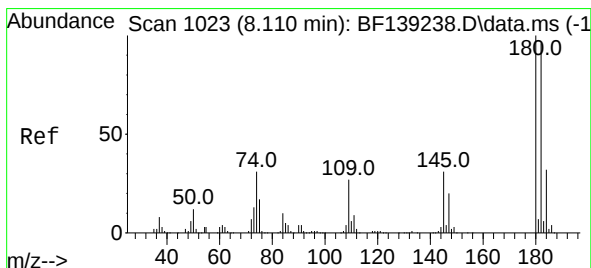
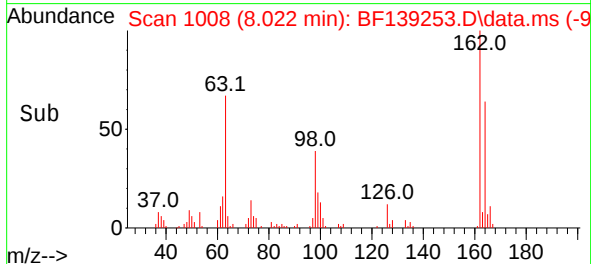
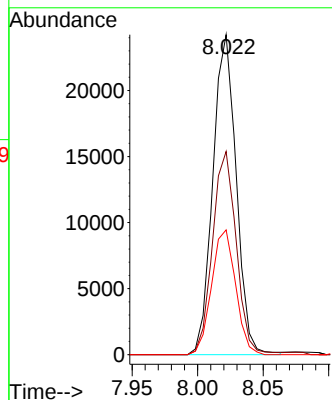
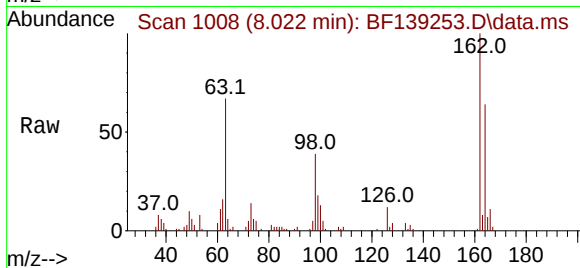
Tgt Ion:162 Resp: 30027

Ion Ratio Lower Upper

162 100

164 63.5 43.6 83.6

98 39.0 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 4.507 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

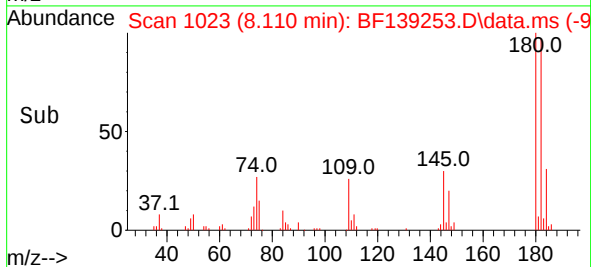
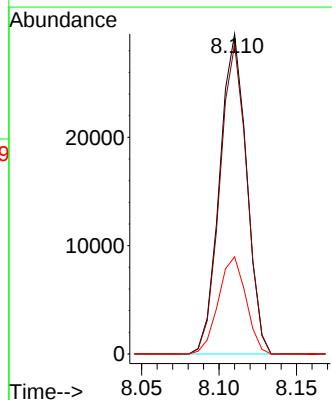
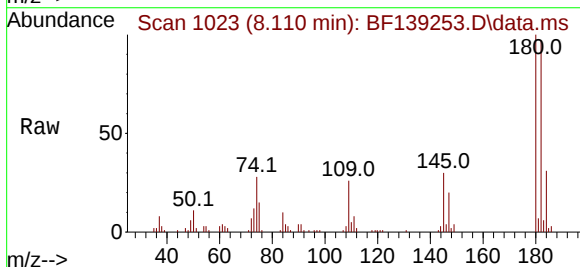
Tgt Ion:180 Resp: 35667

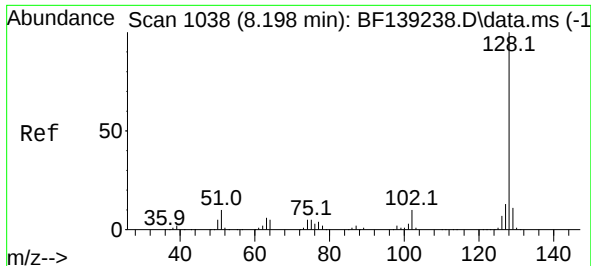
Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 30.3 25.1 37.7





#31

Naphthalene

Concen: 4.645 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

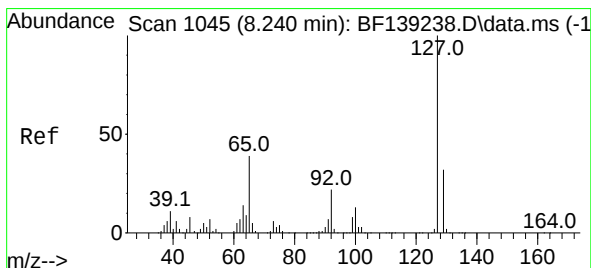
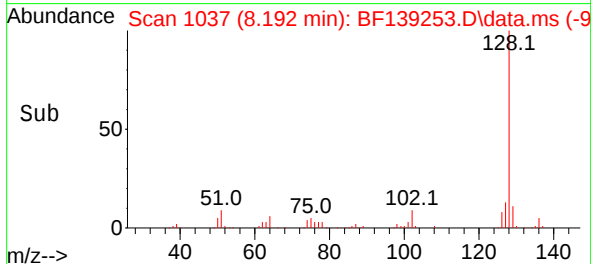
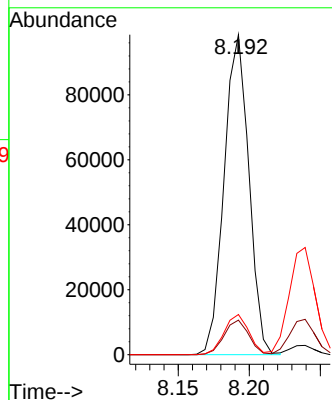
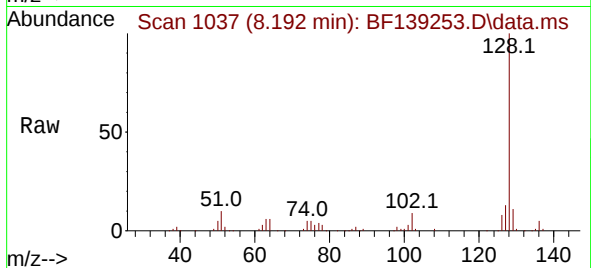
Tgt Ion:128 Resp: 119123

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.5 10.6 15.8



#33

4-Chloroaniline

Concen: 4.871 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Tgt Ion:127 Resp: 43250

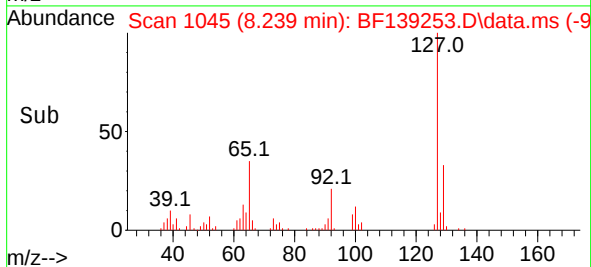
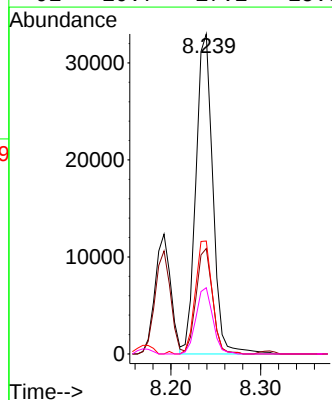
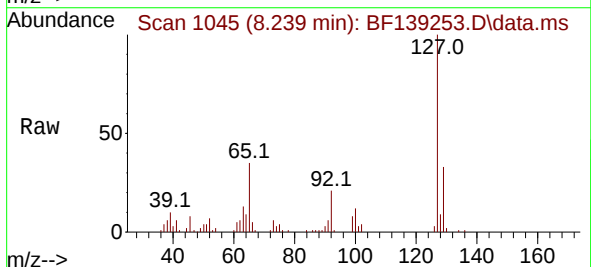
Ion Ratio Lower Upper

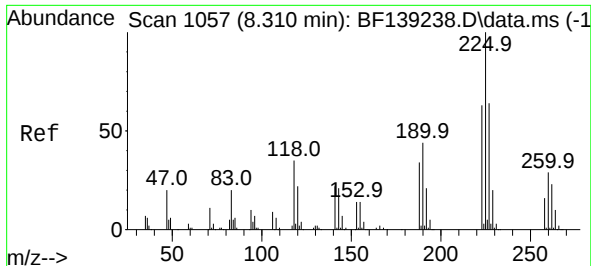
127 100

129 33.0 25.8 38.6

65 35.3 30.6 45.8

92 20.7 17.2 25.8

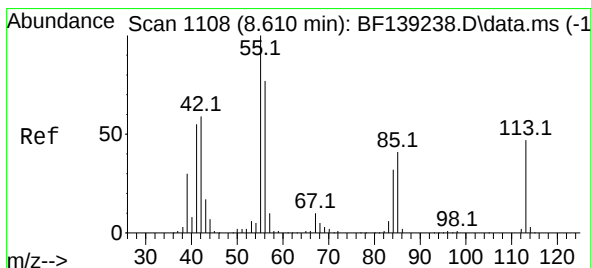
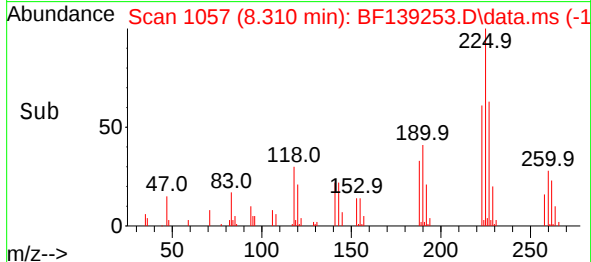
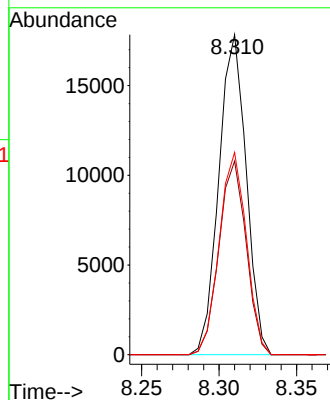
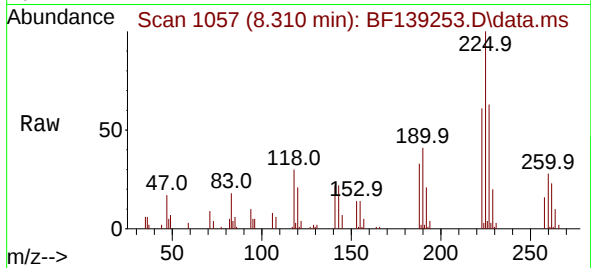




#34
Hexachlorobutadiene
Concen: 4.370 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

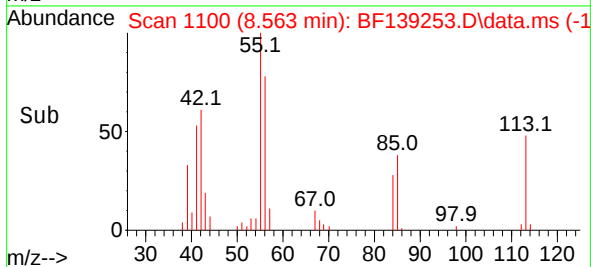
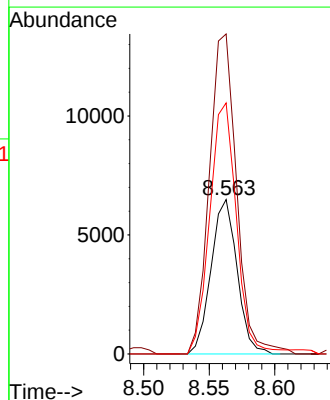
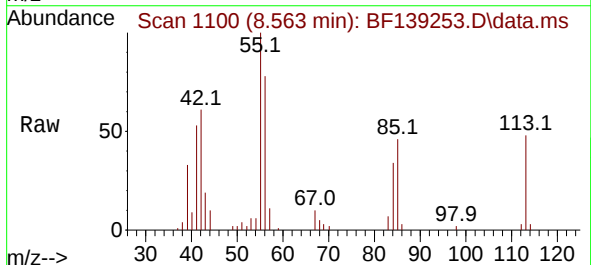
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

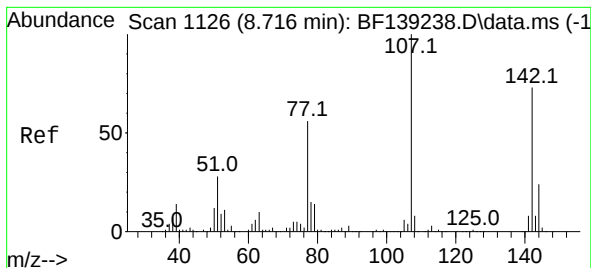
Tgt Ion:225 Resp: 21912
Ion Ratio Lower Upper
225 100
223 60.5 50.7 76.1
227 63.2 51.5 77.3



#35
Caprolactam
Concen: 4.178 ng
RT: 8.563 min Scan# 1100
Delta R.T. -0.047 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:113 Resp: 8962
Ion Ratio Lower Upper
113 100
55 207.3 193.7 233.7
56 162.6 145.0 185.0





#36

4-Chloro-3-methylphenol

Concen: 4.291 ng

RT: 8.710 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

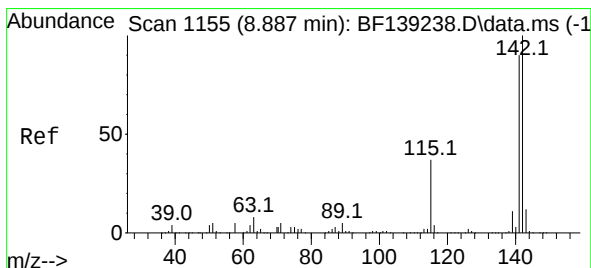
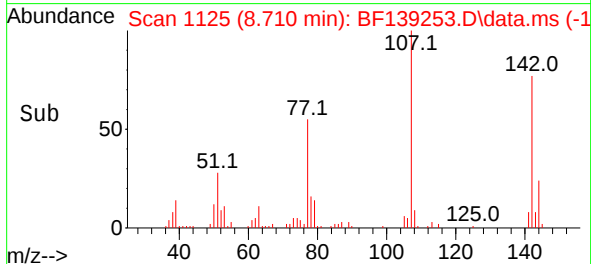
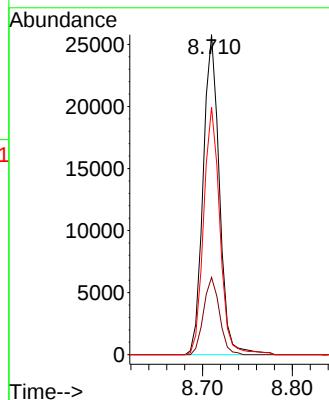
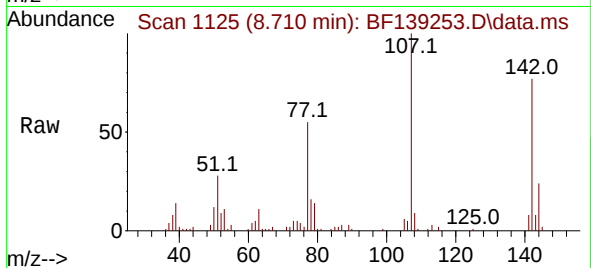
Tgt Ion:107 Resp: 32400

Ion Ratio Lower Upper

107 100

144 24.2 19.1 28.7

142 77.4 58.3 87.5



#37

2-Methylnaphthalene

Concen: 4.680 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF139253.D

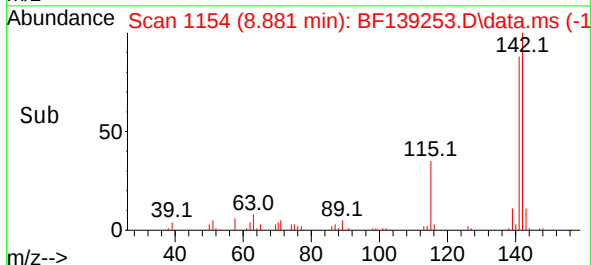
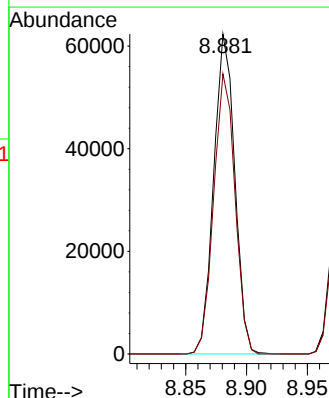
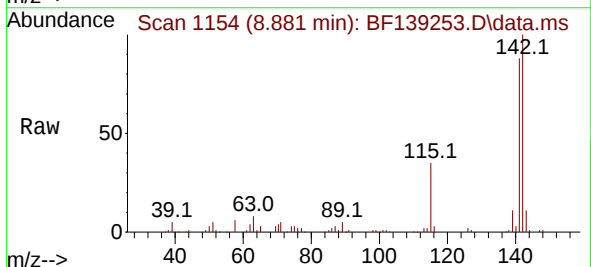
Acq: 05 Sep 2024 10:35

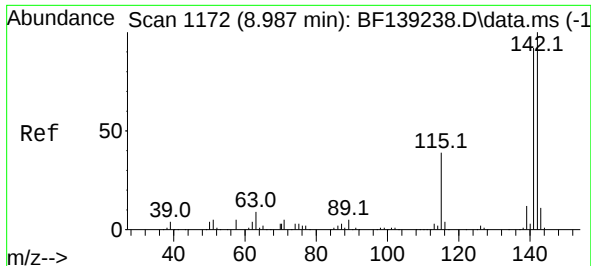
Tgt Ion:142 Resp: 75082

Ion Ratio Lower Upper

142 100

141 87.5 71.6 107.4





#38

1-Methylnaphthalene

Concen: 4.438 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

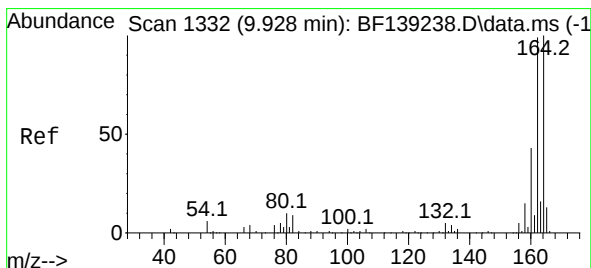
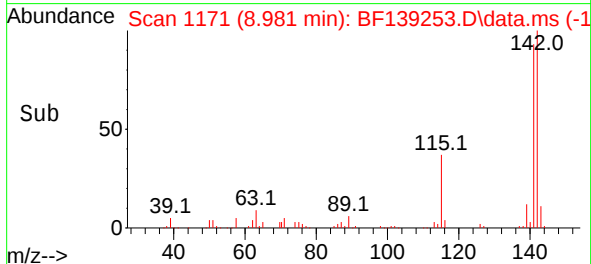
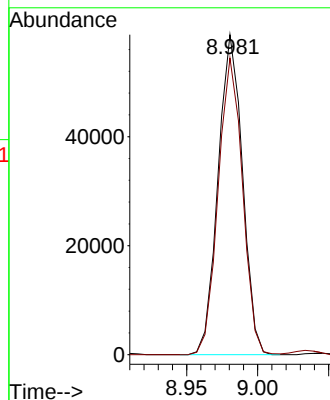
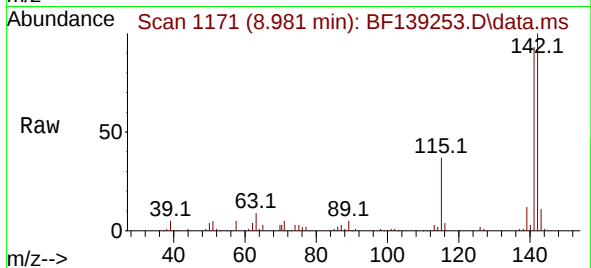
LOQ-SOIL-02-QT2-2024

Tgt Ion:142 Resp: 70024

Ion Ratio Lower Upper

142 100

141 92.7 73.5 110.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

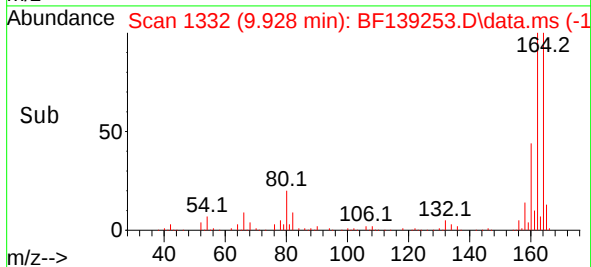
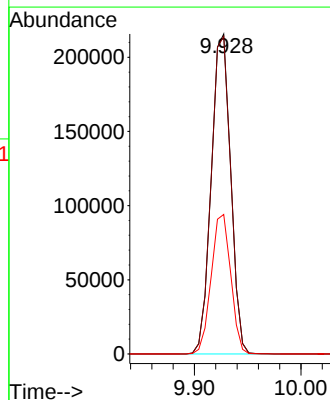
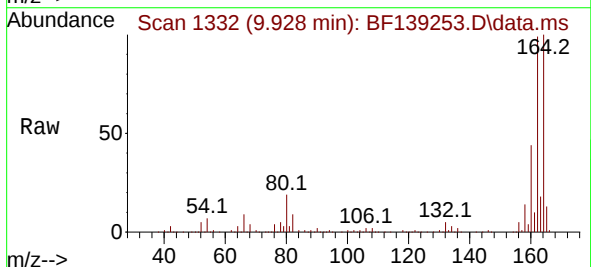
Tgt Ion:164 Resp: 272876

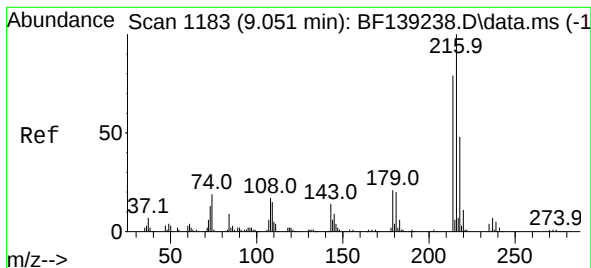
Ion Ratio Lower Upper

164 100

162 99.2 79.2 118.8

160 43.6 34.2 51.2





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.701 ng

RT: 9.045 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:216 Resp: 36291

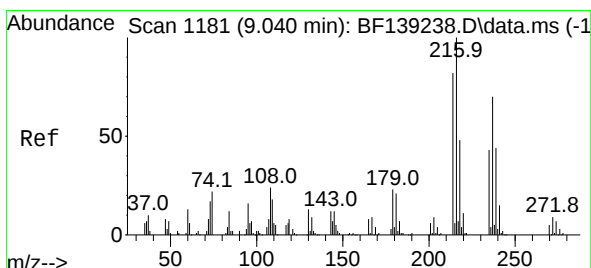
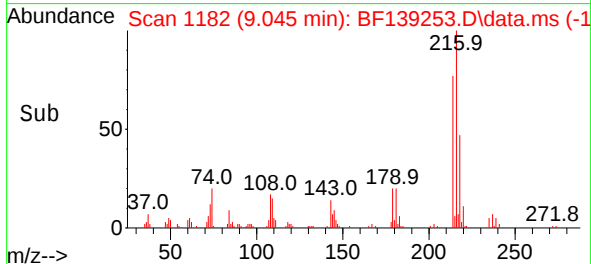
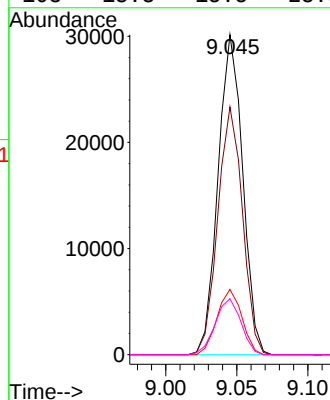
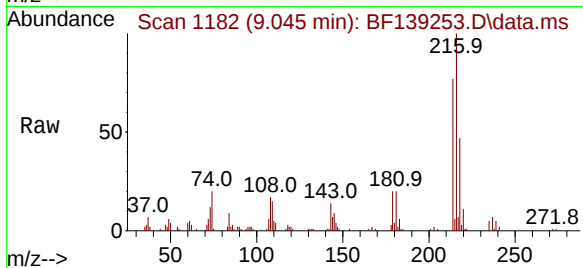
Ion Ratio Lower Upper

216 100

214 77.8 63.8 95.8

179 20.5 16.9 25.3

108 18.3 15.5 23.3



#41

Hexachlorocyclopentadiene

Concen: 2.672 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

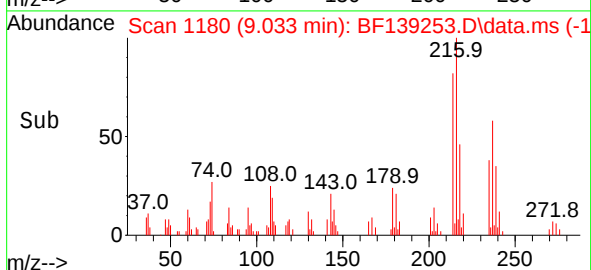
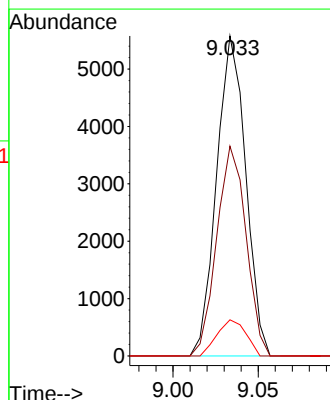
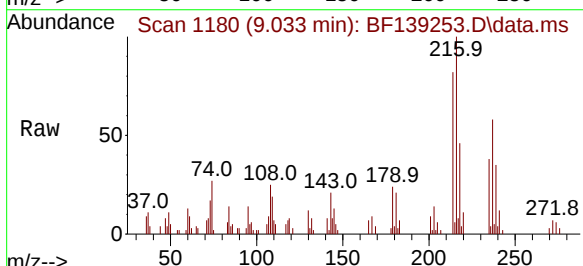
Tgt Ion:237 Resp: 6630

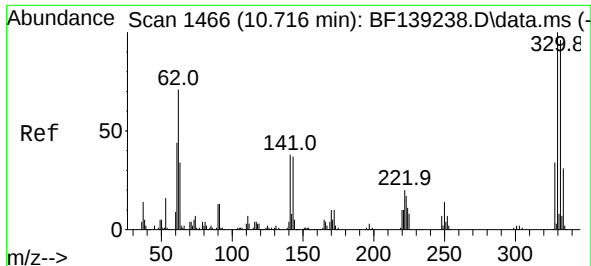
Ion Ratio Lower Upper

237 100

235 65.6 41.4 81.4

272 11.3 0.0 32.2





#42

2,4,6-Tribromophenol

Concen: 94.833 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139253.D

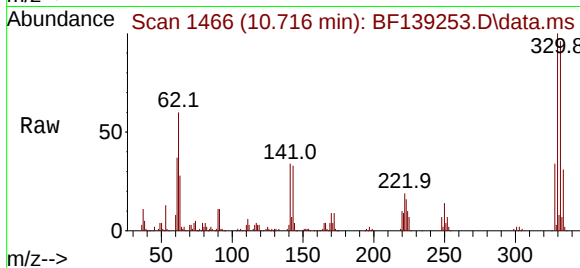
Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



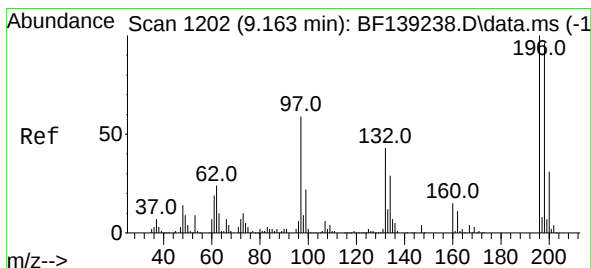
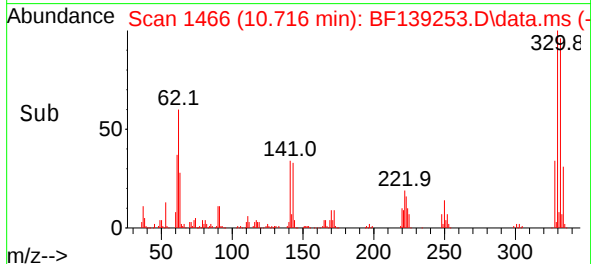
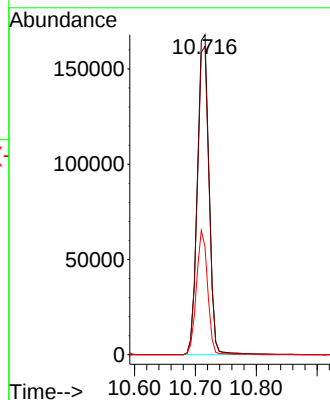
Tgt Ion:330 Resp: 223458

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 37.1 30.1 45.1



#43

2,4,6-Trichlorophenol

Concen: 4.269 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

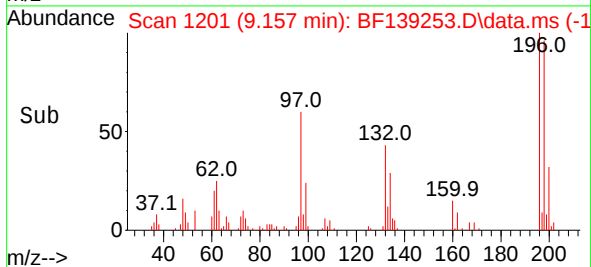
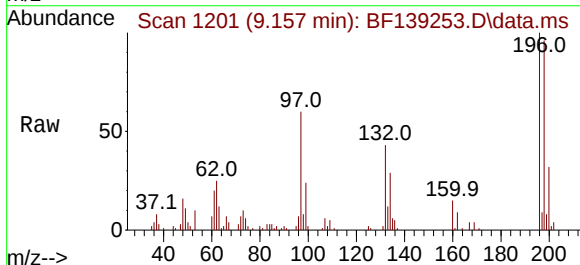
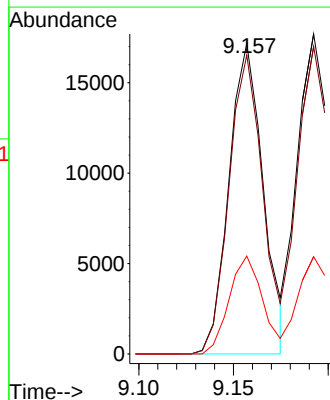
Tgt Ion:196 Resp: 21565

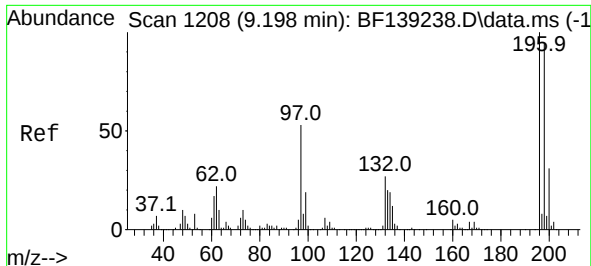
Ion Ratio Lower Upper

196 100

198 96.2 77.0 115.4

200 31.5 24.7 37.1





#44

2,4,5-Trichlorophenol

Concen: 4.317 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139253.D

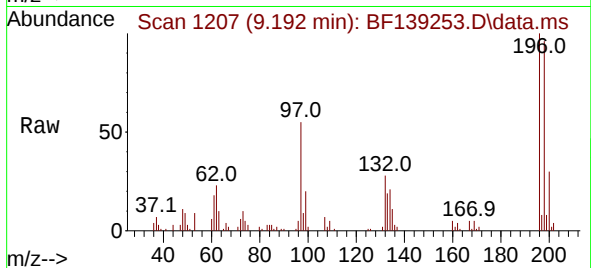
Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:196 Resp: 22851

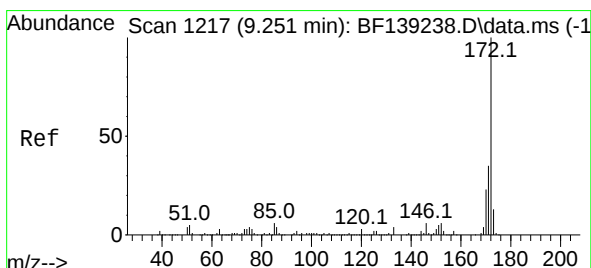
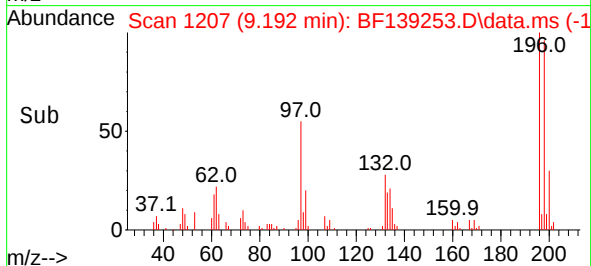
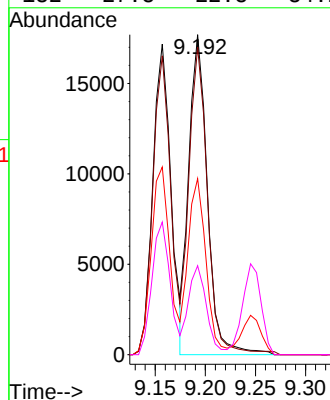
Ion Ratio Lower Upper

196 100

198 96.1 75.6 113.4

97 55.0 43.6 65.4

132 27.8 22.8 34.2



#45

2-Fluorobiphenyl

Concen: 73.564 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

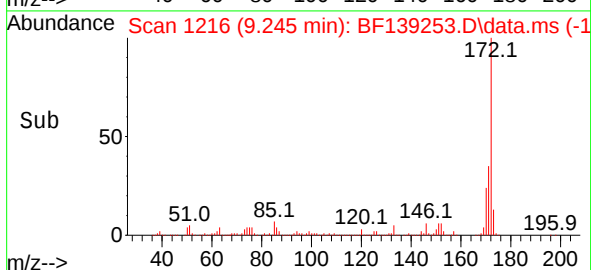
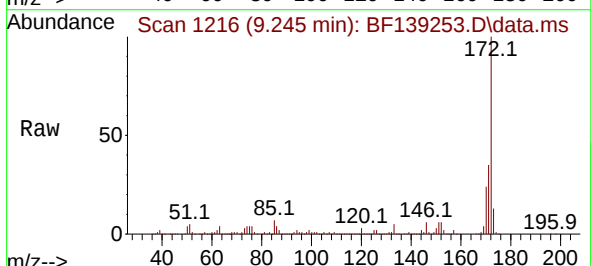
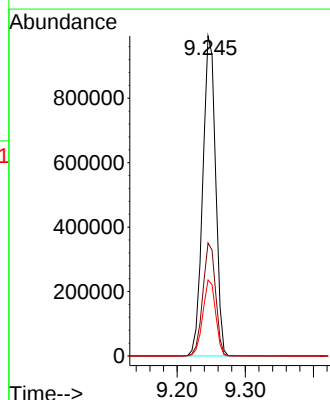
Tgt Ion:172 Resp: 1300417

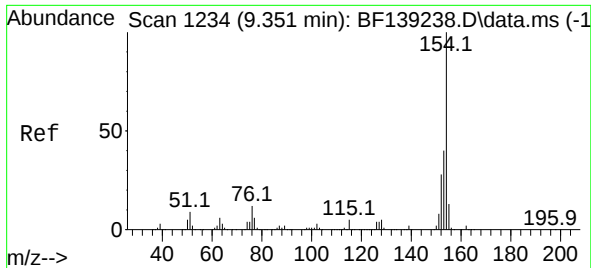
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.7 18.7 28.1





#46

1,1'-Biphenyl

Concen: 4.849 ng

RT: 9.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

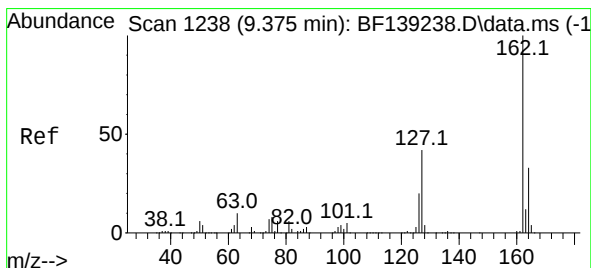
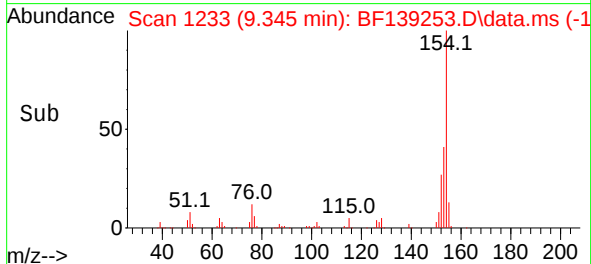
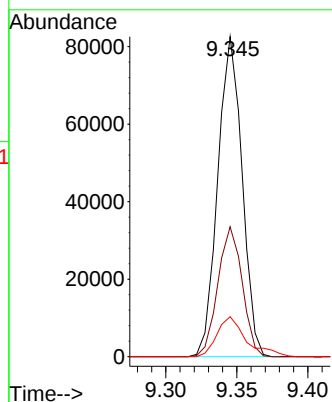
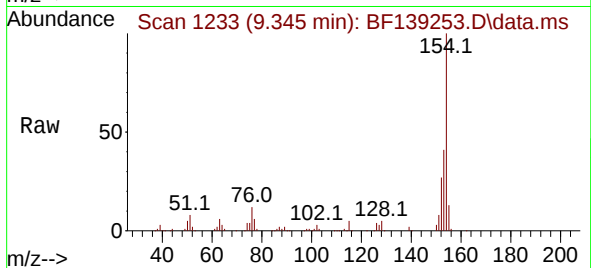
Tgt Ion:154 Resp: 98034

Ion Ratio Lower Upper

154 100

153 40.6 20.1 60.1

76 12.5 0.0 32.3



#47

2-Chloronaphthalene

Concen: 4.643 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

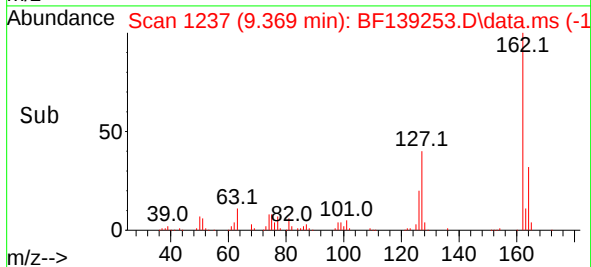
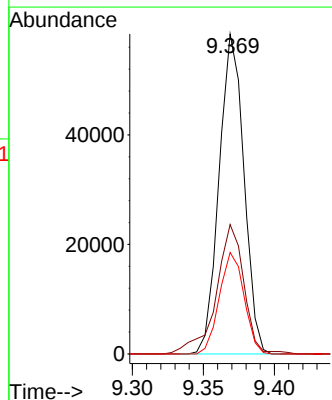
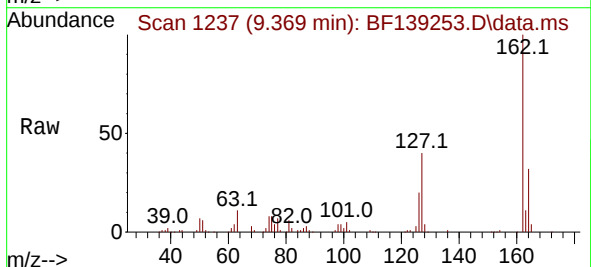
Tgt Ion:162 Resp: 70881

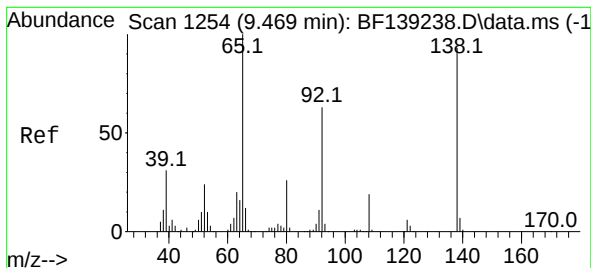
Ion Ratio Lower Upper

162 100

127 40.5 34.2 51.4

164 31.7 26.2 39.2





#48

2-Nitroaniline

Concen: 4.191 ng

RT: 9.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

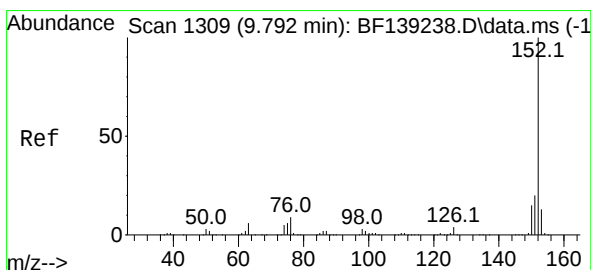
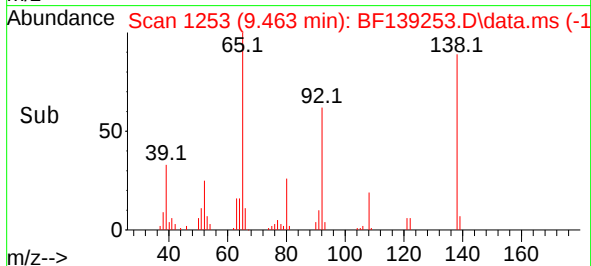
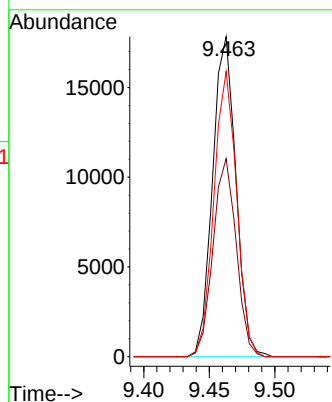
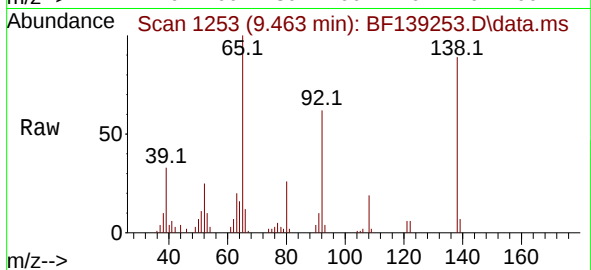
Tgt Ion: 65 Resp: 22037

Ion Ratio Lower Upper

65 100

92 61.9 50.4 75.6

138 89.1 74.2 111.4



#49

Acenaphthylene

Concen: 4.937 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

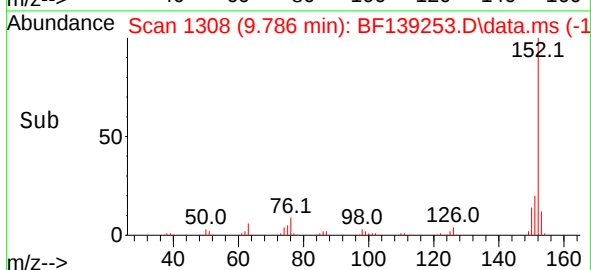
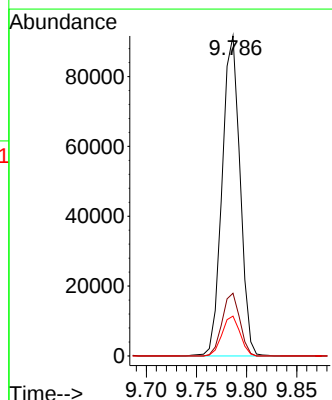
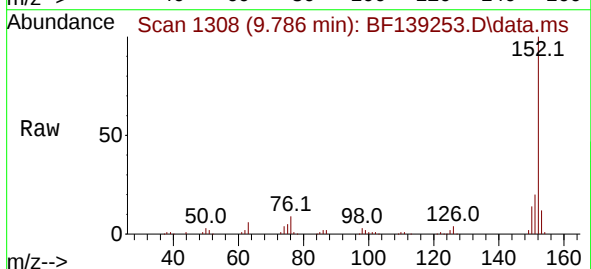
Tgt Ion: 152 Resp: 113504

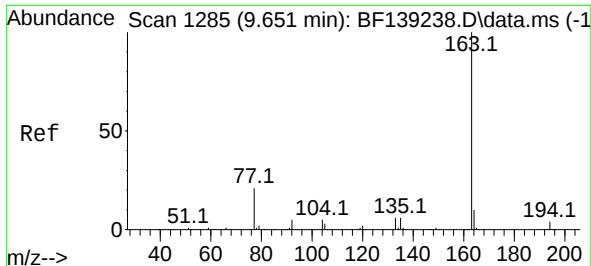
Ion Ratio Lower Upper

152 100

151 19.6 16.0 24.0

153 12.4 10.4 15.6

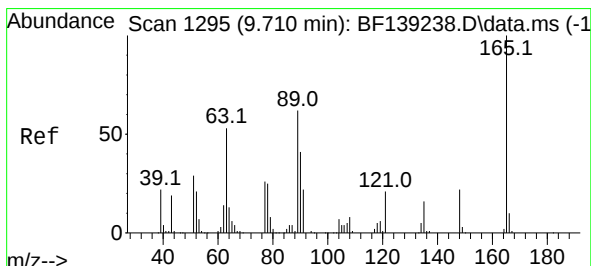
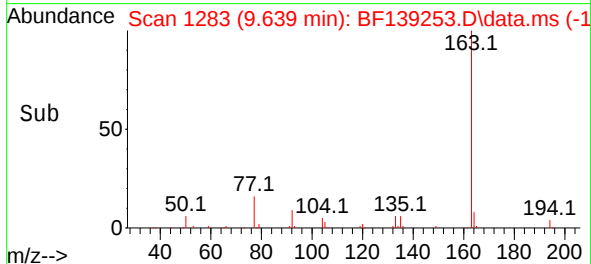
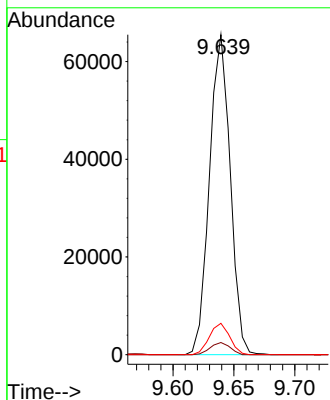
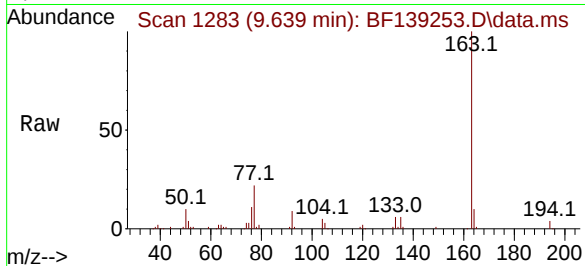




#50
Dimethylphthalate
Concen: 4.698 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

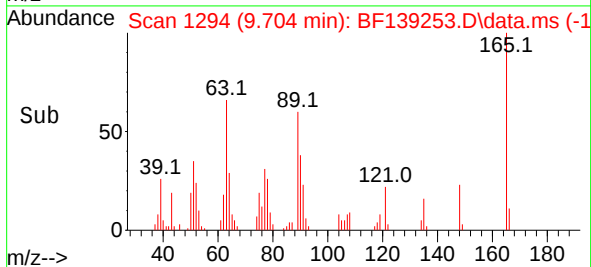
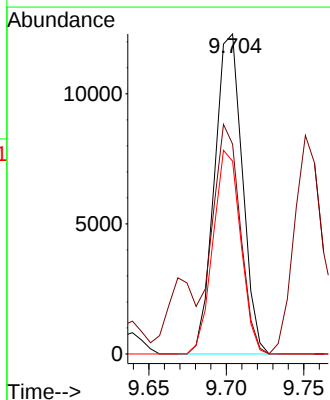
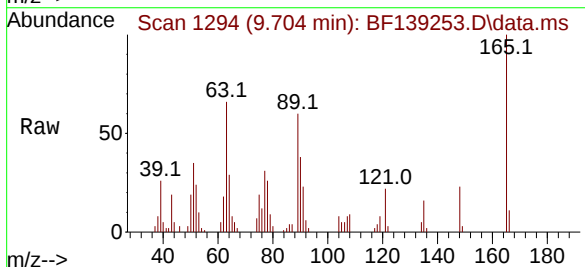
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

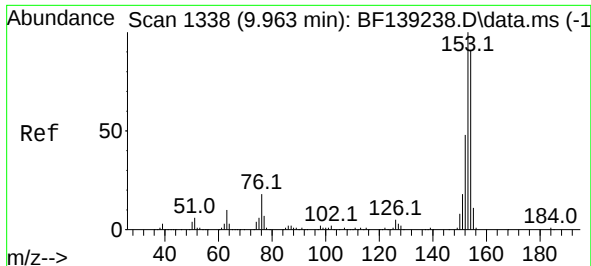
Tgt Ion:163 Resp: 77704
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 4.103 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:165 Resp: 15394
Ion Ratio Lower Upper
165 100
63 65.5 56.1 84.1
89 60.3 49.7 74.5





#52

Acenaphthene

Concen: 4.450 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

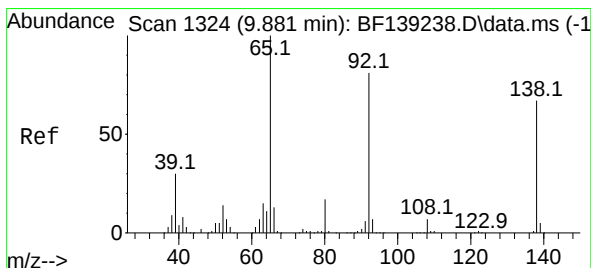
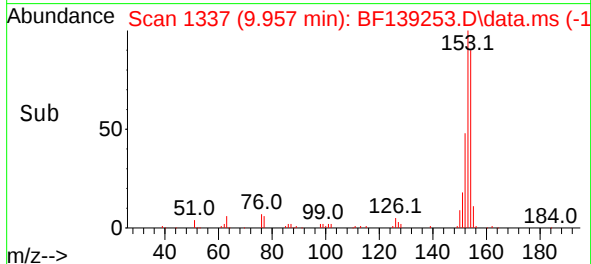
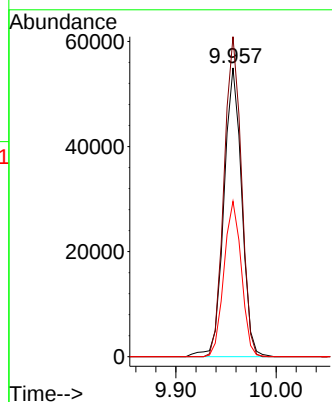
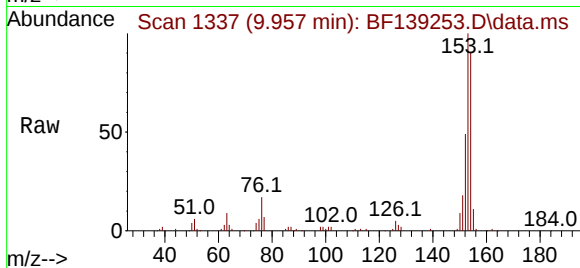
Tgt Ion:154 Resp: 67868

Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.6

152 53.8 41.7 62.5



#53

3-Nitroaniline

Concen: 4.237 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

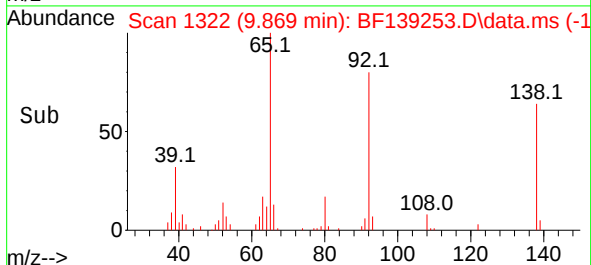
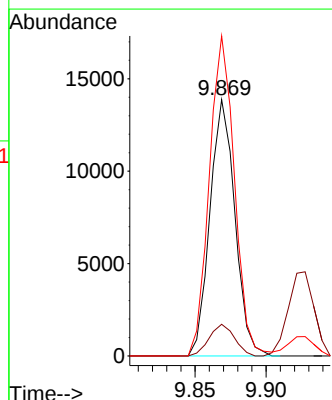
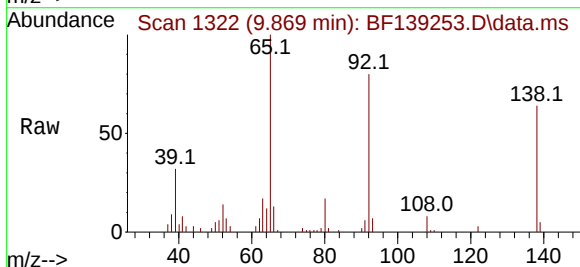
Tgt Ion:138 Resp: 16938

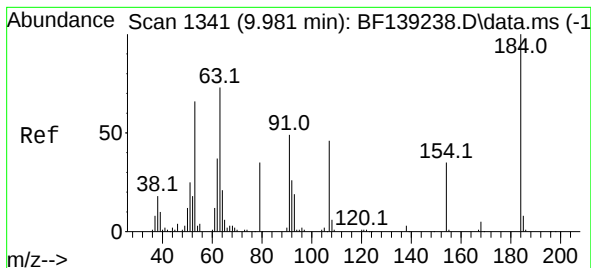
Ion Ratio Lower Upper

138 100

108 12.4 8.6 13.0

92 124.8 96.4 144.6





#54

2,4-Dinitrophenol

Concen: 8.425 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

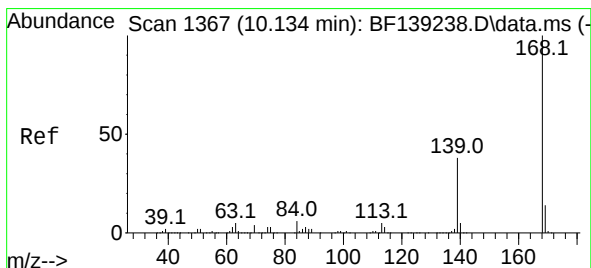
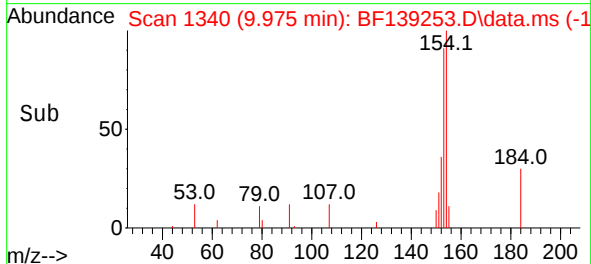
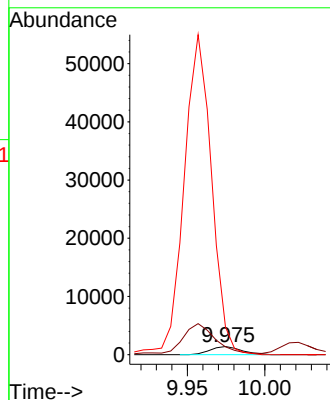
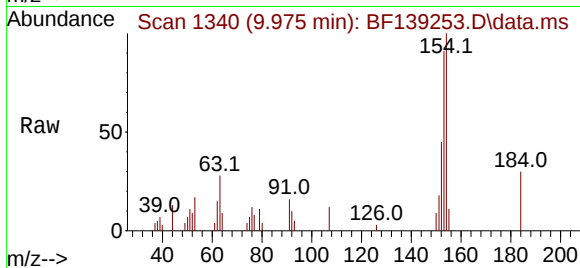
Tgt Ion:184 Resp: 1952

Ion Ratio Lower Upper

184 100

63 95.5 66.4 99.6

154 335.7 97.0 145.6#



#55

Dibenzofuran

Concen: 4.910 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

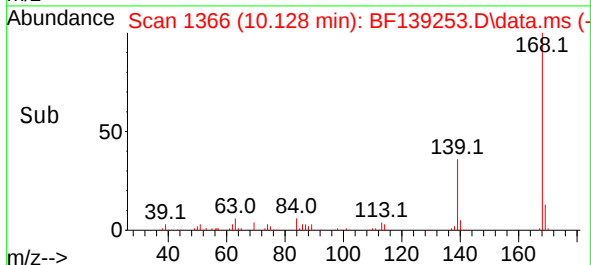
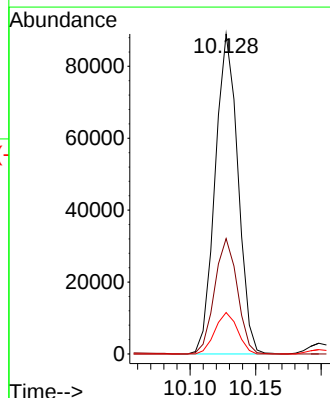
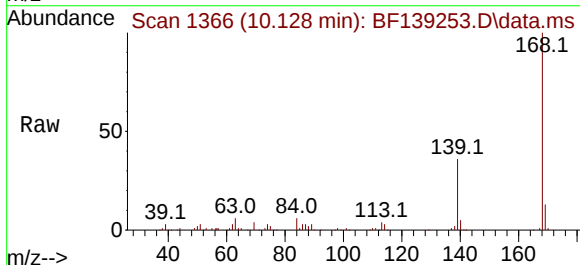
Tgt Ion:168 Resp: 107354

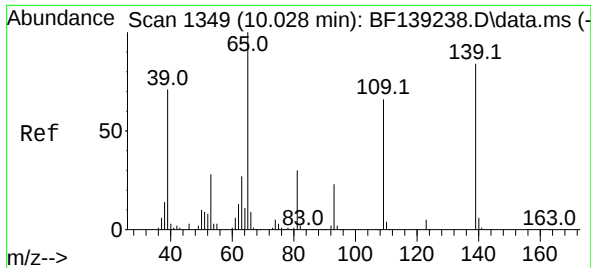
Ion Ratio Lower Upper

168 100

139 36.1 30.2 45.4

169 13.0 10.8 16.2

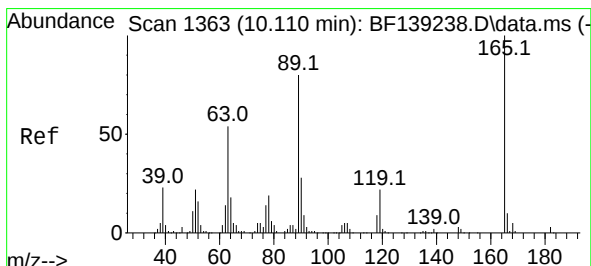
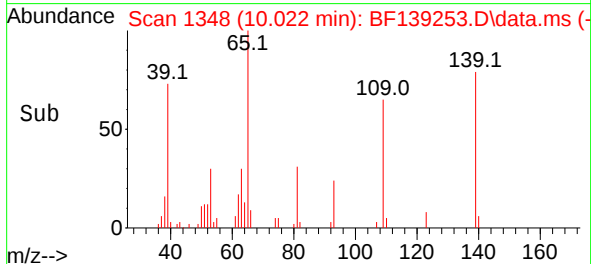
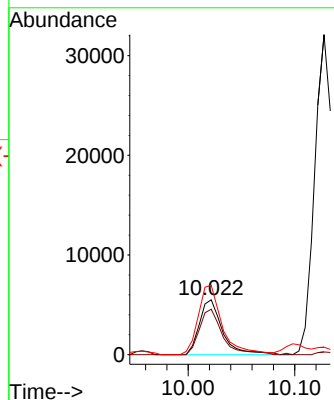
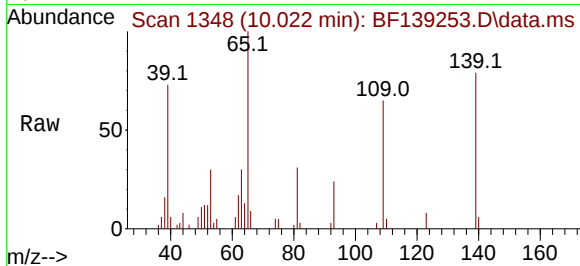




#56
4-Nitrophenol
Concen: 2.814 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

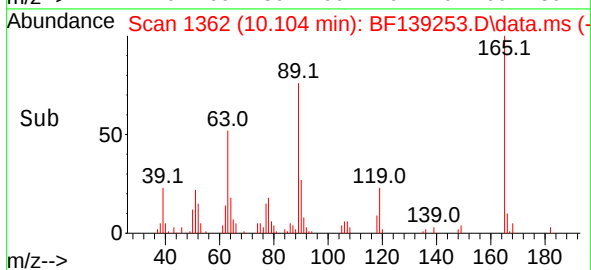
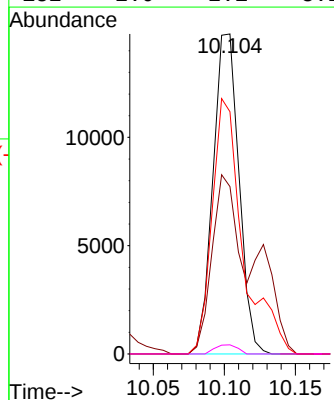
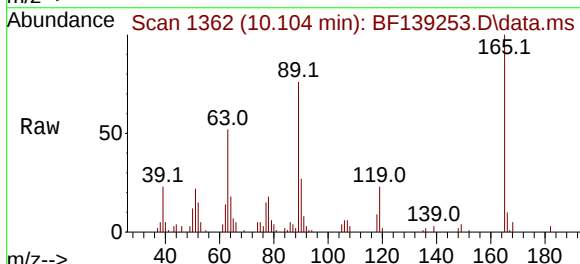
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

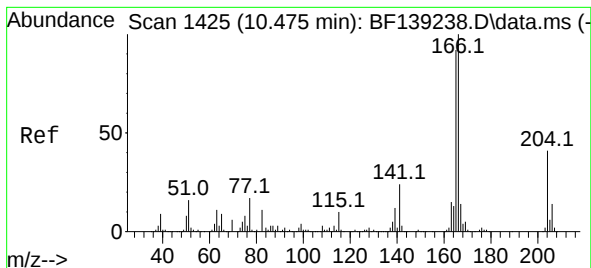
Tgt Ion:139 Resp: 8303
Ion Ratio Lower Upper
139 100
109 82.9 58.7 98.7
65 126.6 100.3 140.3



#57
2,4-Dinitrotoluene
Concen: 3.936 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:165 Resp: 18796
Ion Ratio Lower Upper
165 100
63 52.3 43.4 65.0
89 75.7 64.2 96.4
182 2.9 2.1 3.1





#58

Fluorene

Concen: 4.821 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

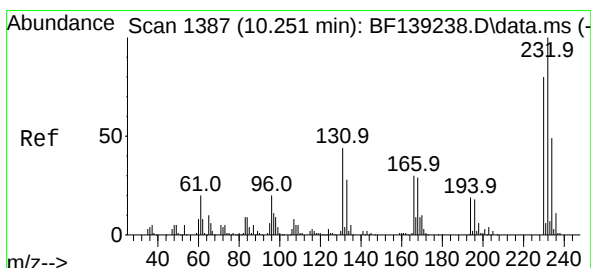
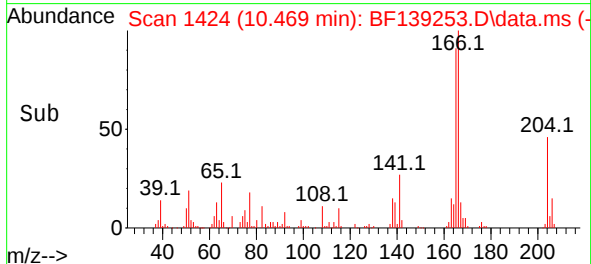
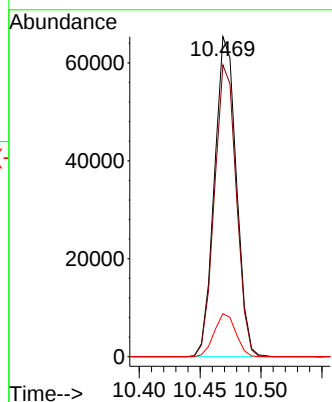
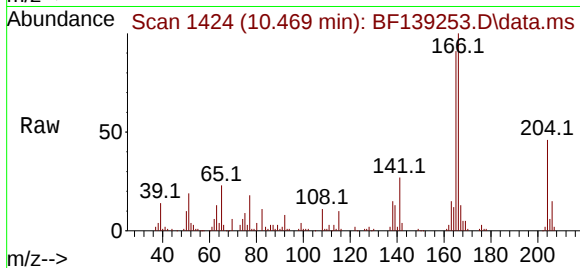
Tgt Ion:166 Resp: 81726

Ion Ratio Lower Upper

166 100

165 91.1 73.7 110.5

167 13.5 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.348 ng

RT: 10.245 min Scan# 1386

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Tgt Ion:232 Resp: 18117

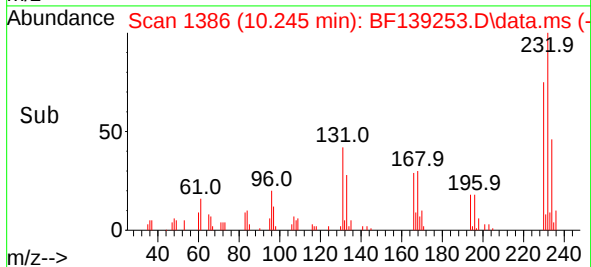
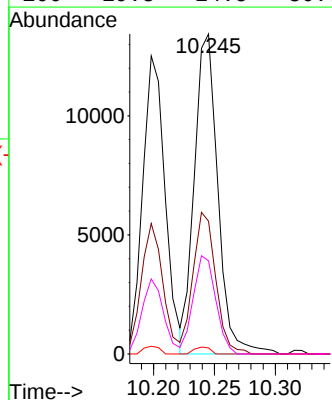
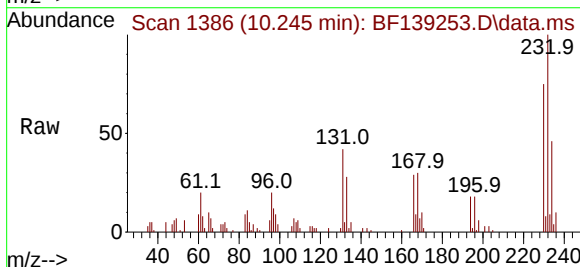
Ion Ratio Lower Upper

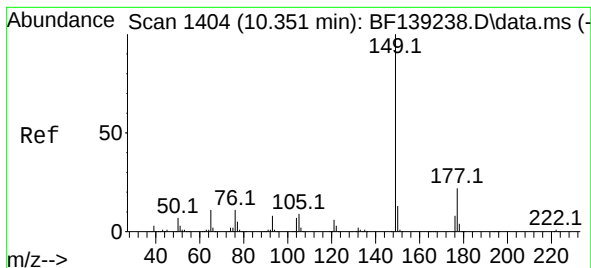
232 100

131 42.6 37.7 56.5

130 1.5 1.9 2.9#

166 29.3 24.5 36.7





#60

Diethylphthalate

Concen: 4.519 ng

RT: 10.339 min Scan# 1402

Delta R.T. -0.012 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

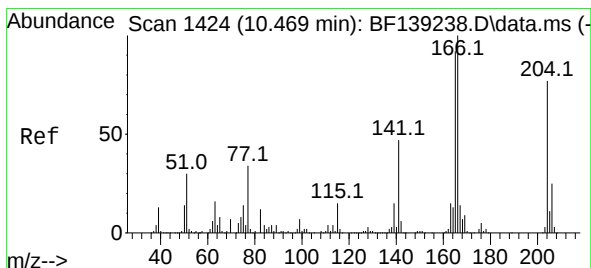
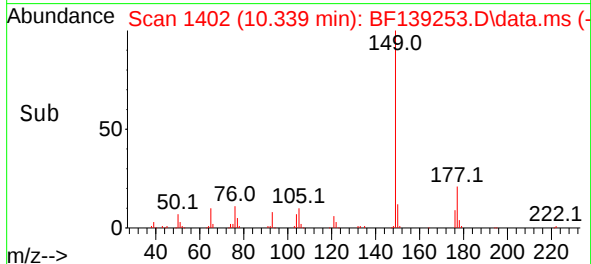
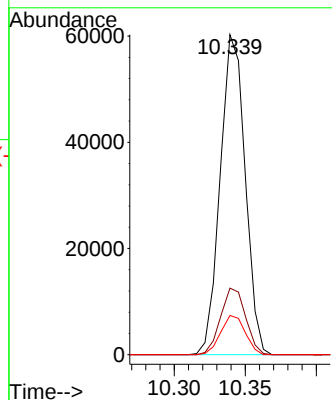
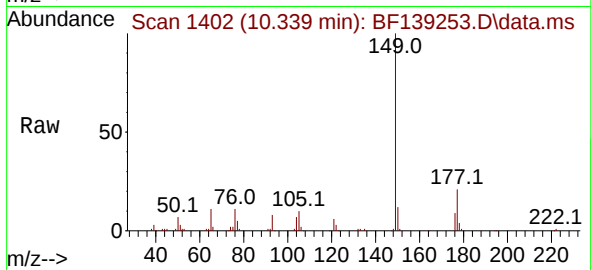
Tgt Ion:149 Resp: 73552

Ion Ratio Lower Upper

149 100

177 20.8 17.7 26.5

150 12.3 10.2 15.2



#61

4-Chlorophenyl-phenylether

Concen: 4.681 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

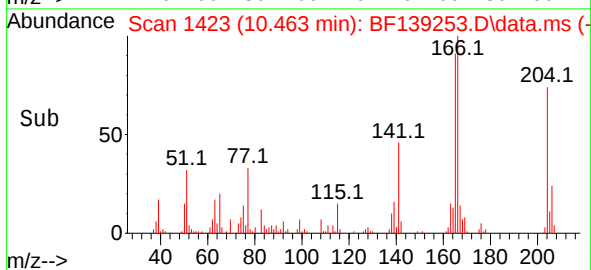
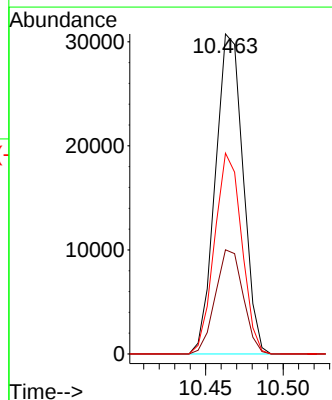
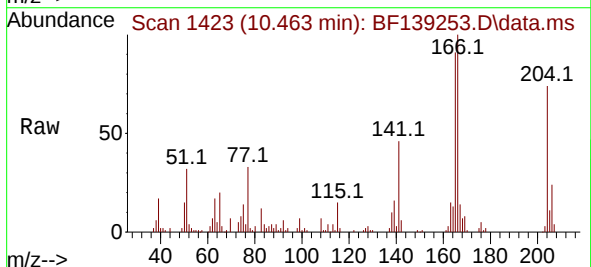
Tgt Ion:204 Resp: 38267

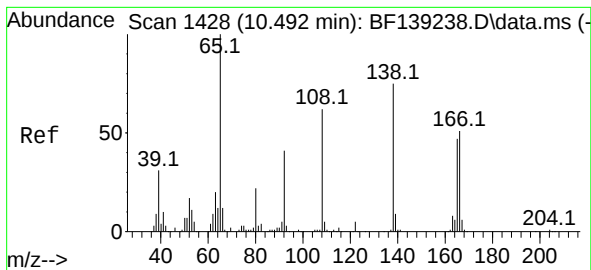
Ion Ratio Lower Upper

204 100

206 32.5 25.8 38.8

141 62.8 48.6 72.8

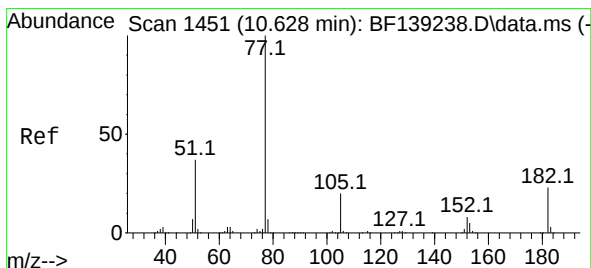
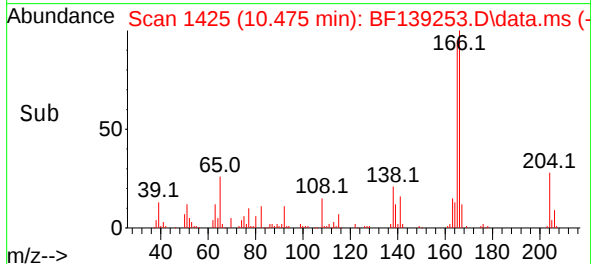
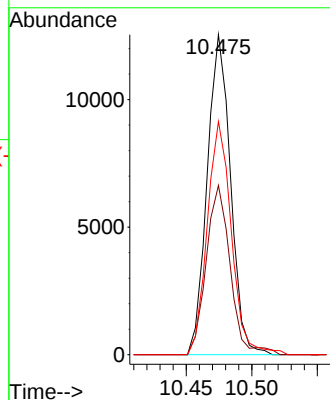
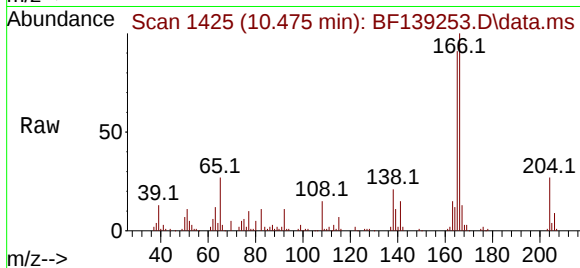




#62
4-Nitroaniline
Concen: 4.083 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

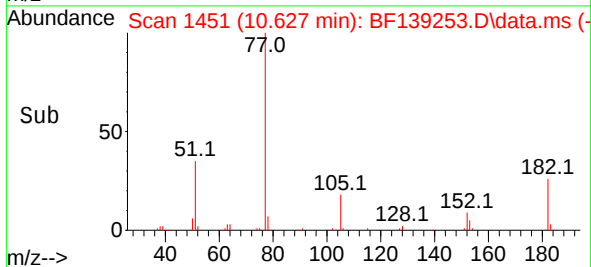
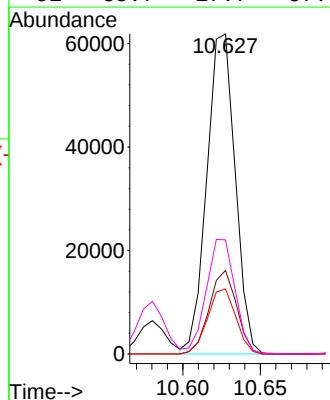
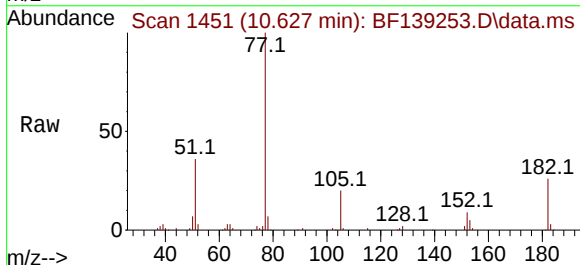
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

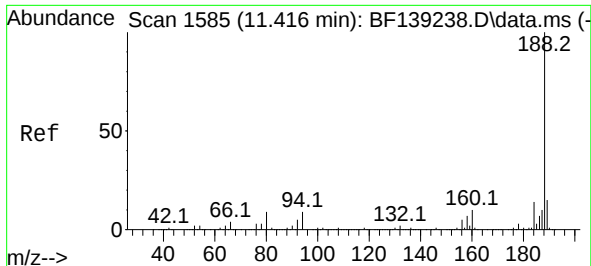
Tgt Ion:138 Resp: 15537
Ion Ratio Lower Upper
138 100
92 52.9 34.4 74.4
108 72.9 62.7 102.7



#63
Azobenzene
Concen: 4.594 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion: 77 Resp: 78811
Ion Ratio Lower Upper
77 100
182 26.1 3.0 43.0
105 20.4 0.0 39.4
51 35.7 17.7 57.7

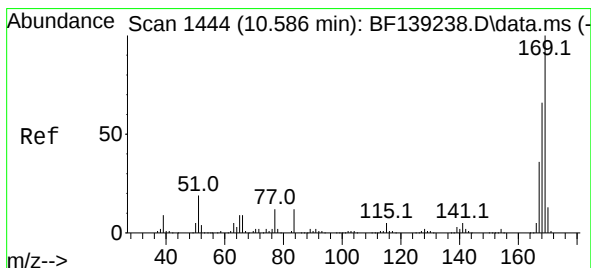
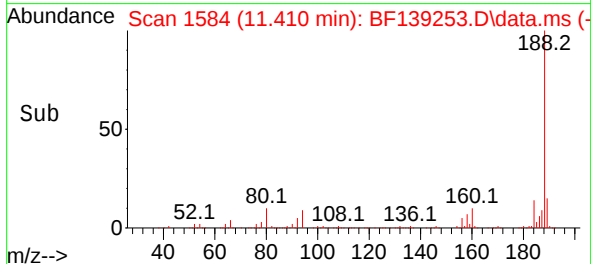
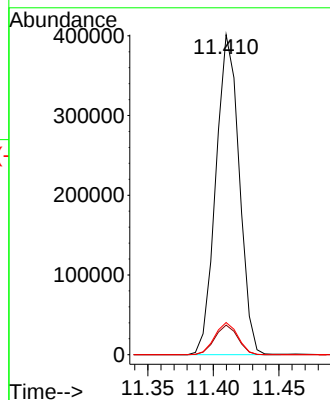
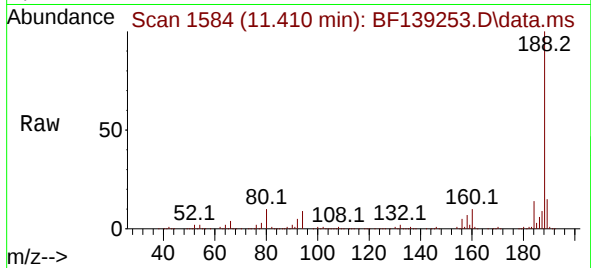




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

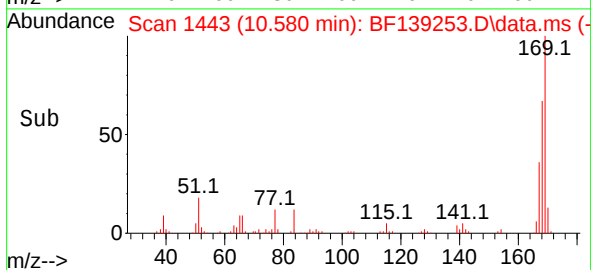
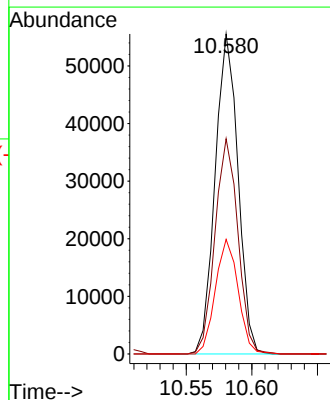
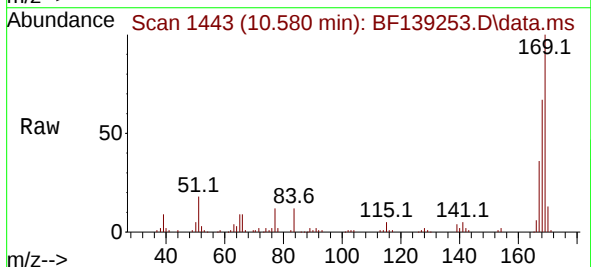
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

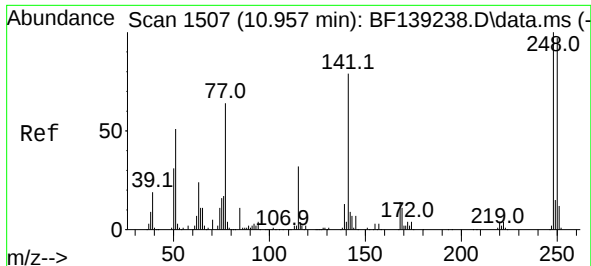
Tgt Ion:188 Resp: 497374
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 10.1 7.3 10.9



#66
n-Nitrosodiphenylamine
Concen: 4.651 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:169 Resp: 67331
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 35.8 29.0 43.6

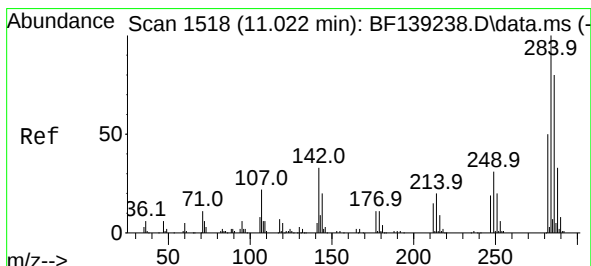
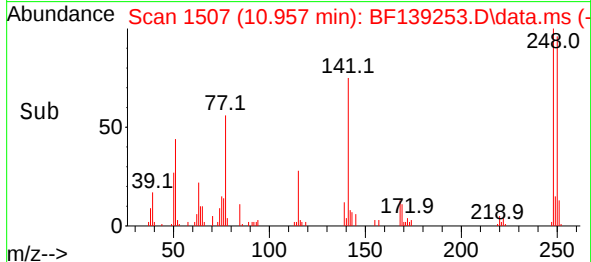
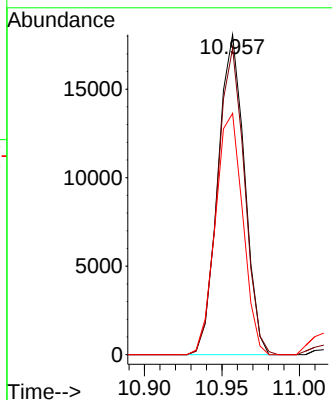
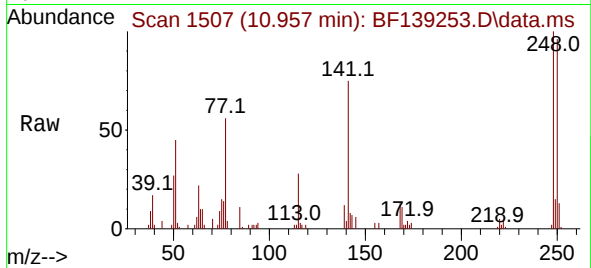




#67
4-Bromophenyl-phenylether
Concen: 4.468 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

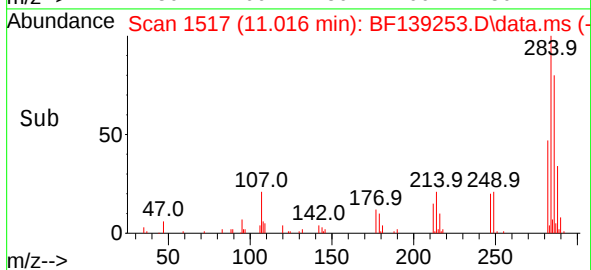
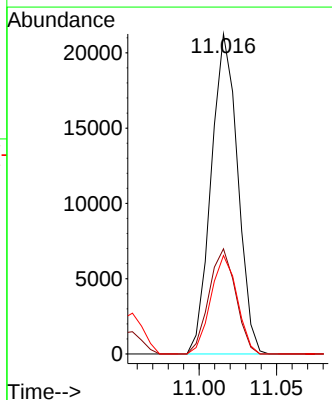
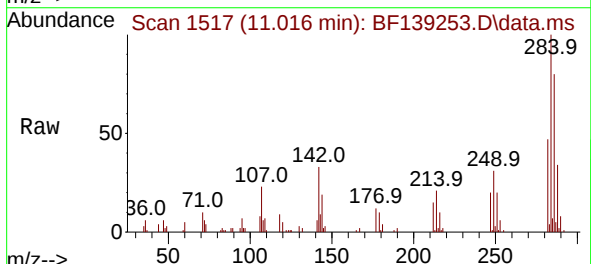
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

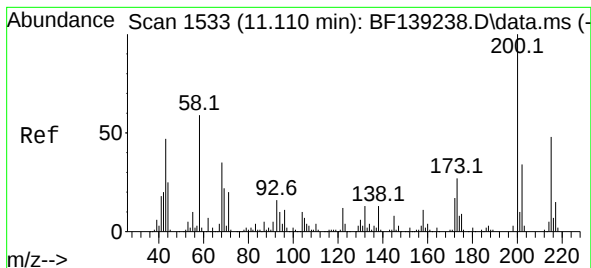
Tgt Ion:248 Resp: 21561
Ion Ratio Lower Upper
248 100
250 95.8 77.2 115.8
141 75.4 63.6 95.4



#68
Hexachlorobenzene
Concen: 4.574 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:284 Resp: 25268
Ion Ratio Lower Upper
284 100
142 32.9 26.5 39.7
249 30.7 24.8 37.2





#69

Atrazine

Concen: 5.577 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

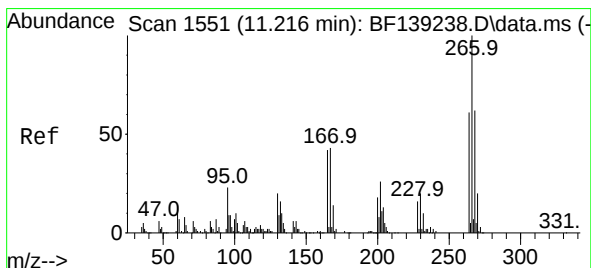
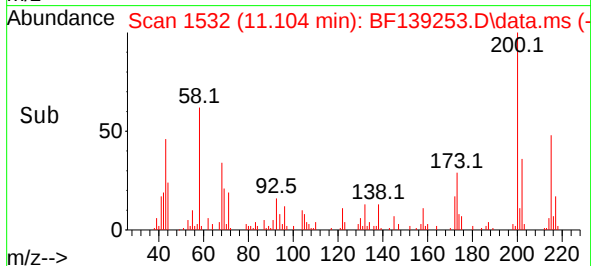
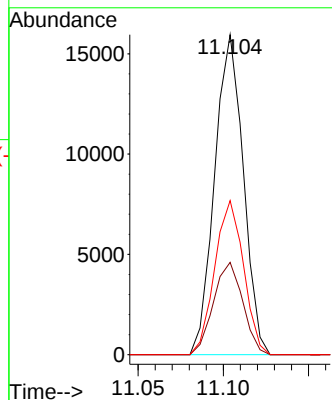
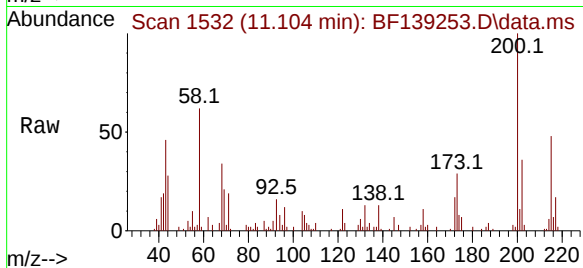
Tgt Ion:200 Resp: 18630

Ion Ratio Lower Upper

200 100

173 28.8 7.1 47.1

215 48.2 28.5 68.5



#70

Pentachlorophenol

Concen: 2.457 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

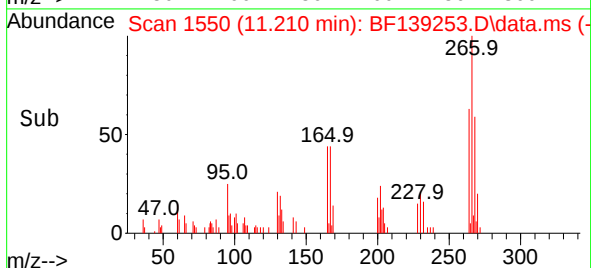
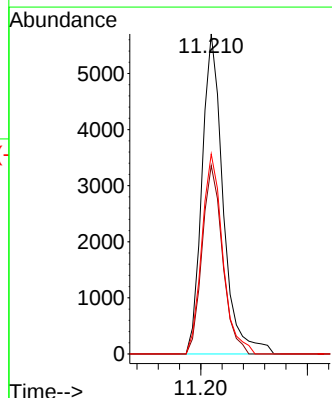
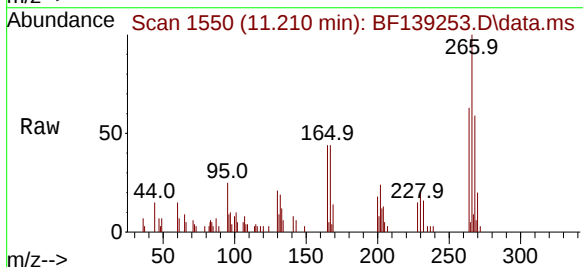
Tgt Ion:266 Resp: 7840

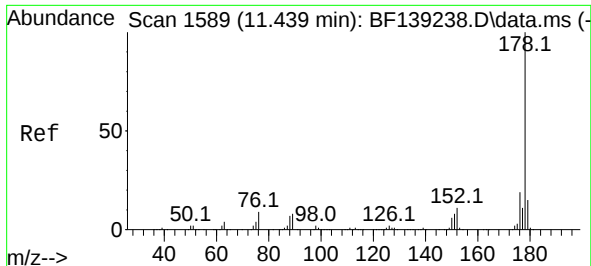
Ion Ratio Lower Upper

266 100

268 58.9 49.7 74.5

264 62.5 49.2 73.8

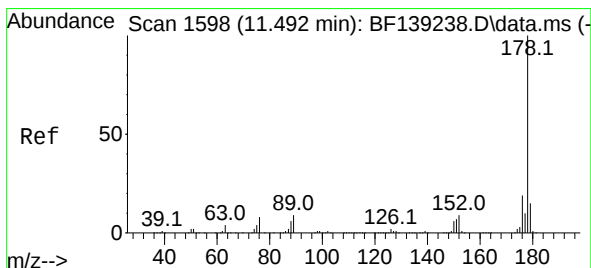
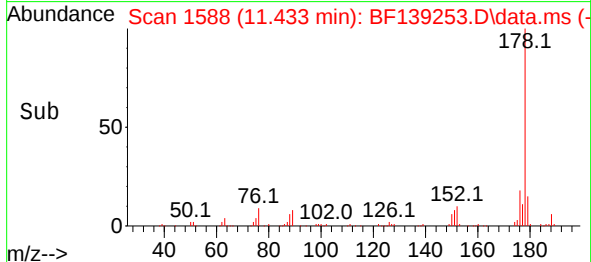
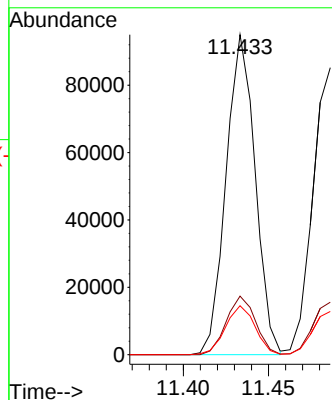
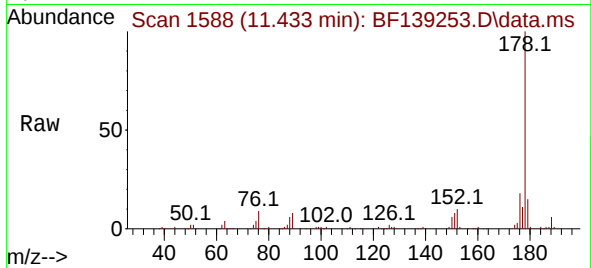




#71
Phenanthrene
Concen: 4.863 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

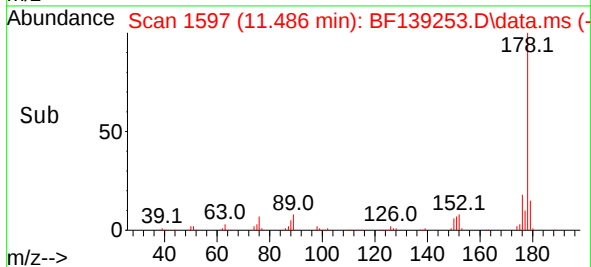
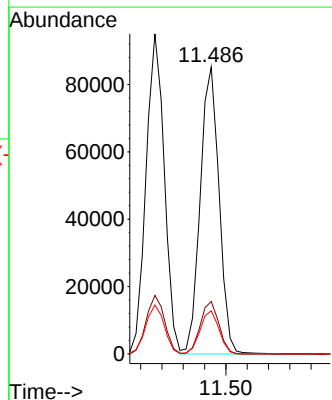
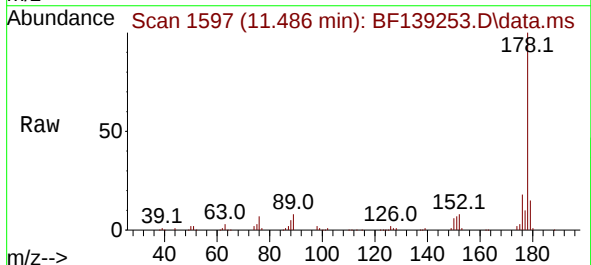
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

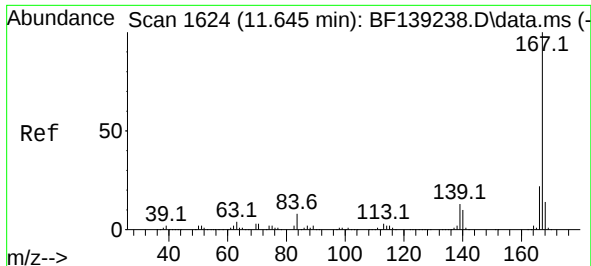
Tgt Ion:178 Resp: 112990
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.3 12.3 18.5



#72
Anthracene
Concen: 4.624 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

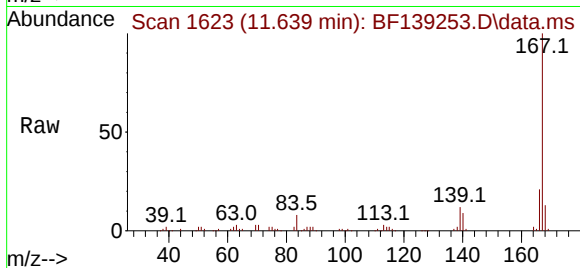
Tgt Ion:178 Resp: 104964
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.1 12.3 18.5



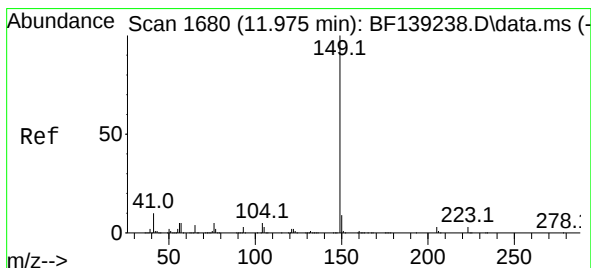
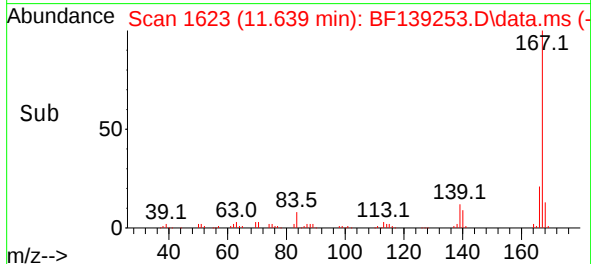
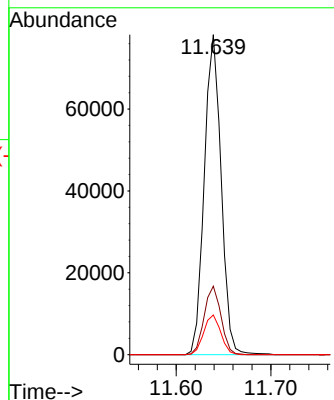


#73
Carbazole
Concen: 4.536 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

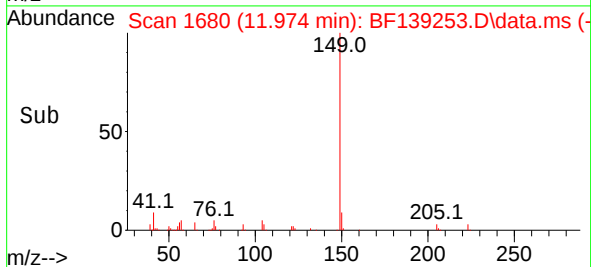
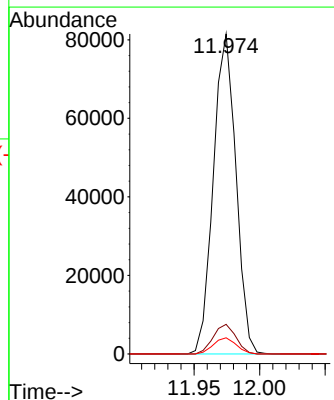
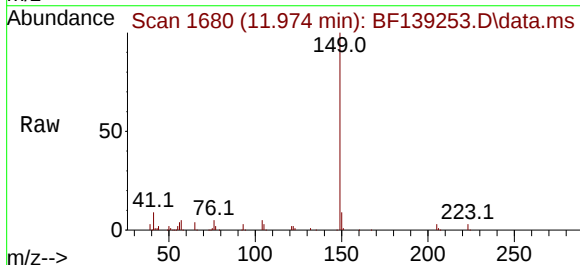


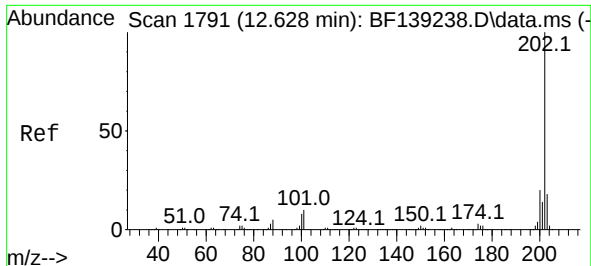
Tgt Ion:167 Resp: 96226
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 12.4 10.2 15.4



#74
Di-n-butylphthalate
Concen: 4.488 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:149 Resp: 97490
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.0 3.9 5.9

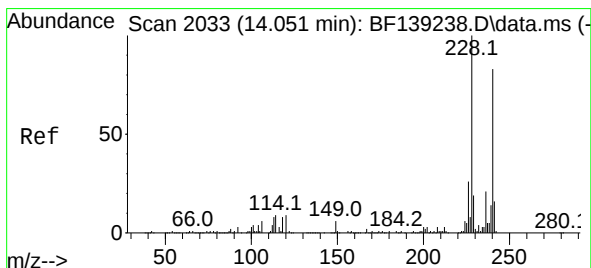
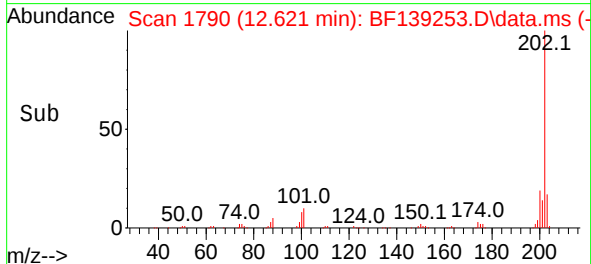
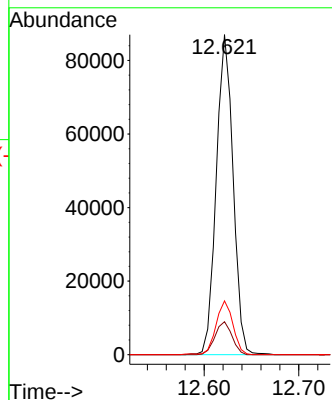
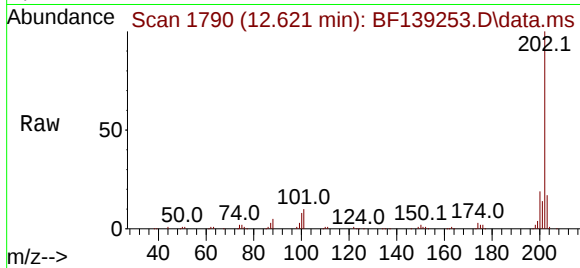




#75
Fluoranthene
Concen: 4.618 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

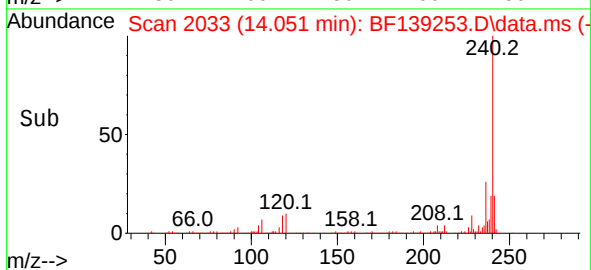
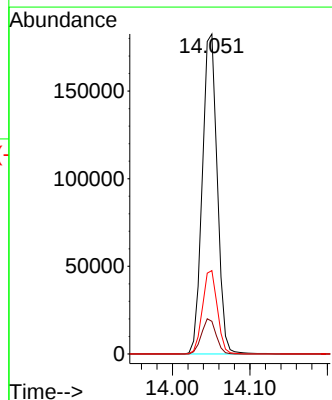
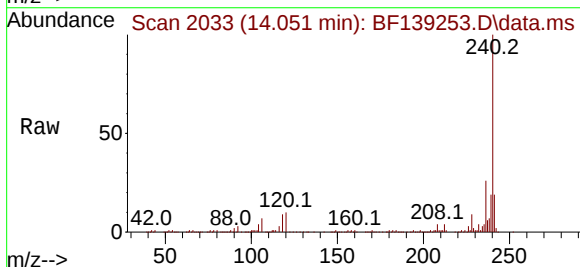
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

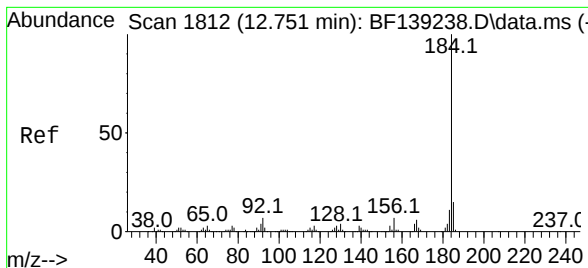
Tgt Ion:202 Resp: 107577
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.9
203 16.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:240 Resp: 244312
Ion Ratio Lower Upper
240 100
120 10.2 8.6 12.8
236 26.1 20.7 31.1





#77

Benzidine

Concen: 2.673 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

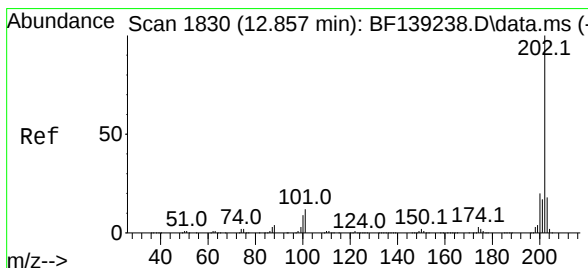
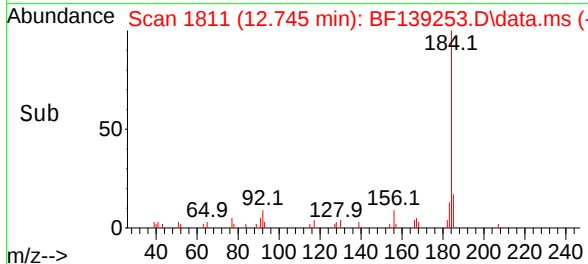
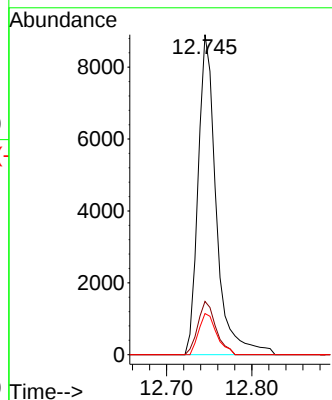
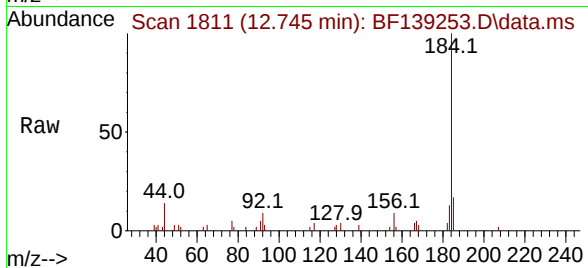
Tgt Ion:184 Resp: 13148

Ion Ratio Lower Upper

184 100

185 16.6 11.9 17.9

183 12.8 8.8 13.2



#78

Pyrene

Concen: 4.607 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

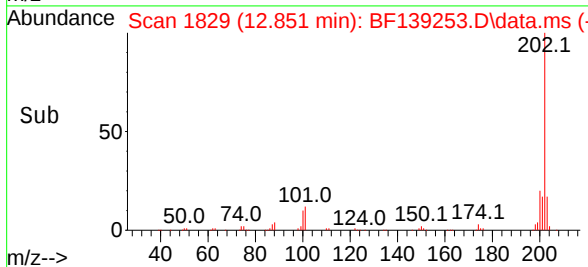
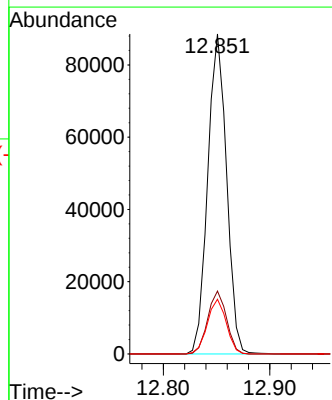
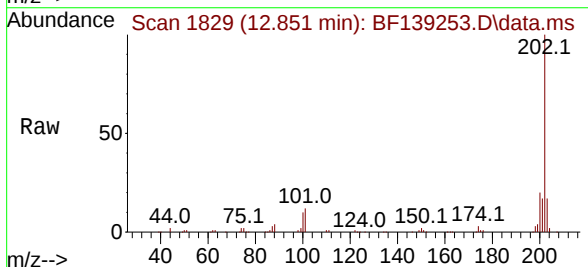
Tgt Ion:202 Resp: 108738

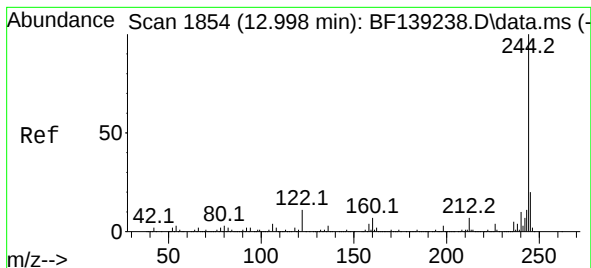
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

203 17.1 14.1 21.1





#79

Terphenyl-d14

Concen: 76.414 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139253.D

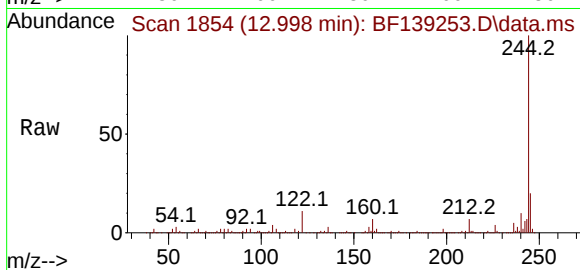
Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



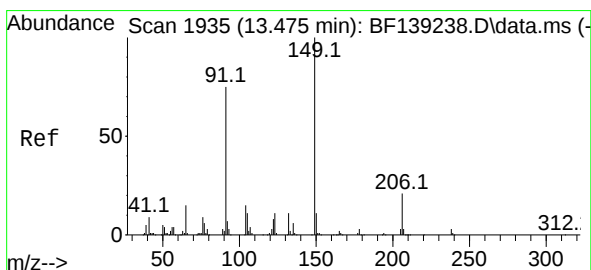
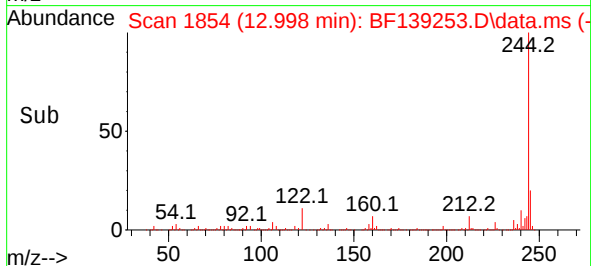
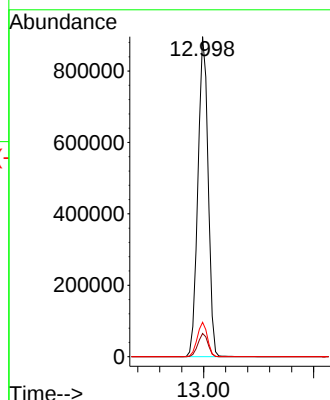
Tgt Ion:244 Resp: 1156260

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.7 8.7 13.1



#80

Butylbenzylphthalate

Concen: 3.965 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

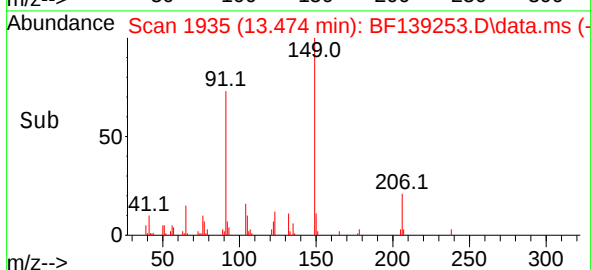
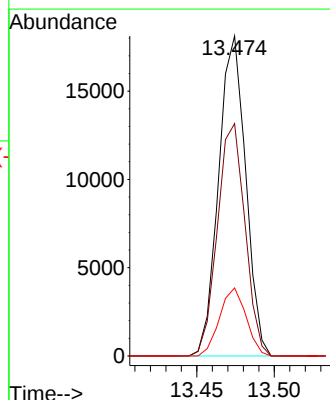
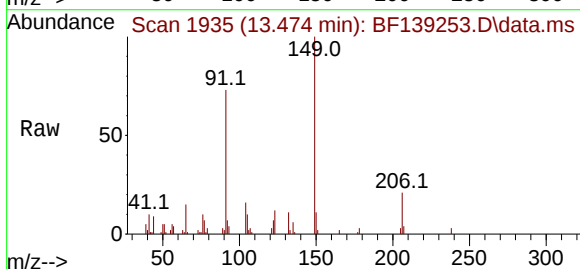
Tgt Ion:149 Resp: 22027

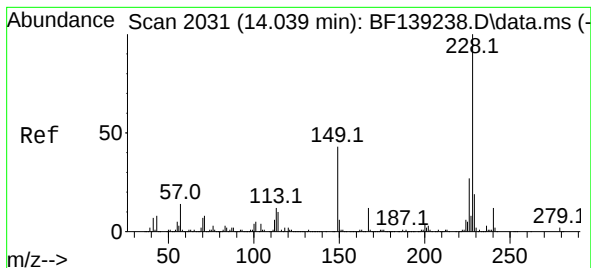
Ion Ratio Lower Upper

149 100

91 72.6 60.3 90.5

206 21.3 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.579 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

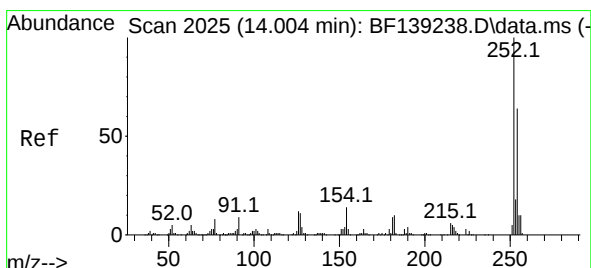
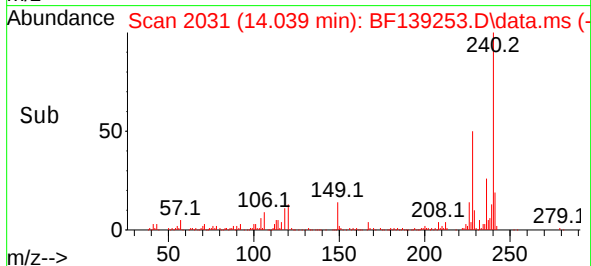
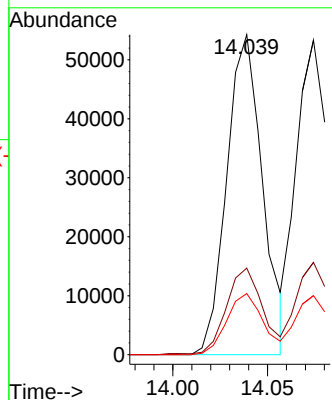
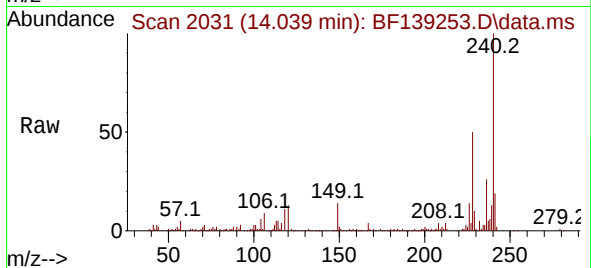
Tgt Ion:228 Resp: 71441

Ion Ratio Lower Upper

228 100

226 27.0 21.5 32.3

229 19.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 4.376 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

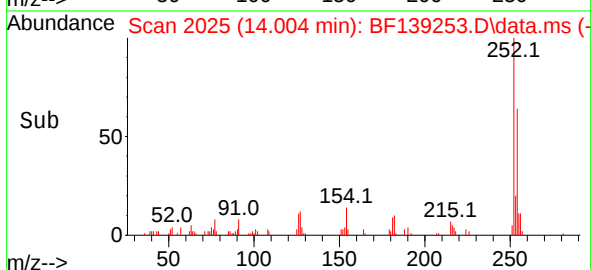
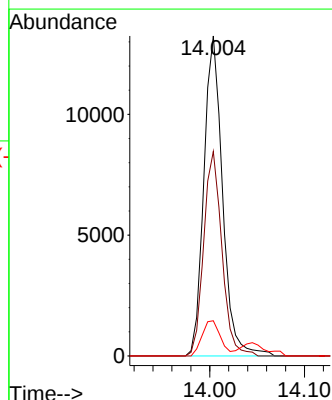
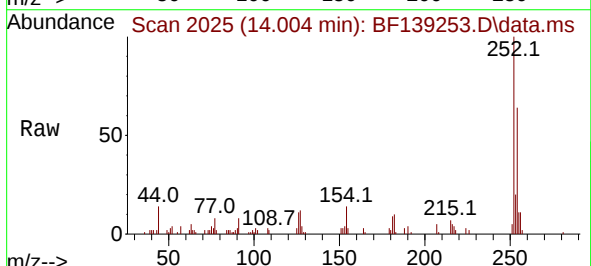
Tgt Ion:252 Resp: 18128

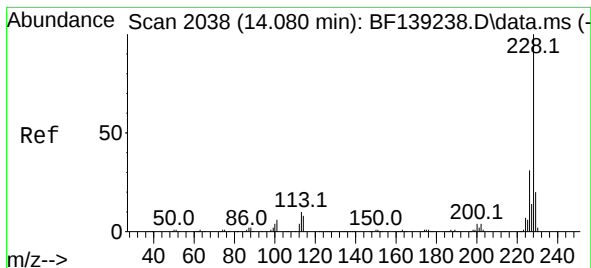
Ion Ratio Lower Upper

252 100

254 63.9 51.5 77.3

126 11.0 9.2 13.8





#83

Chrysene

Concen: 4.530 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

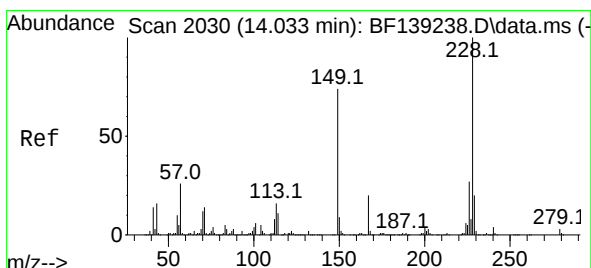
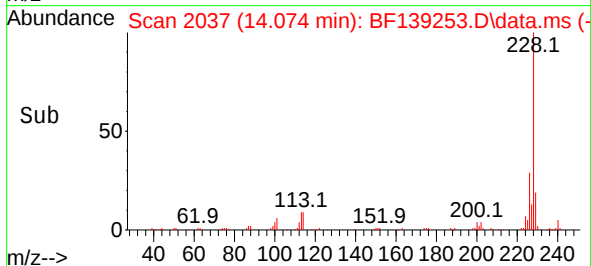
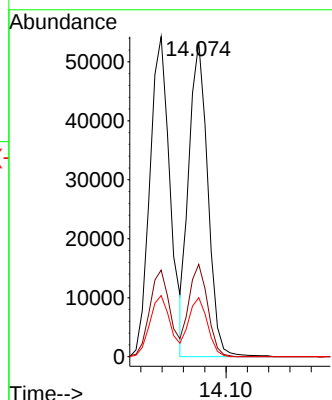
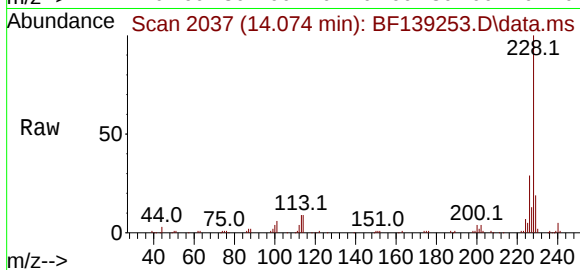
Tgt Ion:228 Resp: 65956

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.8

229 18.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.768 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

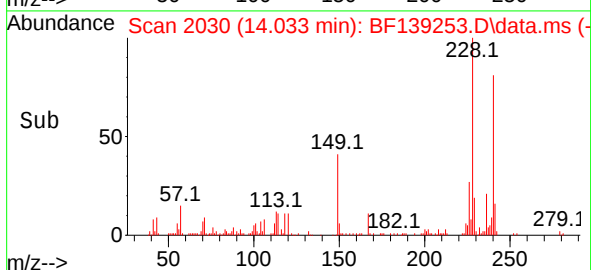
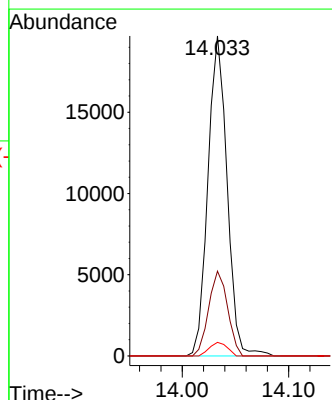
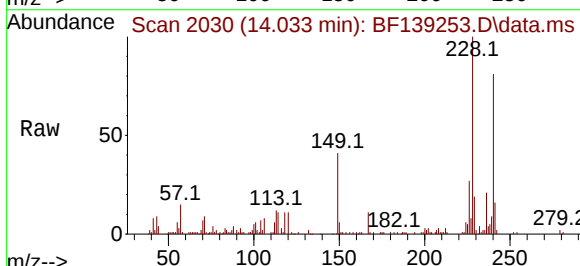
Tgt Ion:149 Resp: 24571

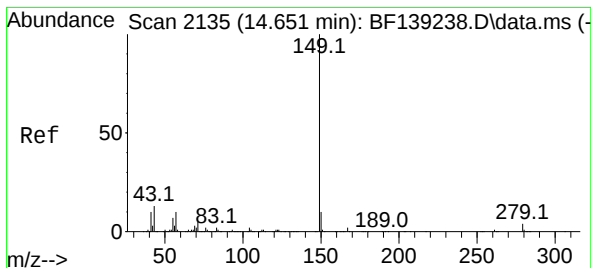
Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.6

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 3.070 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

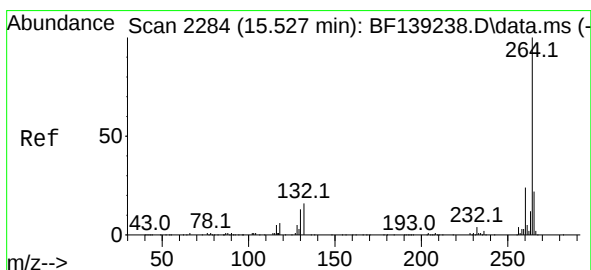
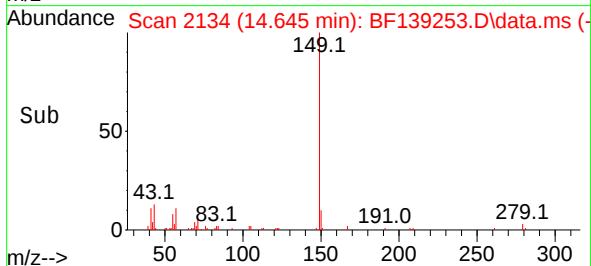
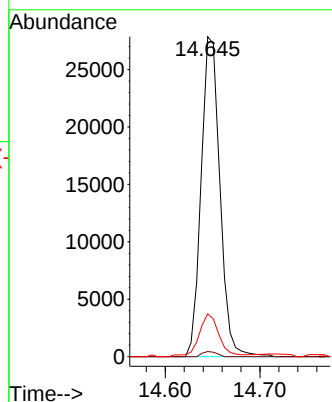
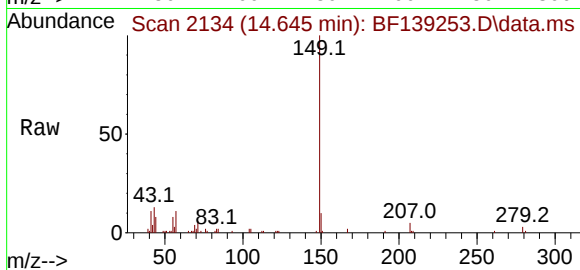
Tgt Ion:149 Resp: 38332

Ion Ratio Lower Upper

149 100

167 1.3 1.3 1.9#

43 14.4 10.9 16.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

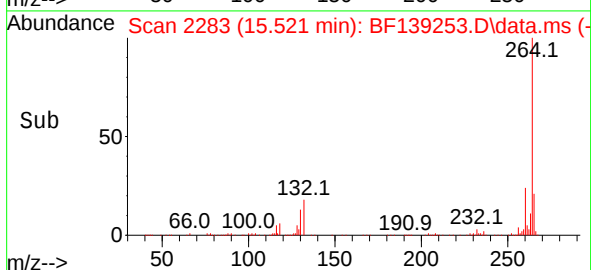
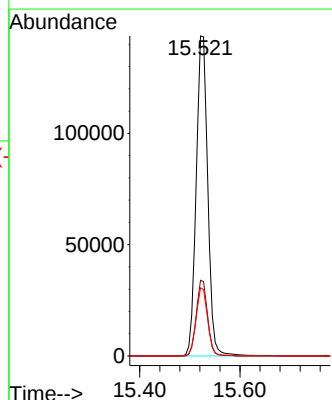
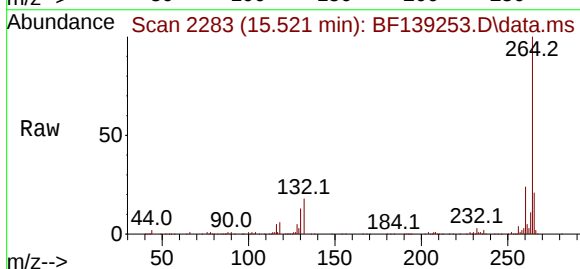
Tgt Ion:264 Resp: 229916

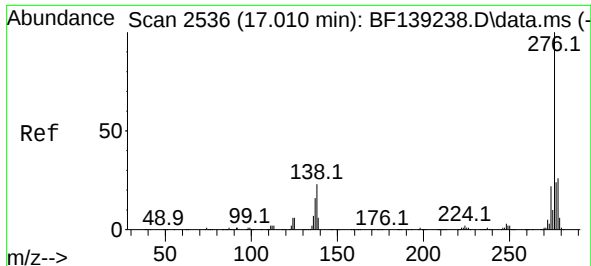
Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

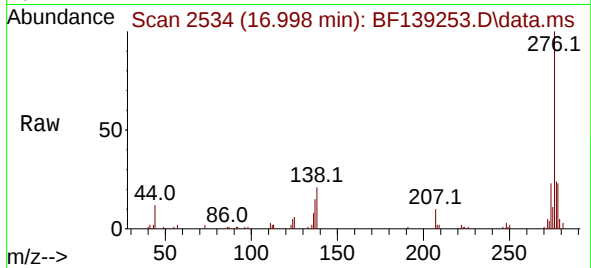
265 21.3 17.3 25.9



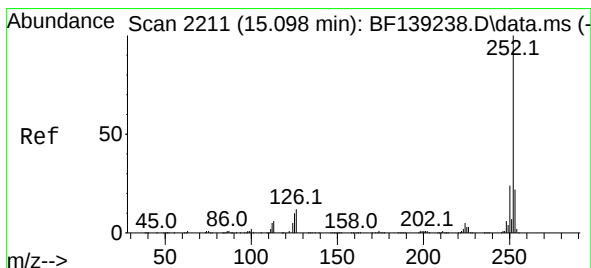
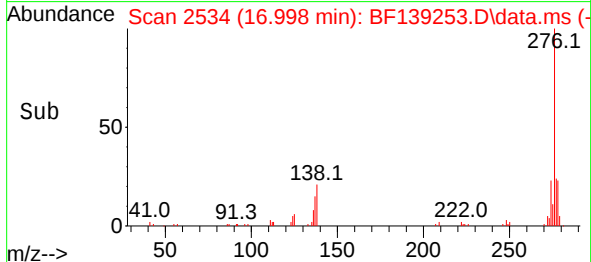
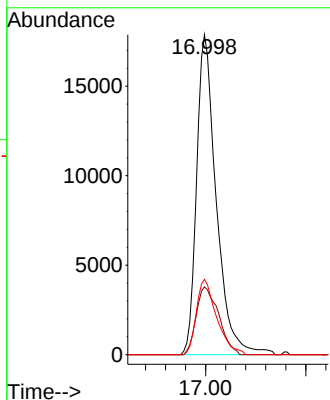


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.386 ng
RT: 16.998 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

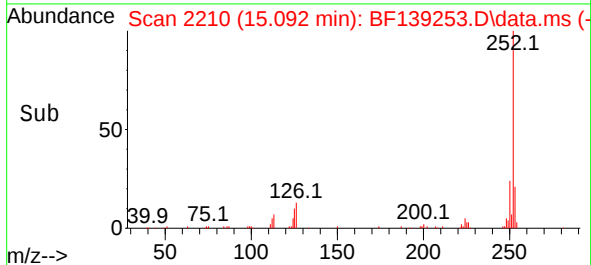
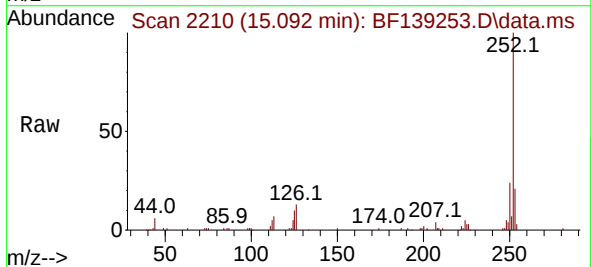
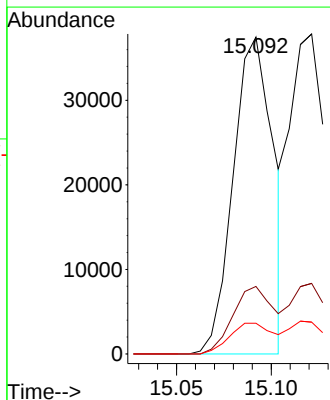


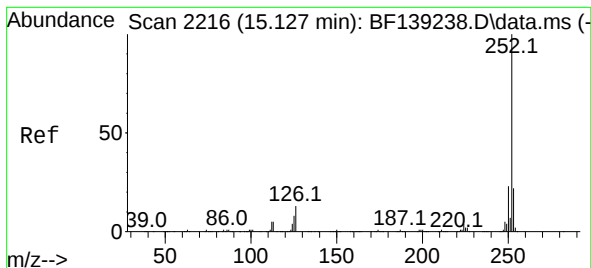
Tgt Ion:276 Resp: 48637
Ion Ratio Lower Upper
276 100
138 24.2 20.4 30.6
277 24.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 4.153 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:252 Resp: 54986
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 9.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 4.628 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

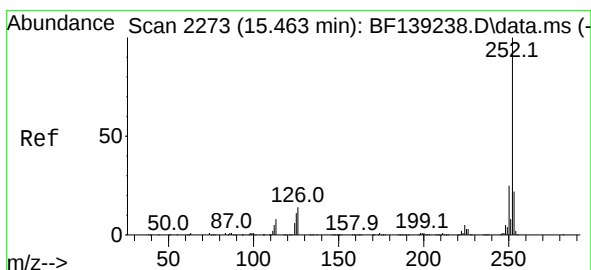
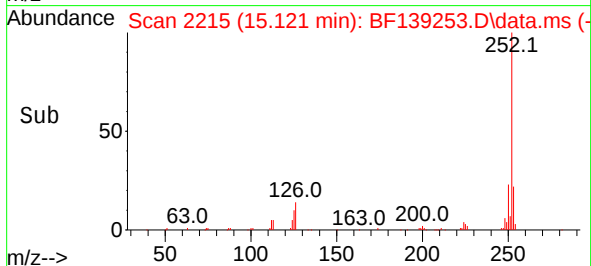
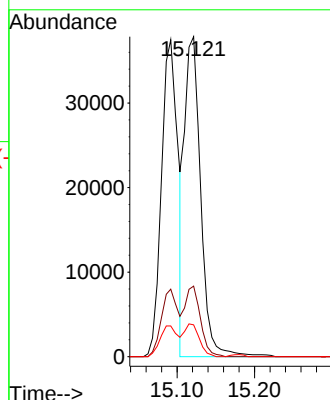
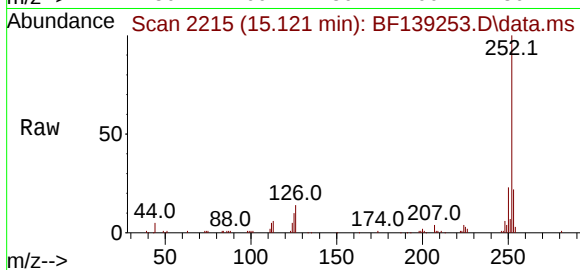
Tgt Ion:252 Resp: 54949

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 4.329 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139253.D

Acq: 05 Sep 2024 10:35

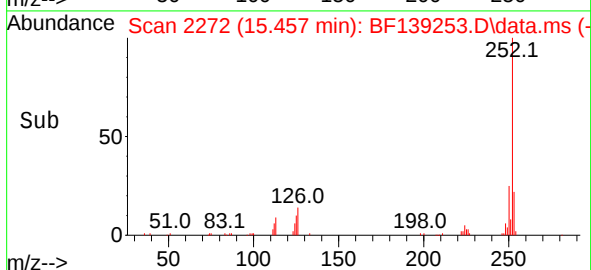
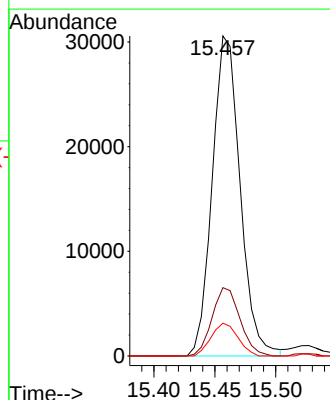
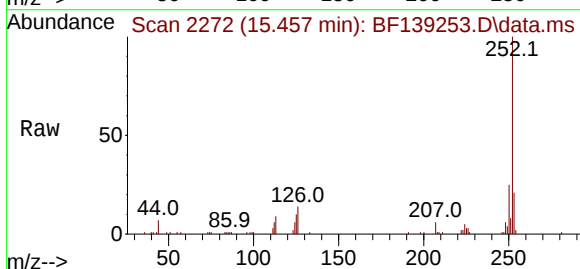
Tgt Ion:252 Resp: 48672

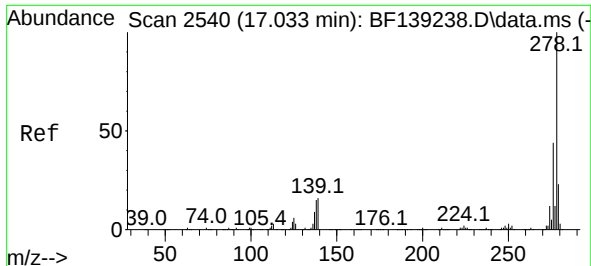
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.2 8.6 13.0

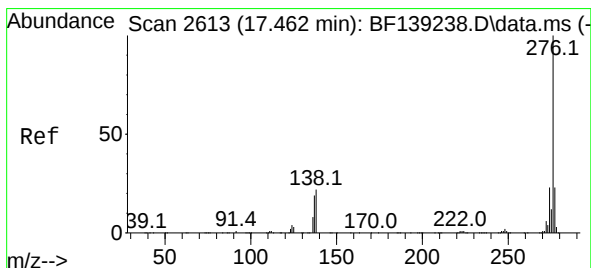
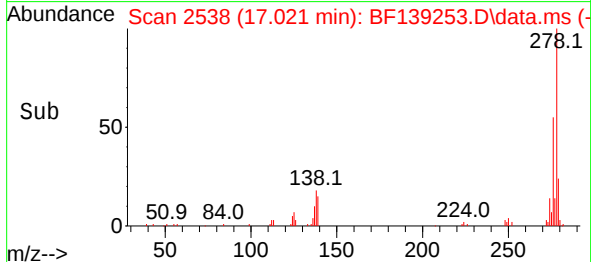
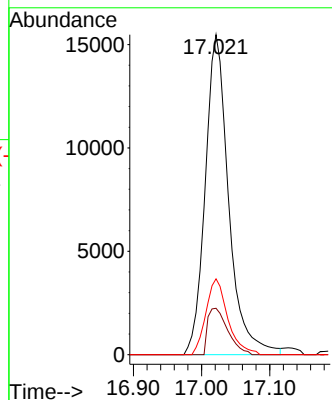
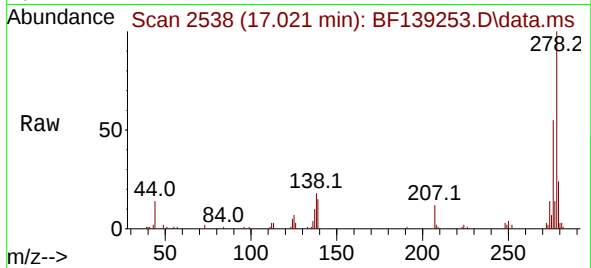




#91
Dibenzo(a,h)anthracene
Concen: 3.135 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

Tgt Ion:278 Resp: 37112
Ion Ratio Lower Upper
278 100
139 14.5 12.6 19.0
279 23.7 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 3.086 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139253.D
Acq: 05 Sep 2024 10:35

Tgt Ion:276 Resp: 37705
Ion Ratio Lower Upper
276 100
277 23.7 18.6 27.8
138 20.0 17.4 26.0

