

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139254.D
 Acq On : 05 Sep 2024 11:03
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 05 11:33:10 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	107355	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	402231	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	218783	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	401393	20.000	ng	0.00
76) Chrysene-d12	14.051	240	201445	20.000	ng	0.00
86) Perylene-d12	15.521	264	182497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	720538	112.278	ng	0.00
7) Phenol-d6	6.510	99	951265	111.036	ng	0.00
23) Nitrobenzene-d5	7.451	82	619112	80.073	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	208244	110.227	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1126980	79.515	ng	0.00
79) Terphenyl-d14	12.998	244	999088	80.077	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	29941	10.019	ng	98
3) Pyridine	3.452	79	67095	9.301	ng	98
4) n-Nitrosodimethylamine	3.369	42	44417	9.482	ng	98
6) Aniline	6.551	93	95873	12.170	ng	99
8) 2-Chlorophenol	6.669	128	68525	10.303	ng	88
9) Benzaldehyde	6.440	77	62344	12.022	ng	100
10) Phenol	6.522	94	94651	10.474	ng	# 78
11) bis(2-Chloroethyl)ether	6.622	93	68088	10.517	ng	99
12) 1,3-Dichlorobenzene	6.828	146	75699	10.056	ng	99
13) 1,4-Dichlorobenzene	6.904	146	76829	10.196	ng	98
14) 1,2-Dichlorobenzene	7.057	146	71749	10.210	ng	98
15) Benzyl Alcohol	7.022	79	72828	11.657	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	132588	10.758	ng	100
17) 2-Methylphenol	7.128	107	52988	9.753	ng	96
18) Hexachloroethane	7.398	117	26436	9.823	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	52085	10.556	ng	98
20) 3+4-Methylphenols	7.287	107	71801	10.487	ng	# 86
22) Acetophenone	7.292	105	100655	10.504	ng	95
24) Nitrobenzene	7.469	77	80270	9.781	ng	99
25) Isophorone	7.698	82	134973	10.211	ng	98
26) 2-Nitrophenol	7.781	139	30530	9.472	ng	99
27) 2,4-Dimethylphenol	7.816	122	46102	10.029	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	79739	10.125	ng	98
29) 2,4-Dichlorophenol	8.022	162	56506	10.266	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	62277	9.907	ng	99
31) Naphthalene	8.192	128	207939	10.208	ng	99
32) Benzoic acid	7.875	122	30880	7.375	ng	99
33) 4-Chloroaniline	8.239	127	76880	10.900	ng	98
34) Hexachlorobutadiene	8.310	225	37059	9.304	ng	100
35) Caprolactam	8.569	113	15704	9.216	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	59097	9.853	ng	96
37) 2-Methylnaphthalene	8.881	142	129670	10.175	ng	98
38) 1-Methylnaphthalene	8.981	142	120237	9.593	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	64985	10.498	ng	96
41) Hexachlorocyclopentadiene	9.034	237	19853	9.980	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	38351	9.469	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139254.D
 Acq On : 05 Sep 2024 11:03
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 6 Sample Multiplier: 1

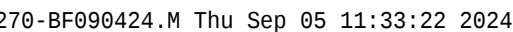
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

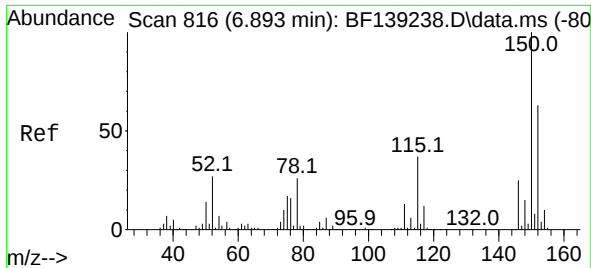
Quant Time: Sep 05 11:33:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	42280	9.962	ng	99
46) 1,1'-Biphenyl	9.345	154	169880	10.480	ng	100
47) 2-Chloronaphthalene	9.369	162	121701	9.943	ng	99
48) 2-Nitroaniline	9.463	65	40504	9.608	ng	99
49) Acenaphthylene	9.786	152	199824	10.839	ng	99
50) Dimethylphthalate	9.639	163	136629	10.303	ng	100
51) 2,6-Dinitrotoluene	9.704	165	28250	9.391	ng	97
52) Acenaphthene	9.957	154	119230	9.751	ng	96
53) 3-Nitroaniline	9.869	138	31473	9.819	ng	93
54) 2,4-Dinitrophenol	9.975	184	5765	10.839	ng	# 37
55) Dibenzofuran	10.128	168	183757	10.482	ng	97
56) 4-Nitrophenol	10.022	139	19287	8.153	ng	97
57) 2,4-Dinitrotoluene	10.104	165	35685	9.320	ng	95
58) Fluorene	10.469	166	141115	10.383	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.198	232	30985	9.275	ng	91
60) Diethylphthalate	10.345	149	130434	9.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	67418	10.286	ng	100
62) 4-Nitroaniline	10.475	138	29049	9.521	ng	95
63) Azobenzene	10.628	77	140067	10.184	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	9920	5.349	ng	99
66) n-Nitrosodiphenylamine	10.581	169	119471	10.225	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	38822	9.968	ng	95
68) Hexachlorobenzene	11.016	284	43671	9.795	ng	99
69) Atrazine	11.104	200	33100	12.279	ng	98
70) Pentachlorophenol	11.210	266	20271	7.871	ng	94
71) Phenanthrene	11.433	178	197446	10.530	ng	100
72) Anthracene	11.486	178	192377	10.502	ng	99
73) Carbazole	11.639	167	174759	10.208	ng	98
74) Di-n-butylphthalate	11.975	149	180318	10.287	ng	98
75) Fluoranthene	12.622	202	194210	10.331	ng	99
77) Benzidine	12.745	184	50671	12.492	ng	99
78) Pyrene	12.851	202	198239	10.187	ng	100
80) Butylbenzylphthalate	13.474	149	42964	9.379	ng	98
81) Benzo(a)anthracene	14.039	228	132108	10.270	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	35957	10.526	ng	98
83) Chrysene	14.074	228	122429	10.198	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	48454	9.012	ng	100
85) Di-n-octyl phthalate	14.651	149	71897	6.984	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	85656	7.513	ng	98
88) Benzo(b)fluoranthene	15.092	252	103436	9.842	ng	99
89) Benzo(k)fluoranthene	15.116	252	98264	10.428	ng	98
90) Benzo(a)pyrene	15.457	252	92289	10.341	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	67277	7.161	ng	96
92) Benzo(g,h,i)perylene	17.445	276	65644	6.769	ng	98

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

Quant Time: Sep 05 11:33:10 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

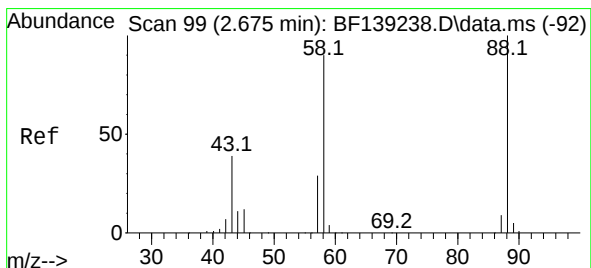
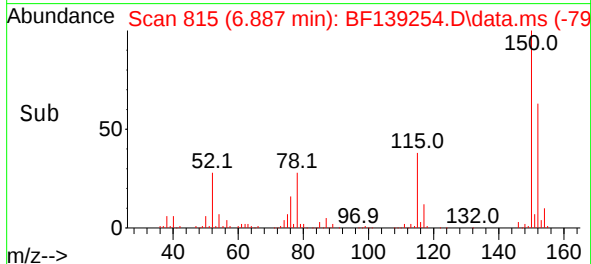
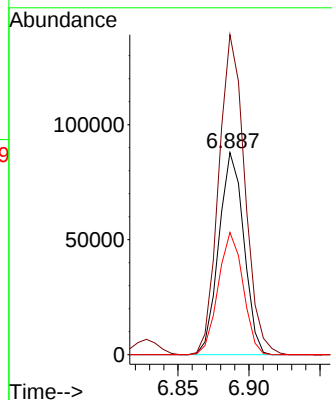
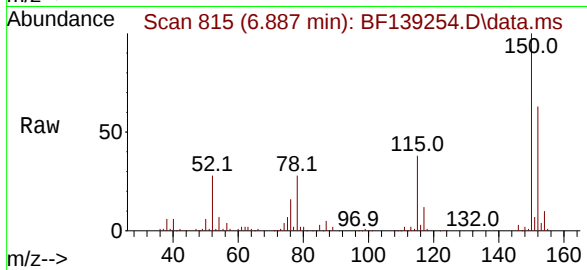




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

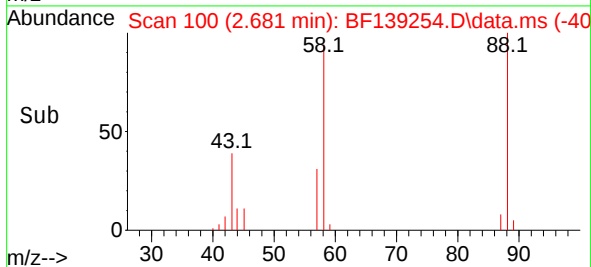
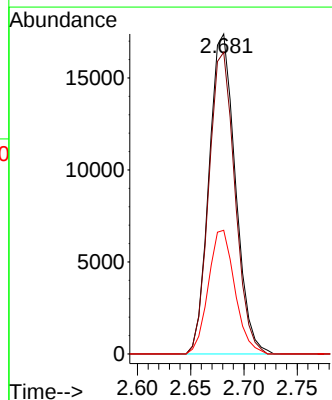
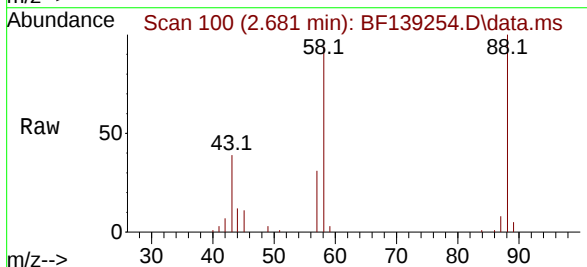
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

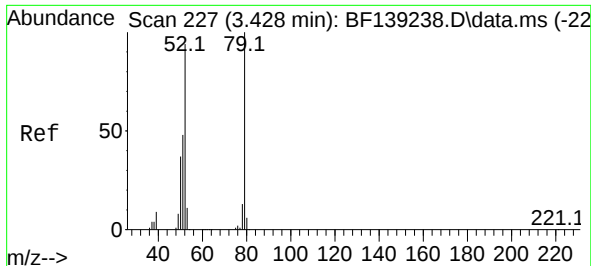
Tgt Ion:152 Resp: 107355
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.4
115 60.5 46.9 70.3



#2
1,4-Dioxane
Concen: 10.019 ng
RT: 2.681 min Scan# 100
Delta R.T. 0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 88 Resp: 29941
Ion Ratio Lower Upper
88 100
58 93.0 72.5 108.7
43 38.8 31.4 47.2





#3

Pyridine

Concen: 9.301 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

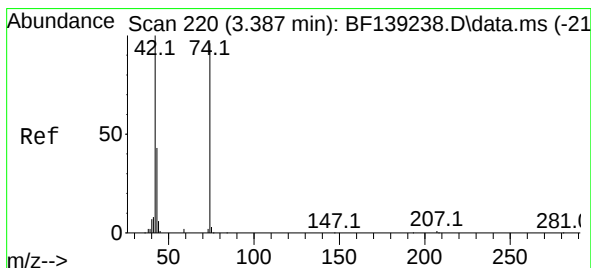
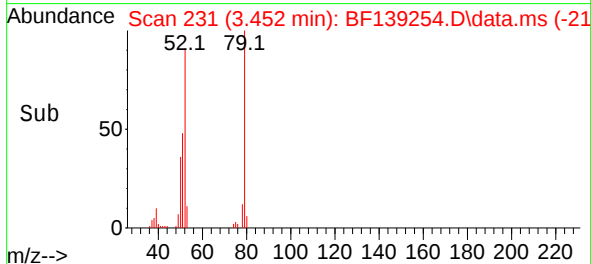
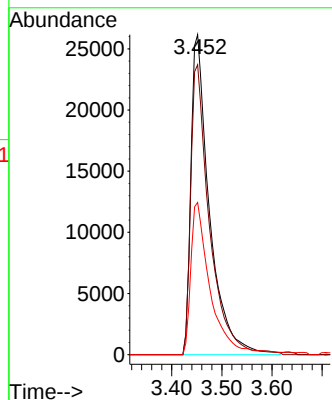
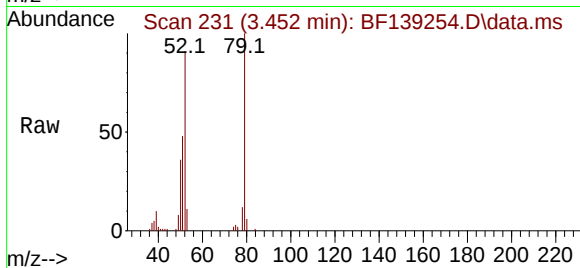
Tgt Ion: 79 Resp: 67095

Ion Ratio Lower Upper

79 100

52 90.6 75.3 112.9

51 47.5 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 9.482 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

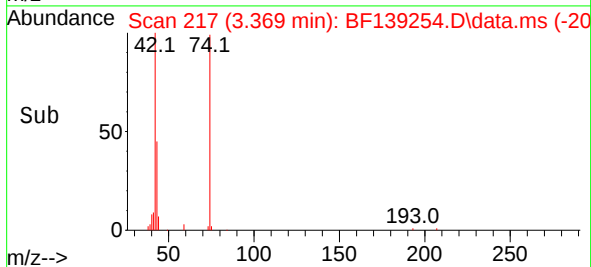
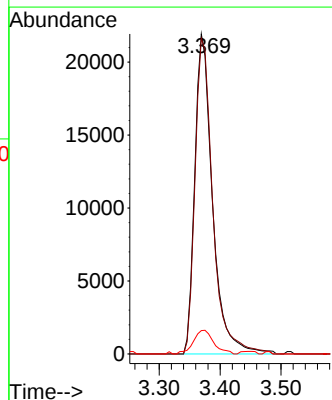
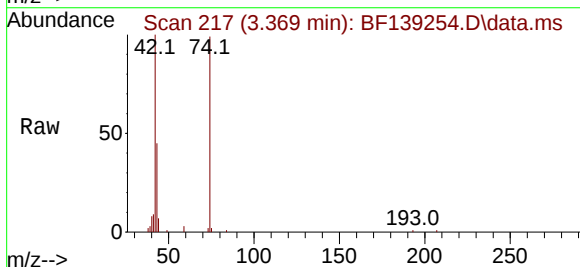
Tgt Ion: 42 Resp: 44417

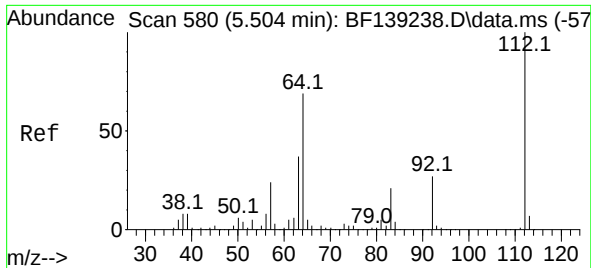
Ion Ratio Lower Upper

42 100

74 98.6 77.2 115.8

44 7.3 5.1 7.7

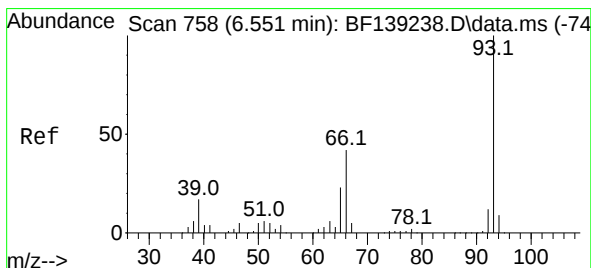
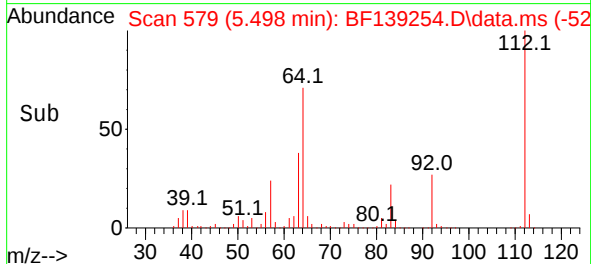
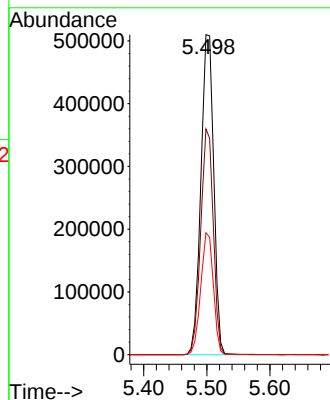
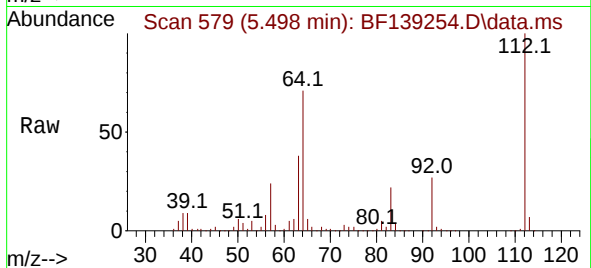




#5
2-Fluorophenol
Concen: 112.278 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

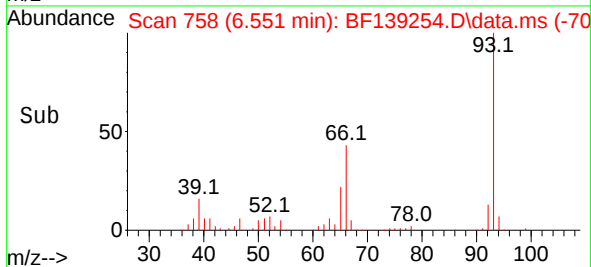
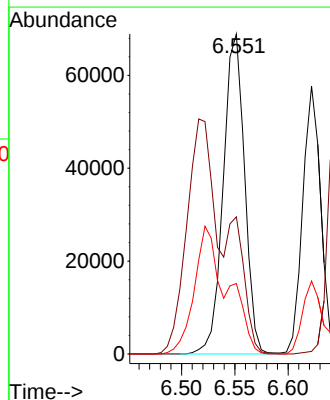
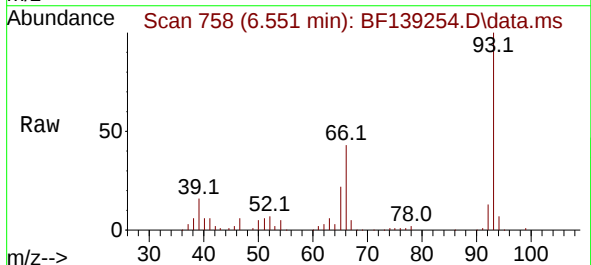
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

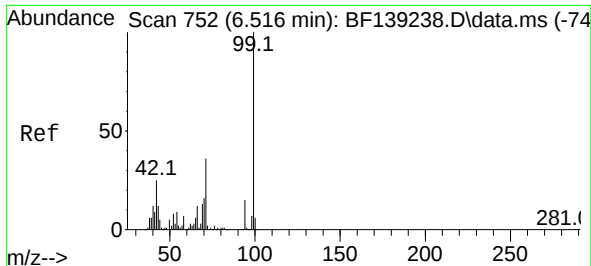
Tgt Ion:112 Resp: 720538
Ion Ratio Lower Upper
112 100
64 70.5 55.0 82.4
63 38.1 29.9 44.9



#6
Aniline
Concen: 12.170 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 93 Resp: 95873
Ion Ratio Lower Upper
93 100
66 42.9 34.4 51.6
65 22.0 18.2 27.4

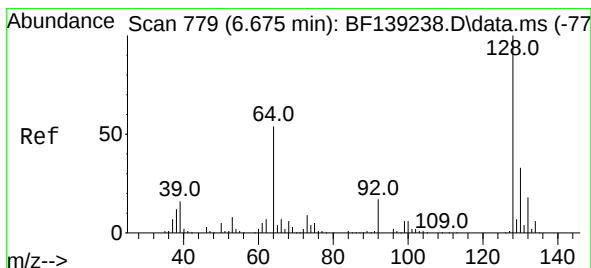
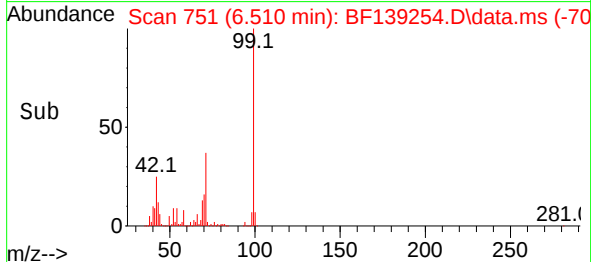
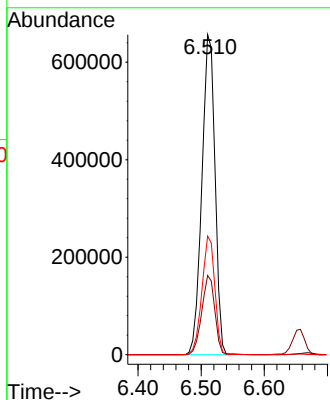
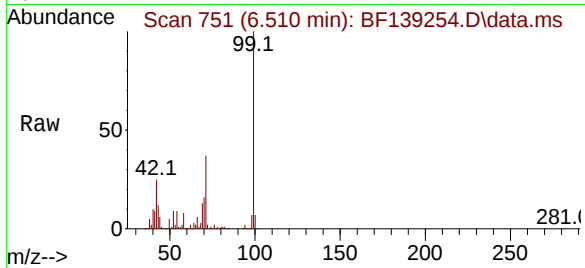




#7
Phenol-d6
Concen: 111.036 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

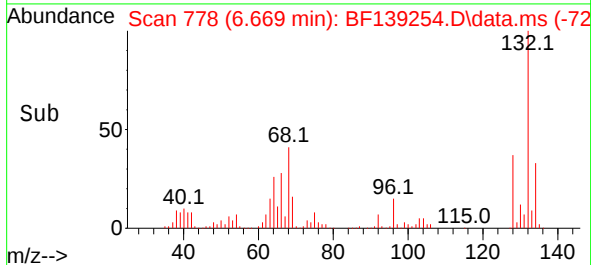
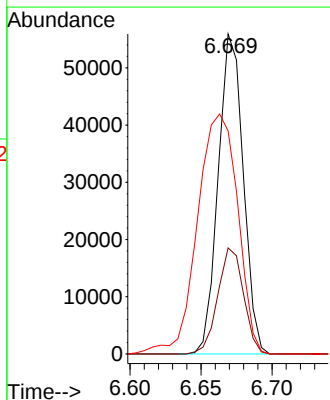
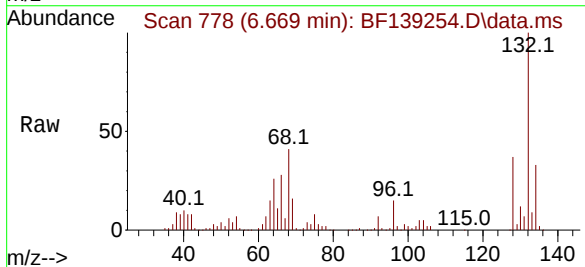
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

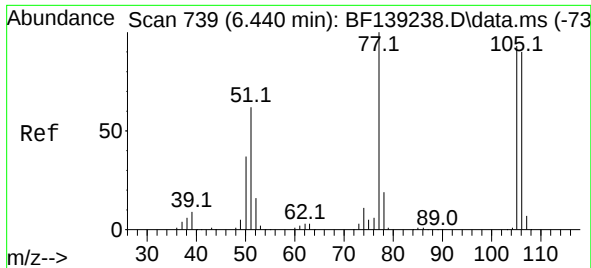
Tgt Ion: 99 Resp: 951265
Ion Ratio Lower Upper
99 100
42 24.7 19.8 29.6
71 37.0 28.8 43.2



#8
2-Chlorophenol
Concen: 10.303 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 128 Resp: 68525
Ion Ratio Lower Upper
128 100
130 33.2 12.7 52.7
64 69.7 36.6 76.6





#9

Benzaldehyde

Concen: 12.022 ng

RT: 6.440 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

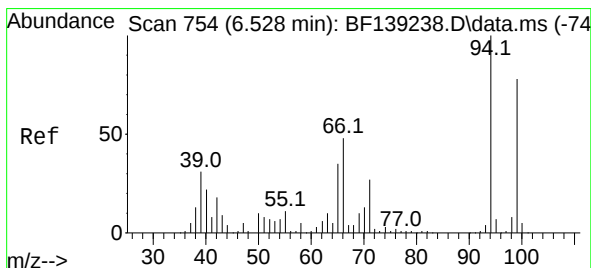
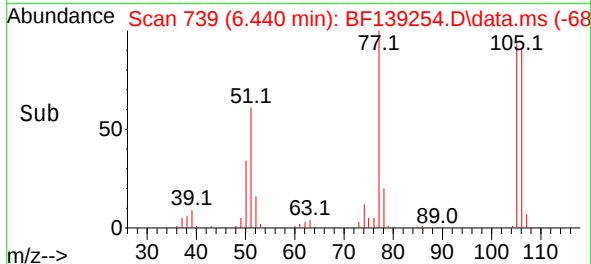
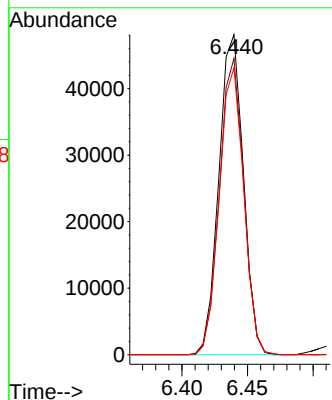
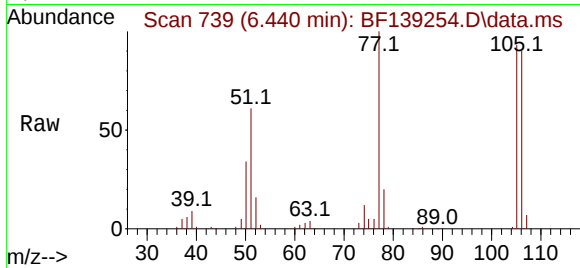
Tgt Ion: 77 Resp: 62344

Ion Ratio Lower Upper

77 100

105 92.5 72.9 112.9

106 89.7 69.6 109.6



#10

Phenol

Concen: 10.474 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

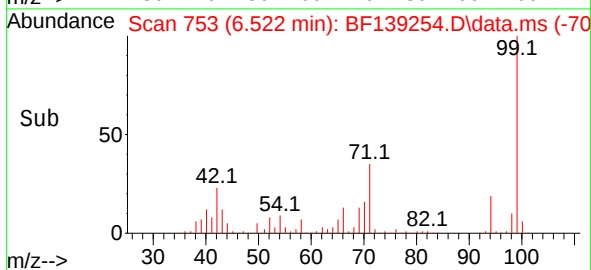
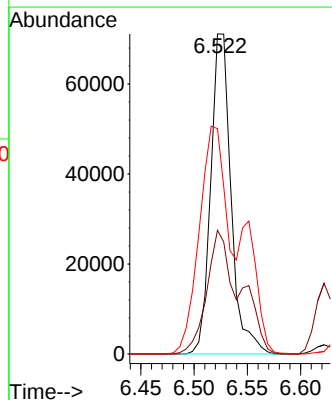
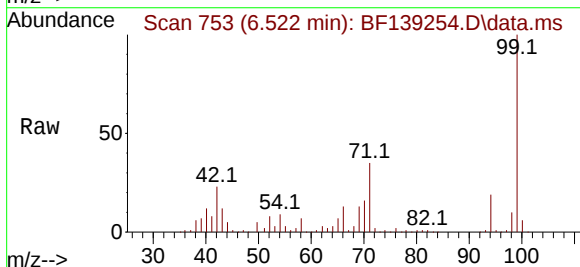
Tgt Ion: 94 Resp: 94651

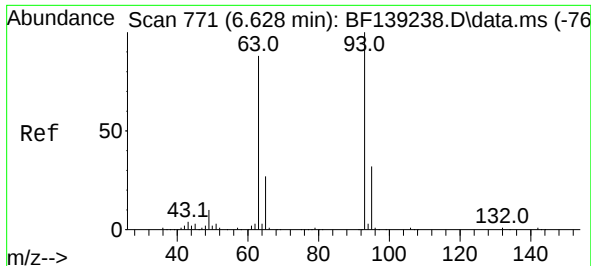
Ion Ratio Lower Upper

94 100

65 38.7 14.7 54.7

66 70.4 28.5 68.5#





#11

bis(2-Chloroethyl)ether

Concen: 10.517 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

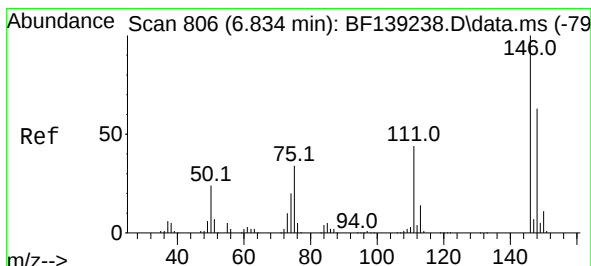
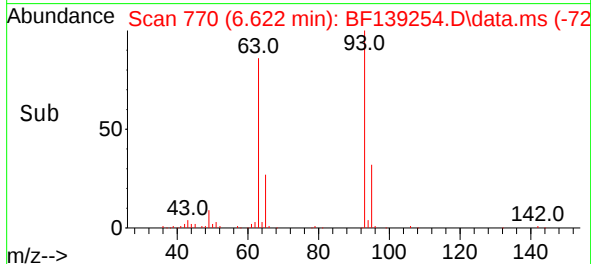
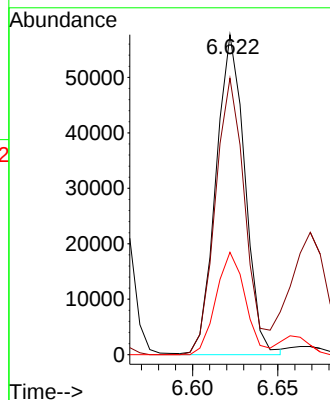
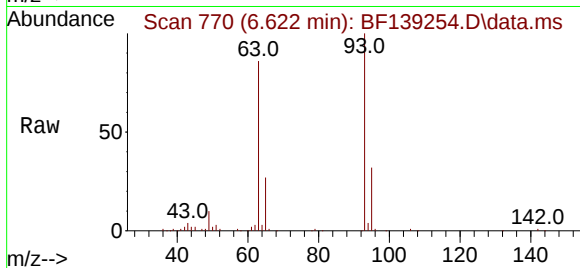
Tgt Ion: 93 Resp: 68088

Ion Ratio Lower Upper

93 100

63 86.4 67.1 107.1

95 32.0 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 10.056 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

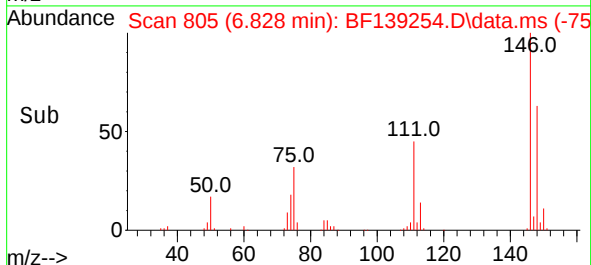
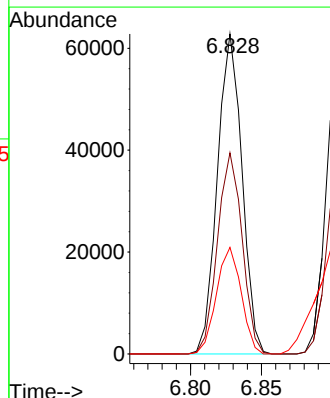
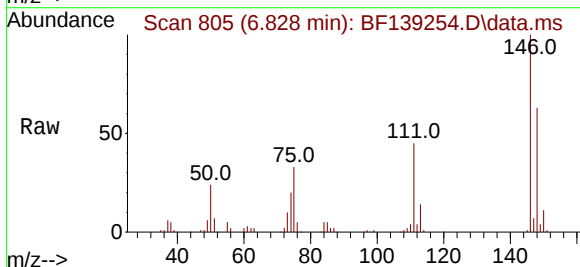
Tgt Ion:146 Resp: 75699

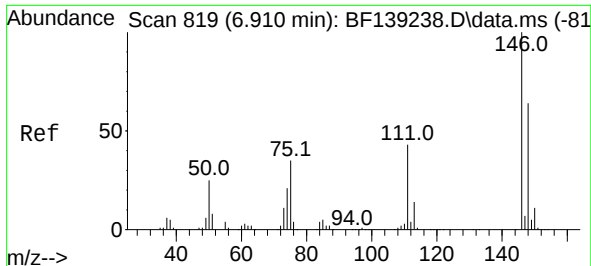
Ion Ratio Lower Upper

146 100

148 62.9 50.8 76.2

75 33.3 27.3 40.9

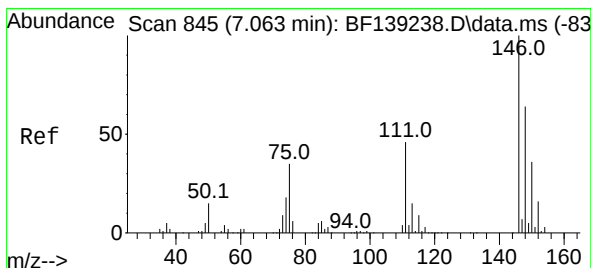
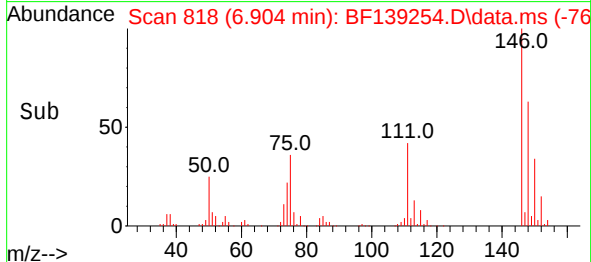
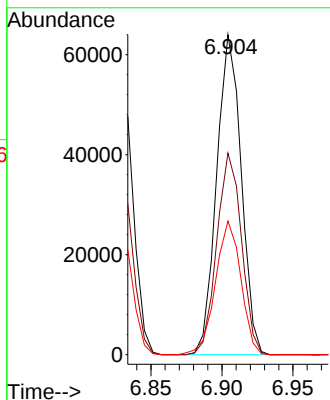
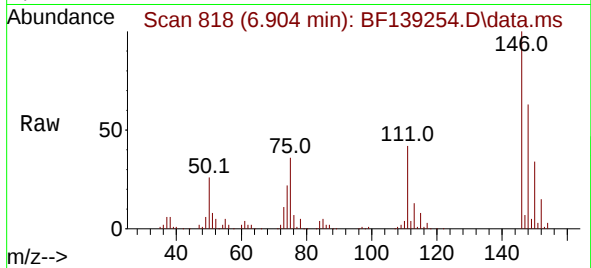




#13
1,4-Dichlorobenzene
Concen: 10.196 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

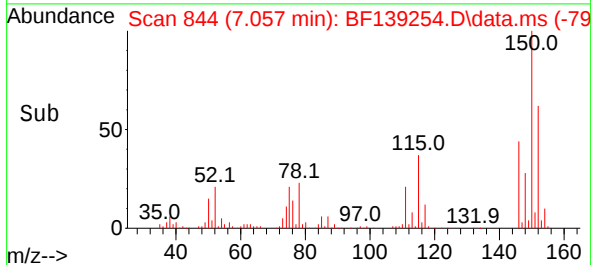
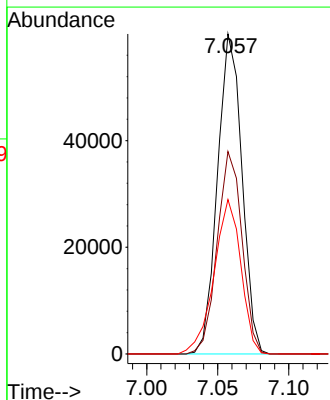
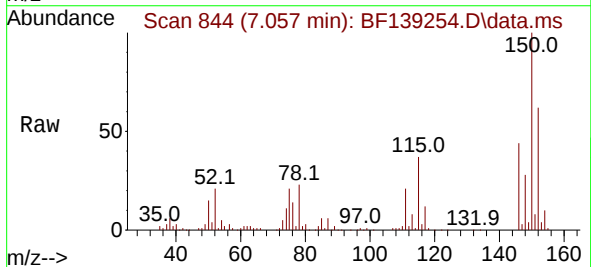
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

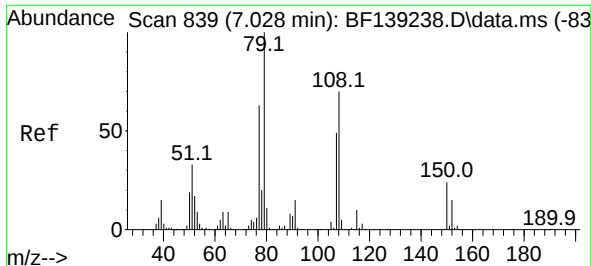
Tgt Ion:146 Resp: 76829
Ion Ratio Lower Upper
146 100
148 63.0 51.2 76.8
111 41.8 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 10.210 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:146 Resp: 71749
Ion Ratio Lower Upper
146 100
148 63.3 50.9 76.3
111 48.2 36.6 55.0

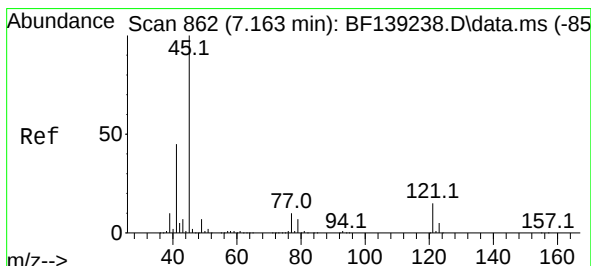
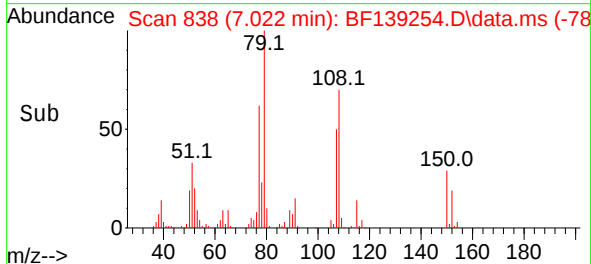
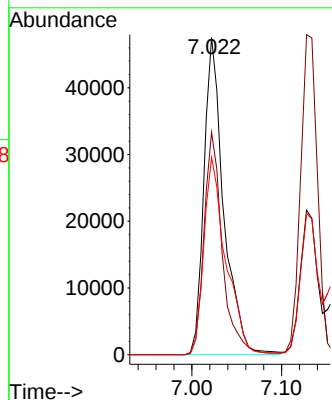
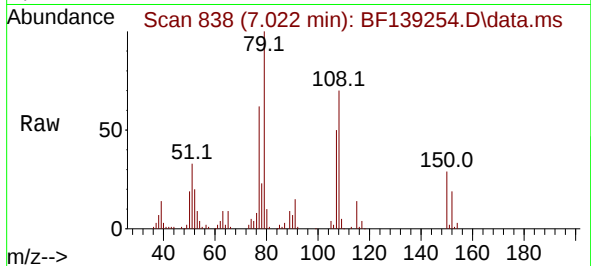




#15
Benzyl Alcohol
Concen: 11.657 ng
RT: 7.022 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

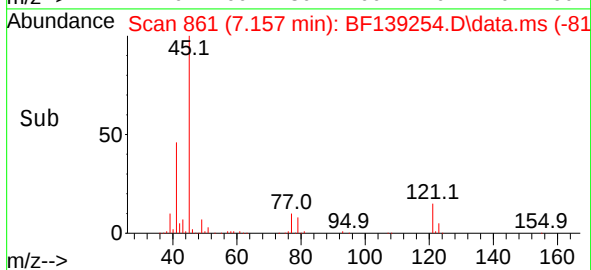
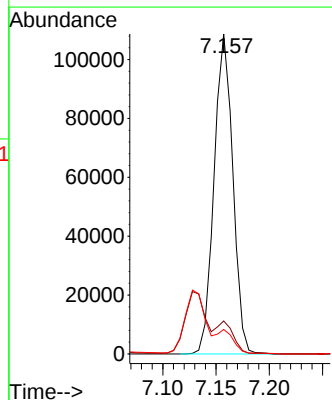
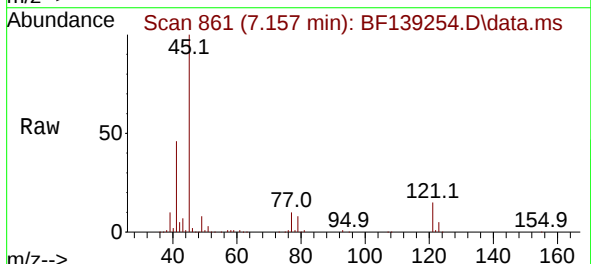
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

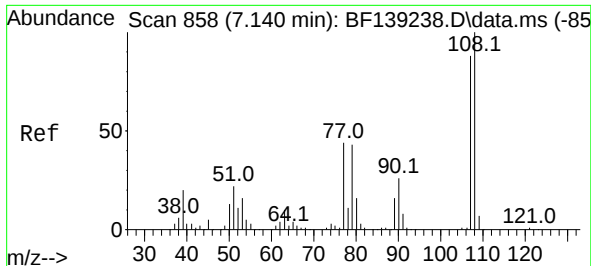
Tgt Ion: 79 Resp: 72828
Ion Ratio Lower Upper
79 100
108 70.2 56.1 84.1
77 62.2 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.758 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 45 Resp: 132588
Ion Ratio Lower Upper
45 100
77 10.3 0.0 30.0
79 7.6 0.0 27.6

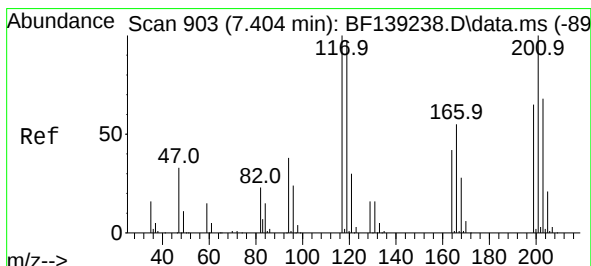
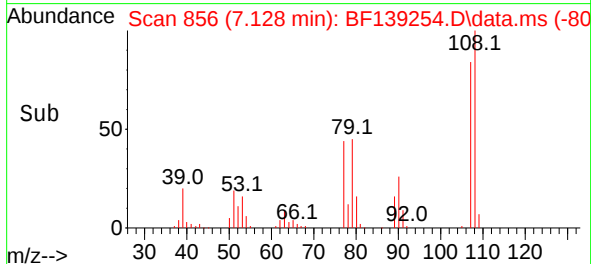
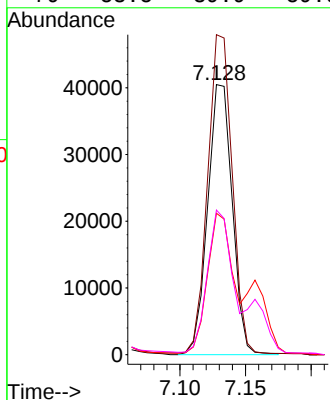
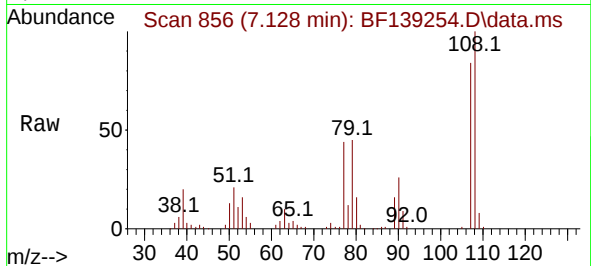




#17
2-Methylphenol
Concen: 9.753 ng
RT: 7.128 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

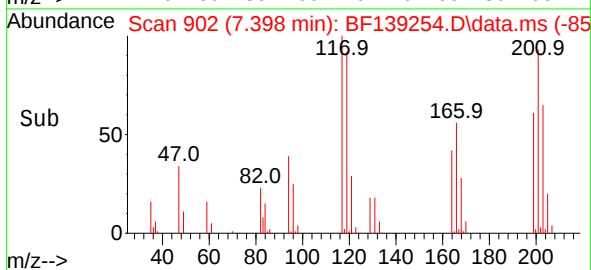
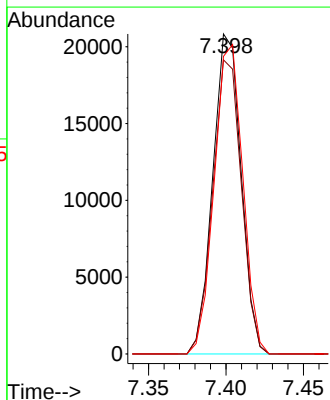
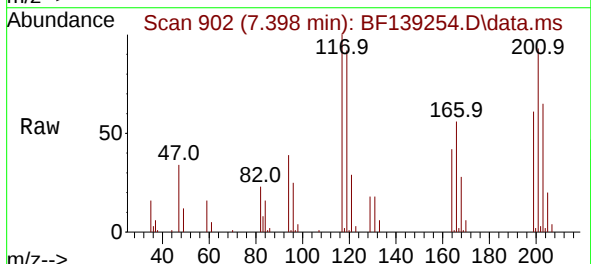
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

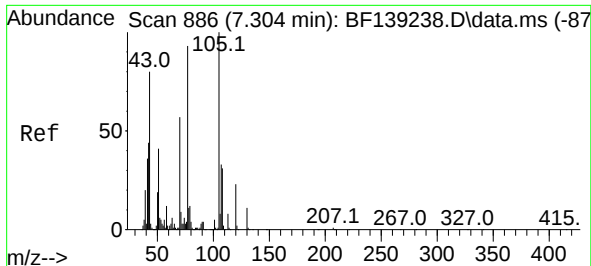
Tgt Ion:	107	Resp:	52988
Ion Ratio	Lower	Upper	
107	100		
108	118.5	91.4	137.2
77	52.3	40.1	60.1
79	53.5	39.9	59.9



#18
Hexachloroethane
Concen: 9.823 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:	117	Resp:	26436
Ion Ratio	Lower	Upper	
117	100		
119	91.9	77.4	116.2
201	93.0	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 10.556 ng

RT: 7.292 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 52085

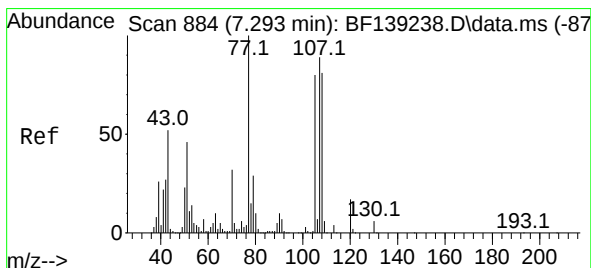
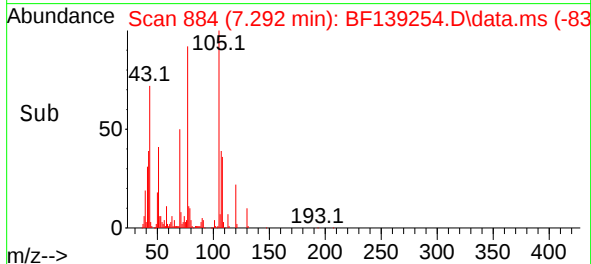
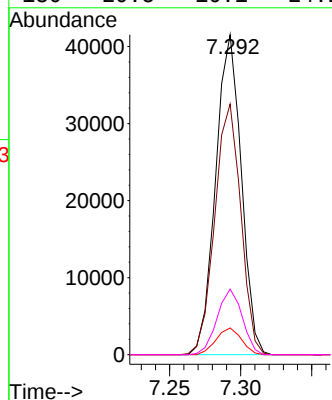
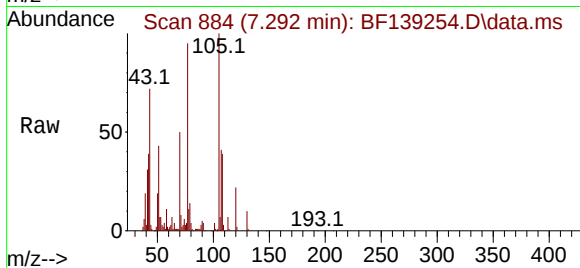
Ion Ratio Lower Upper

70 100

42 78.4 61.0 91.6

101 8.4 7.2 10.8

130 20.5 16.1 24.1



#20

3+4-Methylphenols

Concen: 10.487 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Tgt Ion:107 Resp: 71801

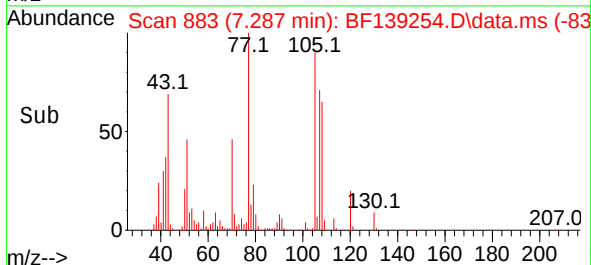
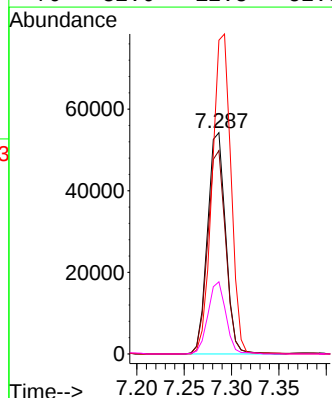
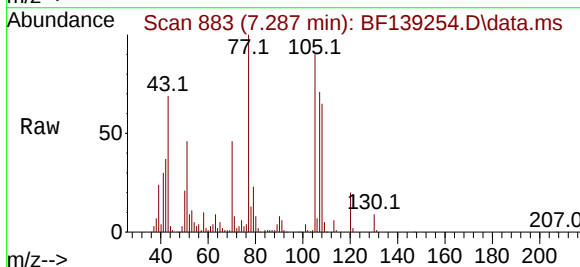
Ion Ratio Lower Upper

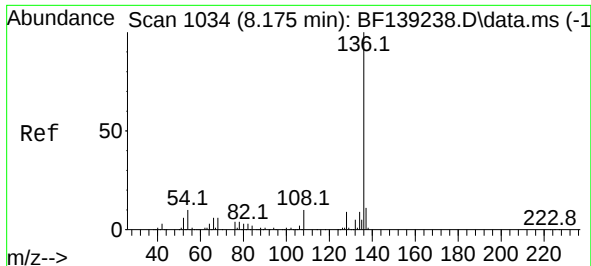
107 100

108 92.0 70.4 110.4

77 141.8 92.2 132.2#

79 32.6 12.8 52.8

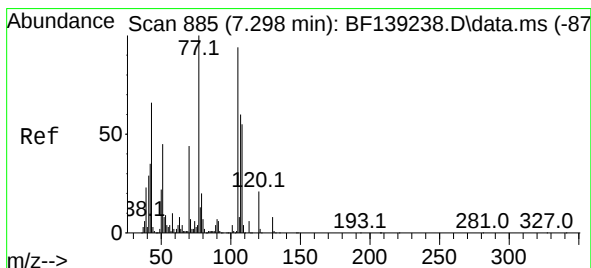
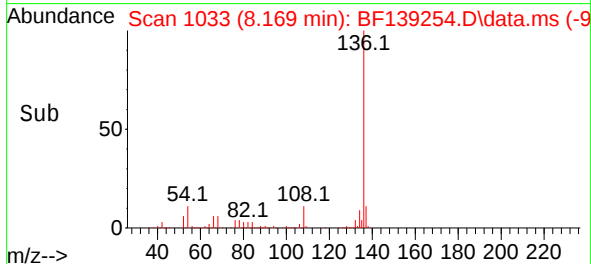
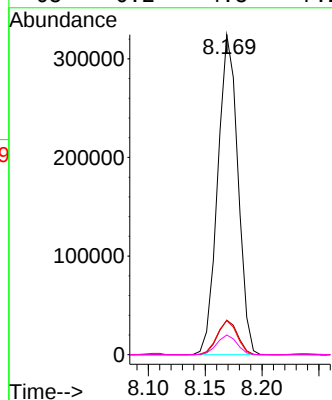
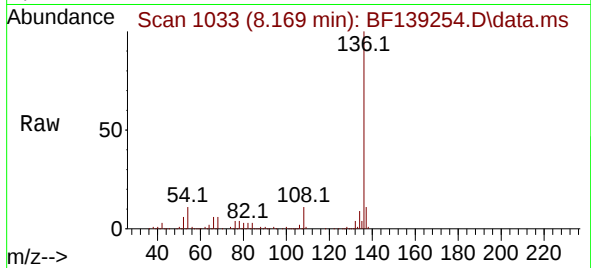




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

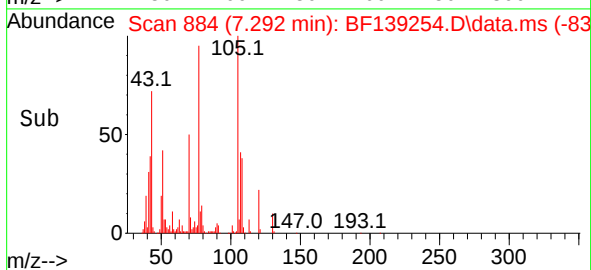
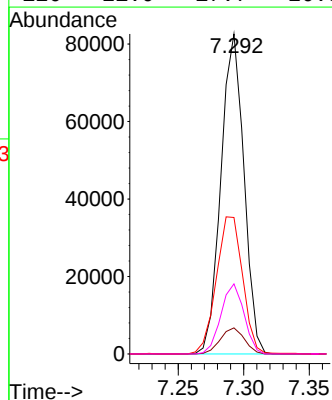
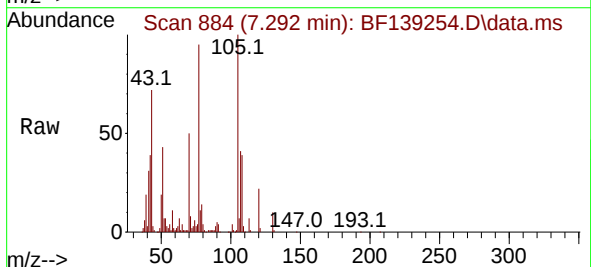
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

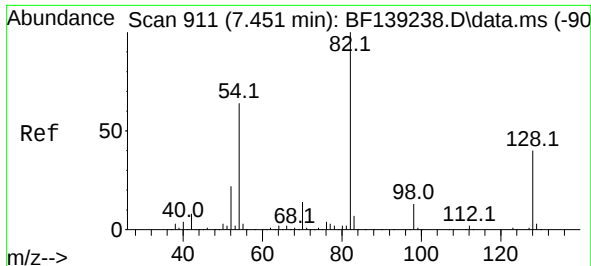
Tgt Ion:136 Resp: 402231
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.7 8.4 12.6
68 6.2 4.8 7.2



#22
Acetophenone
Concen: 10.504 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:105 Resp: 100655
Ion Ratio Lower Upper
105 100
71 8.2 6.2 9.2
51 42.6 38.2 57.2
120 21.9 17.7 26.5





#23

Nitrobenzene-d5

Concen: 80.073 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

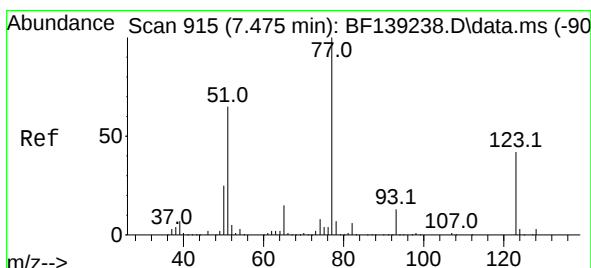
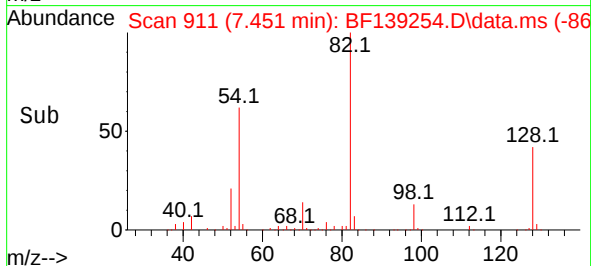
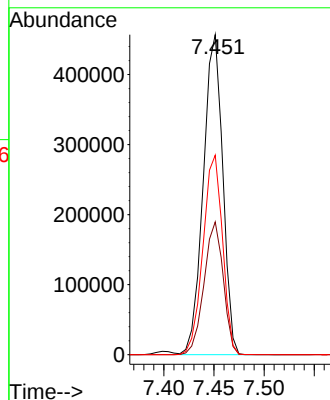
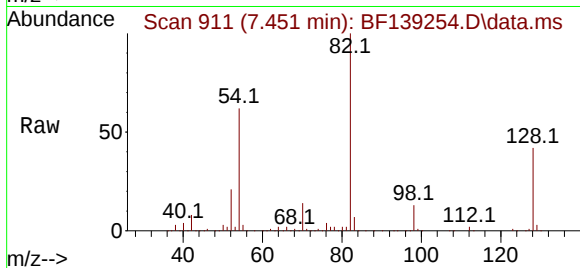
Tgt Ion: 82 Resp: 619112

Ion Ratio Lower Upper

82 100

128 41.5 32.3 48.5

54 62.3 51.2 76.8



#24

Nitrobenzene

Concen: 9.781 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

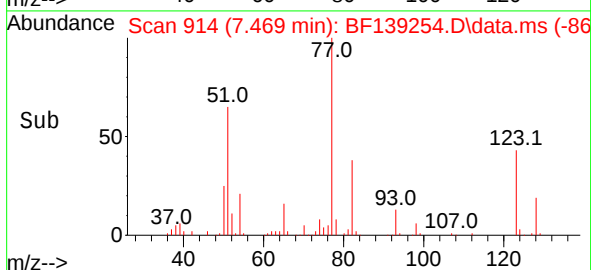
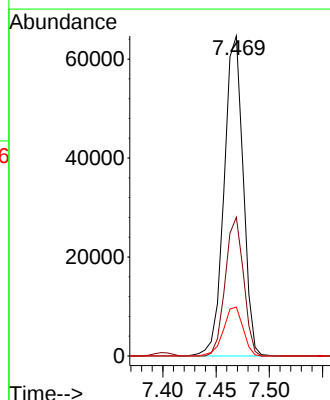
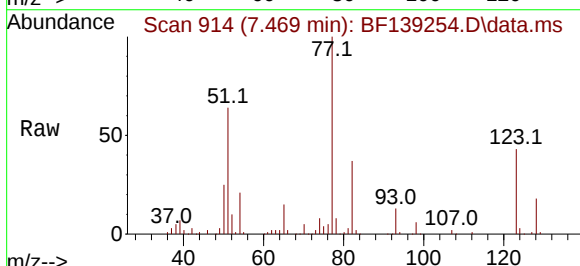
Tgt Ion: 77 Resp: 80270

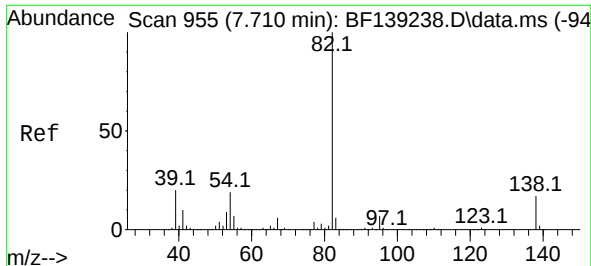
Ion Ratio Lower Upper

77 100

123 43.3 34.0 51.0

65 15.3 12.1 18.1

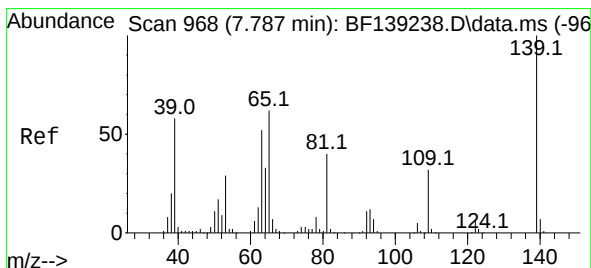
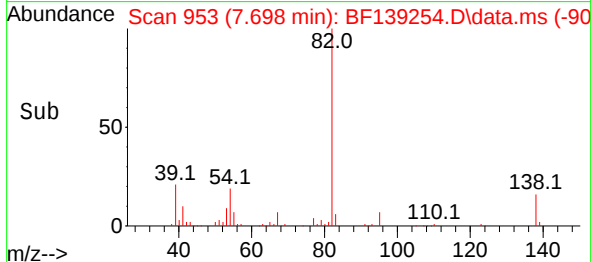
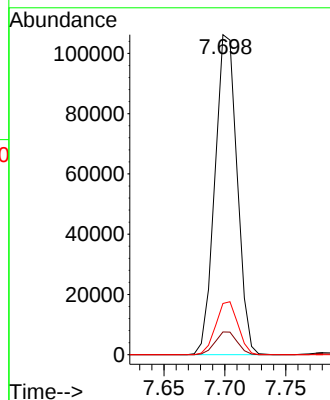
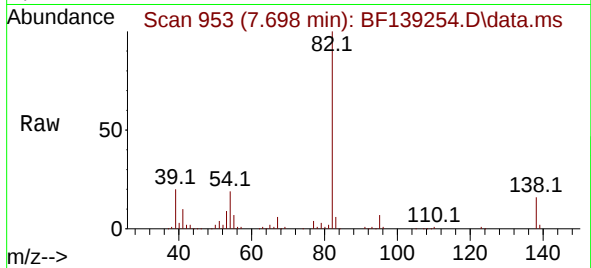




#25
Isophorone
Concen: 10.211 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

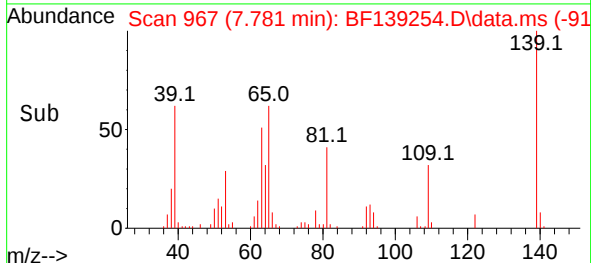
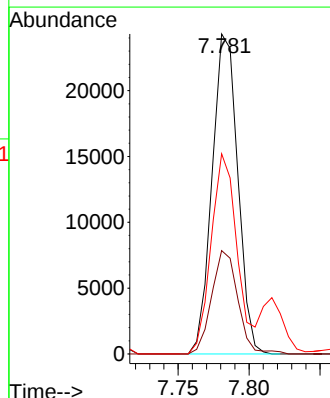
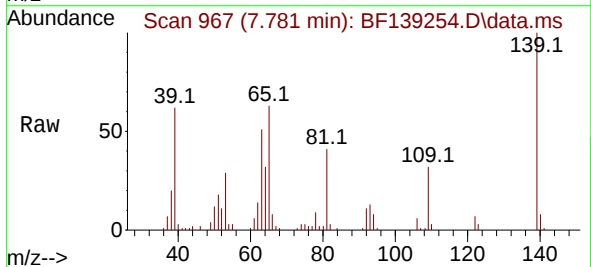
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

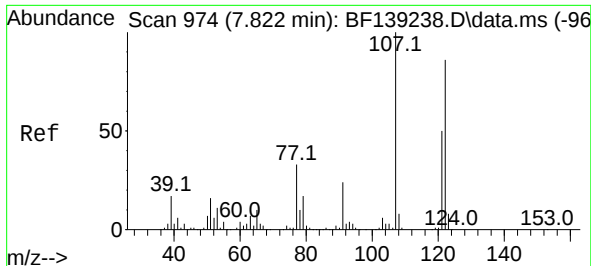
Tgt Ion: 82 Resp: 134973
Ion Ratio Lower Upper
82 100
95 7.1 6.0 9.0
138 16.0 13.4 20.0



#26
2-Nitrophenol
Concen: 9.472 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:139 Resp: 30530
Ion Ratio Lower Upper
139 100
109 32.3 25.4 38.2
65 62.5 49.4 74.2

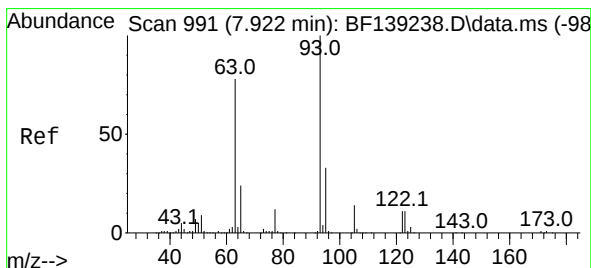
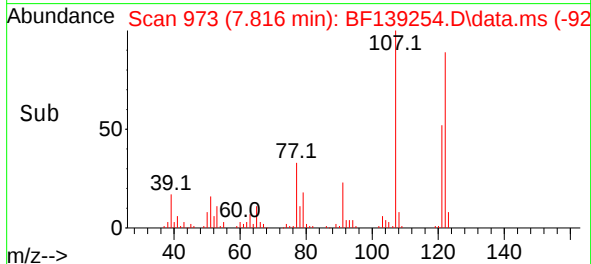
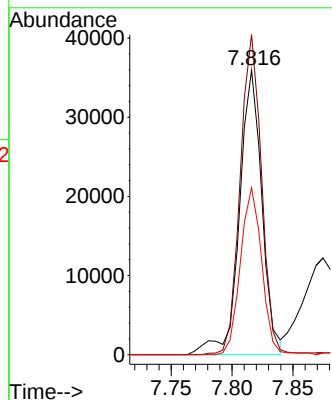
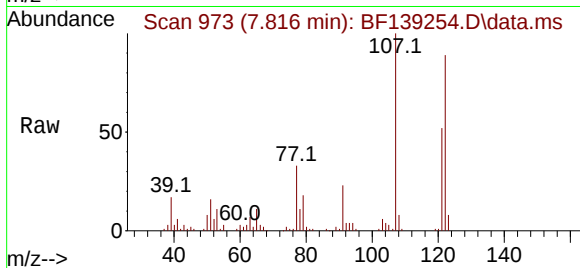




#27
2,4-Dimethylphenol
Concen: 10.029 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

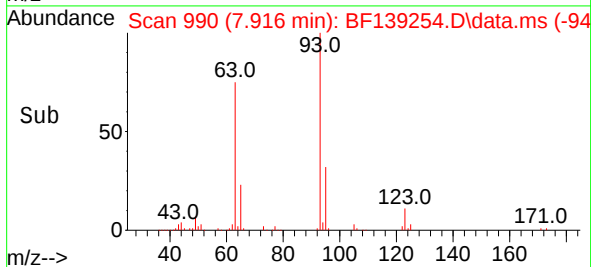
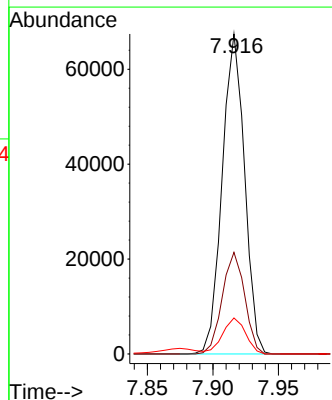
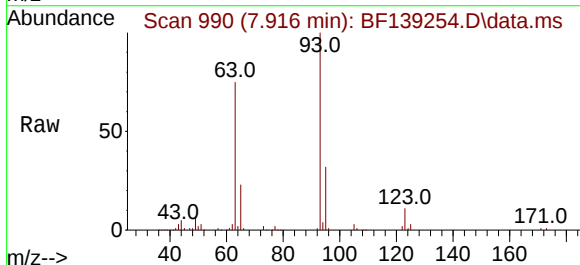
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

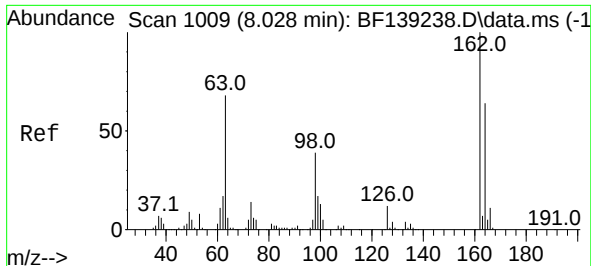
Tgt Ion:122 Resp: 46102
Ion Ratio Lower Upper
122 100
107 112.4 93.4 140.2
121 58.6 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 10.125 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 93 Resp: 79739
Ion Ratio Lower Upper
93 100
95 31.8 26.6 40.0
123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 10.266 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

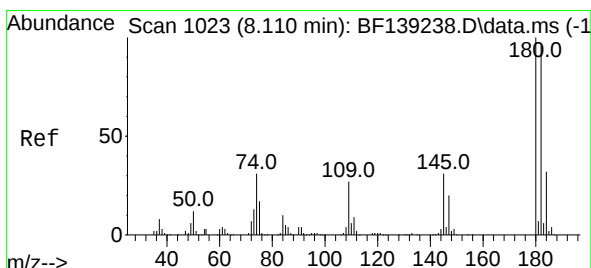
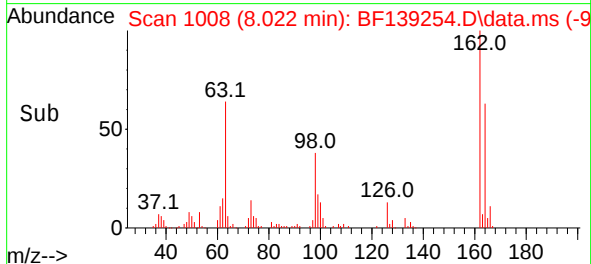
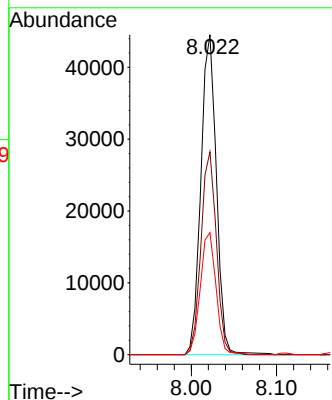
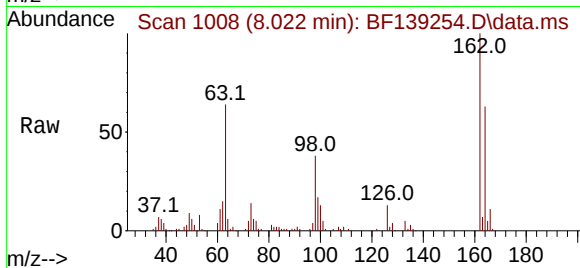
Tgt Ion:162 Resp: 56506

Ion Ratio Lower Upper

162 100

164 63.4 43.6 83.6

98 38.2 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 9.907 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

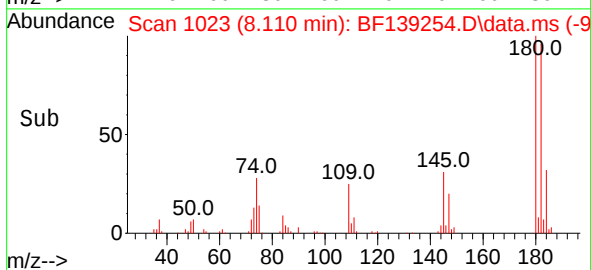
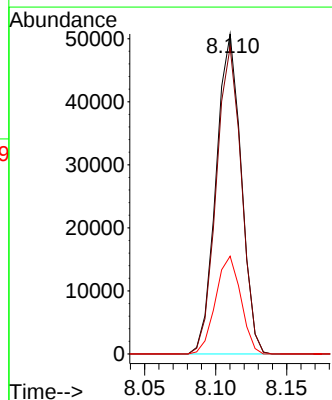
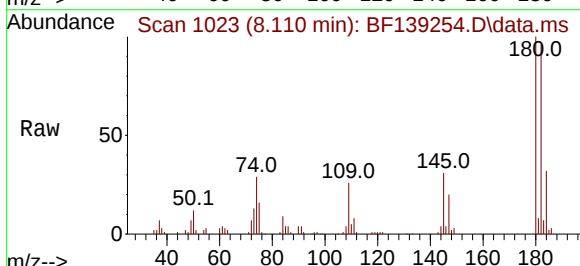
Tgt Ion:180 Resp: 62277

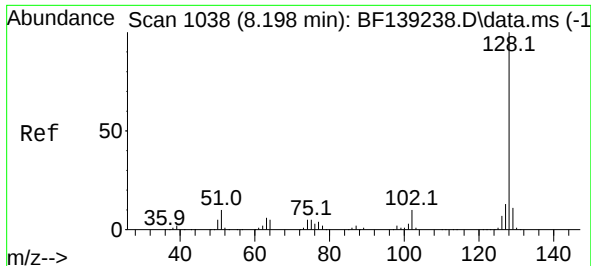
Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 30.6 25.1 37.7





#31

Naphthalene

Concen: 10.208 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

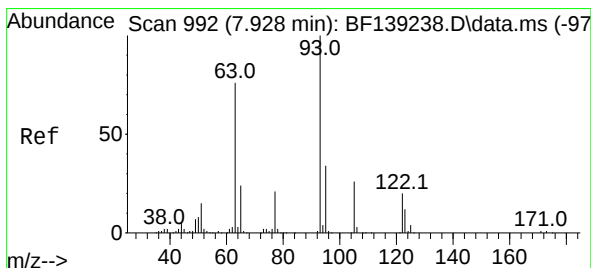
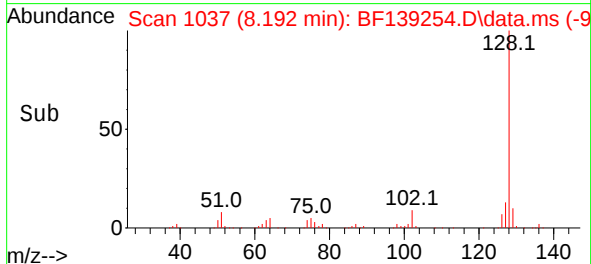
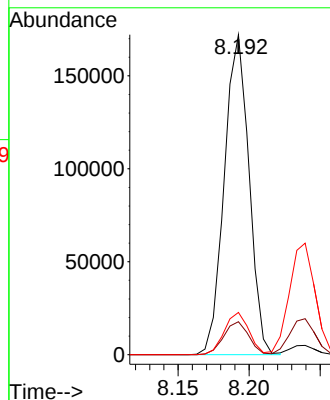
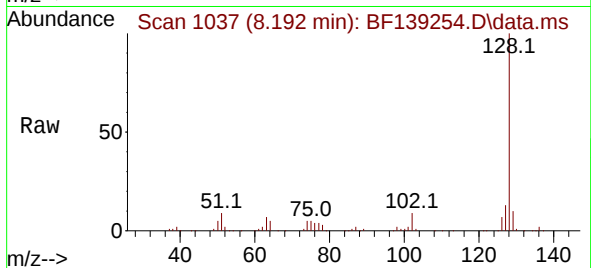
Tgt Ion:128 Resp: 207939

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 7.375 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.053 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

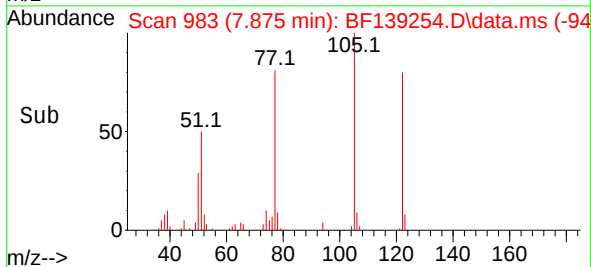
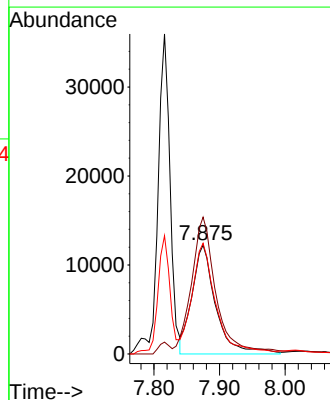
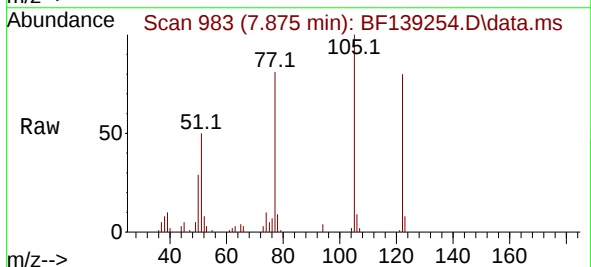
Tgt Ion:122 Resp: 30880

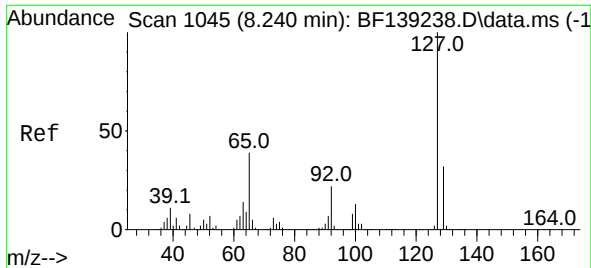
Ion Ratio Lower Upper

122 100

105 125.8 106.3 146.3

77 101.7 84.1 124.1





#33

4-Chloroaniline

Concen: 10.900 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 76880

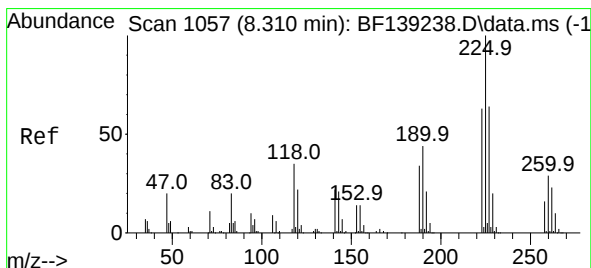
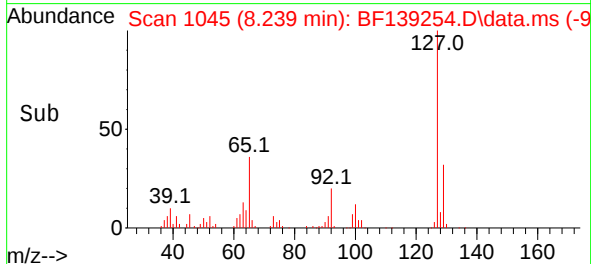
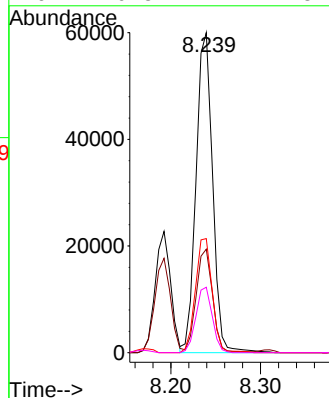
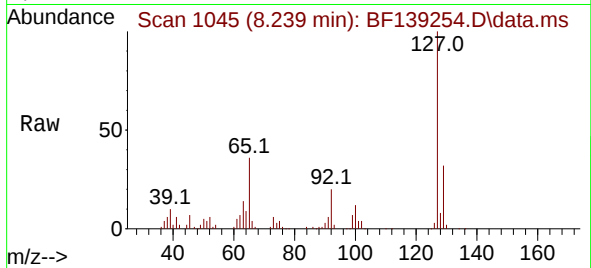
Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.6

65 35.7 30.6 45.8

92 20.5 17.2 25.8



#34

Hexachlorobutadiene

Concen: 9.304 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

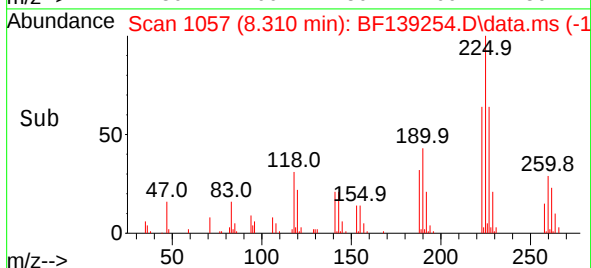
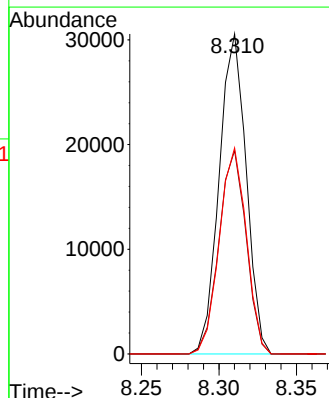
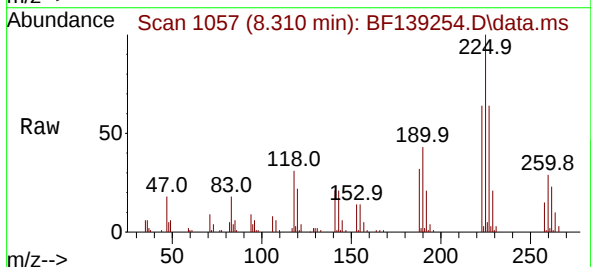
Tgt Ion:225 Resp: 37059

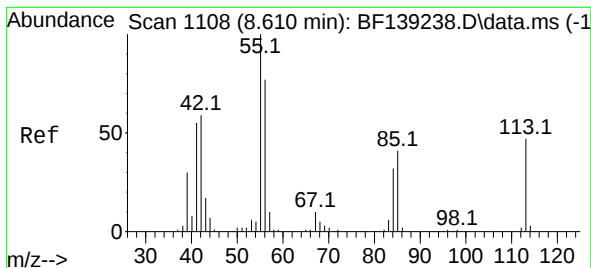
Ion Ratio Lower Upper

225 100

223 63.6 50.7 76.1

227 64.4 51.5 77.3





#35

Caprolactam

Concen: 9.216 ng

RT: 8.569 min Scan# 1108

Delta R.T. -0.041 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

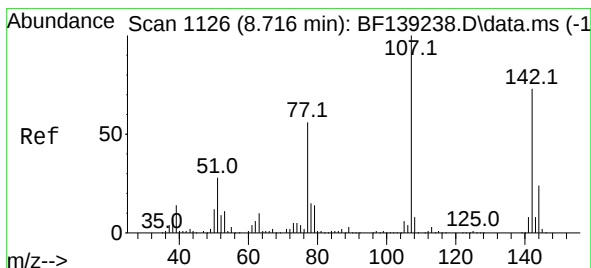
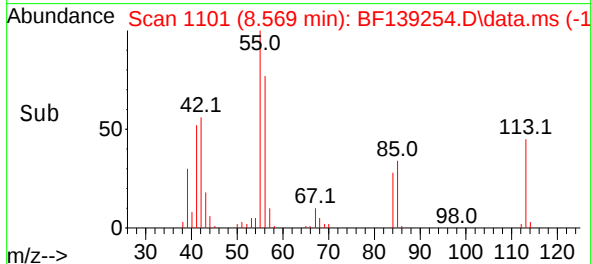
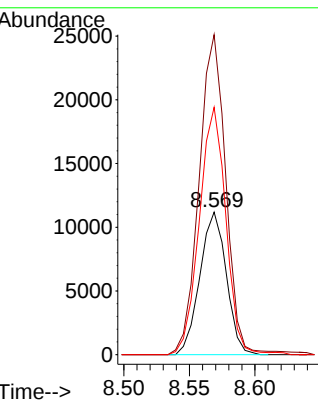
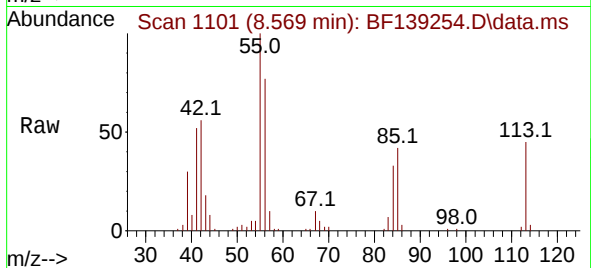
Tgt Ion:113 Resp: 15704

Ion Ratio Lower Upper

113 100

55 224.3 193.7 233.7

56 173.5 145.0 185.0



#36

4-Chloro-3-methylphenol

Concen: 9.853 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

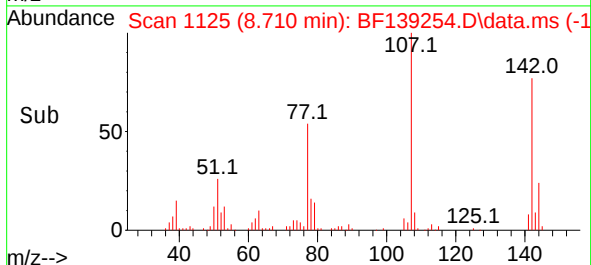
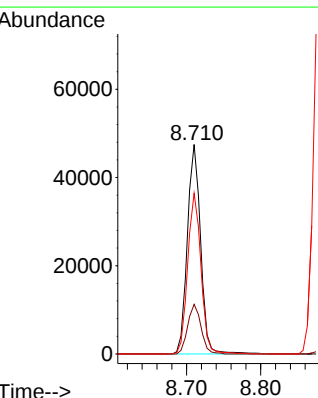
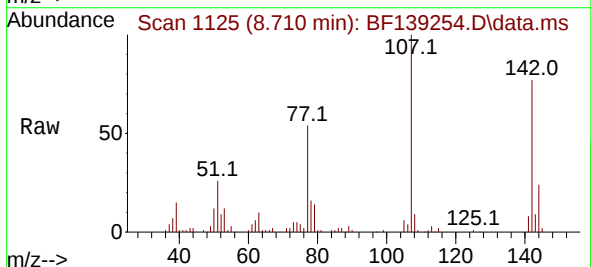
Tgt Ion:107 Resp: 59097

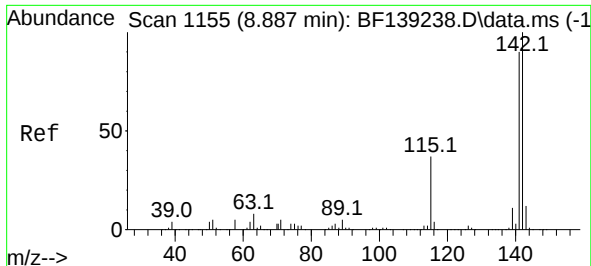
Ion Ratio Lower Upper

107 100

144 23.7 19.1 28.7

142 76.7 58.3 87.5





#37

2-Methylnaphthalene

Concen: 10.175 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

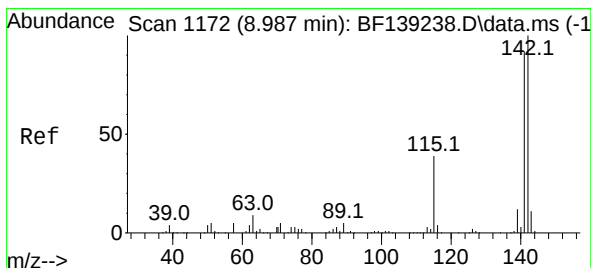
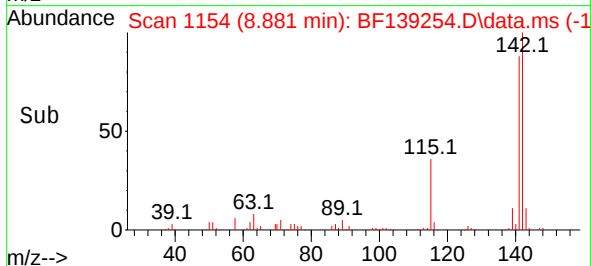
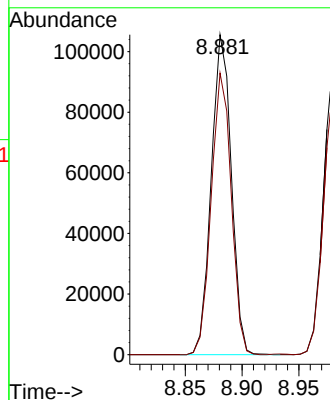
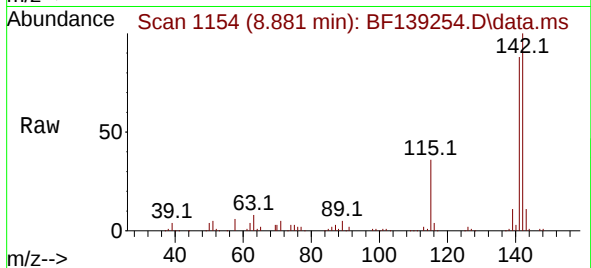
LOQ-SOIL-02-QT2-2024

Tgt Ion:142 Resp: 129670

Ion Ratio Lower Upper

142 100

141 88.0 71.6 107.4



#38

1-Methylnaphthalene

Concen: 9.593 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139254.D

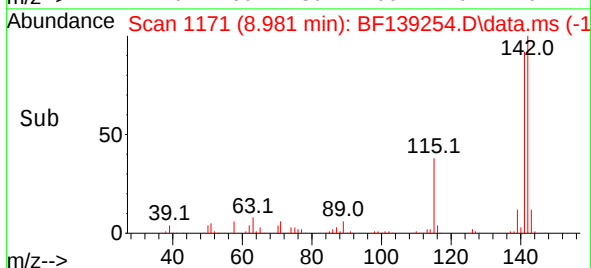
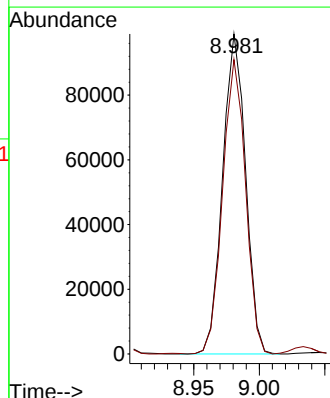
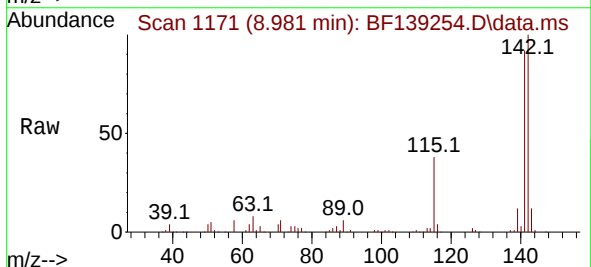
Acq: 05 Sep 2024 11:03

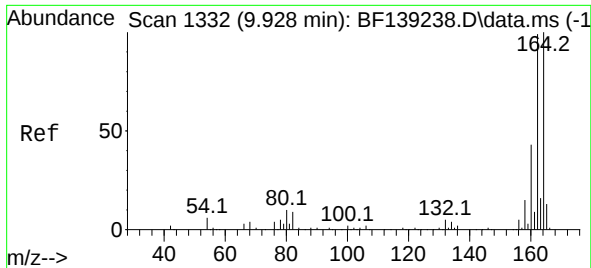
Tgt Ion:142 Resp: 120237

Ion Ratio Lower Upper

142 100

141 92.0 73.5 110.3

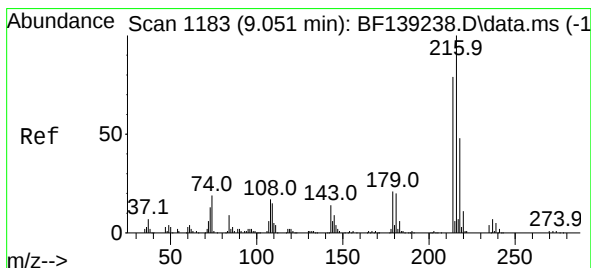
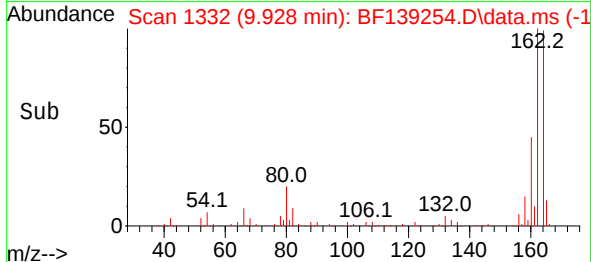
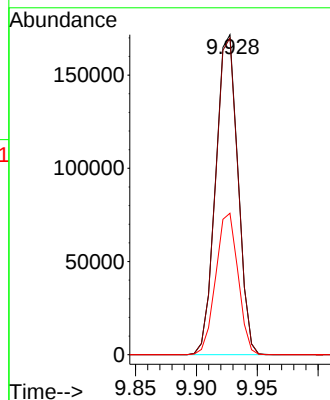
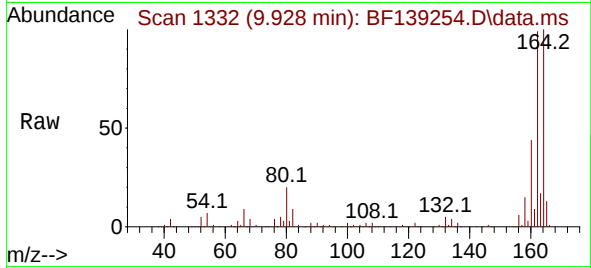




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

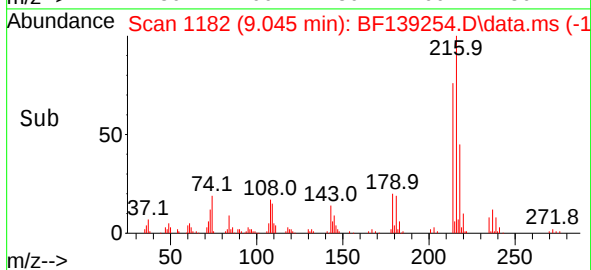
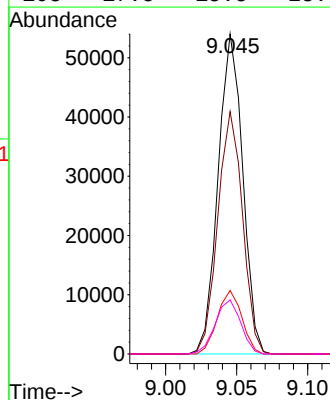
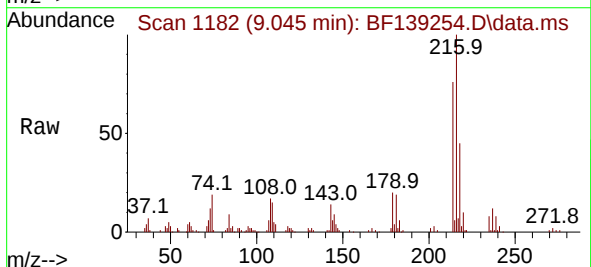
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

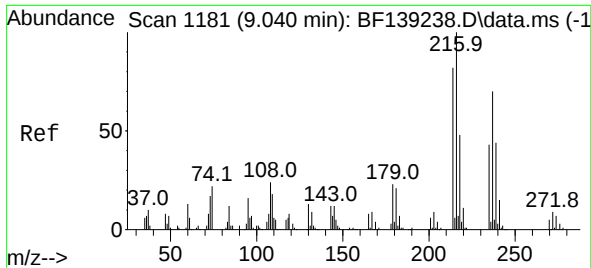
Tgt Ion:164 Resp: 218783
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.2 34.2 51.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.498 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:216 Resp: 64985
Ion Ratio Lower Upper
216 100
214 76.3 63.8 95.8
179 19.8 16.9 25.3
108 17.5 15.5 23.3

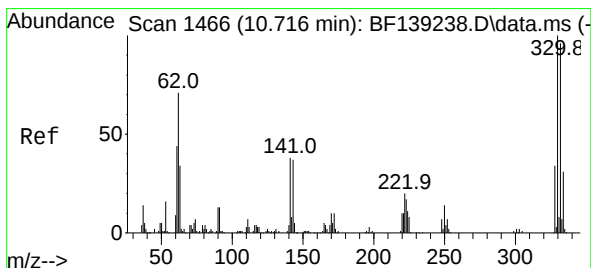
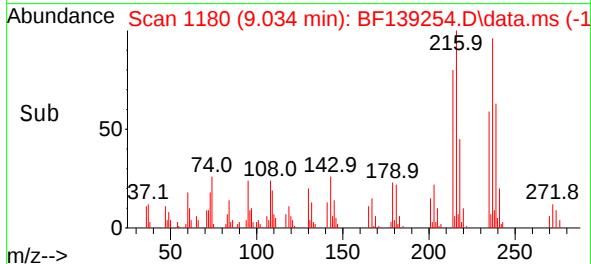
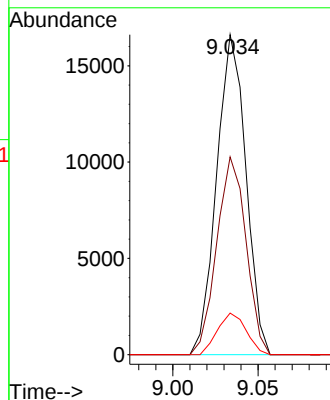
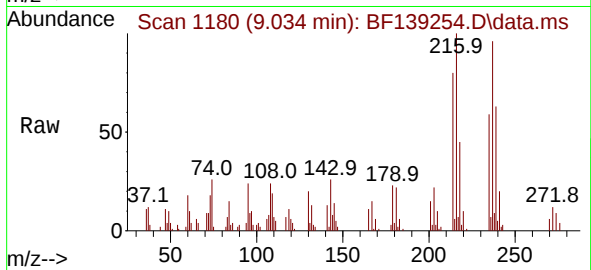




#41
Hexachlorocyclopentadiene
Concen: 9.980 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

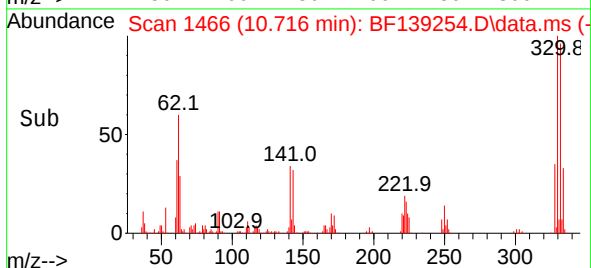
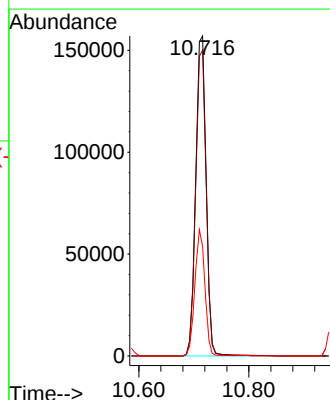
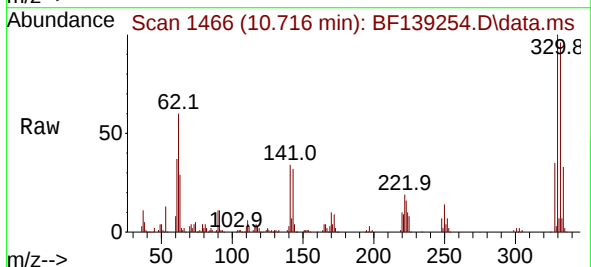
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

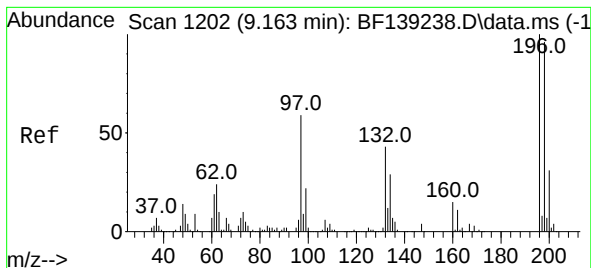
Tgt Ion:237 Resp: 19853
Ion Ratio Lower Upper
237 100
235 61.8 41.4 81.4
272 13.0 0.0 32.2



#42
2,4,6-Tribromophenol
Concen: 110.227 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:330 Resp: 208244
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 37.7 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 9.469 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

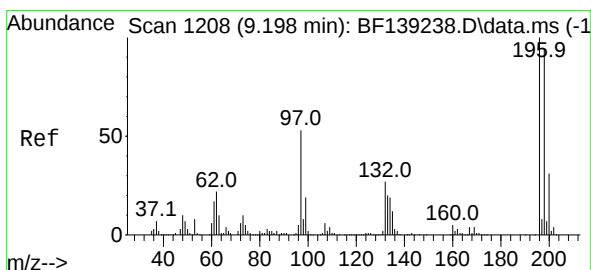
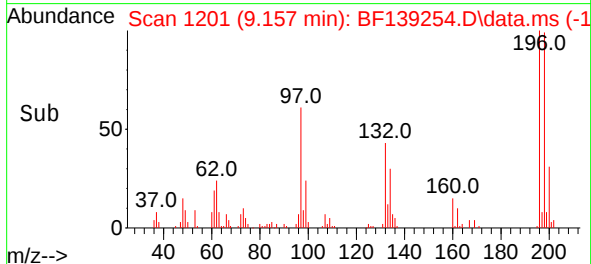
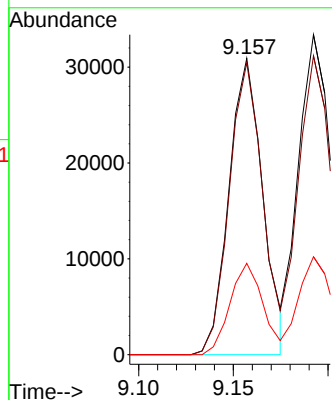
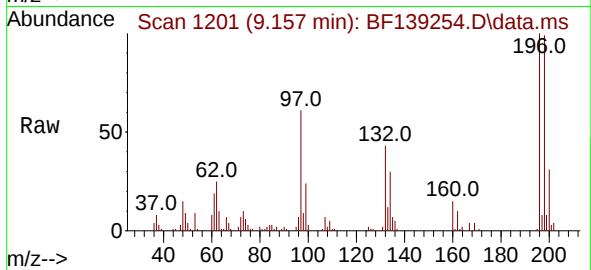
Tgt Ion:196 Resp: 38351

Ion Ratio Lower Upper

196 100

198 98.6 77.0 115.4

200 30.8 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 9.962 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Tgt Ion:196 Resp: 42280

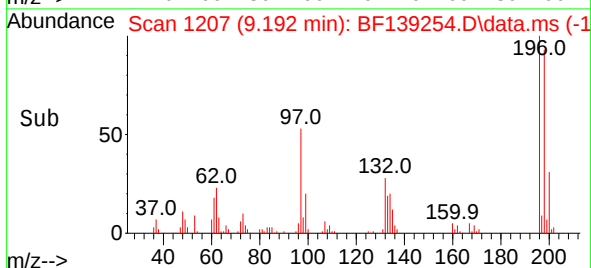
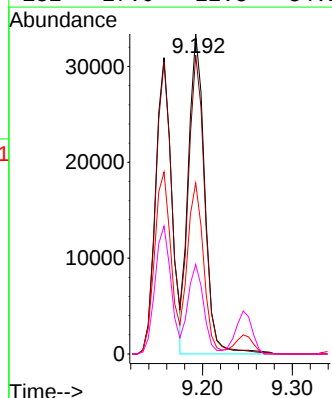
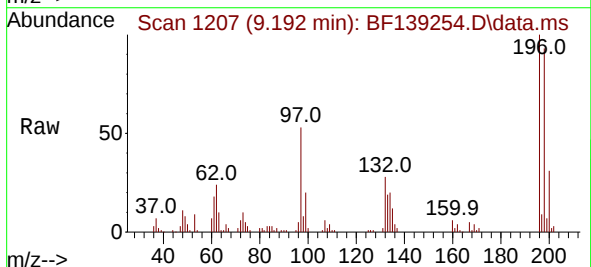
Ion Ratio Lower Upper

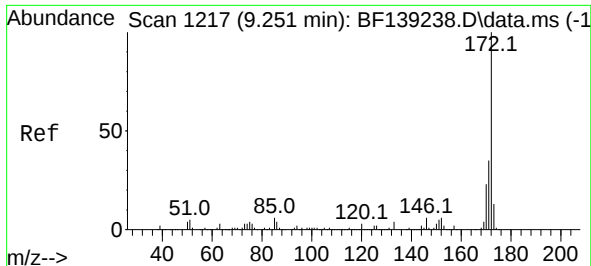
196 100

198 93.4 75.6 113.4

97 53.5 43.6 65.4

132 27.9 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 79.515 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

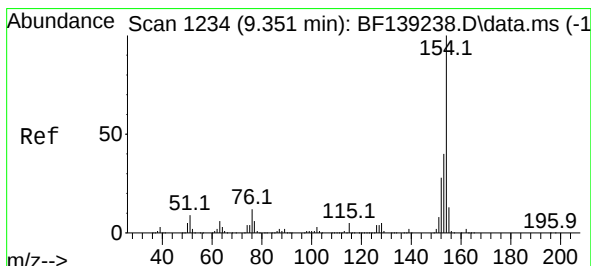
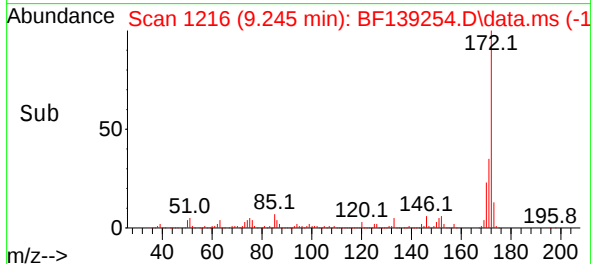
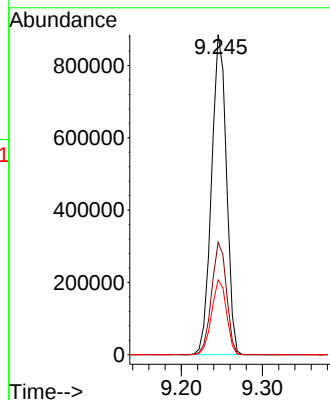
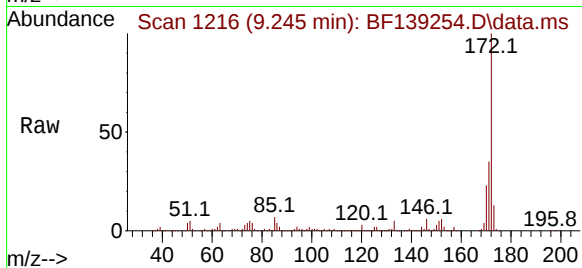
Tgt Ion:172 Resp: 1126980

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.4 18.7 28.1



#46

1,1'-Biphenyl

Concen: 10.480 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

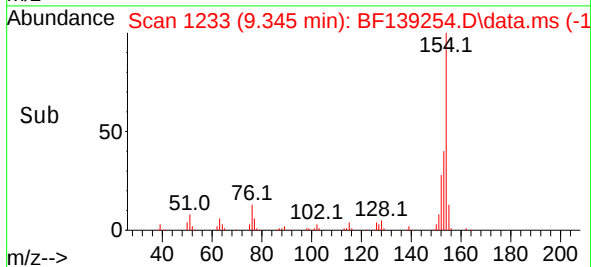
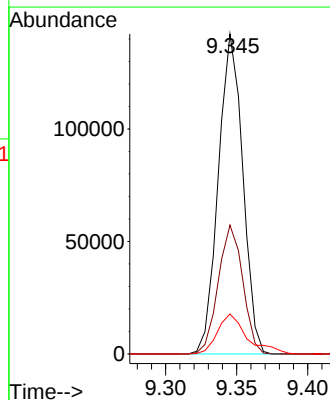
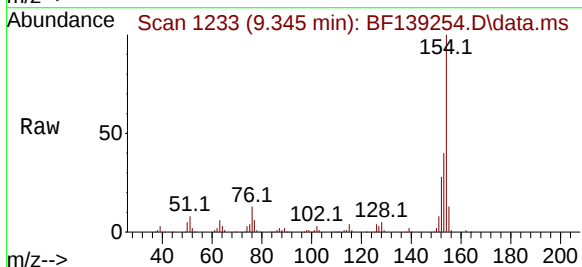
Tgt Ion:154 Resp: 169880

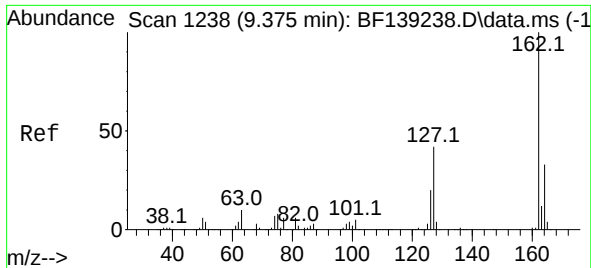
Ion Ratio Lower Upper

154 100

153 40.3 20.1 60.1

76 12.5 0.0 32.3

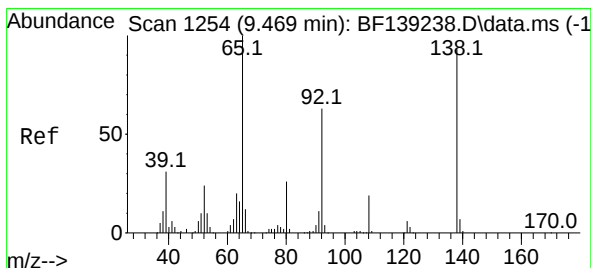
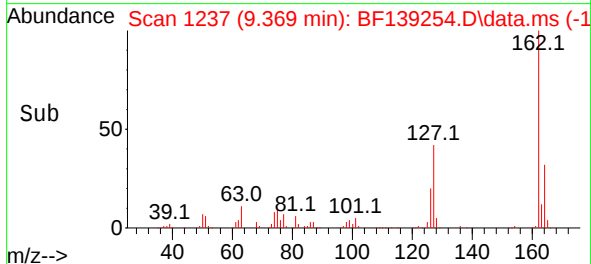
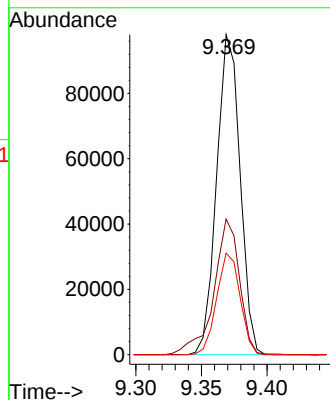
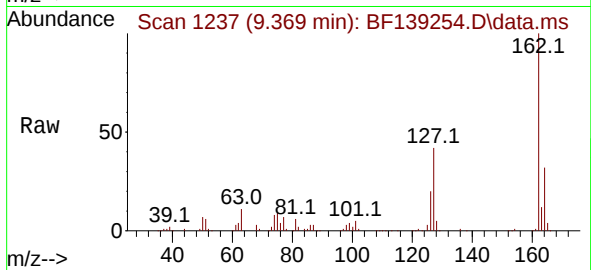




#47
2-Chloronaphthalene
Concen: 9.943 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

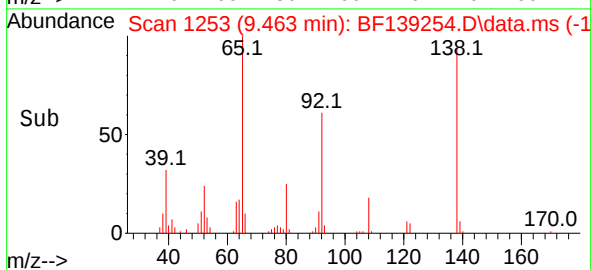
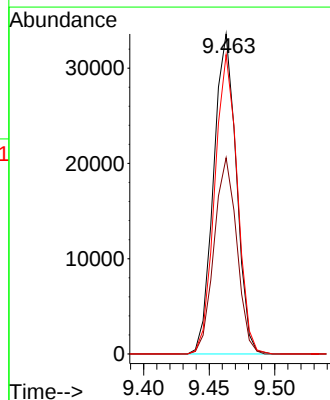
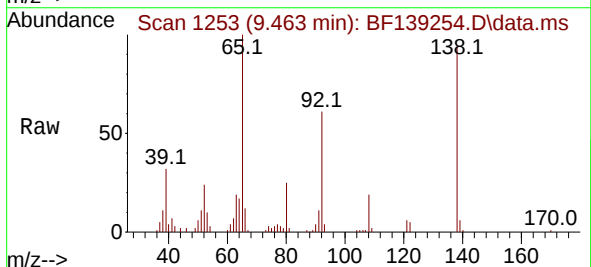
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

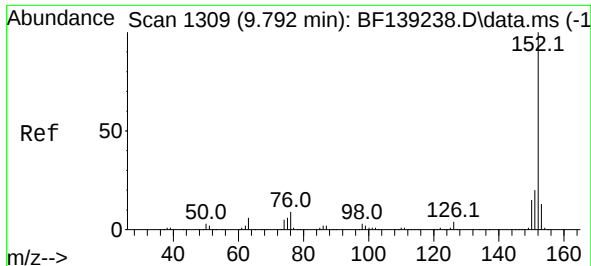
Tgt Ion:162 Resp: 121701
Ion Ratio Lower Upper
162 100
127 42.4 34.2 51.4
164 31.8 26.2 39.2



#48
2-Nitroaniline
Concen: 9.608 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion: 65 Resp: 40504
Ion Ratio Lower Upper
65 100
92 61.3 50.4 75.6
138 93.5 74.2 111.4





#49

Acenaphthylene

Concen: 10.839 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

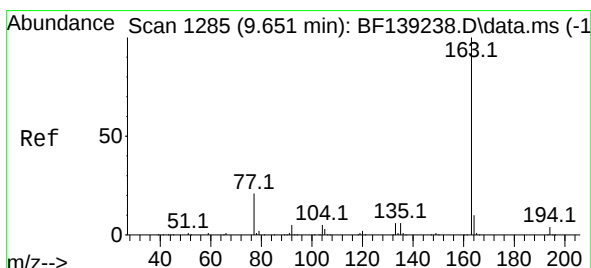
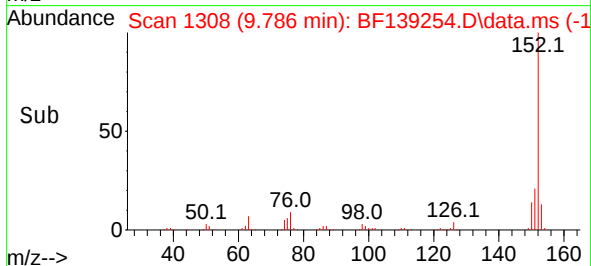
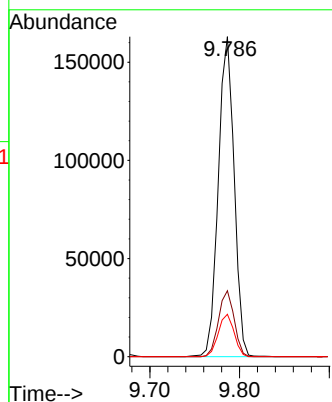
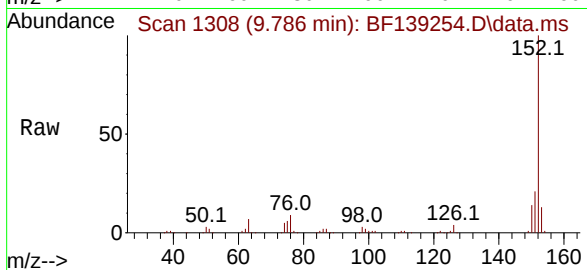
Tgt Ion:152 Resp: 199824

Ion Ratio Lower Upper

152 100

151 20.6 16.0 24.0

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 10.303 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

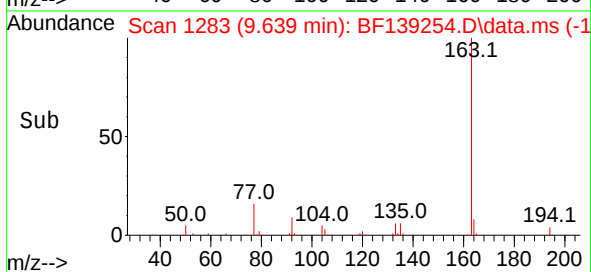
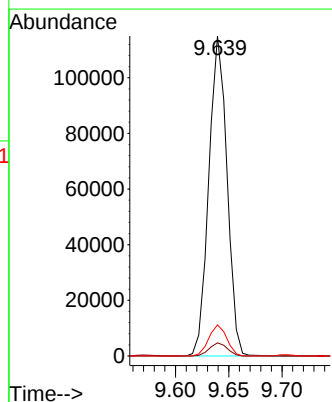
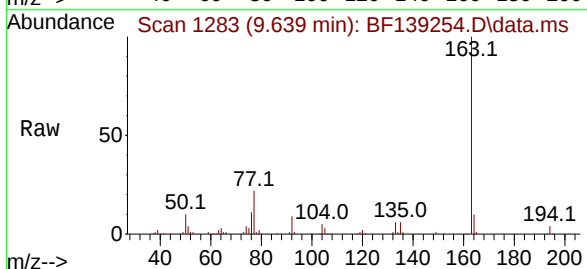
Tgt Ion:163 Resp: 136629

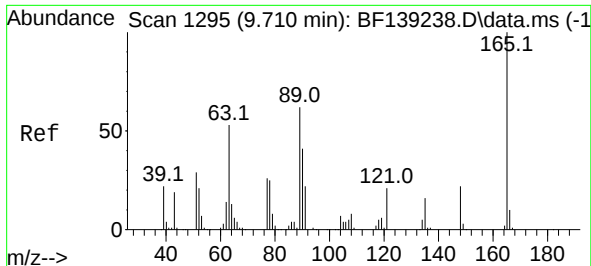
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 9.7 7.9 11.9

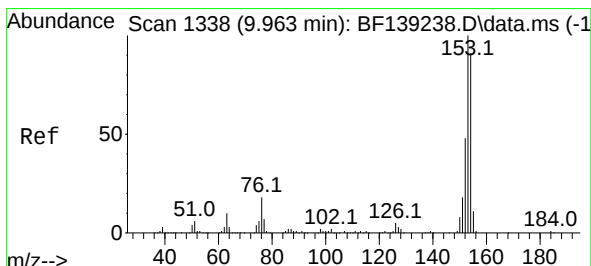
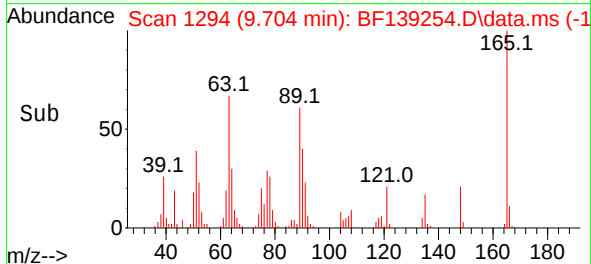
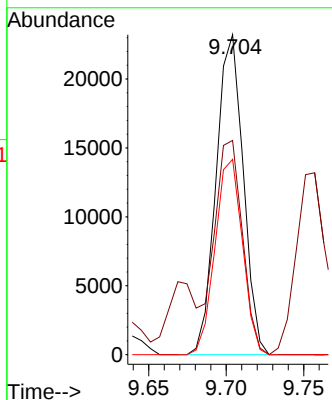
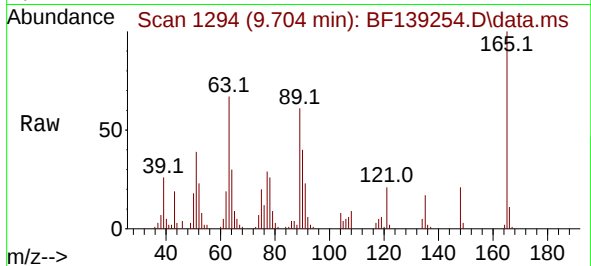




#51
2,6-Dinitrotoluene
Concen: 9.391 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

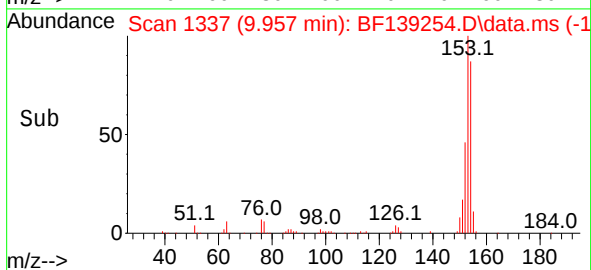
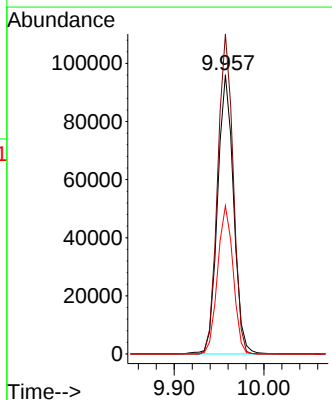
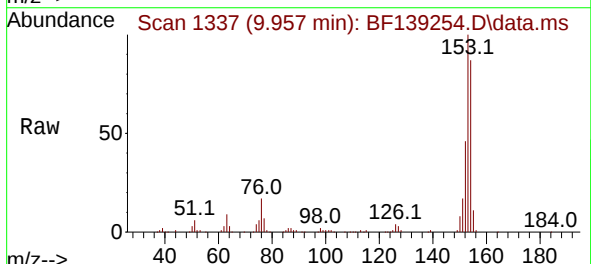
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

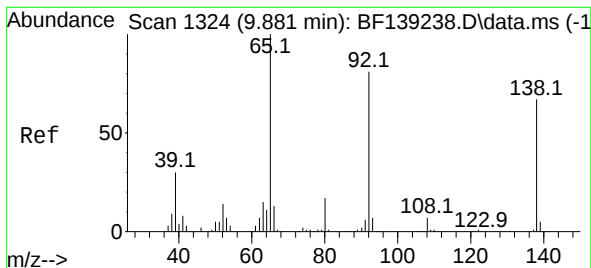
Tgt Ion:165 Resp: 28250
Ion Ratio Lower Upper
165 100
63 66.9 56.1 84.1
89 61.1 49.7 74.5



#52
Acenaphthene
Concen: 9.751 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:154 Resp: 119230
Ion Ratio Lower Upper
154 100
153 114.6 87.8 131.6
152 53.1 41.7 62.5





#53

3-Nitroaniline

Concen: 9.819 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

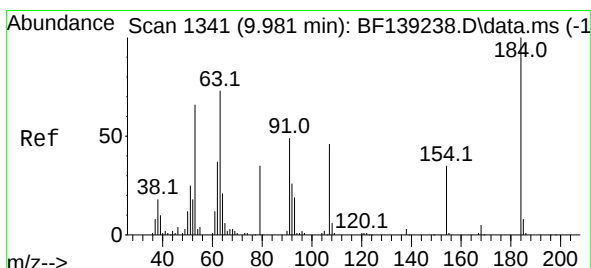
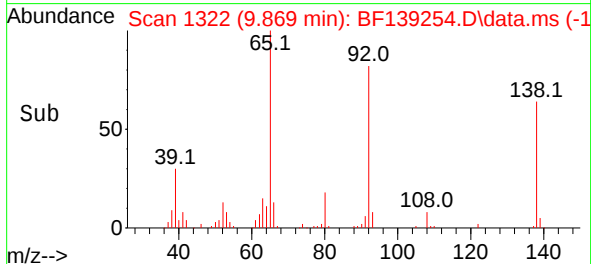
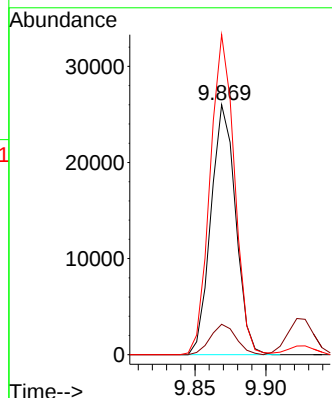
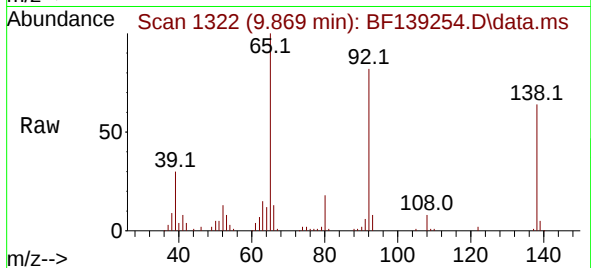
Tgt Ion:138 Resp: 31473

Ion Ratio Lower Upper

138 100

108 12.2 8.6 13.0

92 128.1 96.4 144.6



#54

2,4-Dinitrophenol

Concen: 10.839 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

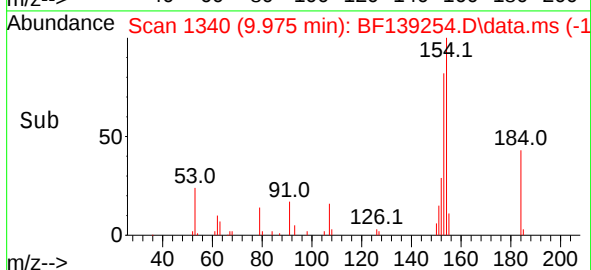
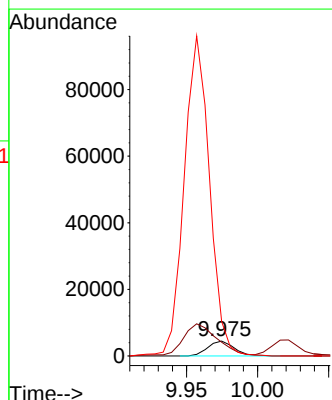
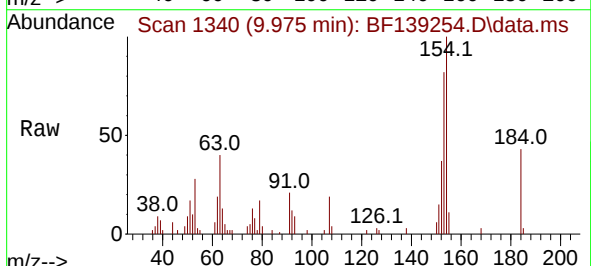
Tgt Ion:184 Resp: 5765

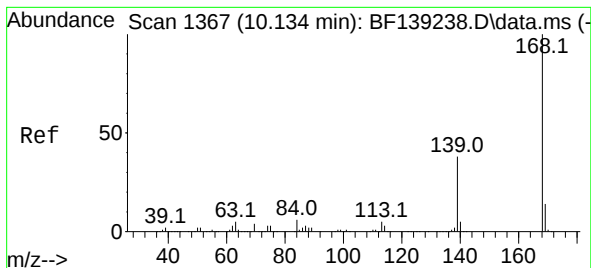
Ion Ratio Lower Upper

184 100

63 92.5 66.4 99.6

154 232.8 97.0 145.6#





#55

Dibenzenofuran

Concen: 10.482 ng

RT: 10.128 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

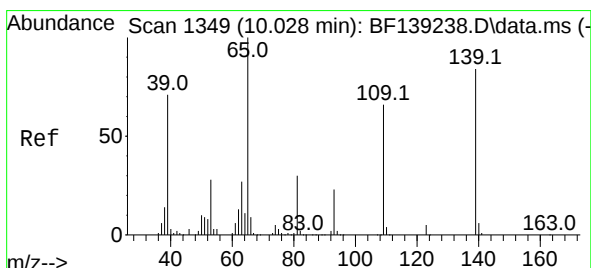
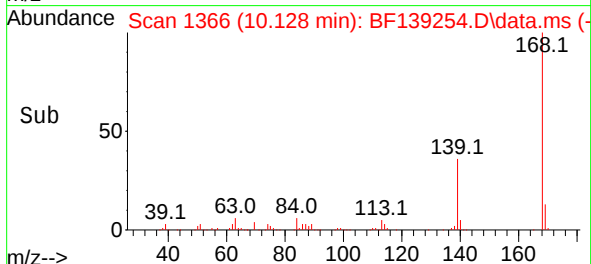
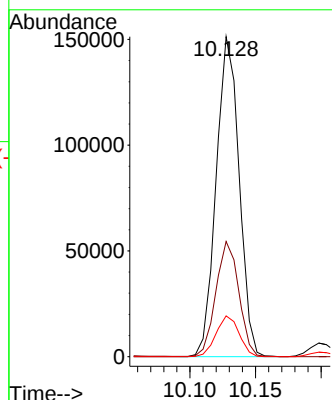
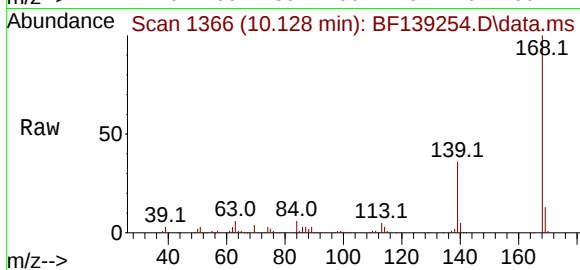
Tgt Ion:168 Resp: 183757

Ion Ratio Lower Upper

168 100

139 36.0 30.2 45.4

169 12.7 10.8 16.2



#56

4-Nitrophenol

Concen: 8.153 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

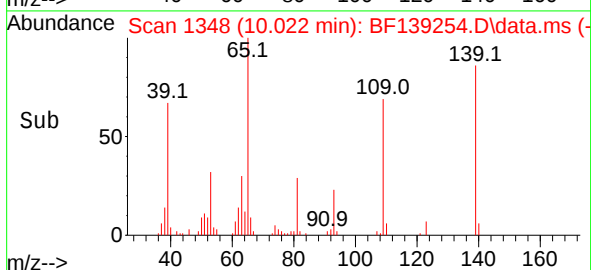
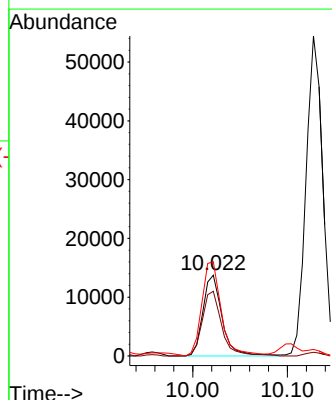
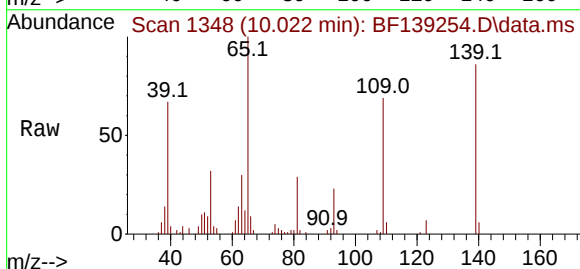
Tgt Ion:139 Resp: 19287

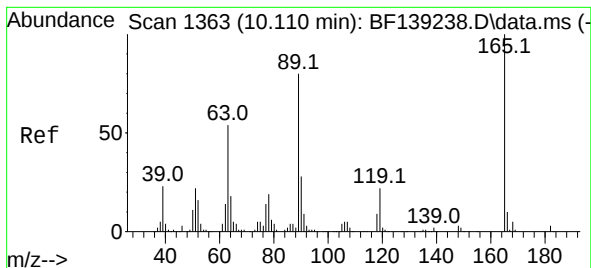
Ion Ratio Lower Upper

139 100

109 79.9 58.7 98.7

65 116.6 100.3 140.3

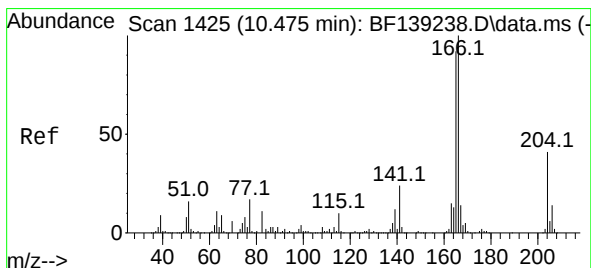
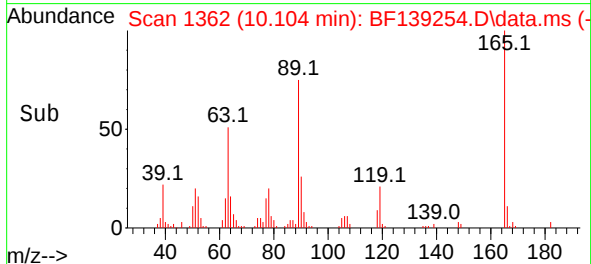
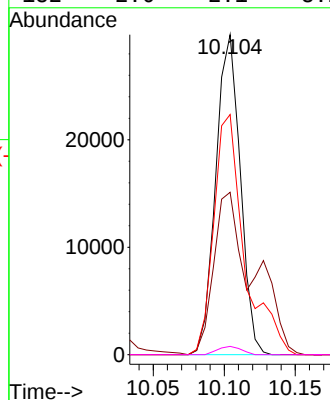
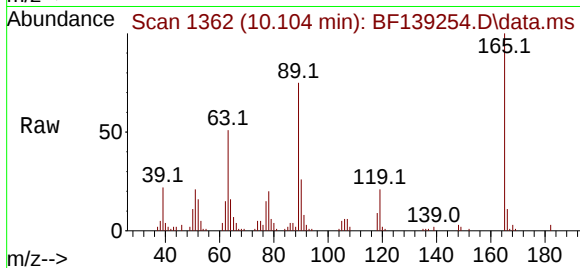




#57
2,4-Dinitrotoluene
Concen: 9.320 ng
RT: 10.104 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

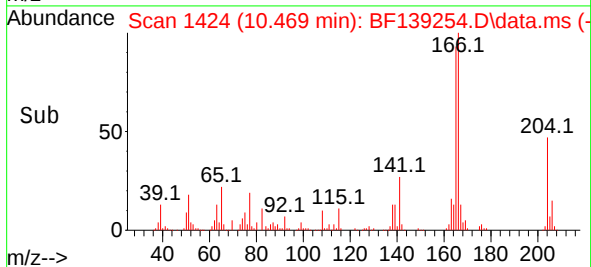
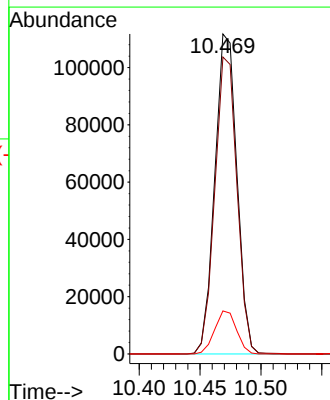
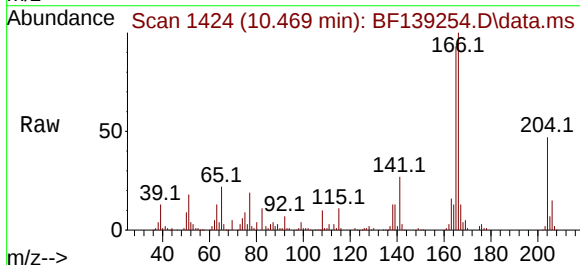
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

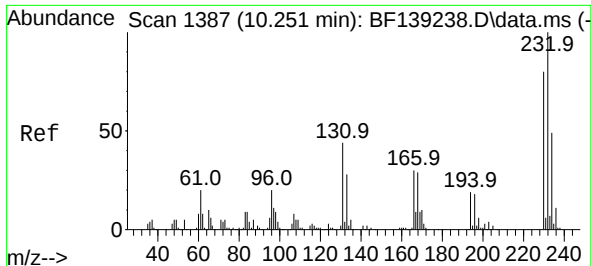
Tgt Ion:165 Resp: 35685
Ion Ratio Lower Upper
165 100
63 50.8 43.4 65.0
89 75.1 64.2 96.4
182 2.6 2.1 3.1



#58
Fluorene
Concen: 10.383 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:166 Resp: 141115
Ion Ratio Lower Upper
166 100
165 92.8 73.7 110.5
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.275 ng

RT: 10.198 min Scan# 1403

Delta R.T. -0.053 min

Lab File: BF139254.D

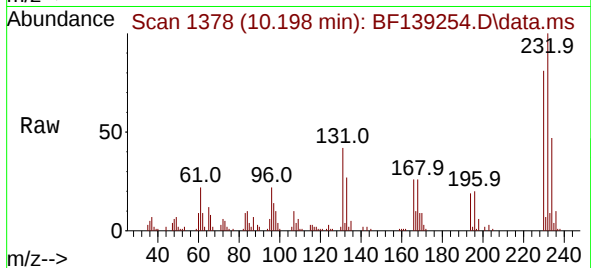
Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 30985

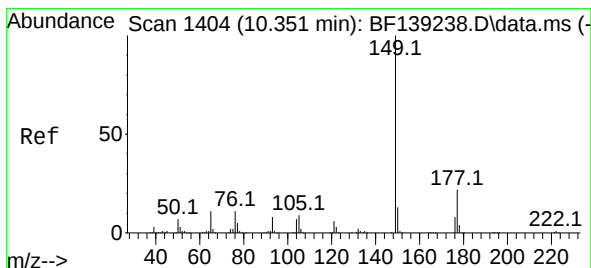
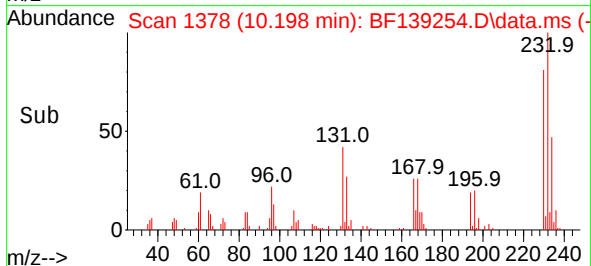
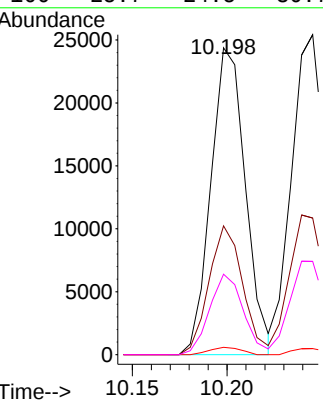
Ion Ratio Lower Upper

232 100

131 41.1 37.7 56.5

130 2.2 1.9 2.9

166 25.7 24.5 36.7



#60

Diethylphthalate

Concen: 9.995 ng

RT: 10.345 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

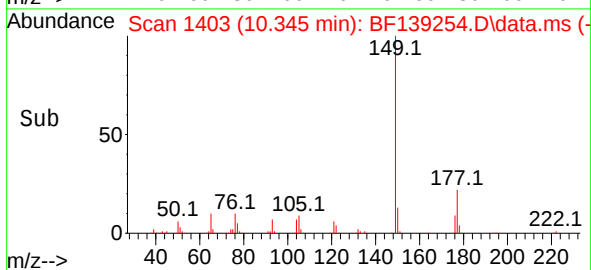
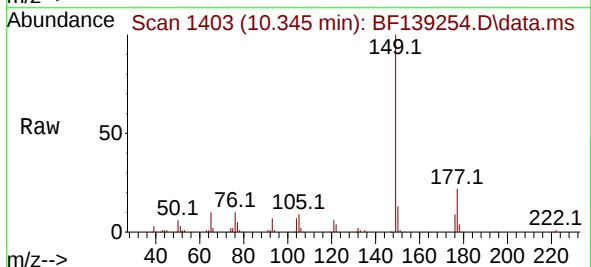
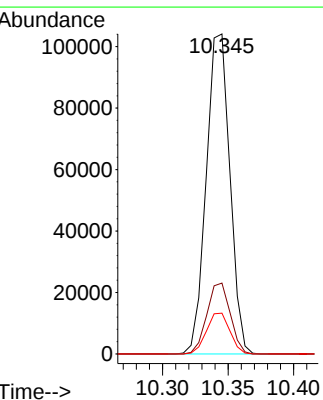
Tgt Ion:149 Resp: 130434

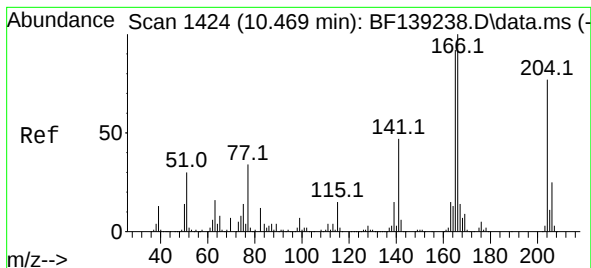
Ion Ratio Lower Upper

149 100

177 22.2 17.7 26.5

150 12.8 10.2 15.2

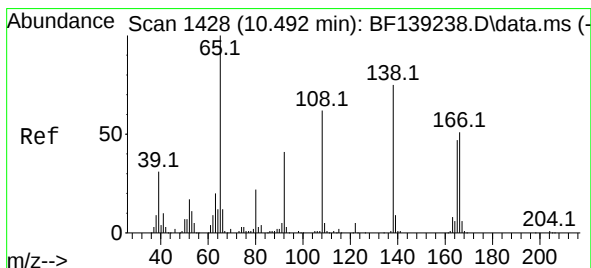
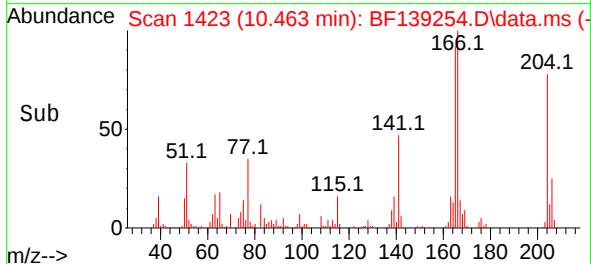
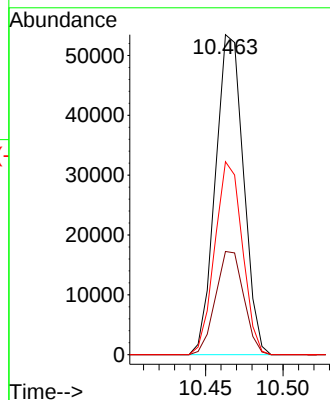
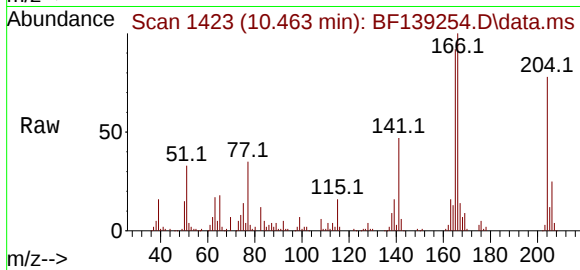




#61
4-Chlorophenyl-phenylether
Concen: 10.286 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

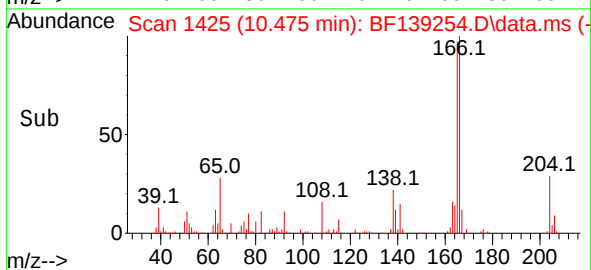
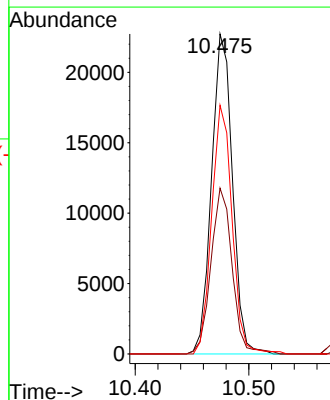
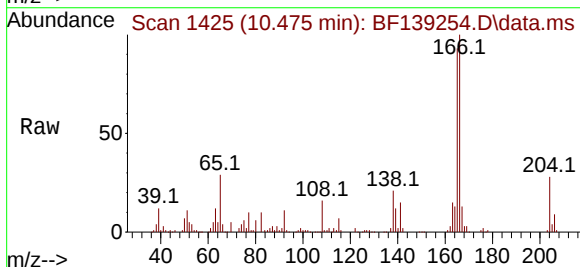
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

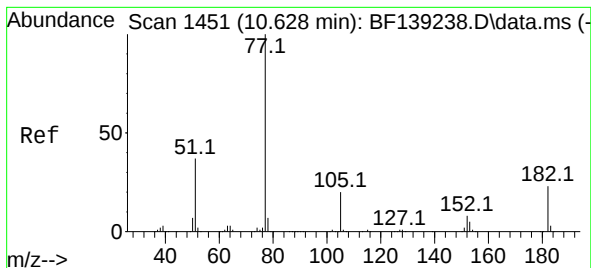
Tgt Ion:204 Resp: 67418
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 60.3 48.6 72.8



#62
4-Nitroaniline
Concen: 9.521 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:138 Resp: 29049
Ion Ratio Lower Upper
138 100
92 51.8 34.4 74.4
108 77.7 62.7 102.7





#63

Azobenzene

Concen: 10.184 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 140067

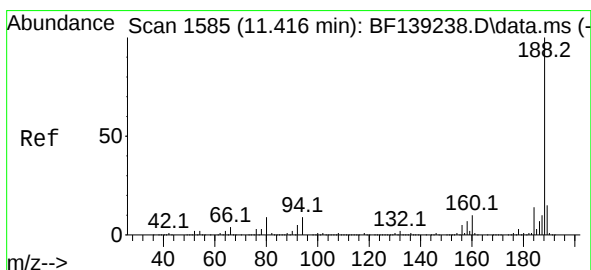
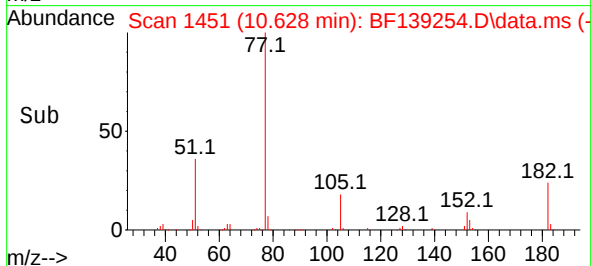
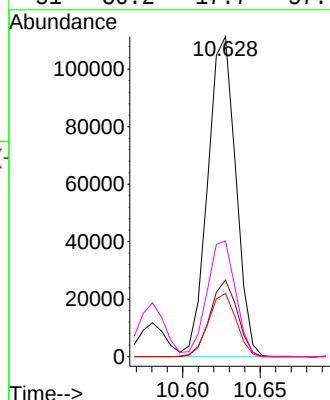
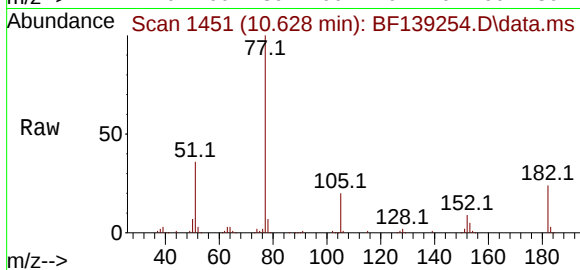
Ion Ratio Lower Upper

77 100

182 24.0 3.0 43.0

105 19.8 0.0 39.4

51 36.2 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: BF139254.D

Acq: 05 Sep 2024 11:03

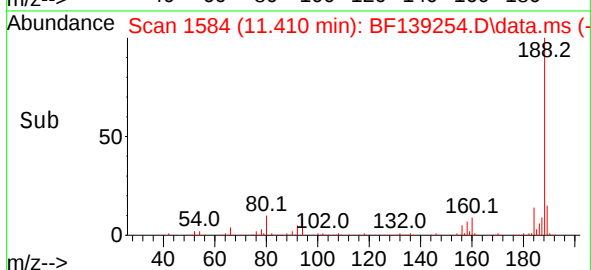
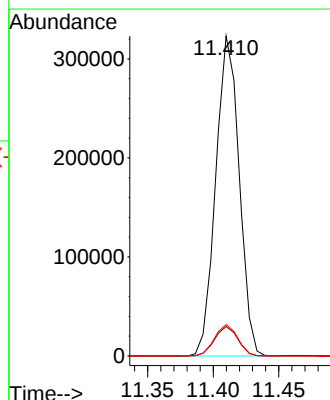
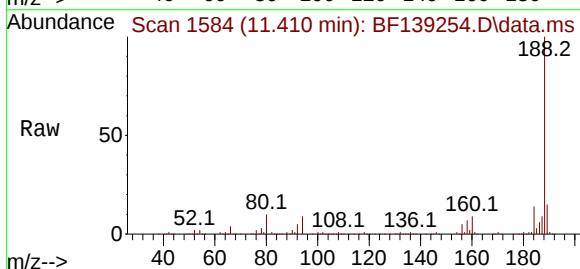
Tgt Ion:188 Resp: 401393

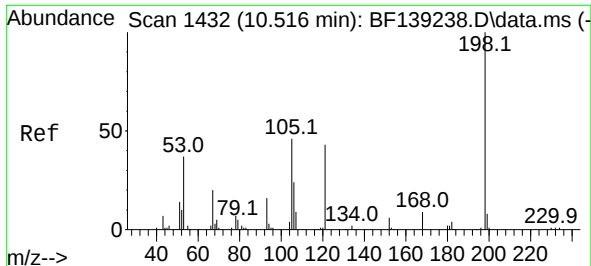
Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 9.8 7.3 10.9





#65

4,6-Dinitro-2-methylphenol

Concen: 5.349 ng

RT: 10.510 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

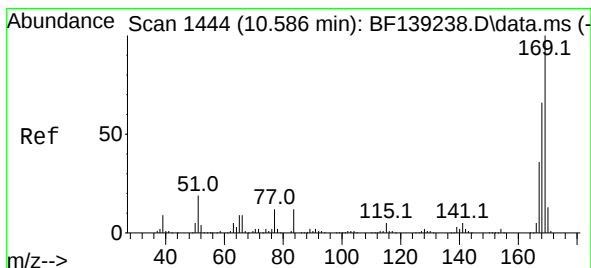
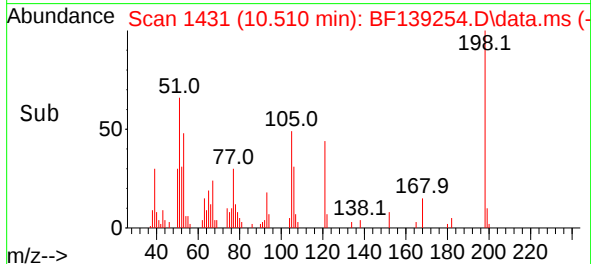
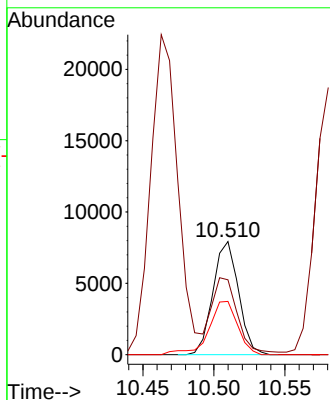
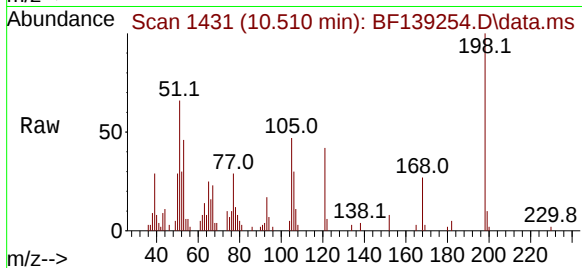
Tgt Ion:198 Resp: 9920

Ion Ratio Lower Upper

198 100

51 66.2 47.2 87.2

105 47.0 27.1 67.1



#66

n-Nitrosodiphenylamine

Concen: 10.225 ng

RT: 10.581 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

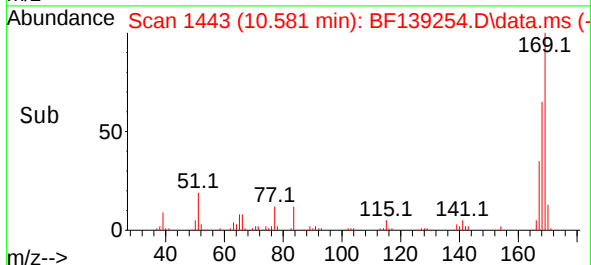
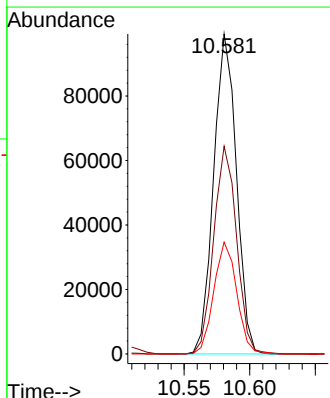
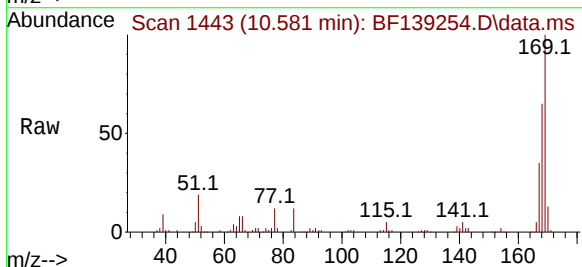
Tgt Ion:169 Resp: 119471

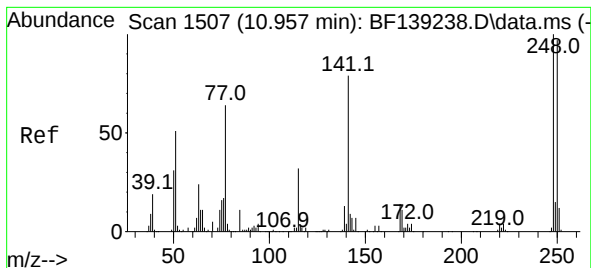
Ion Ratio Lower Upper

169 100

168 64.9 53.0 79.6

167 34.9 29.0 43.6

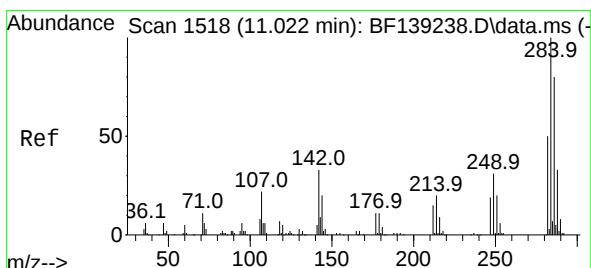
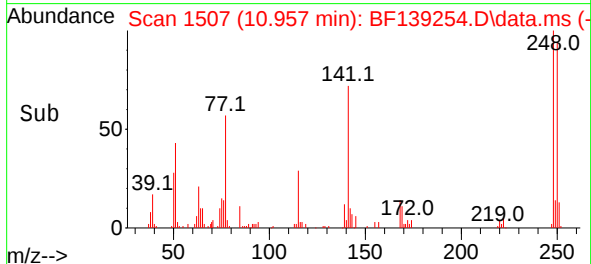
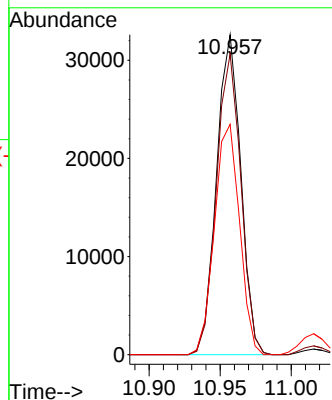
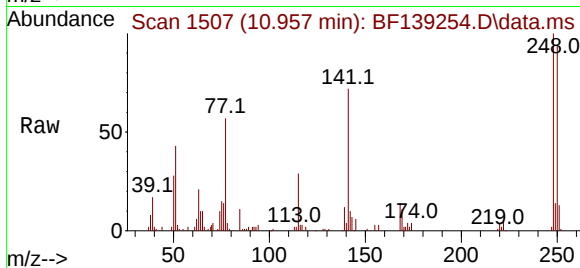




#67
4-Bromophenyl-phenylether
Concen: 9.968 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

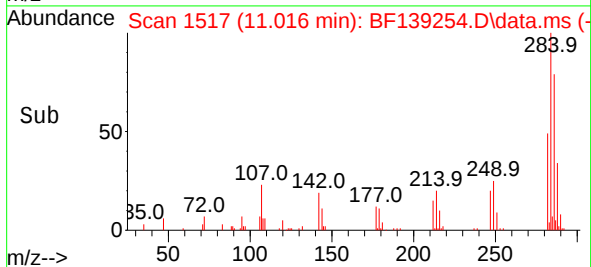
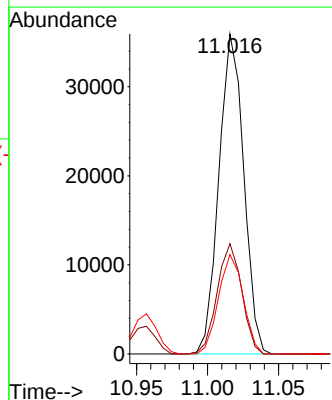
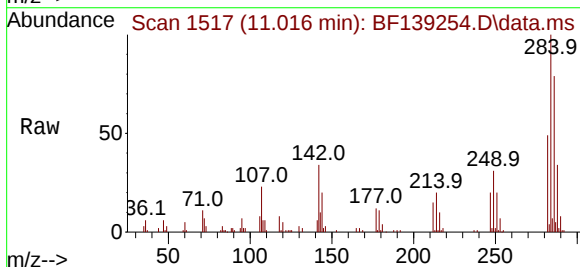
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

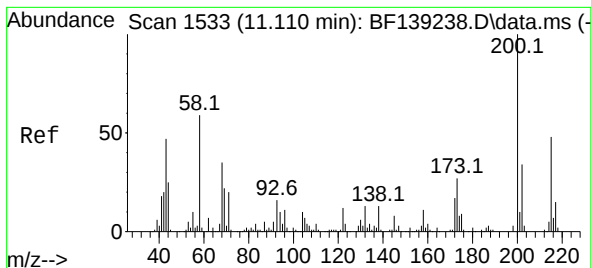
Tgt Ion:248 Resp: 38822
Ion Ratio Lower Upper
248 100
250 93.9 77.2 115.8
141 72.0 63.6 95.4



#68
Hexachlorobenzene
Concen: 9.795 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:284 Resp: 43671
Ion Ratio Lower Upper
284 100
142 34.4 26.5 39.7
249 31.0 24.8 37.2





#69

Atrazine

Concen: 12.279 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

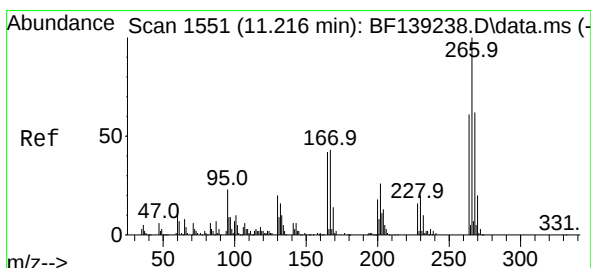
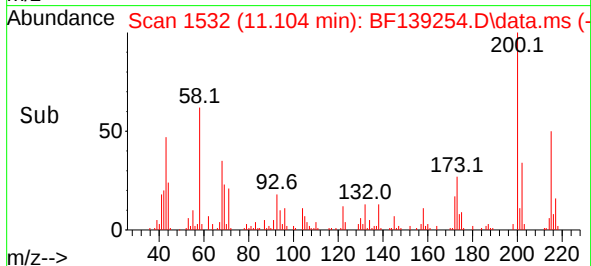
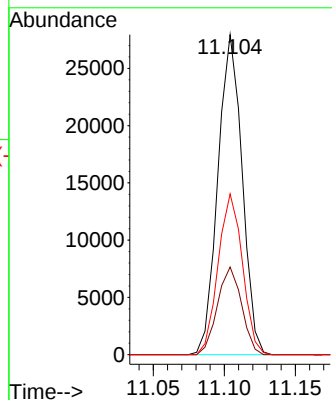
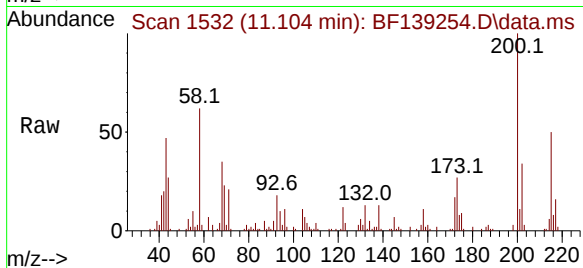
Tgt Ion:200 Resp: 33100

Ion Ratio Lower Upper

200 100

173 27.4 7.1 47.1

215 50.3 28.5 68.5



#70

Pentachlorophenol

Concen: 7.871 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

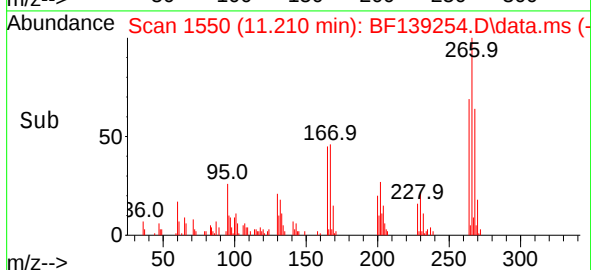
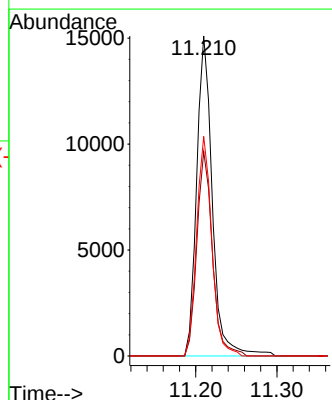
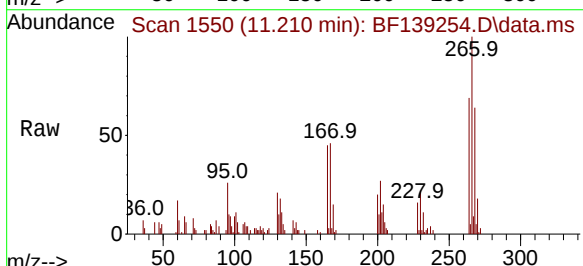
Tgt Ion:266 Resp: 20271

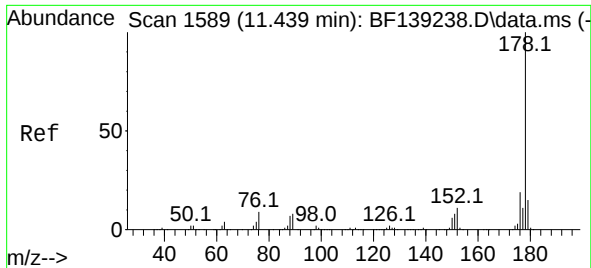
Ion Ratio Lower Upper

266 100

268 63.9 49.7 74.5

264 68.6 49.2 73.8

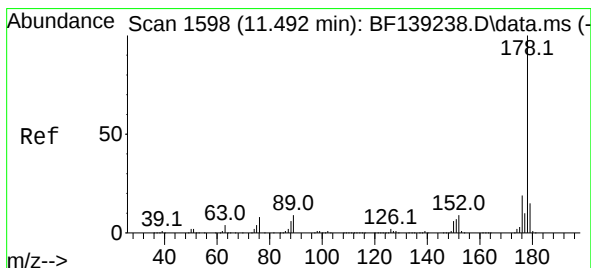
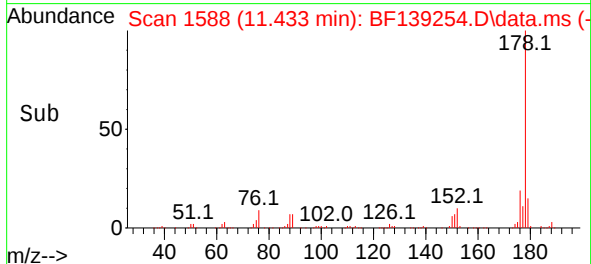
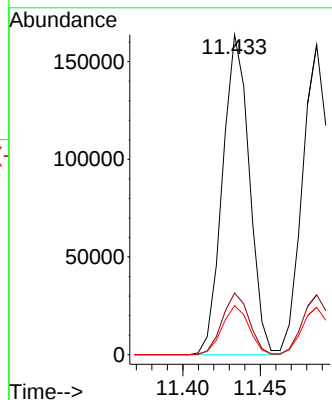
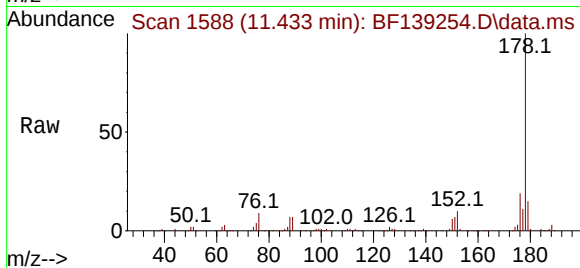




#71
Phenanthrene
Concen: 10.530 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

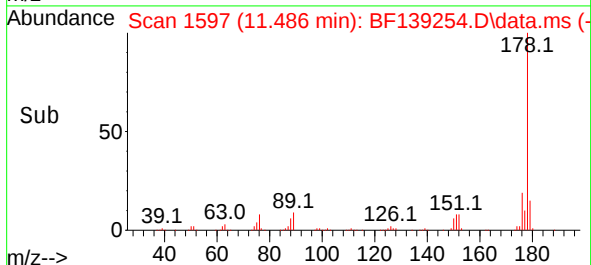
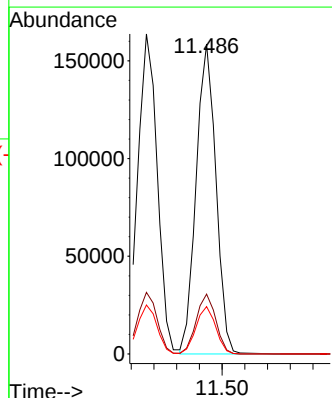
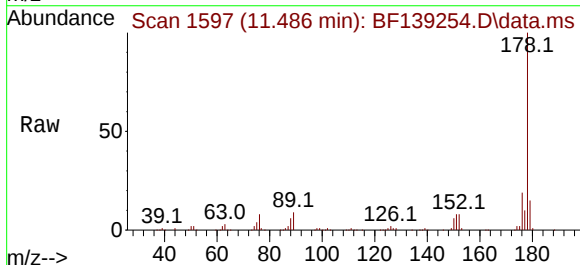
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

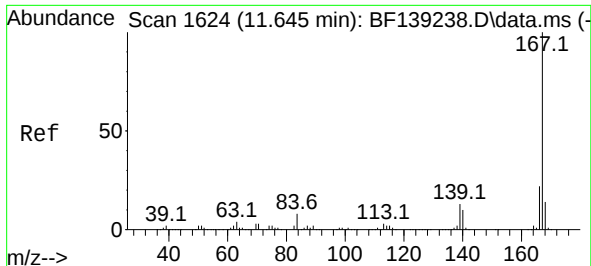
Tgt Ion:178 Resp: 197446
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.3 18.5



#72
Anthracene
Concen: 10.502 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:178 Resp: 192377
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 15.3 12.3 18.5





#73

Carbazole

Concen: 10.208 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

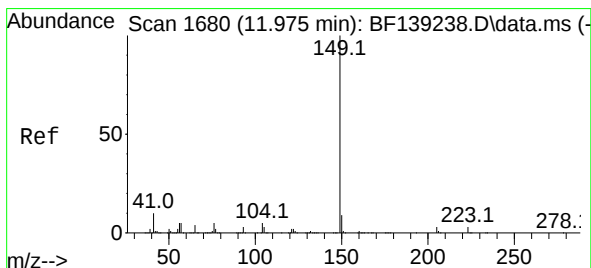
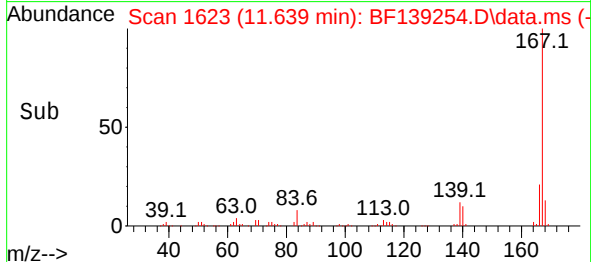
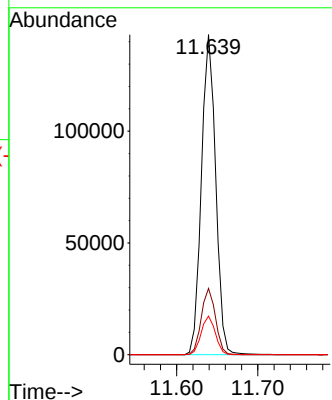
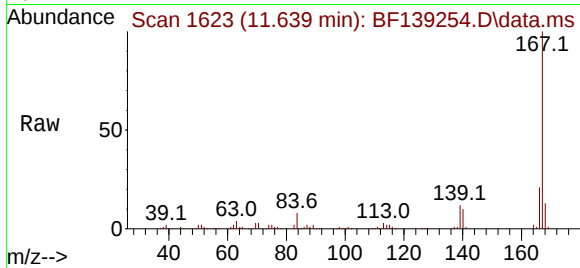
Tgt Ion:167 Resp: 174759

Ion Ratio Lower Upper

167 100

166 20.7 17.2 25.8

139 12.1 10.2 15.4



#74

Di-n-butylphthalate

Concen: 10.287 ng

RT: 11.975 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

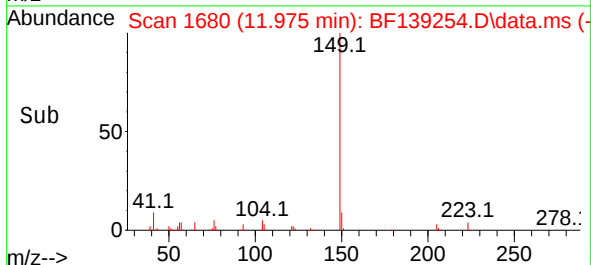
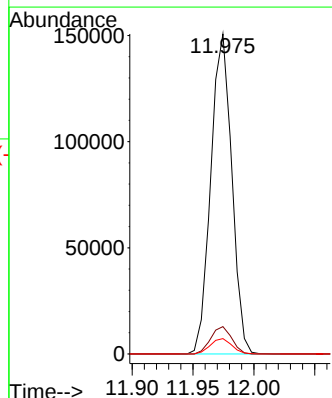
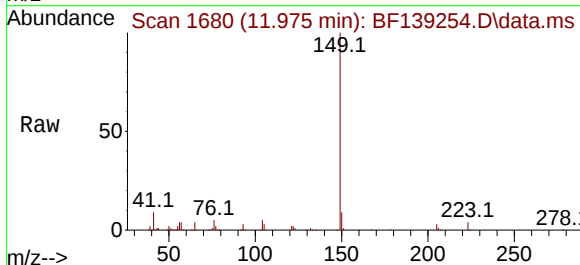
Tgt Ion:149 Resp: 180318

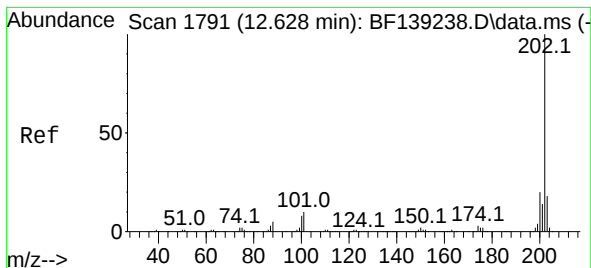
Ion Ratio Lower Upper

149 100

150 8.6 7.5 11.3

104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 10.331 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

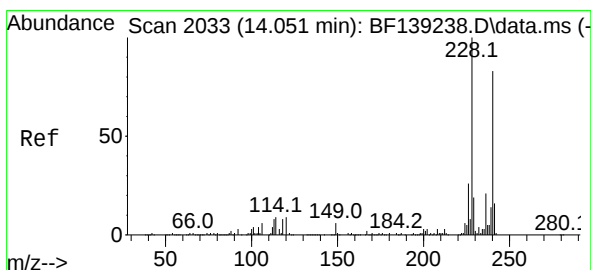
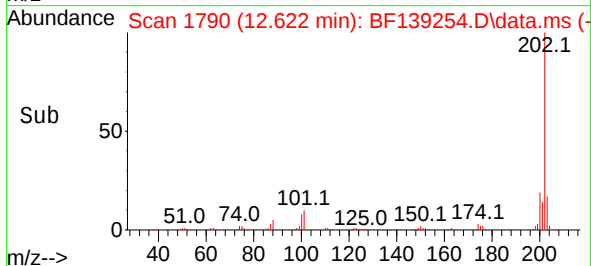
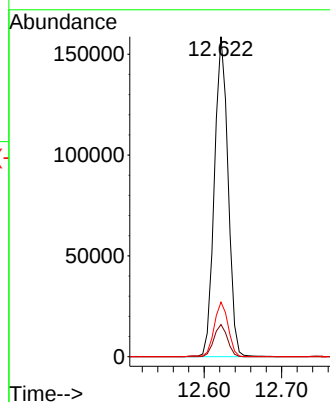
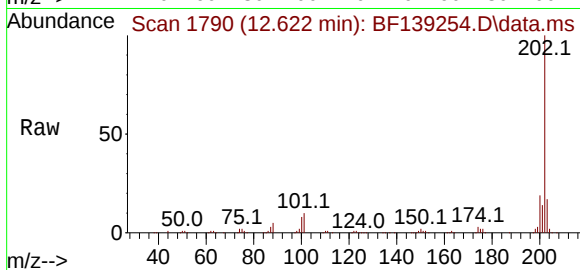
Tgt Ion:202 Resp: 194210

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.9

203 17.1 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

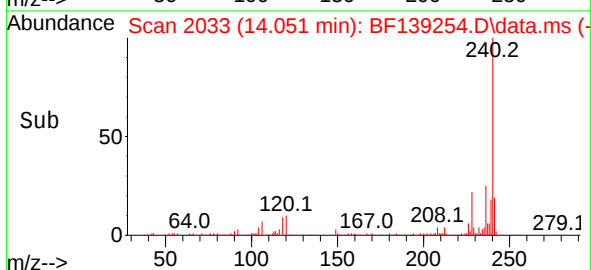
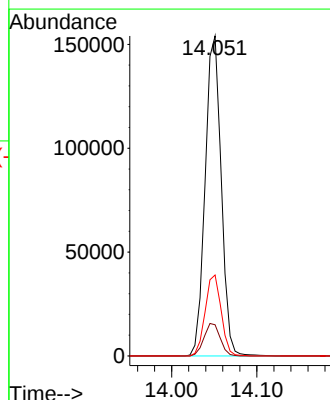
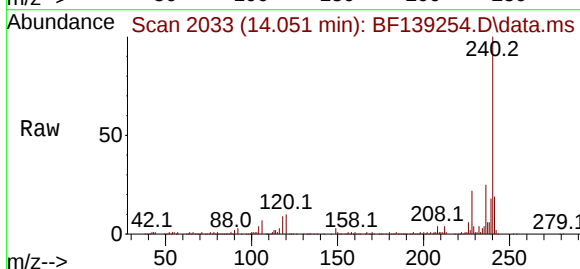
Tgt Ion:240 Resp: 201445

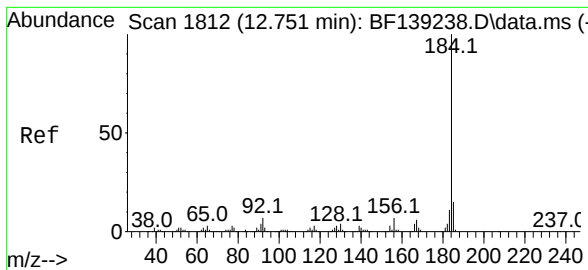
Ion Ratio Lower Upper

240 100

120 9.8 8.6 12.8

236 25.3 20.7 31.1





#77

Benzidine

Concen: 12.492 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

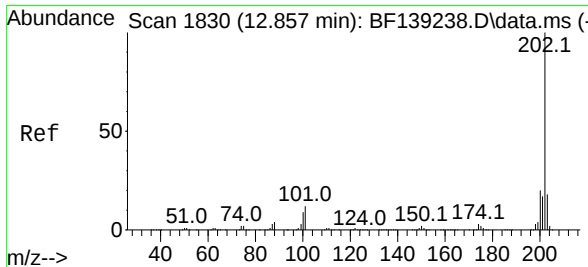
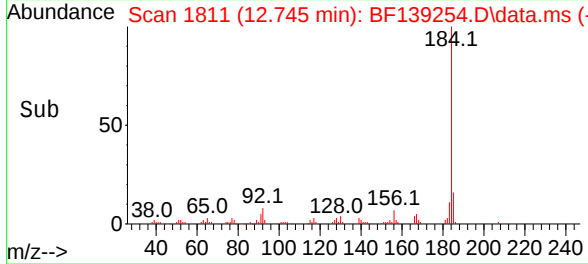
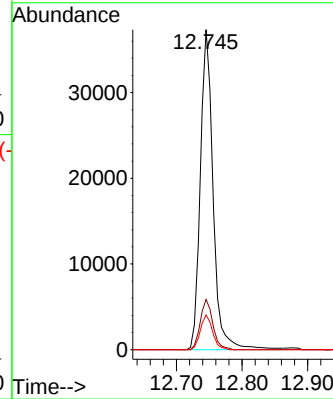
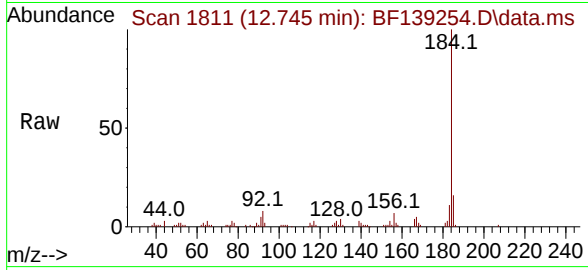
Tgt Ion:184 Resp: 50671

Ion Ratio Lower Upper

184 100

185 15.7 11.9 17.9

183 10.8 8.8 13.2



#78

Pyrene

Concen: 10.187 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

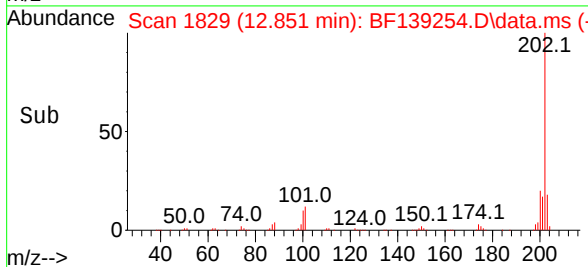
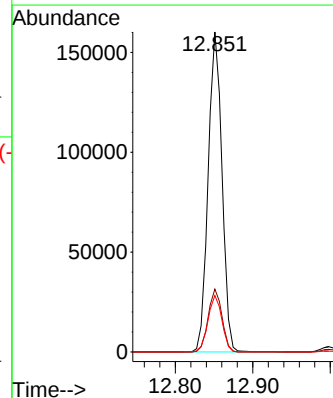
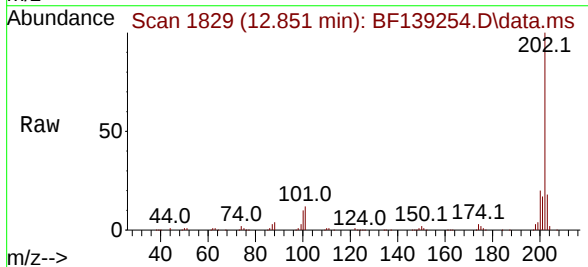
Tgt Ion:202 Resp: 198239

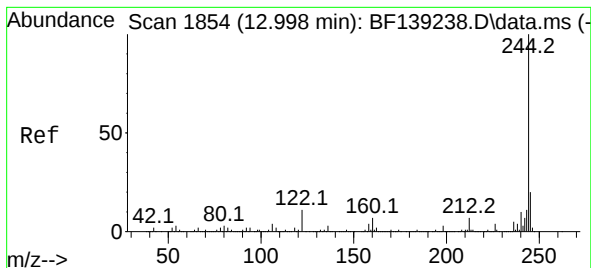
Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.8

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 80.077 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF139254.D

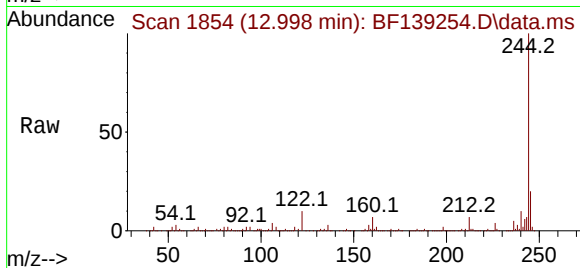
Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



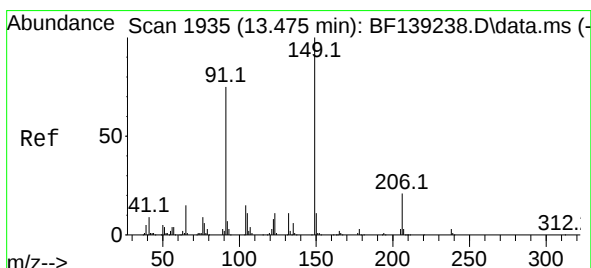
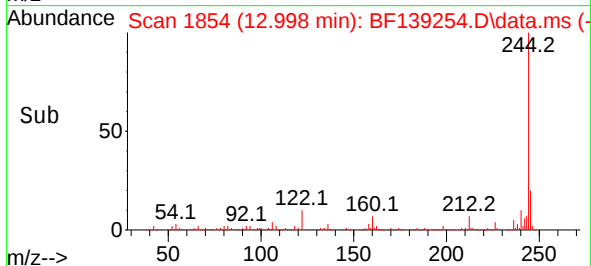
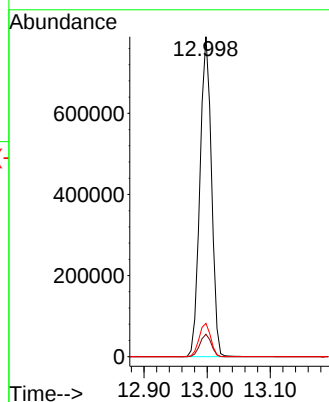
Tgt Ion:244 Resp: 999088

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 10.4 8.7 13.1



#80

Butylbenzylphthalate

Concen: 9.379 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

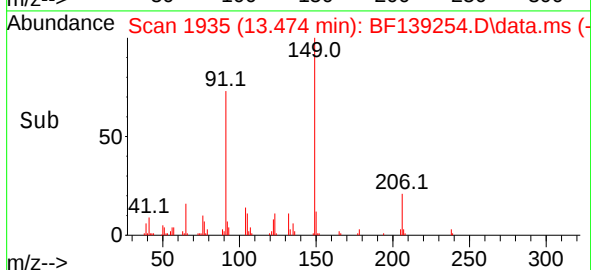
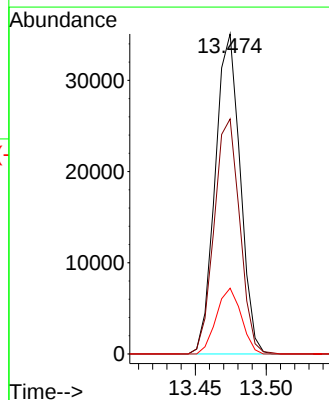
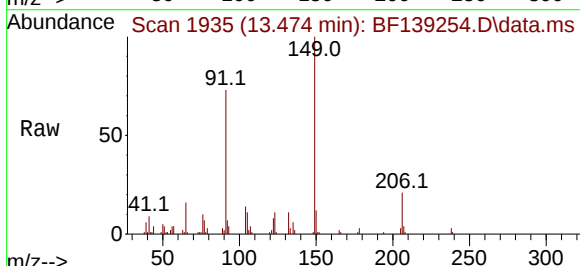
Tgt Ion:149 Resp: 42964

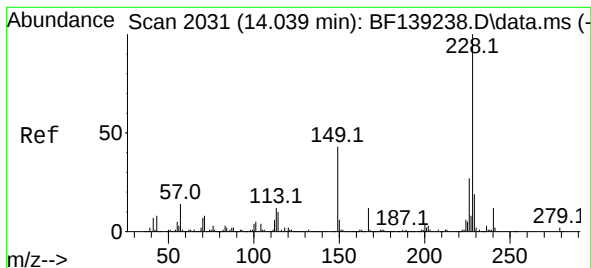
Ion Ratio Lower Upper

149 100

91 73.5 60.3 90.5

206 20.6 16.7 25.1





#81

Benzo(a)anthracene

Concen: 10.270 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

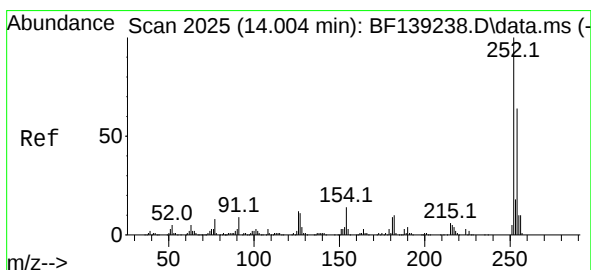
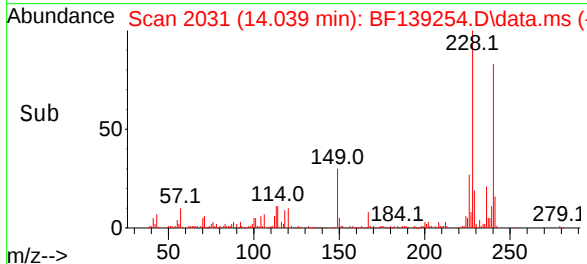
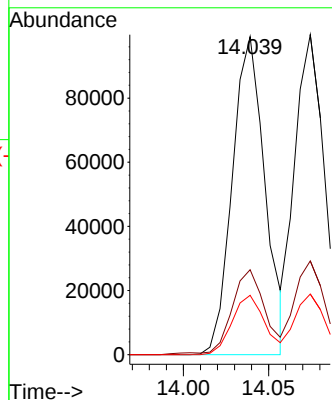
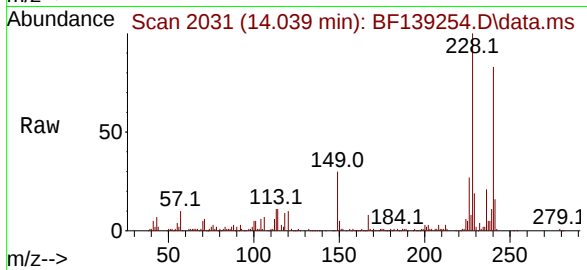
Tgt Ion:228 Resp: 132108

Ion Ratio Lower Upper

228 100

226 26.7 21.5 32.3

229 18.6 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 10.526 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

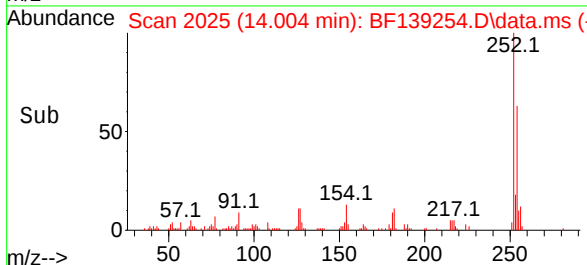
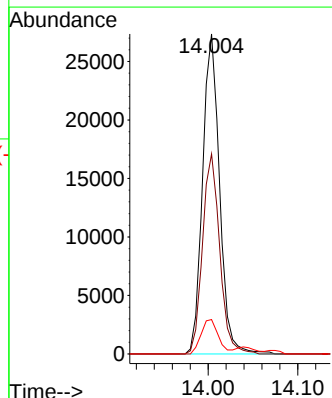
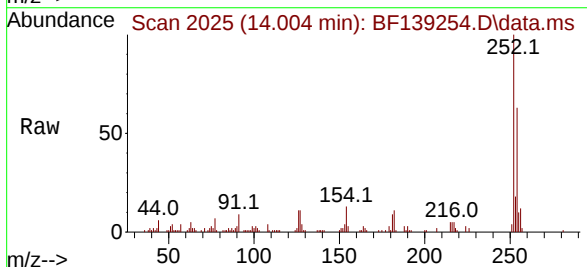
Tgt Ion:252 Resp: 35957

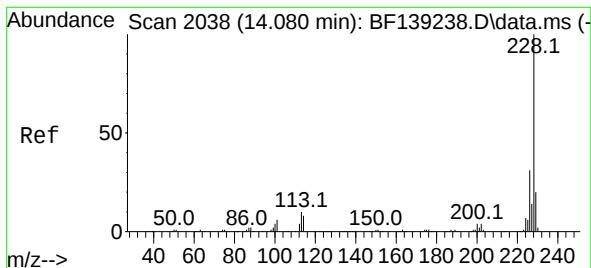
Ion Ratio Lower Upper

252 100

254 62.5 51.5 77.3

126 10.7 9.2 13.8





#83

Chrysene

Concen: 10.198 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

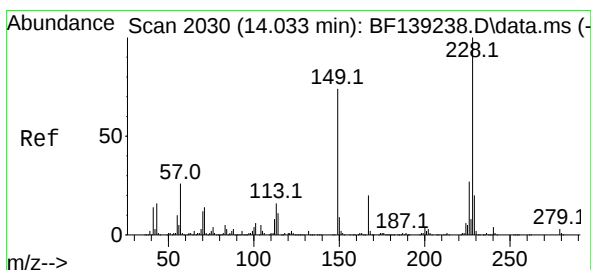
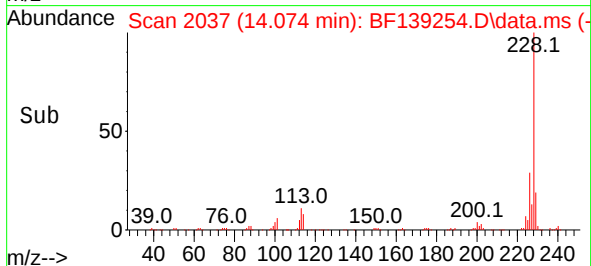
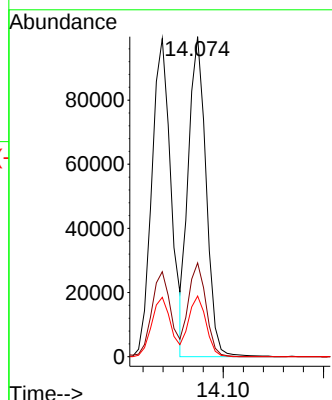
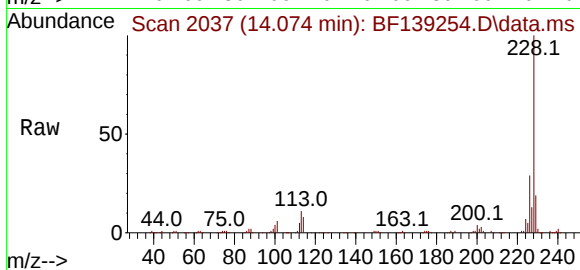
Tgt Ion:228 Resp: 122429

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 18.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.012 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

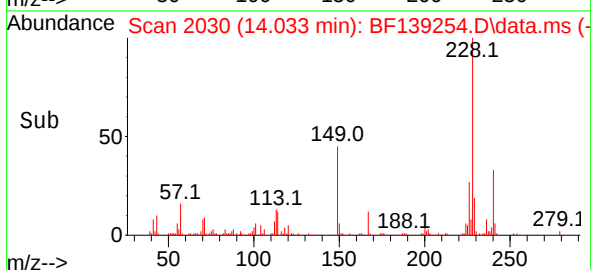
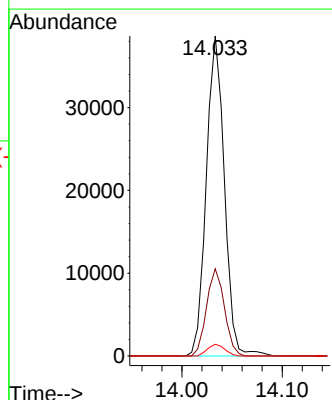
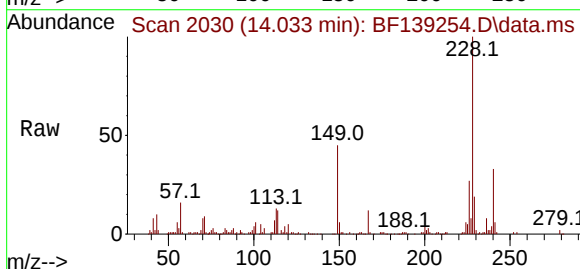
Tgt Ion:149 Resp: 48454

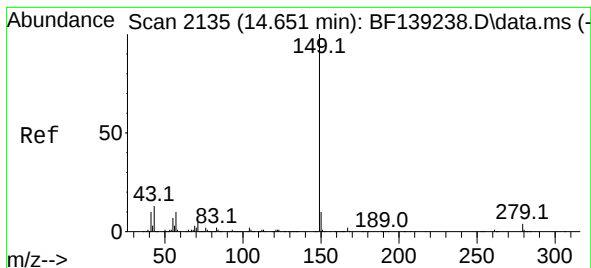
Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.6

279 3.6 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 6.984 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

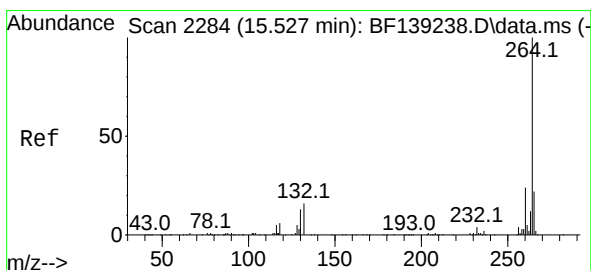
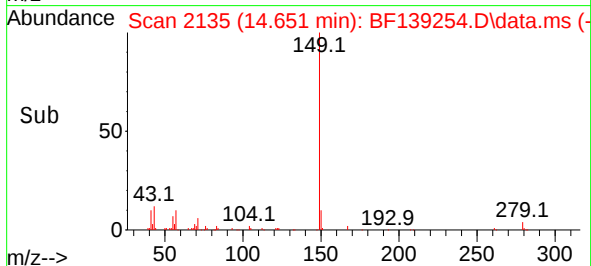
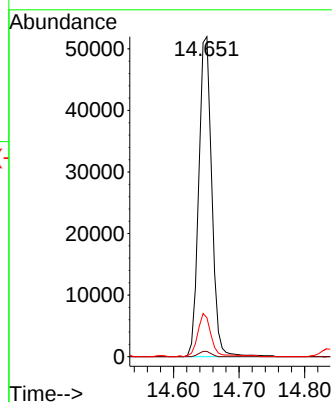
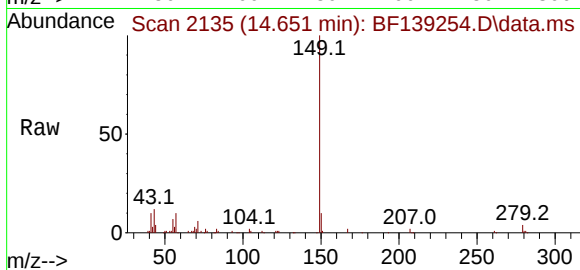
Tgt Ion:149 Resp: 71897

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 14.1 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: BF139254.D

Acq: 05 Sep 2024 11:03

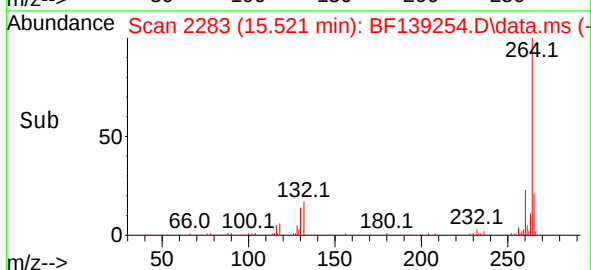
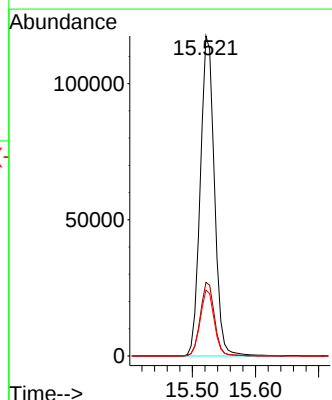
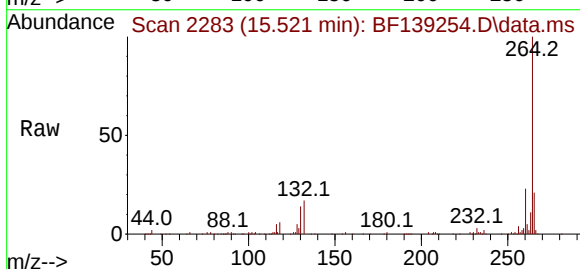
Tgt Ion:264 Resp: 182497

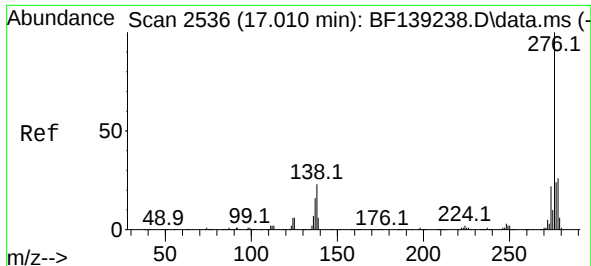
Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

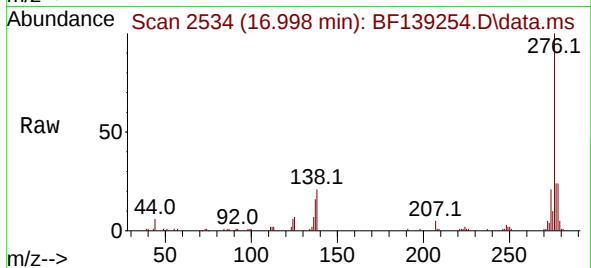
265 20.6 17.3 25.9



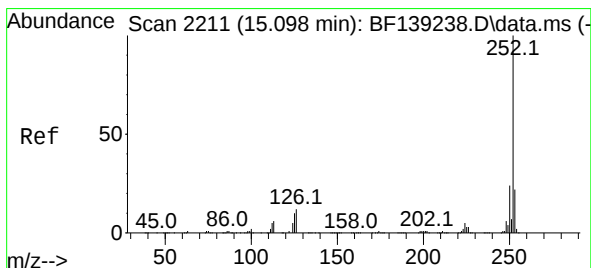
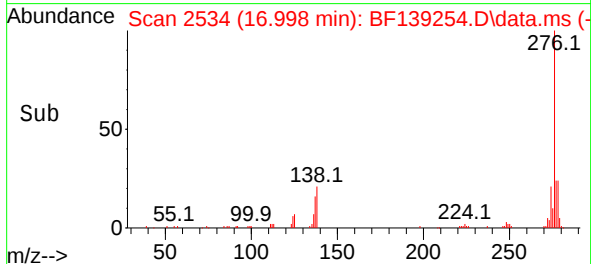
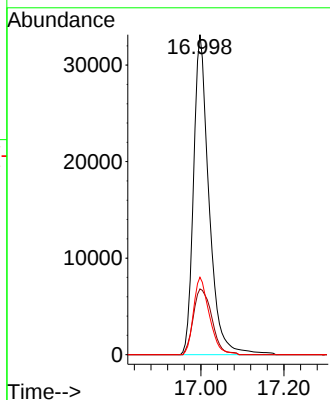


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.513 ng
RT: 16.998 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

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

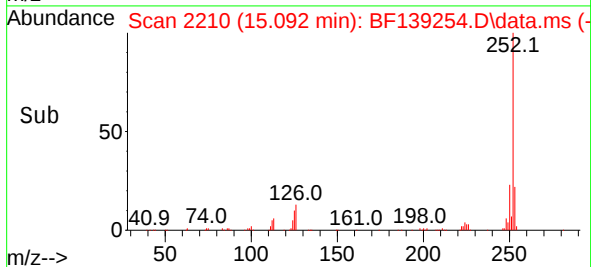
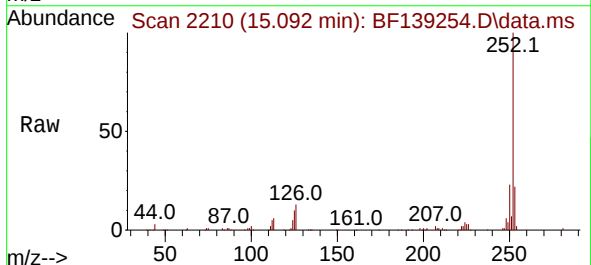
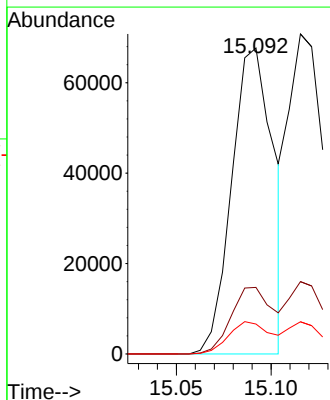


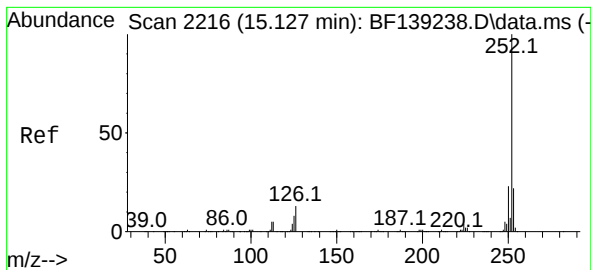
Tgt Ion:276 Resp: 85656
Ion Ratio Lower Upper
276 100
138 24.7 20.4 30.6
277 24.7 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 9.842 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:252 Resp: 103436
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 9.8 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 10.428 ng

RT: 15.116 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

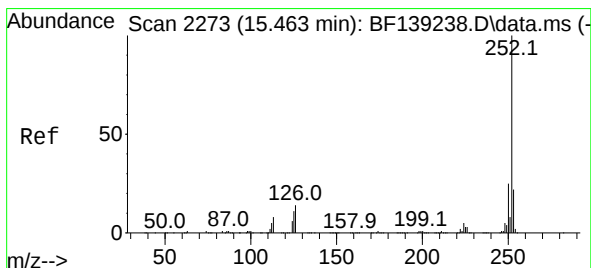
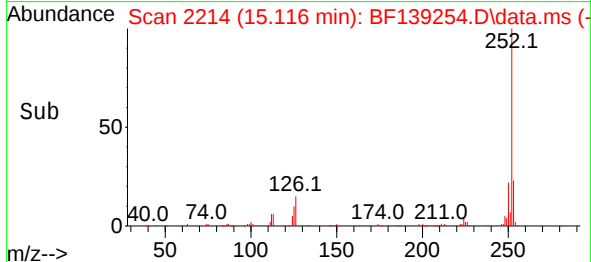
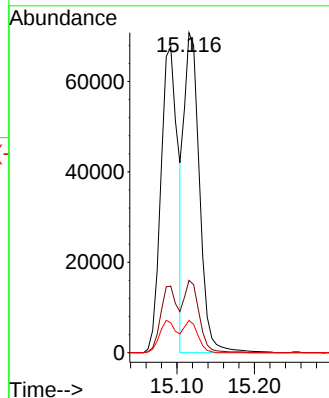
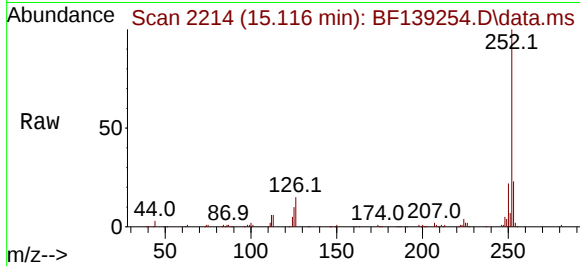
Tgt Ion:252 Resp: 98264

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 10.341 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF139254.D

Acq: 05 Sep 2024 11:03

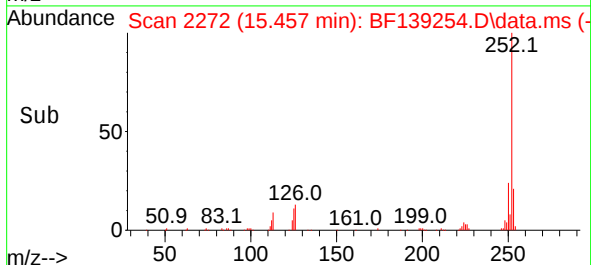
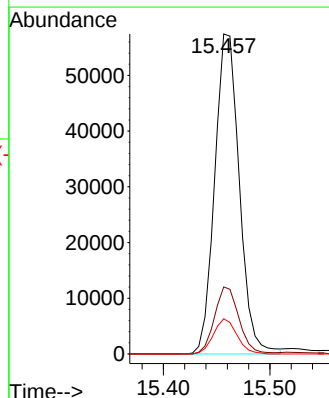
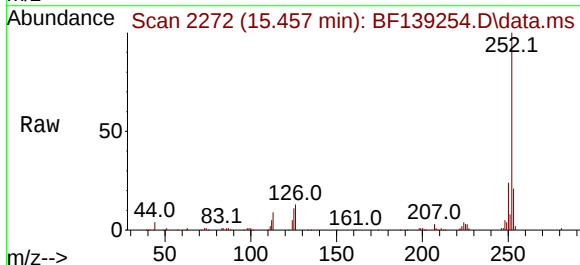
Tgt Ion:252 Resp: 92289

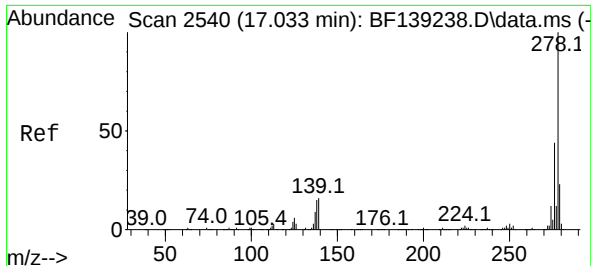
Ion Ratio Lower Upper

252 100

253 20.9 17.5 26.3

125 11.0 8.6 13.0

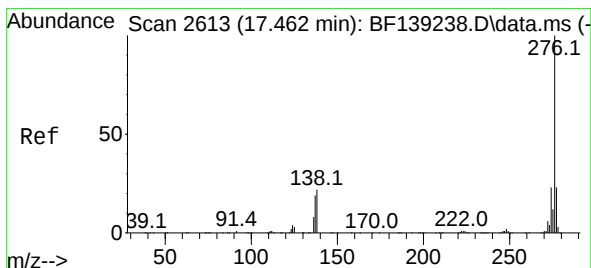
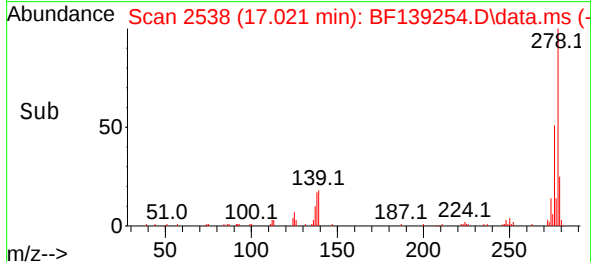
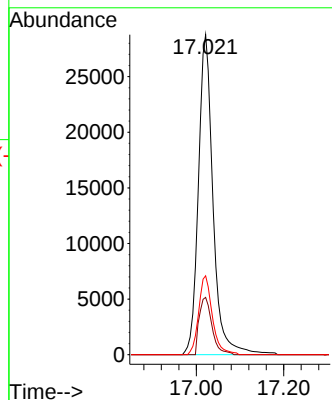
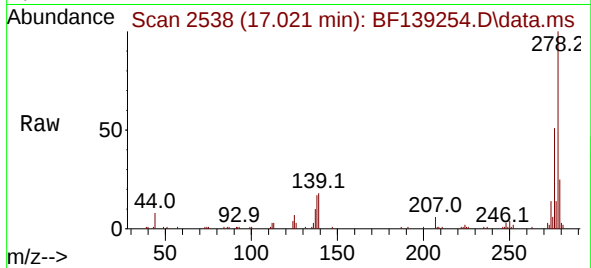




#91
Dibenzo(a,h)anthracene
Concen: 7.161 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

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

Tgt Ion:278 Resp: 67277
Ion Ratio Lower Upper
278 100
139 17.9 12.6 19.0
279 24.7 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 6.769 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139254.D
Acq: 05 Sep 2024 11:03

Tgt Ion:276 Resp: 65644
Ion Ratio Lower Upper
276 100
277 25.1 18.6 27.8
138 21.5 17.4 26.0

