

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090524\
 Data File : BF139256.D
 Acq On : 05 Sep 2024 12:02
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 05 12:30:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	108798	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	399659	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	221438	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	404335	20.000	ng	0.00
76) Chrysene-d12	14.051	240	200536	20.000	ng	0.00
86) Perylene-d12	15.527	264	184504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	713624	109.726	ng	0.00
7) Phenol-d6	6.510	99	946736	109.042	ng	0.00
23) Nitrobenzene-d5	7.451	82	619542	80.644	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	212710	111.241	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1126757	78.546	ng	0.00
79) Terphenyl-d14	12.998	244	995756	80.172	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	30894	10.201	ng	99
3) Pyridine	3.451	79	66611	9.111	ng	99
4) n-Nitrosodimethylamine	3.369	42	45291	9.540	ng	96
6) Aniline	6.551	93	96043	12.029	ng	98
8) 2-Chlorophenol	6.669	128	69797	10.355	ng	87
9) Benzaldehyde	6.439	77	62193	11.834	ng	99
10) Phenol	6.522	94	94576	10.327	ng	# 78
11) bis(2-Chloroethyl)ether	6.622	93	68218	10.398	ng	100
12) 1,3-Dichlorobenzene	6.828	146	75791	9.934	ng	99
13) 1,4-Dichlorobenzene	6.904	146	75503	9.888	ng	98
14) 1,2-Dichlorobenzene	7.057	146	72303	10.152	ng	99
15) Benzyl Alcohol	7.022	79	73418	11.595	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	133356	10.677	ng	100
17) 2-Methylphenol	7.134	107	53476	9.713	ng	98
18) Hexachloroethane	7.398	117	27200	9.973	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	52774	10.554	ng	99
20) 3+4-Methylphenols	7.287	107	72283	10.417	ng	# 85
22) Acetophenone	7.292	105	99935	10.496	ng	95
24) Nitrobenzene	7.469	77	78151	9.584	ng	98
25) Isophorone	7.704	82	134639	10.251	ng	100
26) 2-Nitrophenol	7.781	139	30960	9.667	ng	97
27) 2,4-Dimethylphenol	7.816	122	44244	9.687	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	80126	10.239	ng	99
29) 2,4-Dichlorophenol	8.022	162	54516	9.969	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	62857	10.064	ng	99
31) Naphthalene	8.192	128	207751	10.265	ng	99
32) Benzoic acid	7.886	122	46482	11.173	ng	98
33) 4-Chloroaniline	8.239	127	76358	10.896	ng	98
34) Hexachlorobutadiene	8.310	225	38218	9.656	ng	99
35) Caprolactam	8.569	113	15332	9.056	ng	92
36) 4-Chloro-3-methylphenol	8.710	107	60497	10.151	ng	98
37) 2-Methylnaphthalene	8.881	142	129770	10.248	ng	99
38) 1-Methylnaphthalene	8.981	142	122185	9.811	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	65313	10.425	ng	97
41) Hexachlorocyclopentadiene	9.033	237	20948	10.404	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	38223	9.325	ng	99

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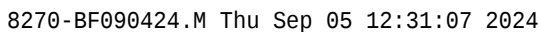
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

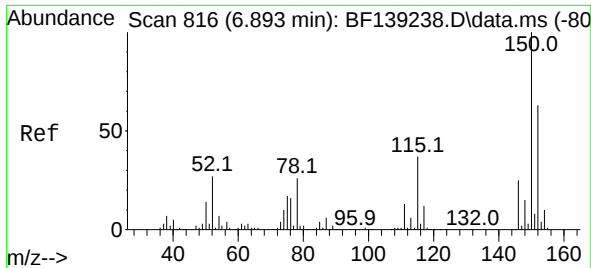
Quant Time: Sep 05 12:30:54 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	41942	9.764	ng	97
46) 1,1'-Biphenyl	9.345	154	171823	10.473	ng	100
47) 2-Chloronaphthalene	9.369	162	122443	9.884	ng	99
48) 2-Nitroaniline	9.463	65	40528	9.498	ng	99
49) Acenaphthylene	9.786	152	204657	10.969	ng	99
50) Dimethylphthalate	9.639	163	138395	10.312	ng	99
51) 2,6-Dinitrotoluene	9.704	165	28137	9.241	ng	98
52) Acenaphthene	9.957	154	117888	9.526	ng	96
53) 3-Nitroaniline	9.869	138	32914	10.146	ng	100
54) 2,4-Dinitrophenol	9.975	184	7176	11.601	ng	# 60
55) Dibenzofuran	10.128	168	182501	10.286	ng	100
56) 4-Nitrophenol	10.022	139	20128	8.406	ng	98
57) 2,4-Dinitrotoluene	10.104	165	36783	9.491	ng	95
58) Fluorene	10.469	166	141934	10.318	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	34776	10.285	ng	97
60) Diethylphthalate	10.345	149	133935	10.140	ng	98
61) 4-Chlorophenyl-phenyle...	10.469	204	68903	10.386	ng	97
62) 4-Nitroaniline	10.475	138	28346	9.179	ng	95
63) Azobenzene	10.627	77	138894	9.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	15798	8.456	ng	98
66) n-Nitrosodiphenylamine	10.580	169	122559	10.413	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	38827	9.897	ng	96
68) Hexachlorobenzene	11.016	284	44664	9.945	ng	99
69) Atrazine	11.104	200	33015	12.158	ng	98
70) Pentachlorophenol	11.210	266	34959	13.476	ng	98
71) Phenanthrene	11.433	178	199055	10.538	ng	99
72) Anthracene	11.486	178	196737	10.662	ng	100
73) Carbazole	11.639	167	172584	10.007	ng	99
74) Di-n-butylphthalate	11.974	149	178288	10.097	ng	99
75) Fluoranthene	12.621	202	192390	10.160	ng	99
77) Benzidine	12.745	184	49965	12.374	ng	96
78) Pyrene	12.851	202	198094	10.226	ng	99
80) Butylbenzylphthalate	13.474	149	42678	9.359	ng	98
81) Benzo(a)anthracene	14.039	228	131887	10.300	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	35714	10.502	ng	99
83) Chrysene	14.074	228	121010	10.125	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	48131	8.992	ng	97
85) Di-n-octyl phthalate	14.651	149	75218	7.340	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	89366	7.753	ng	99
88) Benzo(b)fluoranthene	15.092	252	100802	9.487	ng	99
89) Benzo(k)fluoranthene	15.121	252	103287	10.841	ng	100
90) Benzo(a)pyrene	15.462	252	92488	10.251	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	69950	7.364	ng	99
92) Benzo(g,h,i)perylene	17.445	276	70141	7.154	ng	98

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

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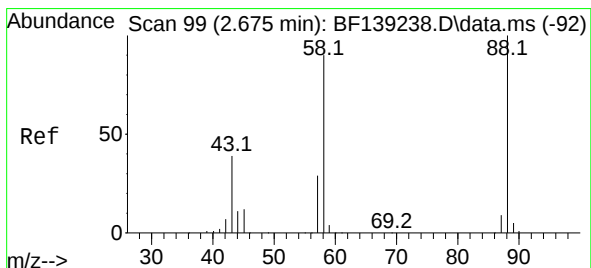
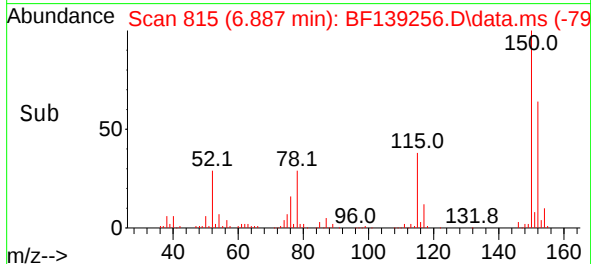
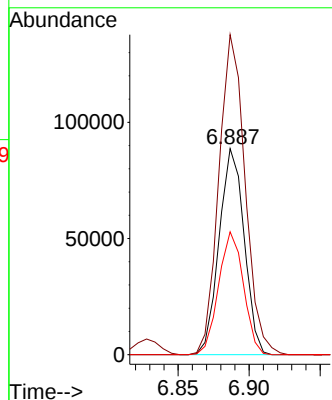
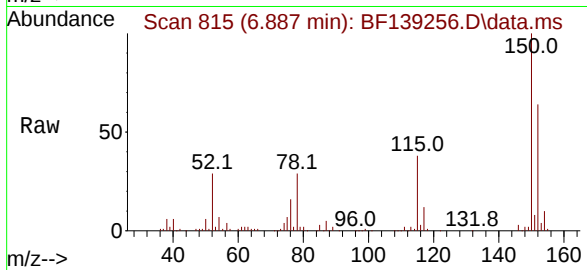




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

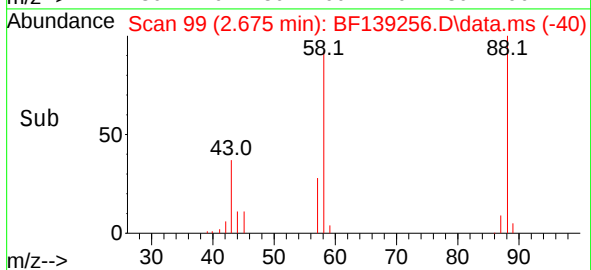
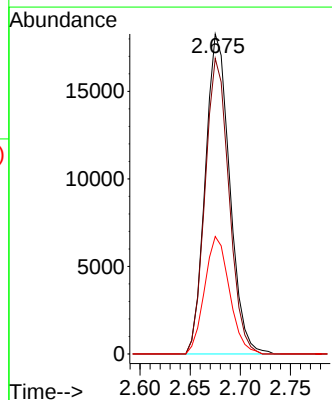
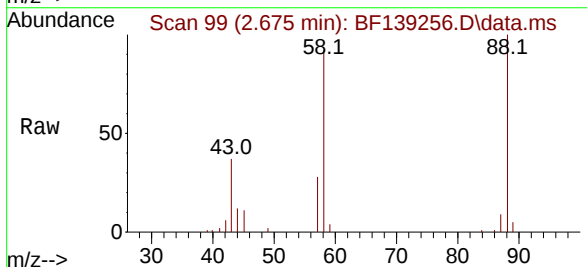
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

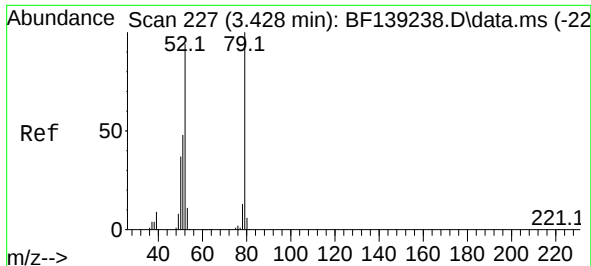
Tgt Ion:152 Resp: 108798
 Ion Ratio Lower Upper
 152 100
 150 155.2 127.0 190.4
 115 59.6 46.9 70.3



#2
 1,4-Dioxane
 Concen: 10.201 ng
 RT: 2.675 min Scan# 99
 Delta R.T. -0.000 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

Tgt Ion: 88 Resp: 30894
 Ion Ratio Lower Upper
 88 100
 58 90.5 72.5 108.7
 43 37.5 31.4 47.2





#3

Pyridine

Concen: 9.111 ng

RT: 3.451 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

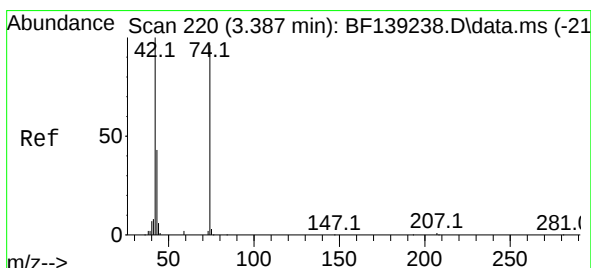
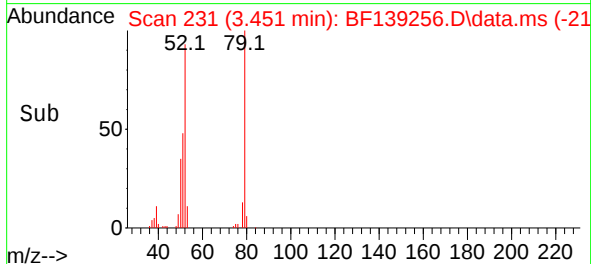
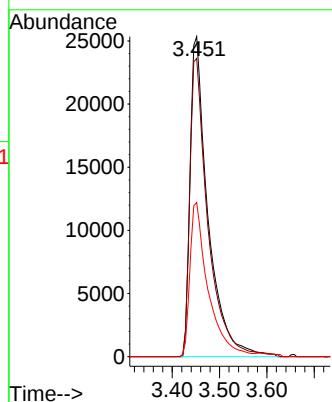
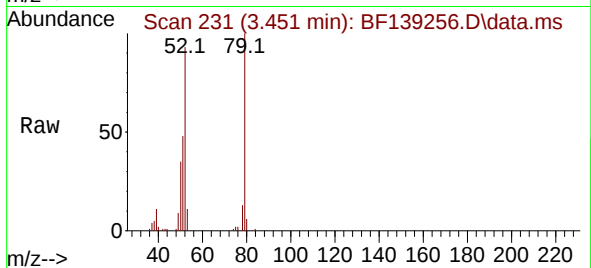
Tgt Ion: 79 Resp: 66611

Ion Ratio Lower Upper

79 100

52 93.2 75.3 112.9

51 48.2 38.2 57.2



#4

n-Nitrosodimethylamine

Concen: 9.540 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.018 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

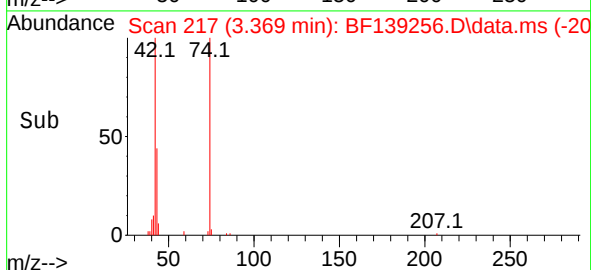
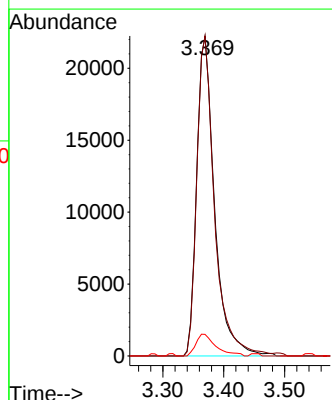
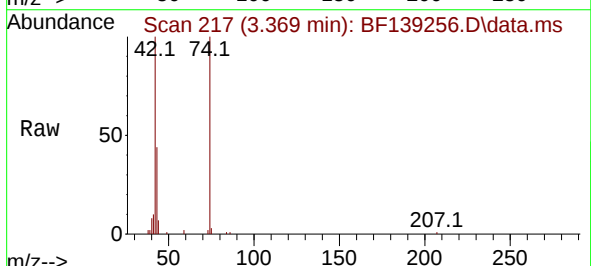
Tgt Ion: 42 Resp: 45291

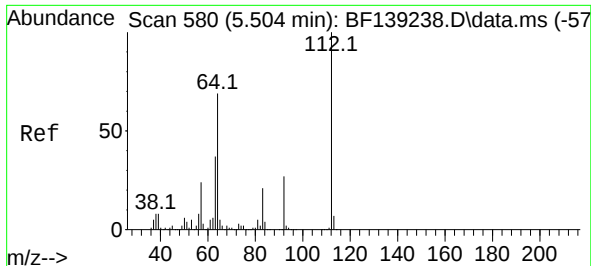
Ion Ratio Lower Upper

42 100

74 100.2 77.2 115.8

44 6.8 5.1 7.7

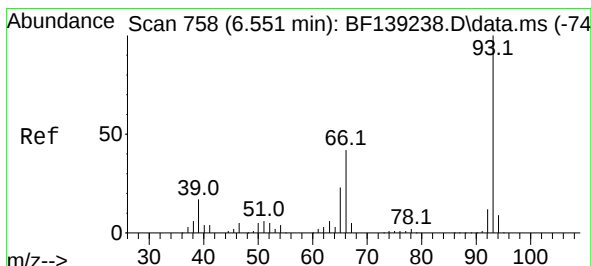
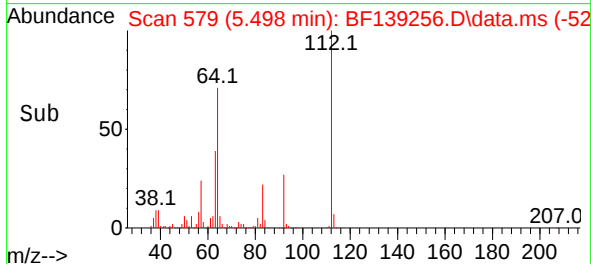
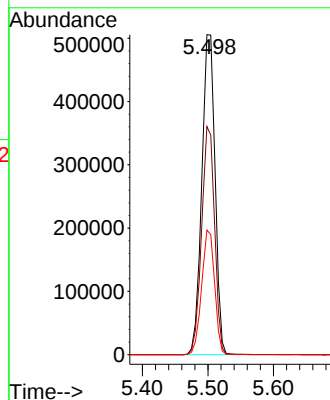
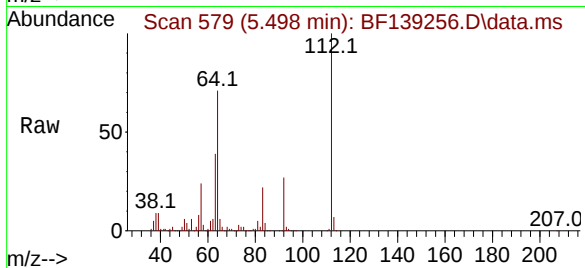




#5
2-Fluorophenol
Concen: 109.726 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

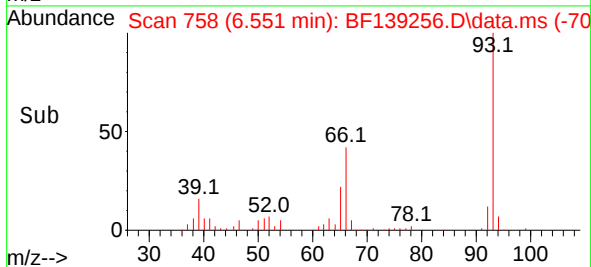
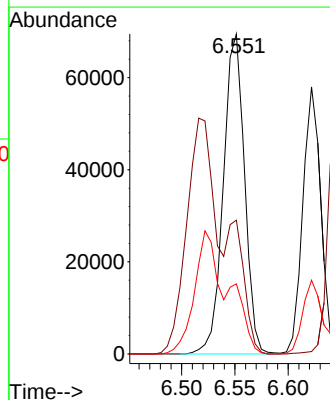
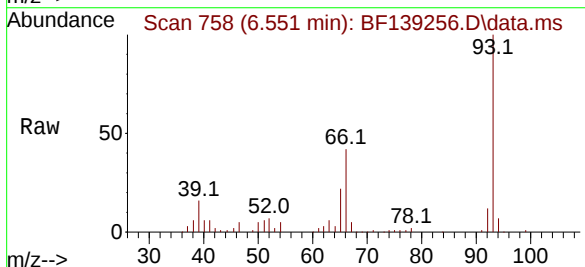
Instrument :
BNA_F
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LOQ-SOIL-02-QT2-2024

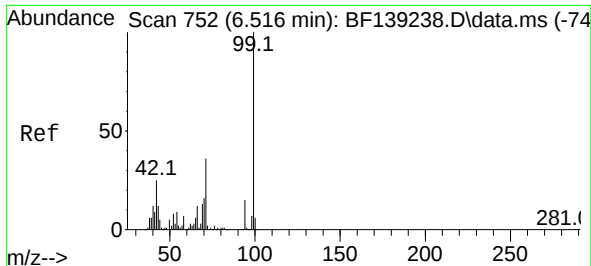
Tgt Ion:112 Resp: 713624
Ion Ratio Lower Upper
112 100
64 71.3 55.0 82.4
63 38.9 29.9 44.9



#6
Aniline
Concen: 12.029 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.000 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion: 93 Resp: 96043
Ion Ratio Lower Upper
93 100
66 41.8 34.4 51.6
65 21.9 18.2 27.4





#7

Phenol-d6

Concen: 109.042 ng

RT: 6.510 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

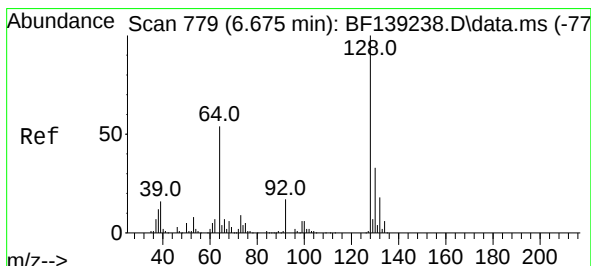
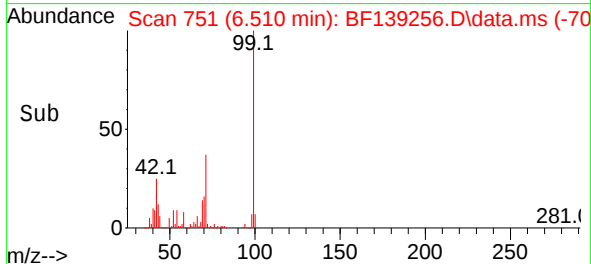
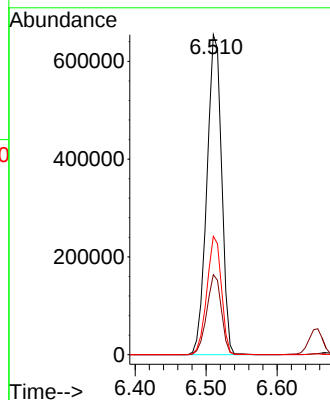
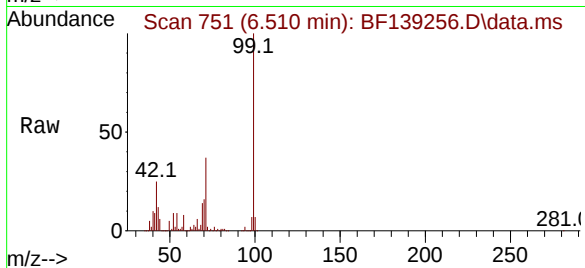
Tgt Ion: 99 Resp: 946736

Ion Ratio Lower Upper

99 100

42 25.0 19.8 29.6

71 37.0 28.8 43.2



#8

2-Chlorophenol

Concen: 10.355 ng

RT: 6.669 min Scan# 778

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

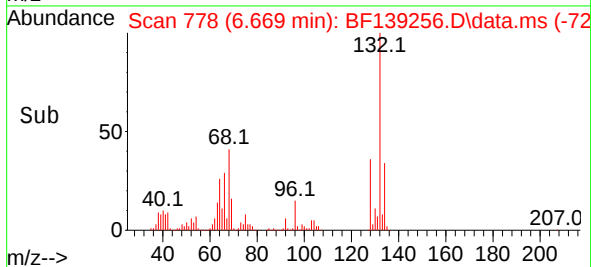
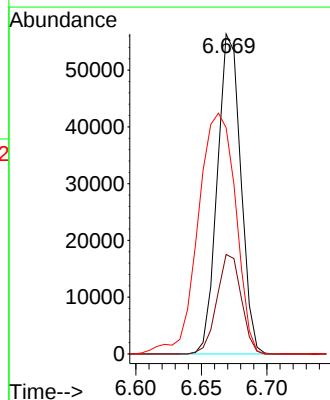
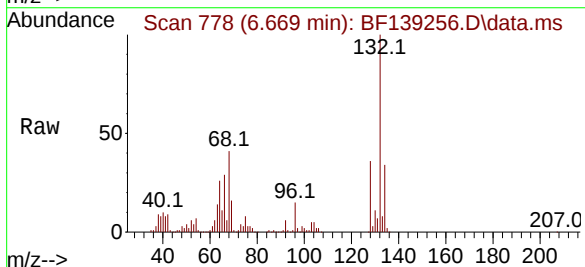
Tgt Ion:128 Resp: 69797

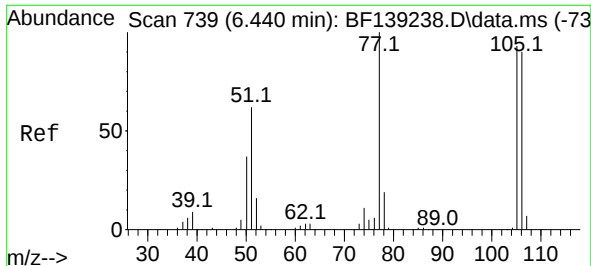
Ion Ratio Lower Upper

128 100

130 31.1 12.7 52.7

64 70.7 36.6 76.6





#9

Benzaldehyde

Concen: 11.834 ng

RT: 6.439 min Scan# 74

Delta R.T. -0.001 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

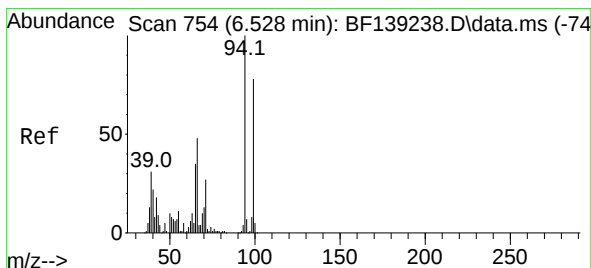
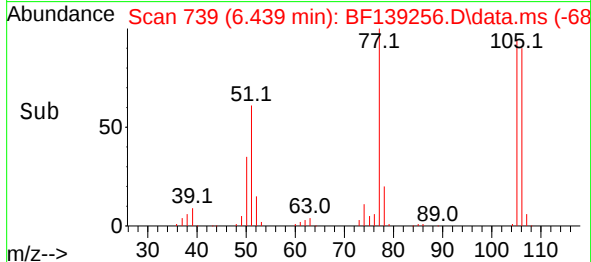
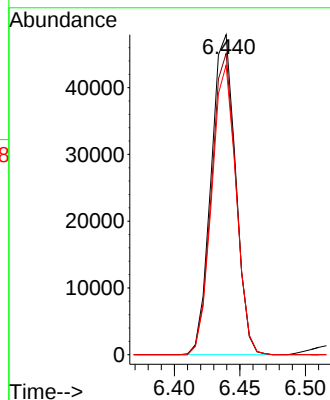
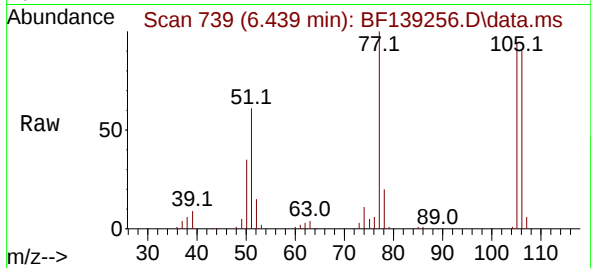
Tgt Ion: 77 Resp: 62193

Ion Ratio Lower Upper

77 100

105 94.2 72.9 112.9

106 90.5 69.6 109.6



#10

Phenol

Concen: 10.327 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

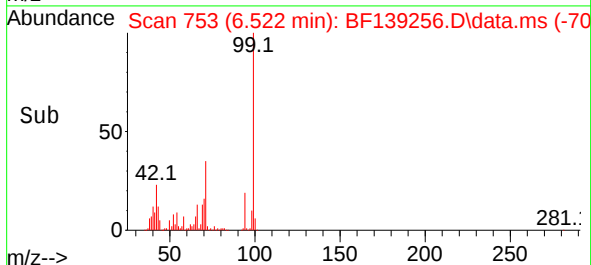
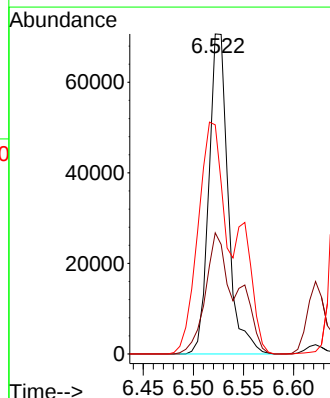
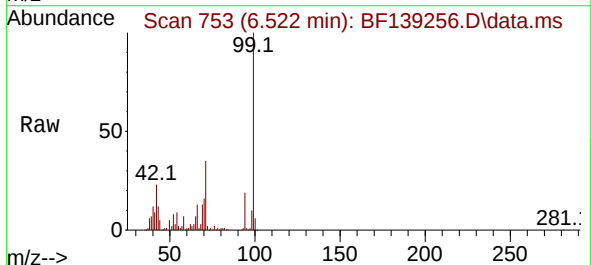
Tgt Ion: 94 Resp: 94576

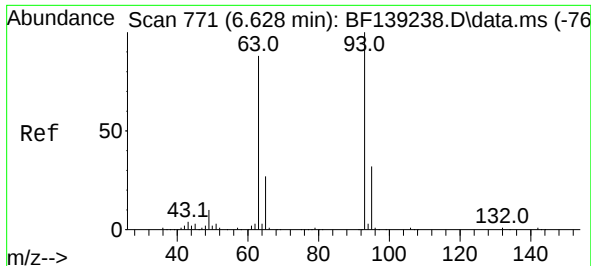
Ion Ratio Lower Upper

94 100

65 37.8 14.7 54.7

66 71.6 28.5 68.5#





#11

bis(2-Chloroethyl)ether

Concen: 10.398 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

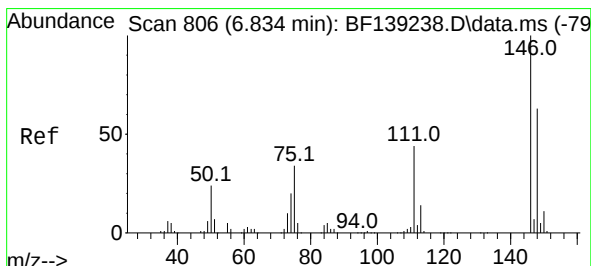
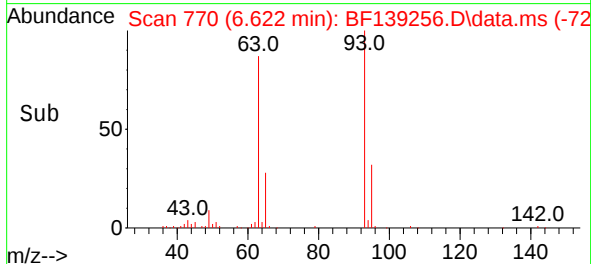
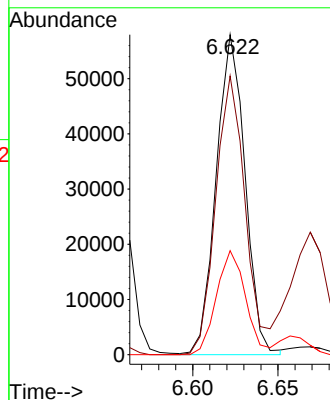
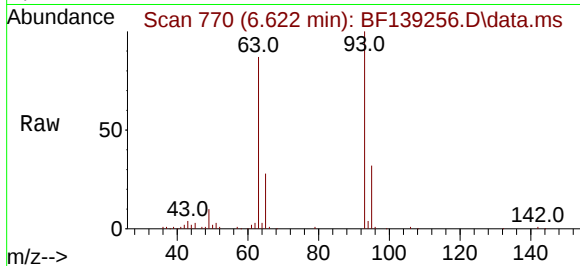
Tgt Ion: 93 Resp: 68218

Ion Ratio Lower Upper

93 100

63 87.1 67.1 107.1

95 32.5 12.2 52.2



#12

1,3-Dichlorobenzene

Concen: 9.934 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

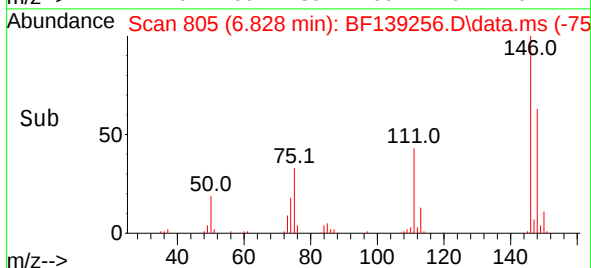
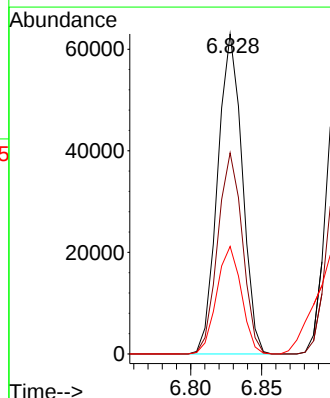
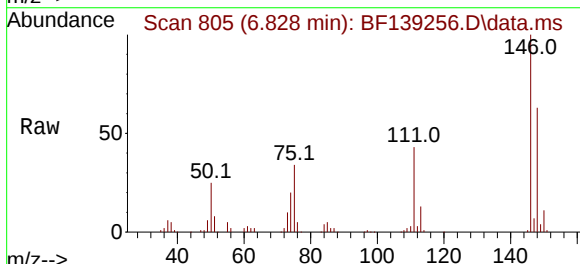
Tgt Ion:146 Resp: 75791

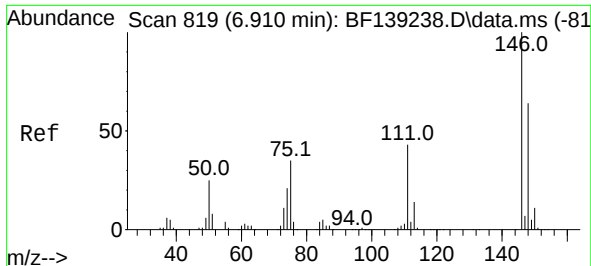
Ion Ratio Lower Upper

146 100

148 62.9 50.8 76.2

75 33.6 27.3 40.9

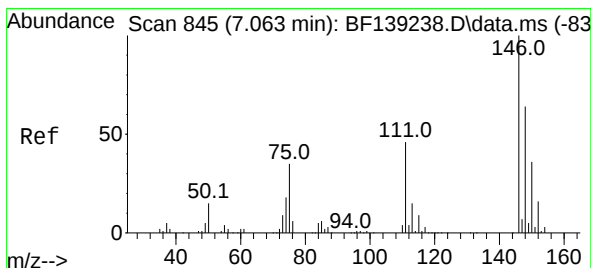
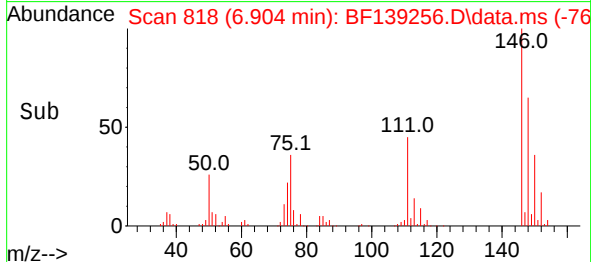
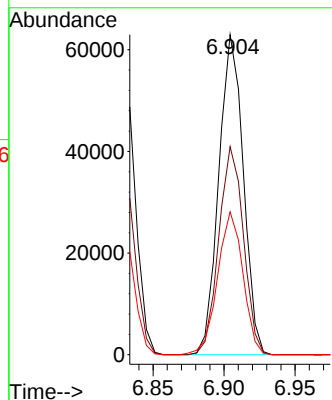
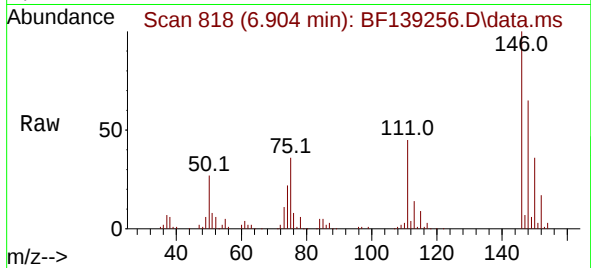




#13
1,4-Dichlorobenzene
Concen: 9.888 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

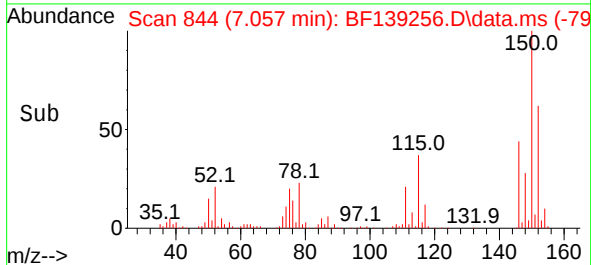
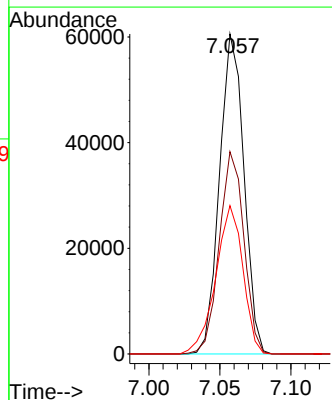
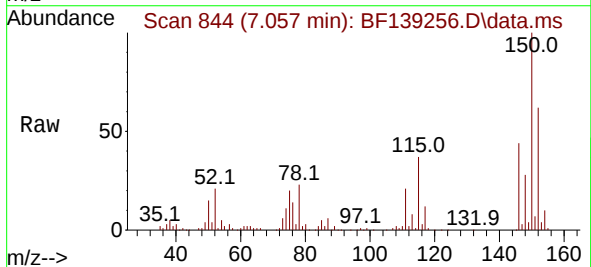
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

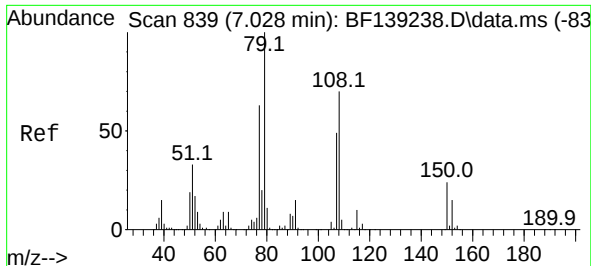
Tgt Ion:146 Resp: 75503
Ion Ratio Lower Upper
146 100
148 65.0 51.2 76.8
111 44.6 34.6 51.8



#14
1,2-Dichlorobenzene
Concen: 10.152 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:146 Resp: 72303
Ion Ratio Lower Upper
146 100
148 63.2 50.9 76.3
111 46.3 36.6 55.0

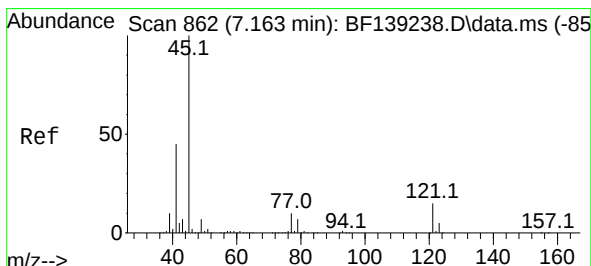
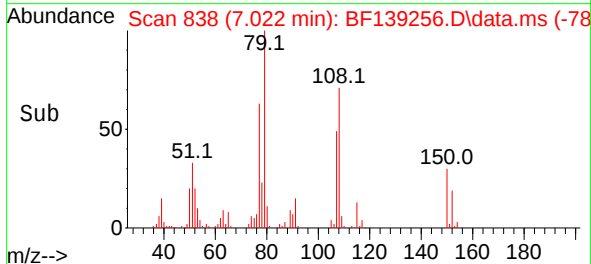
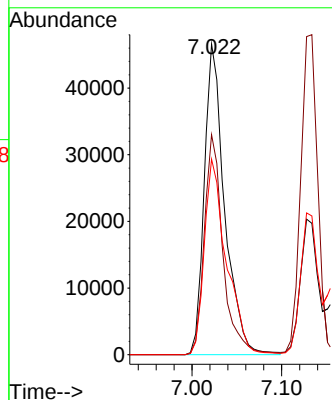
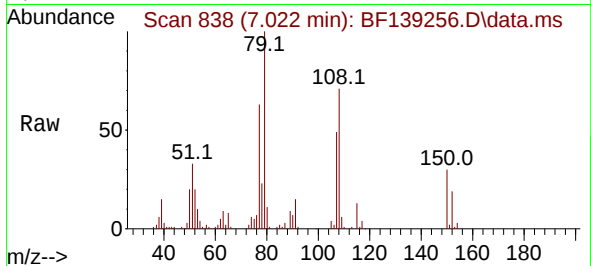




#15
Benzyl Alcohol
Concen: 11.595 ng
RT: 7.022 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

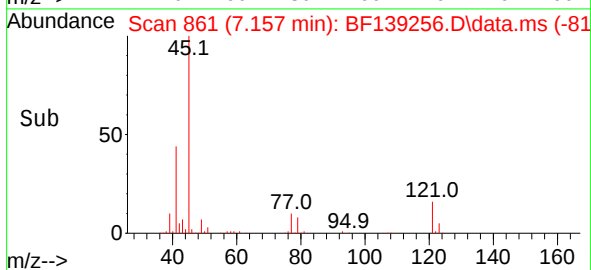
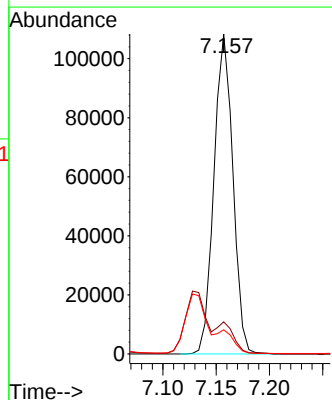
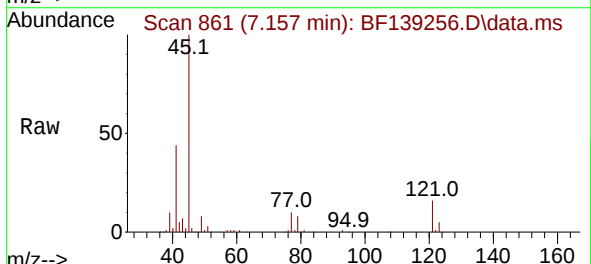
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

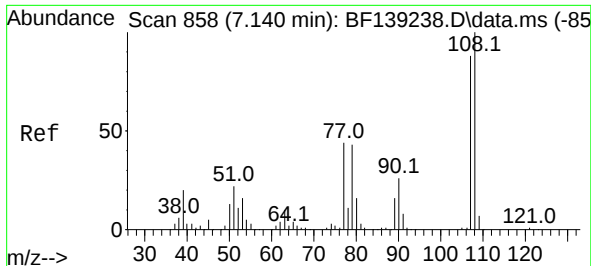
Tgt Ion: 79 Resp: 73418
Ion Ratio Lower Upper
79 100
108 70.8 56.1 84.1
77 62.9 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.677 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion: 45 Resp: 133356
Ion Ratio Lower Upper
45 100
77 10.0 0.0 30.0
79 7.5 0.0 27.6

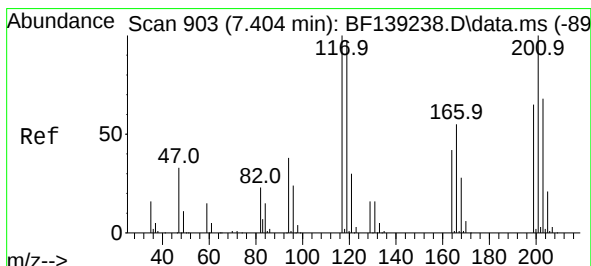
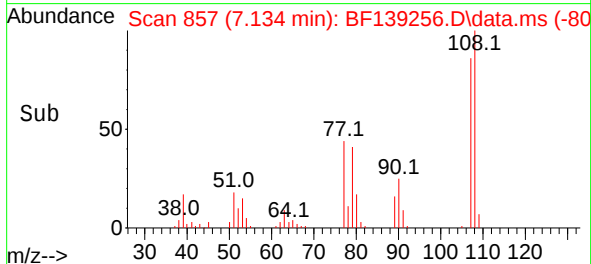
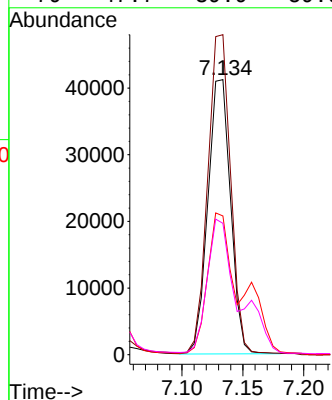
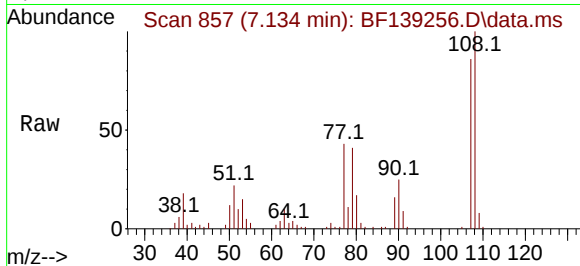




#17
2-Methylphenol
Concen: 9.713 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

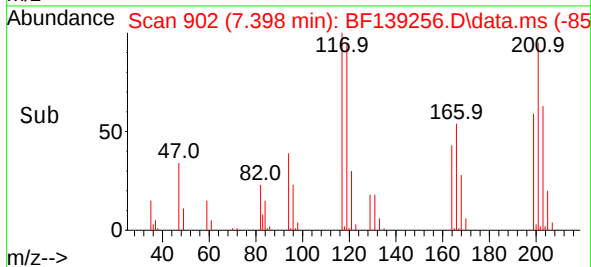
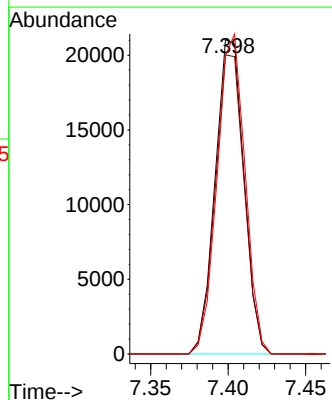
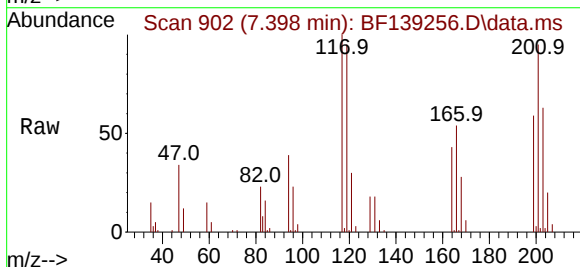
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

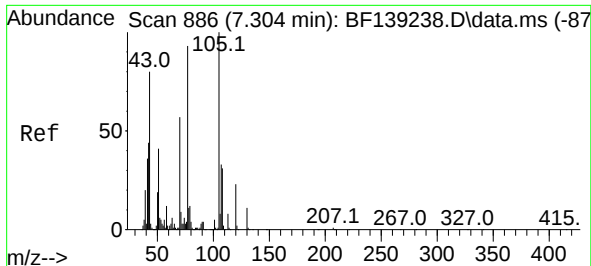
Tgt Ion:	107	Resp:	53476
Ion	Ratio	Lower	Upper
107	100		
108	116.3	91.4	137.2
77	50.4	40.1	60.1
79	47.7	39.9	59.9



#18
Hexachloroethane
Concen: 9.973 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:	117	Resp:	27200
Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.4	116.2
201	94.9	80.0	120.0





#19

n-Nitroso-di-n-propylamine

Concen: 10.554 ng

RT: 7.292 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 52774

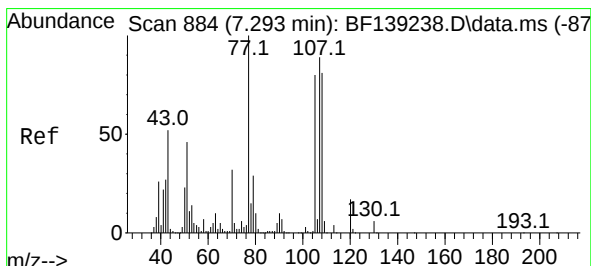
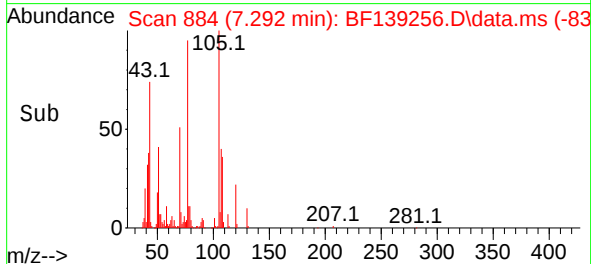
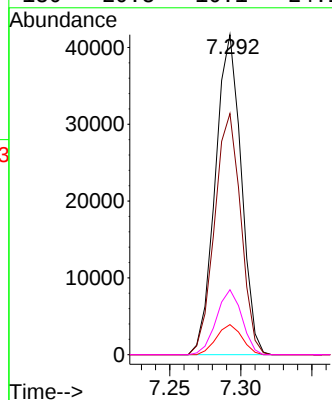
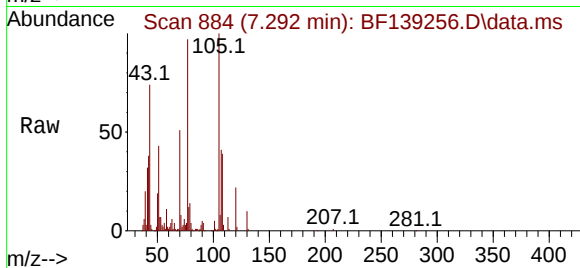
Ion Ratio Lower Upper

70 100

42 75.4 61.0 91.6

101 9.4 7.2 10.8

130 20.3 16.1 24.1



#20

3+4-Methylphenols

Concen: 10.417 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Tgt Ion:107 Resp: 72283

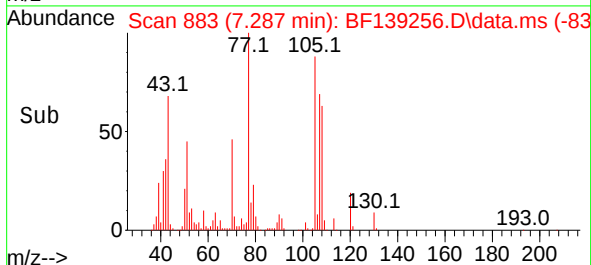
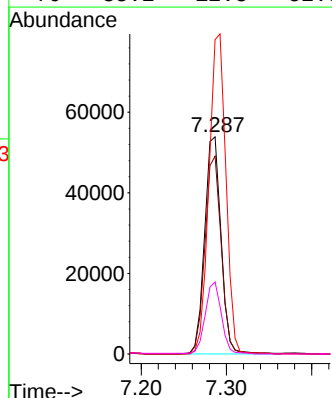
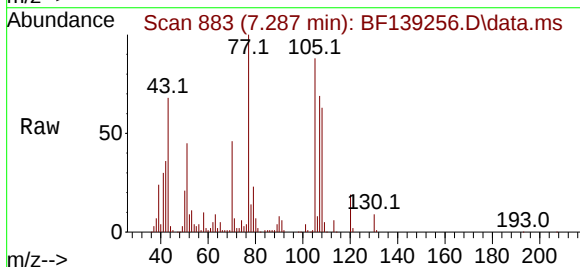
Ion Ratio Lower Upper

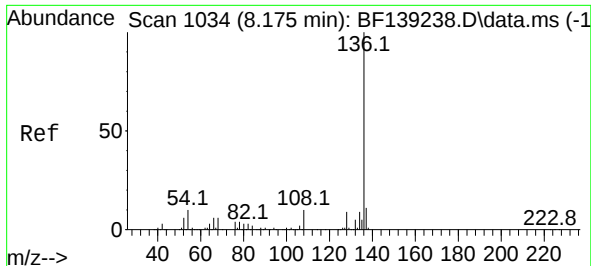
107 100

108 91.1 70.4 110.4

77 144.8 92.2 132.2#

79 33.2 12.8 52.8

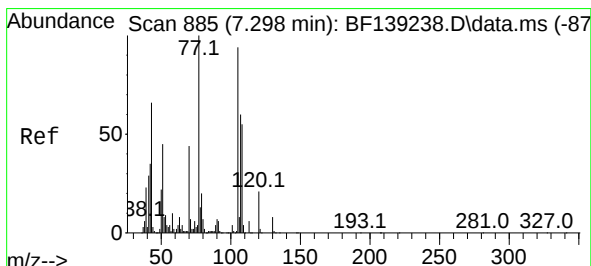
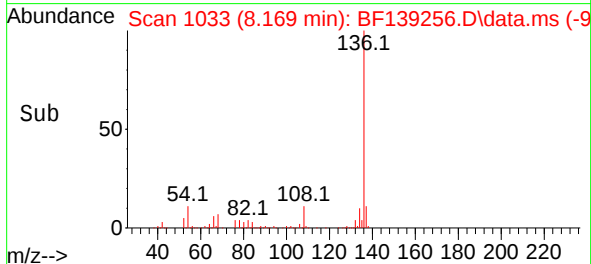
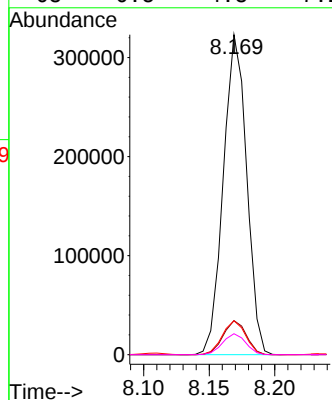
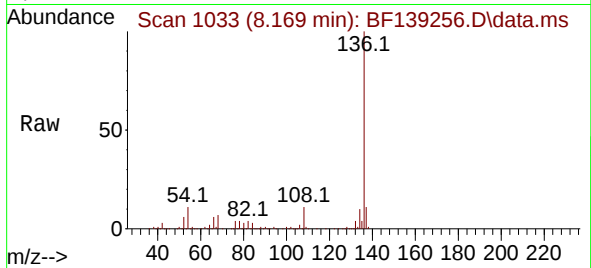




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

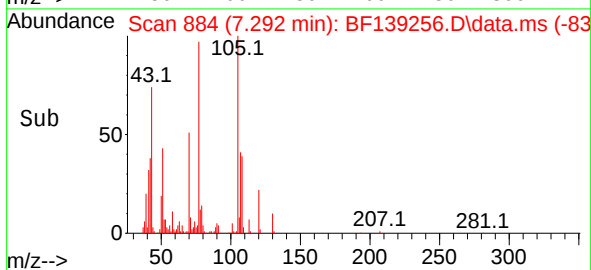
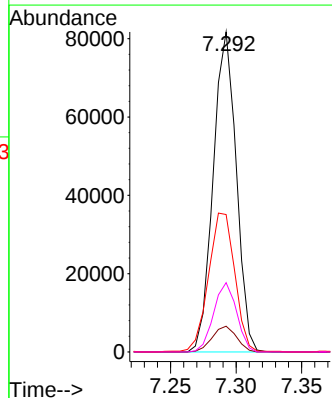
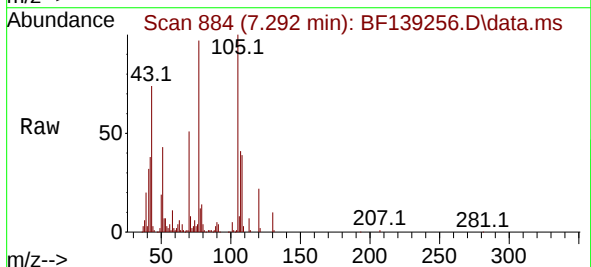
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

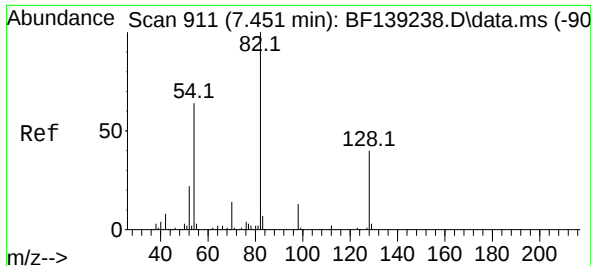
Tgt Ion:136 Resp: 399659
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.6 8.4 12.6
68 6.5 4.8 7.2



#22
Acetophenone
Concen: 10.496 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:105 Resp: 99935
Ion Ratio Lower Upper
105 100
71 8.1 6.2 9.2
51 43.0 38.2 57.2
120 21.7 17.7 26.5





#23

Nitrobenzene-d5

Concen: 80.644 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

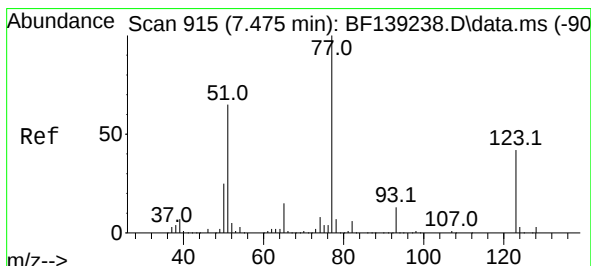
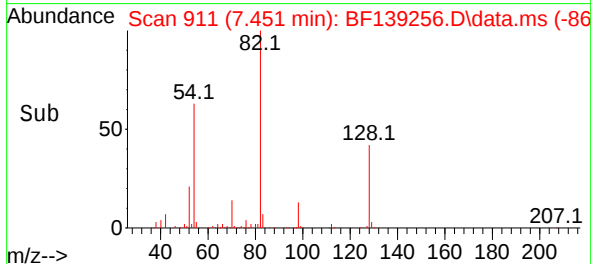
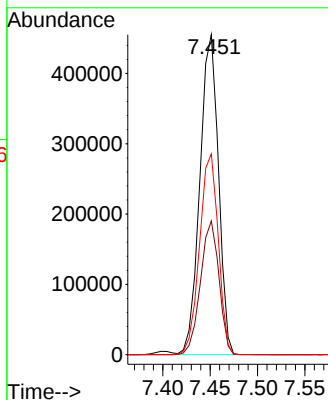
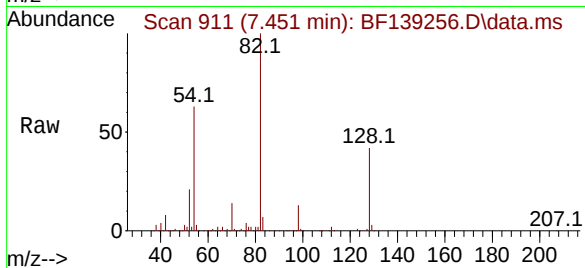
Tgt Ion: 82 Resp: 619542

Ion Ratio Lower Upper

82 100

128 41.8 32.3 48.5

54 62.8 51.2 76.8



#24

Nitrobenzene

Concen: 9.584 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

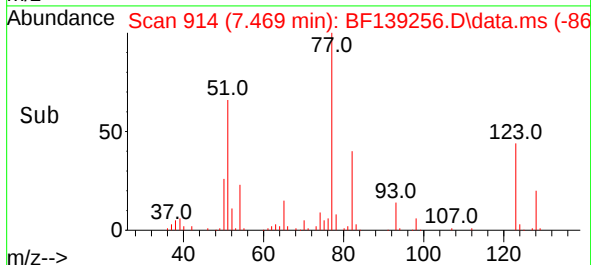
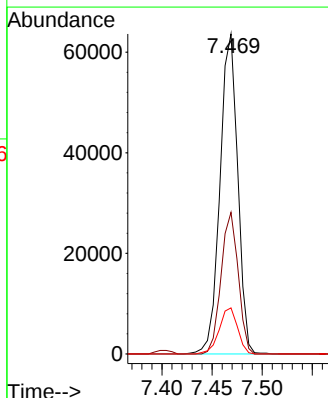
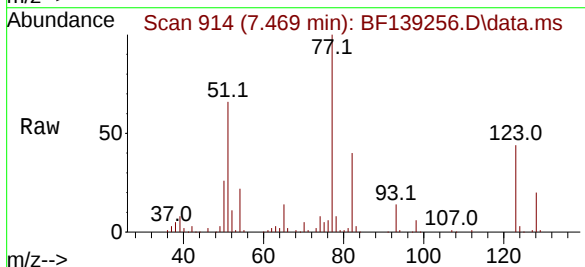
Tgt Ion: 77 Resp: 78151

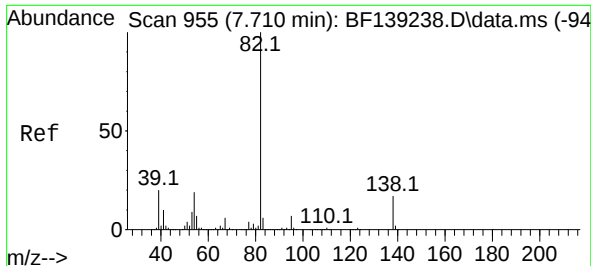
Ion Ratio Lower Upper

77 100

123 44.2 34.0 51.0

65 14.4 12.1 18.1

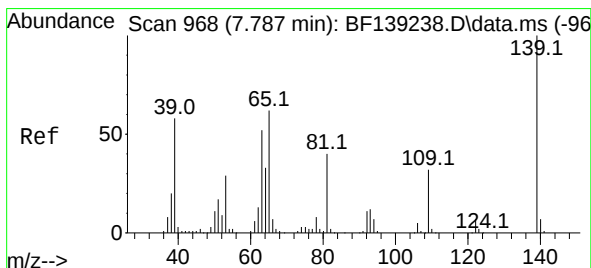
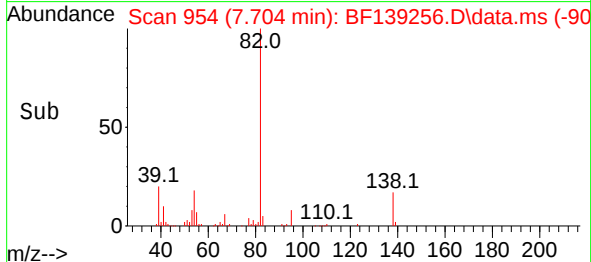
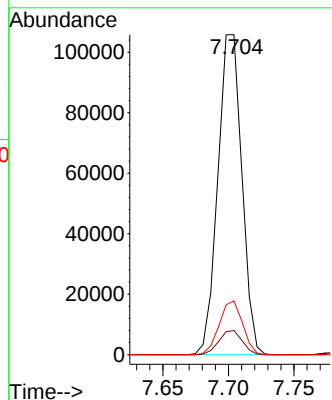
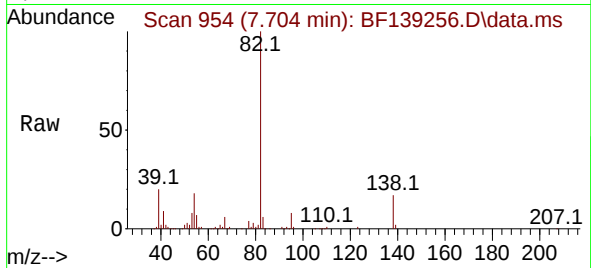




#25
Isophorone
Concen: 10.251 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

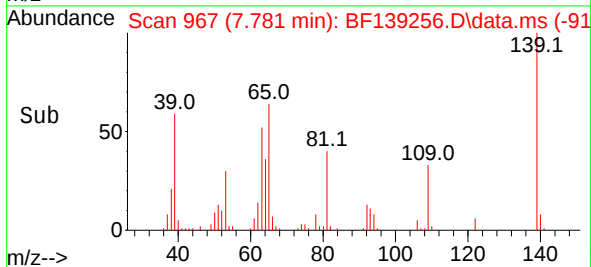
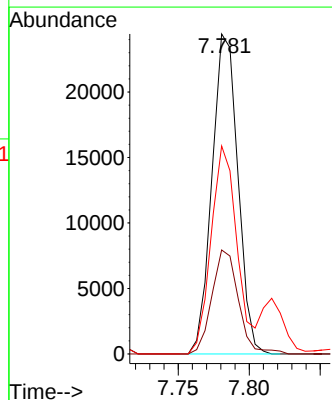
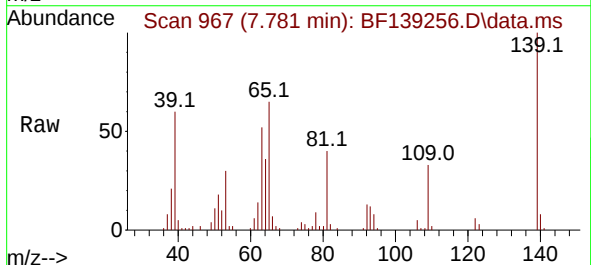
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

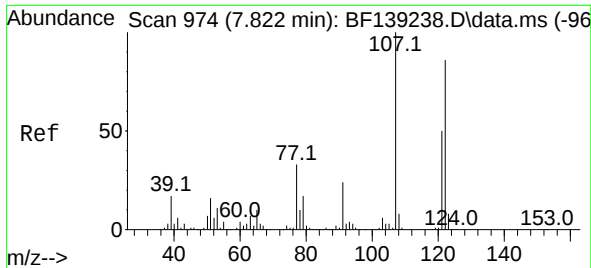
Tgt Ion: 82 Resp: 134639
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 16.8 13.4 20.0



#26
2-Nitrophenol
Concen: 9.667 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:139 Resp: 30960
Ion Ratio Lower Upper
139 100
109 32.5 25.4 38.2
65 65.0 49.4 74.2

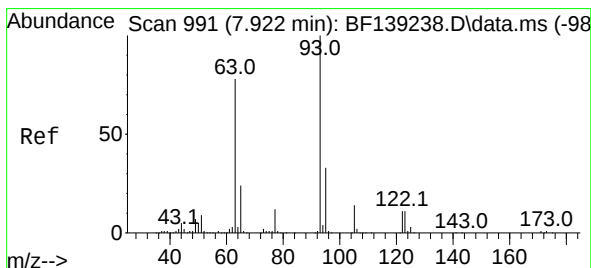
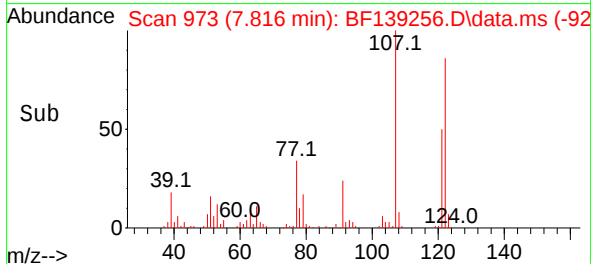
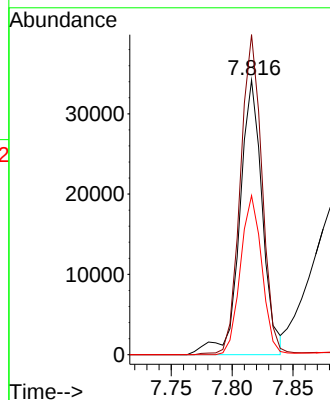
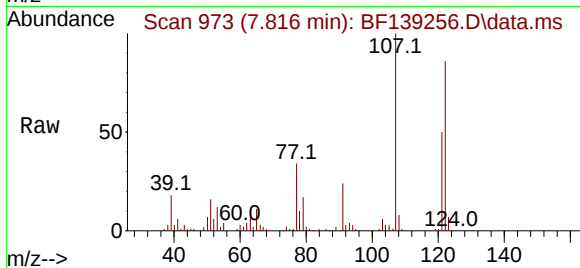




#27
2,4-Dimethylphenol
Concen: 9.687 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

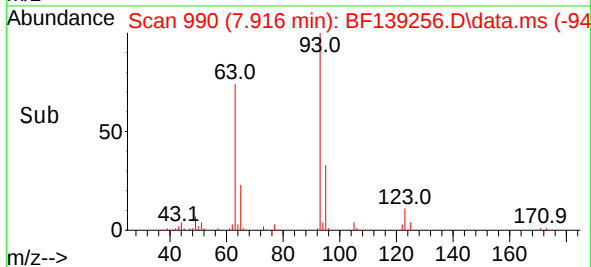
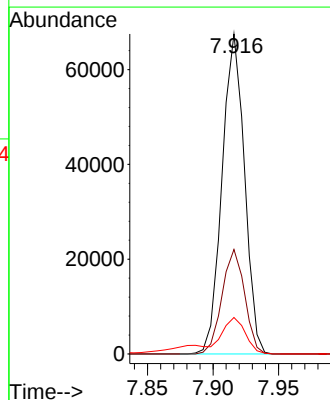
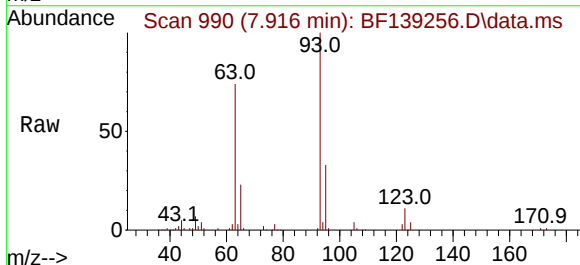
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

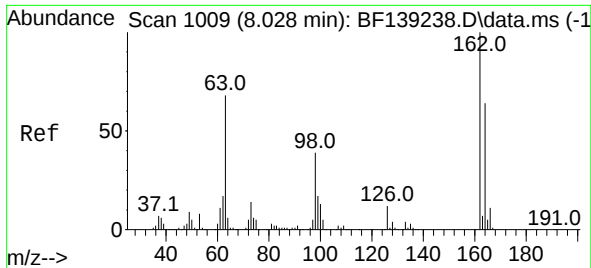
Tgt Ion:122 Resp: 44244
Ion Ratio Lower Upper
122 100
107 116.6 93.4 140.2
121 58.0 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 10.239 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion: 93 Resp: 80126
Ion Ratio Lower Upper
93 100
95 32.7 26.6 40.0
123 11.4 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 9.969 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

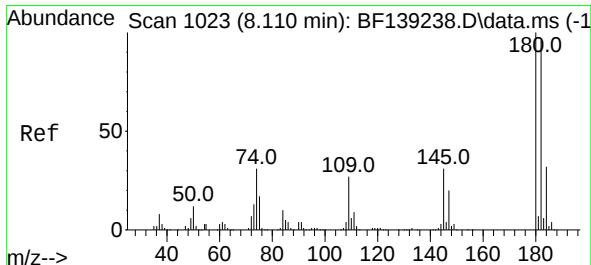
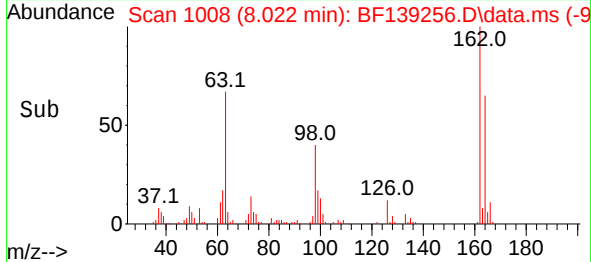
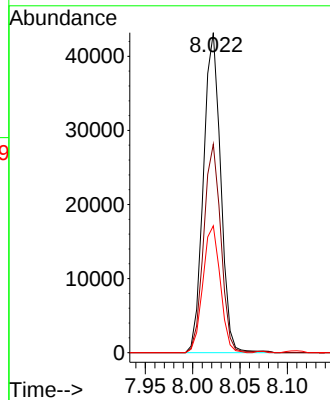
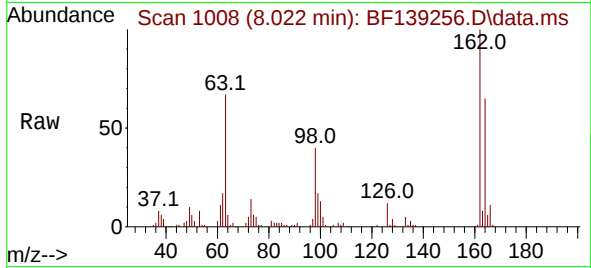
Tgt Ion:162 Resp: 54516

Ion Ratio Lower Upper

162 100

164 65.1 43.6 83.6

98 39.7 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 10.064 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

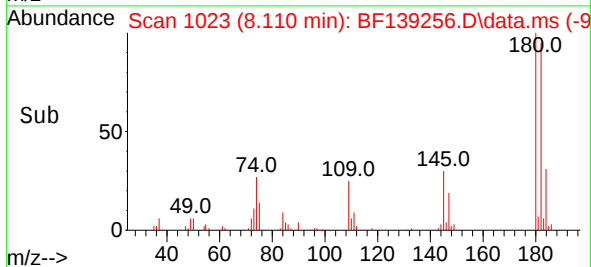
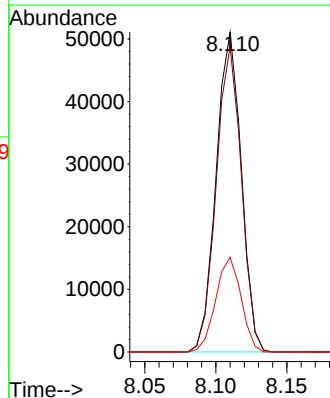
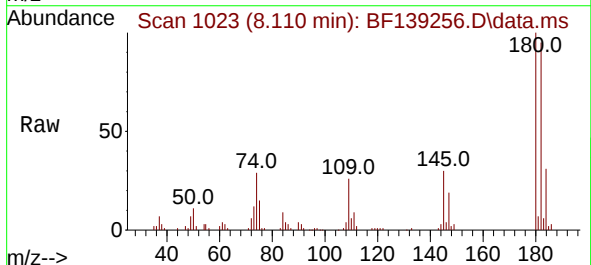
Tgt Ion:180 Resp: 62857

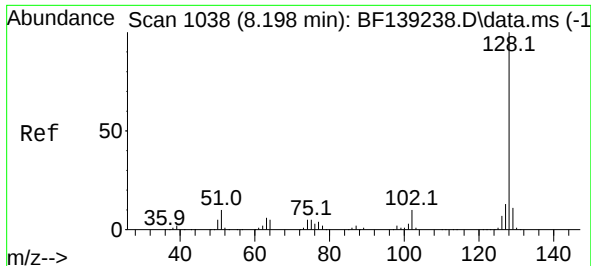
Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 29.6 25.1 37.7





#31

Naphthalene

Concen: 10.265 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

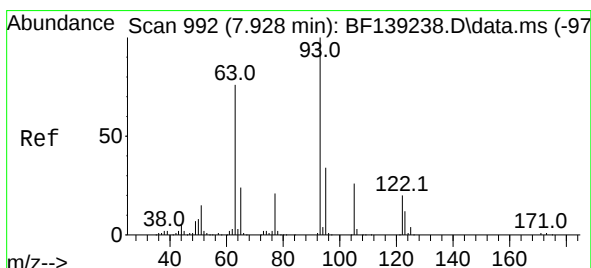
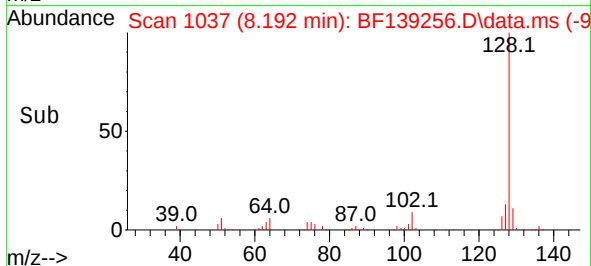
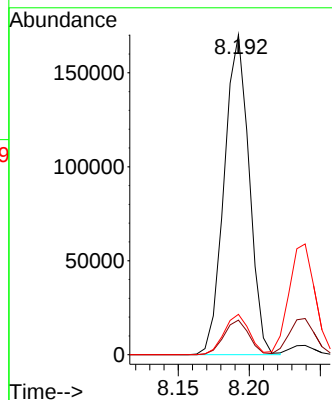
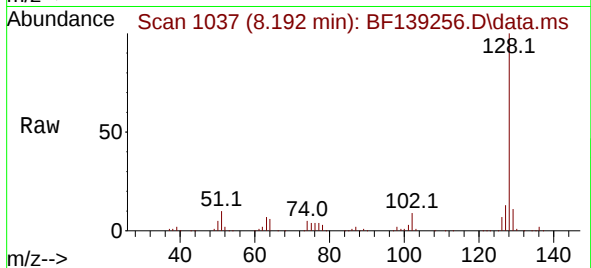
Tgt Ion:128 Resp: 207751

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.6 10.6 15.8



#32

Benzoic acid

Concen: 11.173 ng

RT: 7.886 min Scan# 985

Delta R.T. -0.042 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

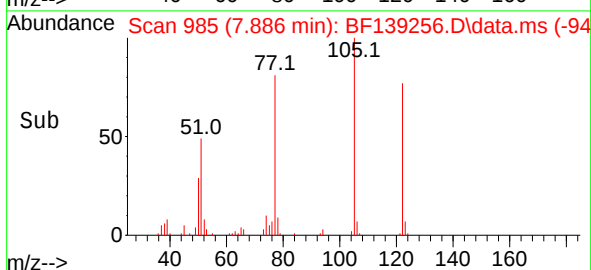
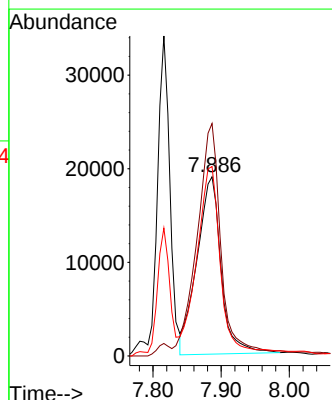
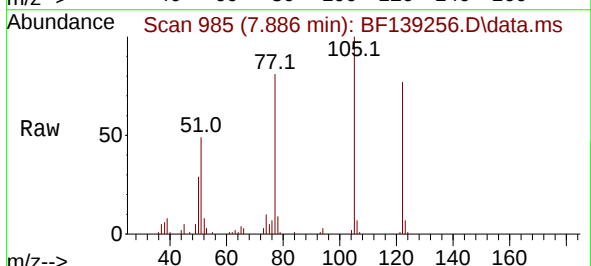
Tgt Ion:122 Resp: 46482

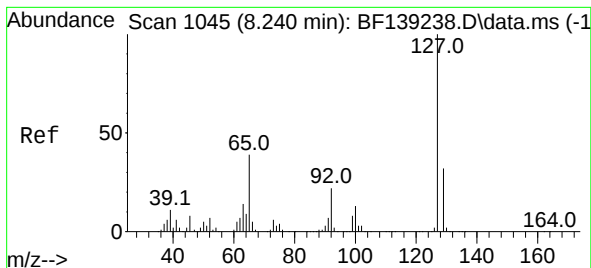
Ion Ratio Lower Upper

122 100

105 129.7 106.3 146.3

77 105.7 84.1 124.1





#33

4-Chloroaniline

Concen: 10.896 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 76358

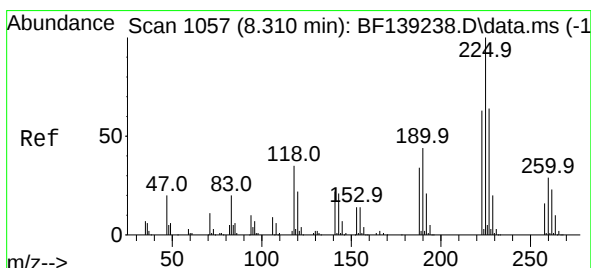
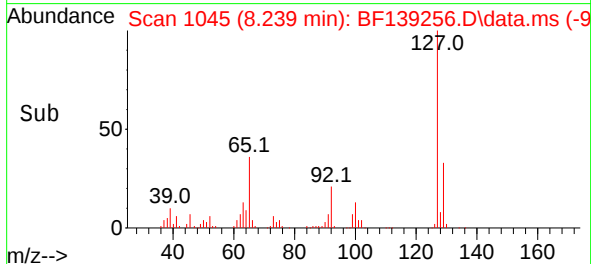
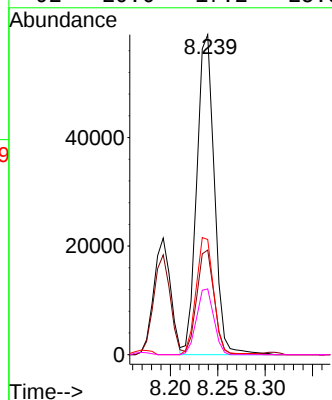
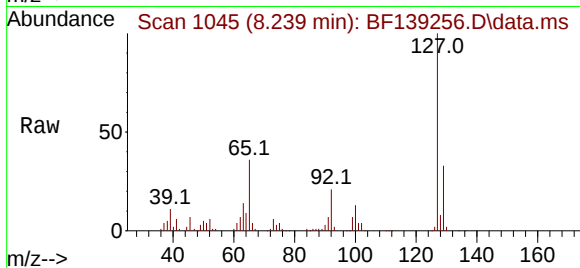
Ion Ratio Lower Upper

127 100

129 32.7 25.8 38.6

65 36.0 30.6 45.8

92 20.6 17.2 25.8



#34

Hexachlorobutadiene

Concen: 9.656 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

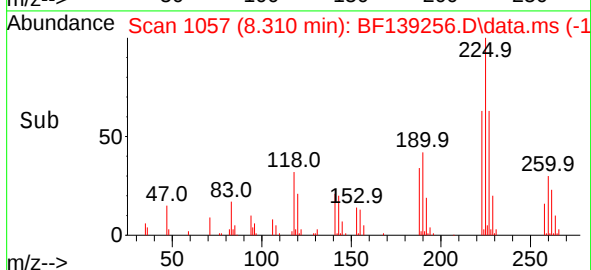
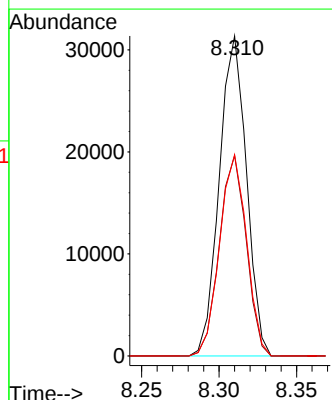
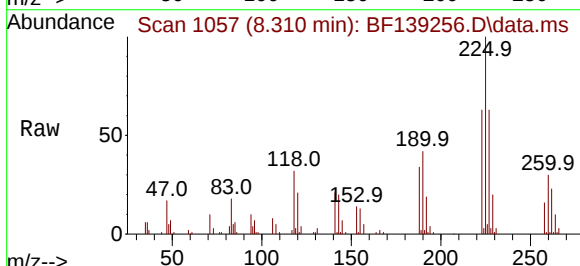
Tgt Ion:225 Resp: 38218

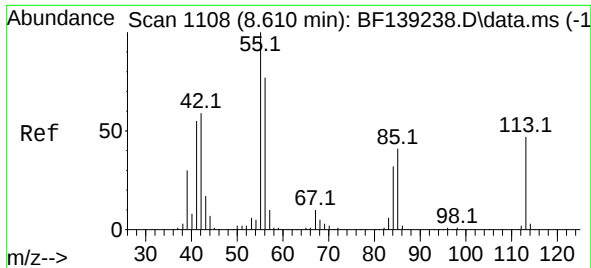
Ion Ratio Lower Upper

225 100

223 62.6 50.7 76.1

227 62.9 51.5 77.3





#35

Caprolactam

Concen: 9.056 ng

RT: 8.569 min Scan# 1108

Delta R.T. -0.041 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

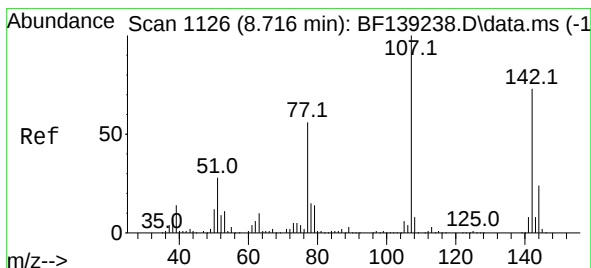
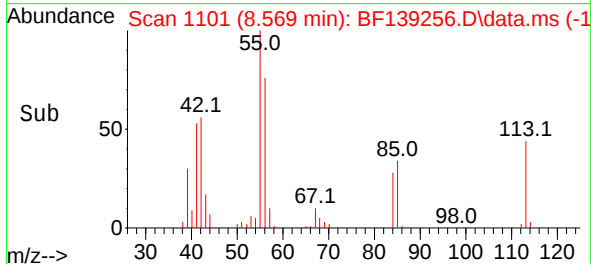
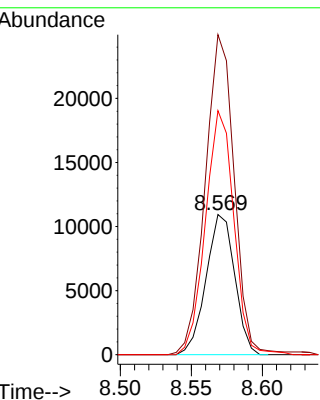
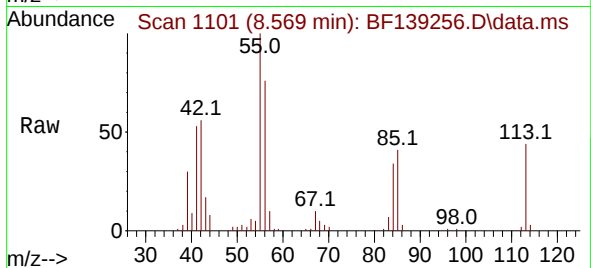
Tgt Ion:113 Resp: 15332

Ion Ratio Lower Upper

113 100

55 228.4 193.7 233.7

56 174.1 145.0 185.0



#36

4-Chloro-3-methylphenol

Concen: 10.151 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

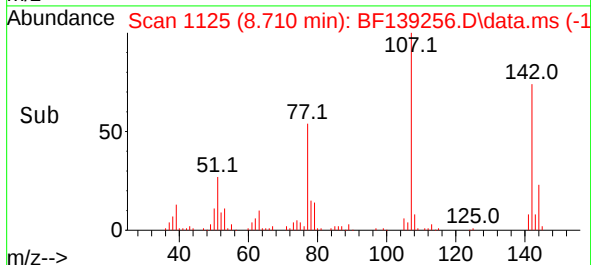
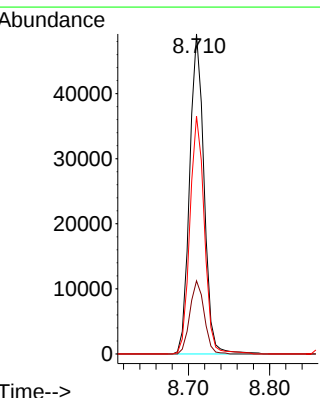
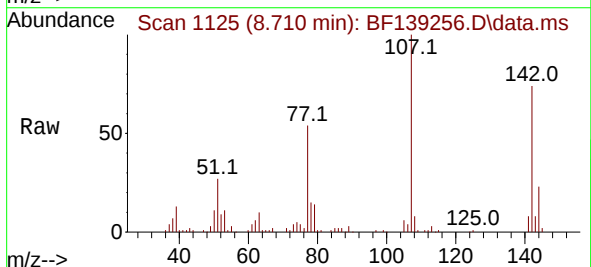
Tgt Ion:107 Resp: 60497

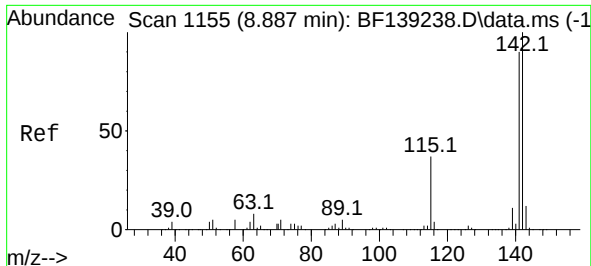
Ion Ratio Lower Upper

107 100

144 22.9 19.1 28.7

142 74.4 58.3 87.5





#37

2-Methylnaphthalene

Concen: 10.248 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

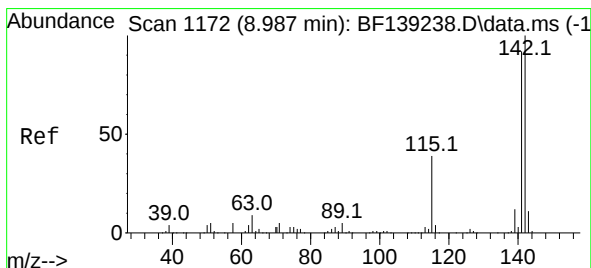
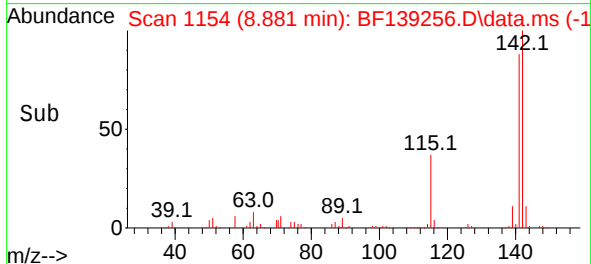
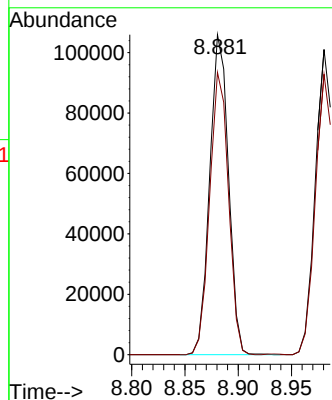
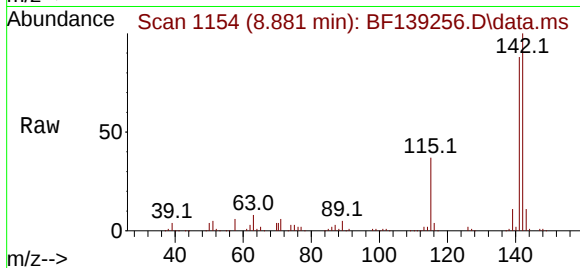
LOQ-SOIL-02-QT2-2024

Tgt Ion:142 Resp: 129770

Ion Ratio Lower Upper

142 100

141 88.2 71.6 107.4



#38

1-Methylnaphthalene

Concen: 9.811 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF139256.D

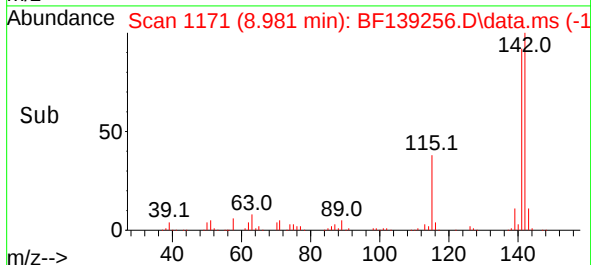
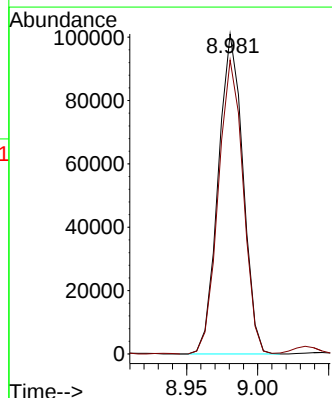
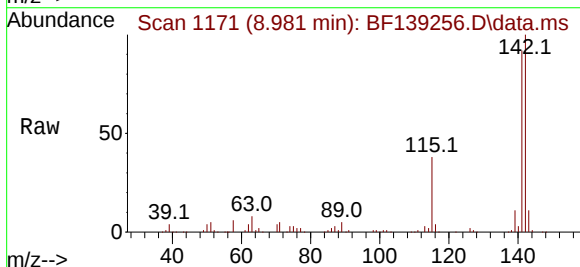
Acq: 05 Sep 2024 12:02

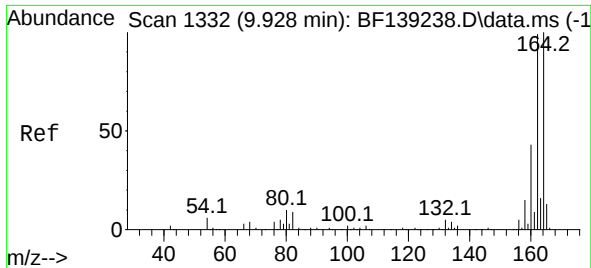
Tgt Ion:142 Resp: 122185

Ion Ratio Lower Upper

142 100

141 91.9 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: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

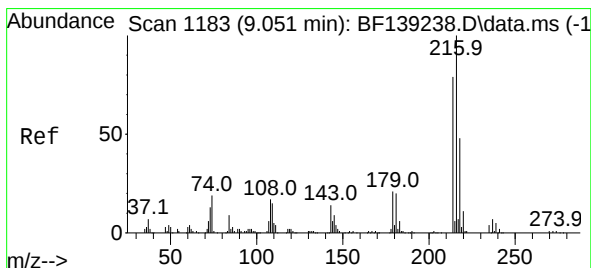
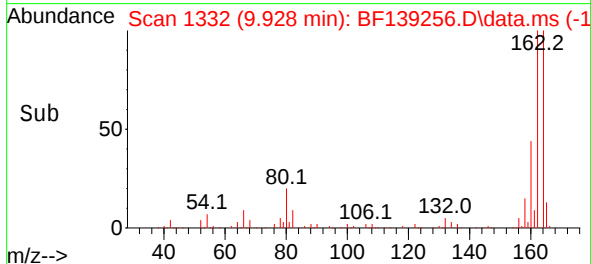
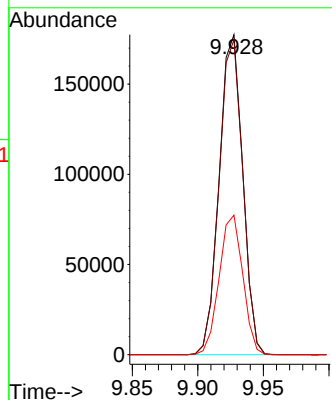
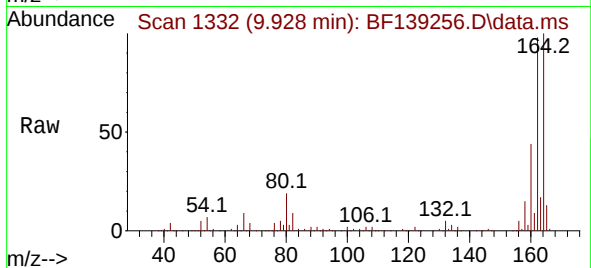
Tgt Ion:164 Resp: 221438

Ion Ratio Lower Upper

164 100

162 98.4 79.2 118.8

160 43.6 34.2 51.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.425 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Tgt Ion:216 Resp: 65313

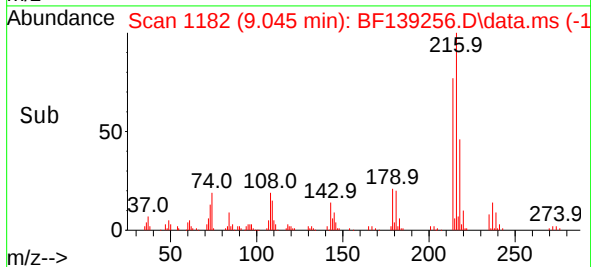
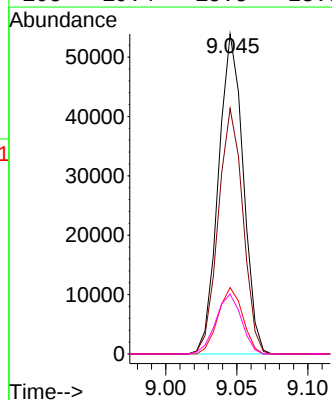
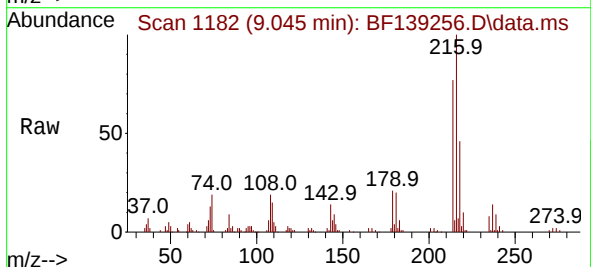
Ion Ratio Lower Upper

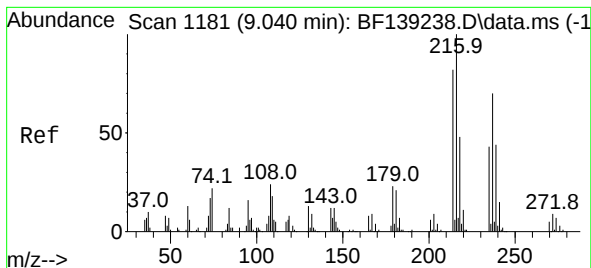
216 100

214 76.4 63.8 95.8

179 20.6 16.9 25.3

108 19.4 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 10.404 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF139256.D

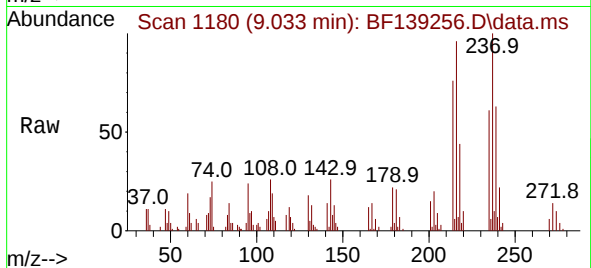
Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



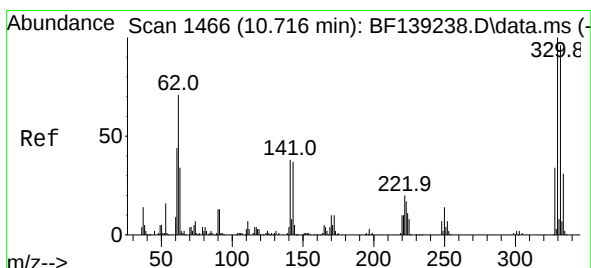
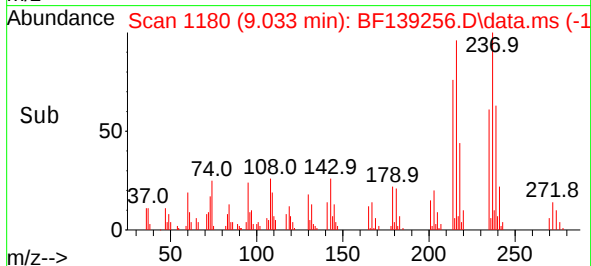
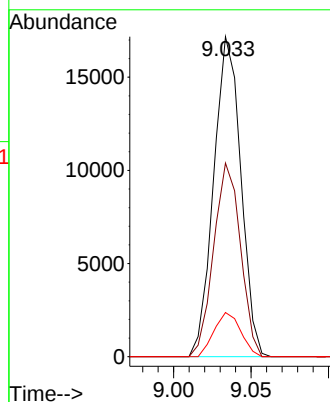
Tgt Ion:237 Resp: 20948

Ion Ratio Lower Upper

237 100

235 60.5 41.4 81.4

272 13.8 0.0 32.2



#42

2,4,6-Tribromophenol

Concen: 111.241 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

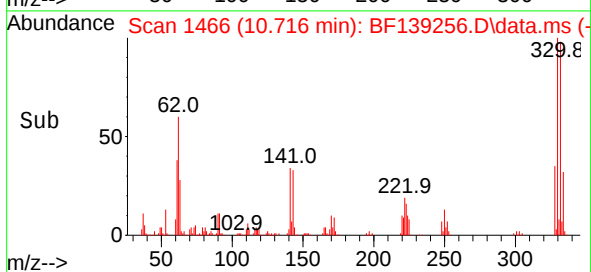
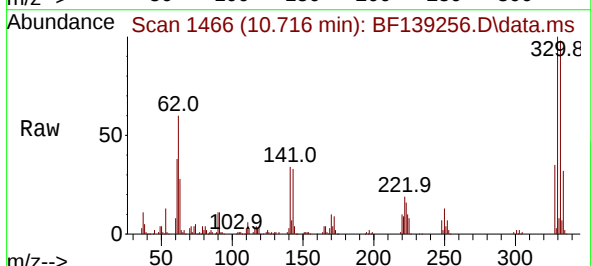
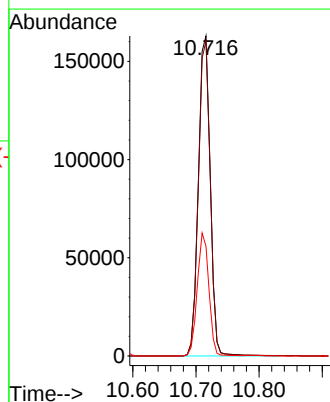
Tgt Ion:330 Resp: 212710

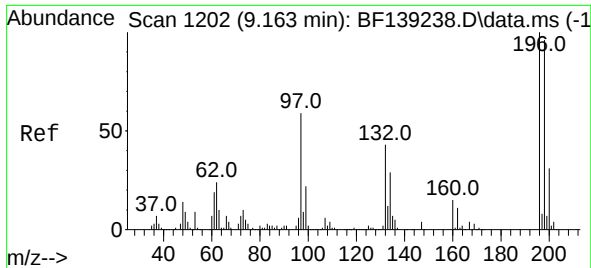
Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

141 37.6 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 9.325 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

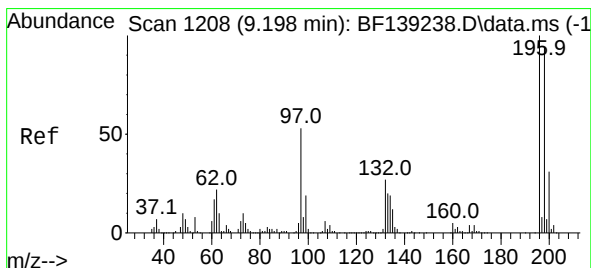
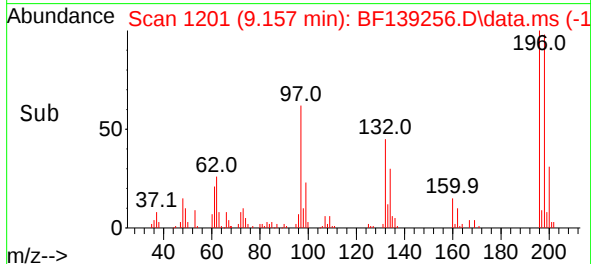
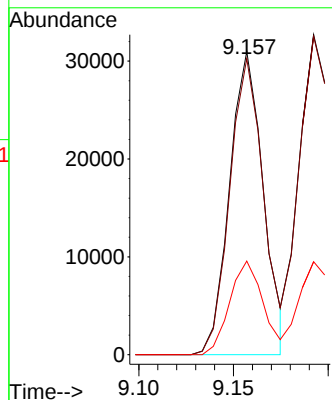
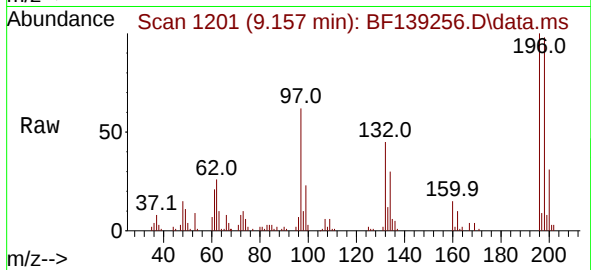
Tgt Ion:196 Resp: 38223

Ion Ratio Lower Upper

196 100

198 97.6 77.0 115.4

200 30.8 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 9.764 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Tgt Ion:196 Resp: 41942

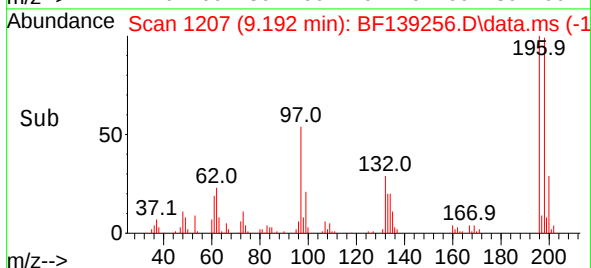
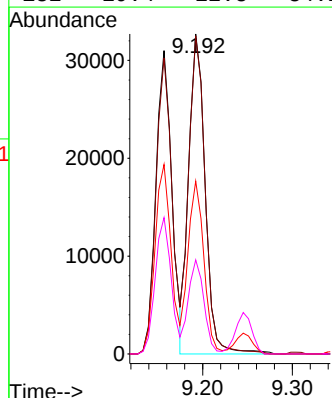
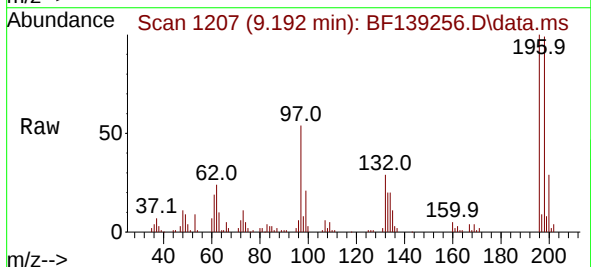
Ion Ratio Lower Upper

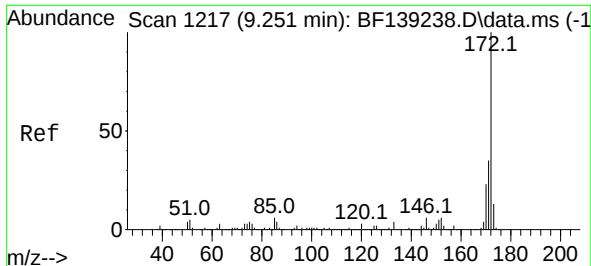
196 100

198 99.5 75.6 113.4

97 54.0 43.6 65.4

132 29.4 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 78.546 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

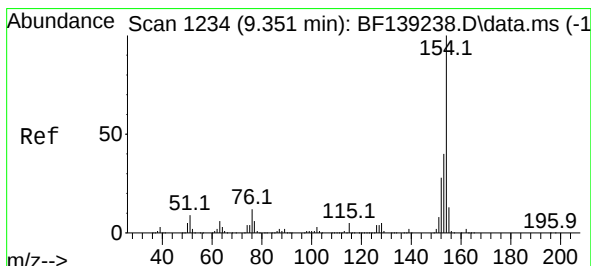
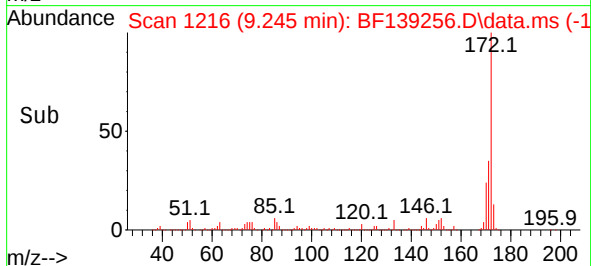
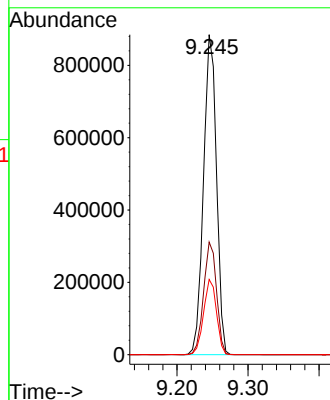
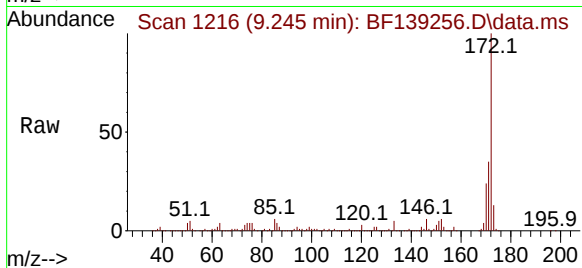
Tgt Ion:172 Resp: 1126757

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.5 18.7 28.1



#46

1,1'-Biphenyl

Concen: 10.473 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

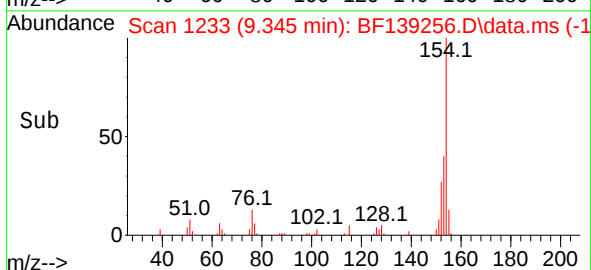
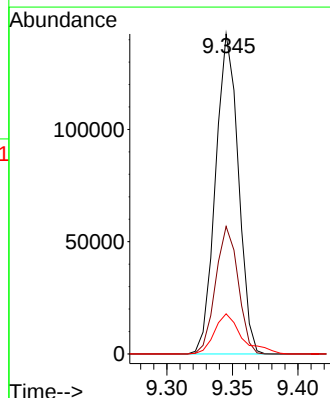
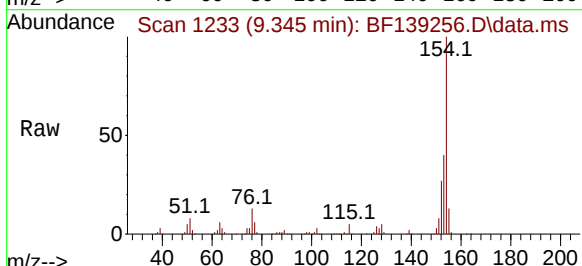
Tgt Ion:154 Resp: 171823

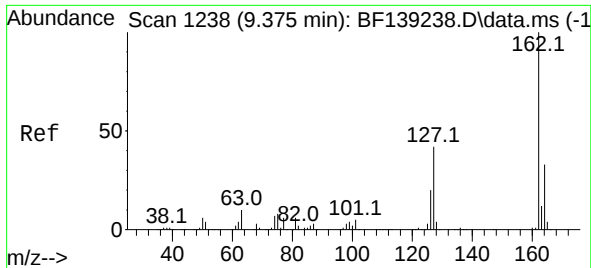
Ion Ratio Lower Upper

154 100

153 39.9 20.1 60.1

76 12.6 0.0 32.3





#47

2-Chloronaphthalene

Concen: 9.884 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

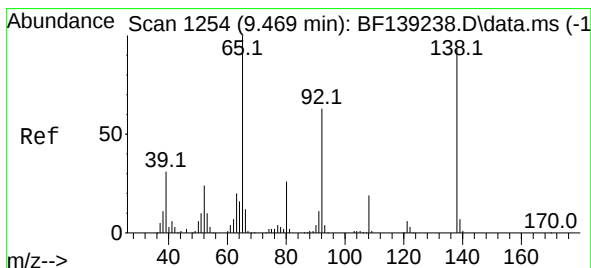
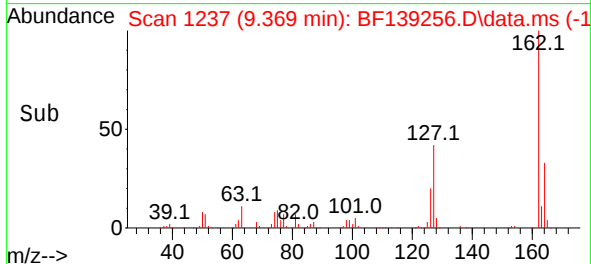
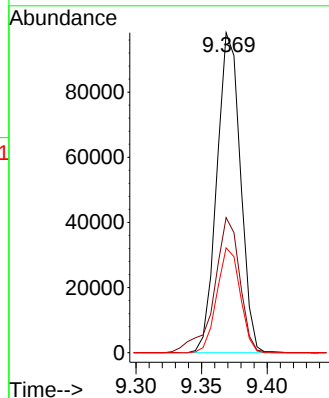
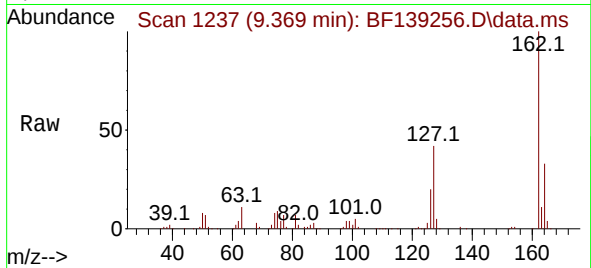
Tgt Ion:162 Resp: 122443

Ion Ratio Lower Upper

162 100

127 42.2 34.2 51.4

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 9.498 ng

RT: 9.463 min Scan# 1253

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

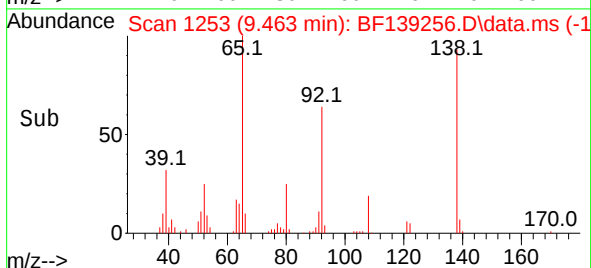
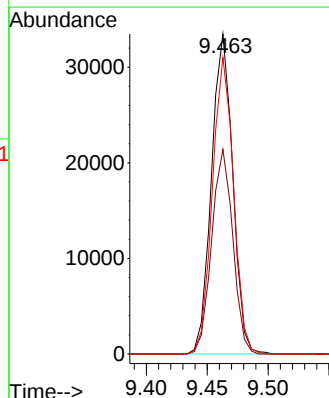
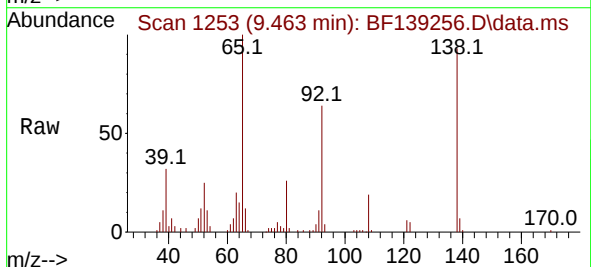
Tgt Ion: 65 Resp: 40528

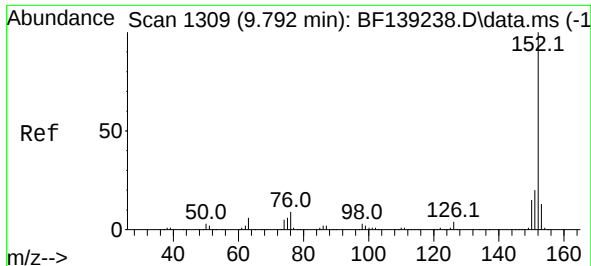
Ion Ratio Lower Upper

65 100

92 63.9 50.4 75.6

138 92.7 74.2 111.4





#49

Acenaphthylene

Concen: 10.969 ng

RT: 9.786 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

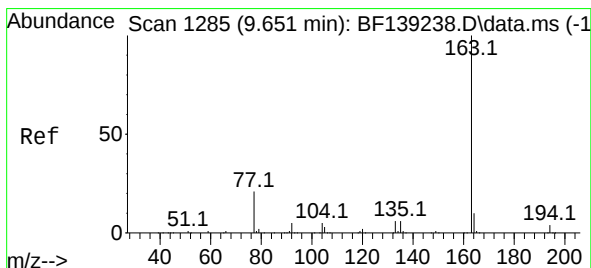
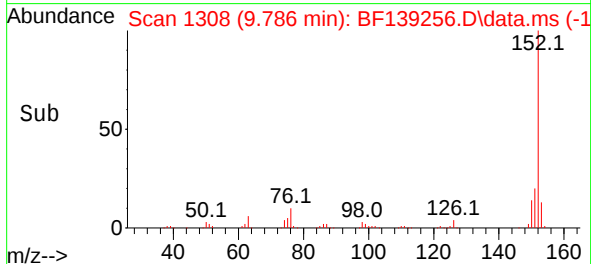
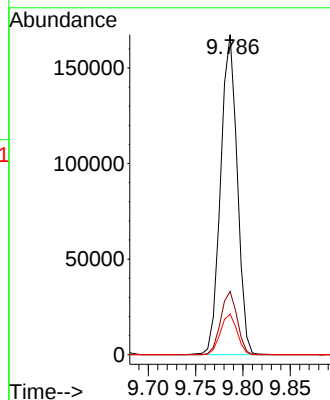
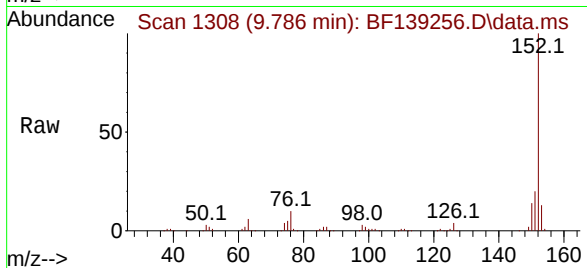
Tgt Ion:152 Resp: 204657

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 12.7 10.4 15.6



#50

Dimethylphthalate

Concen: 10.312 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

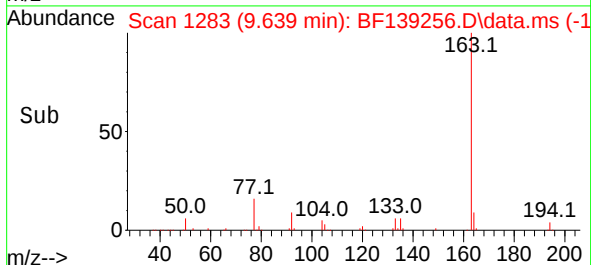
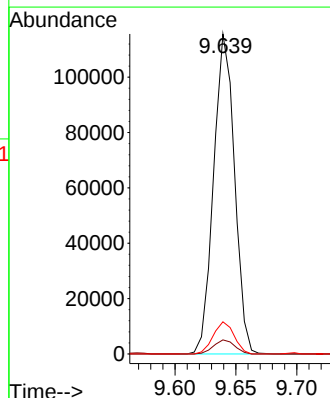
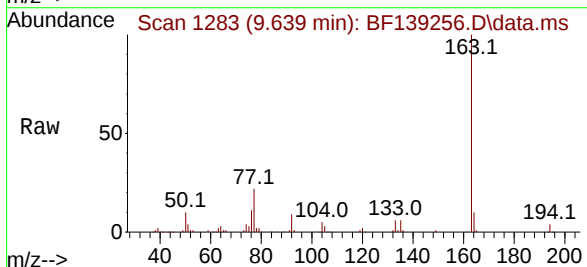
Tgt Ion:163 Resp: 138395

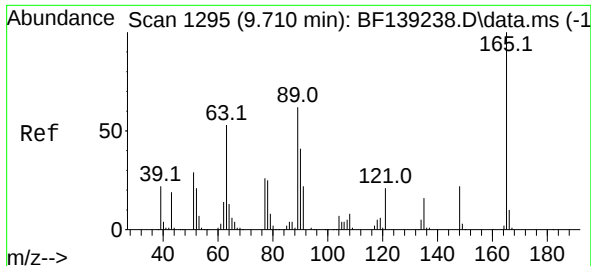
Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

164 10.1 7.9 11.9





#51

2,6-Dinitrotoluene

Concen: 9.241 ng

RT: 9.704 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

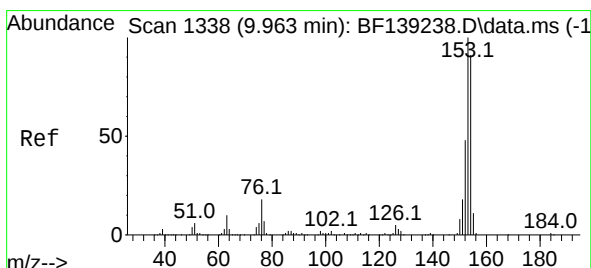
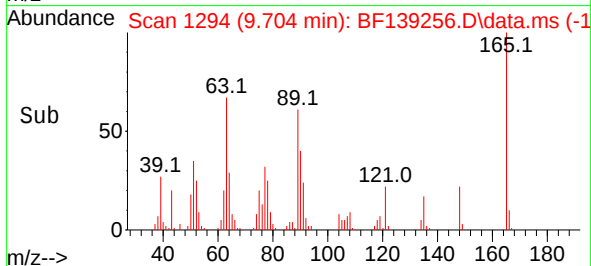
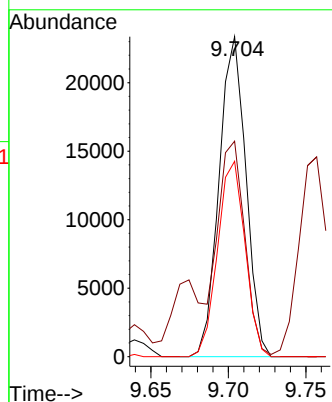
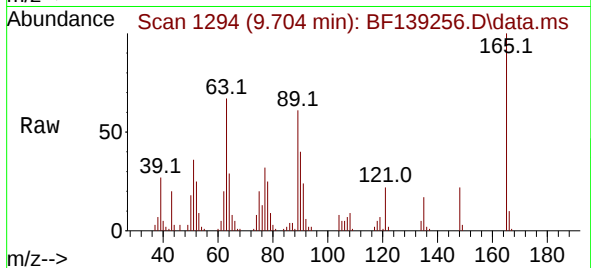
Tgt Ion:165 Resp: 28137

Ion Ratio Lower Upper

165 100

63 67.4 56.1 84.1

89 61.1 49.7 74.5



#52

Acenaphthene

Concen: 9.526 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

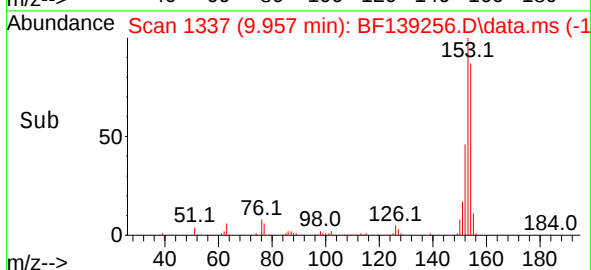
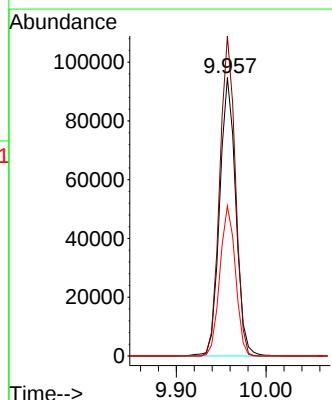
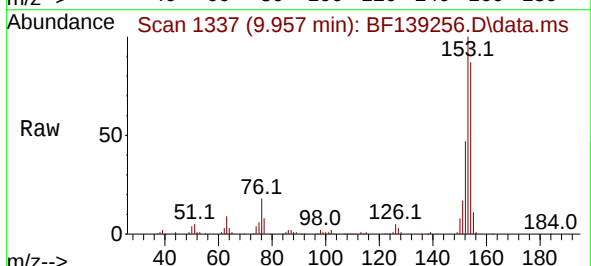
Tgt Ion:154 Resp: 117888

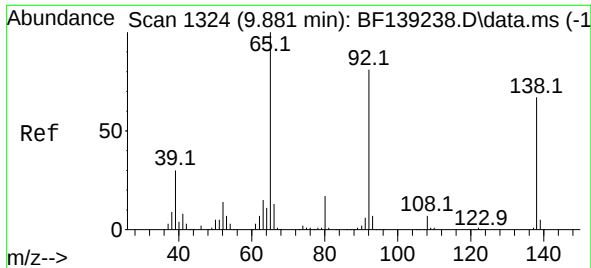
Ion Ratio Lower Upper

154 100

153 115.0 87.8 131.6

152 53.9 41.7 62.5

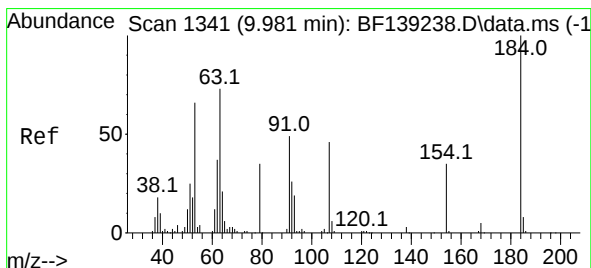
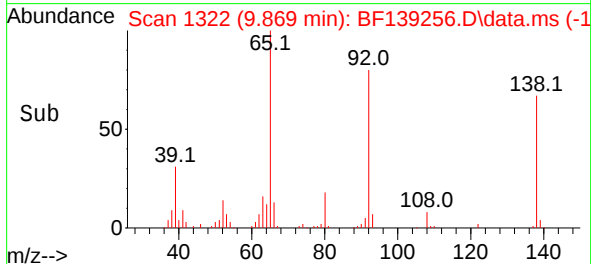
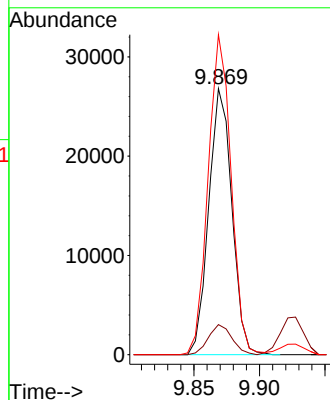
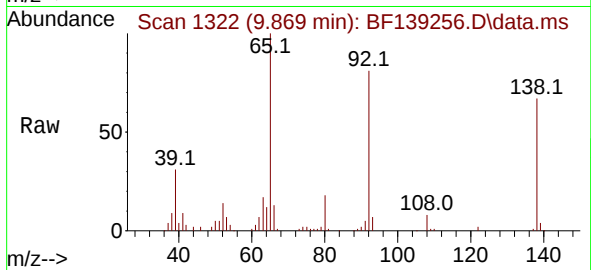




#53
3-Nitroaniline
Concen: 10.146 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

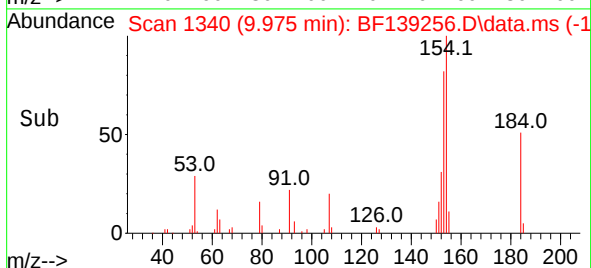
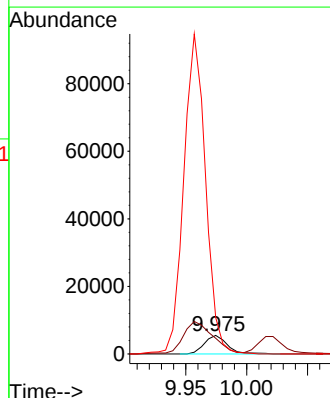
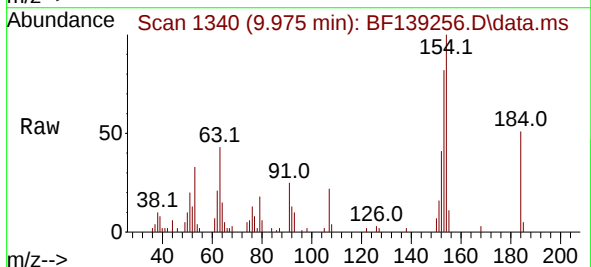
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

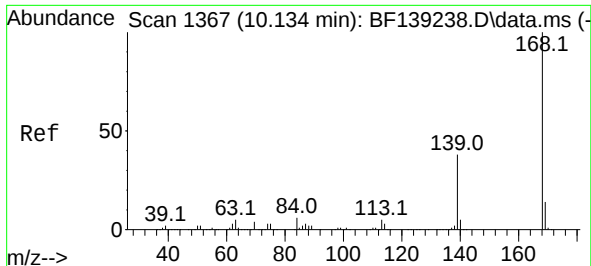
Tgt Ion:138 Resp: 32914
Ion Ratio Lower Upper
138 100
108 11.3 8.6 13.0
92 120.2 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 11.601 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:184 Resp: 7176
Ion Ratio Lower Upper
184 100
63 84.5 66.4 99.6
154 195.8 97.0 145.6#

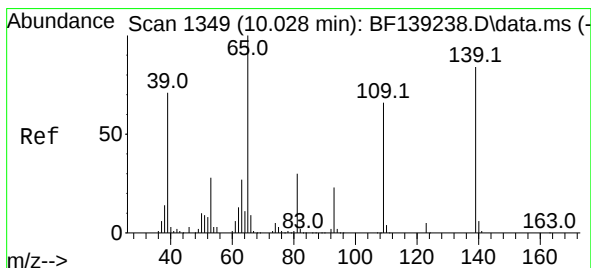
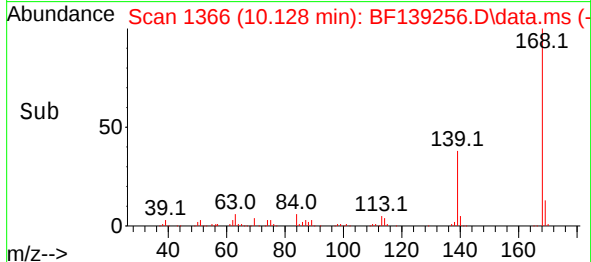
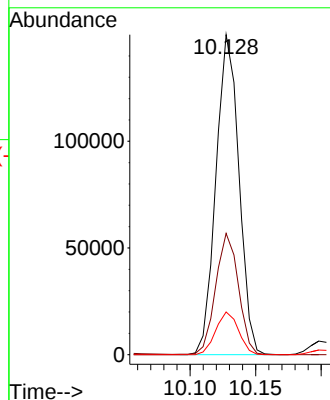
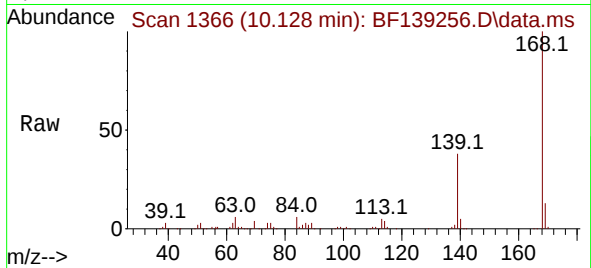




#55
 Dibenzenofuran
 Concen: 10.286 ng
 RT: 10.128 min Scan# 1366
 Delta R.T. -0.006 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

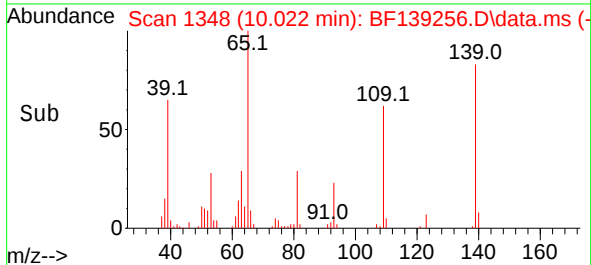
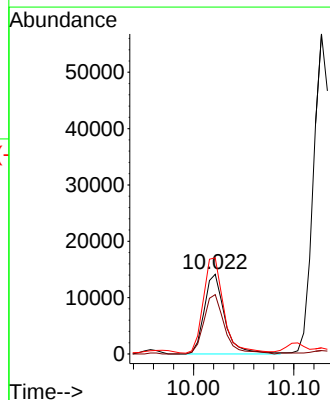
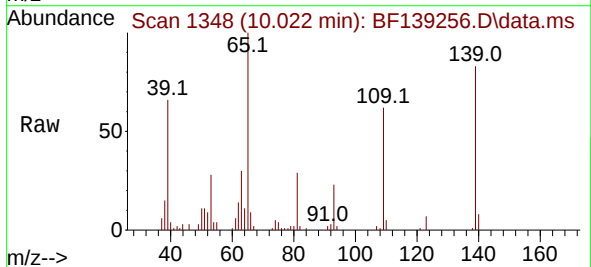
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

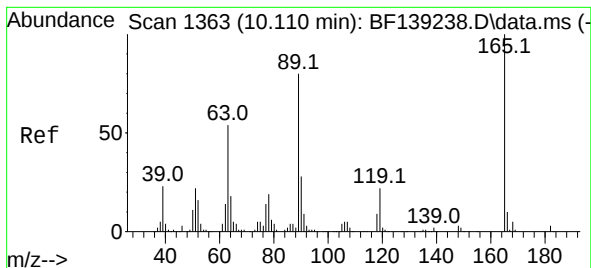
Tgt Ion:168 Resp: 182501
 Ion Ratio Lower Upper
 168 100
 139 37.9 30.2 45.4
 169 13.3 10.8 16.2



#56
 4-Nitrophenol
 Concen: 8.406 ng
 RT: 10.022 min Scan# 1348
 Delta R.T. -0.006 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

Tgt Ion:139 Resp: 20128
 Ion Ratio Lower Upper
 139 100
 109 74.6 58.7 98.7
 65 120.8 100.3 140.3





#57

2,4-Dinitrotoluene

Concen: 9.491 ng

RT: 10.104 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 36783

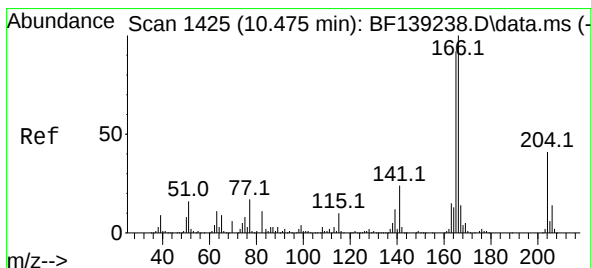
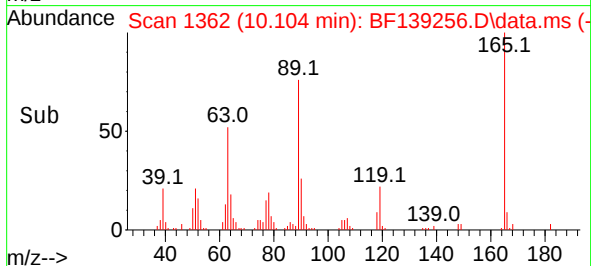
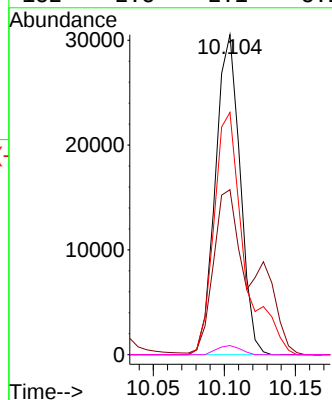
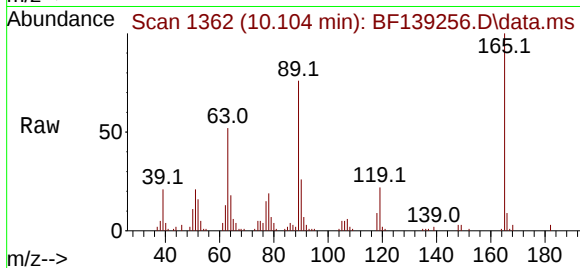
Ion Ratio Lower Upper

165 100

63 51.6 43.4 65.0

89 75.7 64.2 96.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 10.318 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

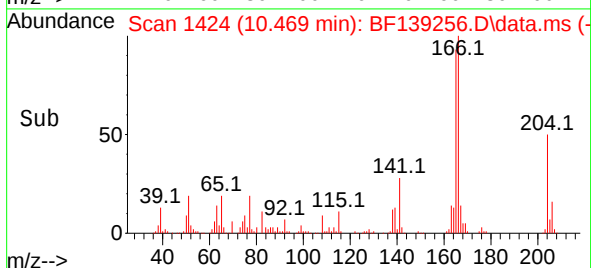
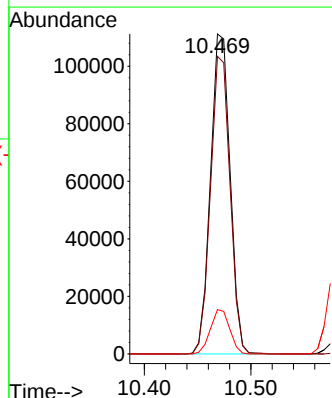
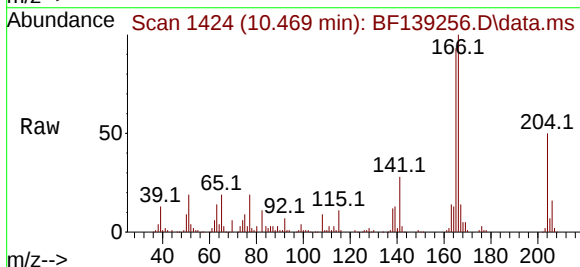
Tgt Ion:166 Resp: 141934

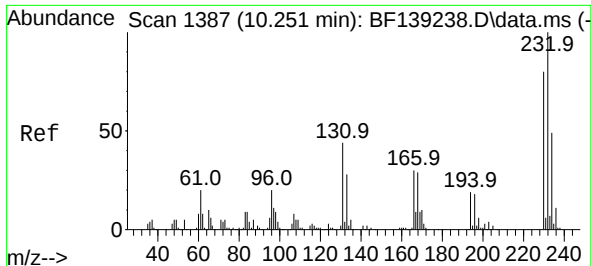
Ion Ratio Lower Upper

166 100

165 93.0 73.7 110.5

167 13.8 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.285 ng

RT: 10.245 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF139256.D

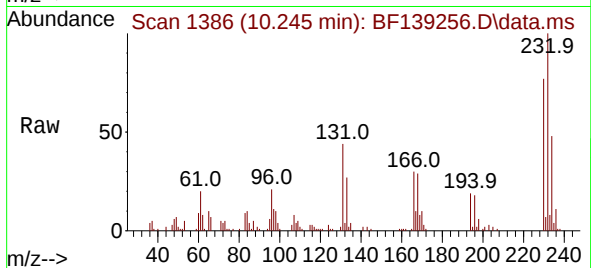
Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 34776

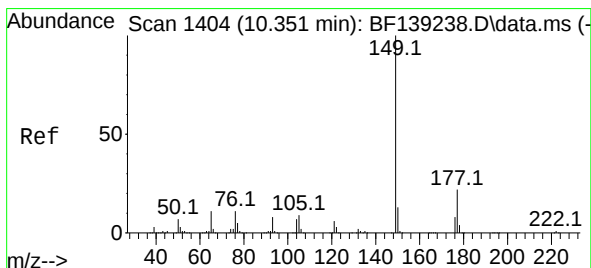
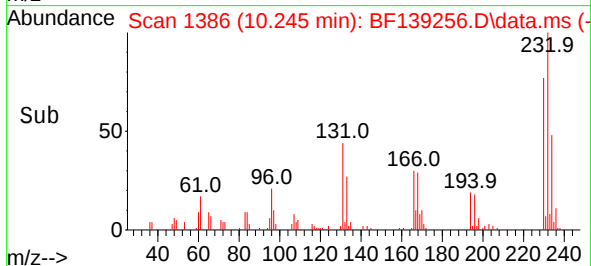
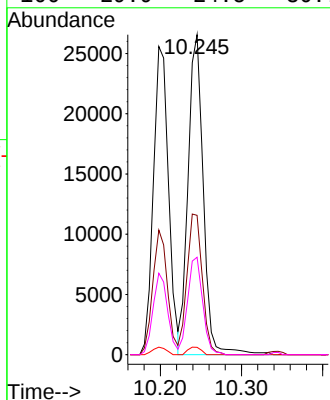
Ion Ratio Lower Upper

232 100

131 44.1 37.7 56.5

130 2.0 1.9 2.9

166 29.9 24.5 36.7



#60

Diethylphthalate

Concen: 10.140 ng

RT: 10.345 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

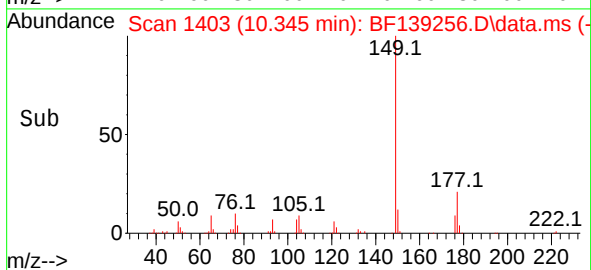
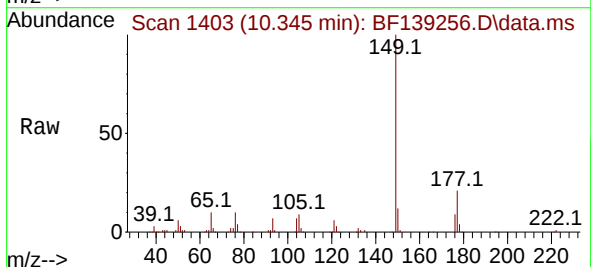
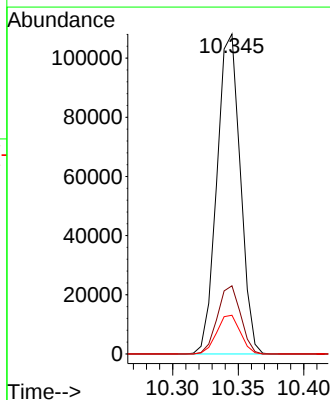
Tgt Ion:149 Resp: 133935

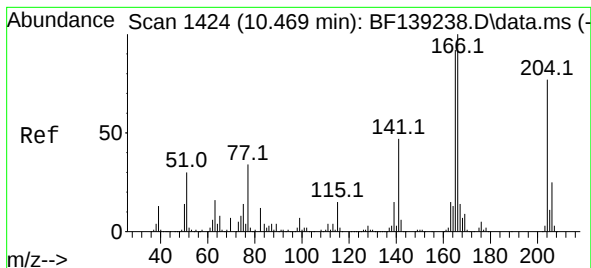
Ion Ratio Lower Upper

149 100

177 21.3 17.7 26.5

150 12.1 10.2 15.2

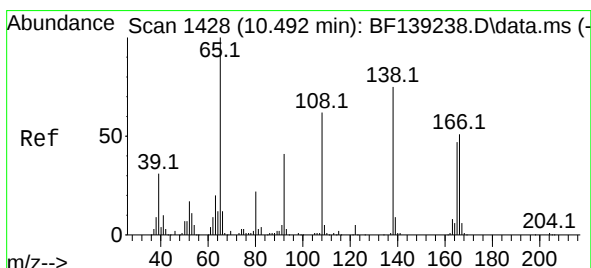
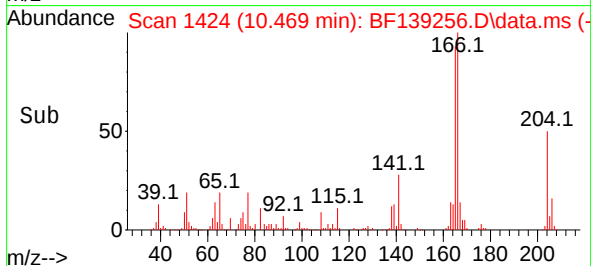
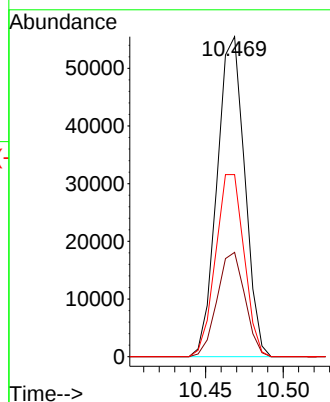
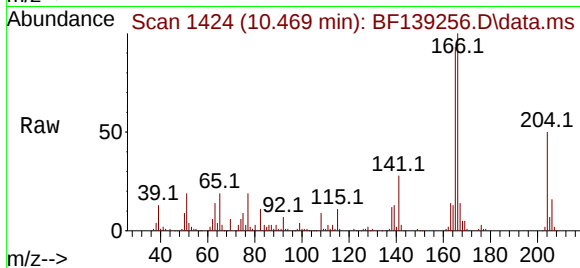




#61
4-Chlorophenyl-phenylether
Concen: 10.386 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

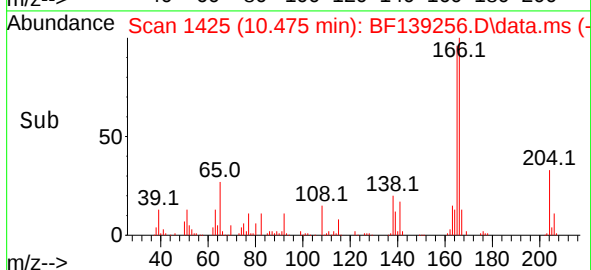
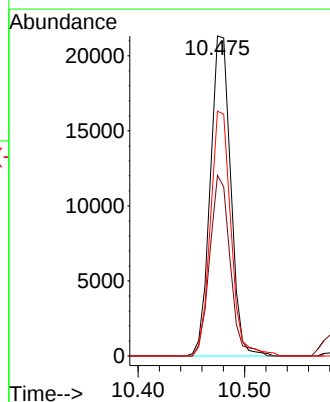
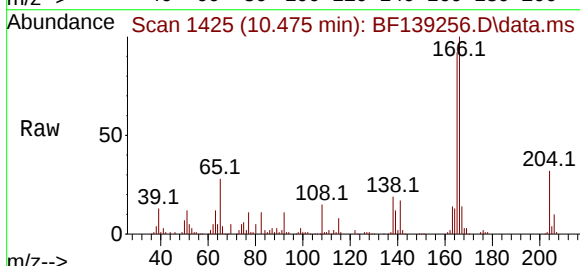
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

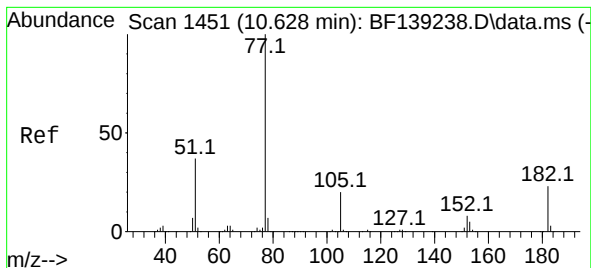
Tgt Ion:204 Resp: 68903
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 56.9 48.6 72.8



#62
4-Nitroaniline
Concen: 9.179 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:138 Resp: 28346
Ion Ratio Lower Upper
138 100
92 56.4 34.4 74.4
108 76.5 62.7 102.7





#63

Azobenzene

Concen: 9.977 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 138894

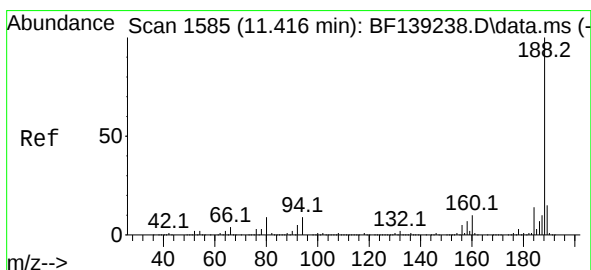
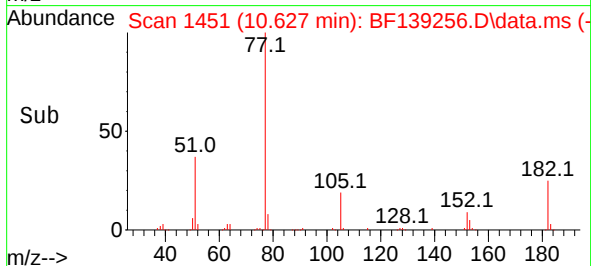
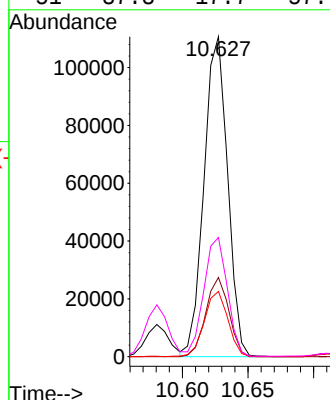
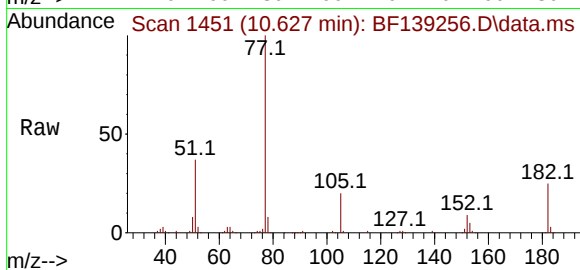
Ion Ratio Lower Upper

77 100

182 24.8 3.0 43.0

105 20.4 0.0 39.4

51 37.3 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: BF139256.D

Acq: 05 Sep 2024 12:02

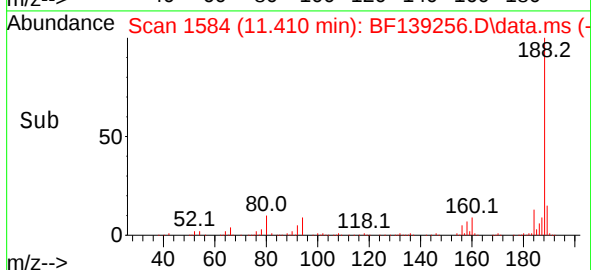
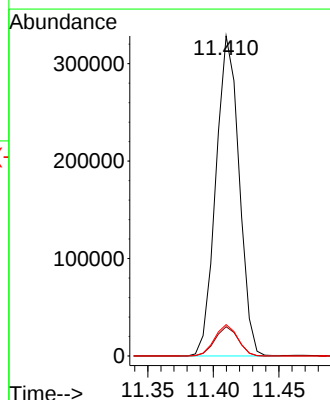
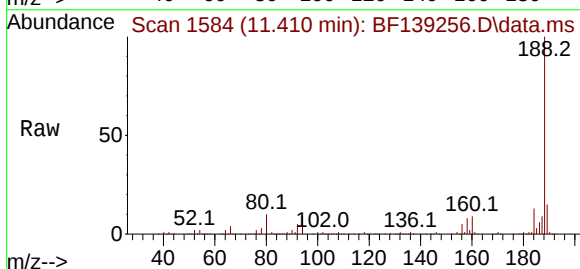
Tgt Ion:188 Resp: 404335

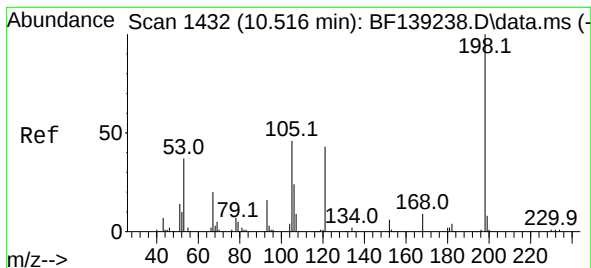
Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.4

80 9.8 7.3 10.9

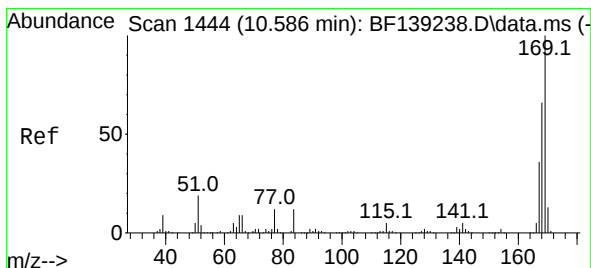
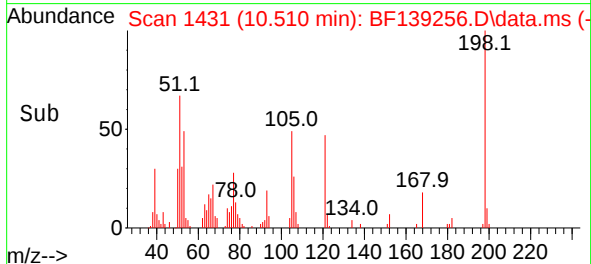
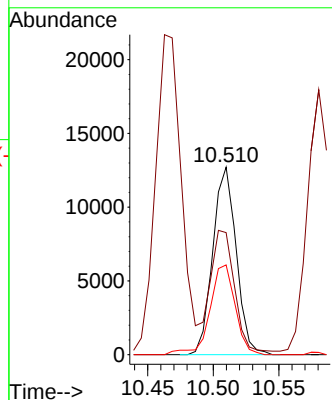
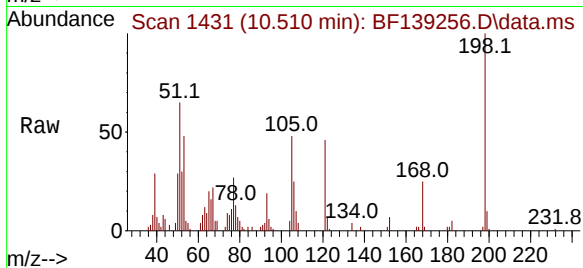




#65
4,6-Dinitro-2-methylphenol
Concen: 8.456 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

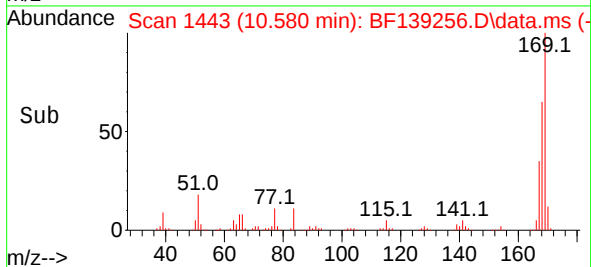
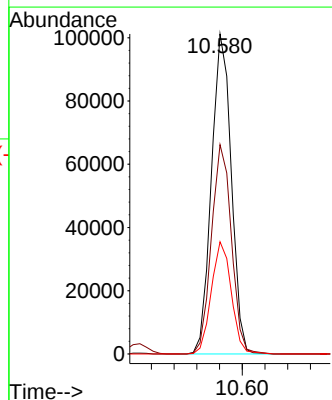
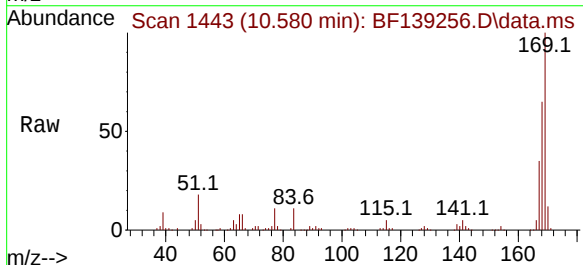
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

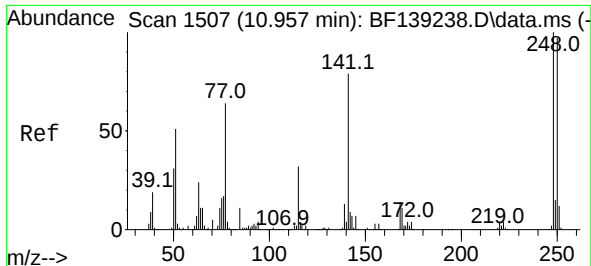
Tgt Ion:198 Resp: 15798
Ion Ratio Lower Upper
198 100
51 65.1 47.2 87.2
105 47.8 27.1 67.1



#66
n-Nitrosodiphenylamine
Concen: 10.413 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:169 Resp: 122559
Ion Ratio Lower Upper
169 100
168 65.4 53.0 79.6
167 35.0 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 9.897 ng

RT: 10.957 min Scan# 1507

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

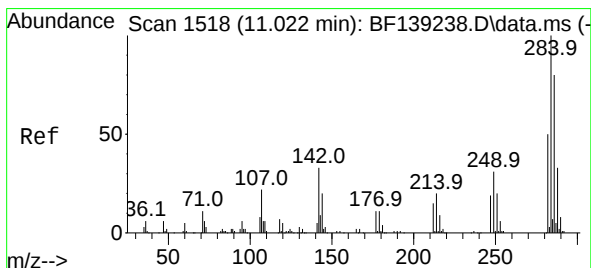
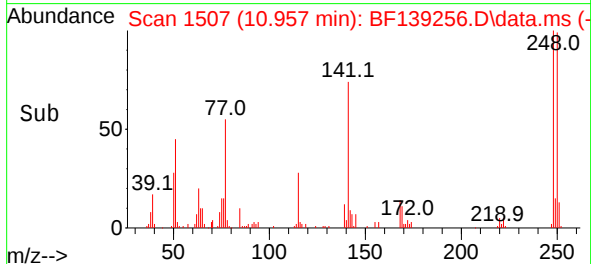
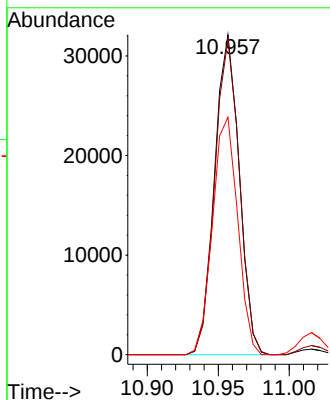
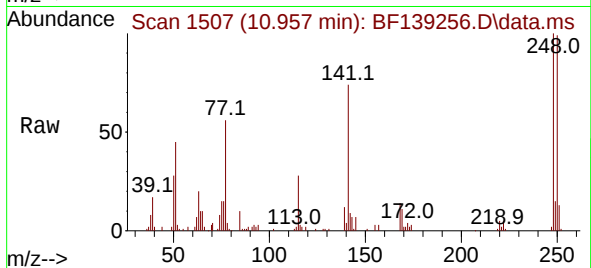
Tgt Ion:248 Resp: 38827

Ion Ratio Lower Upper

248 100

250 98.6 77.2 115.8

141 74.2 63.6 95.4



#68

Hexachlorobenzene

Concen: 9.945 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

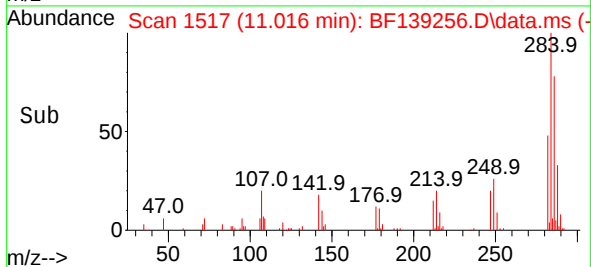
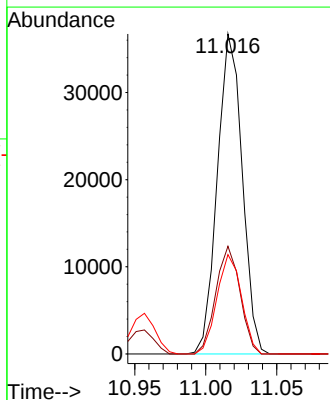
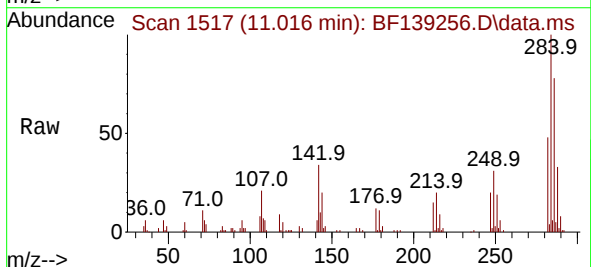
Tgt Ion:284 Resp: 44664

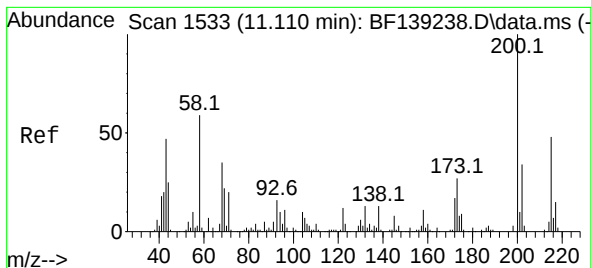
Ion Ratio Lower Upper

284 100

142 33.7 26.5 39.7

249 31.1 24.8 37.2





#69

Atrazine

Concen: 12.158 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

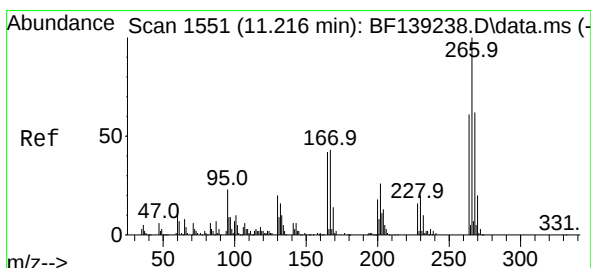
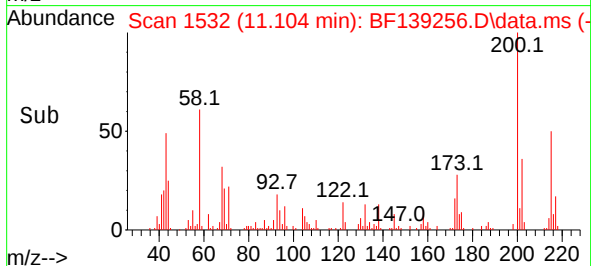
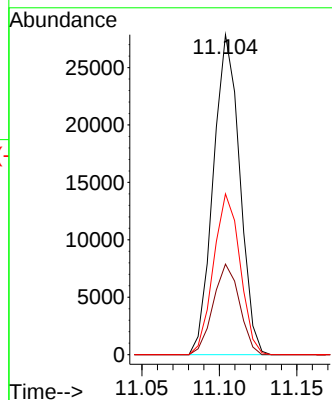
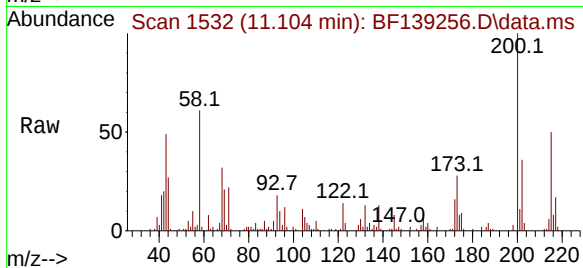
Tgt Ion:200 Resp: 33015

Ion Ratio Lower Upper

200 100

173 28.3 7.1 47.1

215 50.2 28.5 68.5



#70

Pentachlorophenol

Concen: 13.476 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

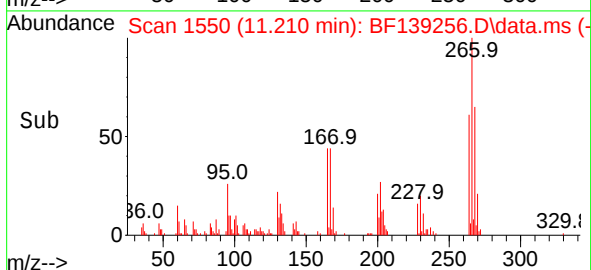
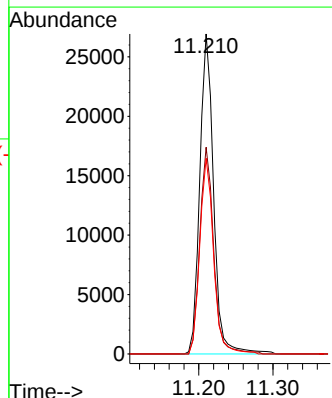
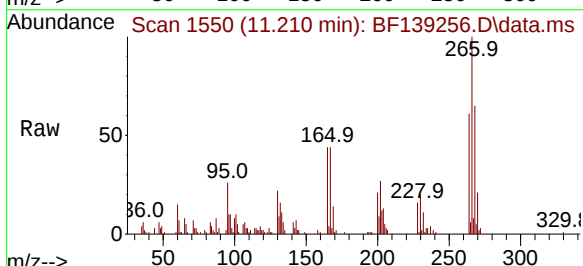
Tgt Ion:266 Resp: 34959

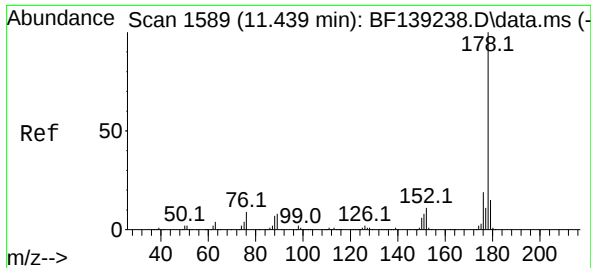
Ion Ratio Lower Upper

266 100

268 64.6 49.7 74.5

264 61.1 49.2 73.8

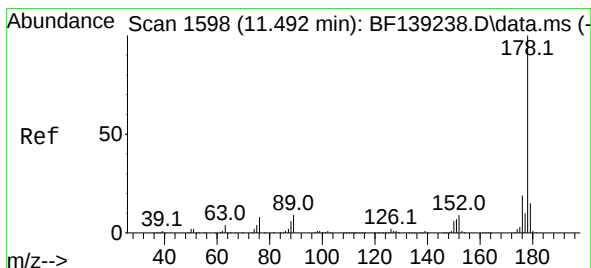
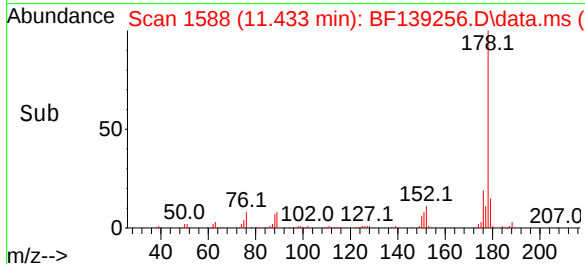
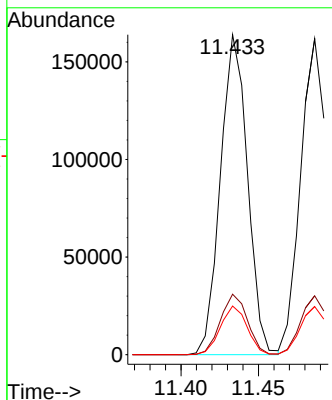
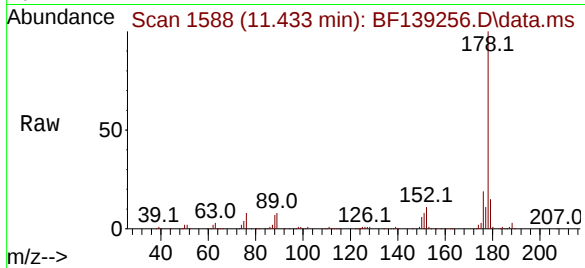




#71
Phenanthrene
Concen: 10.538 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

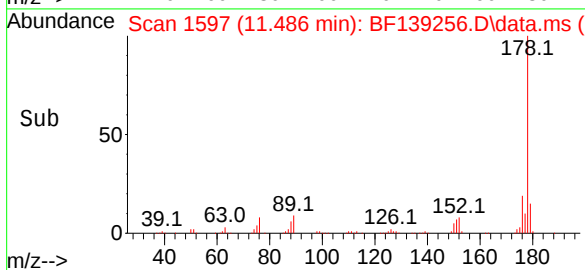
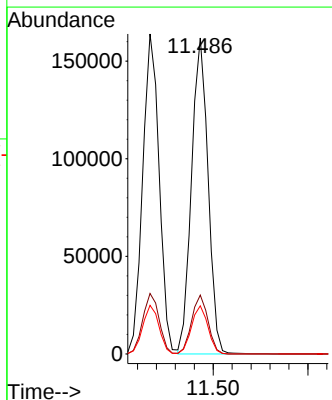
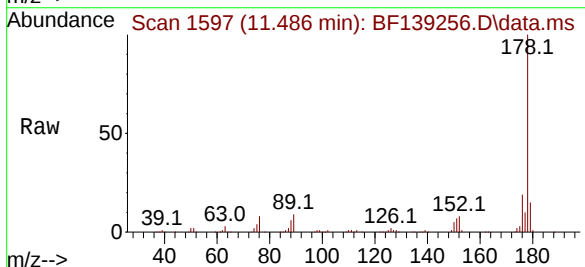
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

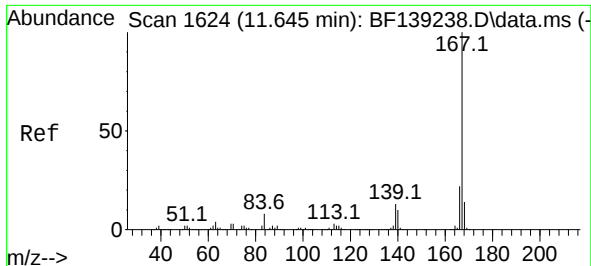
Tgt Ion:178 Resp: 199055
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.2 12.3 18.5



#72
Anthracene
Concen: 10.662 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:178 Resp: 196737
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.2 12.3 18.5

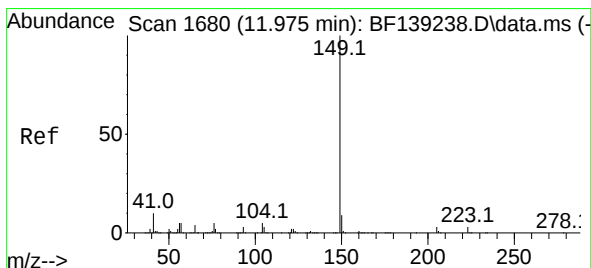
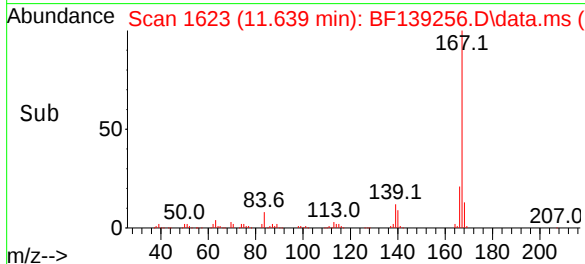
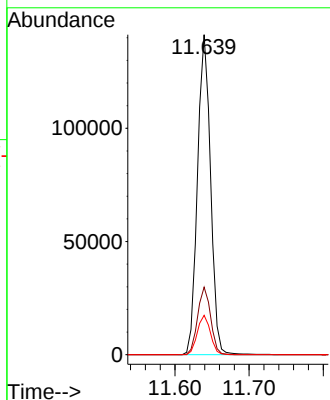
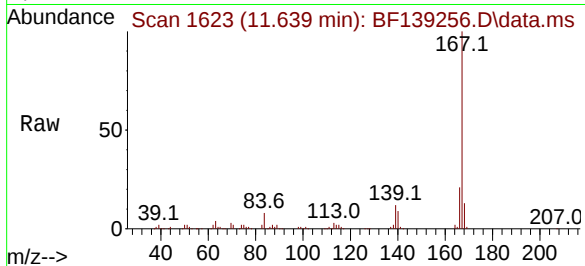




#73
 Carbazole
 Concen: 10.007 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. -0.006 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

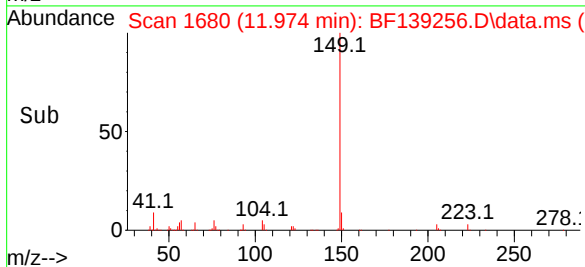
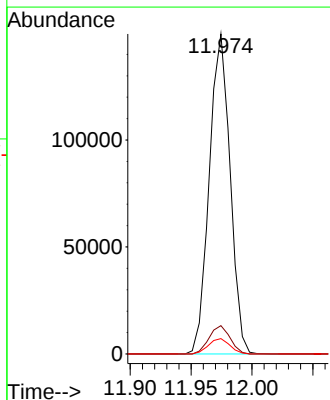
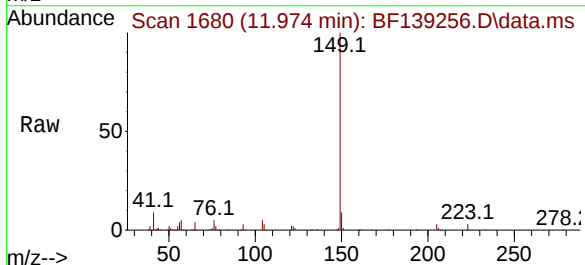
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

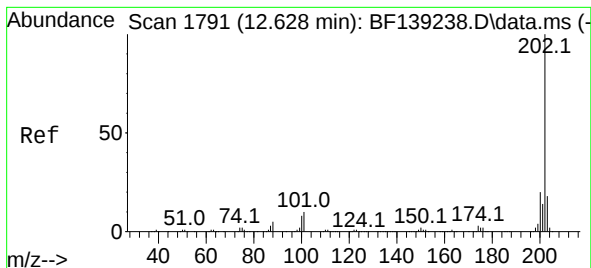
Tgt Ion:167 Resp: 172584
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 12.3 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 10.097 ng
 RT: 11.974 min Scan# 1680
 Delta R.T. -0.000 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

Tgt Ion:149 Resp: 178288
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.5 11.3
 104 4.8 3.9 5.9





#75

Fluoranthene

Concen: 10.160 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

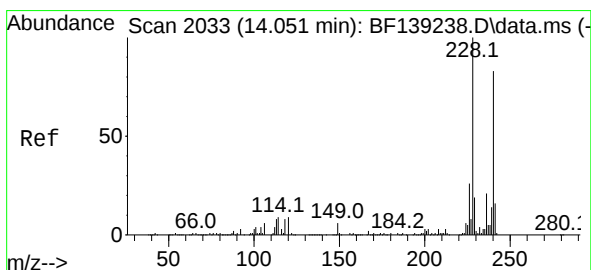
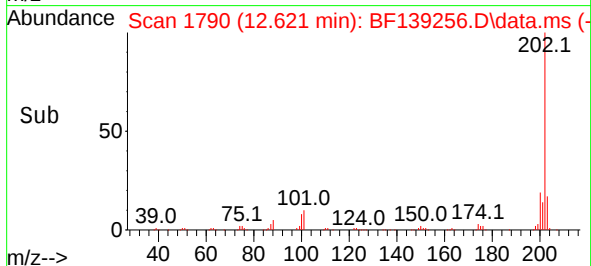
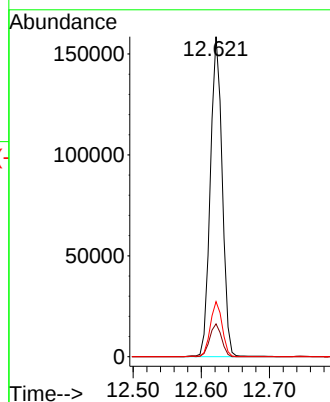
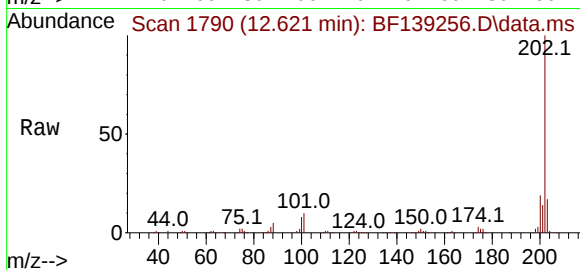
Tgt Ion:202 Resp: 192390

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.9

203 17.2 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: BF139256.D

Acq: 05 Sep 2024 12:02

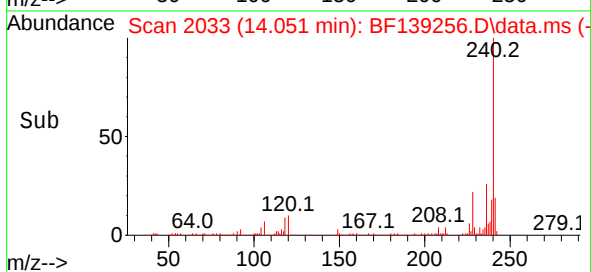
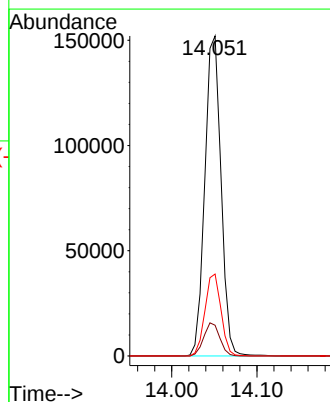
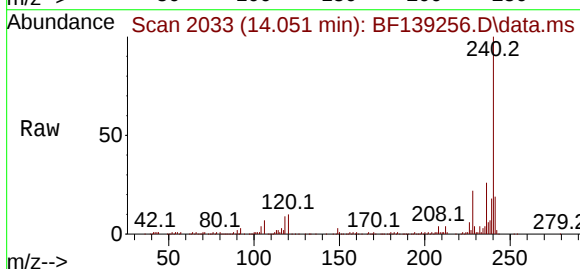
Tgt Ion:240 Resp: 200536

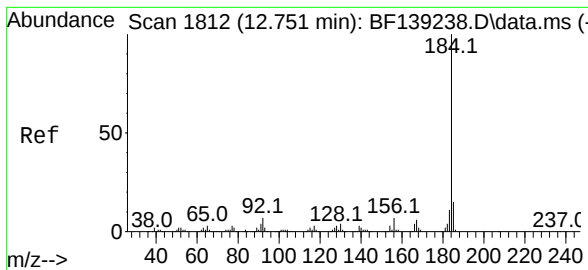
Ion Ratio Lower Upper

240 100

120 9.6 8.6 12.8

236 25.6 20.7 31.1

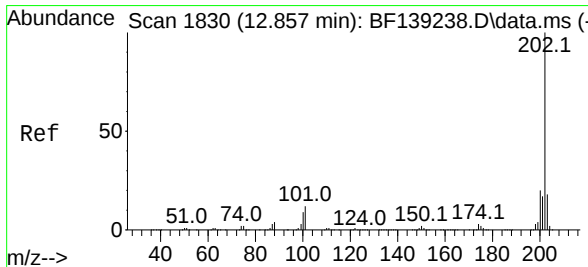
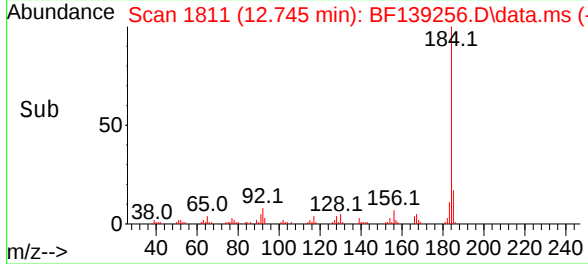
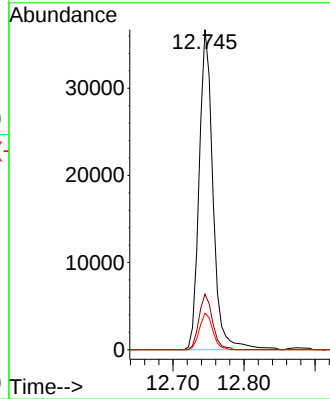
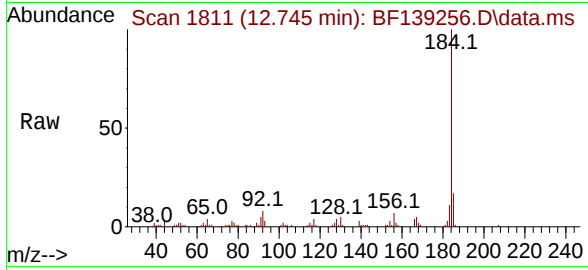




#77
Benzidine
Concen: 12.374 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

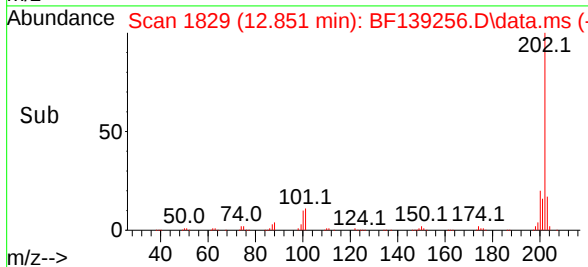
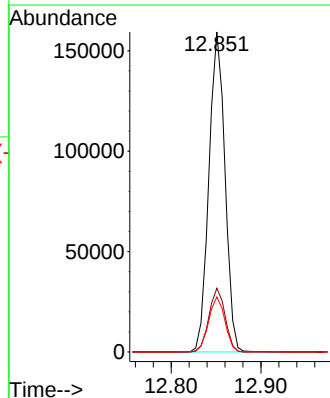
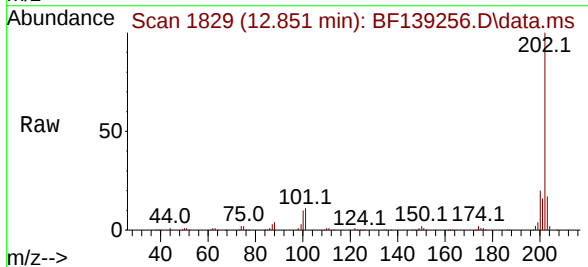
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2024

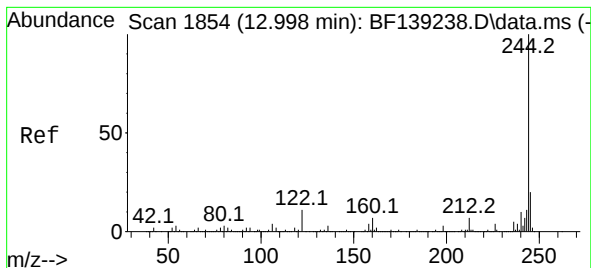
Tgt Ion:184 Resp: 49965
Ion Ratio Lower Upper
184 100
185 17.3 11.9 17.9
183 11.4 8.8 13.2



#78
Pyrene
Concen: 10.226 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139256.D
Acq: 05 Sep 2024 12:02

Tgt Ion:202 Resp: 198094
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 80.172 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF139256.D

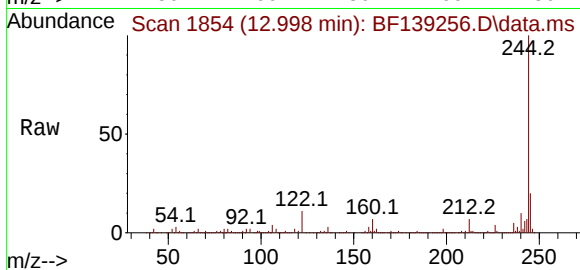
Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024



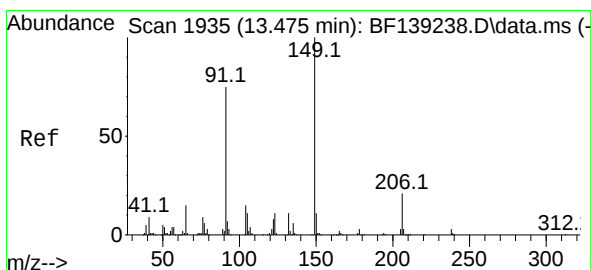
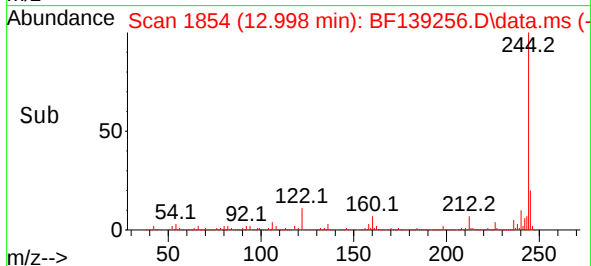
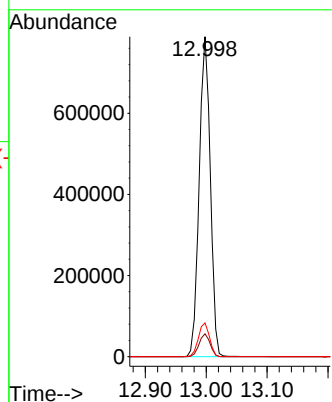
Tgt Ion:244 Resp: 995756

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.6 8.7 13.1



#80

Butylbenzylphthalate

Concen: 9.359 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

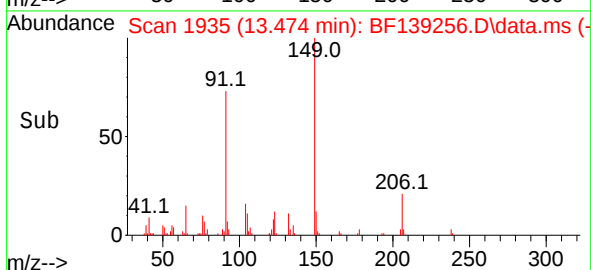
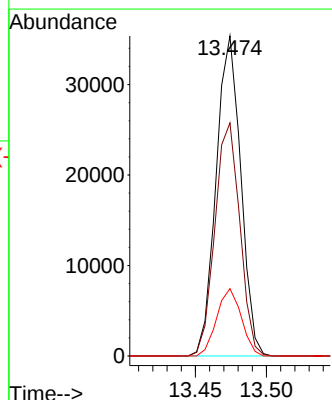
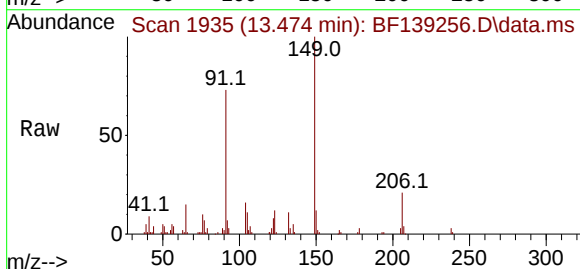
Tgt Ion:149 Resp: 42678

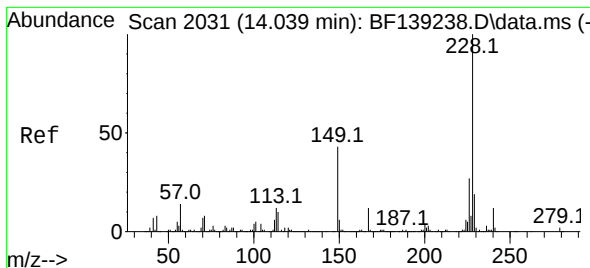
Ion Ratio Lower Upper

149 100

91 72.9 60.3 90.5

206 21.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 10.300 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

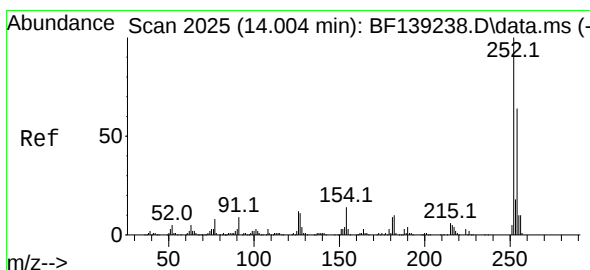
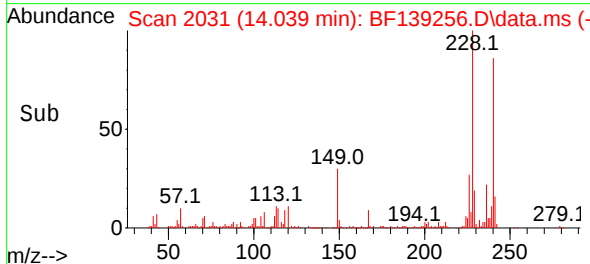
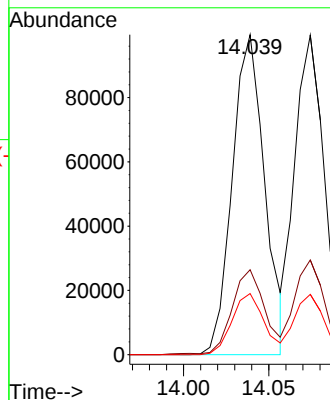
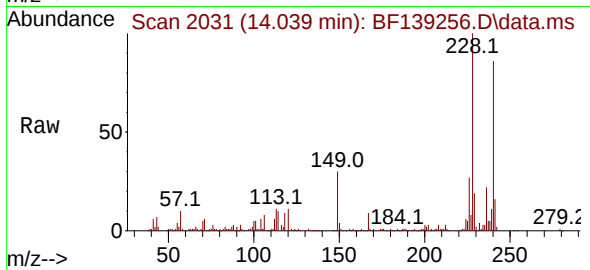
Tgt Ion:228 Resp: 131887

Ion Ratio Lower Upper

228 100

226 26.6 21.5 32.3

229 19.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 10.502 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

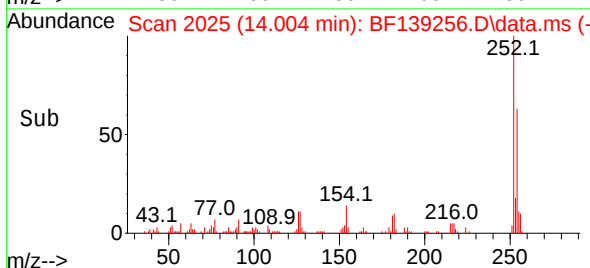
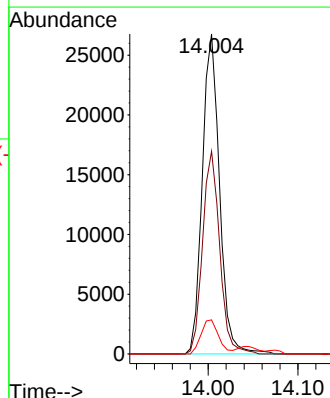
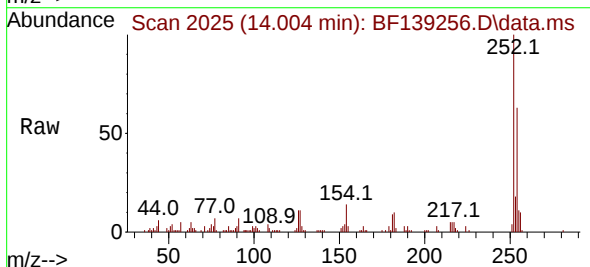
Tgt Ion:252 Resp: 35714

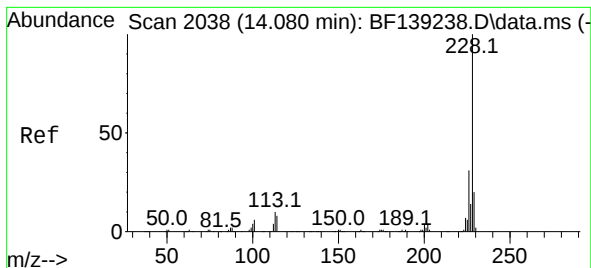
Ion Ratio Lower Upper

252 100

254 63.4 51.5 77.3

126 10.7 9.2 13.8





#83

Chrysene

Concen: 10.125 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

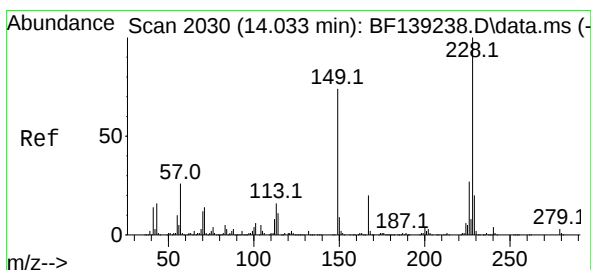
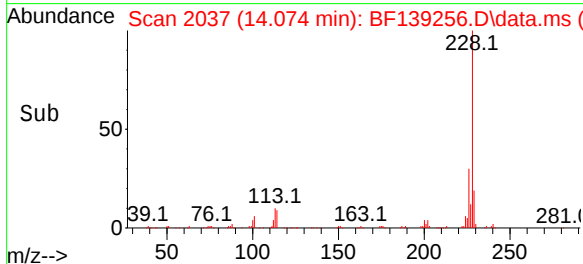
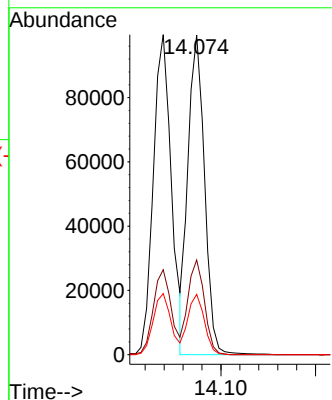
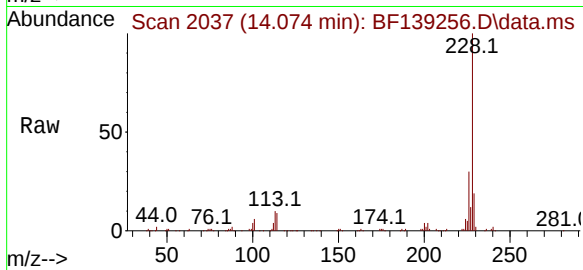
Tgt Ion:228 Resp: 121010

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 18.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.992 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

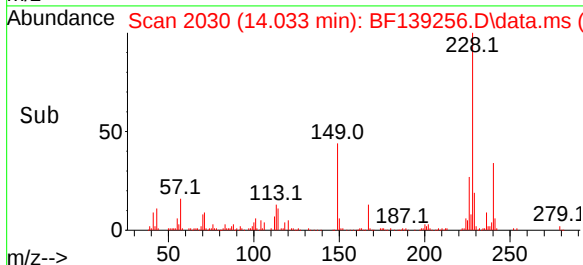
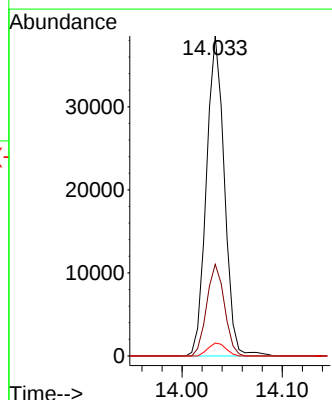
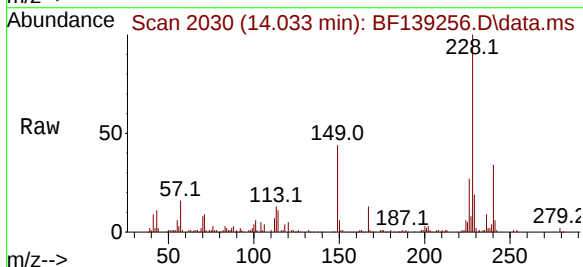
Tgt Ion:149 Resp: 48131

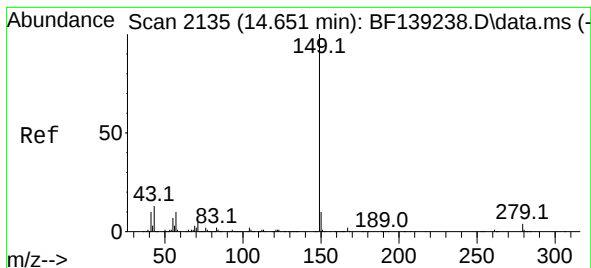
Ion Ratio Lower Upper

149 100

167 28.7 21.8 32.6

279 4.1 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.340 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

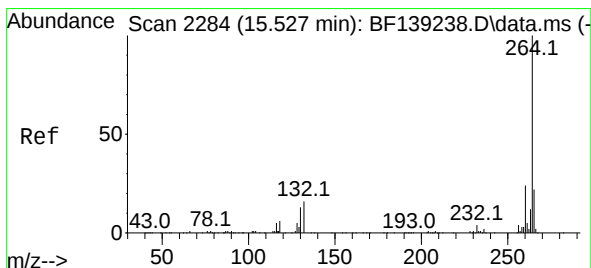
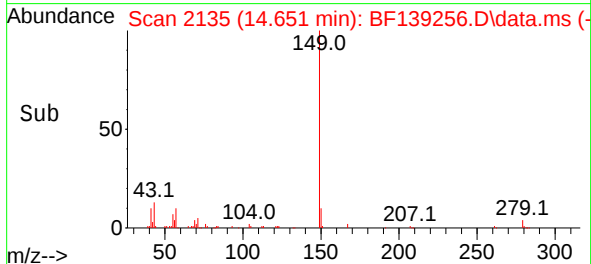
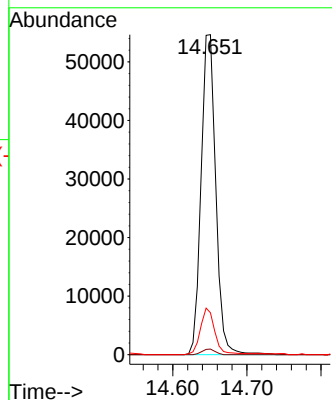
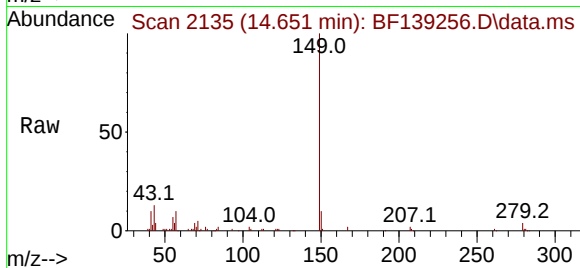
Tgt Ion:149 Resp: 75218

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 14.3 10.9 16.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

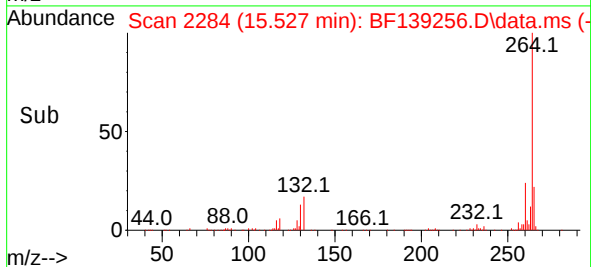
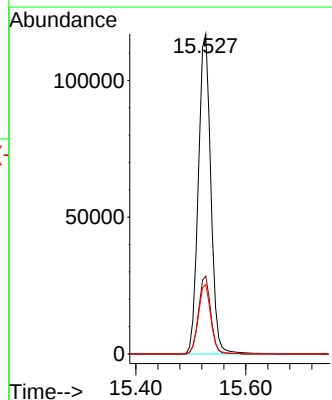
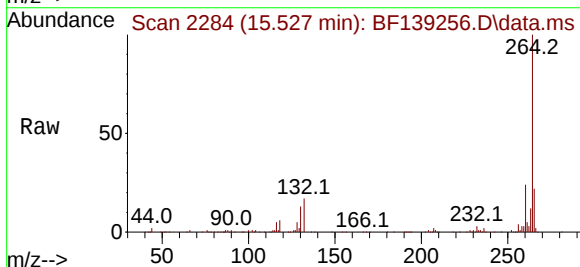
Tgt Ion:264 Resp: 184504

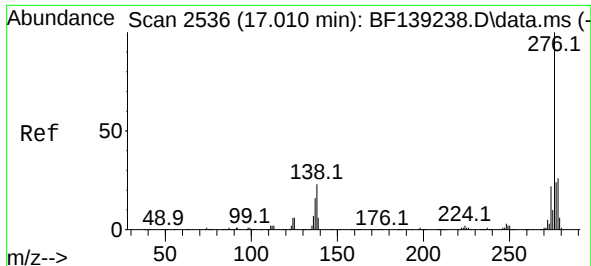
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

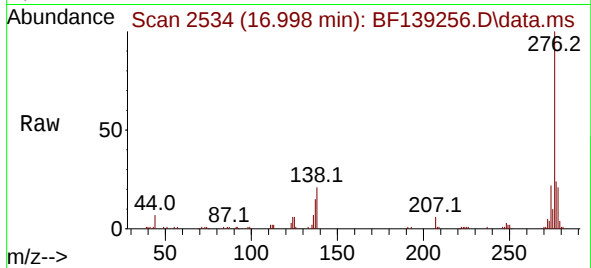
265 21.6 17.3 25.9



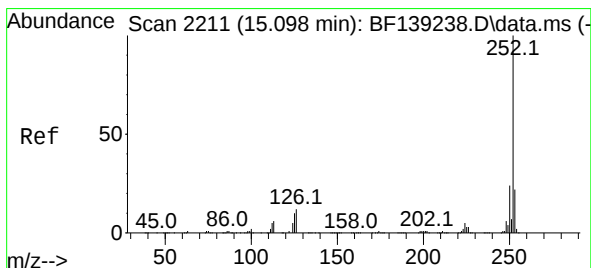
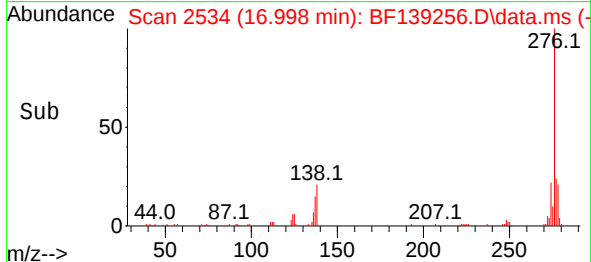
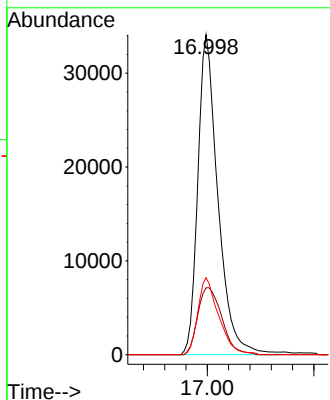


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.753 ng
 RT: 16.998 min Scan# 2110
 Delta R.T. -0.012 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

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

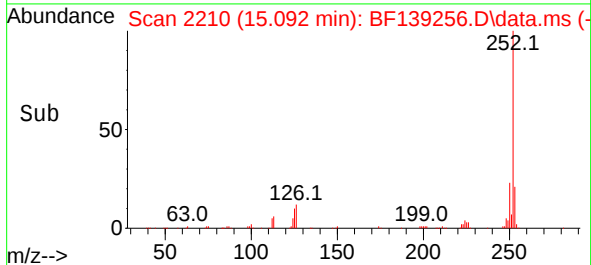
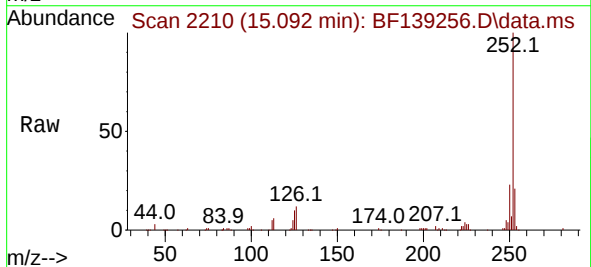
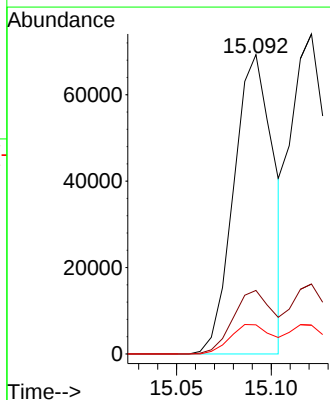


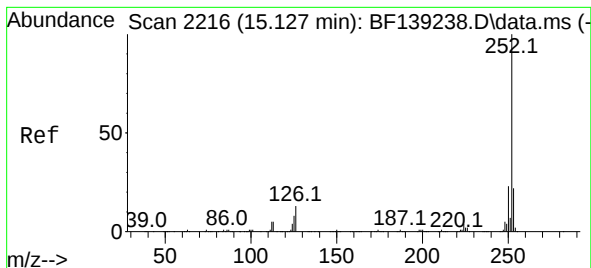
Tgt Ion:276 Resp: 89366
 Ion Ratio Lower Upper
 276 100
 138 25.1 20.4 30.6
 277 24.9 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 9.487 ng
 RT: 15.092 min Scan# 2210
 Delta R.T. -0.006 min
 Lab File: BF139256.D
 Acq: 05 Sep 2024 12:02

Tgt Ion:252 Resp: 100802
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.6 26.4
 125 9.7 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 10.841 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

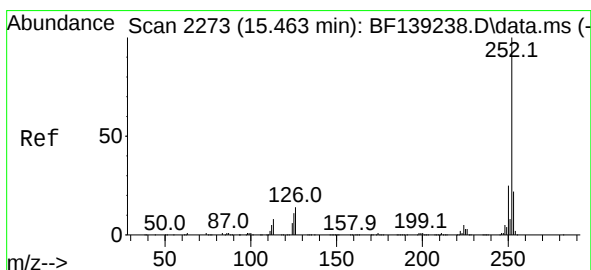
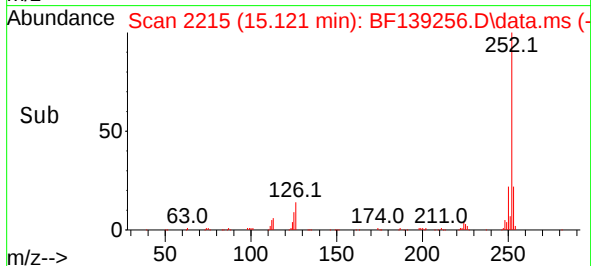
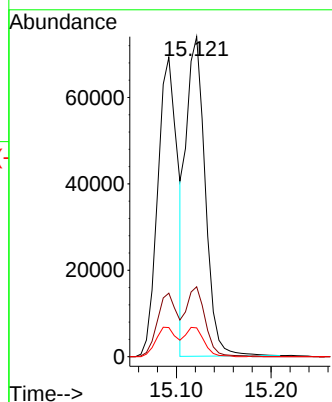
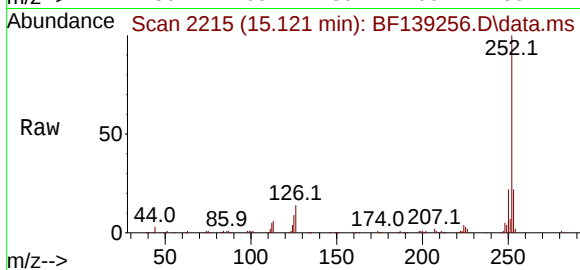
Tgt Ion:252 Resp: 103287

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 9.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 10.251 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

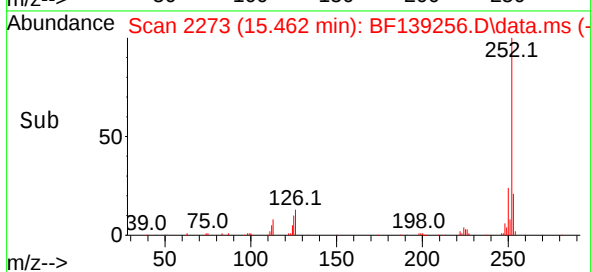
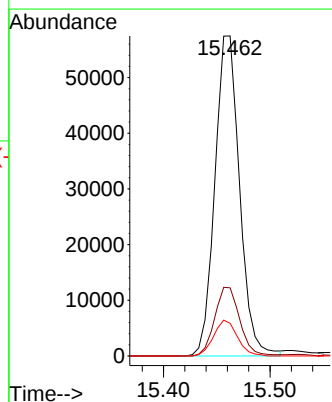
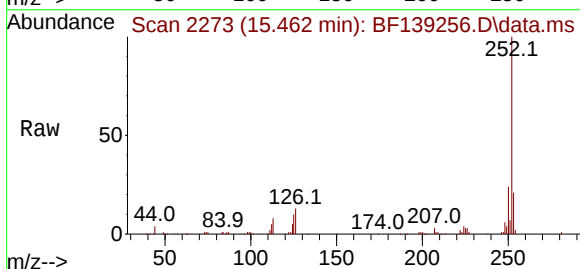
Tgt Ion:252 Resp: 92488

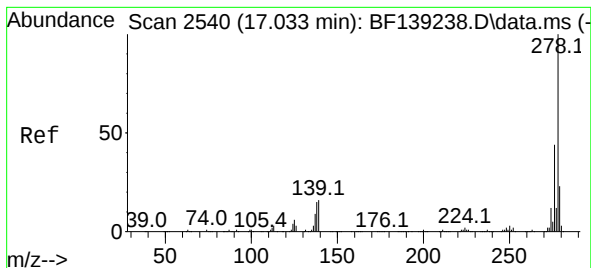
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 10.2 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 7.364 ng

RT: 17.021 min Scan# 2538

Delta R.T. -0.012 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2024

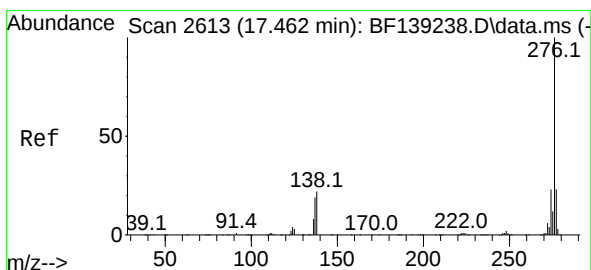
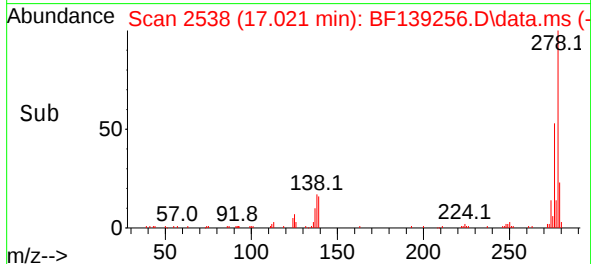
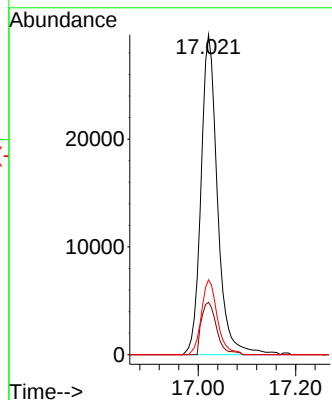
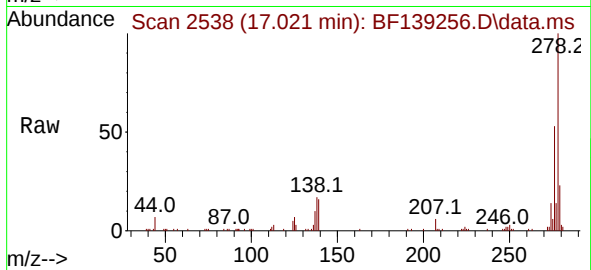
Tgt Ion:278 Resp: 69950

Ion Ratio Lower Upper

278 100

139 16.3 12.6 19.0

279 23.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 7.154 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF139256.D

Acq: 05 Sep 2024 12:02

Tgt Ion:276 Resp: 70141

Ion Ratio Lower Upper

276 100

277 22.2 18.6 27.8

138 21.0 17.4 26.0

