

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139259.D
 Acq On : 05 Sep 2024 15:49
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5 ng
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 05 16:46:54 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	107568	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	390234	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	215486	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	392752	20.000	ng	0.00
76) Chrysene-d12	14.045	240	214033	20.000	ng	0.00
86) Perylene-d12	15.521	264	183805	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	755956	117.564	ng	0.00
7) Phenol-d6	6.510	99	995472	115.966	ng	0.00
23) Nitrobenzene-d5	7.445	82	643189	85.745	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	220980	118.758	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1174236	84.117	ng	0.00
79) Terphenyl-d14	12.998	244	1097832	82.816	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	18810	6.282	ng	99
3) Pyridine	3.458	79	42053	5.818	ng	96
4) n-Nitrosodimethylamine	3.369	42	27474	5.853	ng	99
6) Aniline	6.546	93	59881	7.586	ng	97
8) 2-Chlorophenol	6.669	128	43068	6.463	ng	87
9) Benzaldehyde	6.434	77	38278	7.367	ng	98
10) Phenol	6.522	94	58273	6.436	ng	# 70
11) bis(2-Chloroethyl)ether	6.622	93	41896	6.459	ng	100
12) 1,3-Dichlorobenzene	6.828	146	46838	6.210	ng	99
13) 1,4-Dichlorobenzene	6.904	146	46940	6.217	ng	99
14) 1,2-Dichlorobenzene	7.057	146	44500	6.320	ng	99
15) Benzyl Alcohol	7.022	79	47571	7.599	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	81846	6.628	ng	99
17) 2-Methylphenol	7.128	107	34029	6.251	ng	97
18) Hexachloroethane	7.398	117	16310	6.049	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	32001	6.473	ng	98
20) 3+4-Methylphenols	7.281	107	45081	6.571	ng	97
22) Acetophenone	7.287	105	61143	6.577	ng	99
24) Nitrobenzene	7.463	77	49835	6.259	ng	99
25) Isophorone	7.698	82	82118	6.403	ng	99
26) 2-Nitrophenol	7.781	139	18517	5.922	ng	97
27) 2,4-Dimethylphenol	7.816	122	29023	6.508	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	48935	6.404	ng	99
29) 2,4-Dichlorophenol	8.016	162	33545	6.282	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	38693	6.345	ng	99
31) Naphthalene	8.187	128	126879	6.420	ng	99
32) Benzoic acid	7.863	122	13733	3.381	ng	98
33) 4-Chloroaniline	8.234	127	47824	6.989	ng	98
34) Hexachlorobutadiene	8.310	225	23300	6.029	ng	98
35) Caprolactam	8.563	113	9169	5.547	ng	90
36) 4-Chloro-3-methylphenol	8.710	107	35388	6.082	ng	95
37) 2-Methylnaphthalene	8.881	142	80749	6.531	ng	98
38) 1-Methylnaphthalene	8.981	142	74968	6.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	38856	6.373	ng	98
41) Hexachlorocyclopentadiene	9.034	237	13099	6.685	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	23951	6.004	ng	97

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 ALS Vial : 11 Sample Multiplier: 1

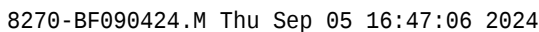
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

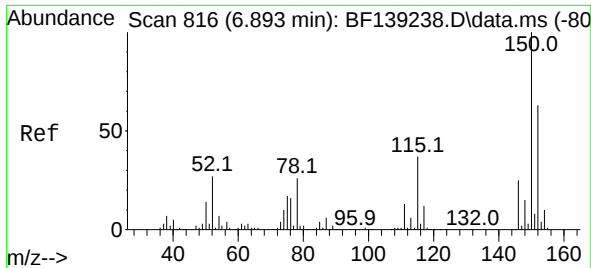
Quant Time: Sep 05 16:46:54 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	24688	5.906	ng	98
46) 1,1'-Biphenyl	9.345	154	107383	6.726	ng	100
47) 2-Chloronaphthalene	9.369	162	76448	6.341	ng	97
48) 2-Nitroaniline	9.463	65	24848	5.984	ng	99
49) Acenaphthylene	9.781	152	125893	6.934	ng	99
50) Dimethylphthalate	9.639	163	85950	6.581	ng	99
51) 2,6-Dinitrotoluene	9.698	165	17357	5.858	ng	96
52) Acenaphthene	9.957	154	72970	6.059	ng	95
53) 3-Nitroaniline	9.869	138	19014	6.023	ng	98
54) 2,4-Dinitrophenol	9.975	184	2476	8.971	ng	# 45
55) Dibenzofuran	10.128	168	115051	6.663	ng	99
56) 4-Nitrophenol	10.022	139	11283	4.842	ng	93
57) 2,4-Dinitrotoluene	10.098	165	21852	5.794	ng	96
58) Fluorene	10.469	166	90059	6.728	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	20291	6.167	ng	97
60) Diethylphthalate	10.339	149	82751	6.438	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	43258	6.701	ng	98
62) 4-Nitroaniline	10.475	138	17275	5.749	ng	97
63) Azobenzene	10.622	77	86161	6.360	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	5977	3.294	ng	98
66) n-Nitrosodiphenylamine	10.581	169	76017	6.649	ng	97
67) 4-Bromophenyl-phenylether	10.957	248	24368	6.395	ng	95
68) Hexachlorobenzene	11.016	284	28094	6.440	ng	99
69) Atrazine	11.104	200	20724	7.857	ng	96
70) Pentachlorophenol	11.210	266	10234	4.061	ng	96
71) Phenanthrene	11.433	178	124829	6.804	ng	99
72) Anthracene	11.486	178	124646	6.954	ng	98
73) Carbazole	11.639	167	108008	6.448	ng	99
74) Di-n-butylphthalate	11.975	149	107247	6.253	ng	98
75) Fluoranthene	12.622	202	122911	6.682	ng	99
77) Benzidine	12.745	184	34855	8.088	ng	97
78) Pyrene	12.851	202	131028	6.337	ng	98
80) Butylbenzylphthalate	13.469	149	28404	5.836	ng	99
81) Benzo(a)anthracene	14.033	228	90356	6.611	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	20971	5.778	ng	99
83) Chrysene	14.074	228	77891	6.106	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	28992	5.075	ng	99
85) Di-n-octyl phthalate	14.645	149	37223	3.403	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.992	276	54337	4.732	ng	97
88) Benzo(b)fluoranthene	15.086	252	57150	5.399	ng	98
89) Benzo(k)fluoranthene	15.116	252	68354	7.202	ng	98
90) Benzo(a)pyrene	15.457	252	54039	6.012	ng	100
91) Dibenzo(a,h)anthracene	17.015	278	42866	4.530	ng	97
92) Benzo(g,h,i)perylene	17.439	276	42604	4.362	ng	97

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

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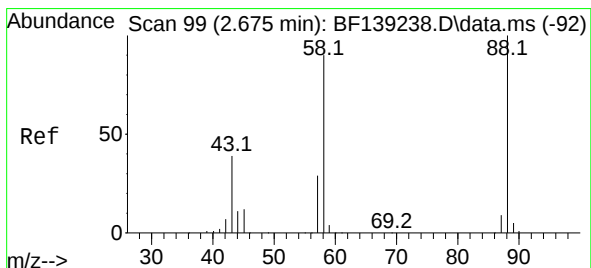
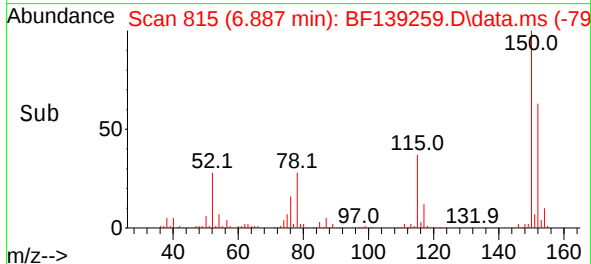
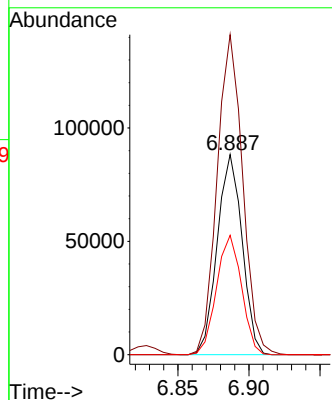
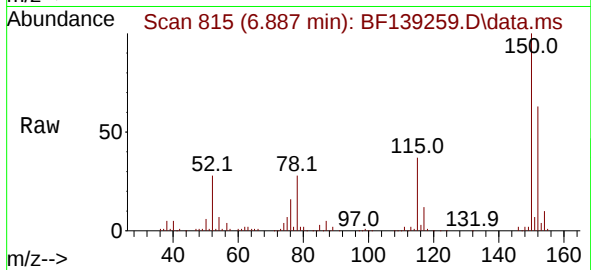




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

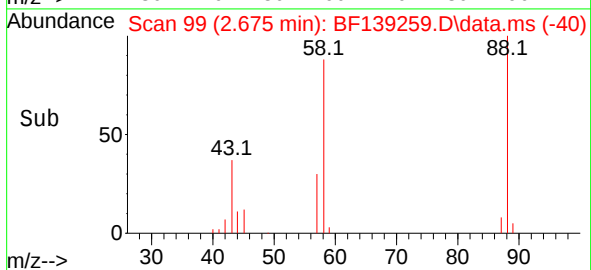
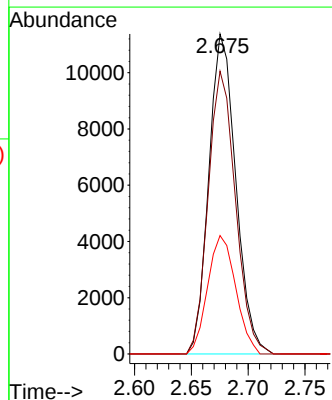
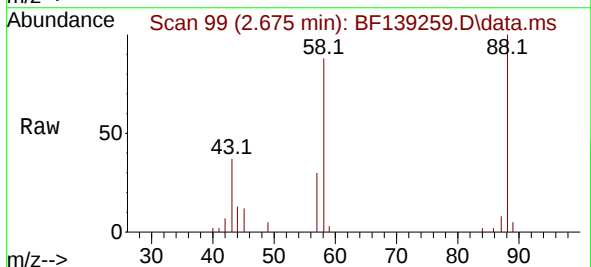
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

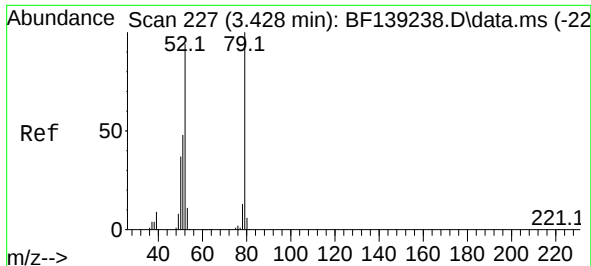
Tgt Ion:152 Resp: 107568
Ion Ratio Lower Upper
152 100
150 159.9 127.0 190.4
115 59.6 46.9 70.3



#2
1,4-Dioxane
Concen: 6.282 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion: 88 Resp: 18810
Ion Ratio Lower Upper
88 100
58 89.4 72.5 108.7
43 38.4 31.4 47.2





#3

Pyridine

Concen: 5.818 ng

RT: 3.458 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

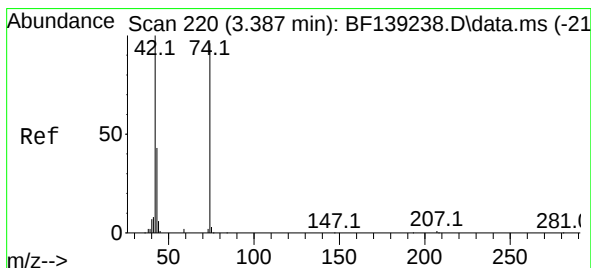
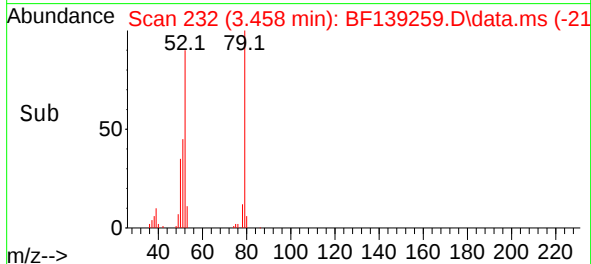
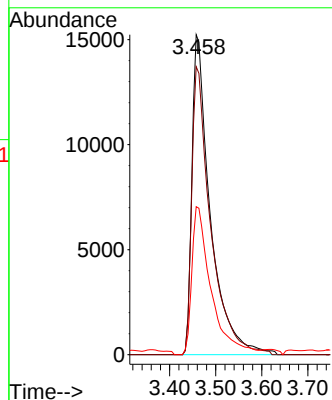
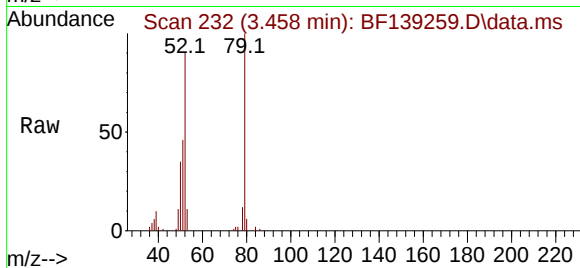
Tgt Ion: 79 Resp: 42053

Ion Ratio Lower Upper

79 100

52 90.0 75.3 112.9

51 46.2 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 5.853 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

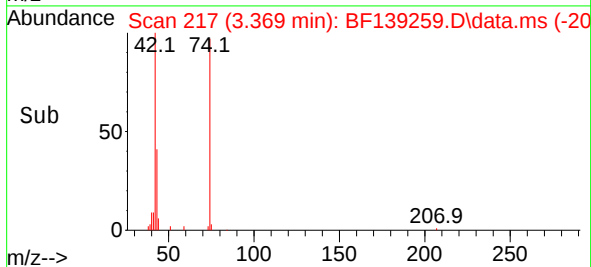
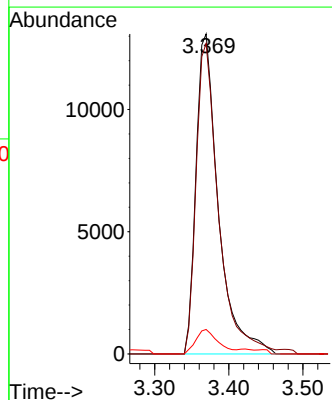
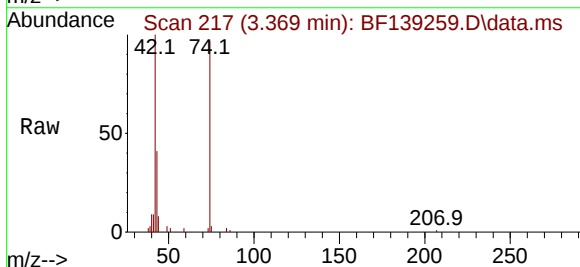
Tgt Ion: 42 Resp: 27474

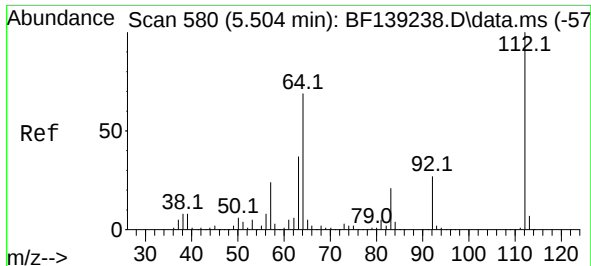
Ion Ratio Lower Upper

42 100

74 97.1 77.2 115.8

44 7.6 5.1 7.7

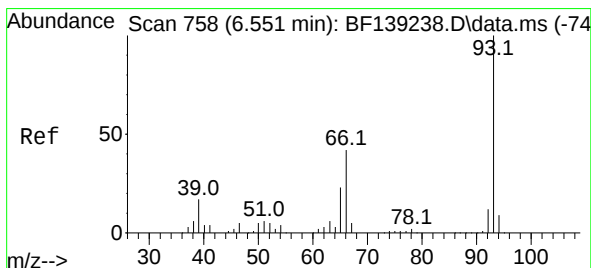
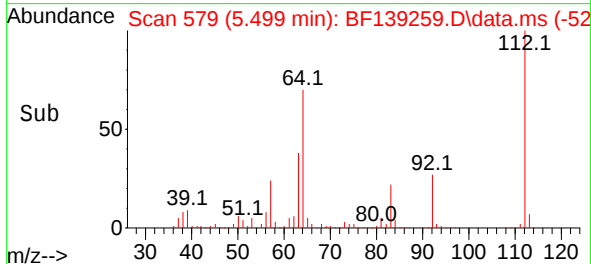
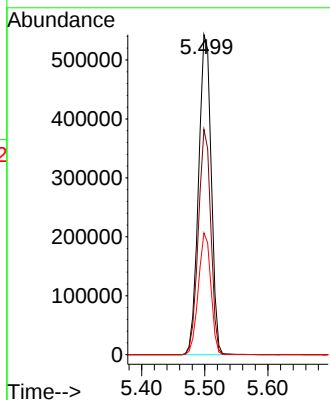
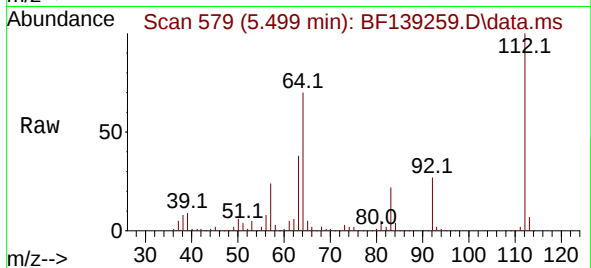




#5
2-Fluorophenol
Concen: 117.564 ng
RT: 5.499 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

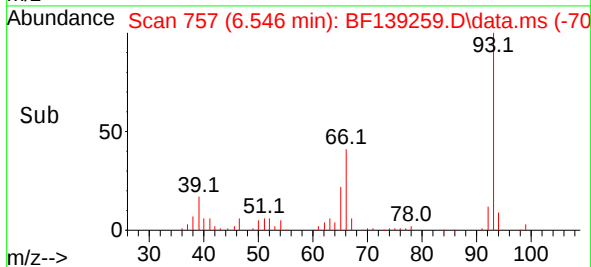
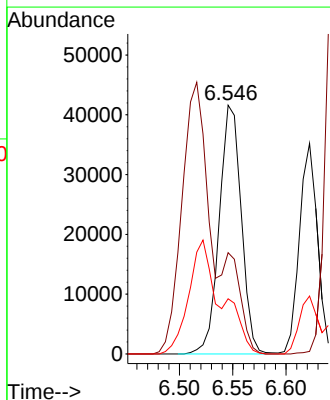
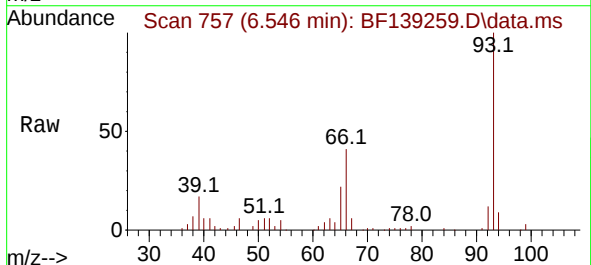
Instrument :
BNA_F
ClientSampleId :
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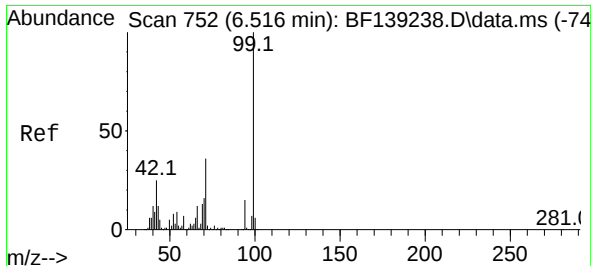
Tgt Ion:112 Resp: 755956
Ion Ratio Lower Upper
112 100
64 70.4 55.0 82.4
63 38.1 29.9 44.9



#6
Aniline
Concen: 7.586 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion: 93 Resp: 59881
Ion Ratio Lower Upper
93 100
66 40.7 34.4 51.6
65 22.2 18.2 27.4

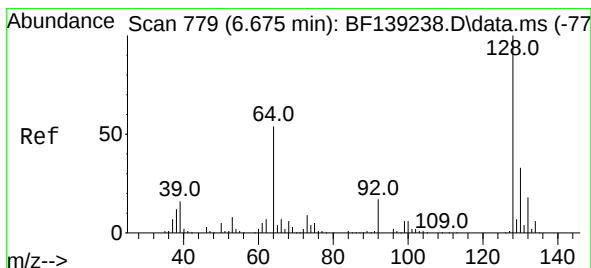
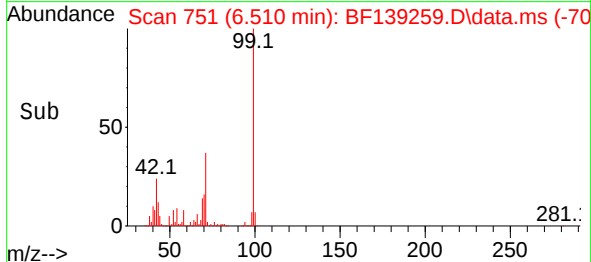
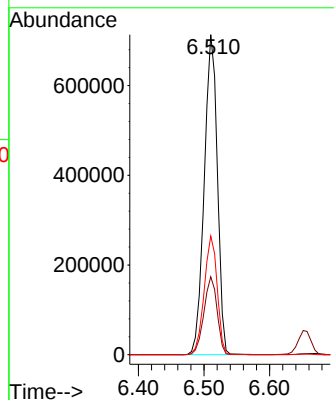
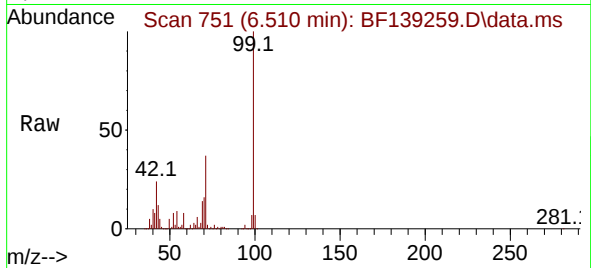




#7
Phenol-d6
Concen: 115.966 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

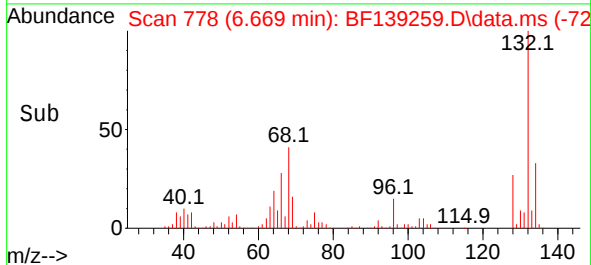
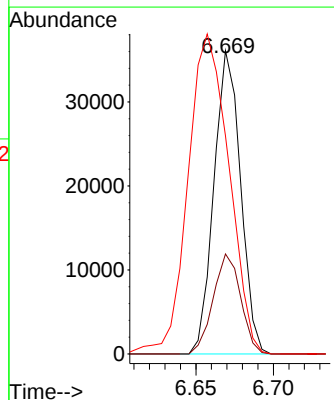
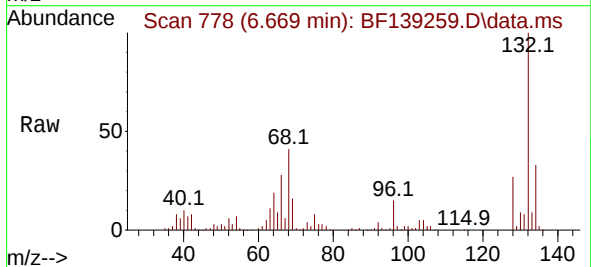
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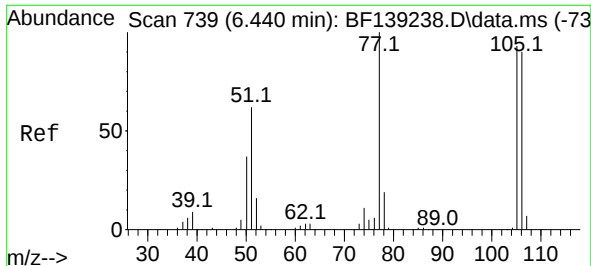
Tgt Ion: 99 Resp: 995472
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 37.1 28.8 43.2



#8
2-Chlorophenol
Concen: 6.463 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion: 128 Resp: 43068
Ion Ratio Lower Upper
128 100
130 33.0 12.7 52.7
64 72.0 36.6 76.6





#9

Benzaldehyde

Concen: 7.367 ng

RT: 6.434 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

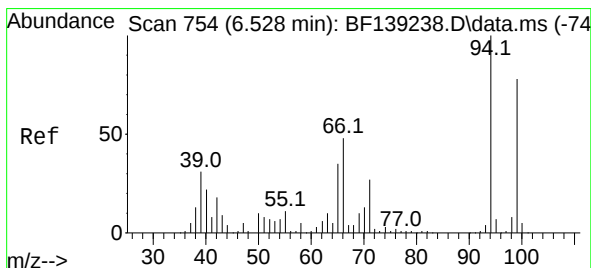
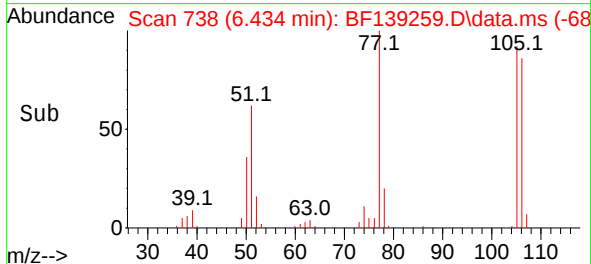
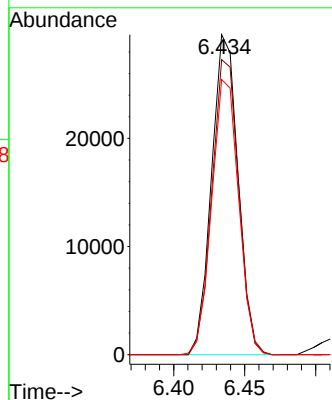
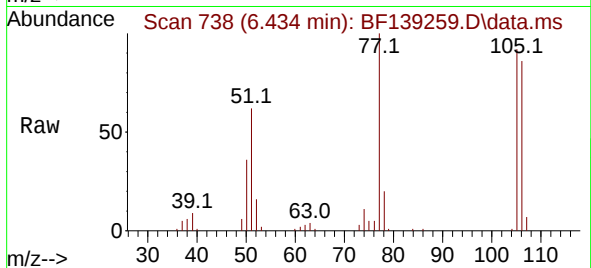
Tgt Ion: 77 Resp: 38278

Ion Ratio Lower Upper

77 100

105 92.2 72.9 112.9

106 86.0 69.6 109.6



#10

Phenol

Concen: 6.436 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

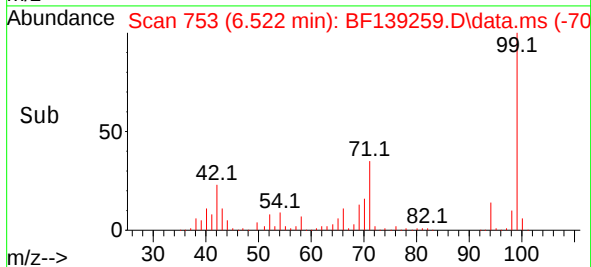
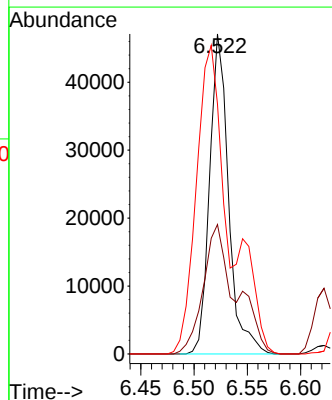
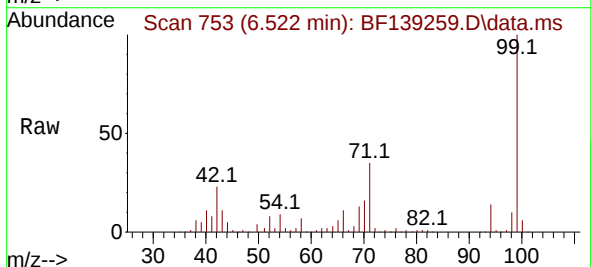
Tgt Ion: 94 Resp: 58273

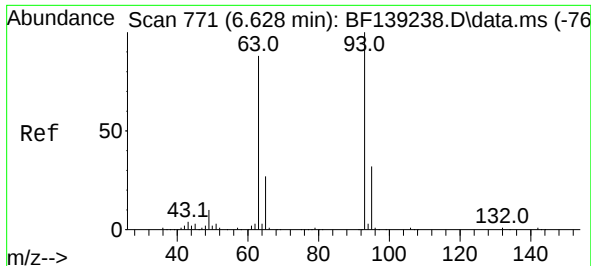
Ion Ratio Lower Upper

94 100

65 40.4 14.7 54.7

66 78.1 28.5 68.5#





#11

bis(2-Chloroethyl)ether

Concen: 6.459 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

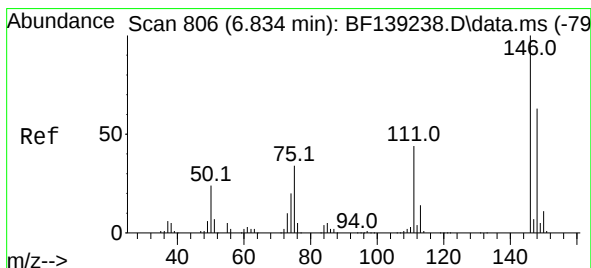
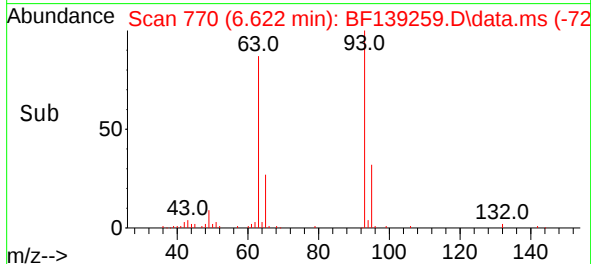
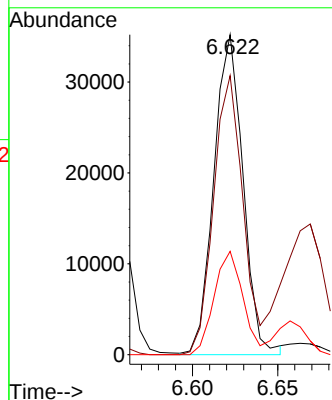
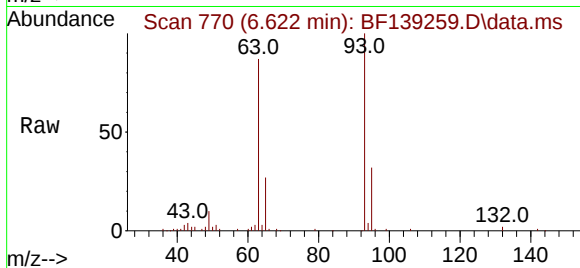
Tgt Ion: 93 Resp: 41896

Ion Ratio Lower Upper

93 100

63 87.2 67.1 107.1

95 32.3 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 6.210 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

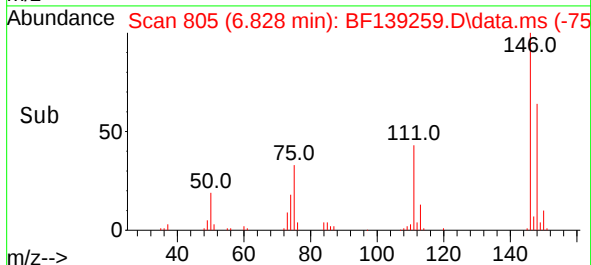
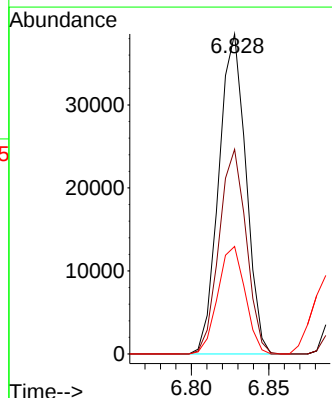
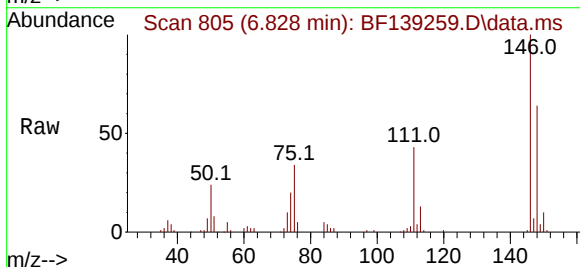
Tgt Ion: 146 Resp: 46838

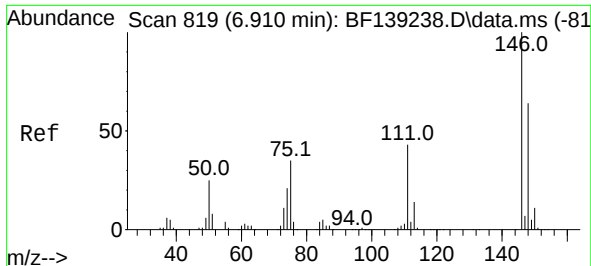
Ion Ratio Lower Upper

146 100

148 64.0 50.8 76.2

75 33.6 27.3 40.9





#13

1,4-Dichlorobenzene

Concen: 6.217 ng

RT: 6.904 min Scan# 819

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

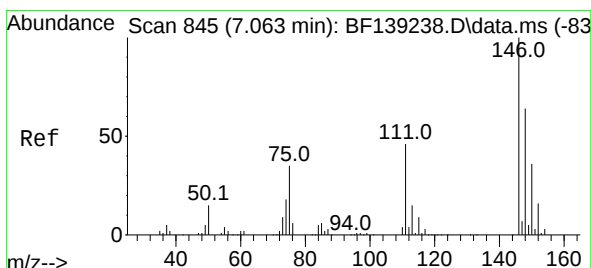
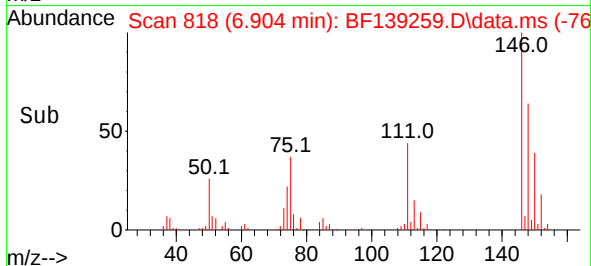
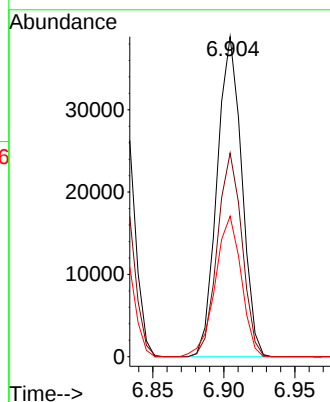
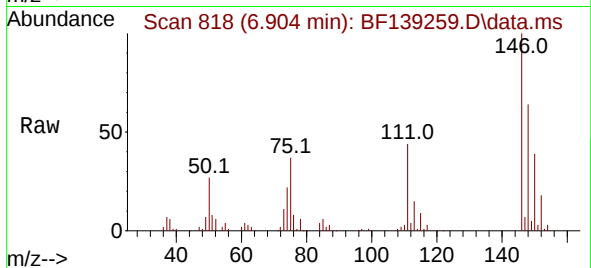
Tgt Ion:146 Resp: 46940

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

111 43.9 34.6 51.8



#14

1,2-Dichlorobenzene

Concen: 6.320 ng

RT: 7.057 min Scan# 844

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

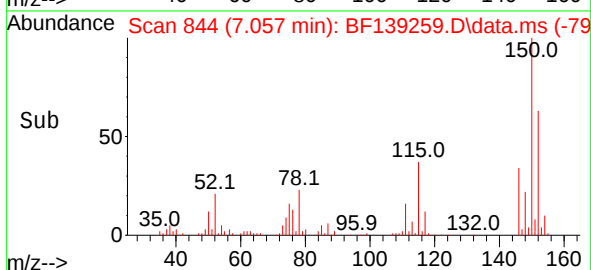
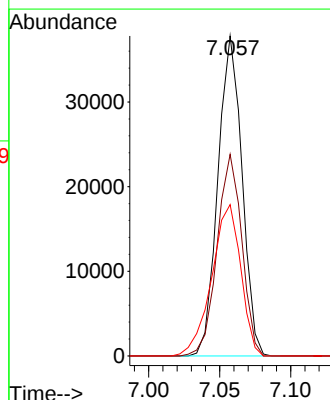
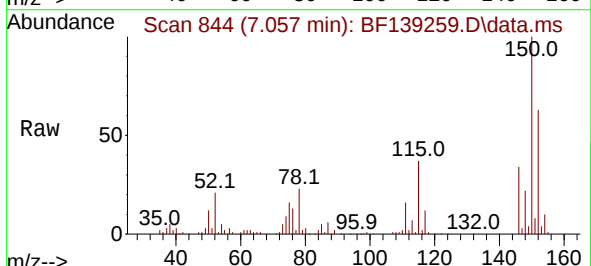
Tgt Ion:146 Resp: 44500

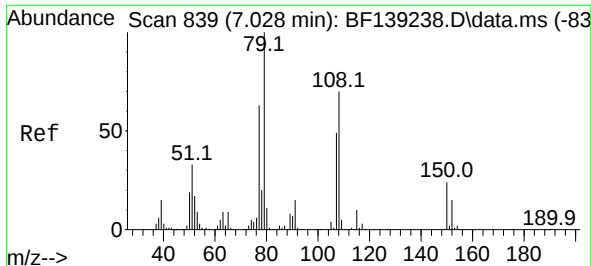
Ion Ratio Lower Upper

146 100

148 63.0 50.9 76.3

111 47.3 36.6 55.0





#15

Benzyl Alcohol

Concen: 7.599 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

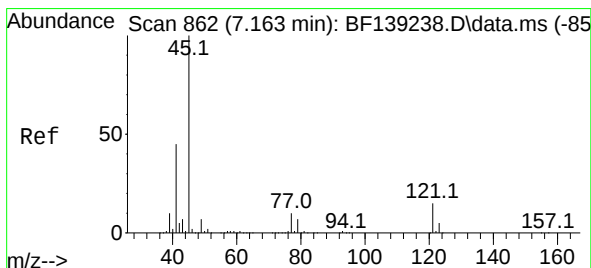
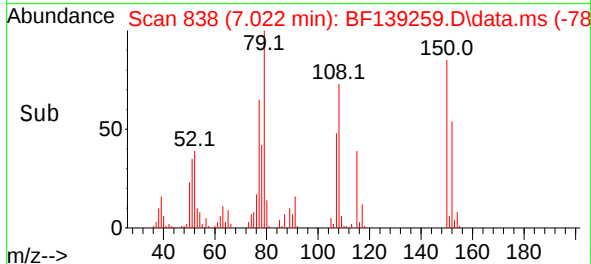
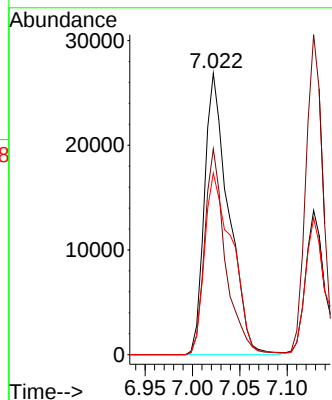
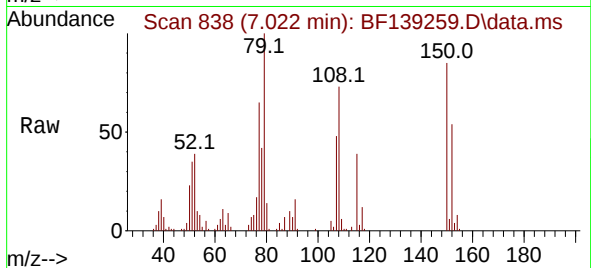
Tgt Ion: 79 Resp: 47571

Ion Ratio Lower Upper

79 100

108 73.1 56.1 84.1

77 64.5 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.628 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

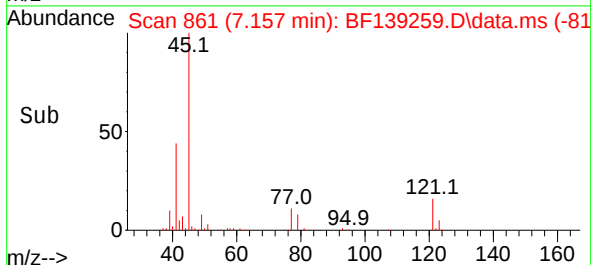
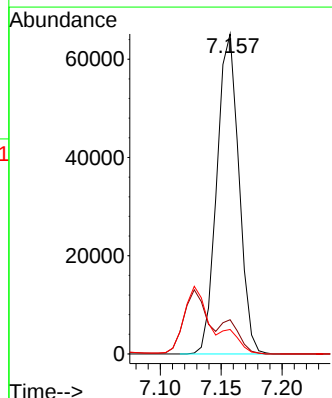
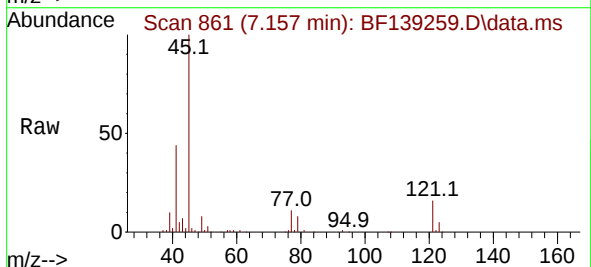
Tgt Ion: 45 Resp: 81846

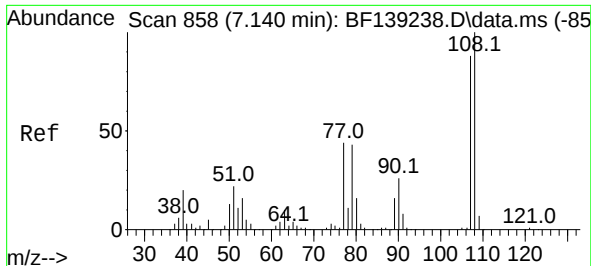
Ion Ratio Lower Upper

45 100

77 10.7 0.0 30.0

79 7.6 0.0 27.6

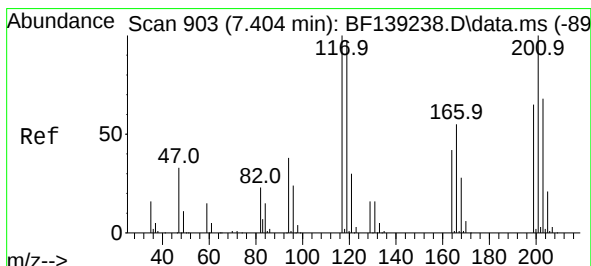
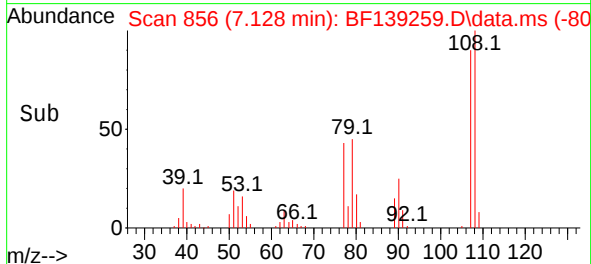
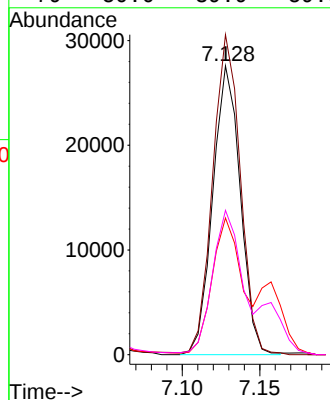
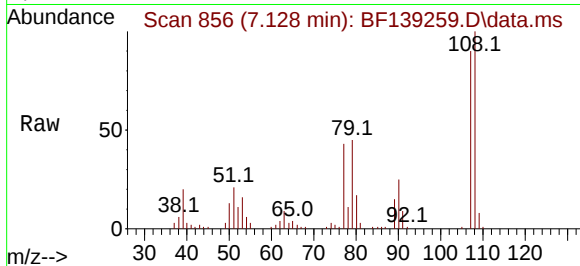




#17
2-Methylphenol
Concen: 6.251 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

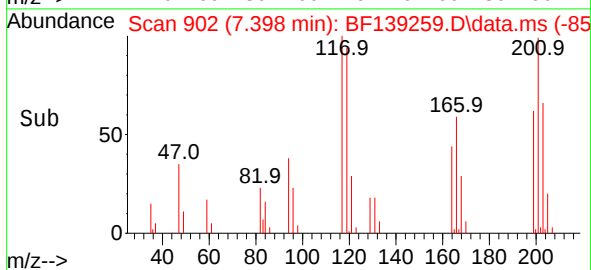
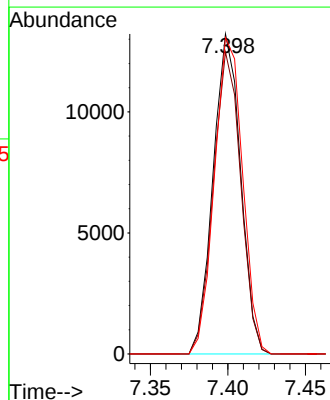
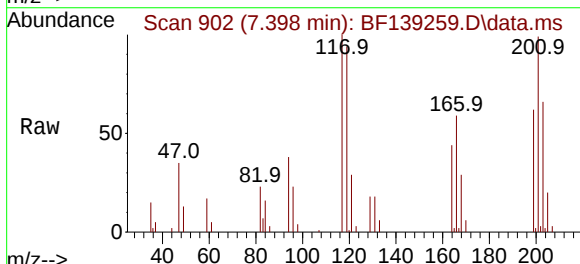
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

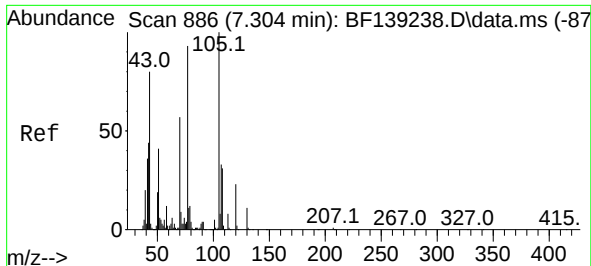
Tgt Ion:	107	Resp:	34029
Ion	Ratio	Lower	Upper
107	100		
108	110.8	91.4	137.2
77	47.3	40.1	60.1
79	50.0	39.9	59.9



#18
Hexachloroethane
Concen: 6.049 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:	117	Resp:	16310
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.2
201	98.8	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 6.473 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.018 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 32001

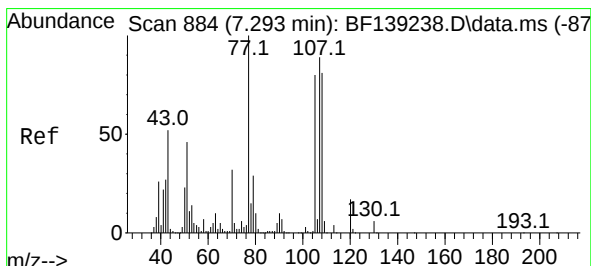
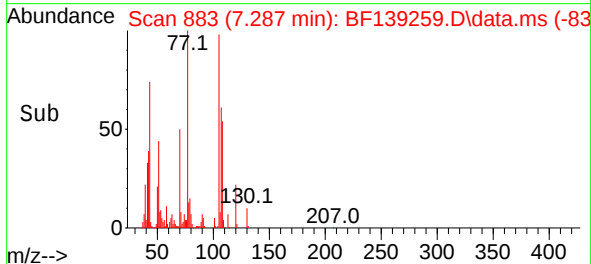
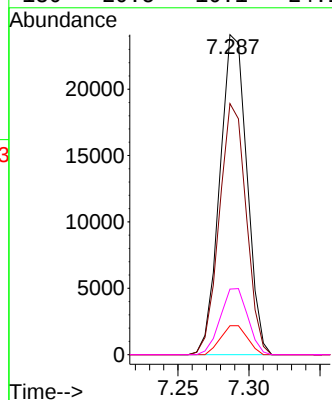
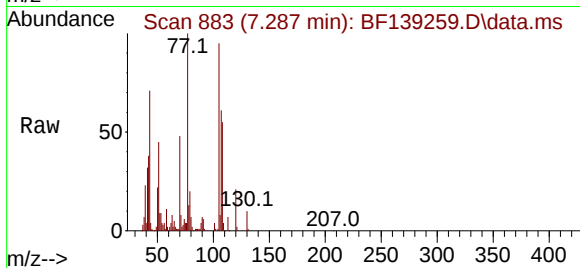
Ion Ratio Lower Upper

70 100

42 78.5 61.0 91.6

101 9.0 7.2 10.8

130 20.5 16.1 24.1



#20

3+4-Methylphenols

Concen: 6.571 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Tgt Ion: 107 Resp: 45081

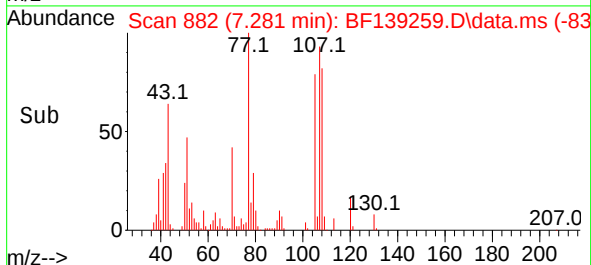
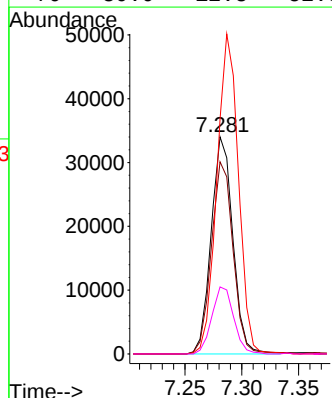
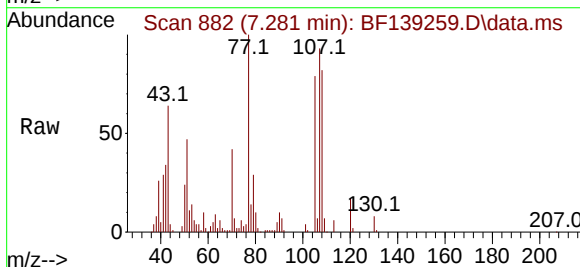
Ion Ratio Lower Upper

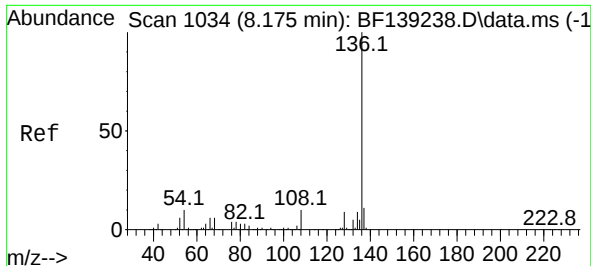
107 100

108 88.5 70.4 110.4

77 108.1 92.2 132.2

79 30.9 12.8 52.8

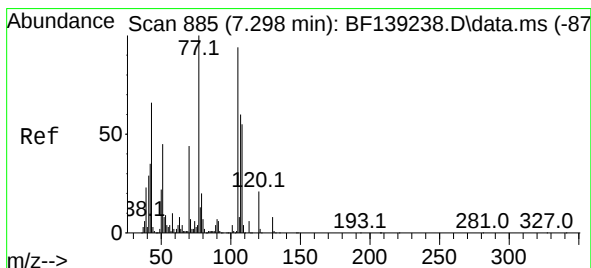
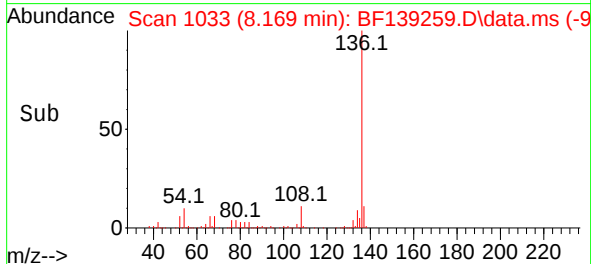
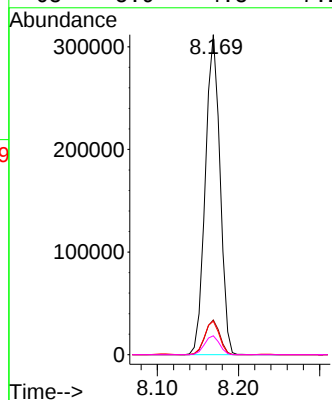
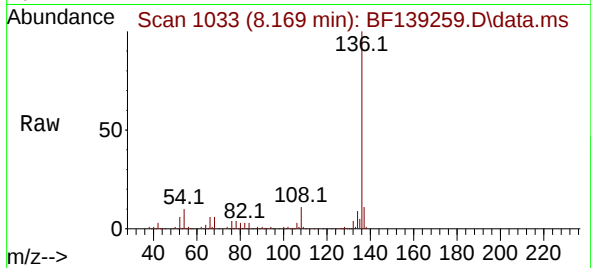




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

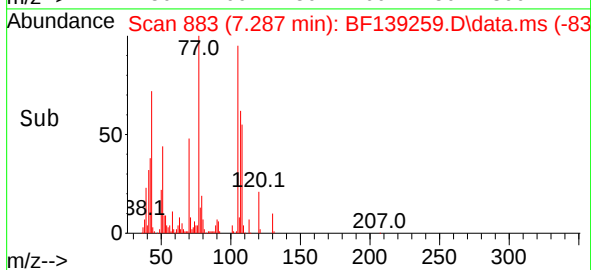
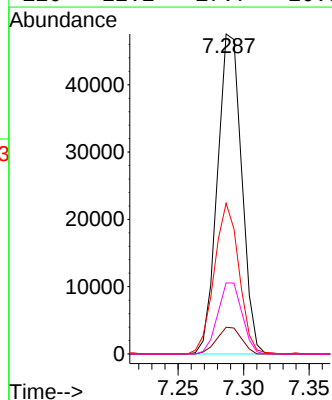
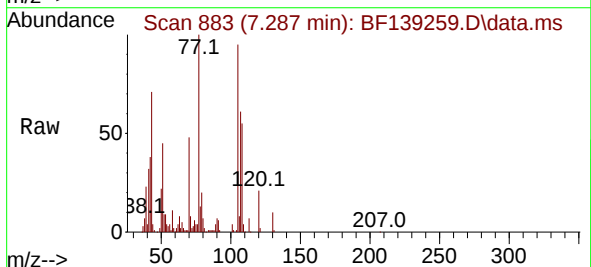
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

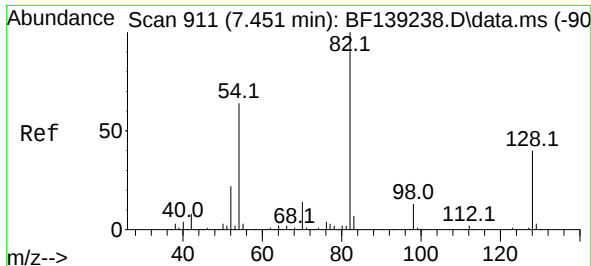
Tgt Ion:136 Resp: 390234
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.5 8.4 12.6
68 5.9 4.8 7.2



#22
Acetophenone
Concen: 6.577 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:105 Resp: 61143
Ion Ratio Lower Upper
105 100
71 8.3 6.2 9.2
51 47.1 38.2 57.2
120 22.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 85.745 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

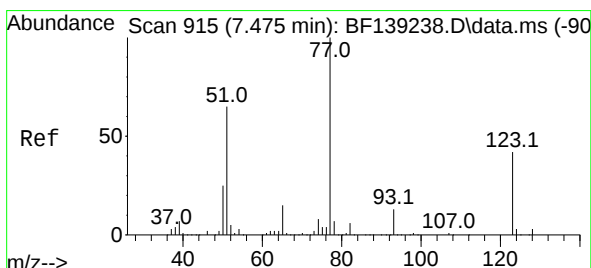
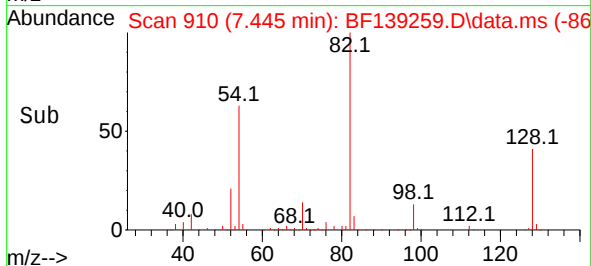
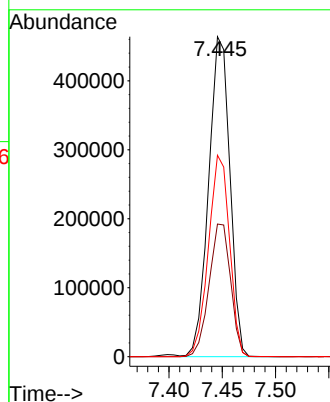
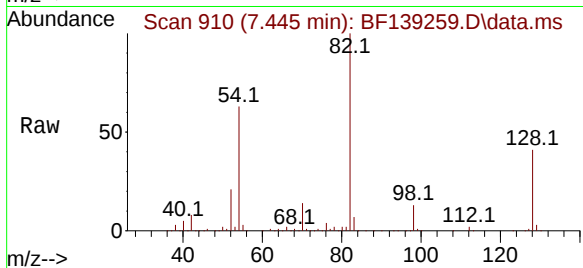
Tgt Ion: 82 Resp: 643189

Ion Ratio Lower Upper

82 100

128 41.4 32.3 48.5

54 63.0 51.2 76.8



#24

Nitrobenzene

Concen: 6.259 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

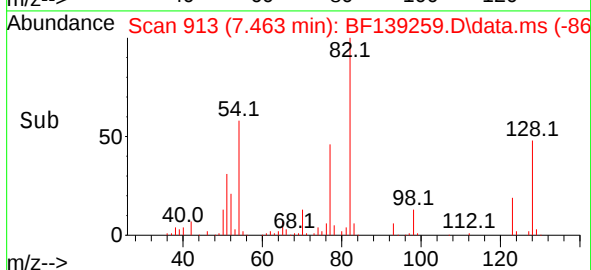
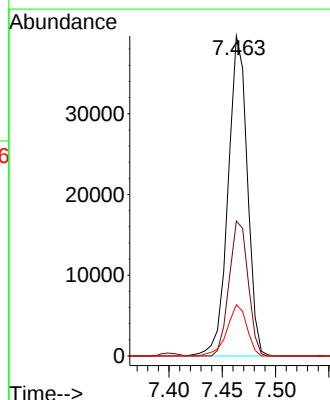
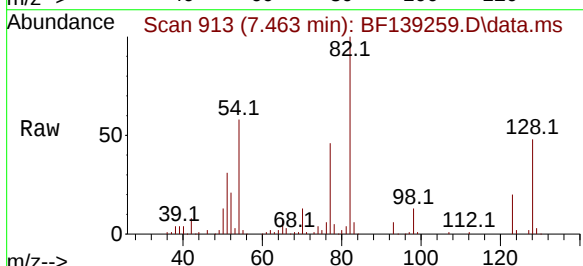
Tgt Ion: 77 Resp: 49835

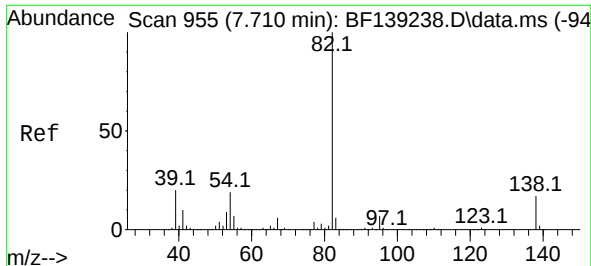
Ion Ratio Lower Upper

77 100

123 42.2 34.0 51.0

65 16.0 12.1 18.1

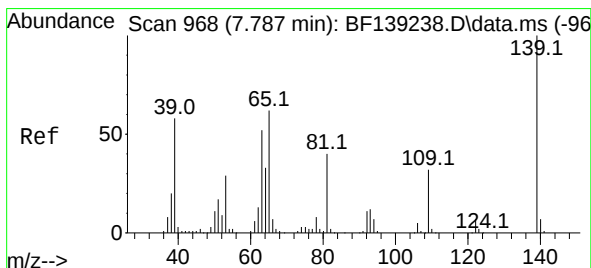
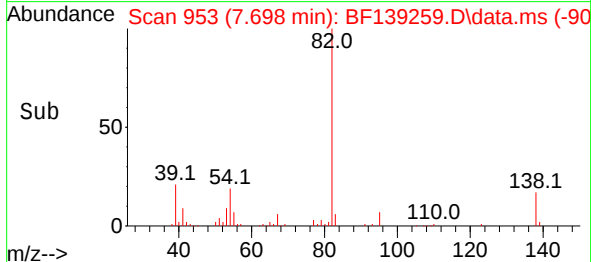
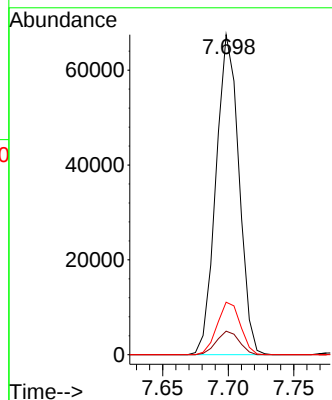
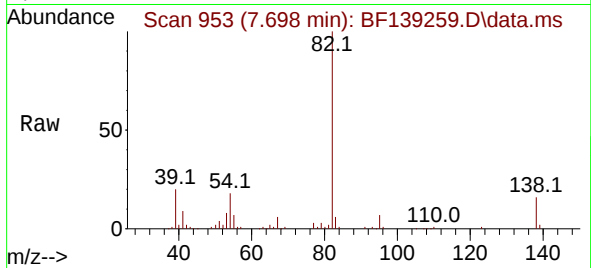




#25
Isophorone
Concen: 6.403 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

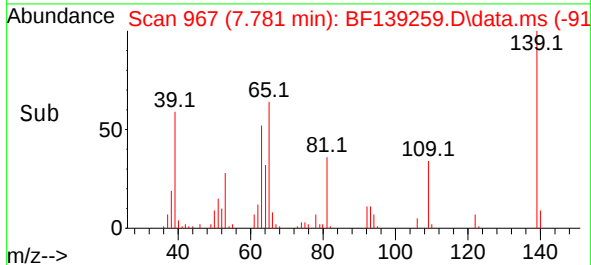
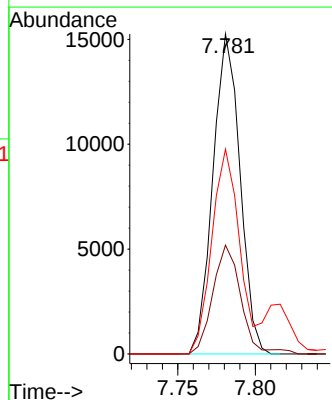
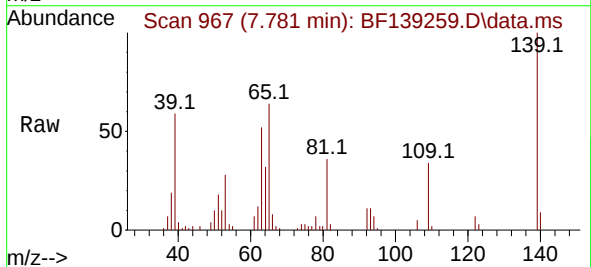
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

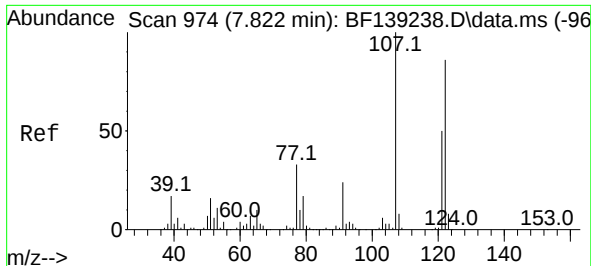
Tgt Ion: 82 Resp: 82118
Ion Ratio Lower Upper
82 100
95 7.3 6.0 9.0
138 16.4 13.4 20.0



#26
2-Nitrophenol
Concen: 5.922 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:139 Resp: 18517
Ion Ratio Lower Upper
139 100
109 34.0 25.4 38.2
65 64.0 49.4 74.2

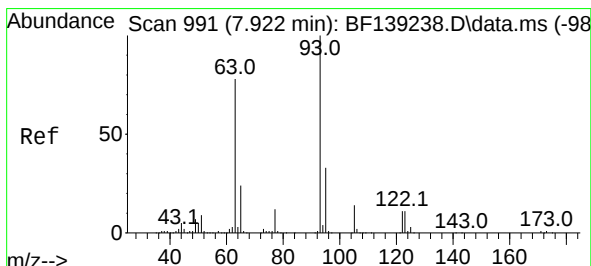
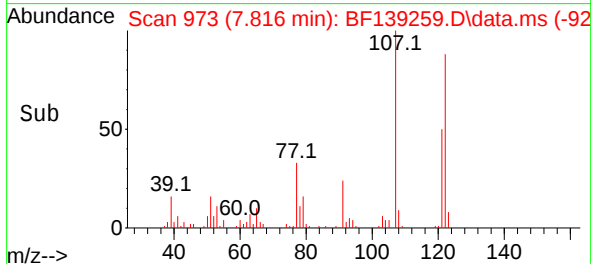
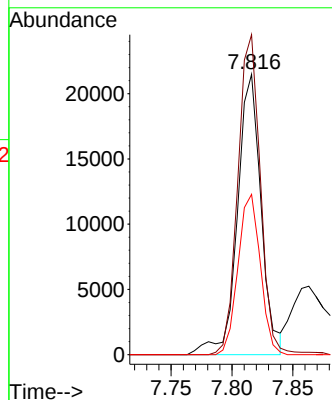
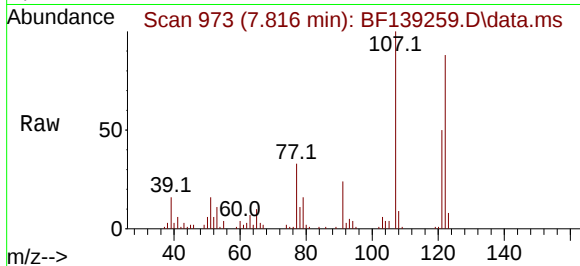




#27
2,4-Dimethylphenol
Concen: 6.508 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

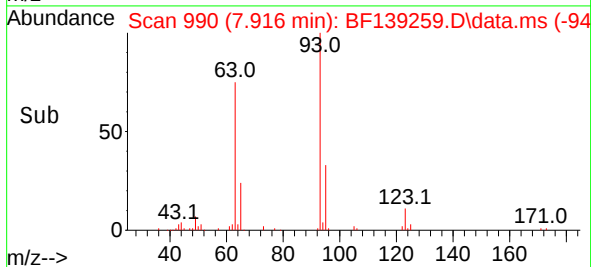
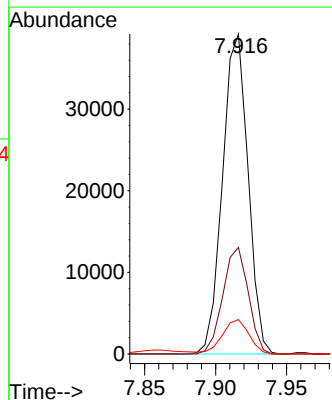
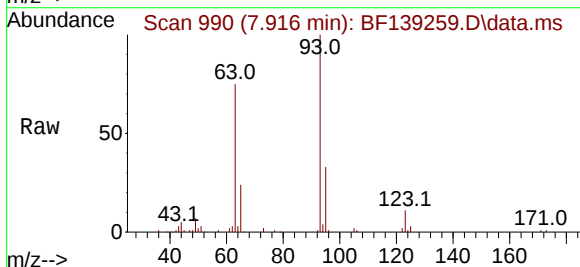
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

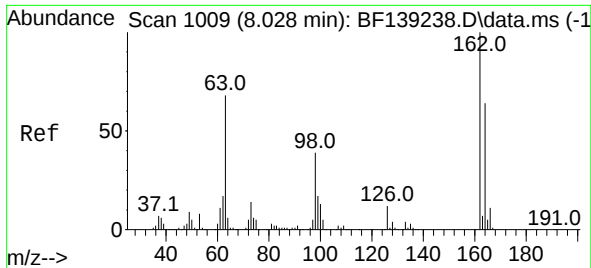
Tgt Ion:122 Resp: 29023
Ion Ratio Lower Upper
122 100
107 114.2 93.4 140.2
121 57.2 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 6.404 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion: 93 Resp: 48935
Ion Ratio Lower Upper
93 100
95 33.3 26.6 40.0
123 10.7 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 6.282 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

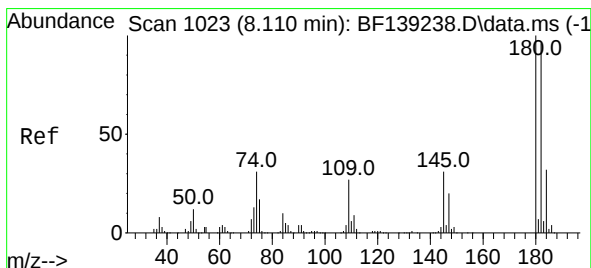
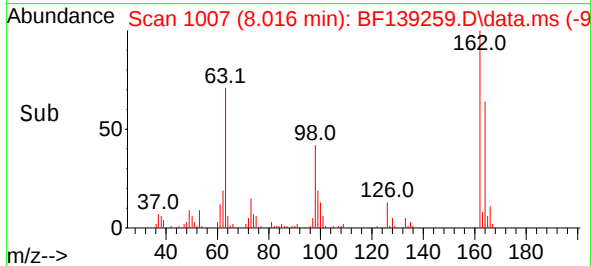
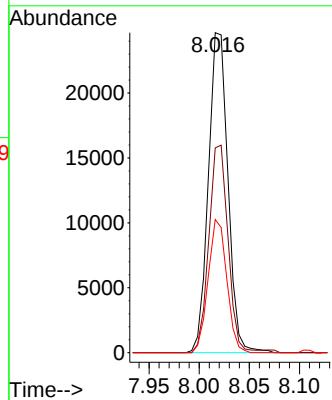
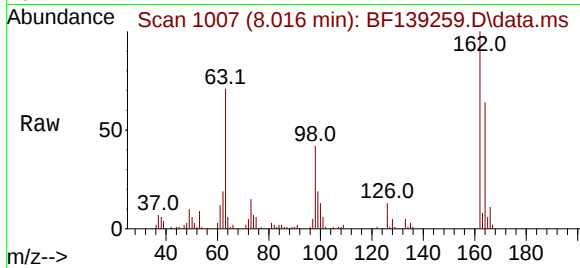
Tgt Ion:162 Resp: 33545

Ion Ratio Lower Upper

162 100

164 64.0 43.6 83.6

98 41.6 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 6.345 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

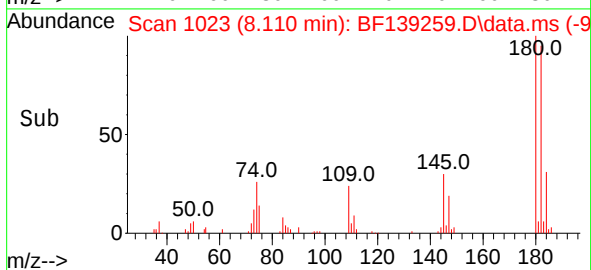
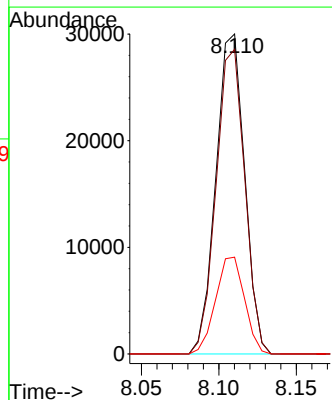
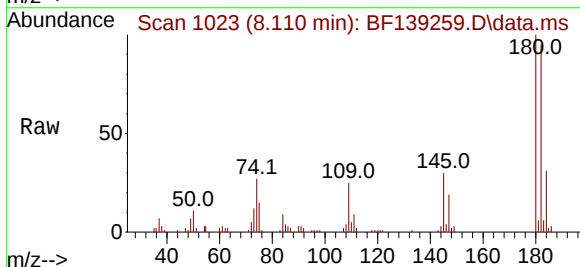
Tgt Ion:180 Resp: 38693

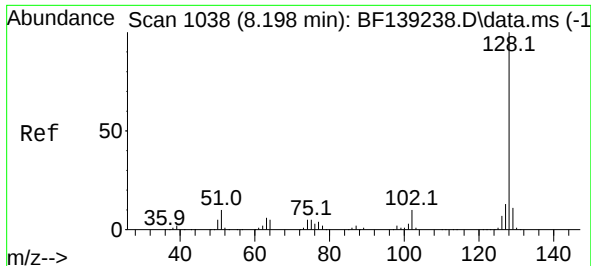
Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 30.2 25.1 37.7





#31

Naphthalene

Concen: 6.420 ng

RT: 8.187 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

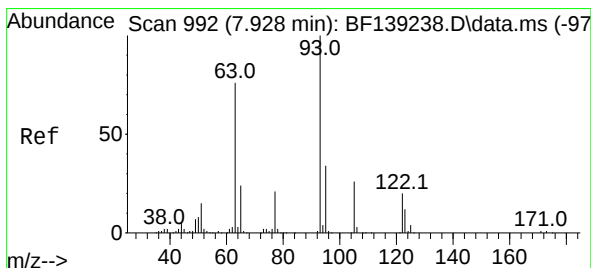
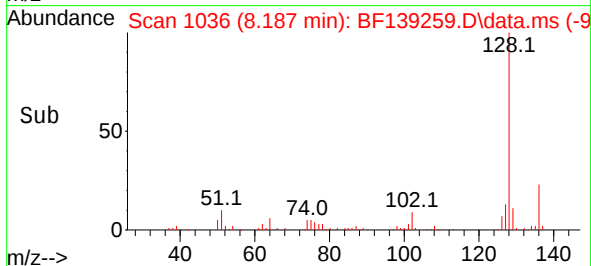
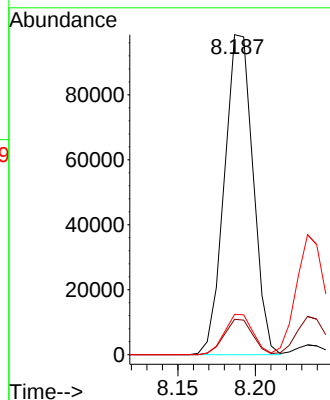
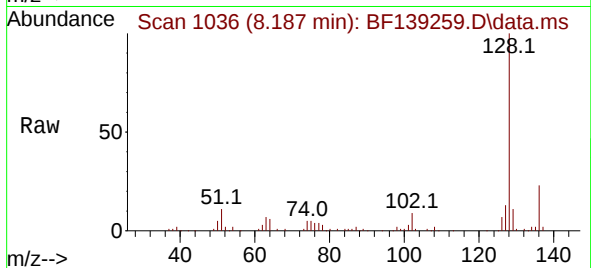
Tgt Ion:128 Resp: 126879

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 12.6 10.6 15.8



#32

Benzoic acid

Concen: 3.381 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.065 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

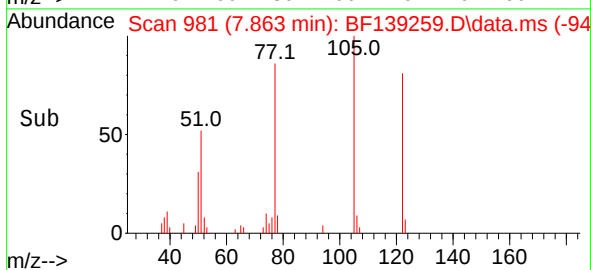
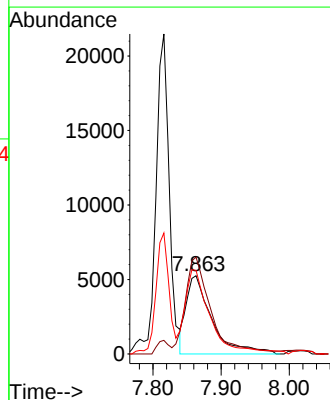
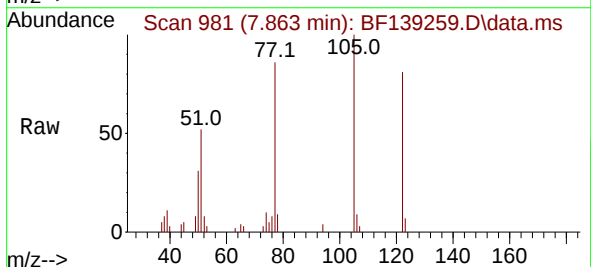
Tgt Ion:122 Resp: 13733

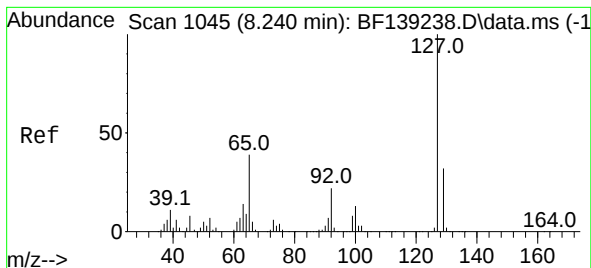
Ion Ratio Lower Upper

122 100

105 123.9 106.3 146.3

77 107.0 84.1 124.1





#33

4-Chloroaniline

Concen: 6.989 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 47824

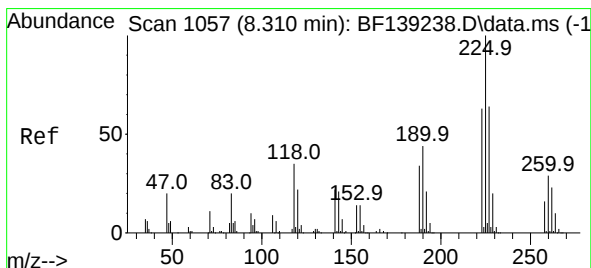
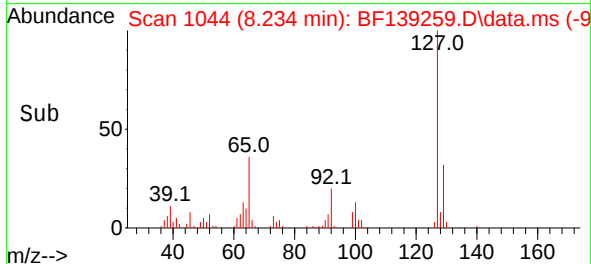
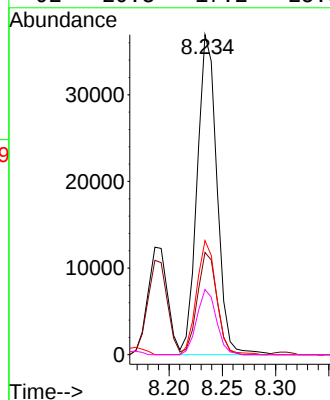
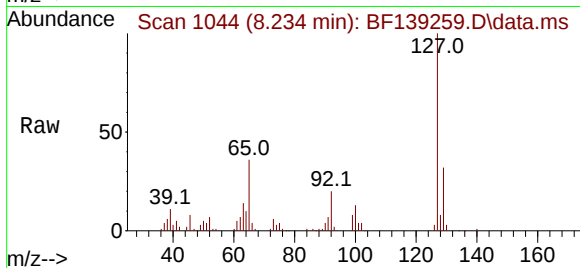
Ion Ratio Lower Upper

127 100

129 31.9 25.8 38.6

65 35.6 30.6 45.8

92 20.3 17.2 25.8



#34

Hexachlorobutadiene

Concen: 6.029 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

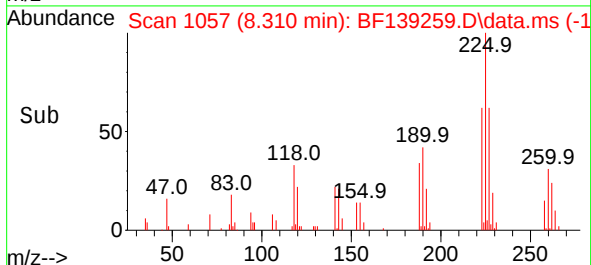
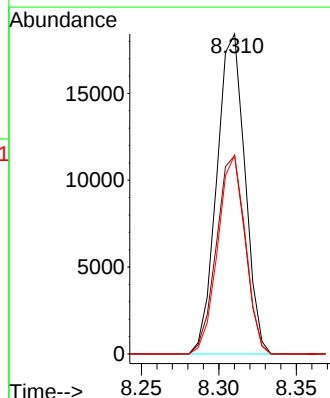
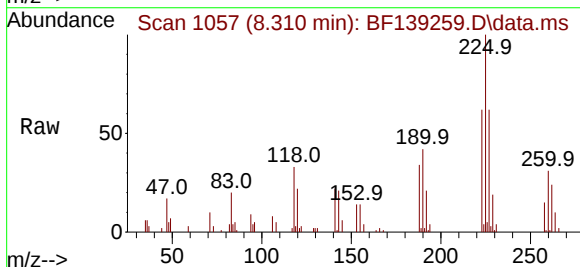
Tgt Ion:225 Resp: 23300

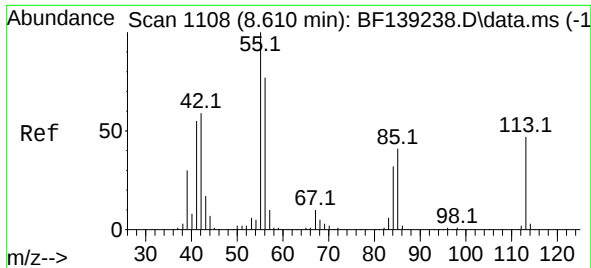
Ion Ratio Lower Upper

225 100

223 61.9 50.7 76.1

227 62.2 51.5 77.3





#35

Caprolactam

Concen: 5.547 ng

RT: 8.563 min Scan# 1108

Delta R.T. -0.047 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

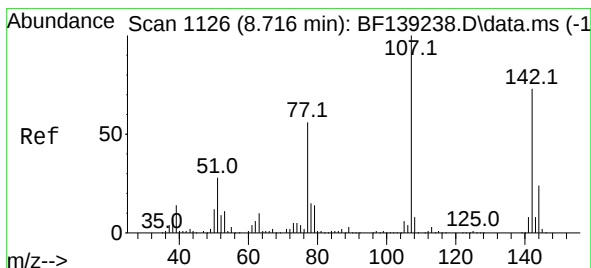
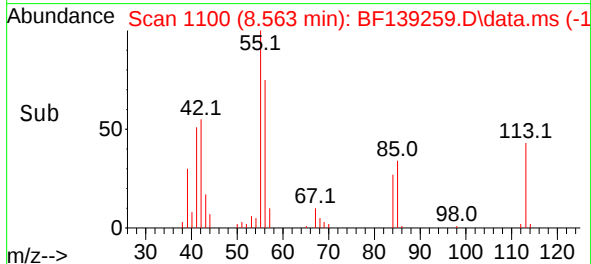
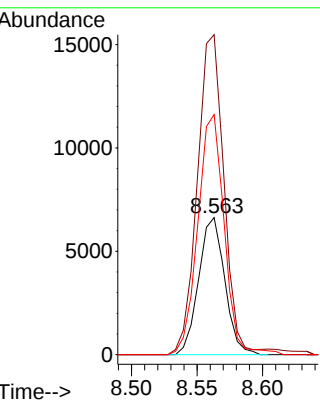
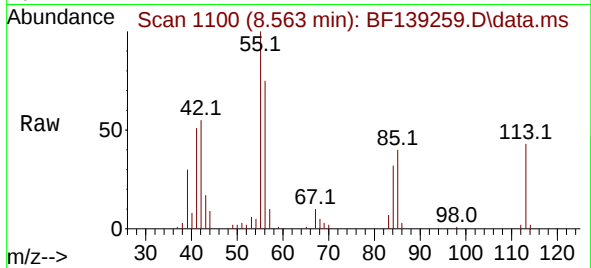
Tgt Ion:113 Resp: 9169

Ion Ratio Lower Upper

113 100

55 233.4 193.7 233.7

56 175.1 145.0 185.0



#36

4-Chloro-3-methylphenol

Concen: 6.082 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

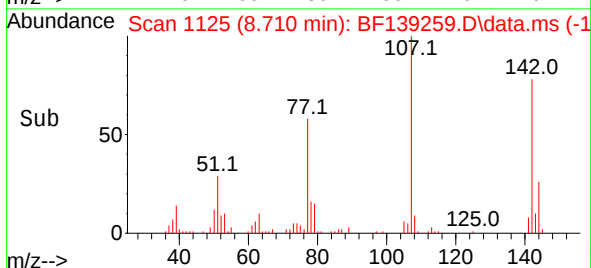
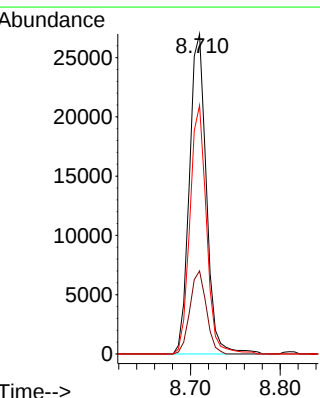
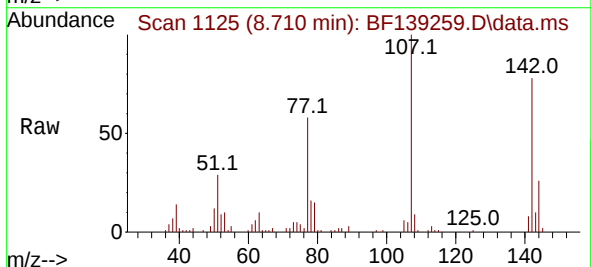
Tgt Ion:107 Resp: 35388

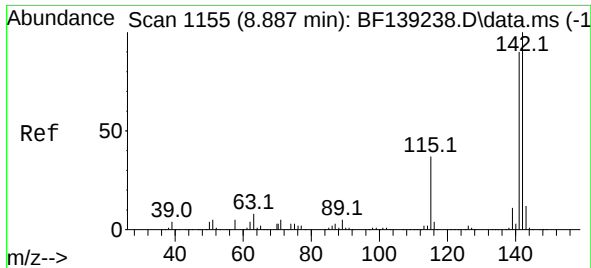
Ion Ratio Lower Upper

107 100

144 25.9 19.1 28.7

142 77.7 58.3 87.5

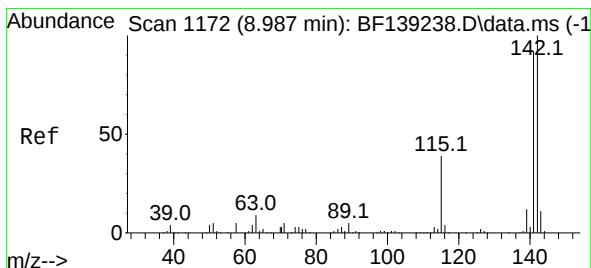
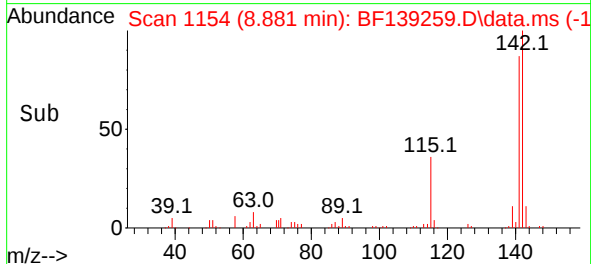
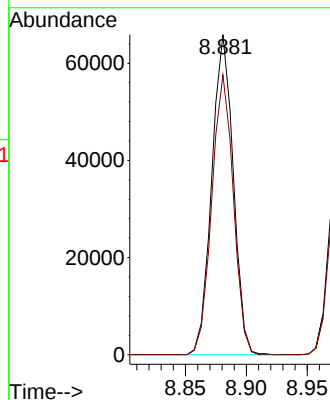
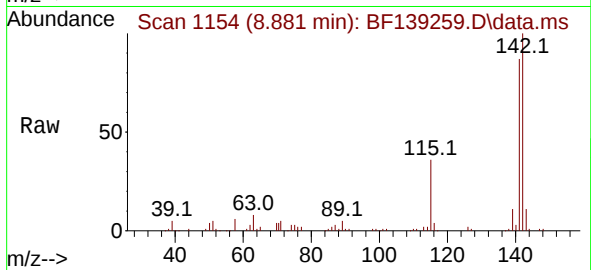




#37
2-Methylnaphthalene
Concen: 6.531 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

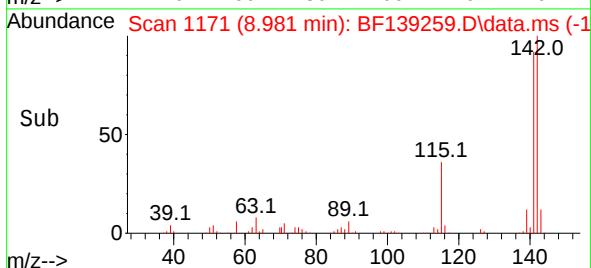
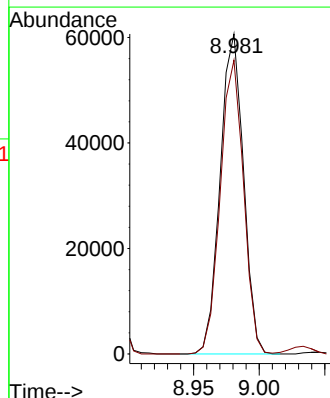
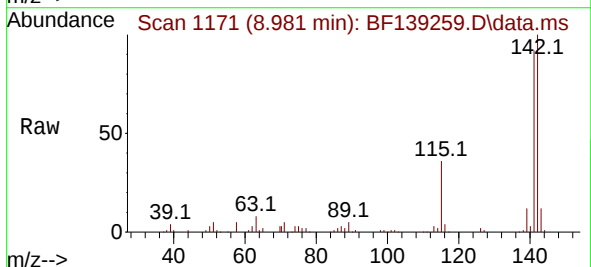
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

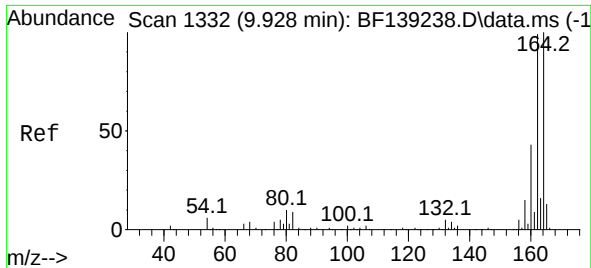
Tgt Ion:142 Resp: 80749
Ion Ratio Lower Upper
142 100
141 87.5 71.6 107.4



#38
1-Methylnaphthalene
Concen: 6.165 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:142 Resp: 74968
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

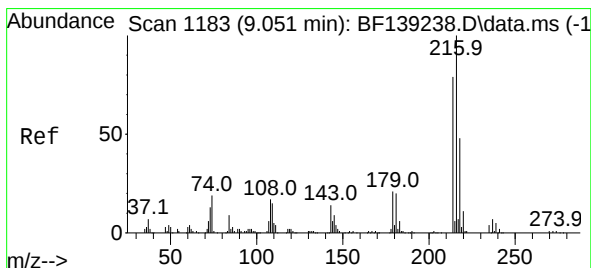
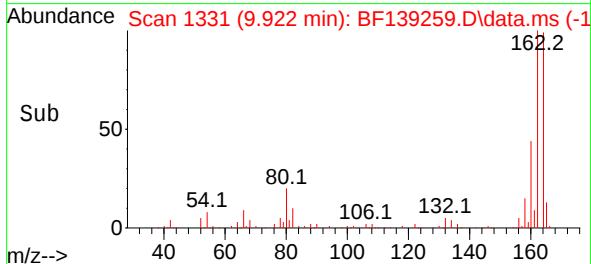
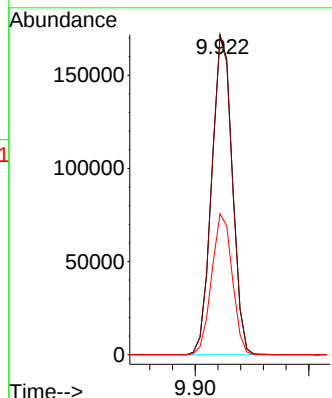
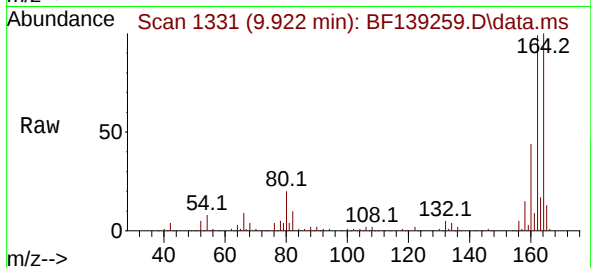
Tgt Ion:164 Resp: 215486

Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

160 44.1 34.2 51.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.373 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Tgt Ion:216 Resp: 38856

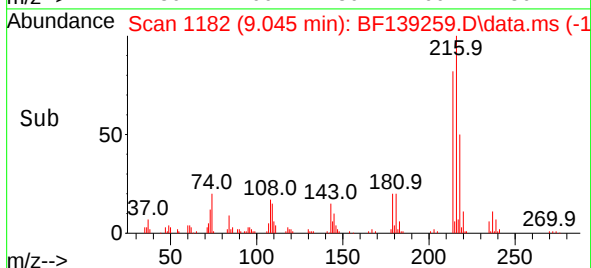
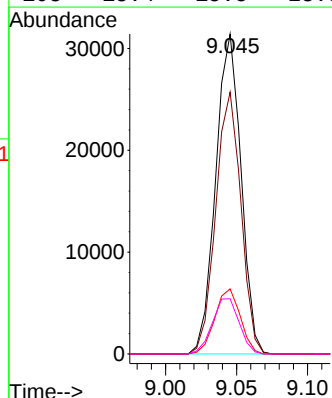
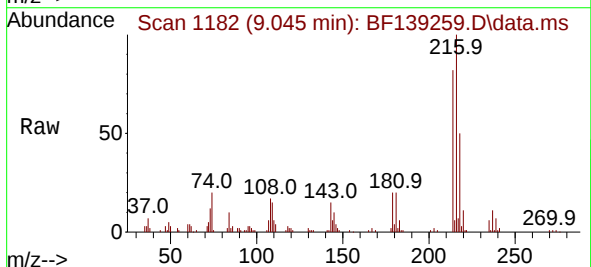
Ion Ratio Lower Upper

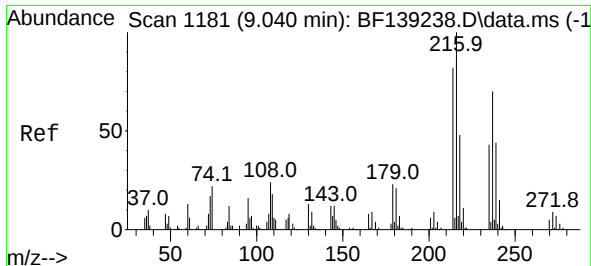
216 100

214 81.3 63.8 95.8

179 20.4 16.9 25.3

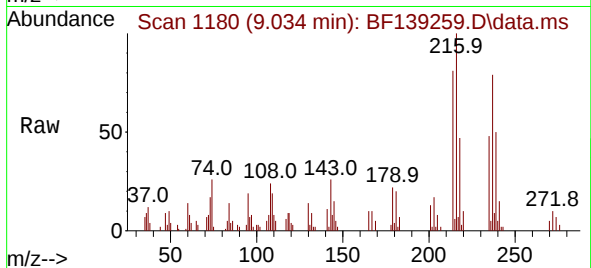
108 18.4 15.5 23.3



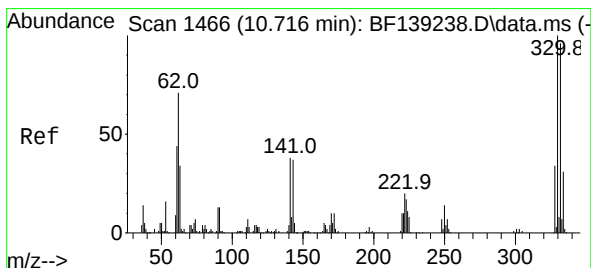
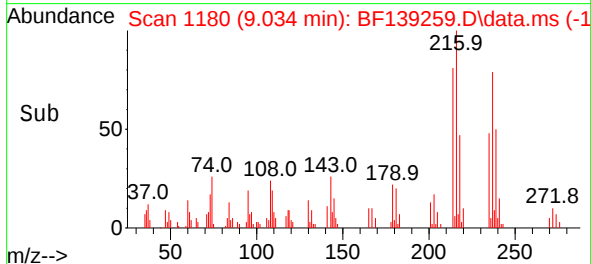
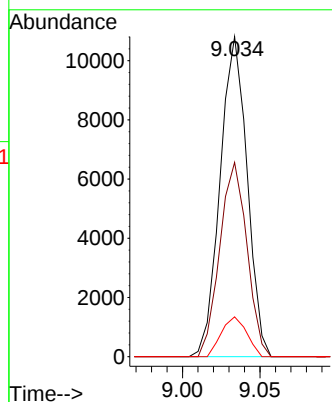


#41
Hexachlorocyclopentadiene
Concen: 6.685 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

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

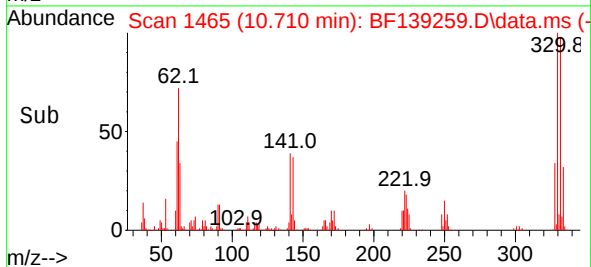
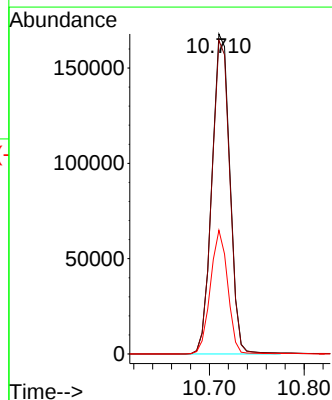
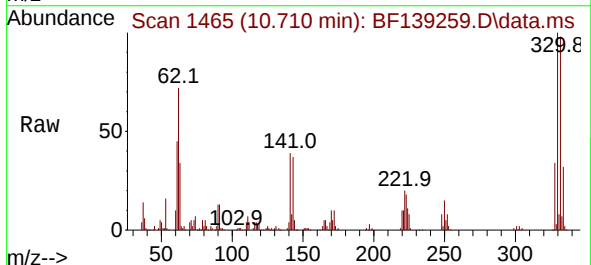


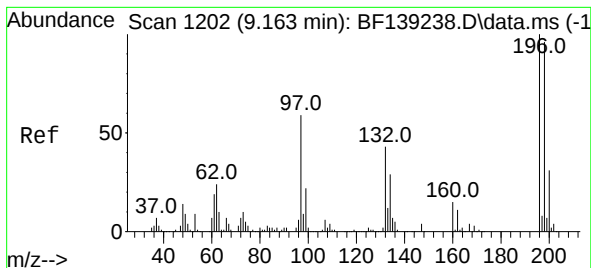
Tgt Ion	Ratio	Lower	Upper
237	100		
235	60.7	41.4	81.4
272	12.5	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 118.758 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.6	115.0
141	37.2	30.1	45.1





#43

2,4,6-Trichlorophenol

Concen: 6.004 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

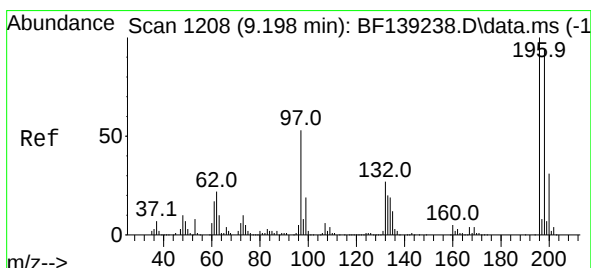
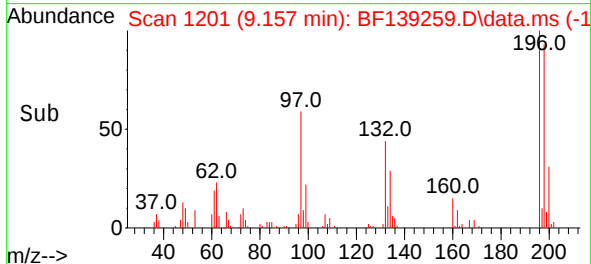
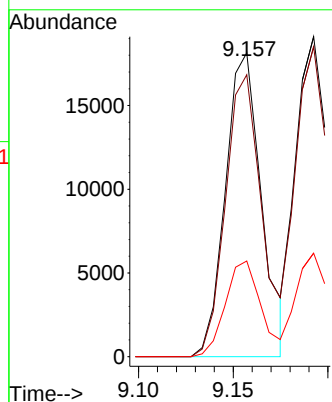
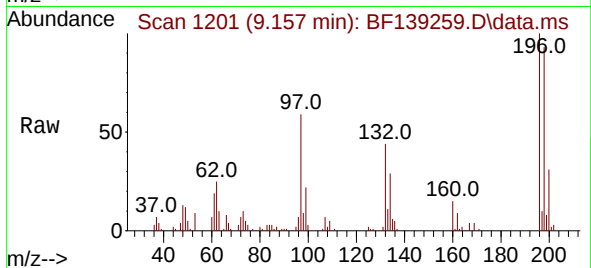
Tgt Ion:196 Resp: 23951

Ion Ratio Lower Upper

196 100

198 92.8 77.0 115.4

200 31.5 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 5.906 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Tgt Ion:196 Resp: 24688

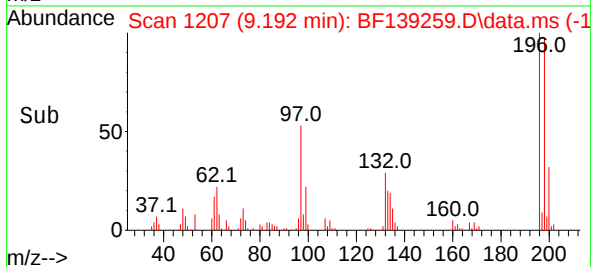
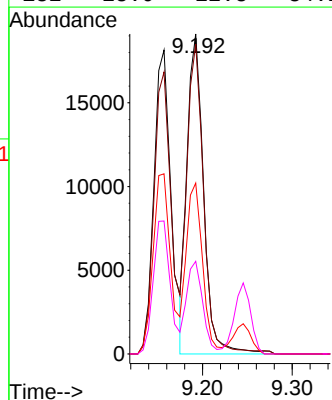
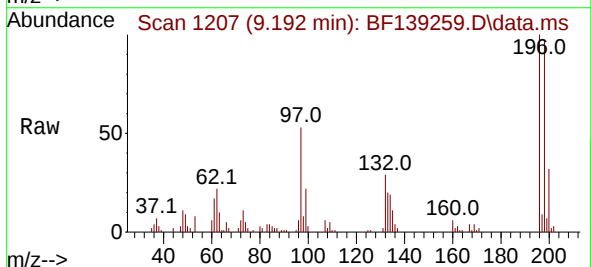
Ion Ratio Lower Upper

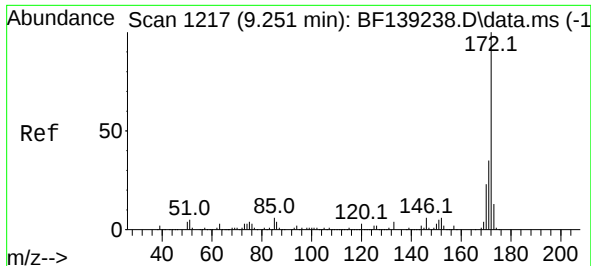
196 100

198 96.9 75.6 113.4

97 53.4 43.6 65.4

132 28.9 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 84.117 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

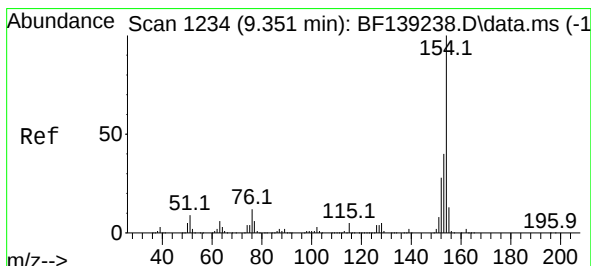
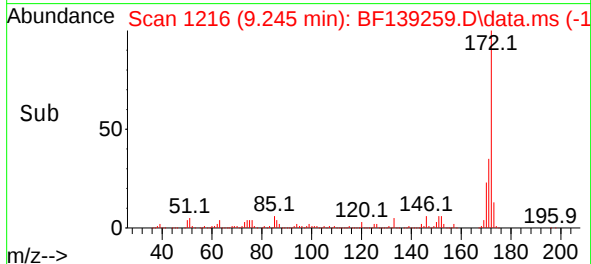
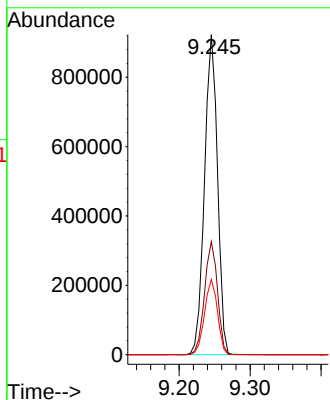
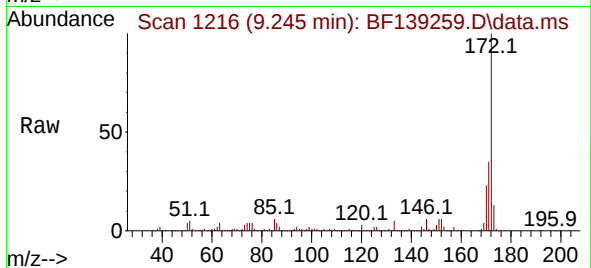
Tgt Ion:172 Resp: 1174236

Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 6.726 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

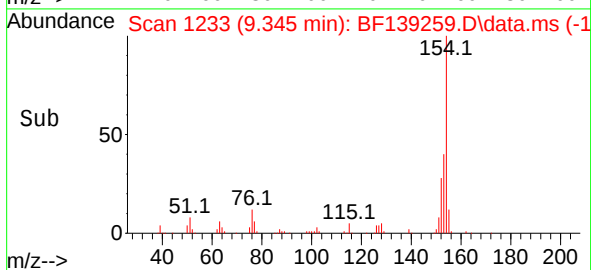
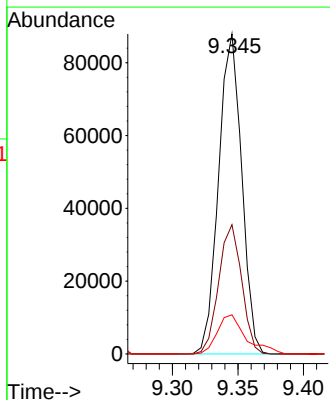
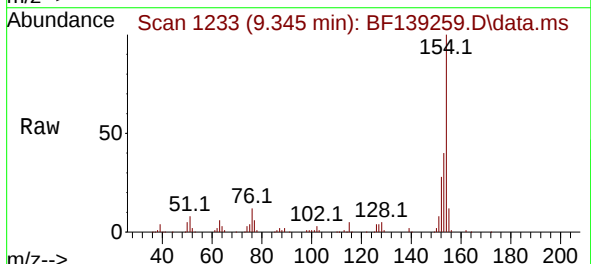
Tgt Ion:154 Resp: 107383

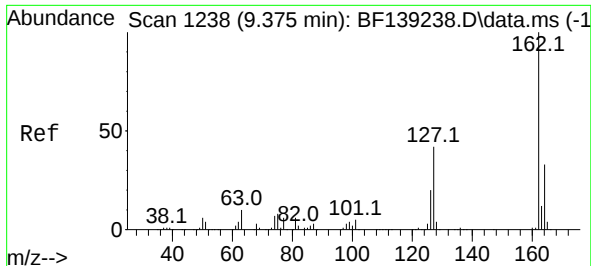
Ion Ratio Lower Upper

154 100

153 40.4 20.1 60.1

76 12.3 0.0 32.3





#47

2-Chloronaphthalene

Concen: 6.341 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

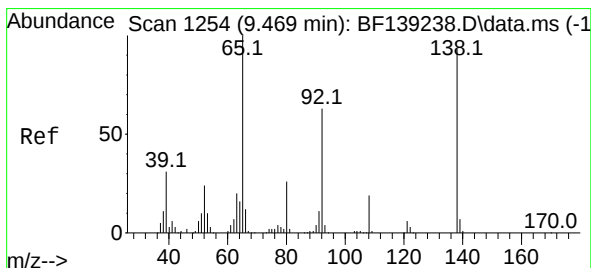
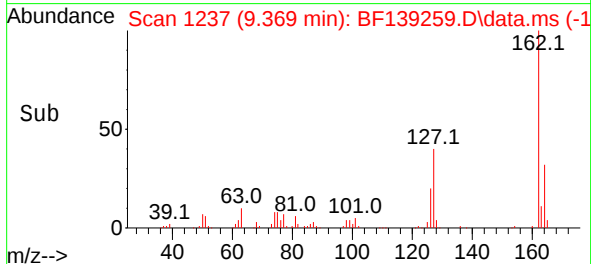
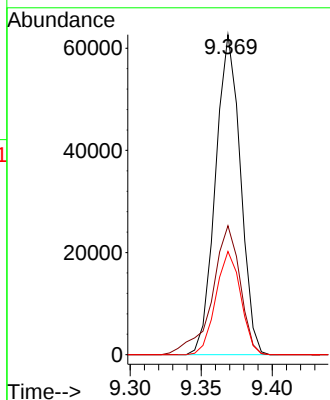
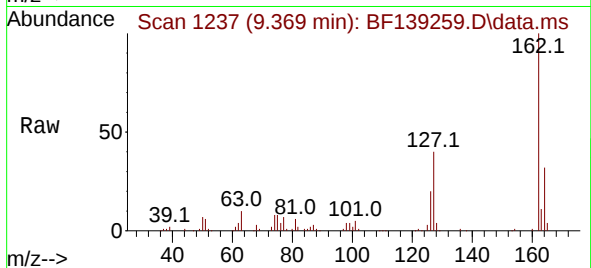
Tgt Ion:162 Resp: 76448

Ion Ratio Lower Upper

162 100

127 40.3 34.2 51.4

164 32.2 26.2 39.2



#48

2-Nitroaniline

Concen: 5.984 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

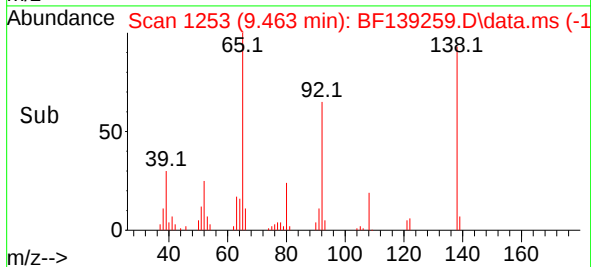
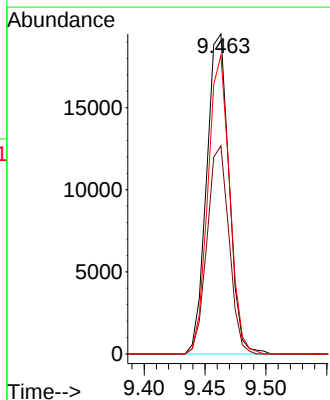
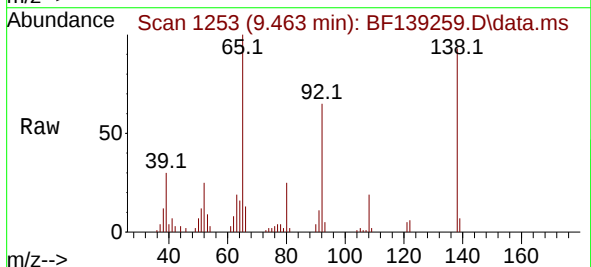
Tgt Ion: 65 Resp: 24848

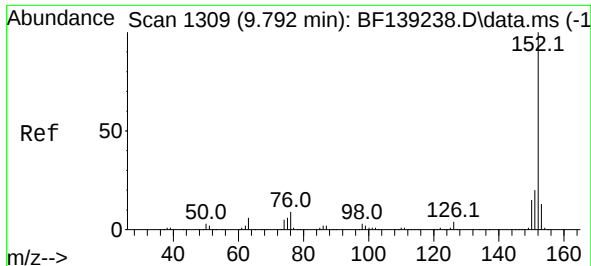
Ion Ratio Lower Upper

65 100

92 65.1 50.4 75.6

138 93.3 74.2 111.4





#49

Acenaphthylene

Concen: 6.934 ng

RT: 9.781 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

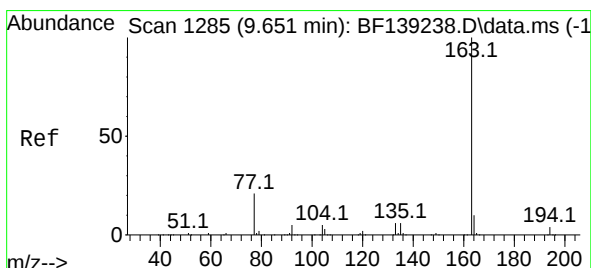
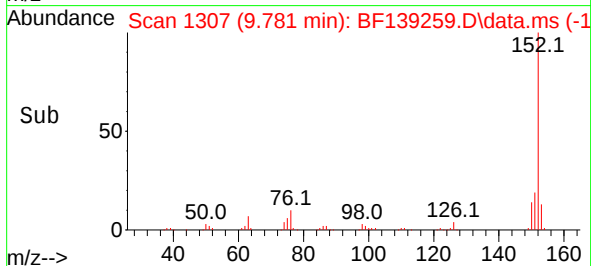
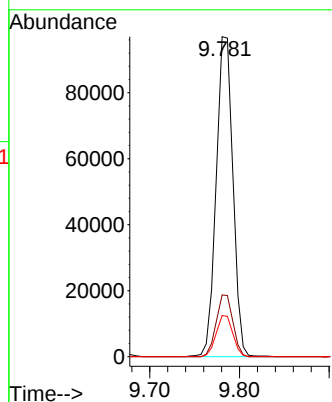
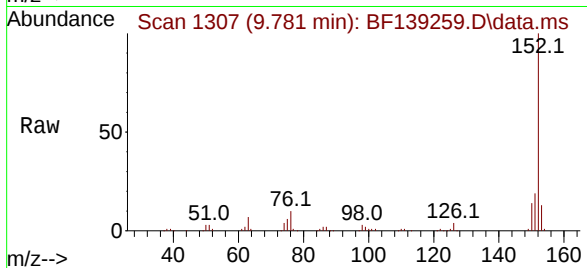
Tgt Ion:152 Resp: 125893

Ion Ratio Lower Upper

152 100

151 19.3 16.0 24.0

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 6.581 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

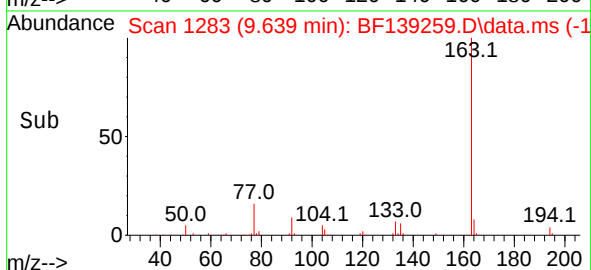
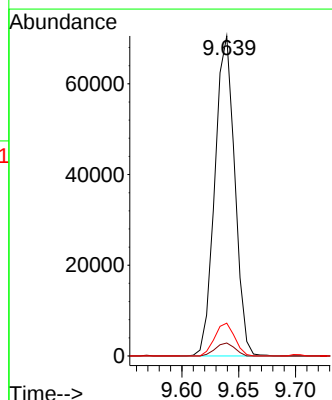
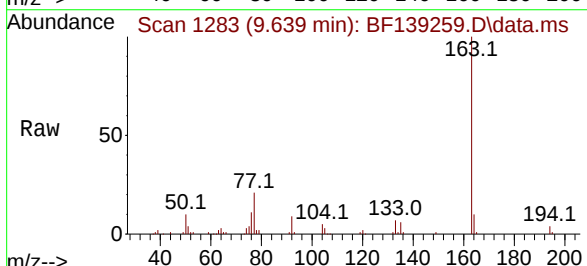
Tgt Ion:163 Resp: 85950

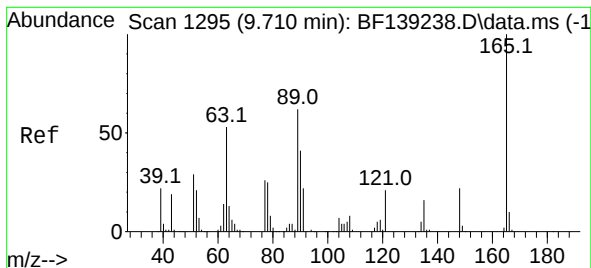
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.3 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 5.858 ng

RT: 9.698 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

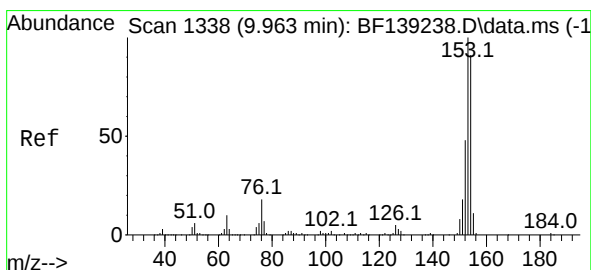
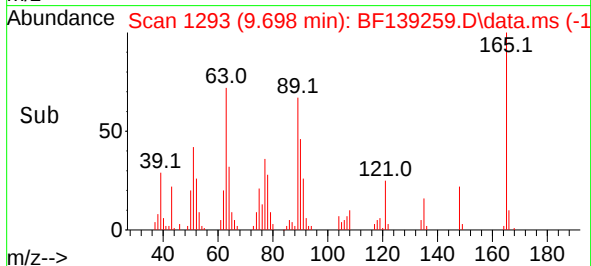
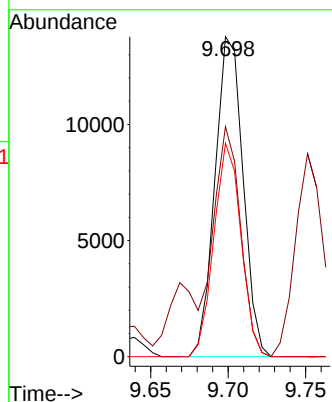
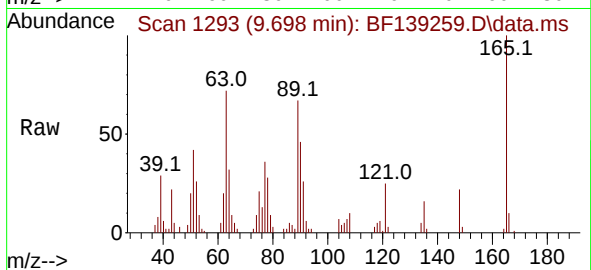
Tgt Ion:165 Resp: 17357

Ion Ratio Lower Upper

165 100

63 71.9 56.1 84.1

89 66.7 49.7 74.5



#52

Acenaphthene

Concen: 6.059 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

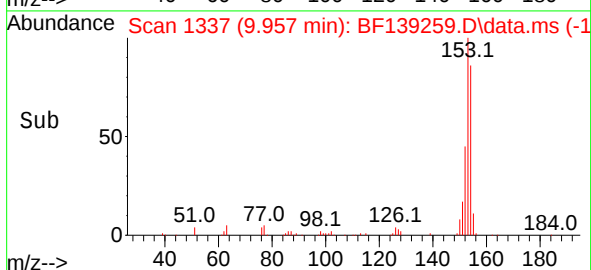
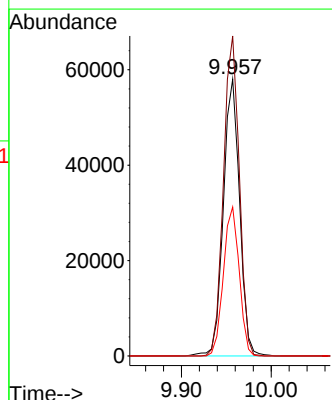
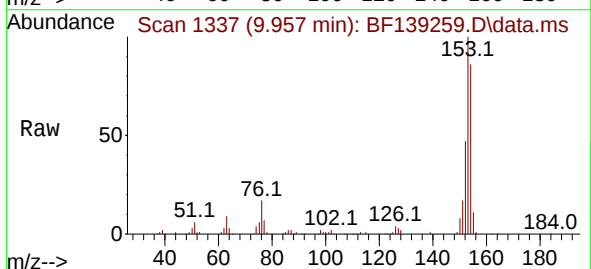
Tgt Ion:154 Resp: 72970

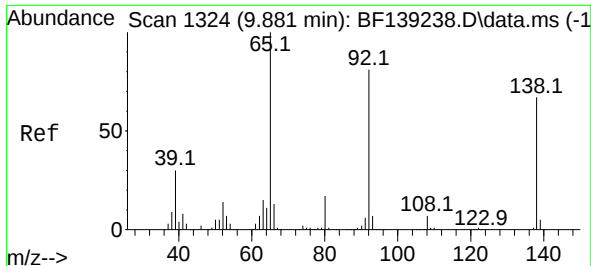
Ion Ratio Lower Upper

154 100

153 115.6 87.8 131.6

152 53.8 41.7 62.5





#53

3-Nitroaniline

Concen: 6.023 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

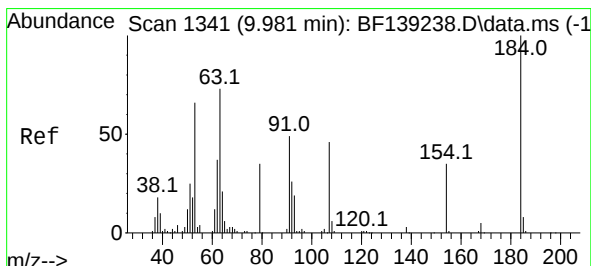
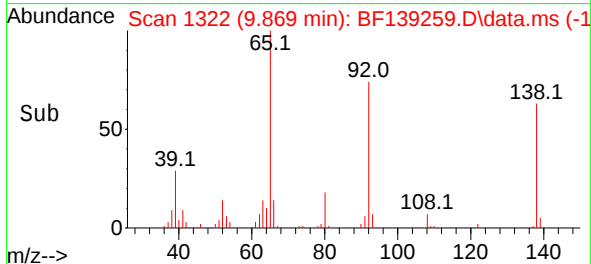
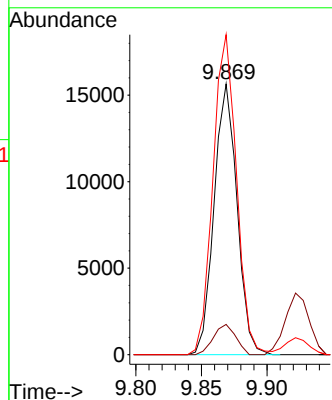
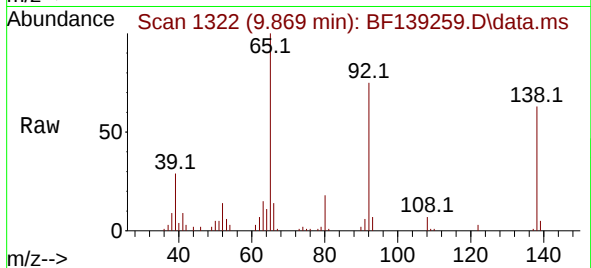
Tgt Ion:138 Resp: 19014

Ion Ratio Lower Upper

138 100

108 11.1 8.6 13.0

92 118.2 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 8.971 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

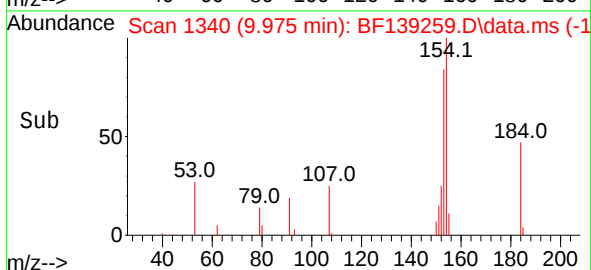
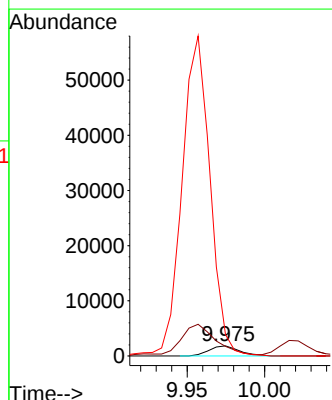
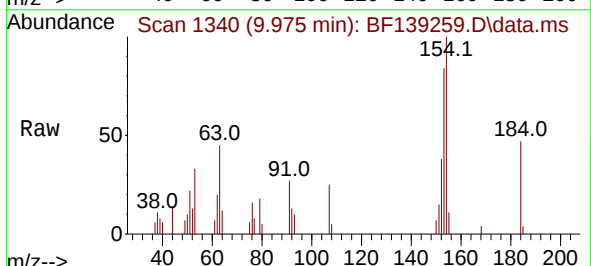
Tgt Ion:184 Resp: 2476

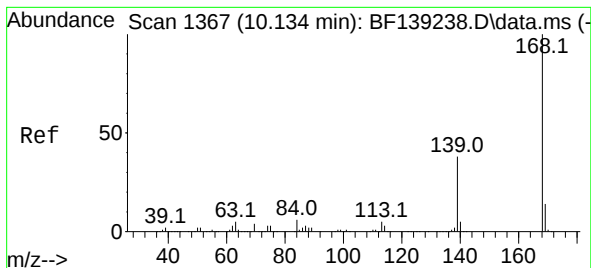
Ion Ratio Lower Upper

184 100

63 96.6 66.4 99.6

154 214.2 97.0 145.6#





#55

Dibenzenofuran

Concen: 6.663 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

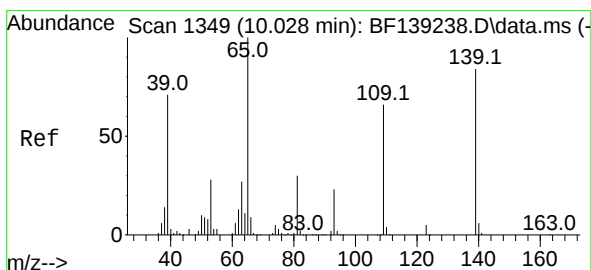
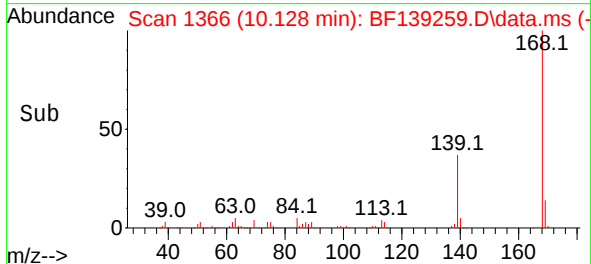
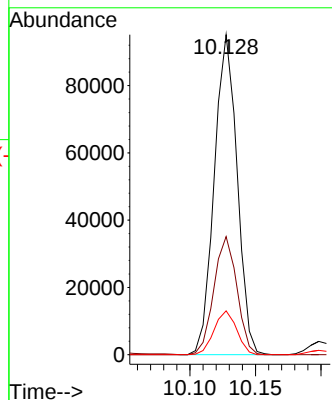
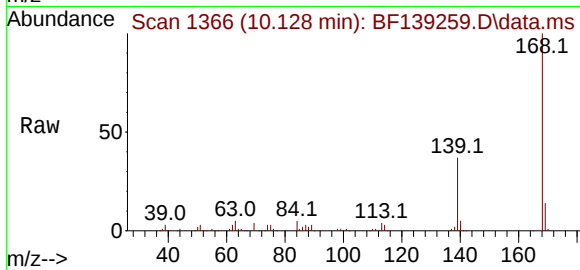
Tgt Ion:168 Resp: 115051

Ion Ratio Lower Upper

168 100

139 36.9 30.2 45.4

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 4.842 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

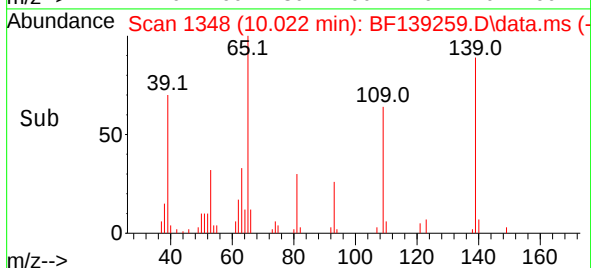
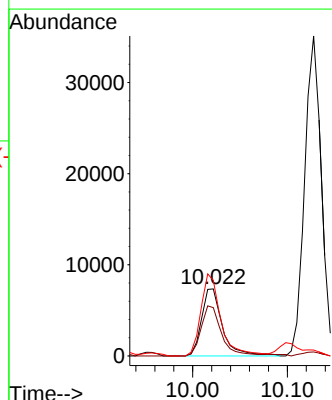
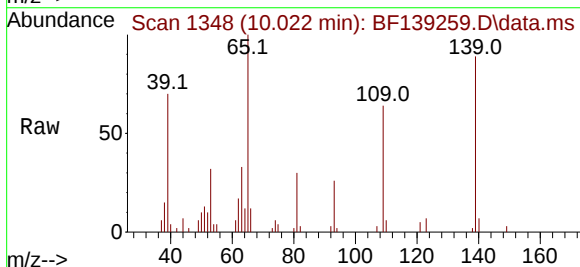
Tgt Ion:139 Resp: 11283

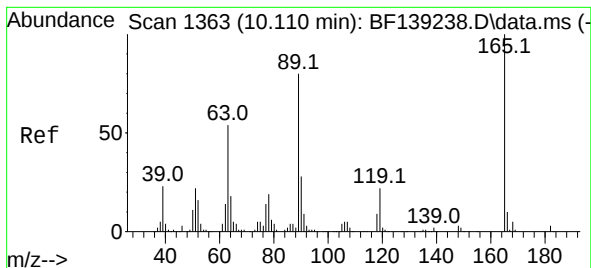
Ion Ratio Lower Upper

139 100

109 72.1 58.7 98.7

65 112.7 100.3 140.3





#57

2,4-Dinitrotoluene

Concen: 5.794 ng

RT: 10.098 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 21852

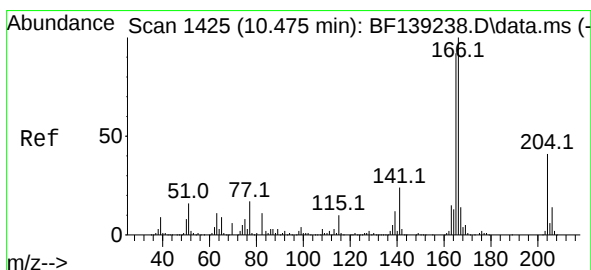
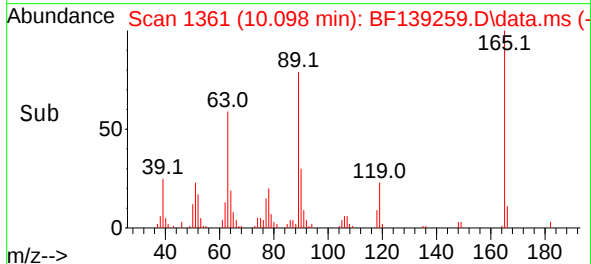
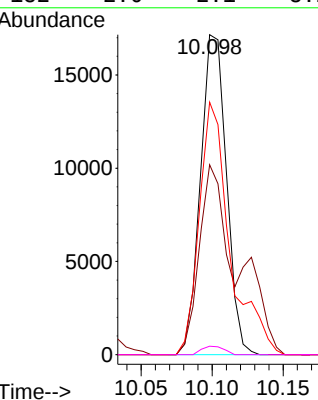
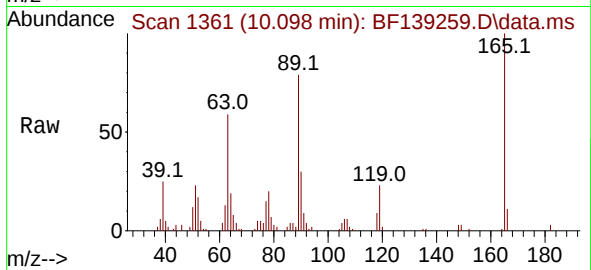
Ion Ratio Lower Upper

165 100

63 59.4 43.4 65.0

89 78.9 64.2 96.4

182 2.6 2.1 3.1



#58

Fluorene

Concen: 6.728 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

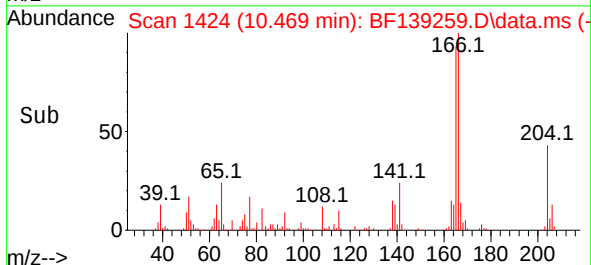
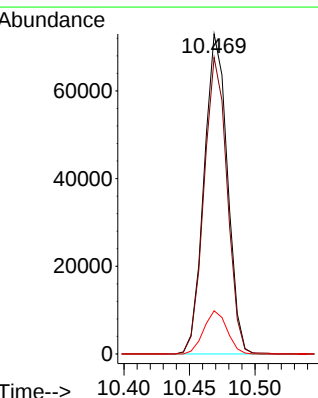
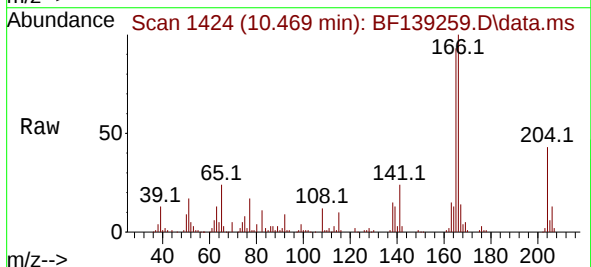
Tgt Ion:166 Resp: 90059

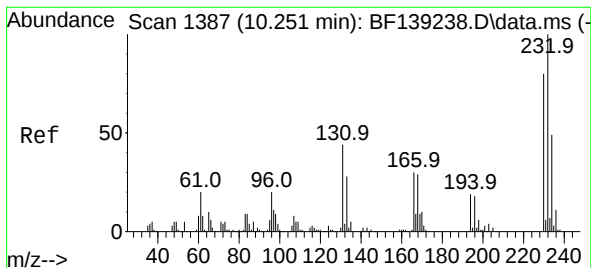
Ion Ratio Lower Upper

166 100

165 92.6 73.7 110.5

167 13.5 10.9 16.3

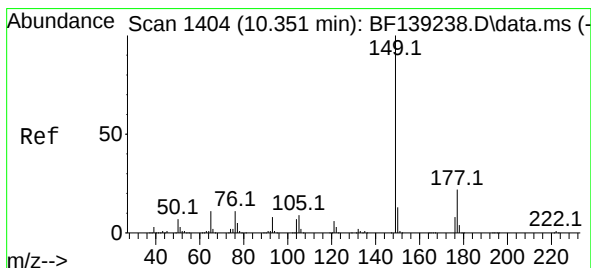
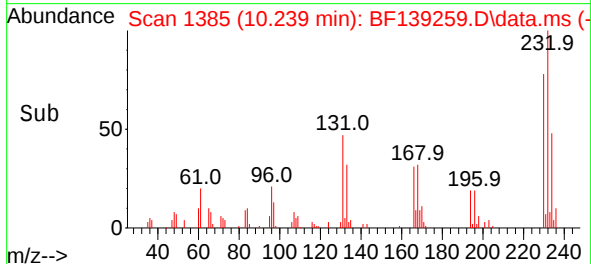
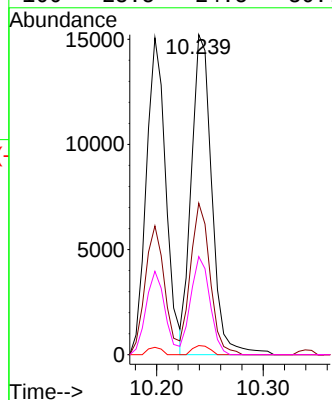
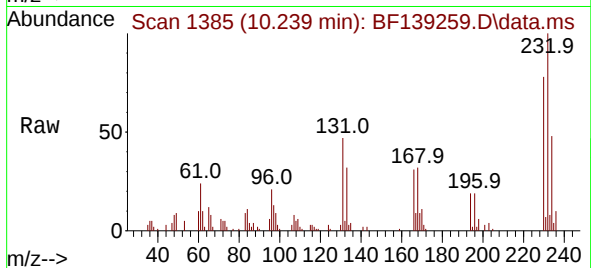




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.167 ng
RT: 10.239 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

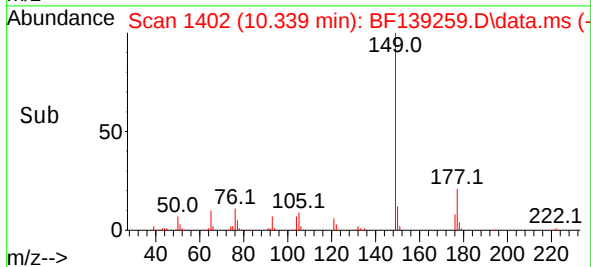
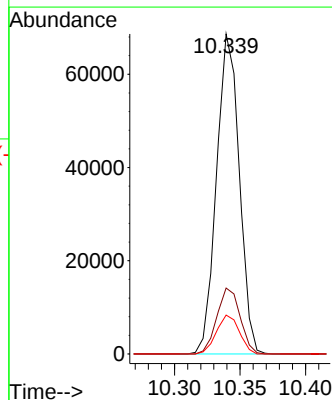
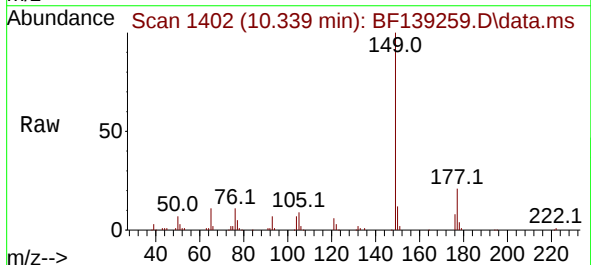
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

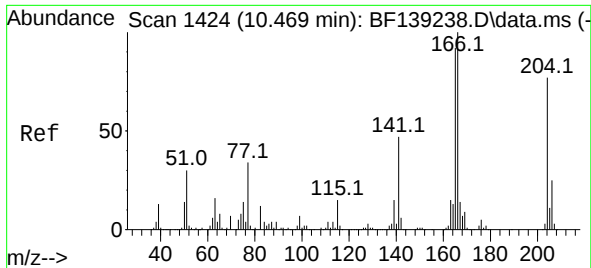
Tgt Ion:232 Resp: 20291
Ion Ratio Lower Upper
232 100
131 44.9 37.7 56.5
130 2.4 1.9 2.9
166 28.5 24.5 36.7



#60
Diethylphthalate
Concen: 6.438 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:149 Resp: 82751
Ion Ratio Lower Upper
149 100
177 20.6 17.7 26.5
150 12.2 10.2 15.2

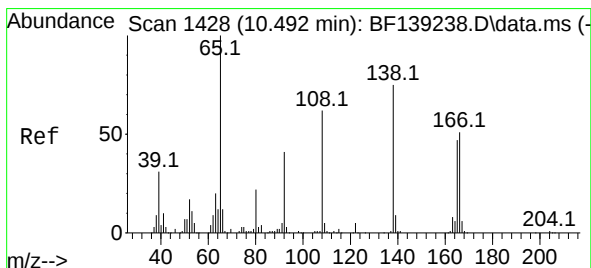
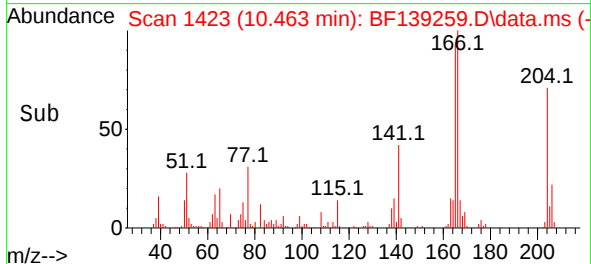
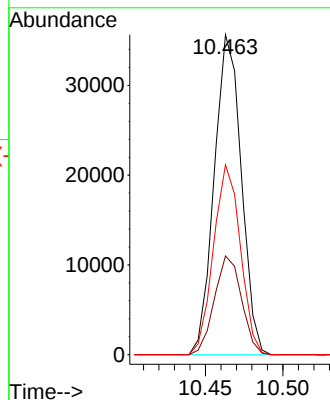
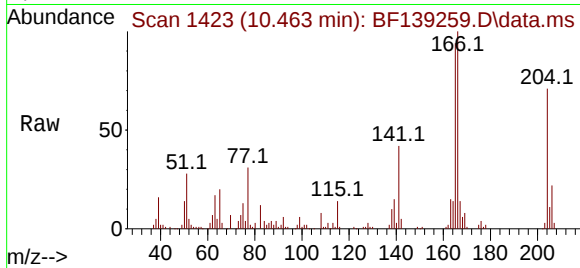




#61
4-Chlorophenyl-phenylether
Concen: 6.701 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

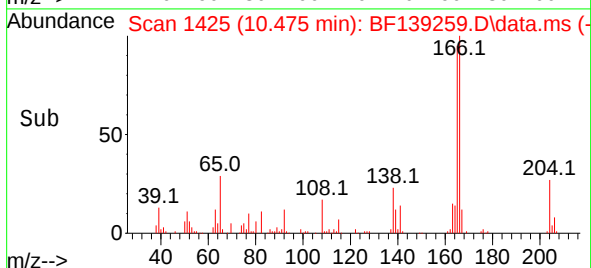
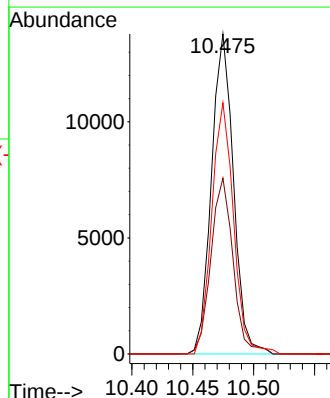
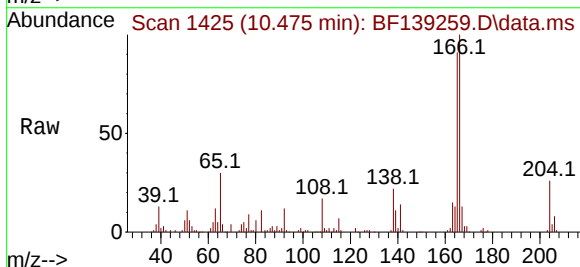
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

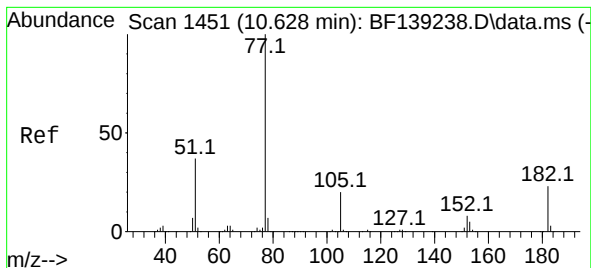
Tgt Ion:204 Resp: 43258
Ion Ratio Lower Upper
204 100
206 30.9 25.8 38.8
141 59.3 48.6 72.8



#62
4-Nitroaniline
Concen: 5.749 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:138 Resp: 17275
Ion Ratio Lower Upper
138 100
92 55.0 34.4 74.4
108 78.5 62.7 102.7





#63

Azobenzene

Concen: 6.360 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 86161

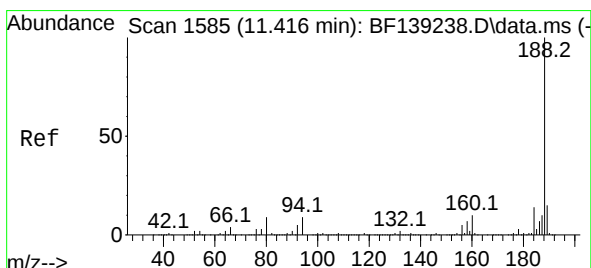
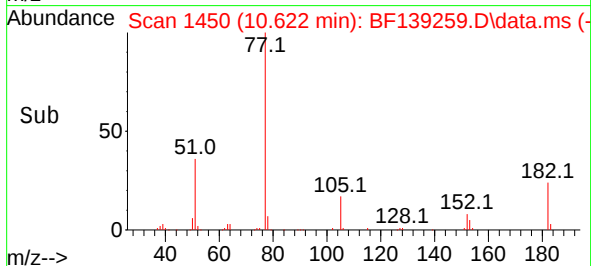
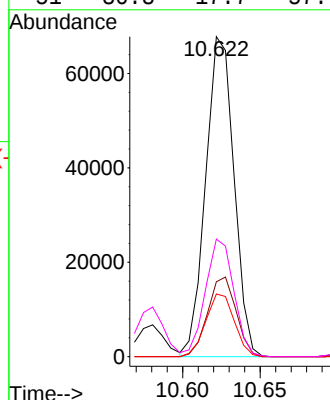
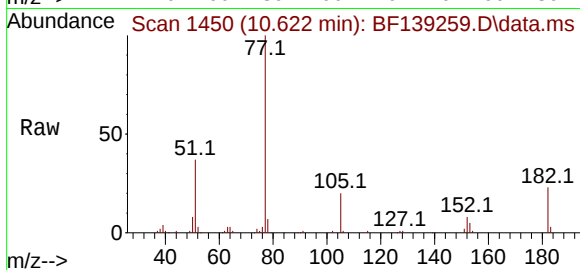
Ion Ratio Lower Upper

77 100

182 23.4 3.0 43.0

105 19.6 0.0 39.4

51 36.8 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

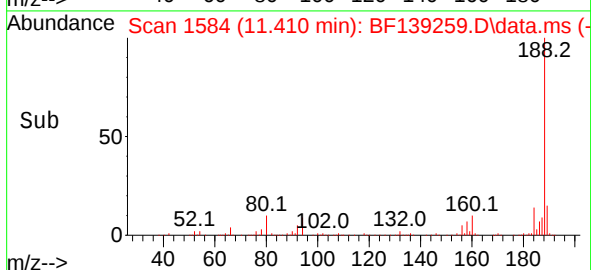
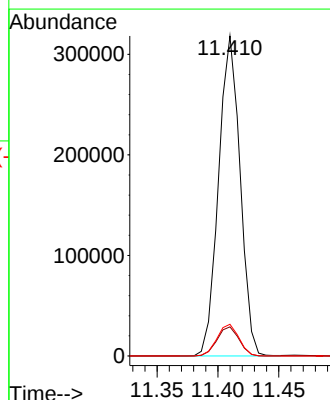
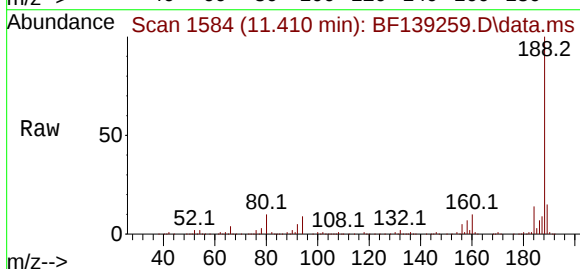
Tgt Ion:188 Resp: 392752

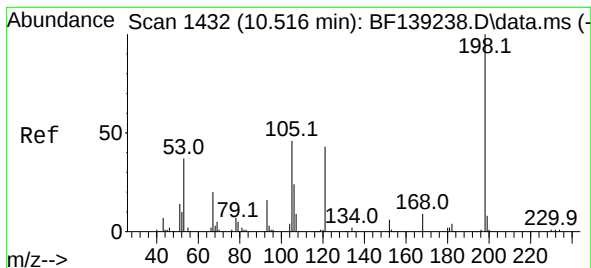
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 9.9 7.3 10.9

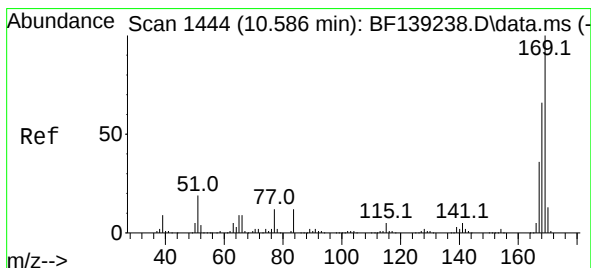
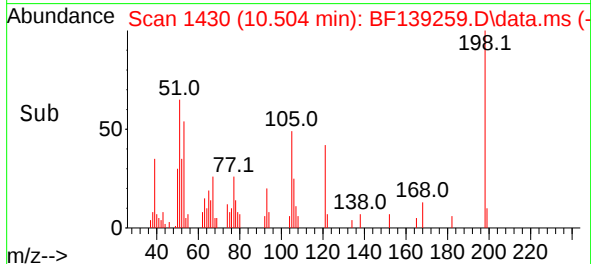
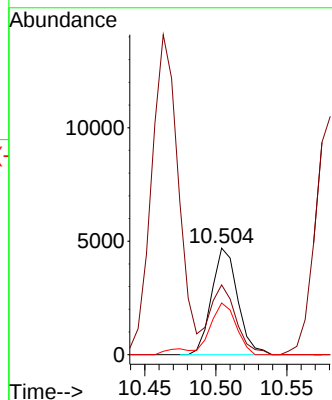
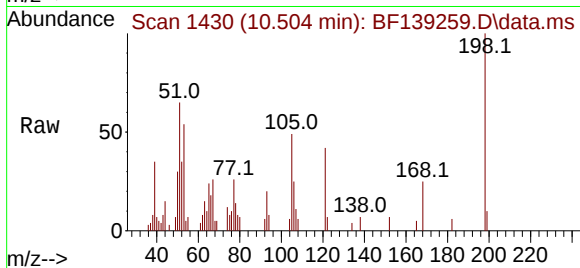




#65
4,6-Dinitro-2-methylphenol
Concen: 3.294 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

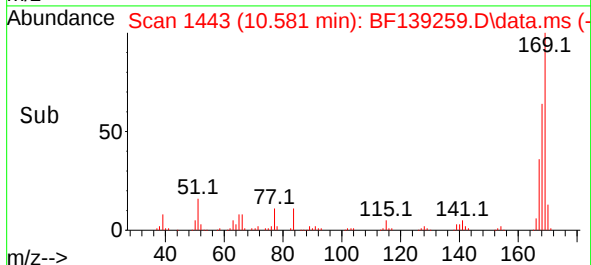
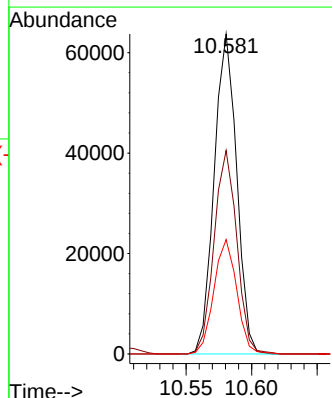
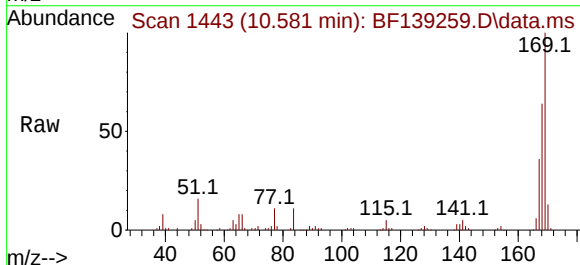
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

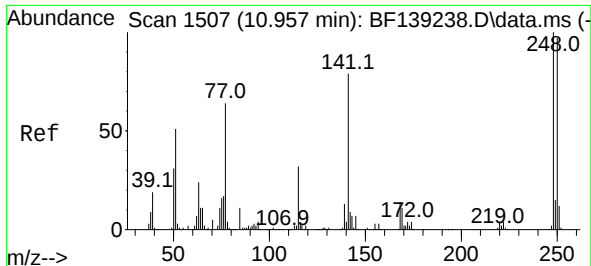
Tgt Ion:198 Resp: 5977
Ion Ratio Lower Upper
198 100
51 65.5 47.2 87.2
105 48.5 27.1 67.1



#66
n-Nitrosodiphenylamine
Concen: 6.649 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:169 Resp: 76017
Ion Ratio Lower Upper
169 100
168 63.6 53.0 79.6
167 35.7 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 6.395 ng

RT: 10.957 min Scan# 1507

Delta R.T. -0.000 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

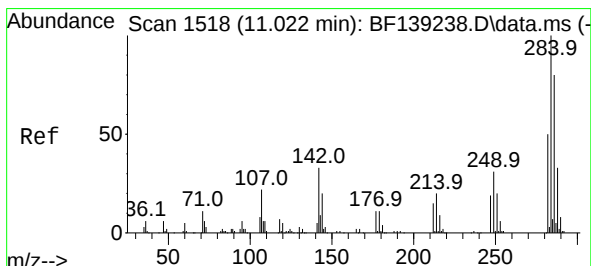
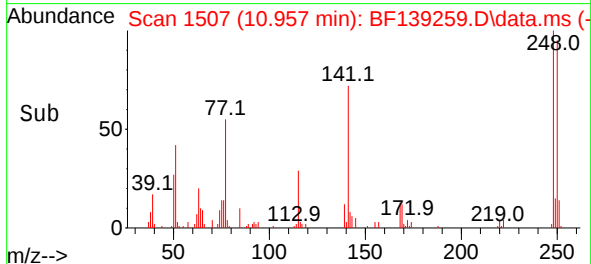
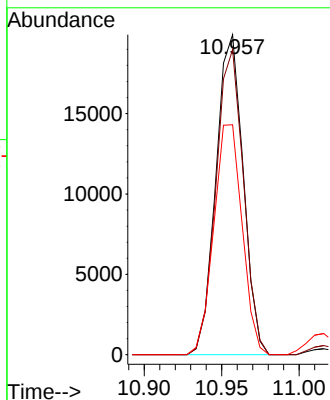
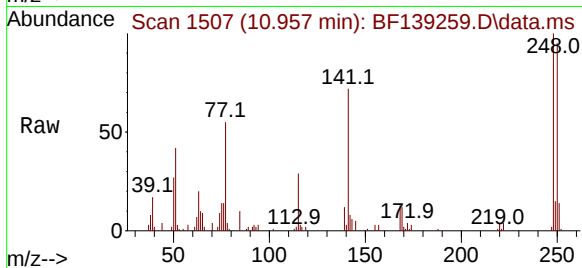
Tgt Ion:248 Resp: 24368

Ion Ratio Lower Upper

248 100

250 95.3 77.2 115.8

141 71.8 63.6 95.4



#68

Hexachlorobenzene

Concen: 6.440 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

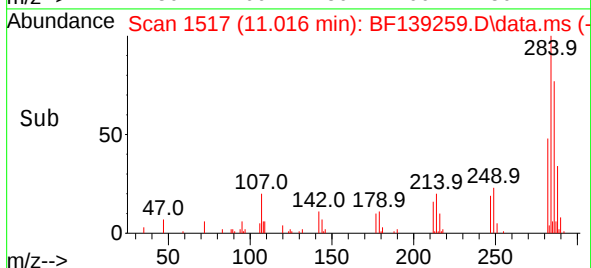
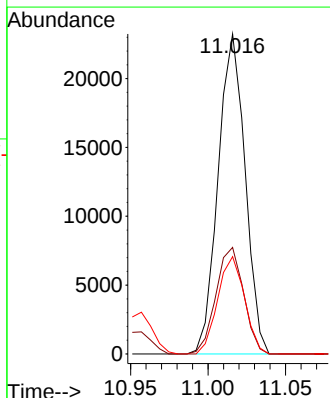
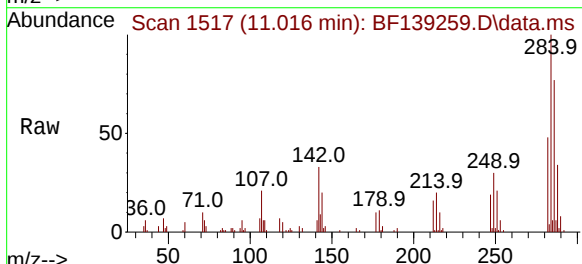
Tgt Ion:284 Resp: 28094

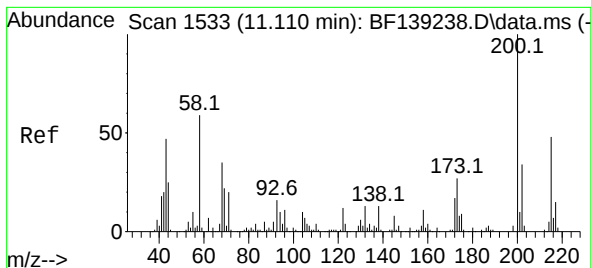
Ion Ratio Lower Upper

284 100

142 33.3 26.5 39.7

249 30.4 24.8 37.2





#69

Atrazine

Concen: 7.857 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

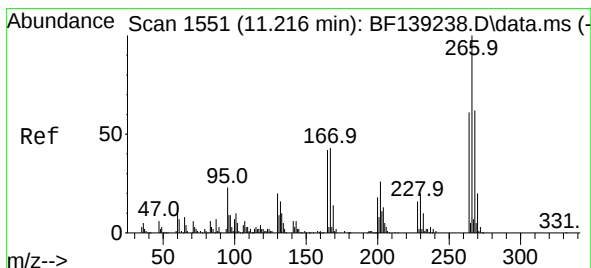
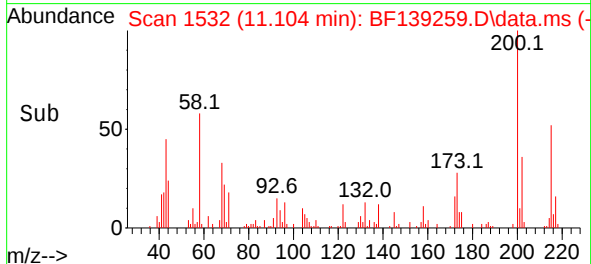
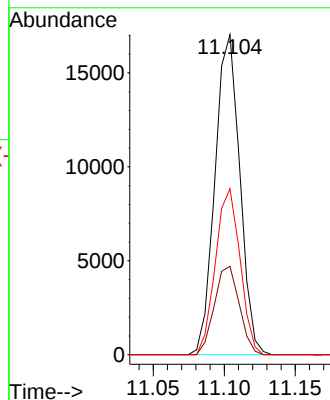
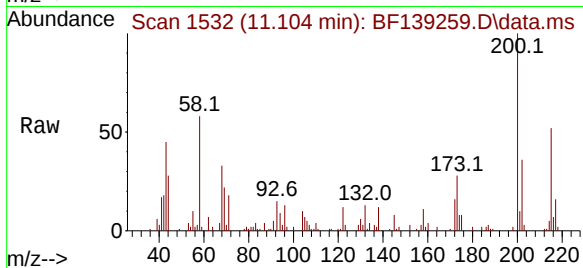
Tgt Ion:200 Resp: 20724

Ion Ratio Lower Upper

200 100

173 27.6 7.1 47.1

215 51.9 28.5 68.5



#70

Pentachlorophenol

Concen: 4.061 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

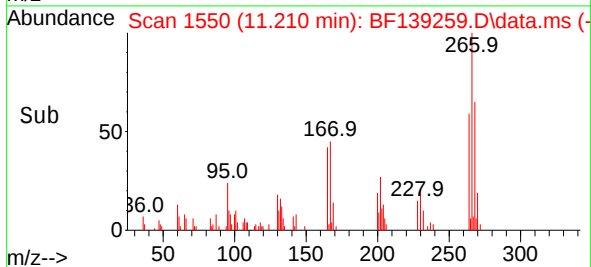
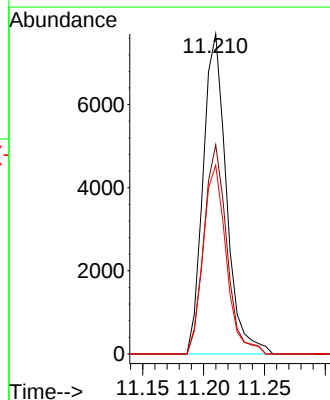
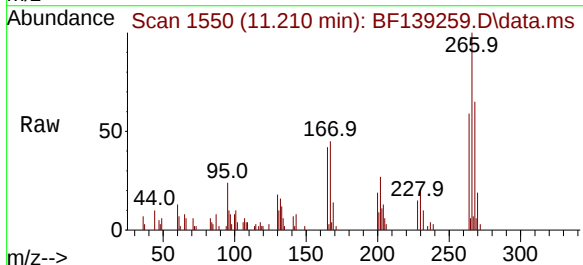
Tgt Ion:266 Resp: 10234

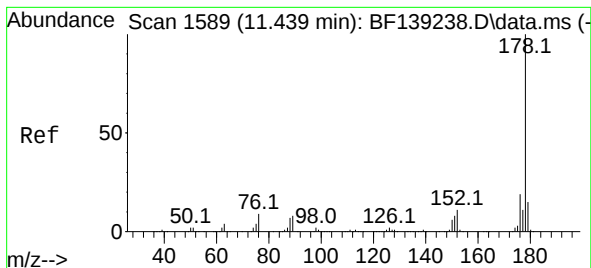
Ion Ratio Lower Upper

266 100

268 65.3 49.7 74.5

264 59.0 49.2 73.8





#71

Phenanthrene

Concen: 6.804 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

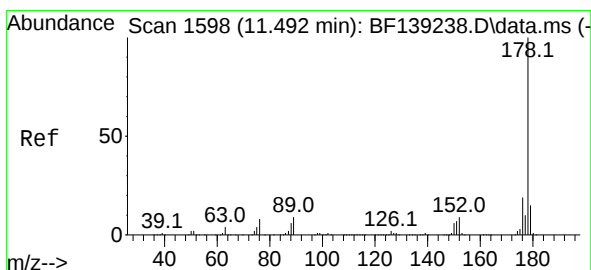
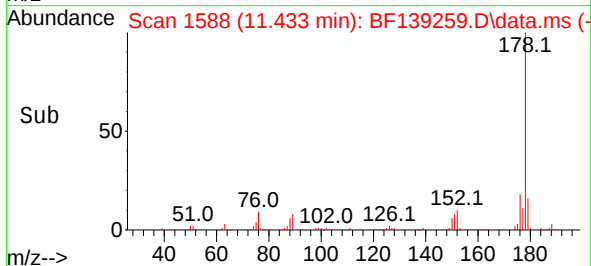
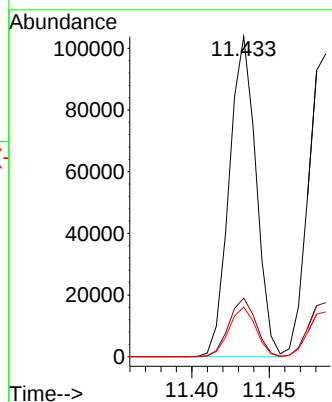
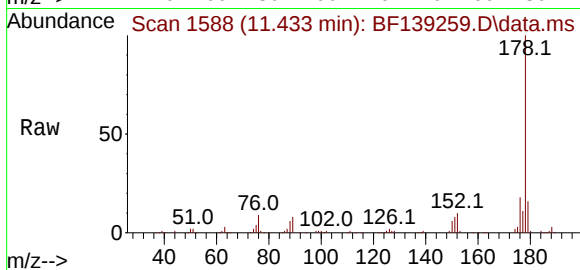
Tgt Ion:178 Resp: 124829

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.5 12.3 18.5



#72

Anthracene

Concen: 6.954 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

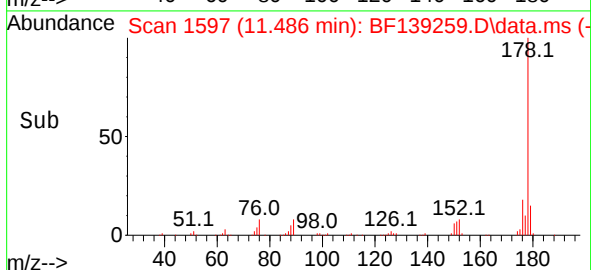
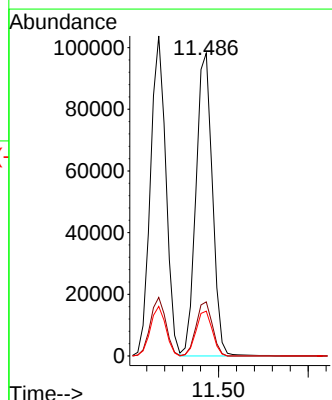
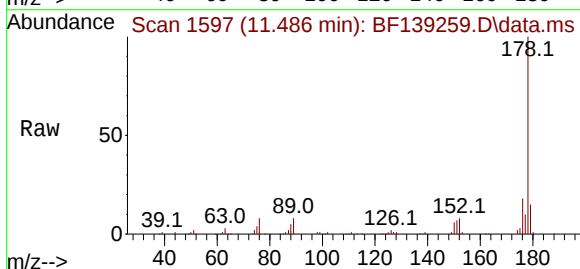
Tgt Ion:178 Resp: 124646

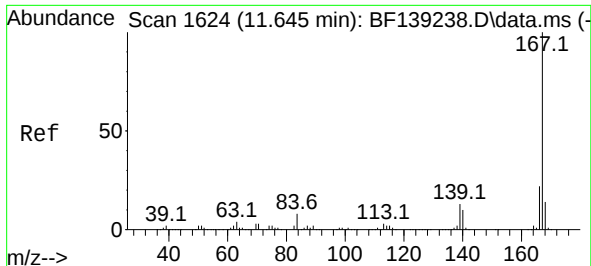
Ion Ratio Lower Upper

178 100

176 17.9 15.0 22.4

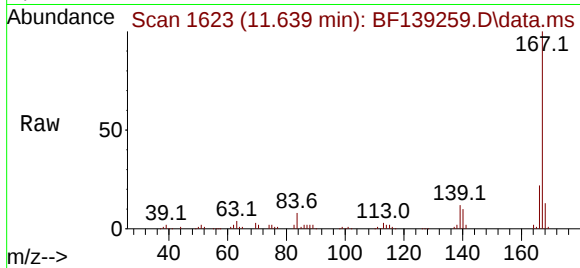
179 14.8 12.3 18.5



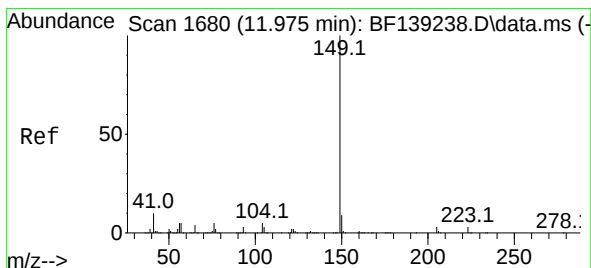
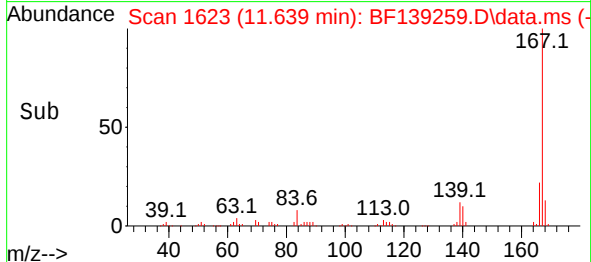
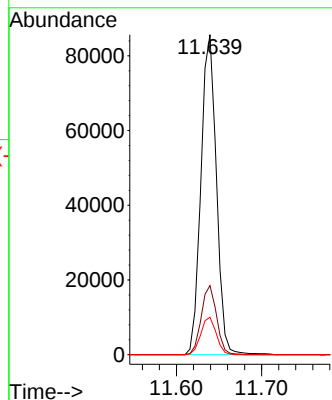


#73
Carbazole
Concen: 6.448 ng
RT: 11.639 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

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

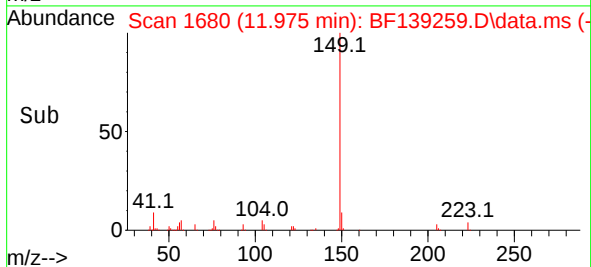
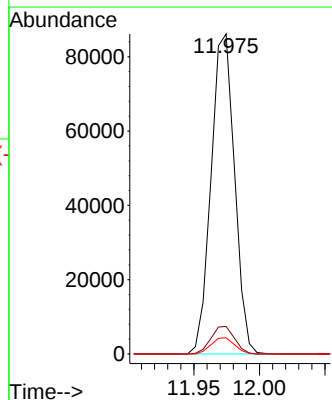
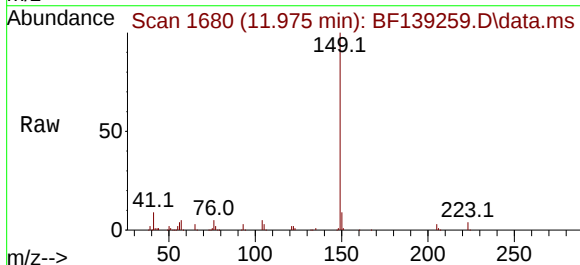


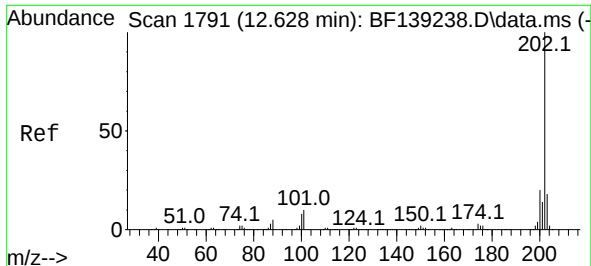
Tgt Ion:167 Resp: 108008
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 11.7 10.2 15.4



#74
Di-n-butylphthalate
Concen: 6.253 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:149 Resp: 107247
Ion Ratio Lower Upper
149 100
150 8.6 7.5 11.3
104 5.0 3.9 5.9

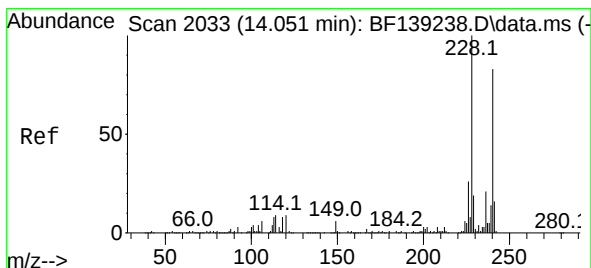
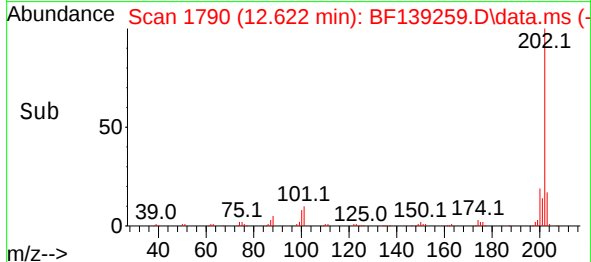
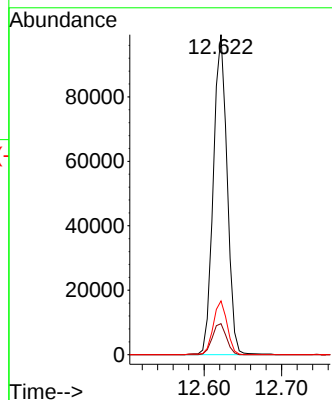
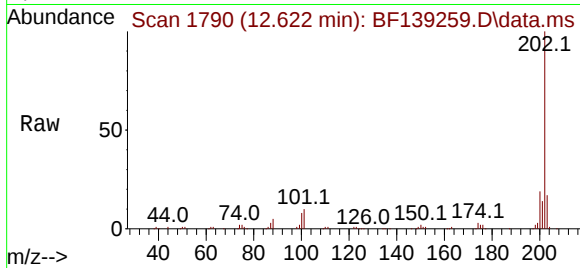




#75
Fluoranthene
Concen: 6.682 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

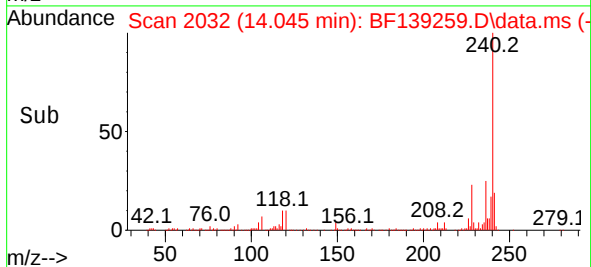
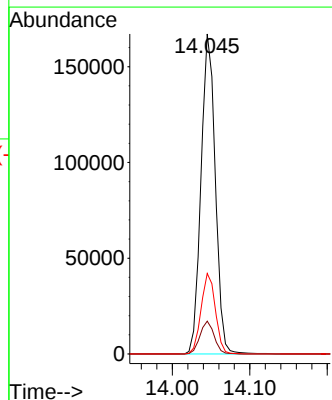
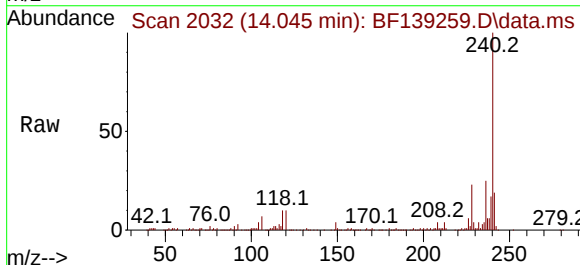
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

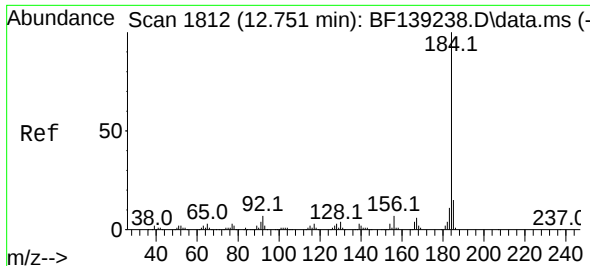
Tgt Ion:	202	Resp:	122911
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	29.9
203	16.8	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:	240	Resp:	214033
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.6	12.8
236	25.1	20.7	31.1

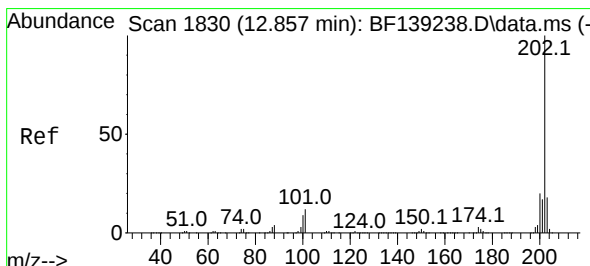
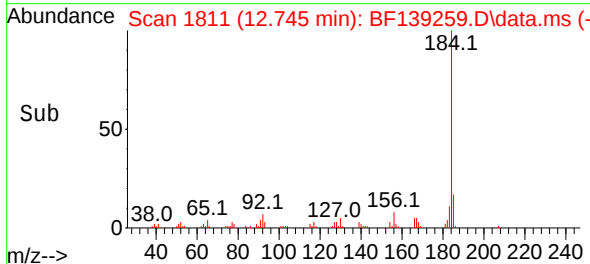
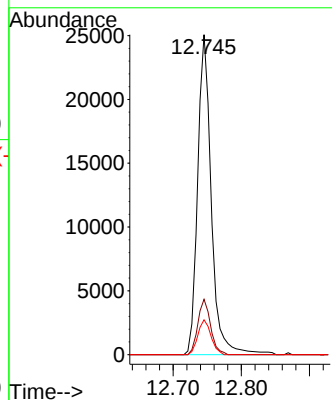
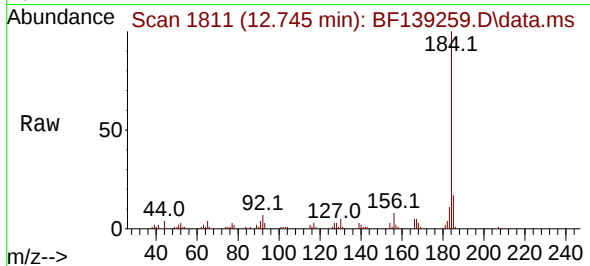




#77
Benzidine
Concen: 8.088 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

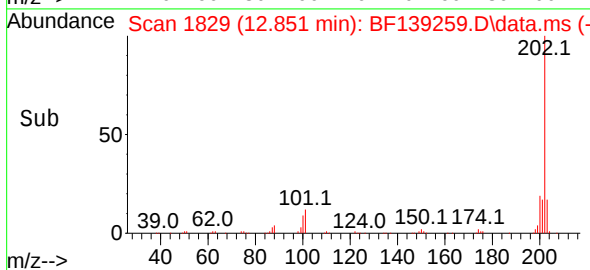
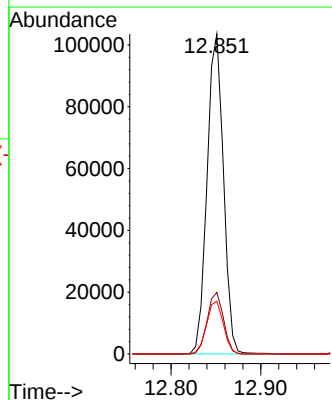
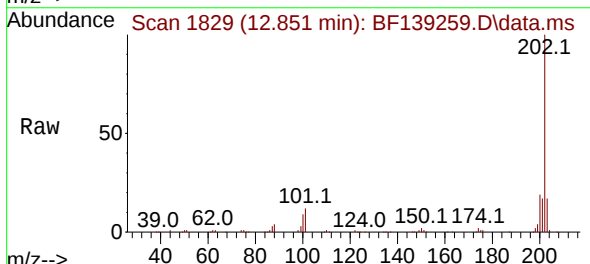
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

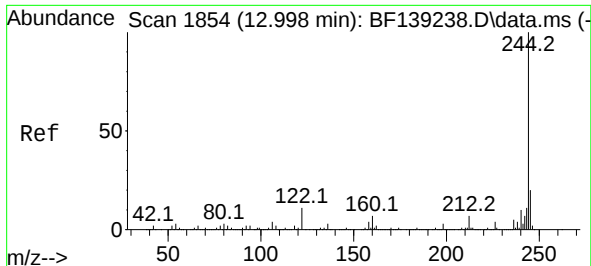
Tgt Ion:184 Resp: 34855
Ion Ratio Lower Upper
184 100
185 17.3 11.9 17.9
183 10.9 8.8 13.2



#78
Pyrene
Concen: 6.337 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:202 Resp: 131028
Ion Ratio Lower Upper
202 100
200 19.3 15.8 23.8
203 16.5 14.1 21.1

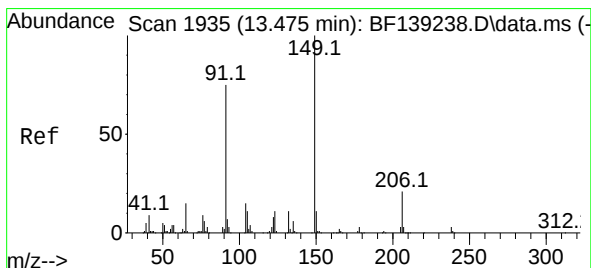
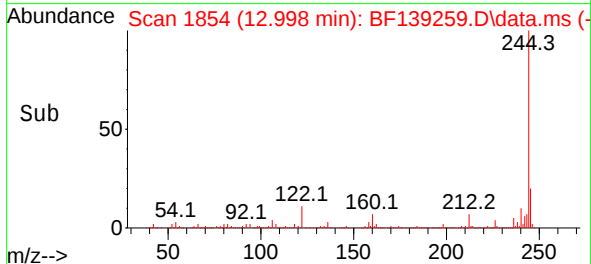
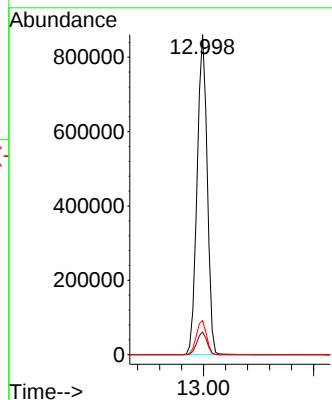
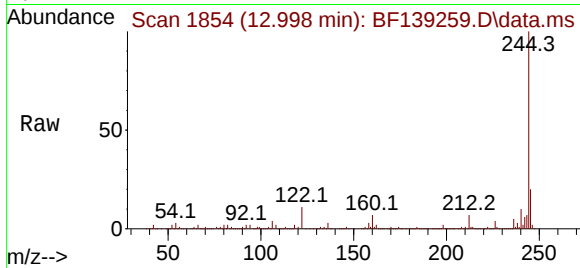




#79
 Terphenyl-d14
 Concen: 82.816 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139259.D
 Acq: 05 Sep 2024 15:49

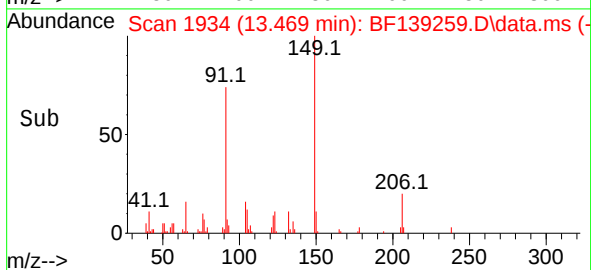
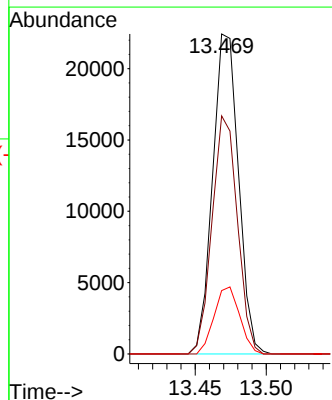
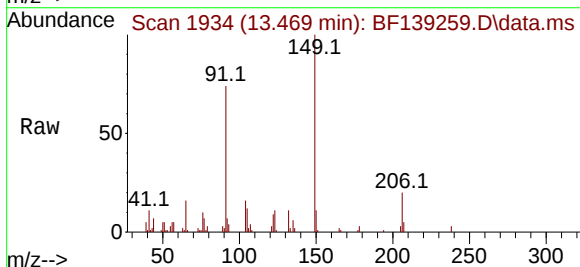
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

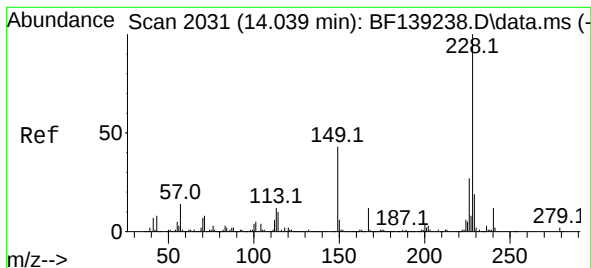
Tgt Ion:244 Resp: 1097832
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.7 8.7 13.1



#80
 Butylbenzylphthalate
 Concen: 5.836 ng
 RT: 13.469 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF139259.D
 Acq: 05 Sep 2024 15:49

Tgt Ion:149 Resp: 28404
 Ion Ratio Lower Upper
 149 100
 91 74.4 60.3 90.5
 206 19.8 16.7 25.1





#81

Benzo(a)anthracene

Concen: 6.611 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

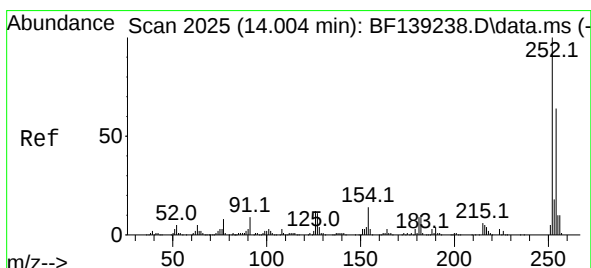
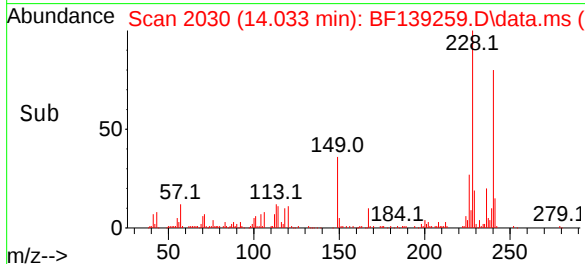
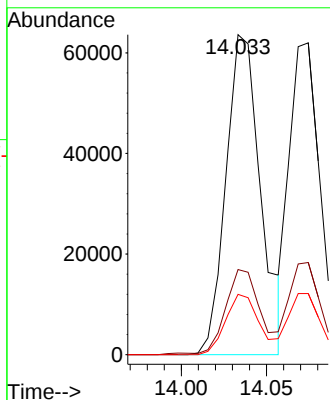
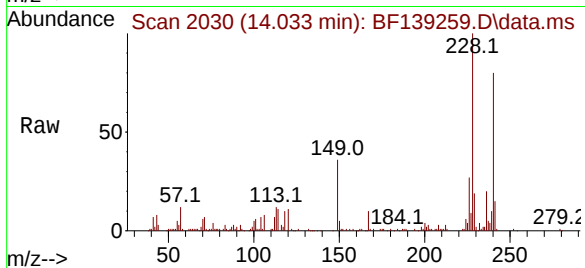
Tgt Ion:228 Resp: 90356

Ion Ratio Lower Upper

228 100

226 26.6 21.5 32.3

229 18.9 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 5.778 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

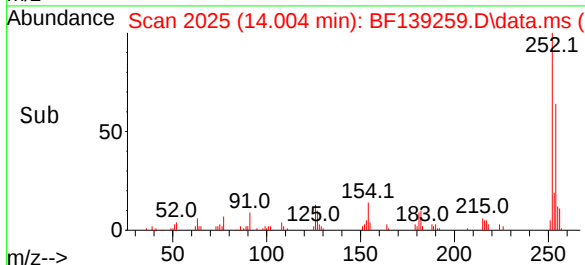
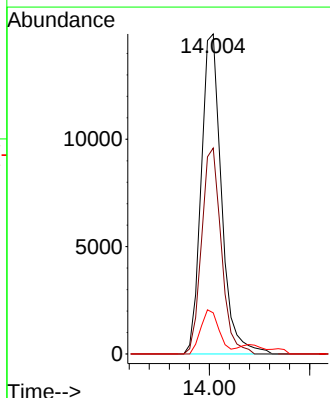
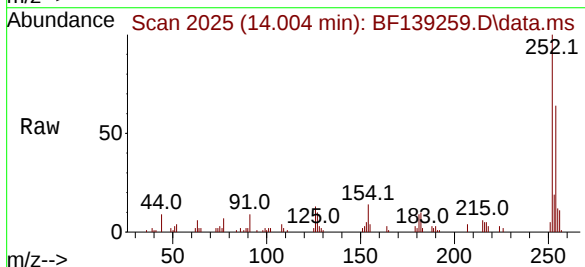
Tgt Ion:252 Resp: 20971

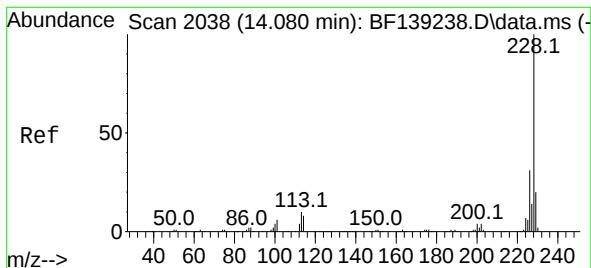
Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

126 12.9 9.2 13.8





#83

Chrysene

Concen: 6.106 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

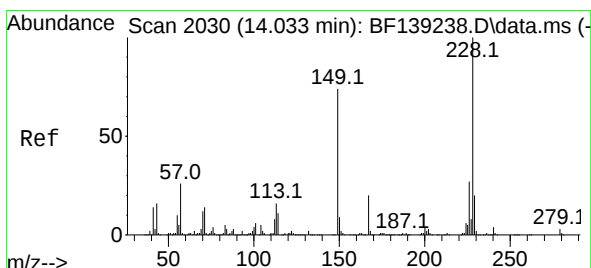
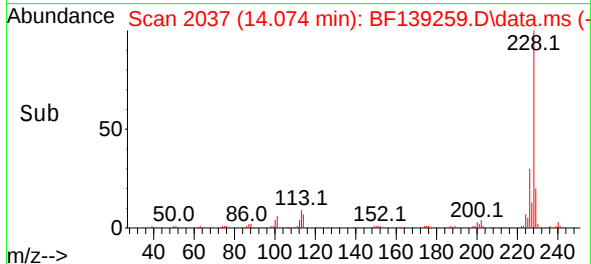
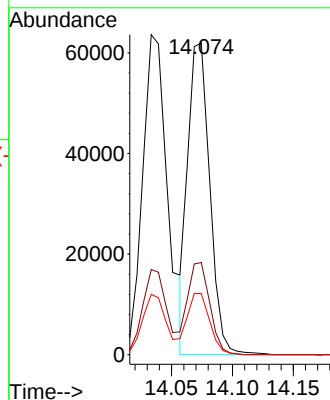
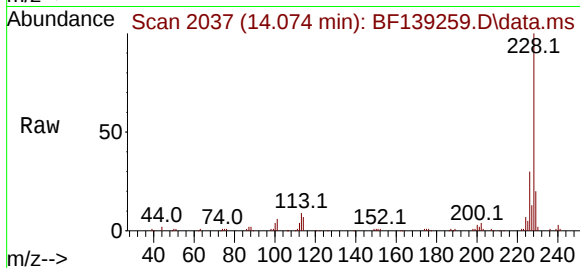
Tgt Ion:228 Resp: 77891

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.075 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

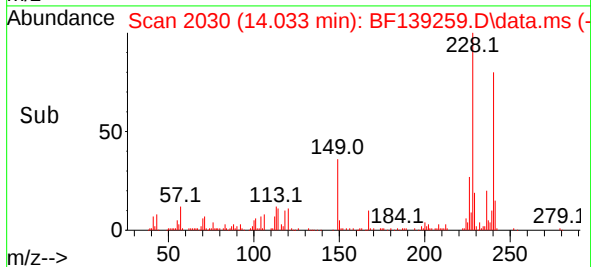
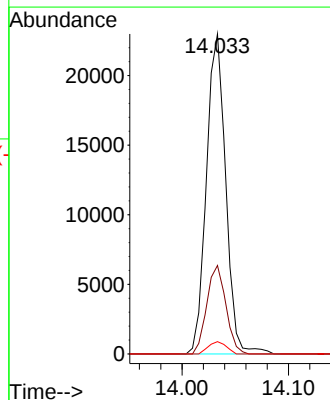
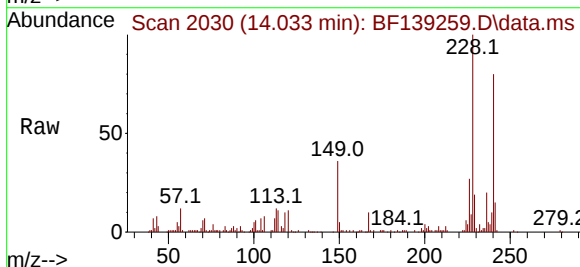
Tgt Ion:149 Resp: 28992

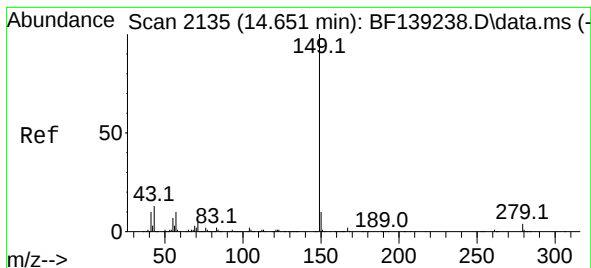
Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.6

279 3.8 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 3.403 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

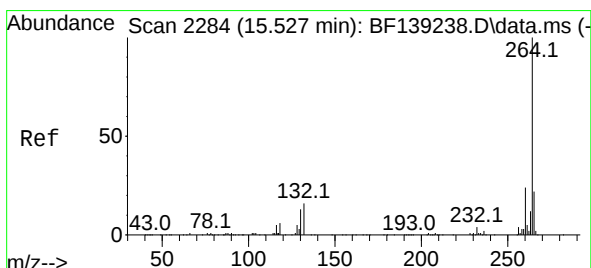
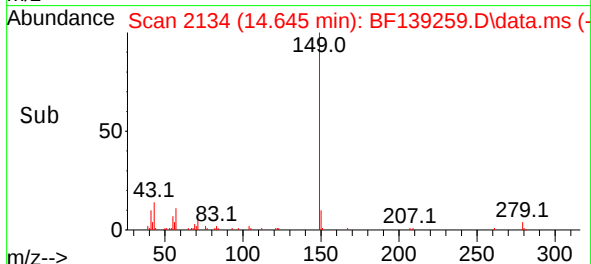
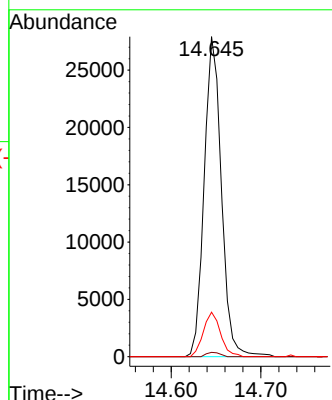
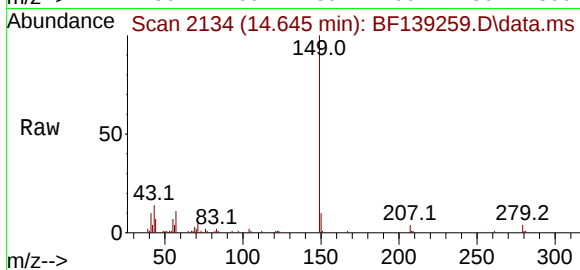
Tgt Ion:149 Resp: 37223

Ion Ratio Lower Upper

149 100

167 1.1 1.3 1.9#

43 13.9 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: BF139259.D

Acq: 05 Sep 2024 15:49

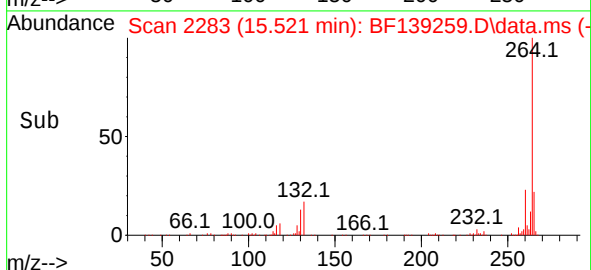
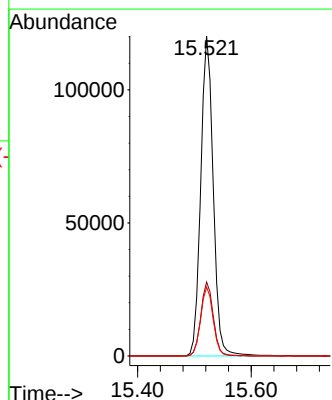
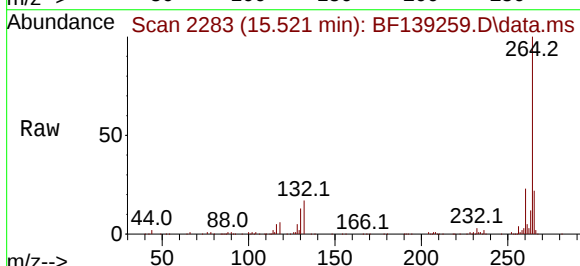
Tgt Ion:264 Resp: 183805

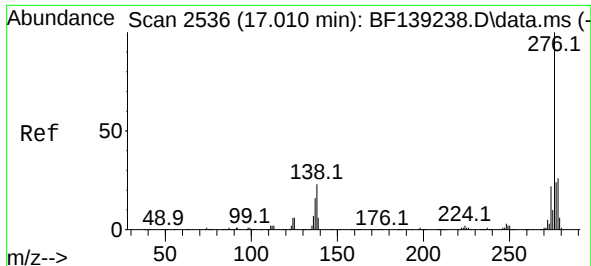
Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

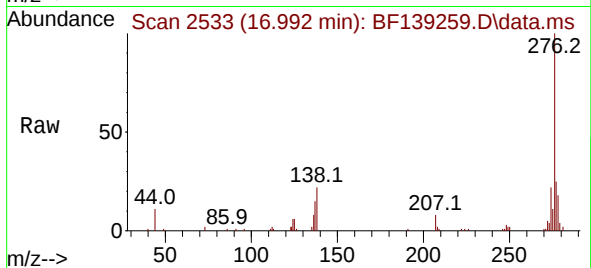
265 21.6 17.3 25.9



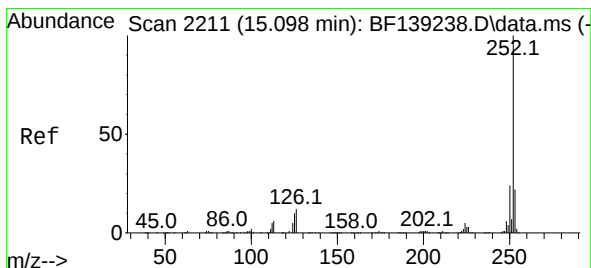
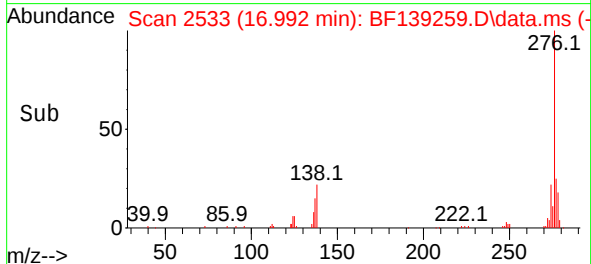
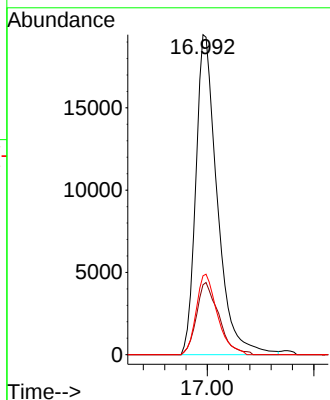


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.732 ng
RT: 16.992 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

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

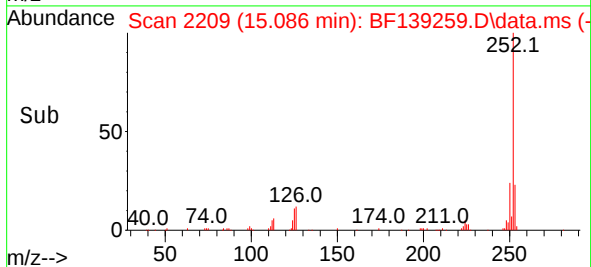
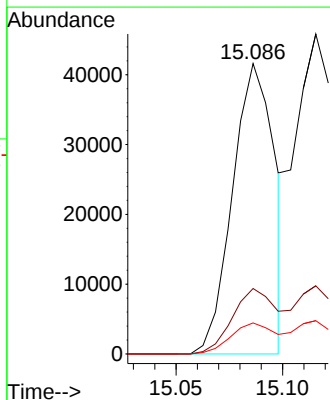
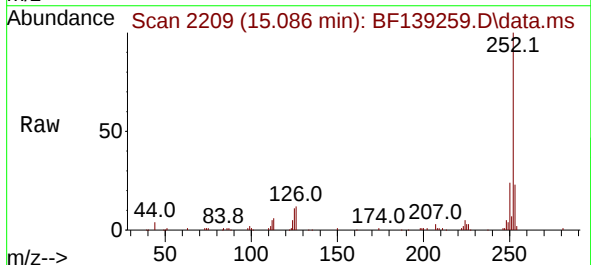


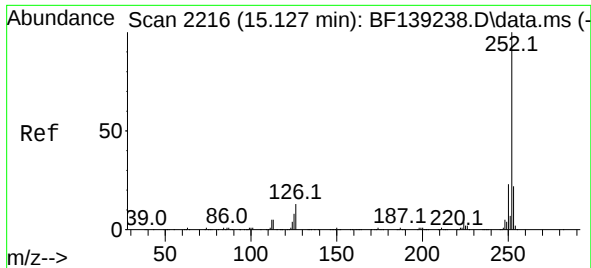
Tgt Ion:276 Resp: 54337
Ion Ratio Lower Upper
276 100
138 23.5 20.4 30.6
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 5.399 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF139259.D
Acq: 05 Sep 2024 15:49

Tgt Ion:252 Resp: 57150
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 7.202 ng

RT: 15.116 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

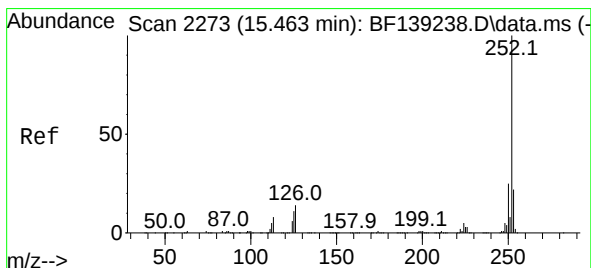
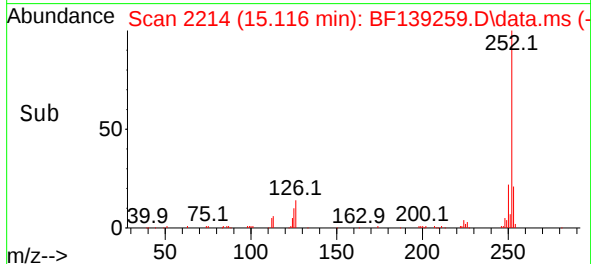
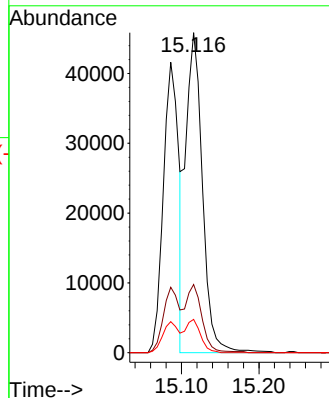
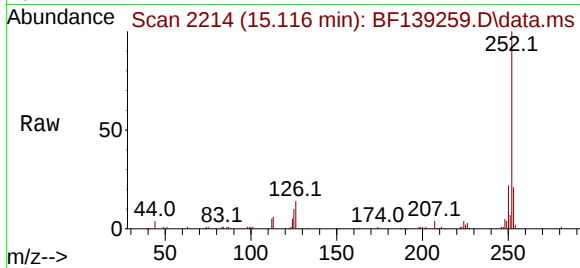
Tgt Ion:252 Resp: 68354

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 10.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 6.012 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

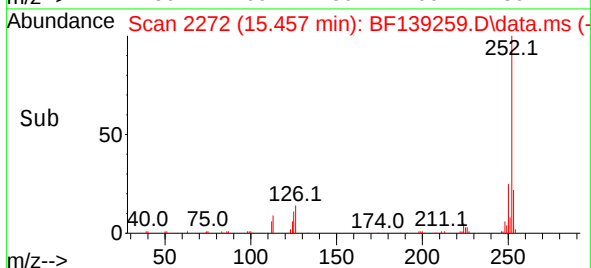
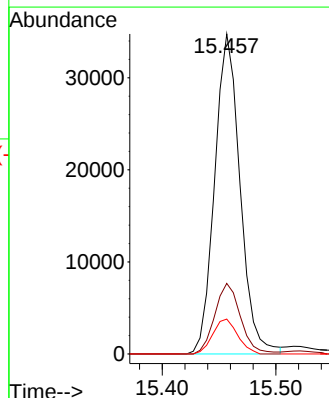
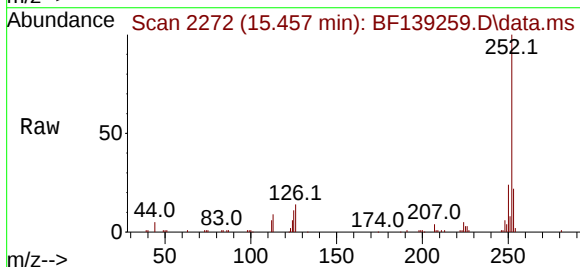
Tgt Ion:252 Resp: 54039

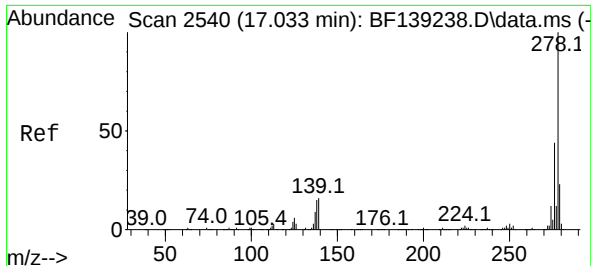
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.9 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 4.530 ng

RT: 17.015 min Scan# 24

Delta R.T. -0.018 min

Lab File: BF139259.D

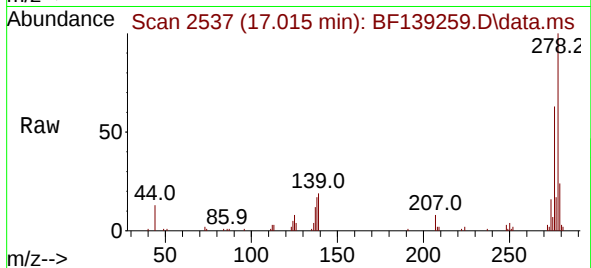
Acq: 05 Sep 2024 15:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



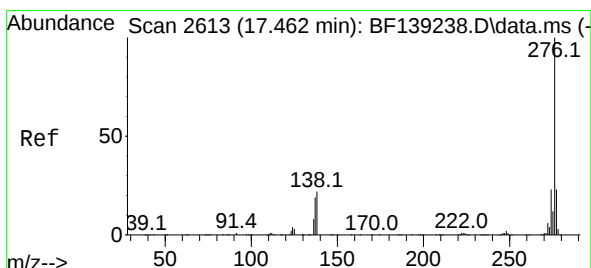
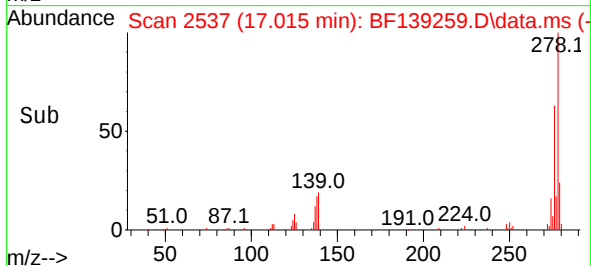
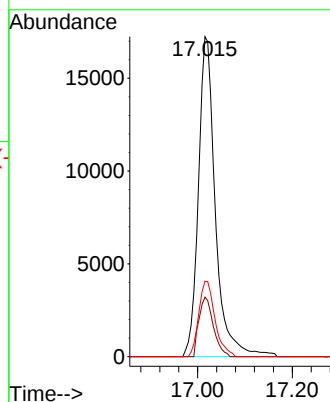
Tgt Ion:278 Resp: 42866

Ion Ratio Lower Upper

278 100

139 18.6 12.6 19.0

279 23.6 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 4.362 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF139259.D

Acq: 05 Sep 2024 15:49

Tgt Ion:276 Resp: 42604

Ion Ratio Lower Upper

276 100

277 24.8 18.6 27.8

138 22.9 17.4 26.0

