

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
 Data File : BF141125.D
 Acq On : 13 Jan 2025 13:52
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Jan 13 14:13:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149724	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	585776	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	318947	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	545149	20.000	ng	0.00
76) Chrysene-d12	13.986	240	364519	20.000	ng	0.00
86) Perylene-d12	15.445	264	300089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	920021	94.925	ng	0.00
7) Phenol-d6	6.440	99	1168111	95.146	ng	0.00
23) Nitrobenzene-d5	7.381	82	779169	70.509	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	367183	101.036	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1440149	68.951	ng	0.00
79) Terphenyl-d14	12.933	244	1543652	62.942	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.546	88	21367	4.951	ng	98
3) Pyridine	3.316	79	47735	4.510	ng	97
4) n-Nitrosodimethylamine	3.216	42	24803	4.793	ng	# 97
6) Aniline	6.481	93	69731	6.397	ng	98
8) 2-Chlorophenol	6.604	128	53622	5.157	ng	98
9) Benzaldehyde	6.369	77	45185	6.249	ng	98
10) Phenol	6.457	94	68518	5.214	ng	88
11) bis(2-Chloroethyl)ether	6.551	93	51471	5.255	ng	98
12) 1,3-Dichlorobenzene	6.757	146	59144	5.100	ng	97
13) 1,4-Dichlorobenzene	6.840	146	60341	5.163	ng	99
14) 1,2-Dichlorobenzene	6.992	146	56575	5.190	ng	97
15) Benzyl Alcohol	6.951	79	56390	6.360	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.092	45	71004	5.195	ng	98
17) 2-Methylphenol	7.063	107	41862	4.986	ng	98
18) Hexachloroethane	7.334	117	20971	4.962	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	37310	5.159	ng	97
20) 3+4-Methylphenols	7.216	107	54603	5.155	ng	# 79
22) Acetophenone	7.222	105	78660	5.649	ng	99
24) Nitrobenzene	7.398	77	58937	5.117	ng	99
25) Isophorone	7.634	82	98744	5.229	ng	99
26) 2-Nitrophenol	7.716	139	24872	4.748	ng	99
27) 2,4-Dimethylphenol	7.745	122	28975	4.100	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	61530	5.192	ng	98
29) 2,4-Dichlorophenol	7.951	162	42404	5.052	ng	96
30) 1,2,4-Trichlorobenzene	8.039	180	49329	5.142	ng	99
31) Naphthalene	8.122	128	164047	5.310	ng	99
32) Benzoic acid	7.792	122	21918	3.233	ng	97
33) 4-Chloroaniline	8.169	127	60803	5.691	ng	98
34) Hexachlorobutadiene	8.239	225	28973	5.012	ng	97
35) Caprolactam	8.492	113	12837	4.672	ng	92
36) 4-Chloro-3-methylphenol	8.639	107	47529	5.178	ng	98
37) 2-Methylnaphthalene	8.816	142	105480	5.358	ng	98
38) 1-Methylnaphthalene	8.910	142	96121	4.955	ng	96
40) 1,2,4,5-Tetrachloroben...	8.981	216	49357	5.392	ng	99
41) Hexachlorocyclopentadiene	8.969	237	14077	4.700	ng	96
43) 2,4,6-Trichlorophenol	9.086	196	28589	4.630	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
 Data File : BF141125.D
 Acq On : 13 Jan 2025 13:52
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 8 Sample Multiplier: 1

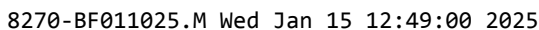
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

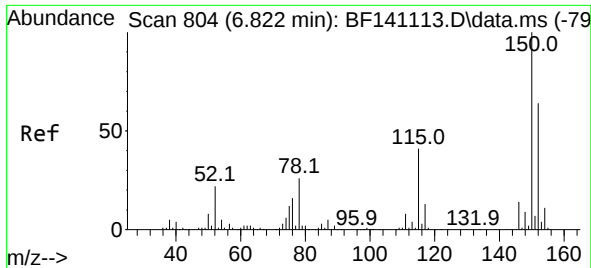
Quant Time: Jan 13 14:13:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	32123	4.926	ng	99
46) 1,1'-Biphenyl	9.281	154	139080	5.615	ng	99
47) 2-Chloronaphthalene	9.304	162	99911	5.179	ng	97
48) 2-Nitroaniline	9.392	65	27221	4.760	ng	96
49) Acenaphthylene	9.716	152	154825	5.617	ng	98
50) Dimethylphthalate	9.575	163	112844	5.270	ng	99
51) 2,6-Dinitrotoluene	9.633	165	23593	4.738	ng	94
52) Acenaphthene	9.886	154	100840	5.237	ng	99
53) 3-Nitroaniline	9.798	138	24789	4.899	ng	91
54) 2,4-Dinitrophenol	9.904	184	5549	2.345	ng	# 1
55) Dibenzofuran	10.063	168	142211	5.429	ng	99
56) 4-Nitrophenol	9.951	139	16467	4.155	ng	91
57) 2,4-Dinitrotoluene	10.033	165	30608	4.770	ng	96
58) Fluorene	10.404	166	112350	5.521	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	26550	4.899	ng	97
60) Diethylphthalate	10.275	149	108677	5.199	ng	100
61) 4-Chlorophenyl-phenyle...	10.398	204	53506	5.395	ng	100
62) 4-Nitroaniline	10.404	138	22949	4.634	ng	96
63) Azobenzene	10.557	77	106120	5.145	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	10752	3.404	ng	92
66) n-Nitrosodiphenylamine	10.516	169	94264	5.361	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	32423	5.166	ng	97
68) Hexachlorobenzene	10.951	284	37418	5.356	ng	98
69) Atrazine	11.039	200	30315	6.403	ng	97
70) Pentachlorophenol	11.145	266	18588	4.154	ng	99
71) Phenanthrene	11.369	178	164457	5.619	ng	98
72) Anthracene	11.416	178	157326	5.528	ng	99
73) Carbazole	11.569	167	139903	5.361	ng	98
74) Di-n-butylphthalate	11.910	149	161938	5.423	ng	99
75) Fluoranthene	12.557	202	158066	5.412	ng	98
77) Benzidine	12.680	184	42429	6.277	ng	97
78) Pyrene	12.780	202	168226	4.832	ng	98
80) Butylbenzylphthalate	13.410	149	51606	4.446	ng	97
81) Benzo(a)anthracene	13.974	228	127010	5.120	ng	97
82) 3,3'-Dichlorobenzidine	13.939	252	36035	4.562	ng	100
83) Chrysene	14.010	228	115003	4.954	ng	98
84) Bis(2-ethylhexyl)phtha...	13.974	149	65431	4.698	ng	100
85) Di-n-octyl phthalate	14.586	149	87965	4.182	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	102259	4.651	ng	98
88) Benzo(b)fluoranthene	15.015	252	101340	5.237	ng	99
89) Benzo(k)fluoranthene	15.045	252	87638	5.359	ng	99
90) Benzo(a)pyrene	15.380	252	84039	5.264	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	81430	4.579	ng	98
92) Benzo(g,h,i)perylene	17.321	276	80186	4.335	ng	99

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

Quant Time: Jan 13 14:13:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

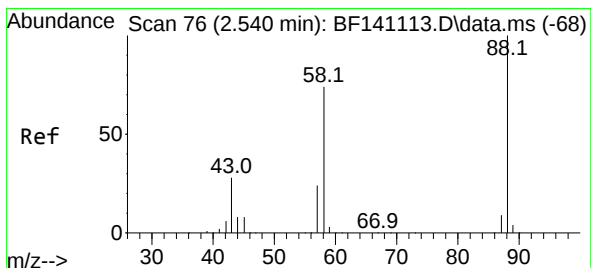
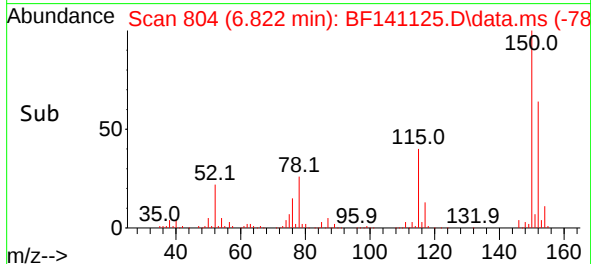
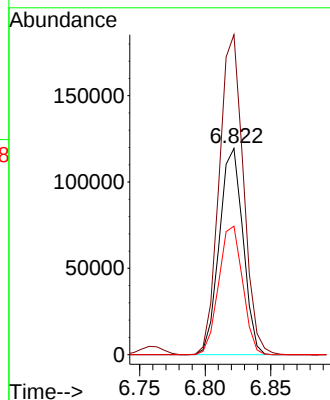
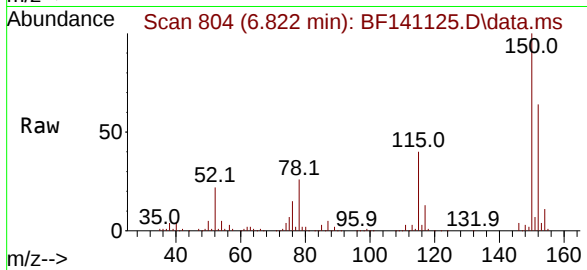




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

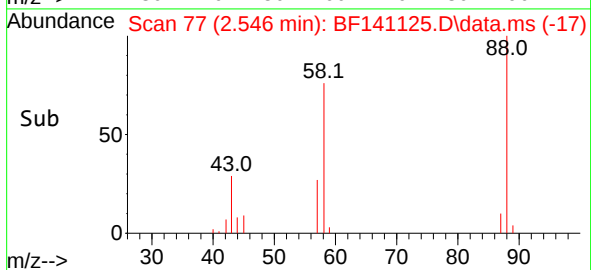
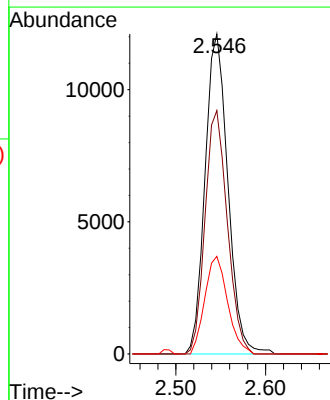
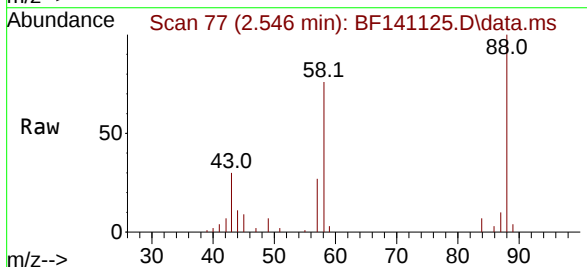
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

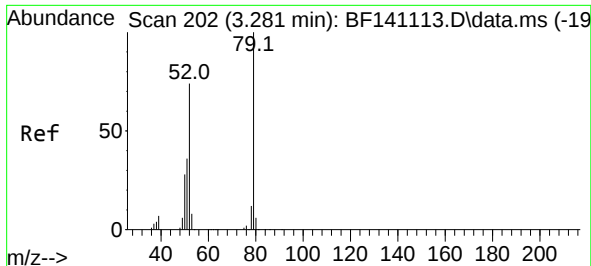
Tgt Ion:152 Resp: 149724
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.8 188.8
 115 62.3 51.4 77.2



#2
 1,4-Dioxane
 Concen: 4.951 ng
 RT: 2.546 min Scan# 77
 Delta R.T. 0.006 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

Tgt Ion: 88 Resp: 21367
 Ion Ratio Lower Upper
 88 100
 58 74.1 60.1 90.1
 43 30.6 23.1 34.7





#3

Pyridine

Concen: 4.510 ng

RT: 3.316 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

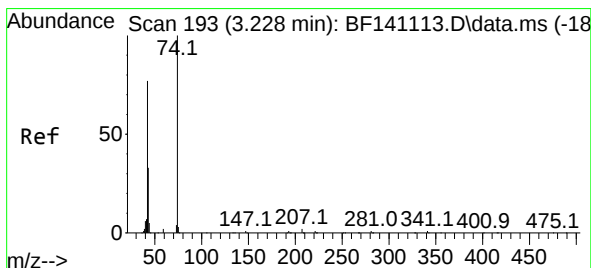
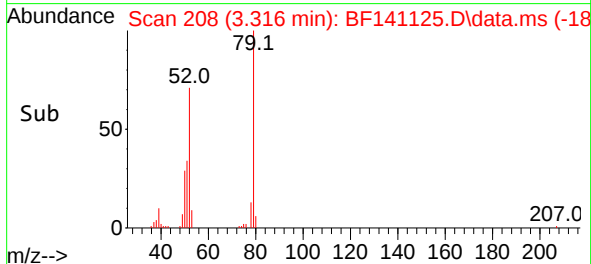
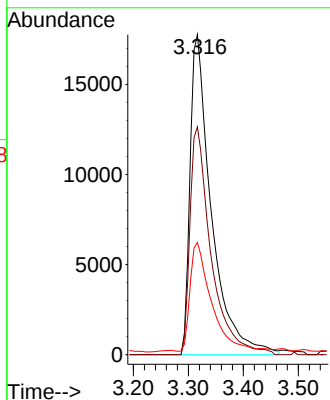
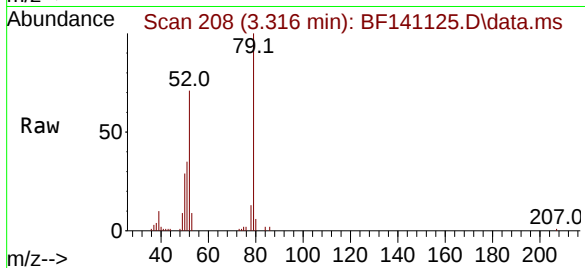
Tgt Ion: 79 Resp: 47735

Ion Ratio Lower Upper

79 100

52 71.2 58.9 88.3

51 35.0 29.1 43.7



#4

n-Nitrosodimethylamine

Concen: 4.793 ng

RT: 3.216 min Scan# 191

Delta R.T. -0.012 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

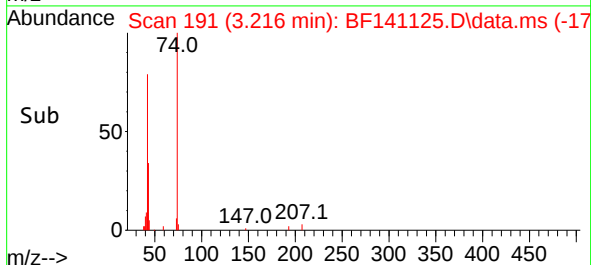
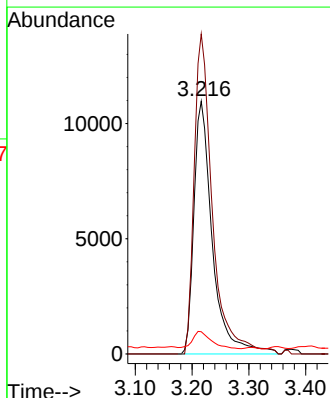
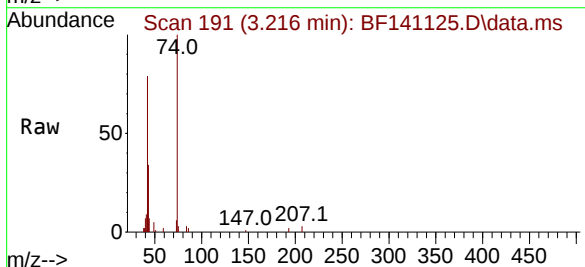
Tgt Ion: 42 Resp: 24803

Ion Ratio Lower Upper

42 100

74 126.6 103.8 155.6

44 8.8 5.3 7.9#

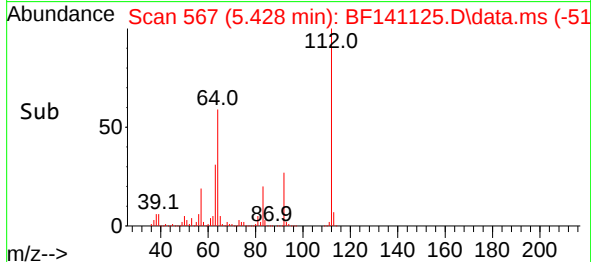
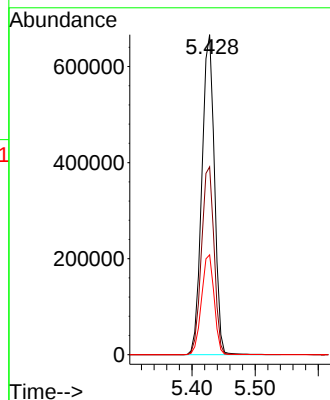
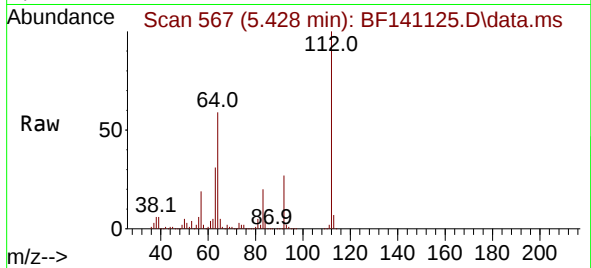




#5
2-Fluorophenol
Concen: 94.925 ng
RT: 5.428 min Scan# 509
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

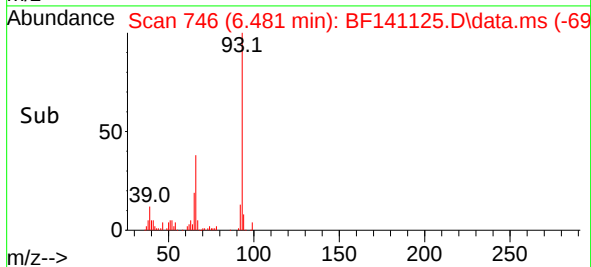
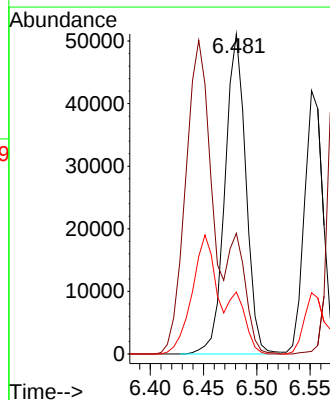
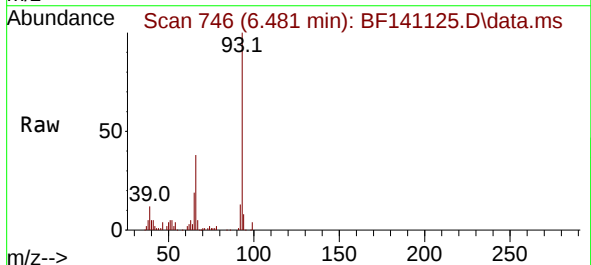
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:112 Resp: 920021
Ion Ratio Lower Upper
112 100
64 58.7 47.3 70.9
63 31.2 24.2 36.2



#6
Aniline
Concen: 6.397 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion: 93 Resp: 69731
Ion Ratio Lower Upper
93 100
66 37.7 31.5 47.3
65 19.4 15.3 22.9





#7

Phenol-d6

Concen: 95.146 ng

RT: 6.440 min Scan# 711

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

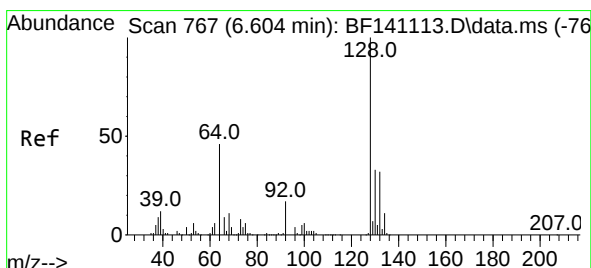
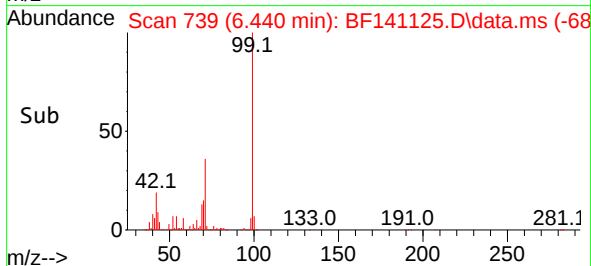
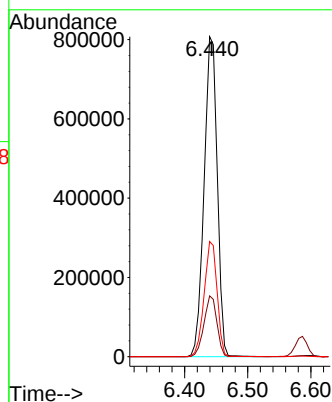
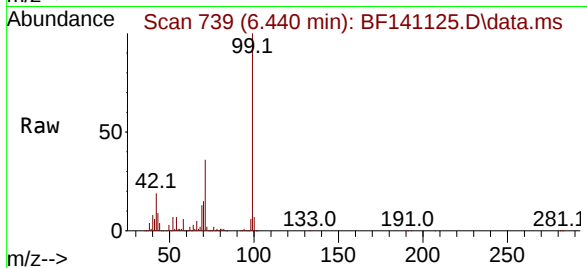
Tgt Ion: 99 Resp: 1168111

Ion Ratio Lower Upper

99 100

42 19.0 15.0 22.4

71 36.0 27.6 41.4



#8

2-Chlorophenol

Concen: 5.157 ng

RT: 6.604 min Scan# 767

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

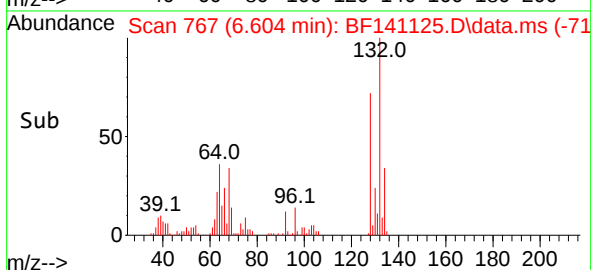
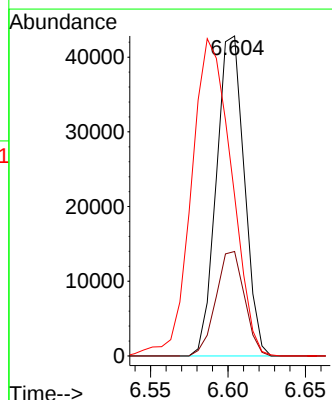
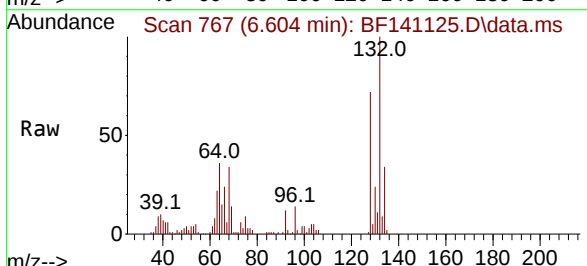
Tgt Ion:128 Resp: 53622

Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

64 50.1 28.3 68.3





#9

Benzaldehyde

Concen: 6.249 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

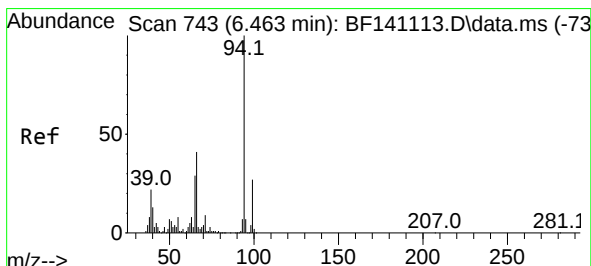
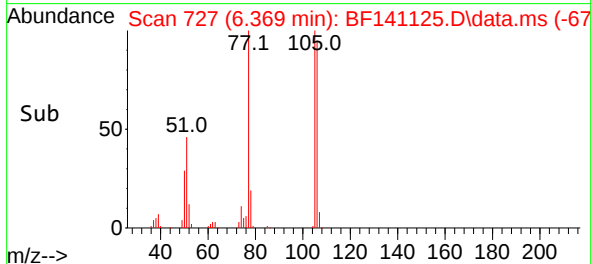
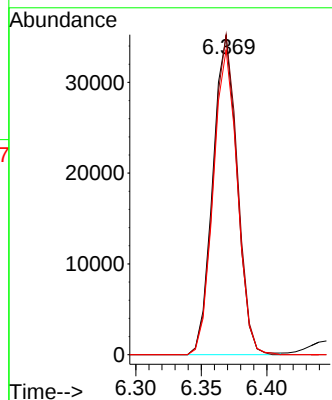
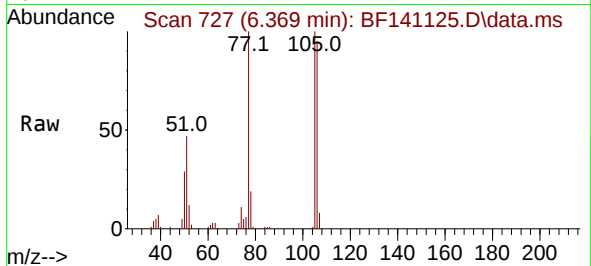
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:	77	Resp:	45185
Ion	Ratio	Lower	Upper
77	100		
105	100.5	78.9	118.9
106	95.8	73.6	113.6



#10

Phenol

Concen: 5.214 ng

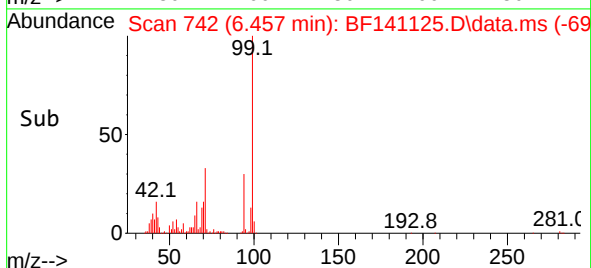
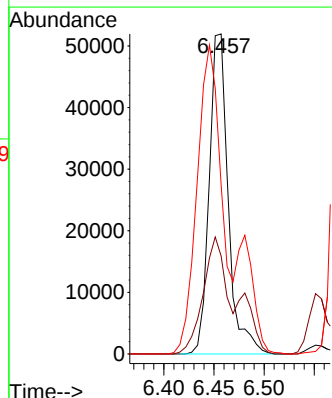
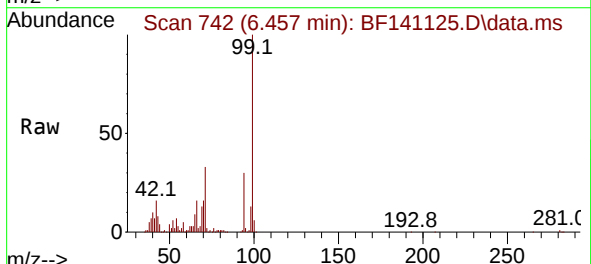
RT: 6.457 min Scan# 742

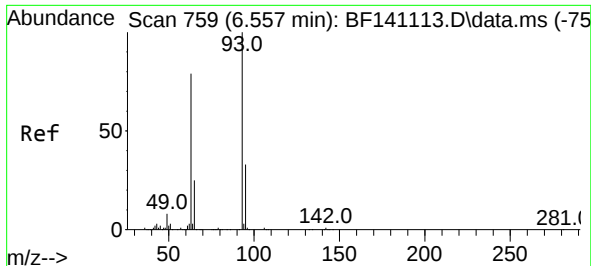
Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Tgt Ion:	94	Resp:	68518
Ion	Ratio	Lower	Upper
94	100		
65	30.6	8.9	48.9
66	52.7	21.2	61.2





#11

bis(2-Chloroethyl)ether

Concen: 5.255 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

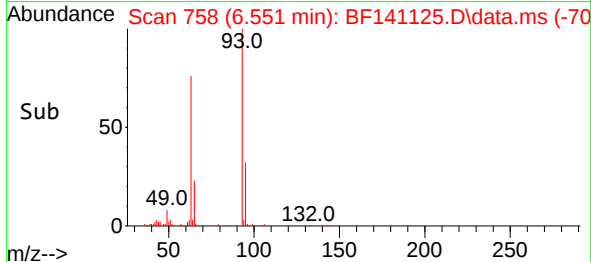
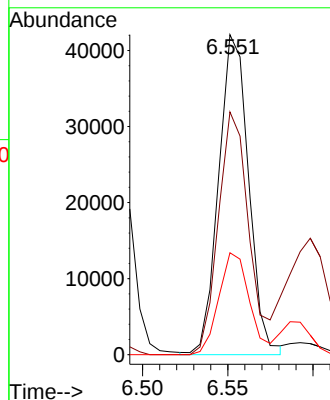
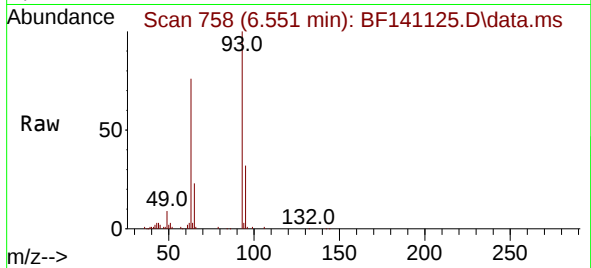
Tgt Ion: 93 Resp: 51471

Ion Ratio Lower Upper

93 100

63 75.9 58.0 98.0

95 31.8 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 5.100 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

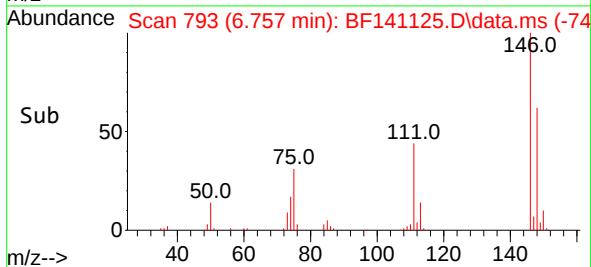
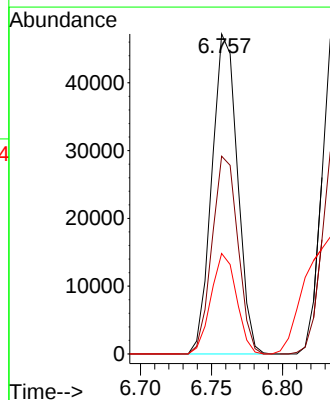
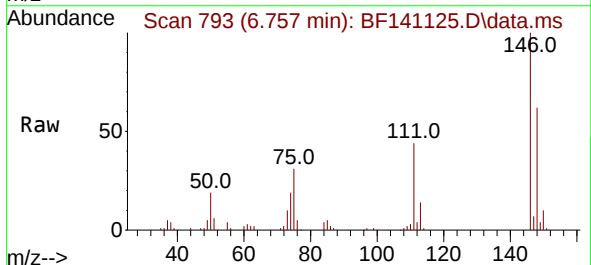
Tgt Ion:146 Resp: 59144

Ion Ratio Lower Upper

146 100

148 61.8 51.6 77.4

75 31.4 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 5.163 ng

RT: 6.840 min Scan# 807

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

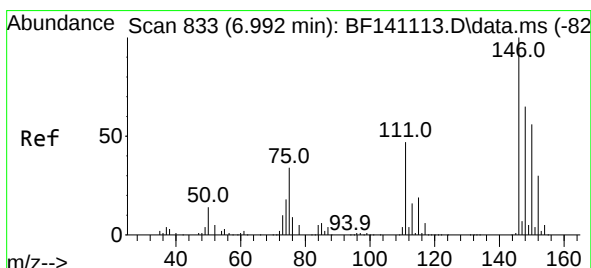
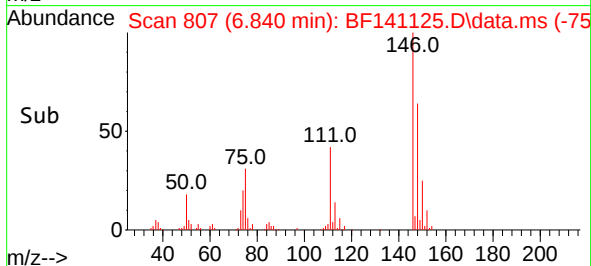
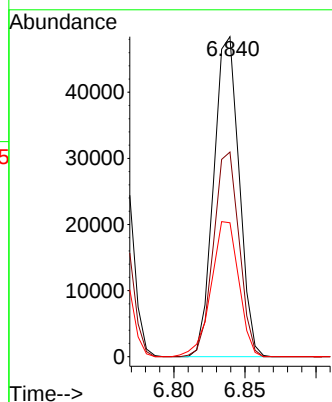
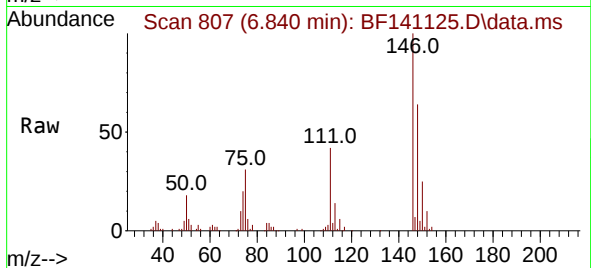
Tgt Ion:146 Resp: 60341

Ion Ratio Lower Upper

146 100

148 64.0 51.0 76.6

111 41.8 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 5.190 ng

RT: 6.992 min Scan# 833

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

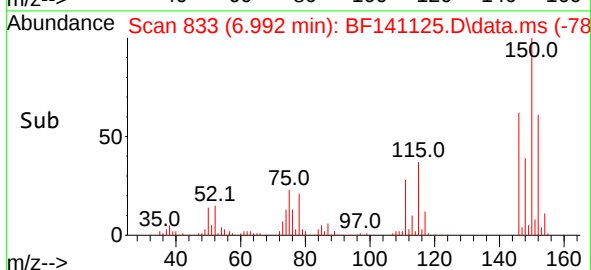
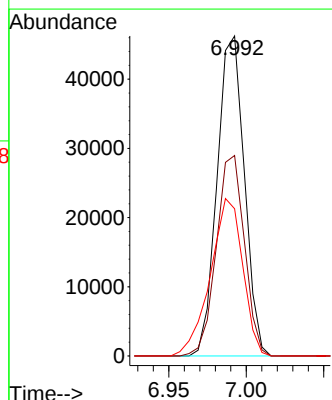
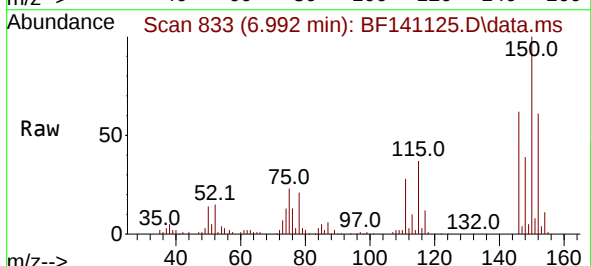
Tgt Ion:146 Resp: 56575

Ion Ratio Lower Upper

146 100

148 62.7 52.2 78.4

111 46.0 37.5 56.3

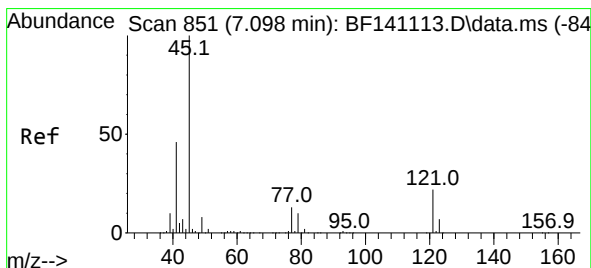
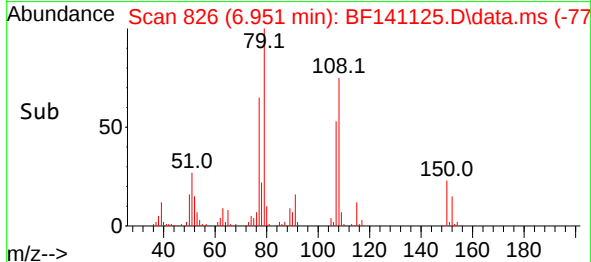
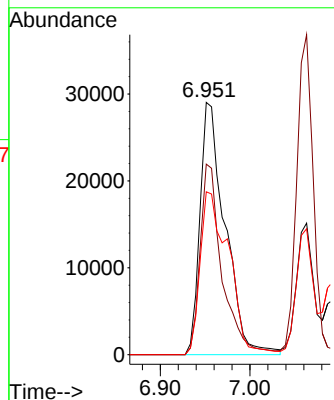
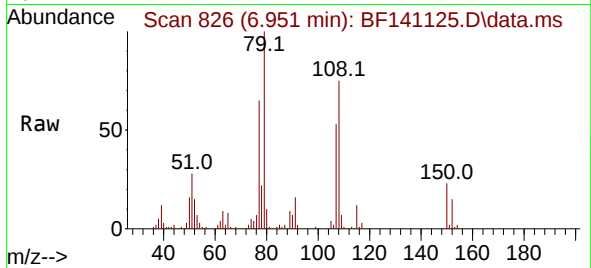




#15
Benzyl Alcohol
Concen: 6.360 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

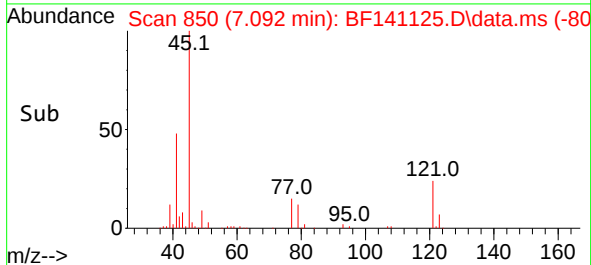
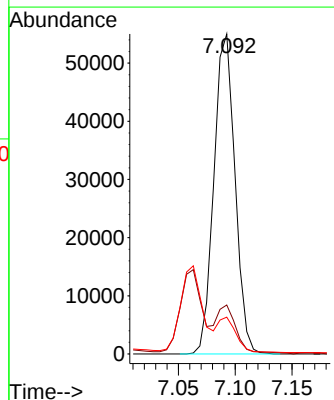
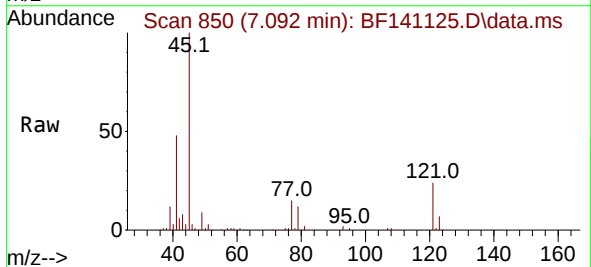
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

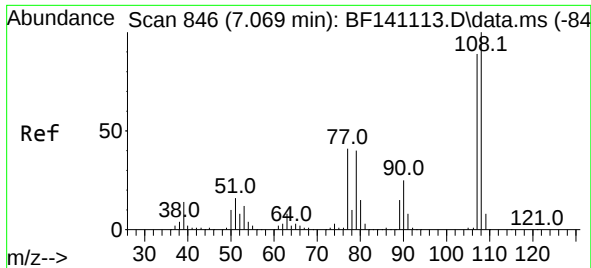
Tgt Ion: 79 Resp: 56390
Ion Ratio Lower Upper
79 100
108 75.5 61.4 92.0
77 64.6 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.195 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion: 45 Resp: 71004
Ion Ratio Lower Upper
45 100
77 15.3 0.0 34.1
79 11.5 0.0 31.0

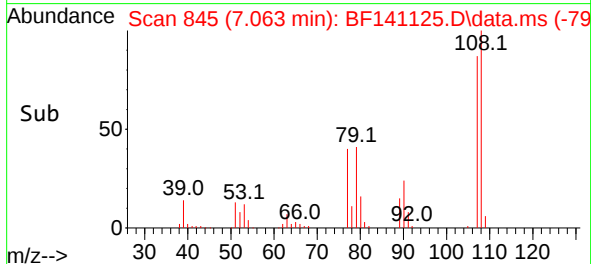
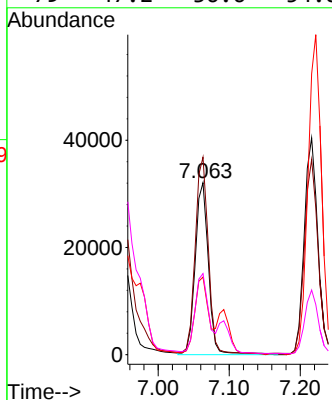
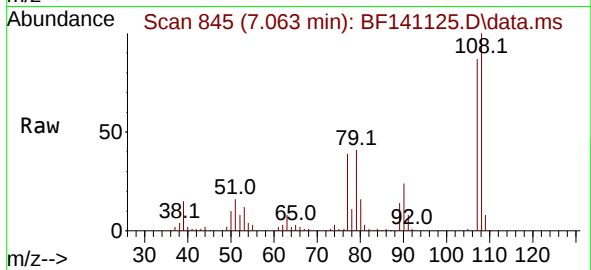




#17
2-Methylphenol
Concen: 4.986 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

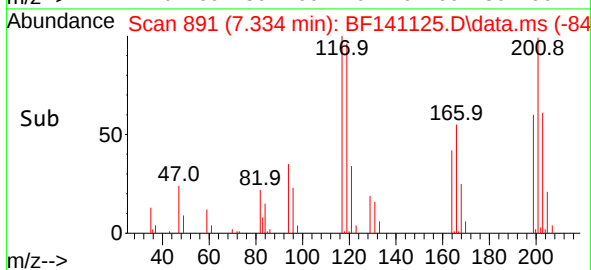
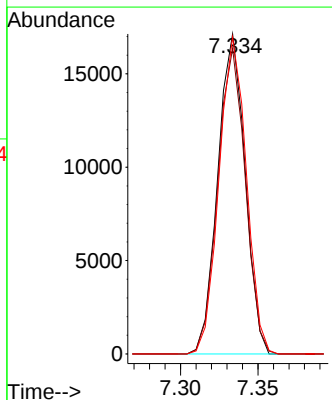
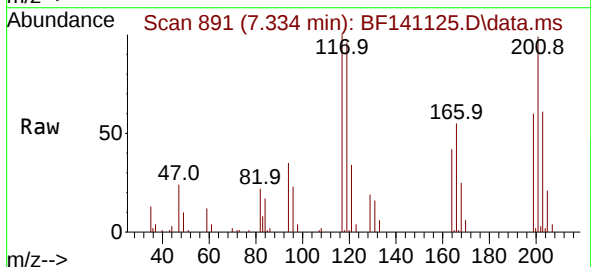
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:	107	Resp:	41862
Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.1	135.1
77	45.2	36.6	55.0
79	47.2	36.6	54.8



#18
Hexachloroethane
Concen: 4.962 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:	117	Resp:	20971
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.6	116.4
201	99.1	75.1	112.7

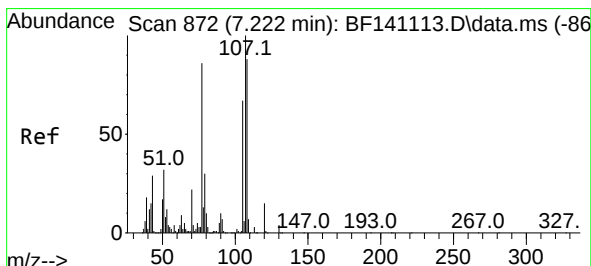
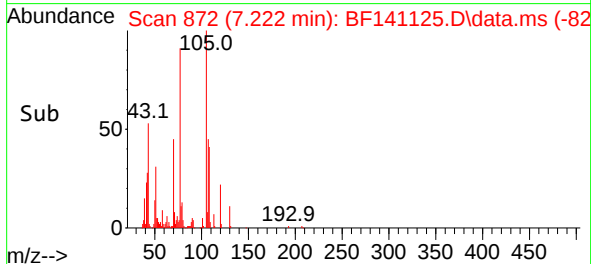
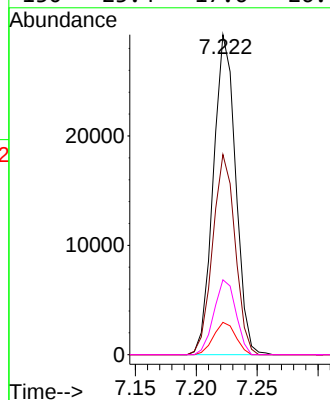
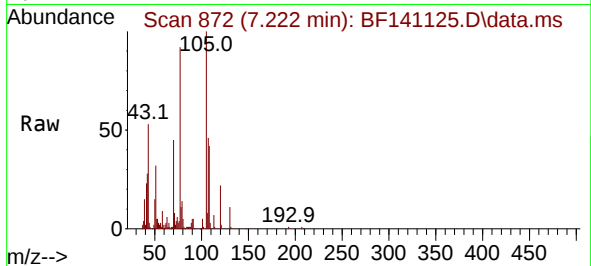




#19
n-Nitroso-di-n-propylamine
Concen: 5.159 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

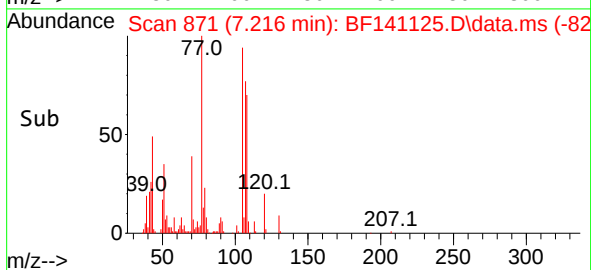
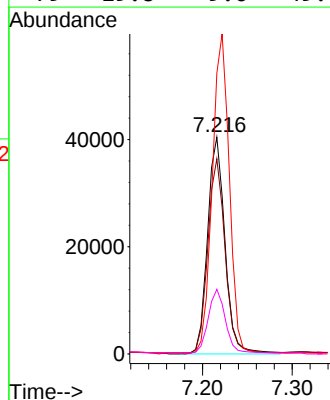
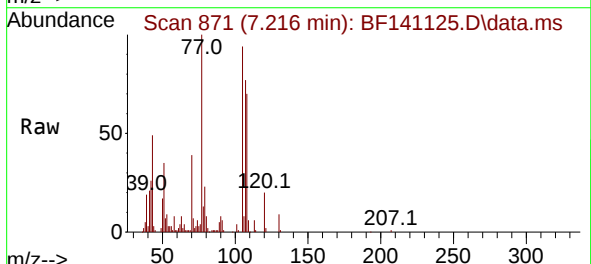
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

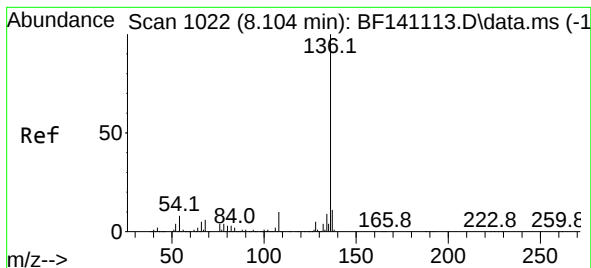
Tgt Ion: 70	Resp: 37310
Ion Ratio	Lower Upper
70 100	
42 62.5	47.8 71.6
101 10.1	7.9 11.9
130 23.4	17.6 26.4



#20
3+4-Methylphenols
Concen: 5.155 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt	Ion:107	Resp:	54603
Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.3	108.3
77	129.6	66.4	106.4#
79	29.8	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141125.D

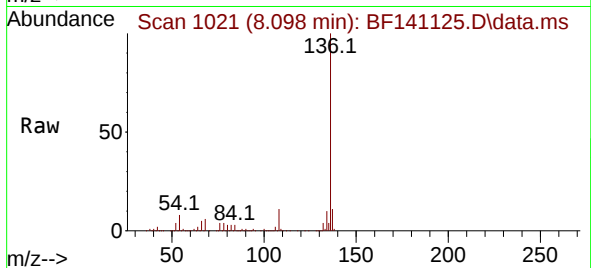
Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:136 Resp: 585776

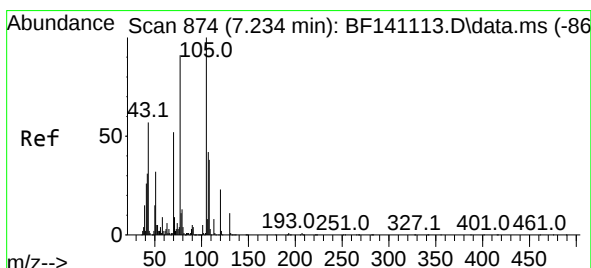
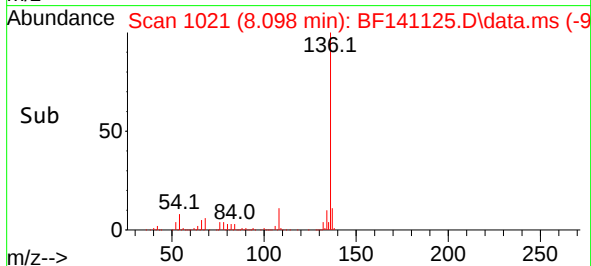
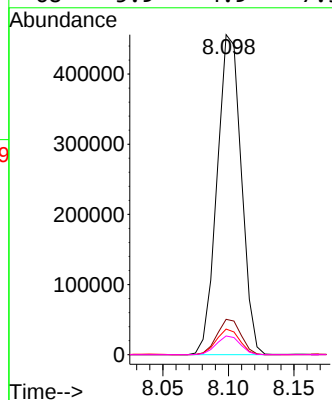
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.0 6.3 9.5

68 5.9 4.9 7.3



#22

Acetophenone

Concen: 5.649 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Tgt Ion:105 Resp: 78660

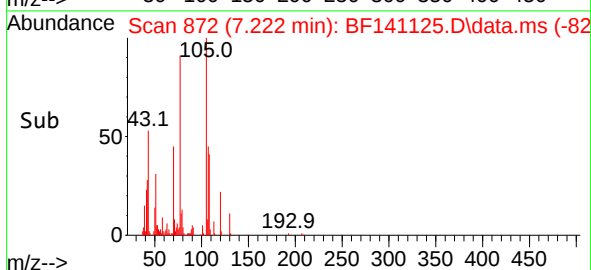
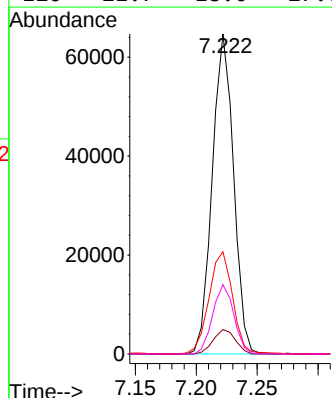
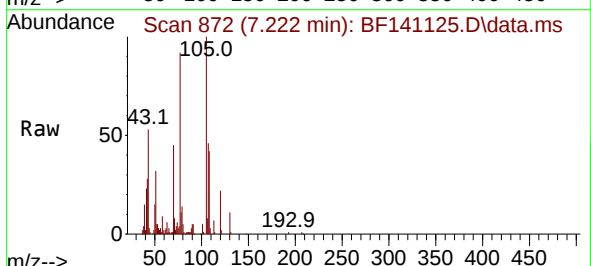
Ion Ratio Lower Upper

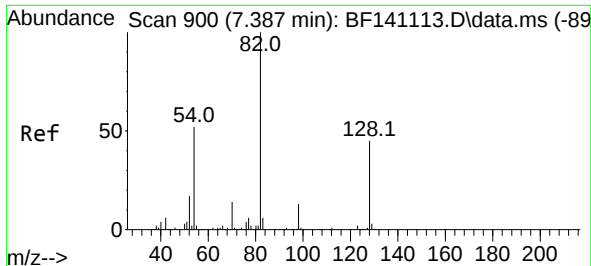
105 100

71 7.7 7.1 10.7

51 32.0 25.4 38.2

120 21.7 18.0 27.0





#23

Nitrobenzene-d5

Concen: 70.509 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

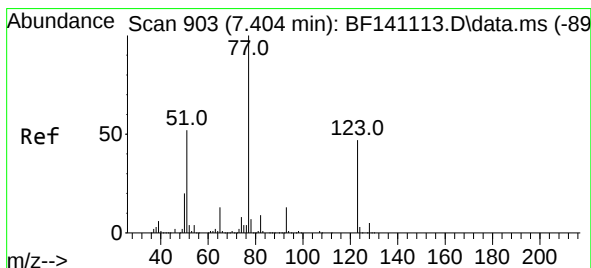
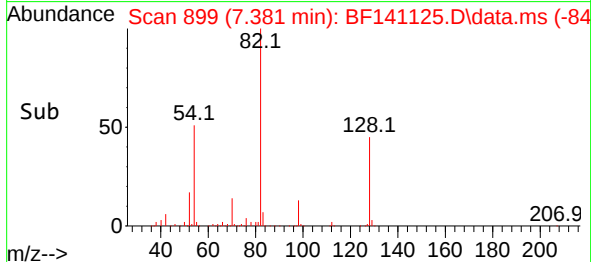
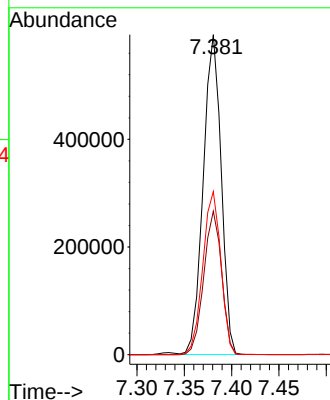
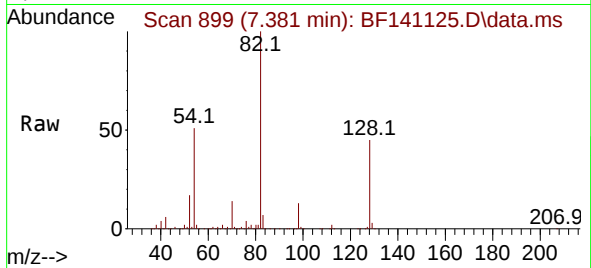
Tgt Ion: 82 Resp: 779169

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

54 51.0 41.0 61.4



#24

Nitrobenzene

Concen: 5.117 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

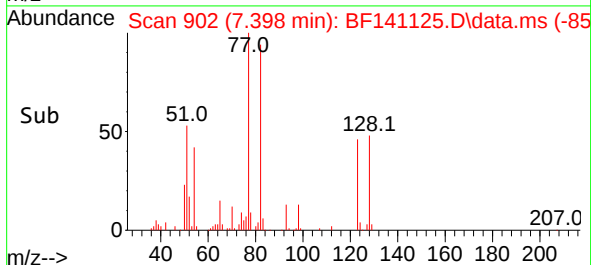
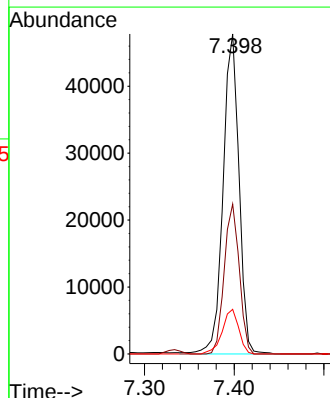
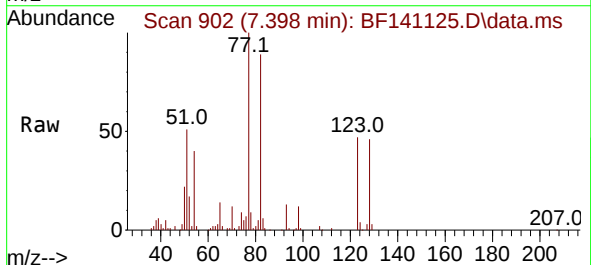
Tgt Ion: 77 Resp: 58937

Ion Ratio Lower Upper

77 100

123 46.9 37.7 56.5

65 13.9 10.6 16.0

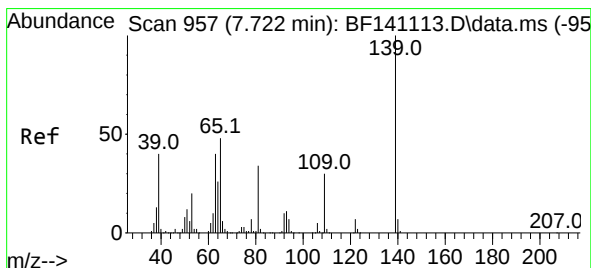
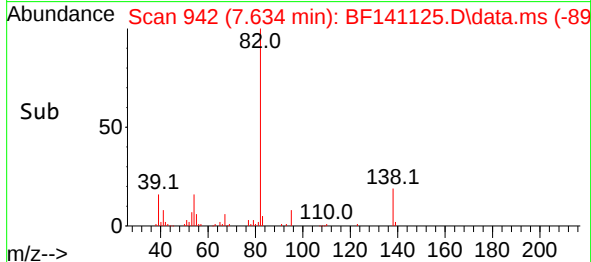
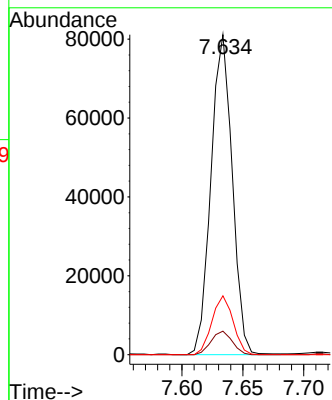
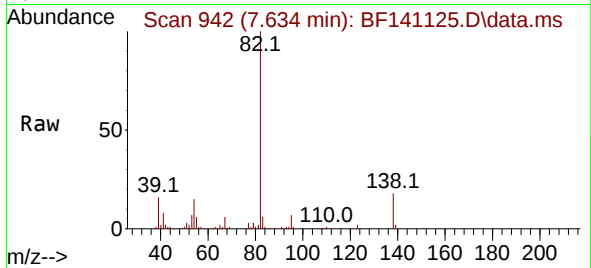




#25
Isophorone
Concen: 5.229 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

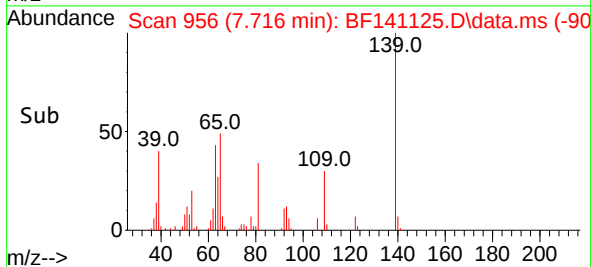
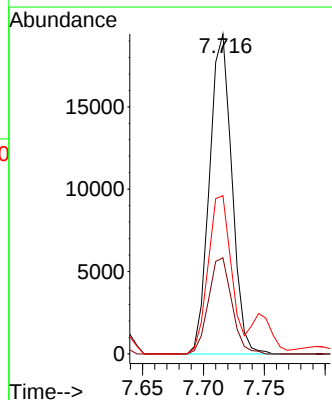
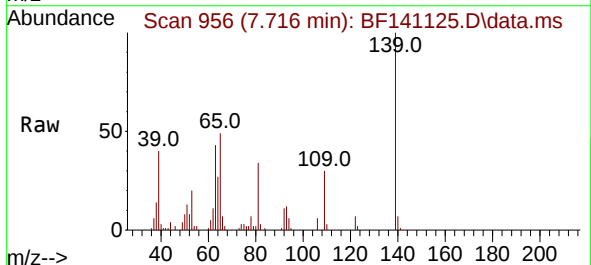
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion: 82 Resp: 98744
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 18.4 14.2 21.2



#26
2-Nitrophenol
Concen: 4.748 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:139 Resp: 24872
Ion Ratio Lower Upper
139 100
109 30.0 23.8 35.6
65 49.5 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 4.100 ng

RT: 7.745 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

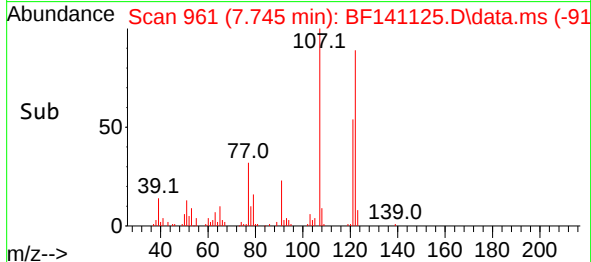
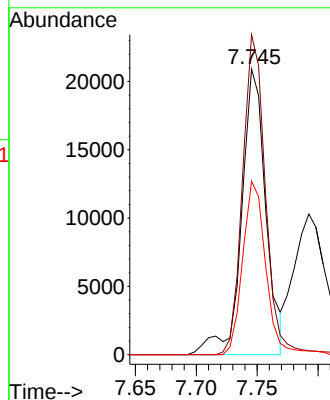
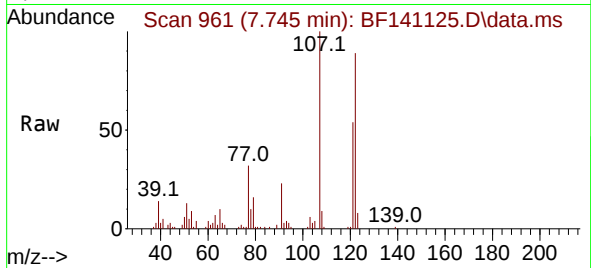
Tgt Ion:122 Resp: 28975

Ion Ratio Lower Upper

122 100

107 112.0 90.3 135.5

121 60.7 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 5.192 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

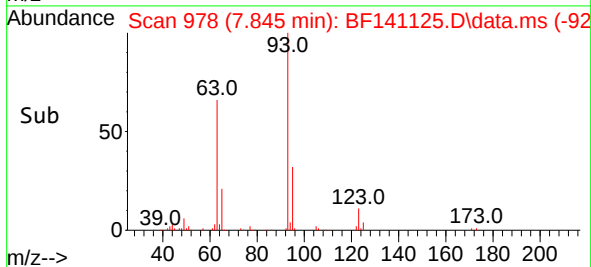
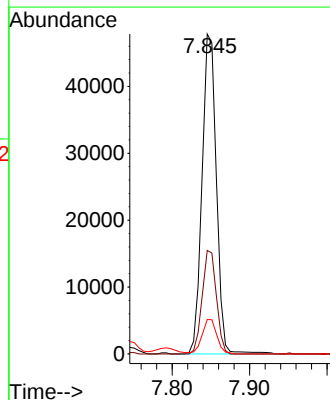
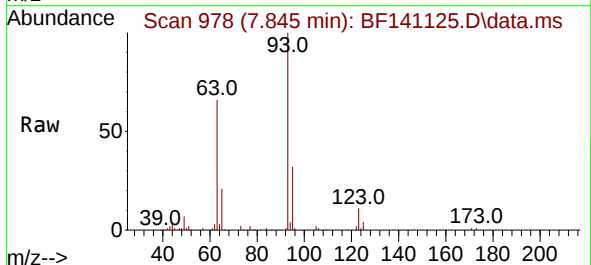
Tgt Ion: 93 Resp: 61530

Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 10.8 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 5.052 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

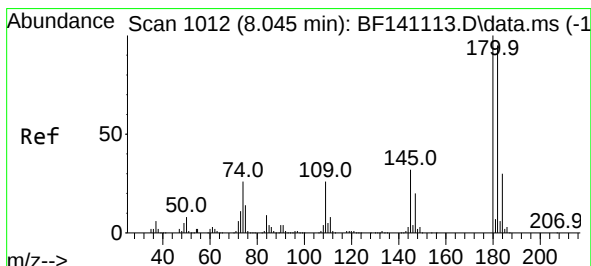
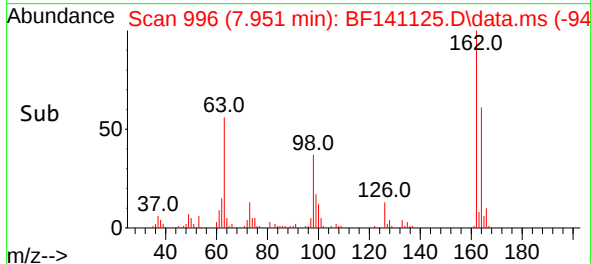
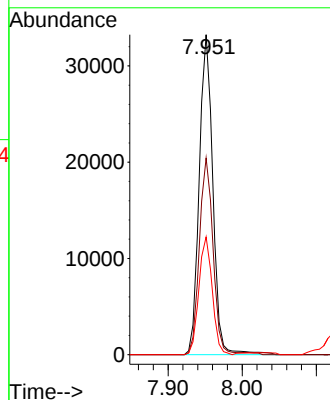
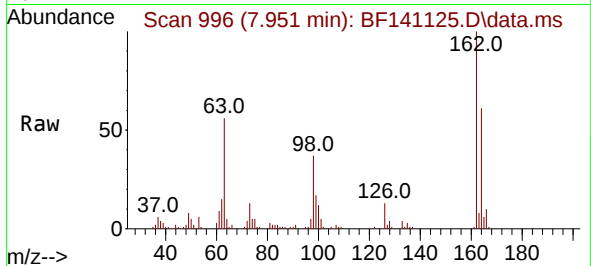
Tgt Ion:162 Resp: 42404

Ion Ratio Lower Upper

162 100

164 61.4 44.5 84.5

98 36.8 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 5.142 ng

RT: 8.039 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

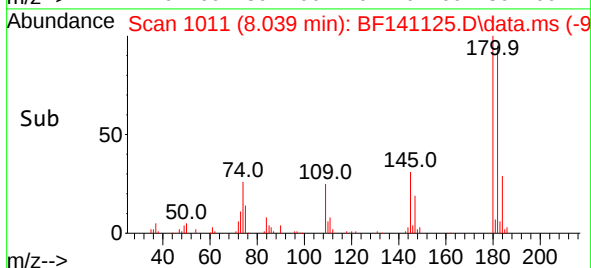
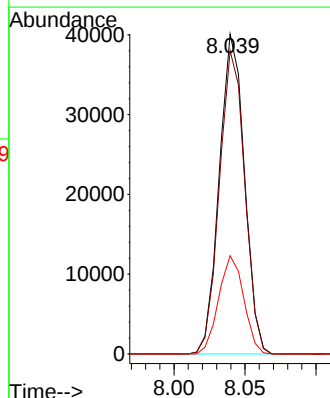
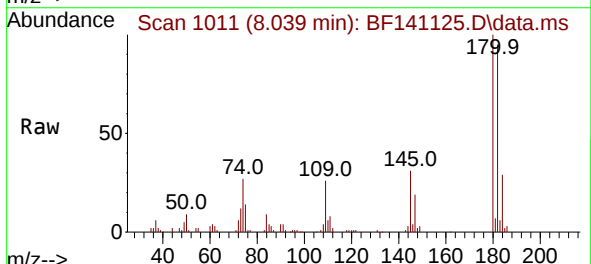
Tgt Ion:180 Resp: 49329

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

145 30.7 25.3 37.9

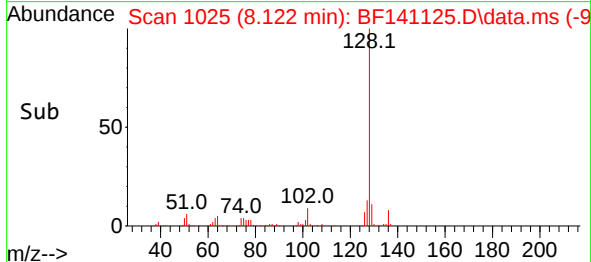
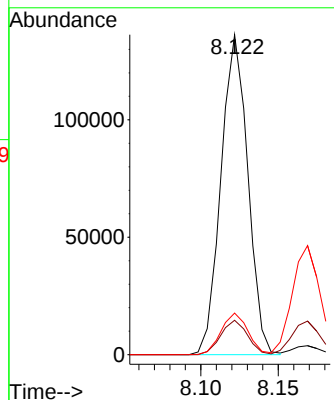
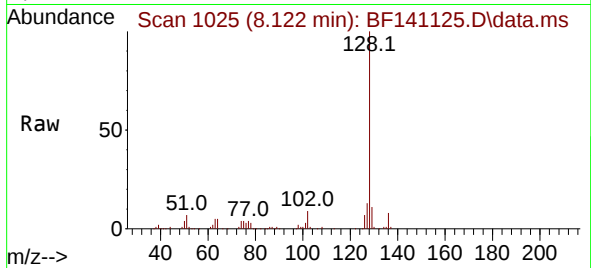




#31
Naphthalene
Concen: 5.310 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

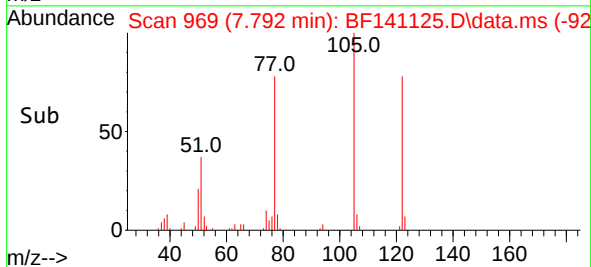
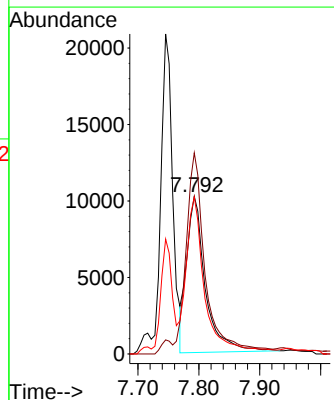
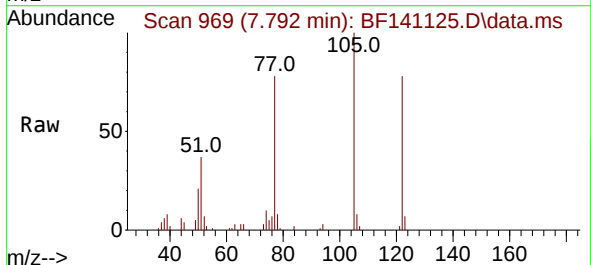
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:128 Resp: 164047
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.0 10.8 16.2



#32
Benzoic acid
Concen: 3.233 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.065 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:122 Resp: 21918
Ion Ratio Lower Upper
122 100
105 127.7 105.5 145.5
77 99.7 75.1 115.1





#33

4-Chloroaniline

Concen: 5.691 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 60803

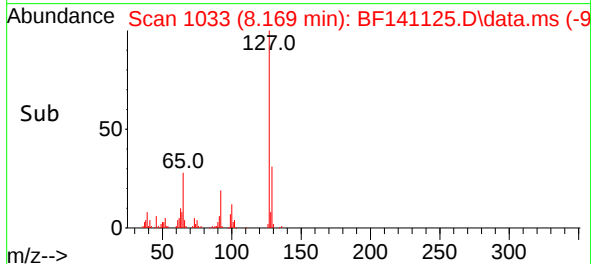
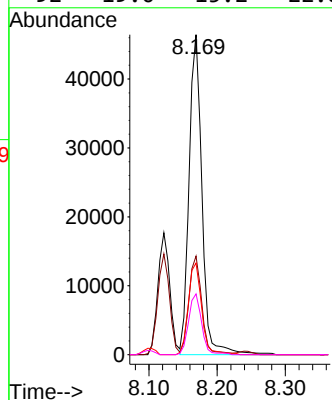
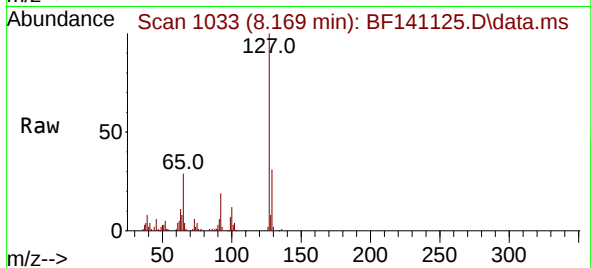
Ion Ratio Lower Upper

127 100

129 30.8 25.9 38.9

65 28.7 23.8 35.8

92 19.0 15.2 22.8



#34

Hexachlorobutadiene

Concen: 5.012 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

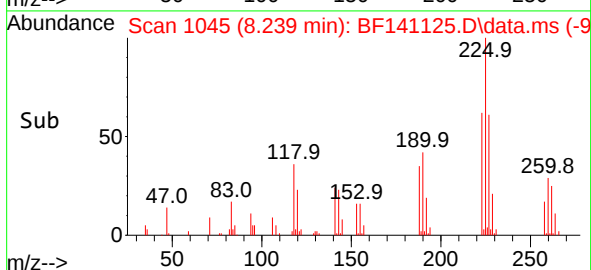
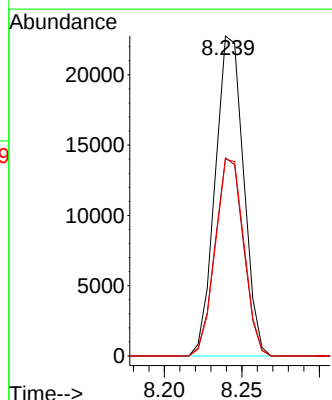
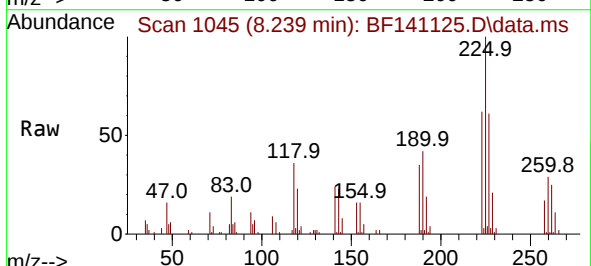
Tgt Ion:225 Resp: 28973

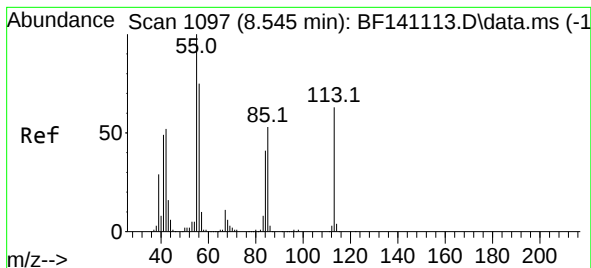
Ion Ratio Lower Upper

225 100

223 61.9 50.6 76.0

227 61.5 51.6 77.4





#35

Caprolactam

Concen: 4.672 ng

RT: 8.492 min Scan# 1108

Delta R.T. -0.053 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

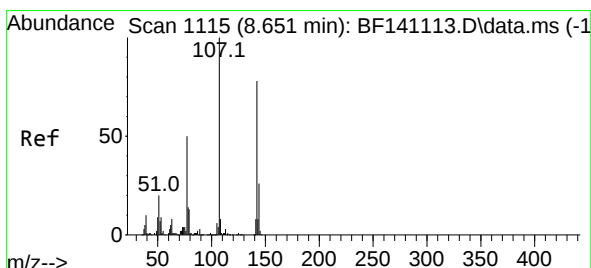
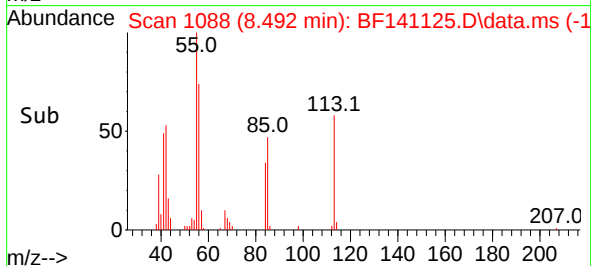
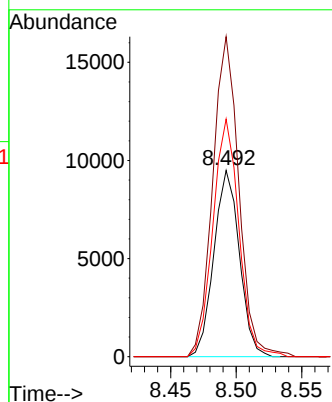
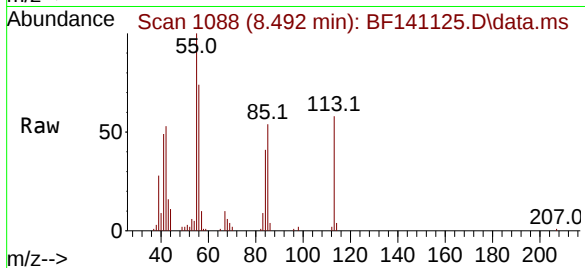
Tgt Ion:113 Resp: 12837

Ion Ratio Lower Upper

113 100

55 171.8 139.7 179.7

56 127.5 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 5.178 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.012 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

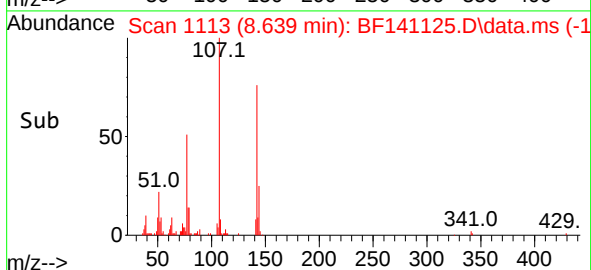
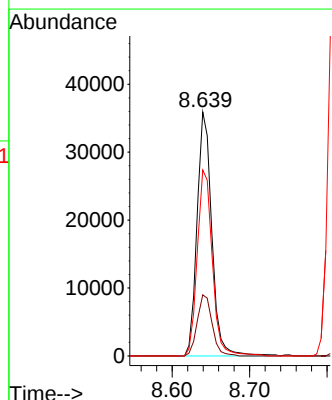
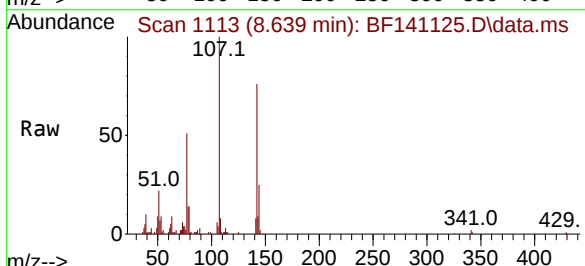
Tgt Ion:107 Resp: 47529

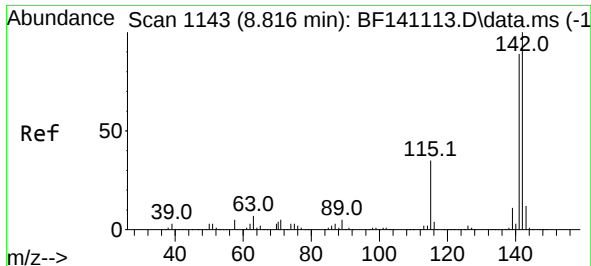
Ion Ratio Lower Upper

107 100

144 25.1 20.4 30.6

142 76.2 62.2 93.2





#37

2-Methylnaphthalene

Concen: 5.358 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

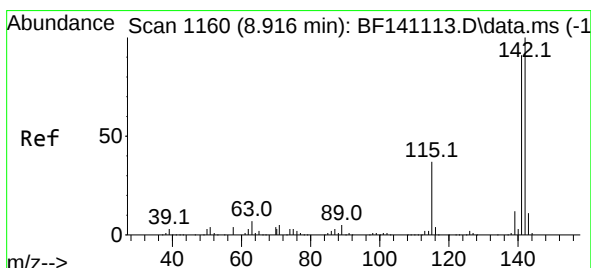
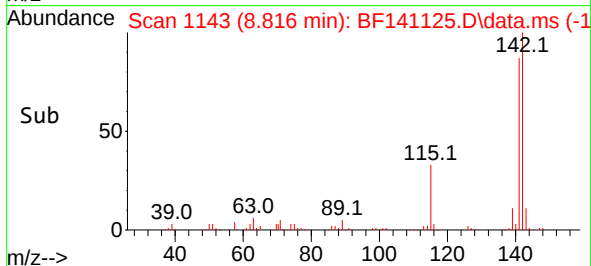
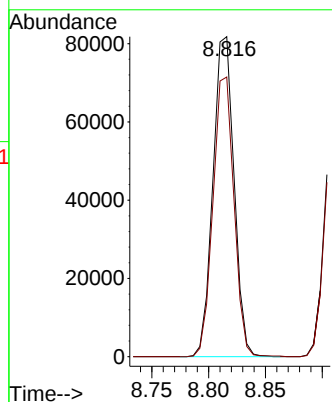
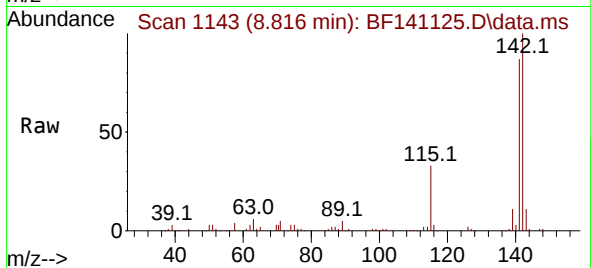
LOQ-SOIL-02-QT1-2024

Tgt Ion:142 Resp: 105480

Ion Ratio Lower Upper

142 100

141 87.4 71.3 106.9



#38

1-Methylnaphthalene

Concen: 4.955 ng

RT: 8.910 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF141125.D

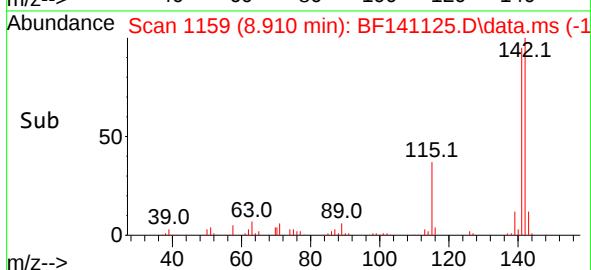
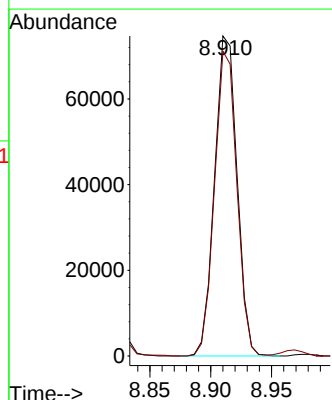
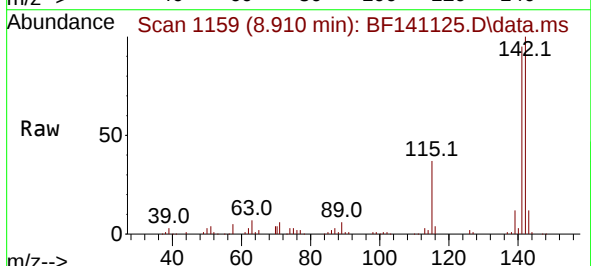
Acq: 13 Jan 2025 13:52

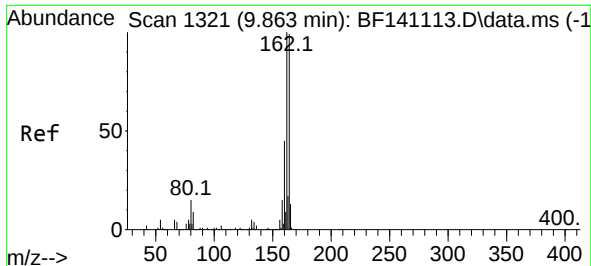
Tgt Ion:142 Resp: 96121

Ion Ratio Lower Upper

142 100

141 95.2 73.1 109.7

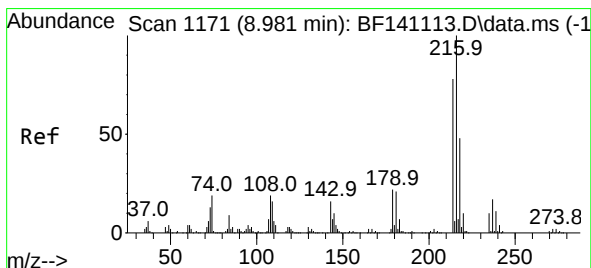
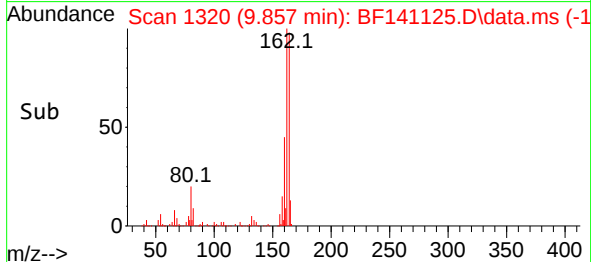
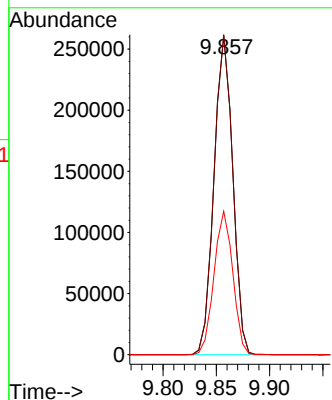
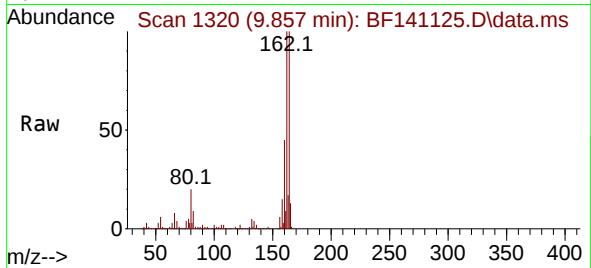




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

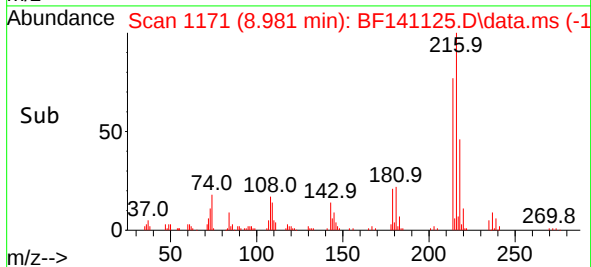
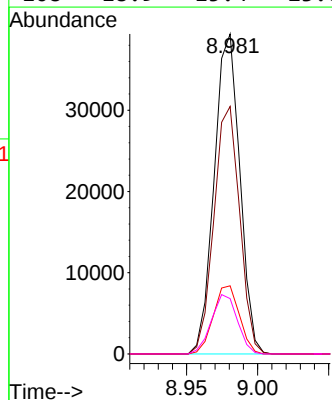
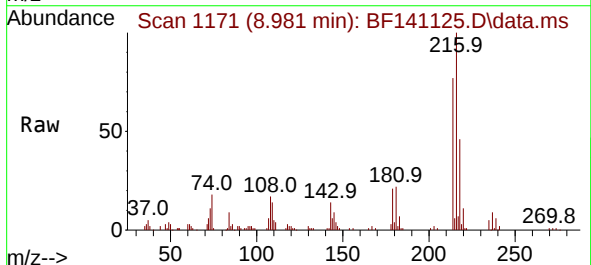
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:164 Resp: 318947
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 45.0 36.1 54.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.392 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:216 Resp: 49357
Ion Ratio Lower Upper
216 100
214 77.6 62.6 94.0
179 21.7 17.7 26.5
108 18.9 15.4 23.0

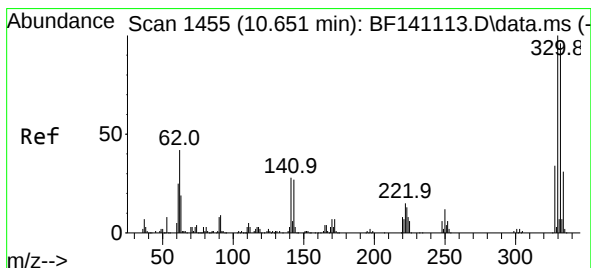
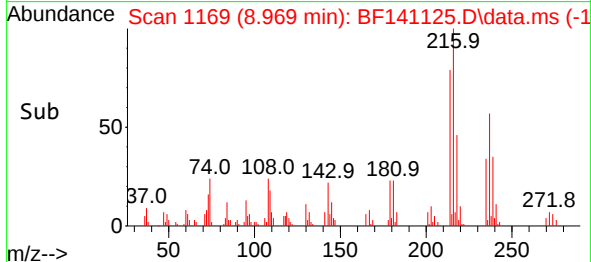
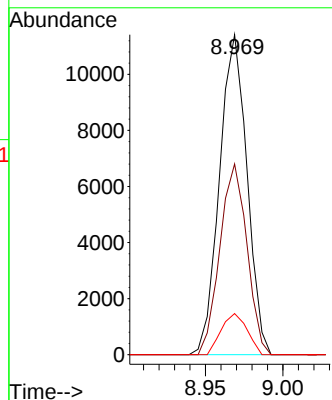
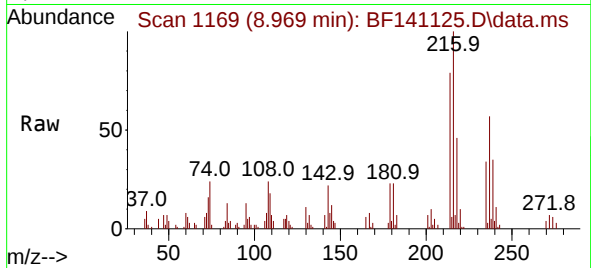




#41
Hexachlorocyclopentadiene
Concen: 4.700 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

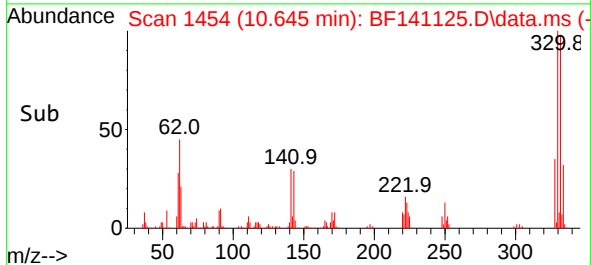
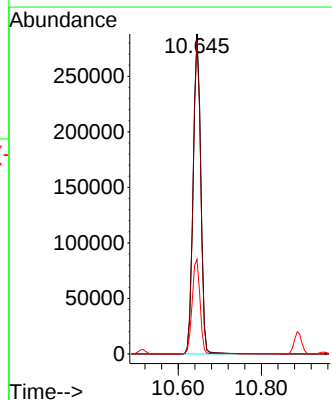
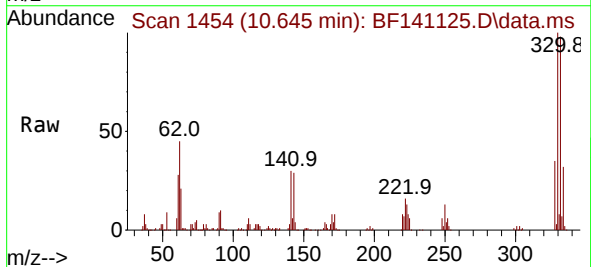
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:237 Resp: 14077
Ion Ratio Lower Upper
237 100
235 59.6 43.0 83.0
272 12.9 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 101.036 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:330 Resp: 367183
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 30.4 25.2 37.8

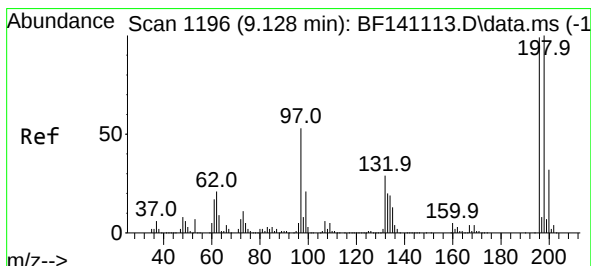
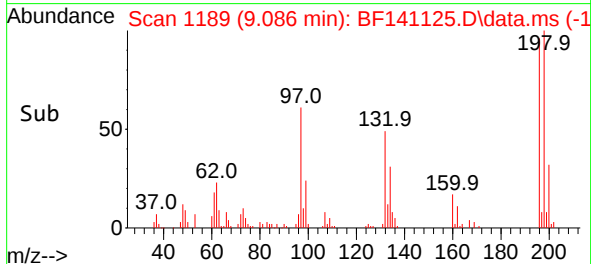
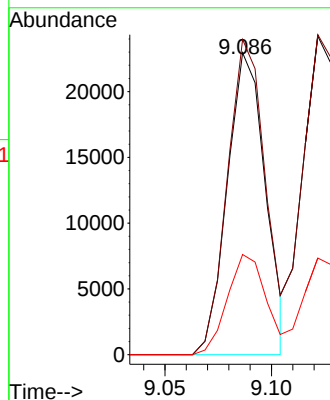
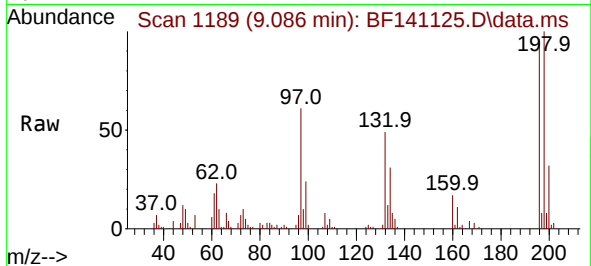




#43
2,4,6-Trichlorophenol
Concen: 4.630 ng
RT: 9.086 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

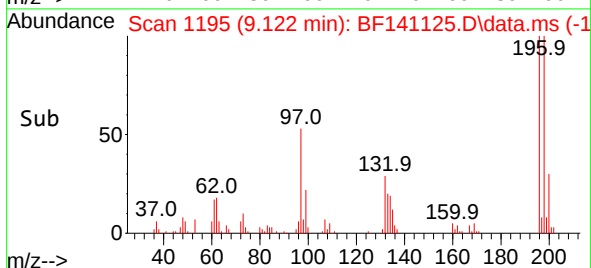
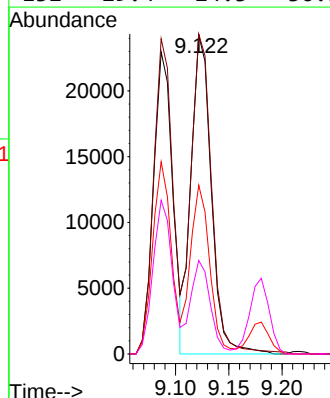
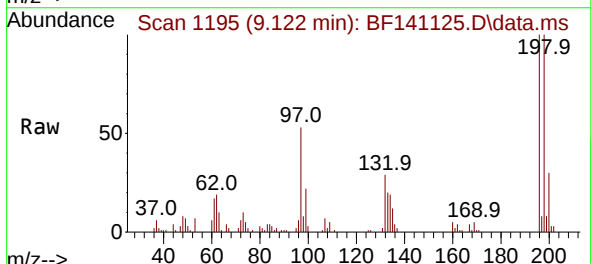
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

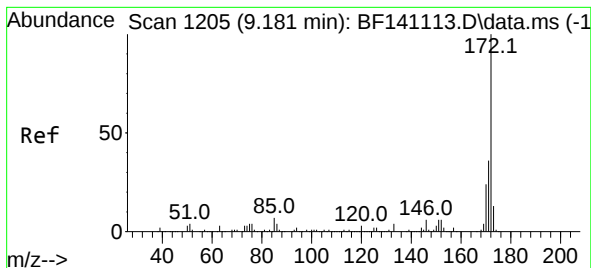
Tgt Ion:196 Resp: 28589
Ion Ratio Lower Upper
196 100
198 104.4 80.8 121.2
200 33.2 25.7 38.5



#44
2,4,5-Trichlorophenol
Concen: 4.926 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:196 Resp: 32123
Ion Ratio Lower Upper
196 100
198 100.5 80.6 120.8
97 53.0 43.1 64.7
132 29.4 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 68.951 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

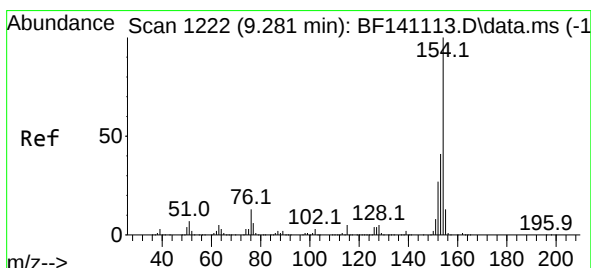
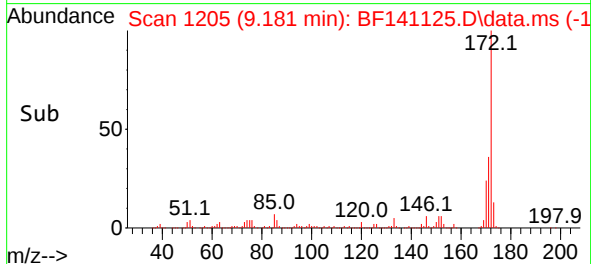
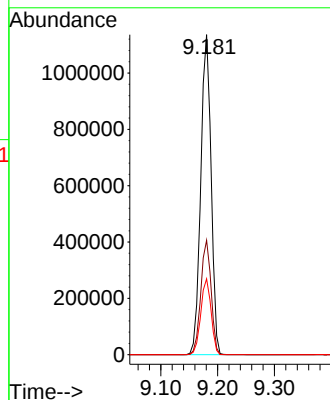
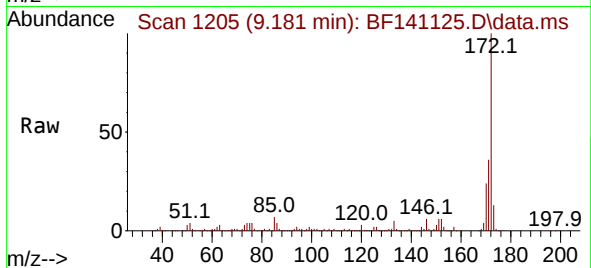
Tgt Ion:172 Resp: 1440149

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.615 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

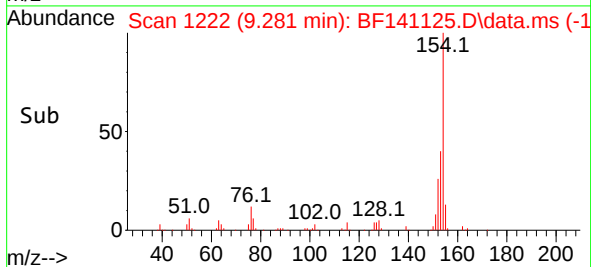
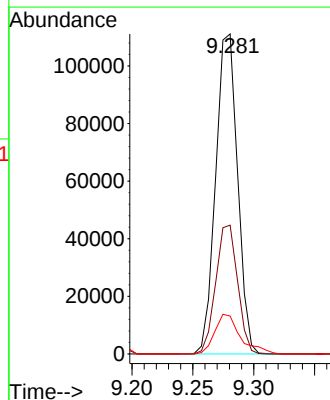
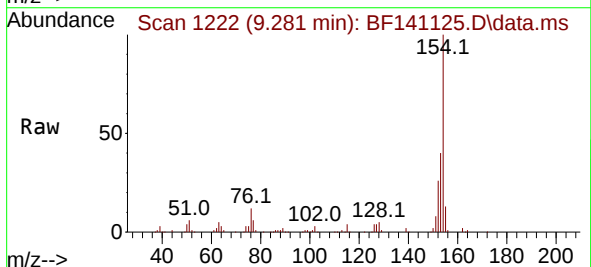
Tgt Ion:154 Resp: 139080

Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 11.9 0.0 33.1





#47

2-Chloronaphthalene

Concen: 5.179 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

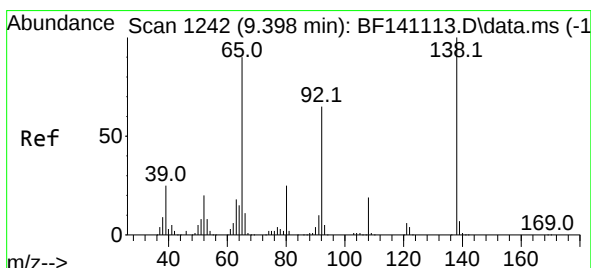
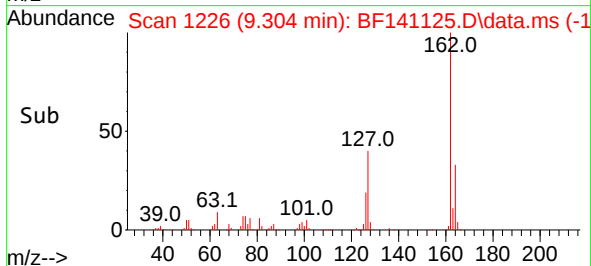
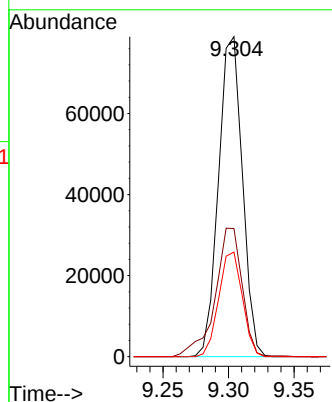
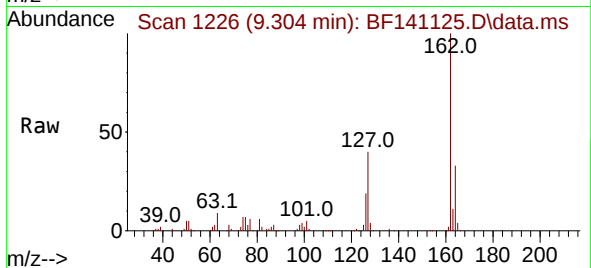
Tgt Ion:162 Resp: 99911

Ion Ratio Lower Upper

162 100

127 40.0 34.6 51.8

164 32.7 26.5 39.7



#48

2-Nitroaniline

Concen: 4.760 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

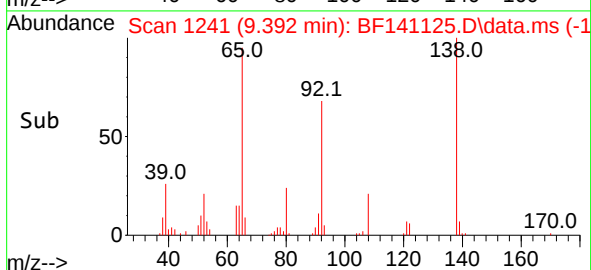
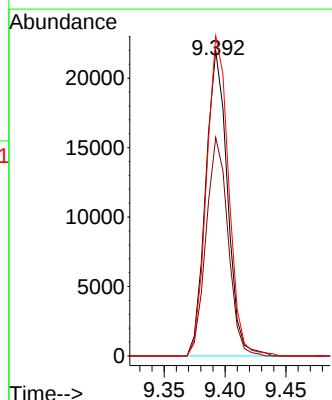
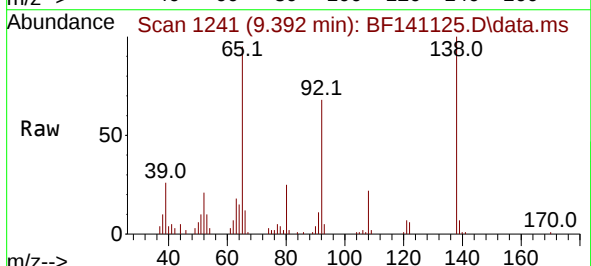
Tgt Ion: 65 Resp: 27221

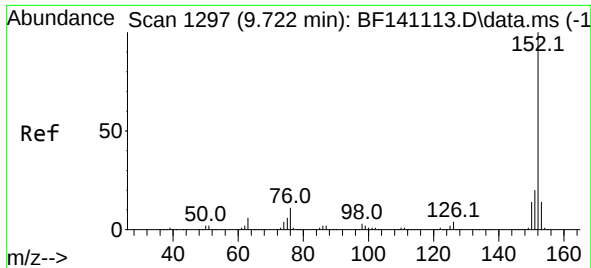
Ion Ratio Lower Upper

65 100

92 71.5 58.3 87.5

138 104.8 89.1 133.7

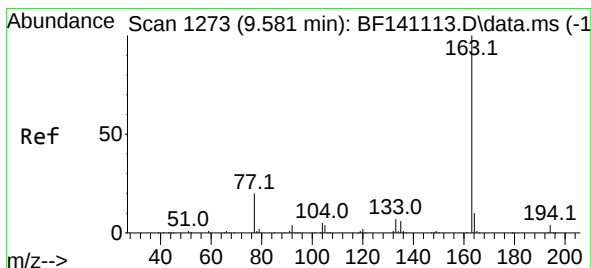
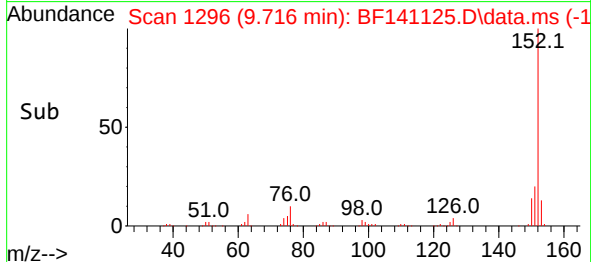
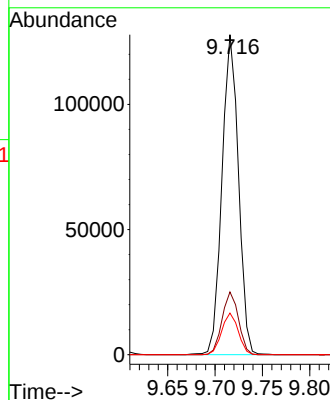
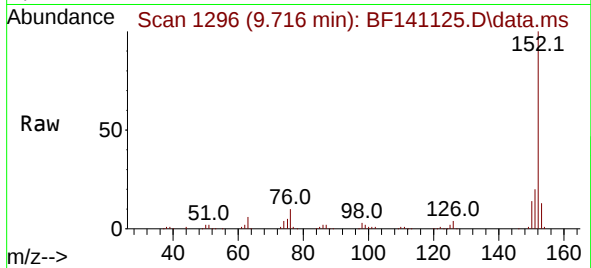




#49
Acenaphthylene
Concen: 5.617 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

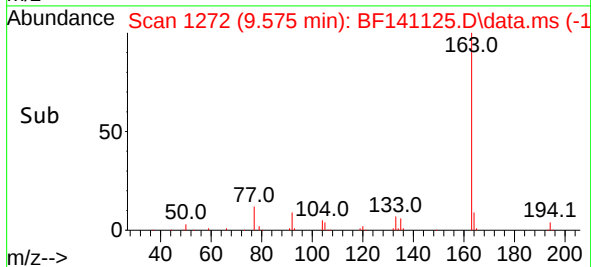
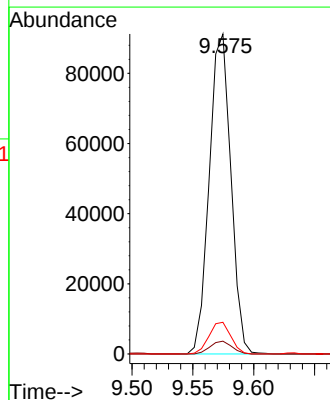
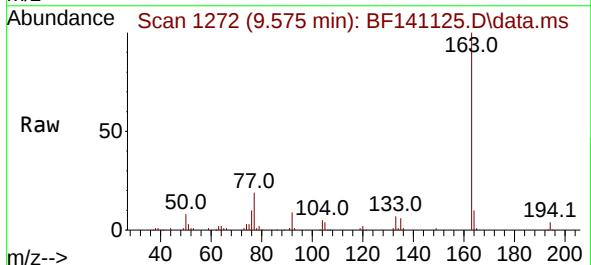
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

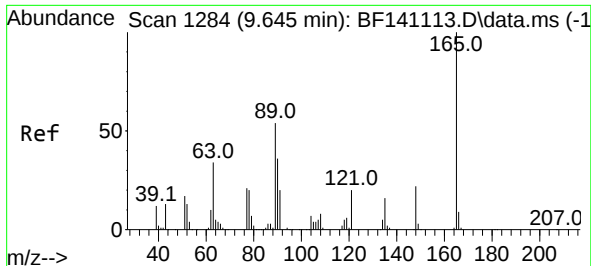
Tgt Ion:152 Resp: 154825
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 13.0 11.1 16.7



#50
Dimethylphthalate
Concen: 5.270 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:163 Resp: 112844
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.9 8.2 12.4

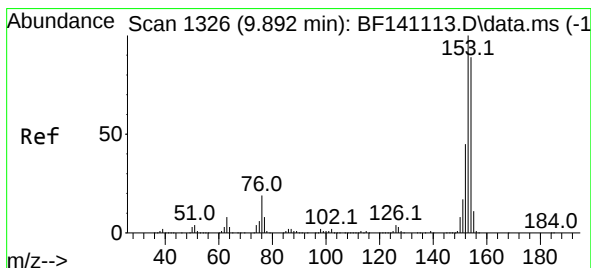
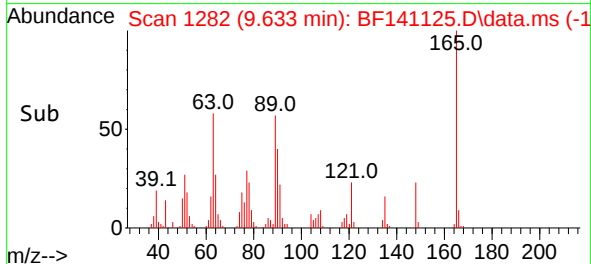
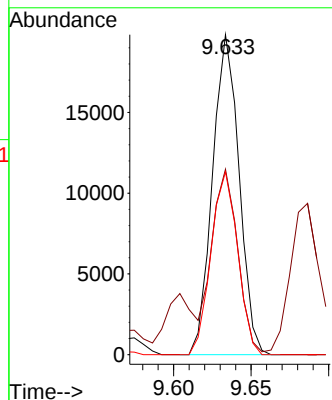
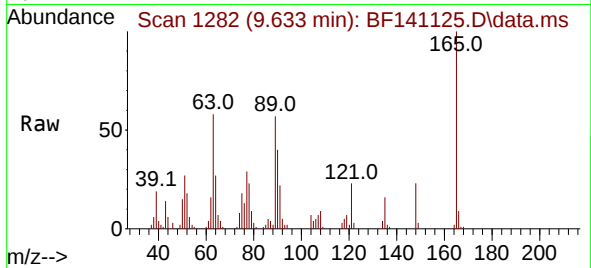




#51
2,6-Dinitrotoluene
Concen: 4.738 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

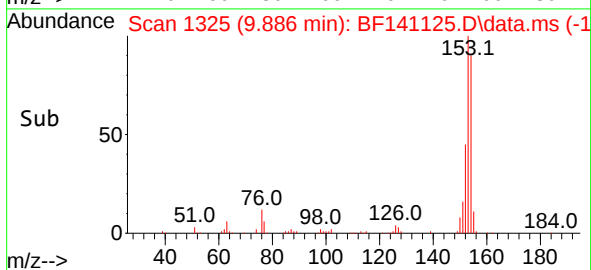
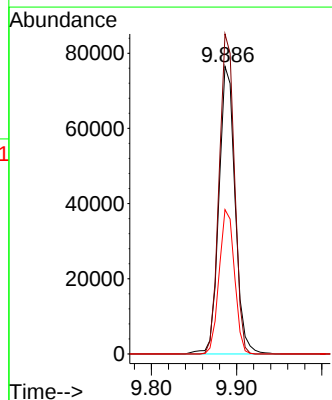
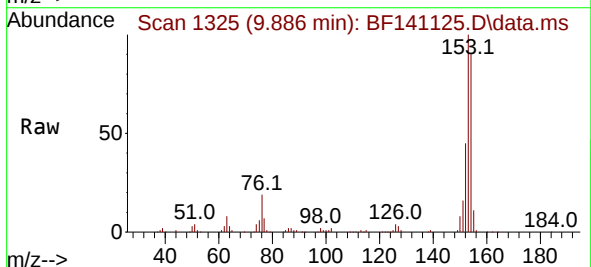
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:165 Resp: 23593
Ion Ratio Lower Upper
165 100
63 57.9 42.3 63.5
89 57.2 43.1 64.7



#52
Acenaphthene
Concen: 5.237 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:154 Resp: 100840
Ion Ratio Lower Upper
154 100
153 111.3 89.8 134.6
152 50.2 40.8 61.2

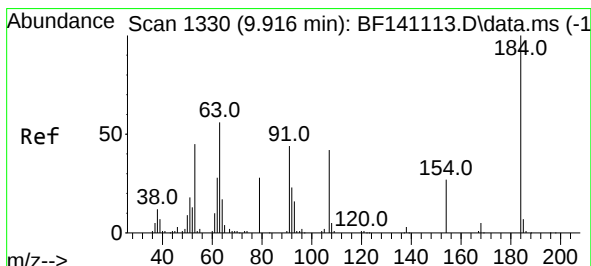
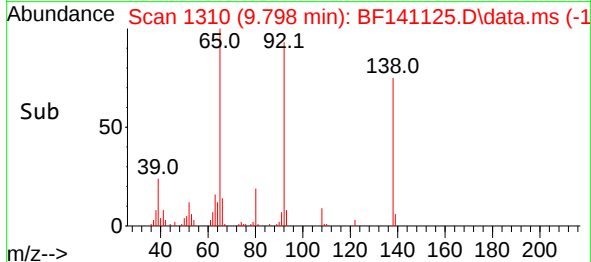
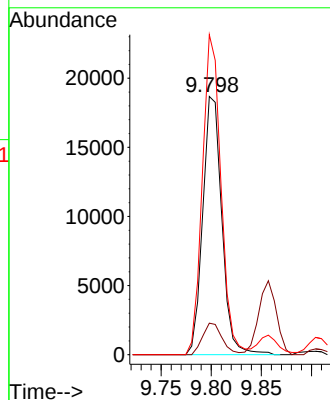
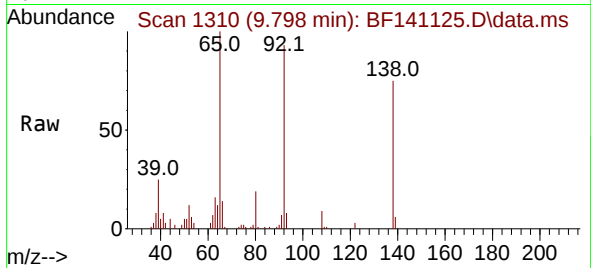




#53
3-Nitroaniline
Concen: 4.899 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

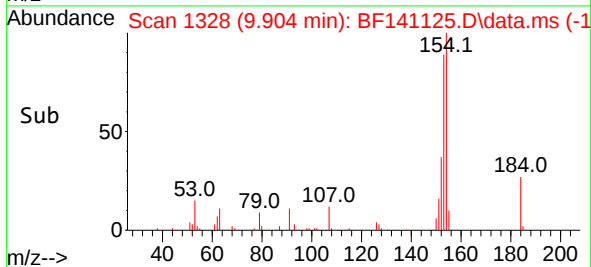
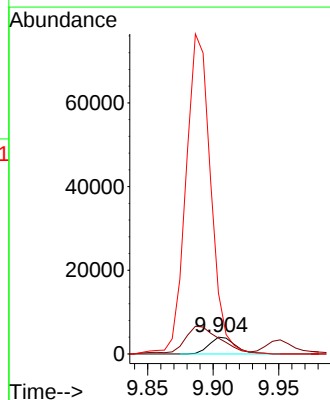
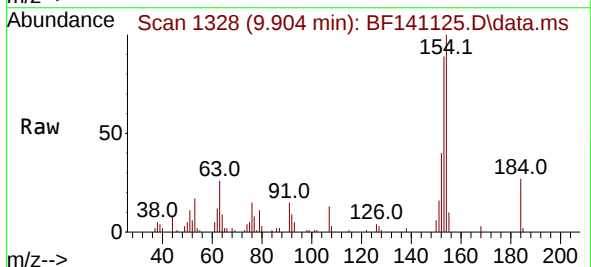
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

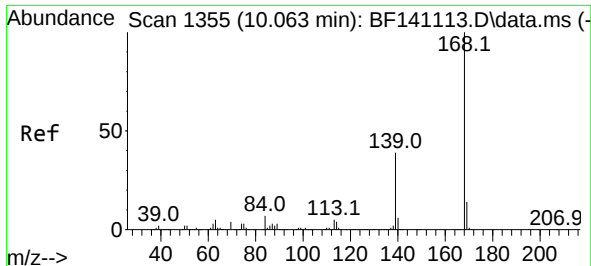
Tgt Ion:138 Resp: 24789
Ion Ratio Lower Upper
138 100
108 12.2 8.8 13.2
92 123.9 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 2.345 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:184 Resp: 5549
Ion Ratio Lower Upper
184 100
63 94.3 48.7 73.1#
154 364.3 57.1 85.7#

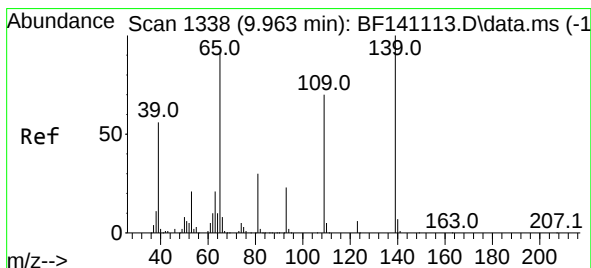
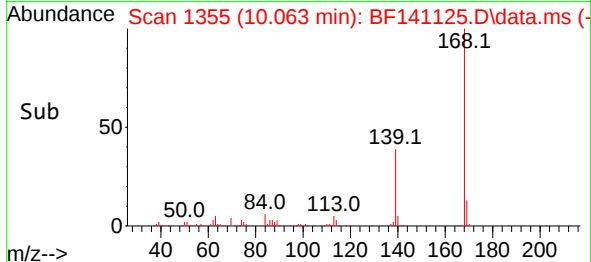
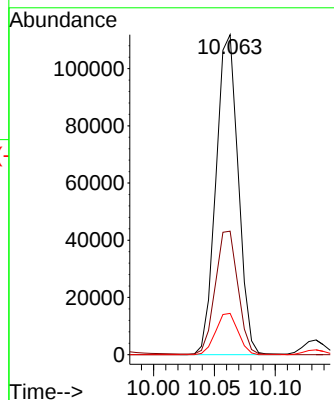
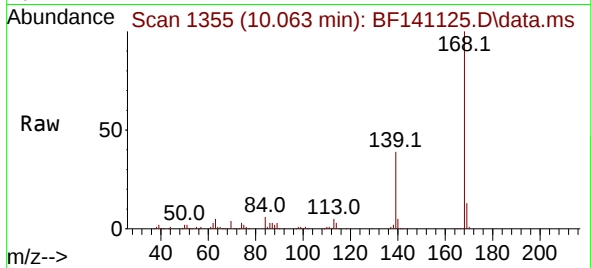




#55
Dibenzenofuran
Concen: 5.429 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

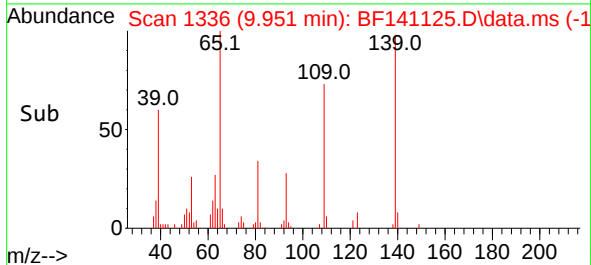
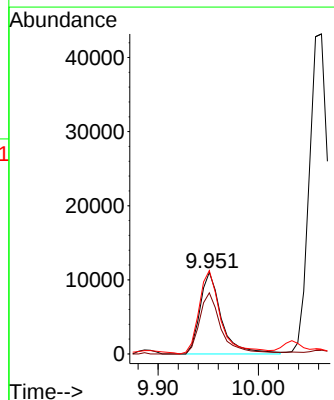
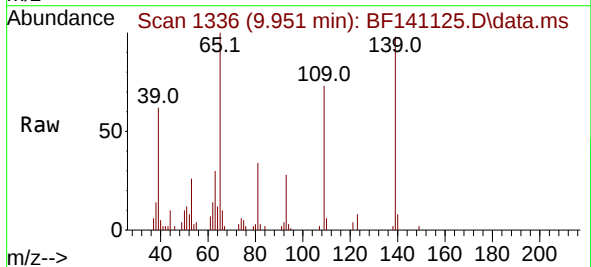
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

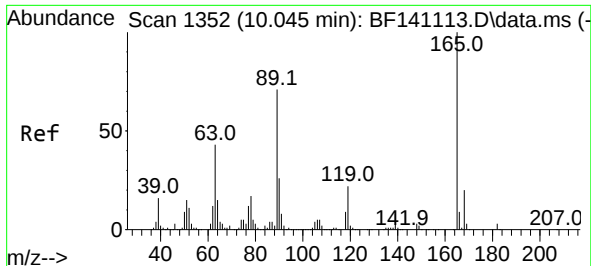
Tgt Ion:168 Resp: 142211
Ion Ratio Lower Upper
168 100
139 38.6 31.4 47.0
169 12.9 10.9 16.3



#56
4-Nitrophenol
Concen: 4.155 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:139 Resp: 16467
Ion Ratio Lower Upper
139 100
109 75.0 50.2 90.2
65 102.2 72.1 112.1

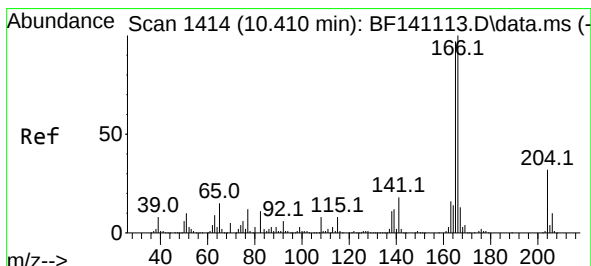
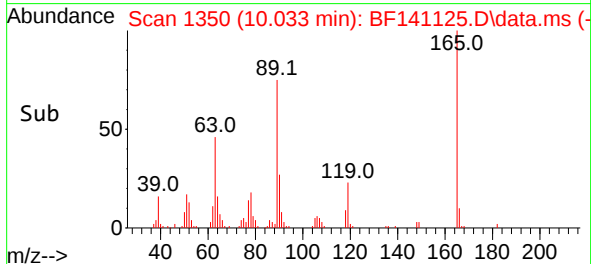
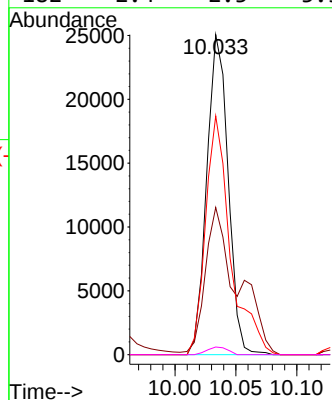
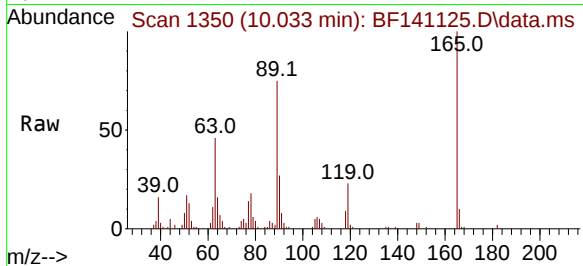




#57
2,4-Dinitrotoluene
Concen: 4.770 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

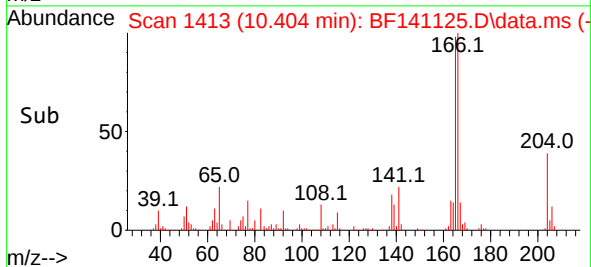
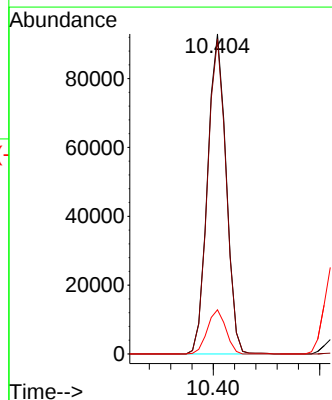
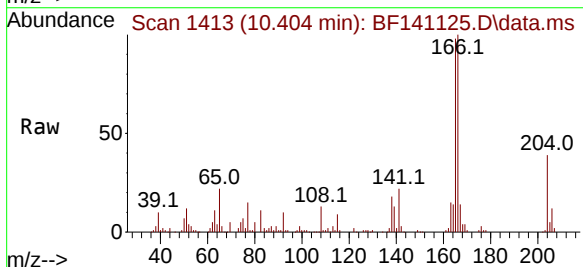
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

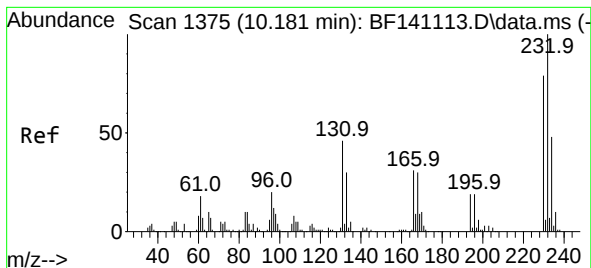
Tgt Ion:	165	Resp:	30608
Ion Ratio	Lower	Upper	
165	100		
63	46.0	35.0	52.4
89	74.6	56.7	85.1
182	2.4	2.3	3.5



#58
Fluorene
Concen: 5.521 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:	166	Resp:	112350
Ion Ratio	Lower	Upper	
166	100		
165	98.5	77.8	116.8
167	13.8	10.8	16.2

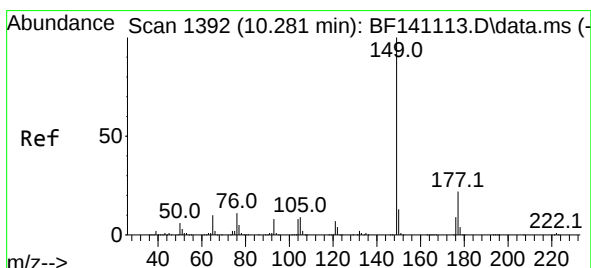
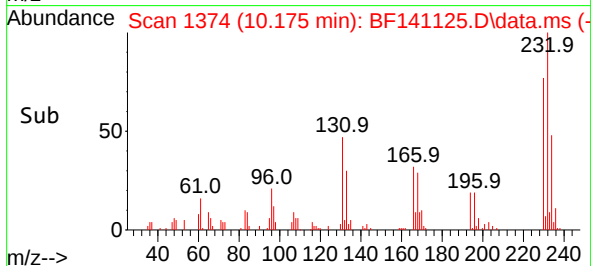
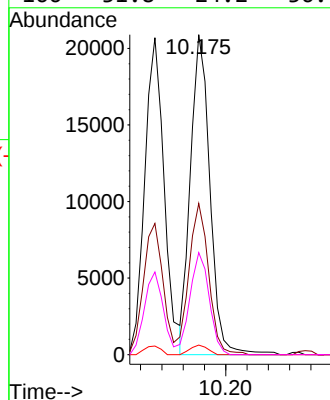
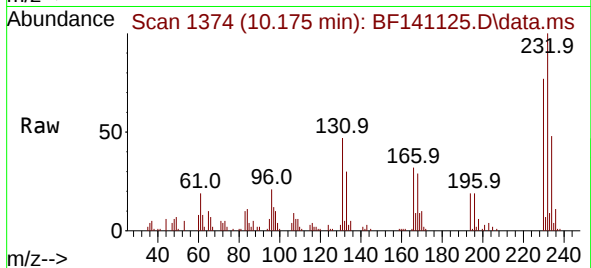




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.899 ng
RT: 10.175 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

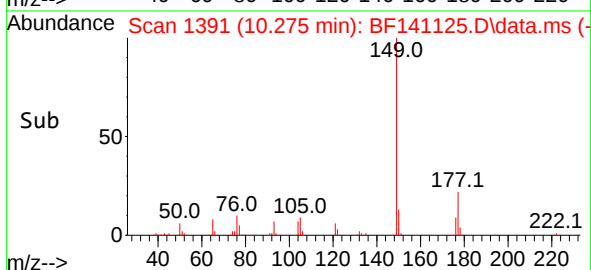
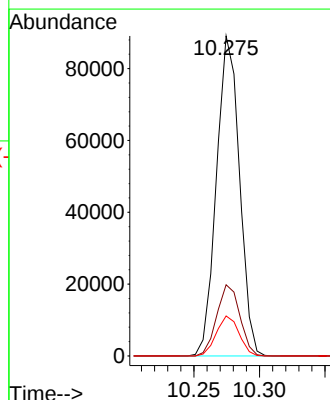
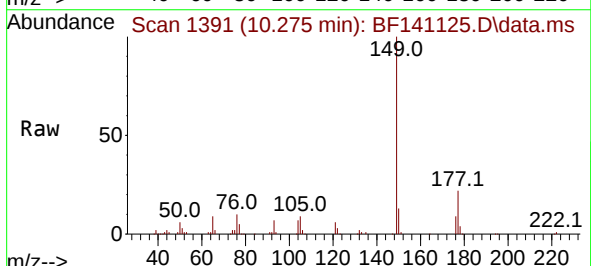
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

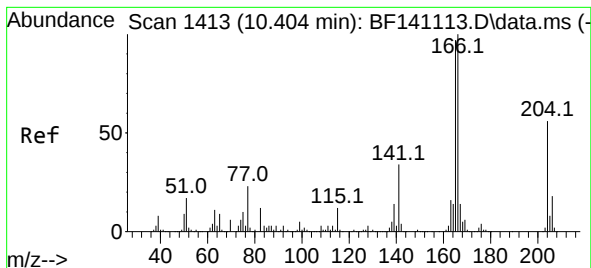
Tgt Ion:232 Resp: 26550
Ion Ratio Lower Upper
232 100
131 48.0 36.2 54.4
130 2.7 2.0 3.0
166 31.8 24.2 36.4



#60
Diethylphthalate
Concen: 5.199 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:149 Resp: 108677
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 12.5 10.2 15.2

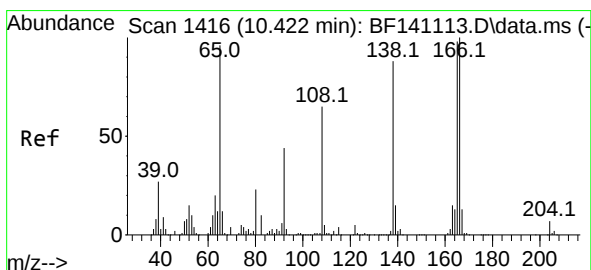
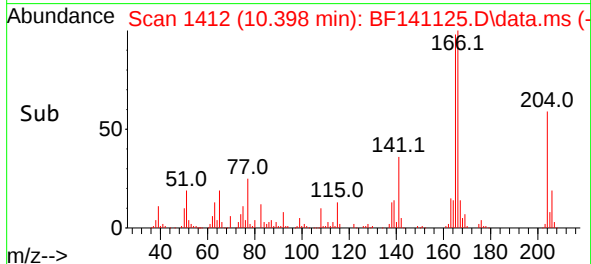
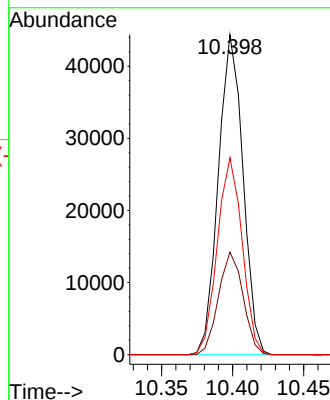
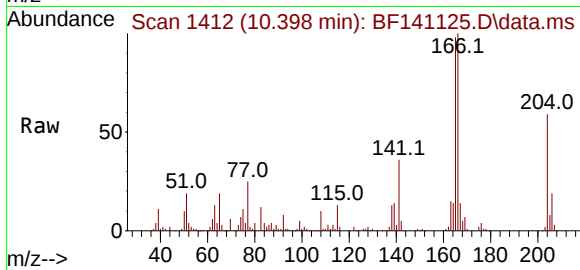




#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

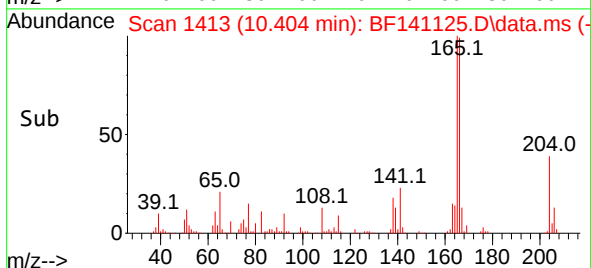
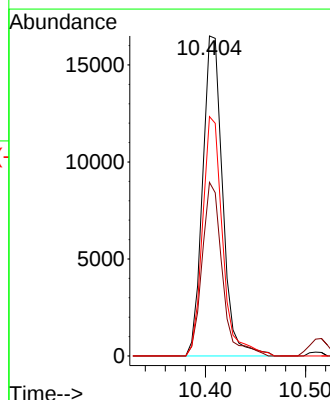
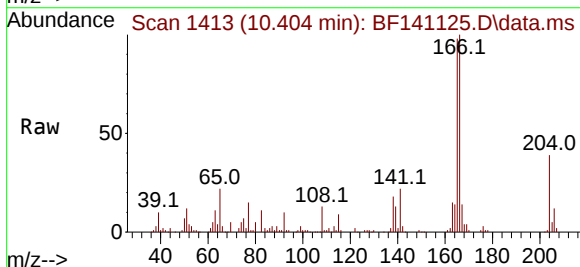
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

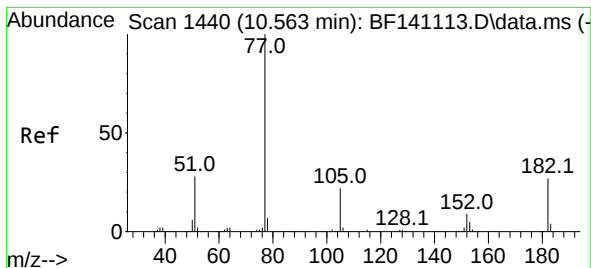
Tgt Ion:204 Resp: 53506
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 61.5 49.1 73.7



#62
4-Nitroaniline
Concen: 4.634 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:138 Resp: 22949
Ion Ratio Lower Upper
138 100
92 54.2 29.4 69.4
108 74.8 53.7 93.7





#63

Azobenzene

Concen: 5.145 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 77 Resp: 106120

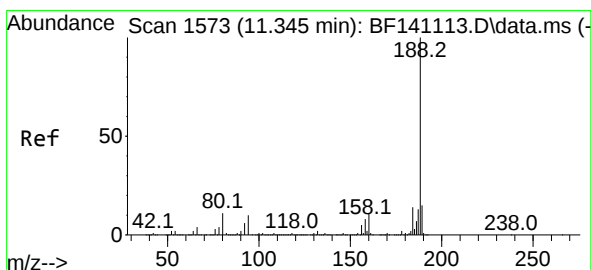
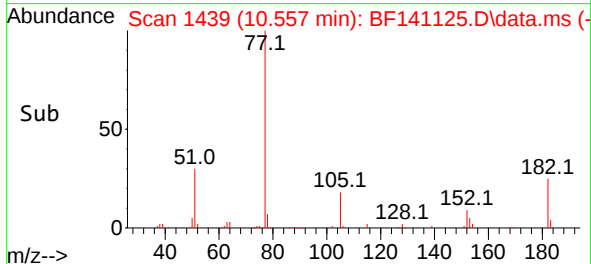
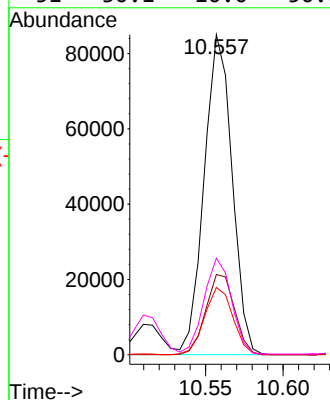
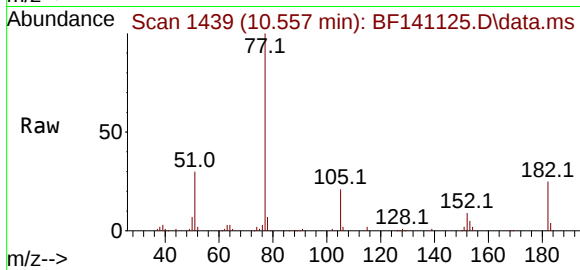
Ion Ratio Lower Upper

77 100

182 25.0 6.1 46.1

105 21.0 2.1 42.1

51 30.1 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

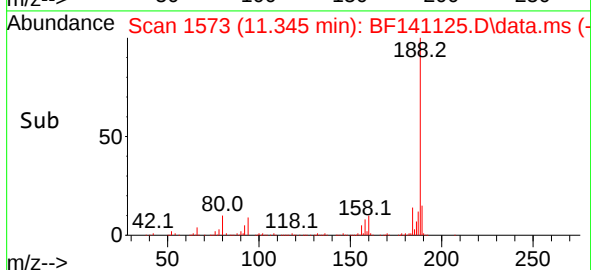
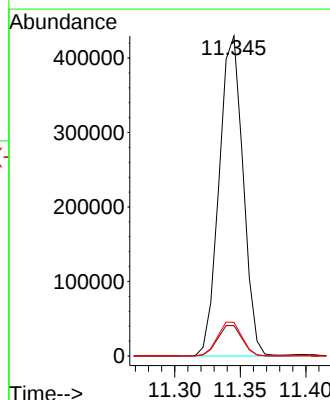
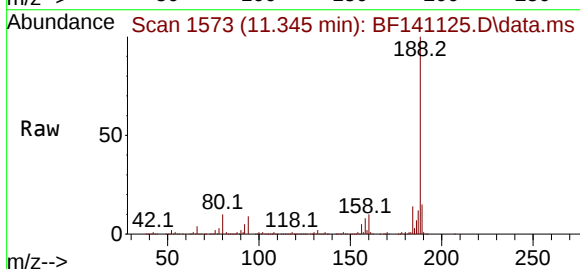
Tgt Ion:188 Resp: 545149

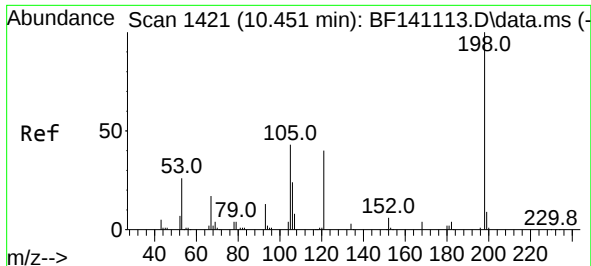
Ion Ratio Lower Upper

188 100

94 9.5 8.3 12.5

80 10.5 9.0 13.4





#65

4,6-Dinitro-2-methylphenol

Concen: 3.404 ng

RT: 10.439 min Scan# 1419

Delta R.T. -0.012 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

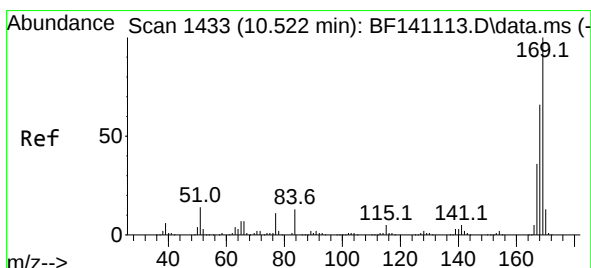
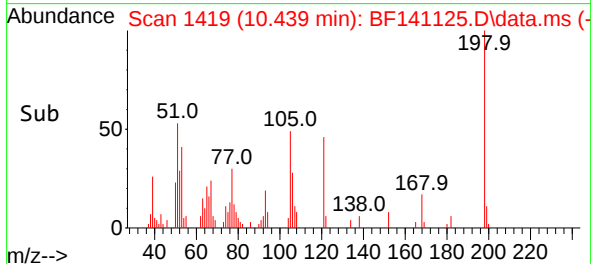
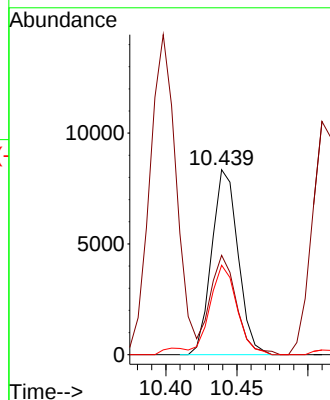
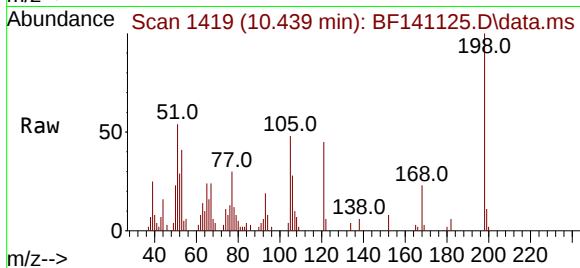
Tgt Ion:198 Resp: 10752

Ion Ratio Lower Upper

198 100

51 53.7 27.1 67.1

105 48.4 24.2 64.2



#66

n-Nitrosodiphenylamine

Concen: 5.361 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

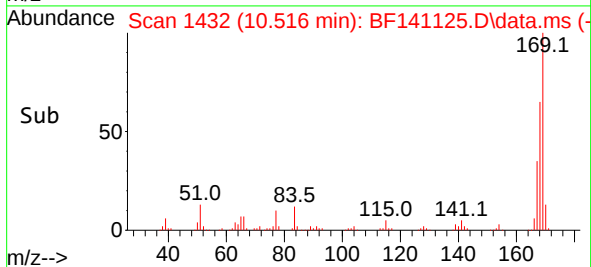
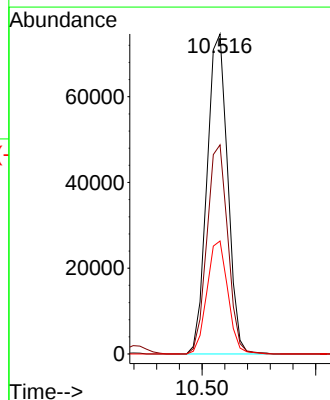
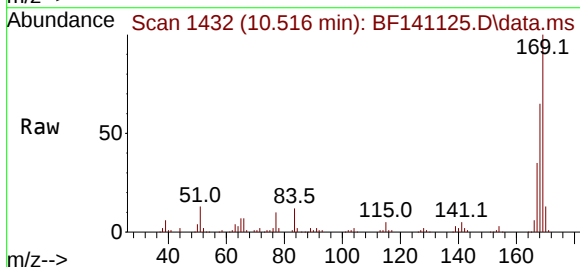
Tgt Ion:169 Resp: 94264

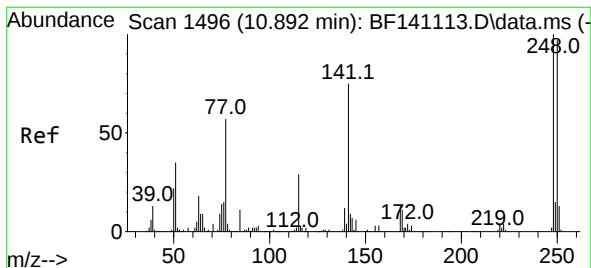
Ion Ratio Lower Upper

169 100

168 65.4 52.5 78.7

167 35.3 28.9 43.3

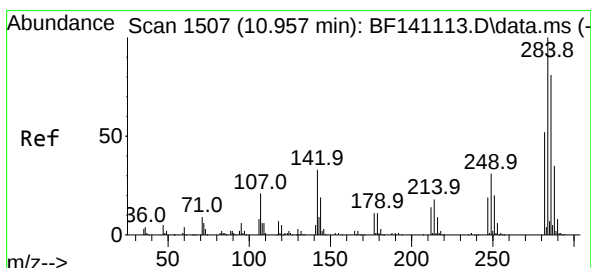
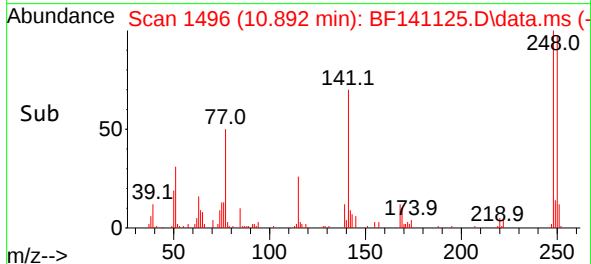
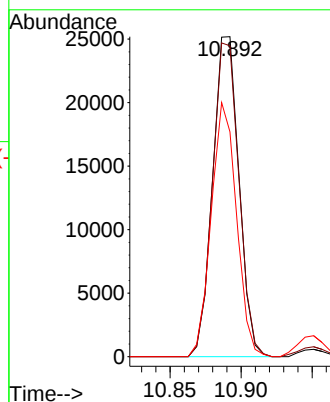
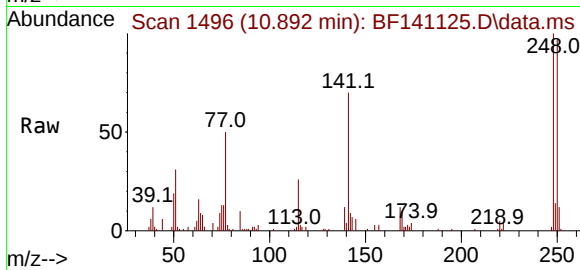




#67
4-Bromophenyl-phenylether
Concen: 5.166 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

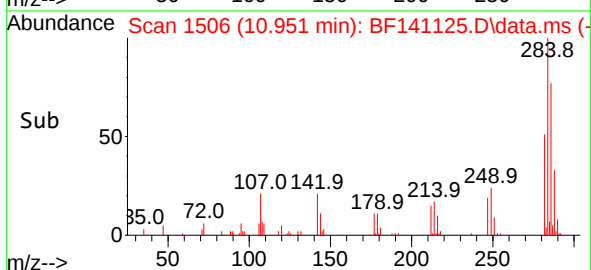
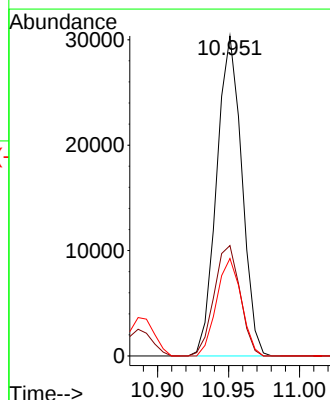
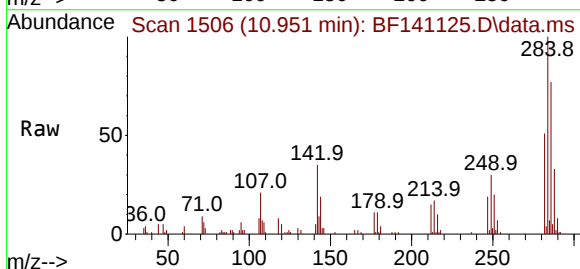
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

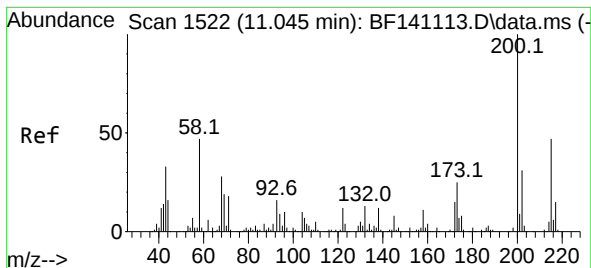
Tgt Ion:248 Resp: 32423
Ion Ratio Lower Upper
248 100
250 97.1 77.9 116.9
141 70.3 59.9 89.9



#68
Hexachlorobenzene
Concen: 5.356 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:284 Resp: 37418
Ion Ratio Lower Upper
284 100
142 34.5 26.3 39.5
249 30.5 24.9 37.3





#69

Atrazine

Concen: 6.403 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

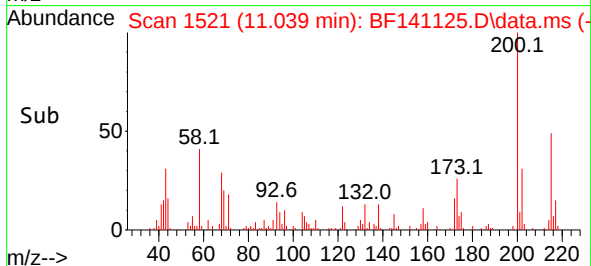
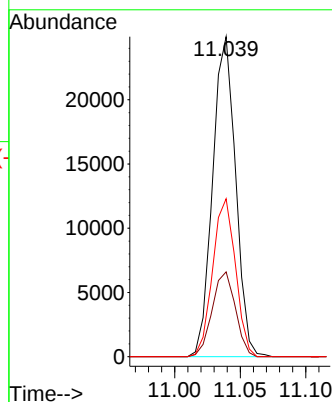
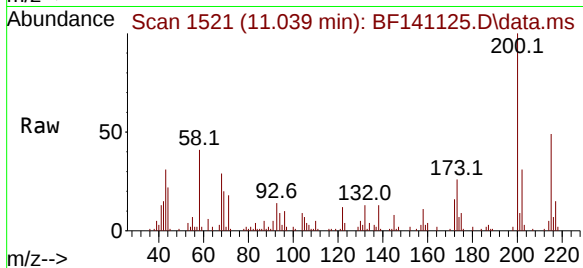
Tgt Ion:200 Resp: 30315

Ion Ratio Lower Upper

200 100

173 26.5 5.4 45.4

215 49.3 26.6 66.6



#70

Pentachlorophenol

Concen: 4.154 ng

RT: 11.145 min Scan# 1539

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

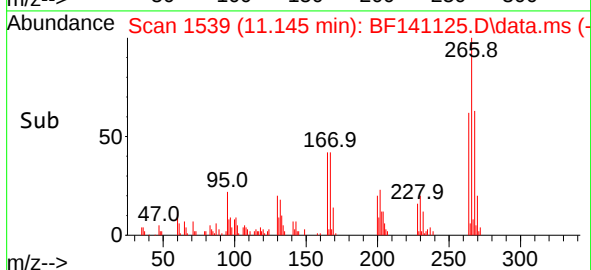
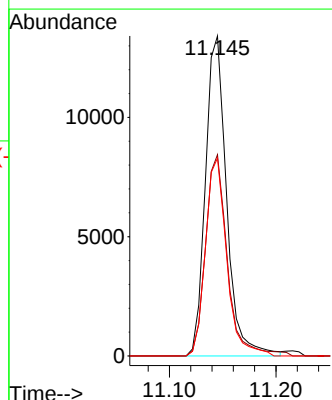
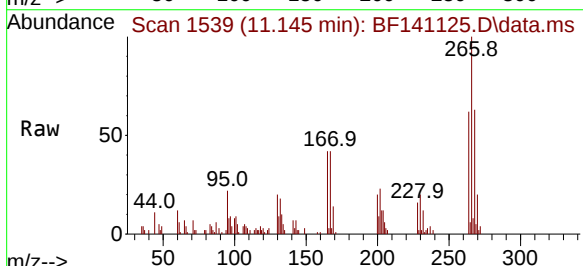
Tgt Ion:266 Resp: 18588

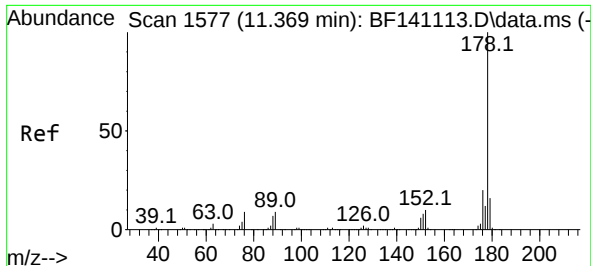
Ion Ratio Lower Upper

266 100

268 62.9 50.4 75.6

264 61.8 50.2 75.2

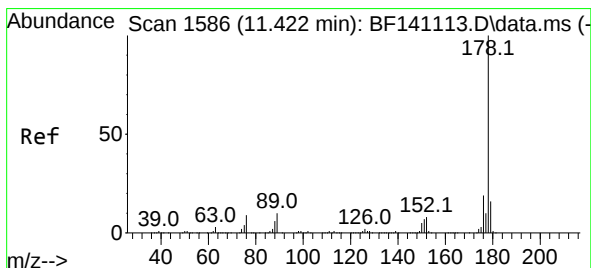
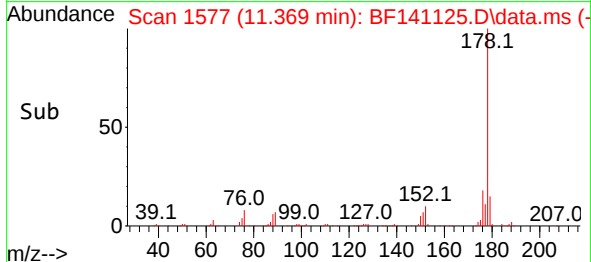
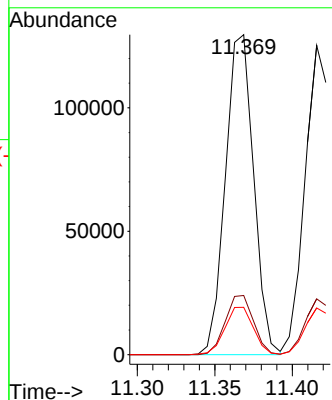
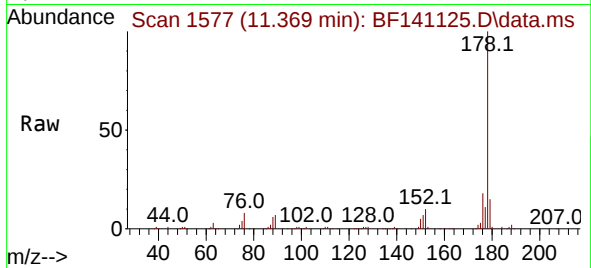




#71
Phenanthrene
Concen: 5.619 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

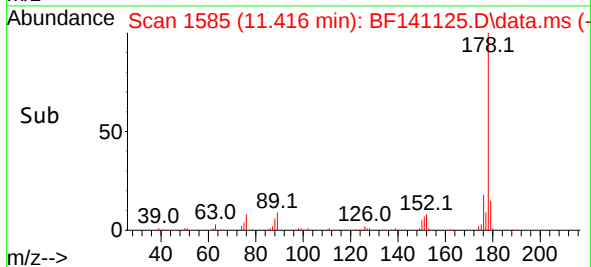
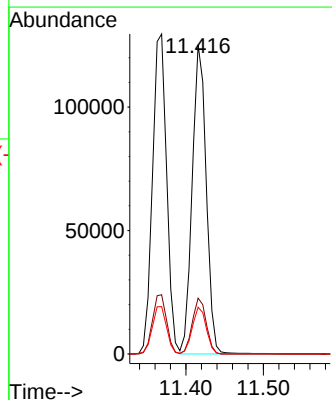
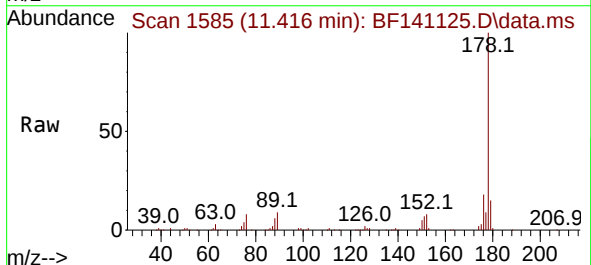
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:178 Resp: 164457
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 14.8 12.6 19.0



#72
Anthracene
Concen: 5.528 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:178 Resp: 157326
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.1 12.6 19.0

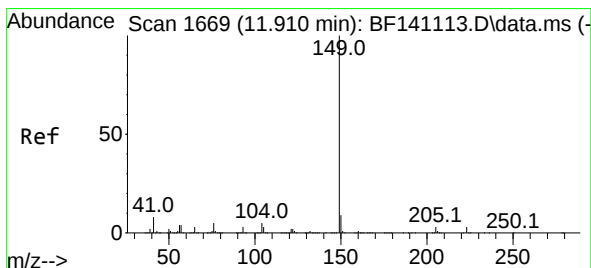
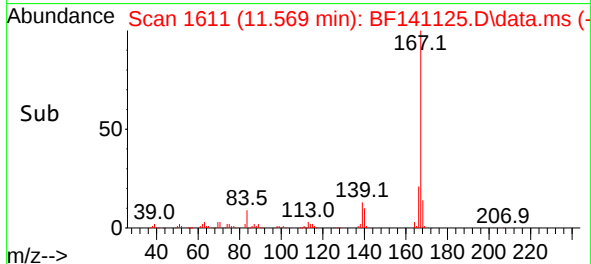
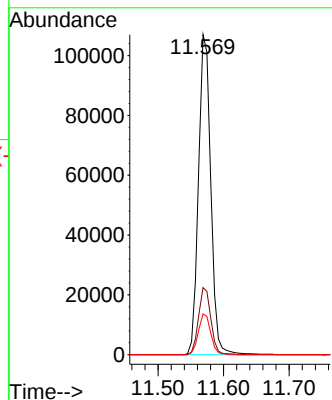
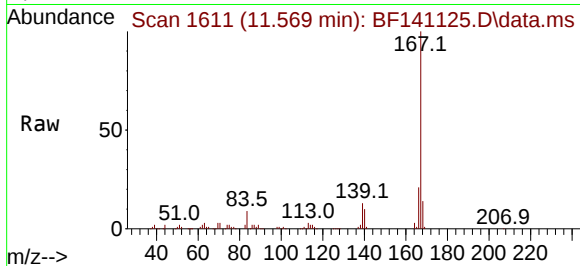




#73
 Carbazole
 Concen: 5.361 ng
 RT: 11.569 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

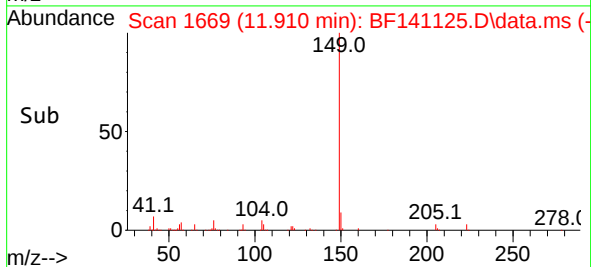
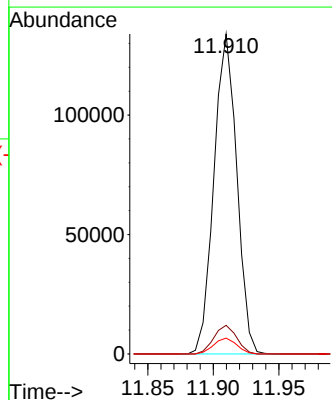
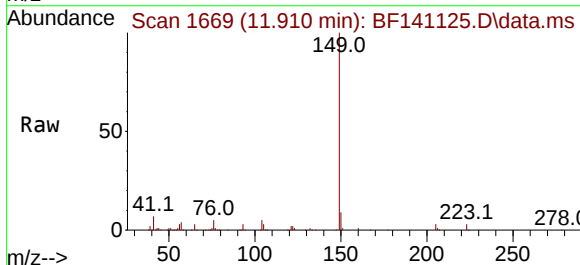
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

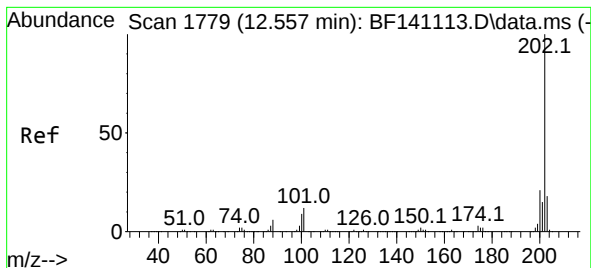
Tgt Ion:167 Resp: 139903
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.4 26.2
 139 12.8 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 5.423 ng
 RT: 11.910 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

Tgt Ion:149 Resp: 161938
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 5.412 ng

RT: 12.557 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

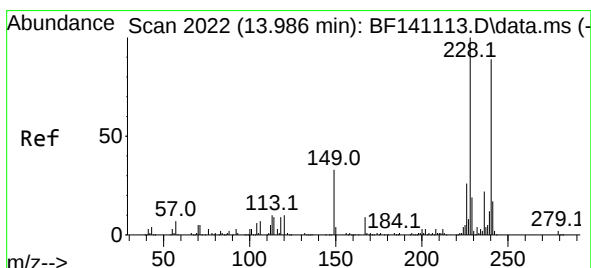
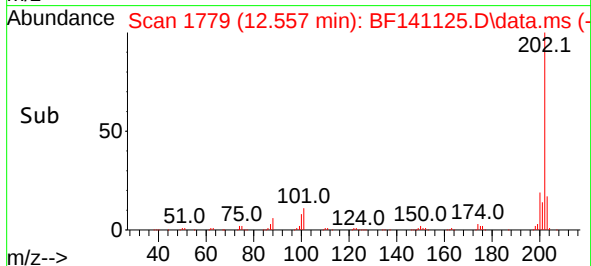
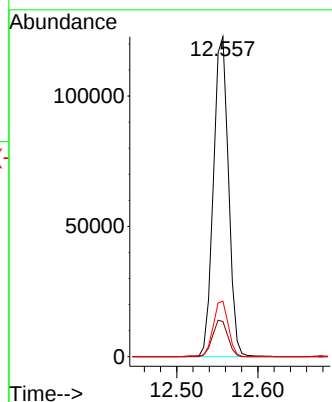
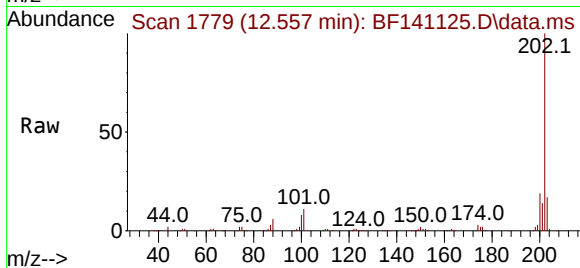
Tgt Ion:202 Resp: 158066

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.3

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

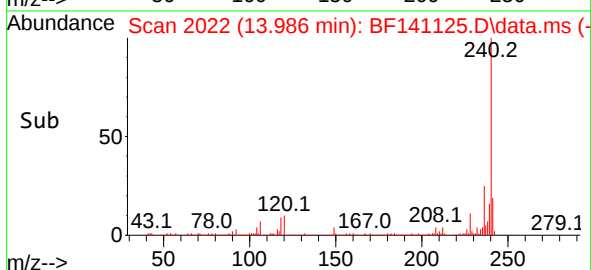
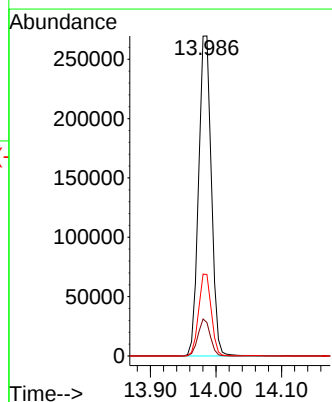
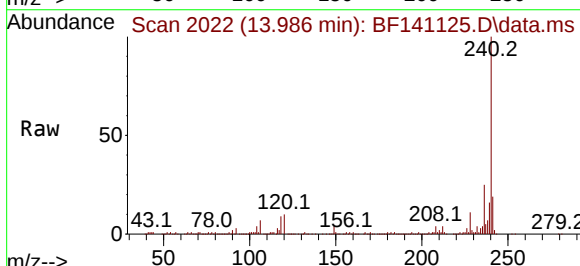
Tgt Ion:240 Resp: 364519

Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

236 25.4 19.8 29.6

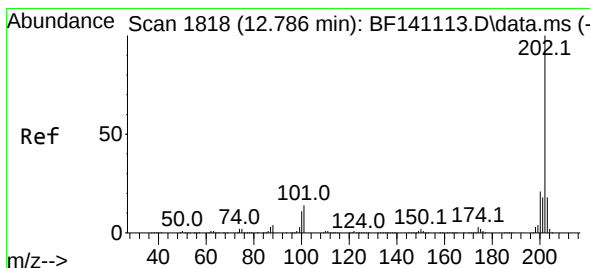
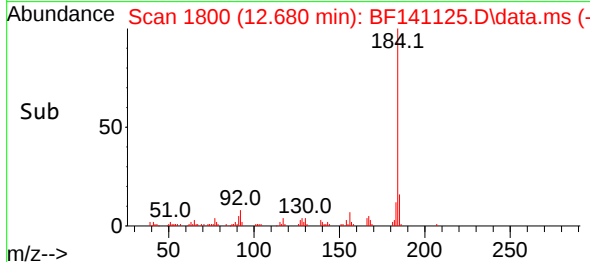
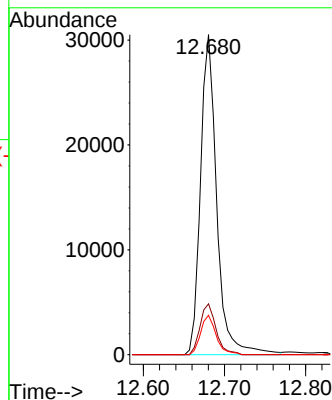
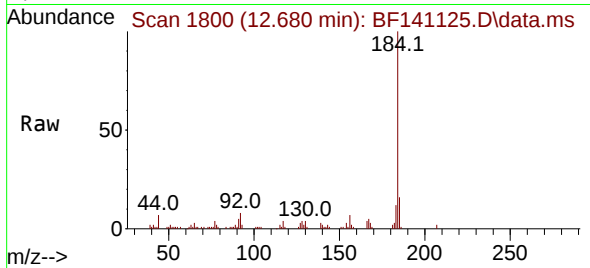




#77
Benzidine
Concen: 6.277 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

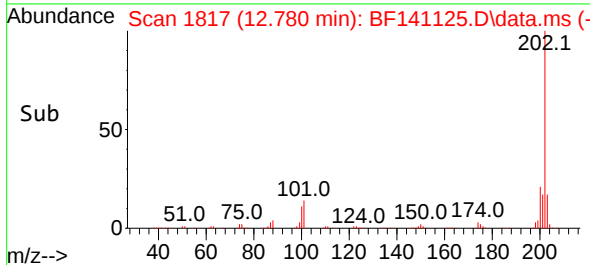
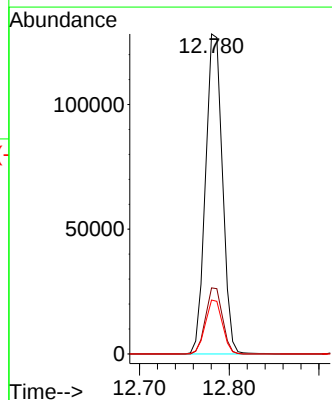
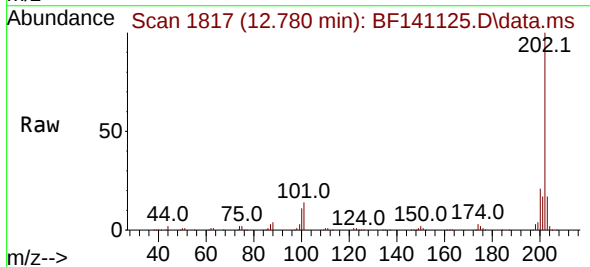
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:184	Resp:	42429
Ion Ratio	Lower	Upper
184	100	
185	15.9	11.4 17.0
183	12.3	9.2 13.8



#78
Pyrene
Concen: 4.832 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141125.D
Acq: 13 Jan 2025 13:52

Tgt Ion:202	Resp:	168226
Ion Ratio	Lower	Upper
202	100	
200	20.7	16.8 25.2
203	16.8	14.3 21.5





#79

Terphenyl-d14

Concen: 62.942 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141125.D

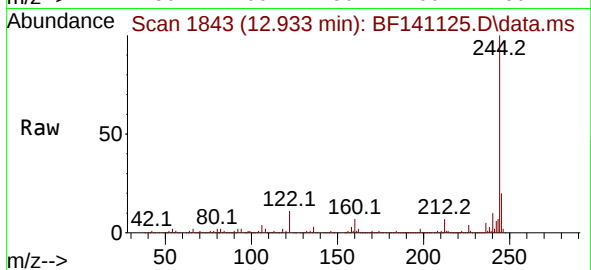
Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024



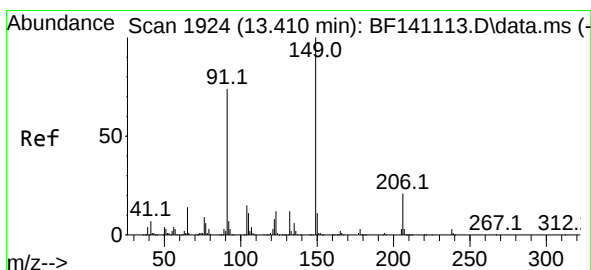
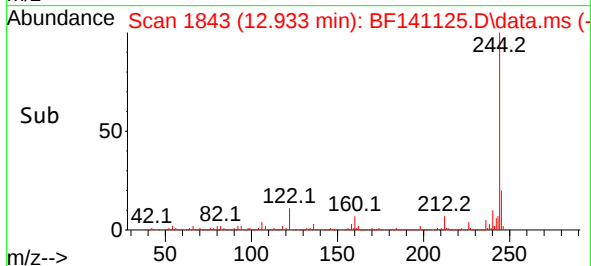
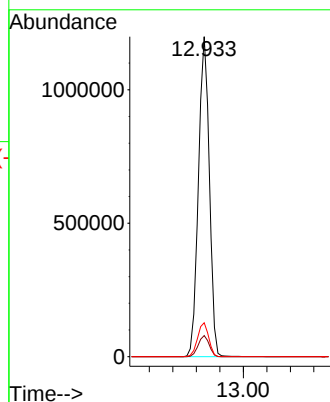
Tgt Ion:244 Resp: 1543652

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 4.446 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

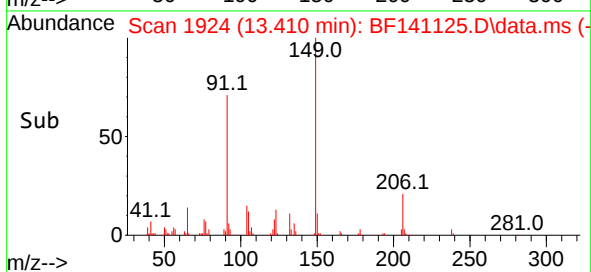
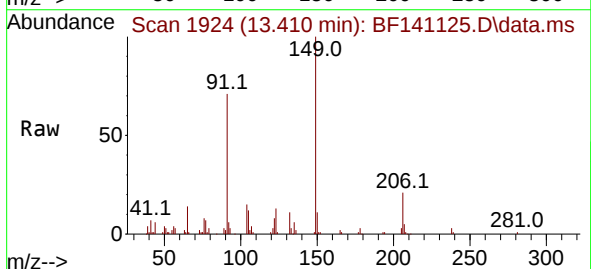
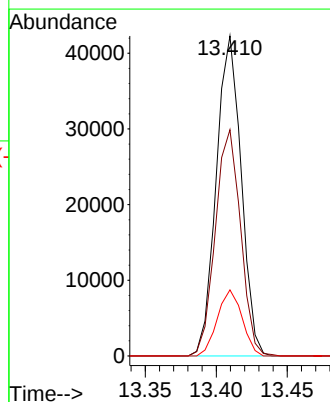
Tgt Ion:149 Resp: 51606

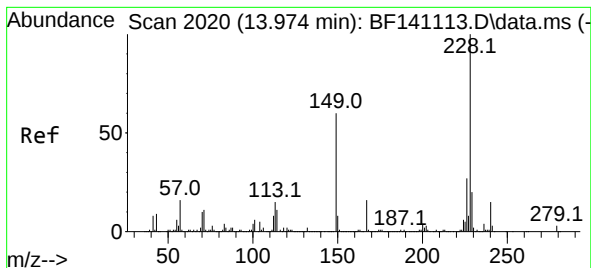
Ion Ratio Lower Upper

149 100

91 70.7 59.0 88.6

206 20.7 16.5 24.7





#81

Benzo(a)anthracene

Concen: 5.120 ng

RT: 13.974 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

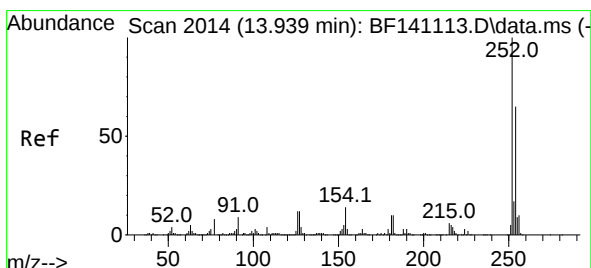
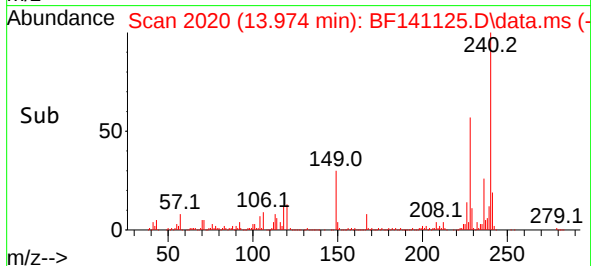
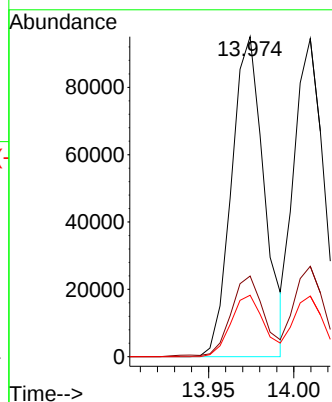
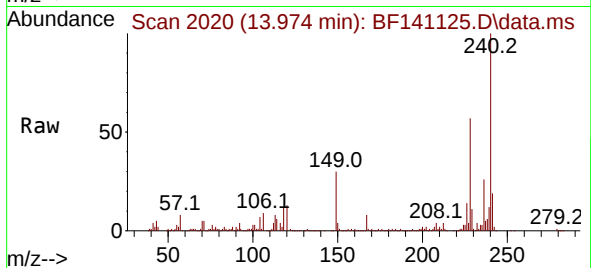
Tgt Ion:228 Resp: 127010

Ion Ratio Lower Upper

228 100

226 25.2 21.7 32.5

229 19.2 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 4.562 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

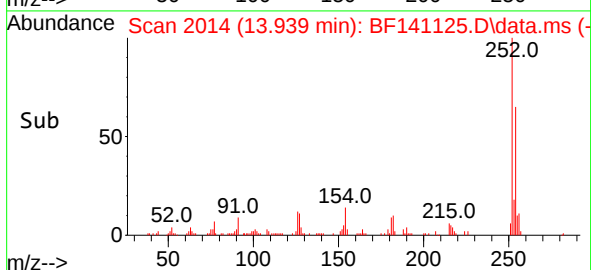
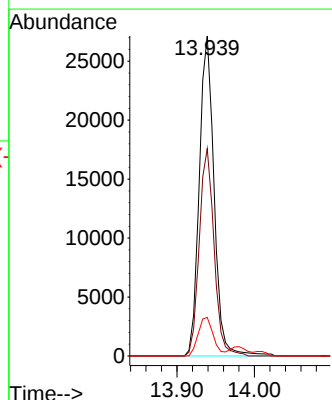
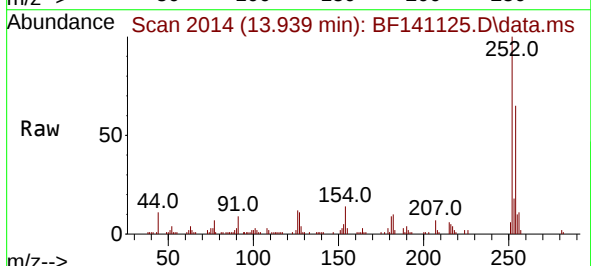
Tgt Ion:252 Resp: 36035

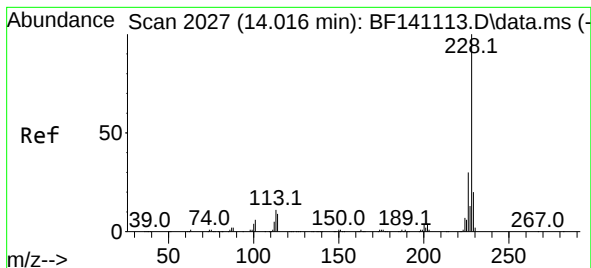
Ion Ratio Lower Upper

252 100

254 64.8 52.0 78.0

126 12.1 9.4 14.0





#83

Chrysene

Concen: 4.954 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

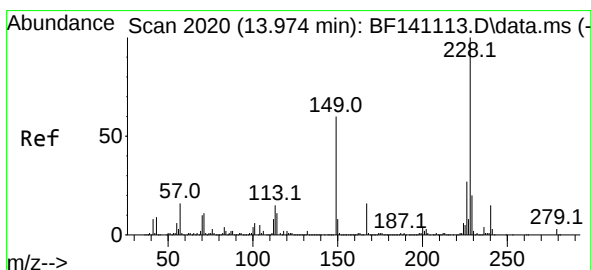
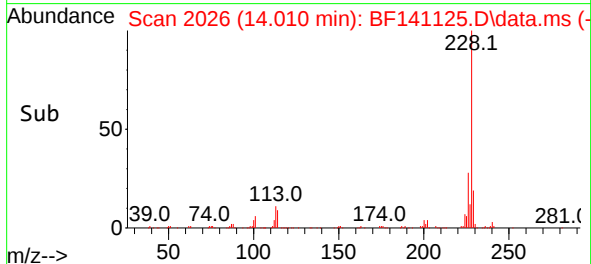
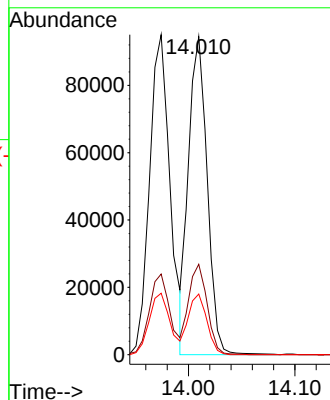
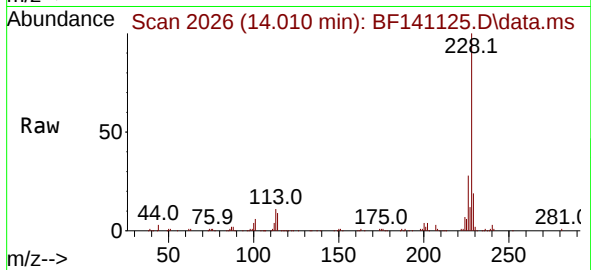
Tgt Ion:228 Resp: 115003

Ion Ratio Lower Upper

228 100

226 28.4 23.8 35.8

229 19.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.698 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

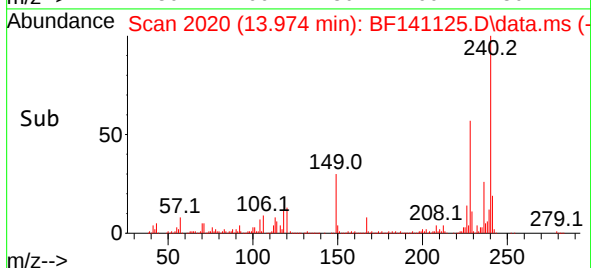
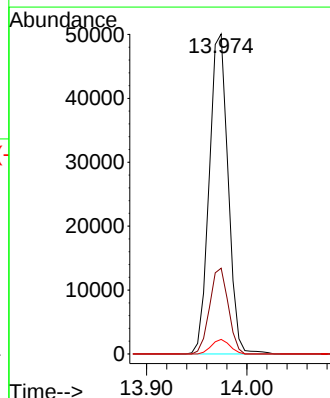
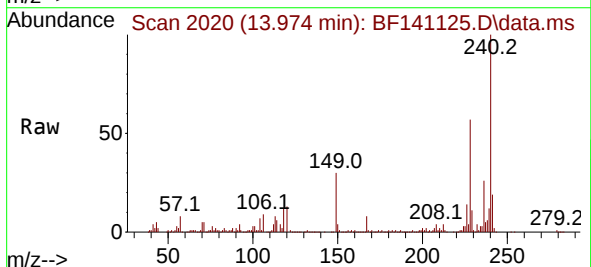
Tgt Ion:149 Resp: 65431

Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.2

279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 4.182 ng

RT: 14.586 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

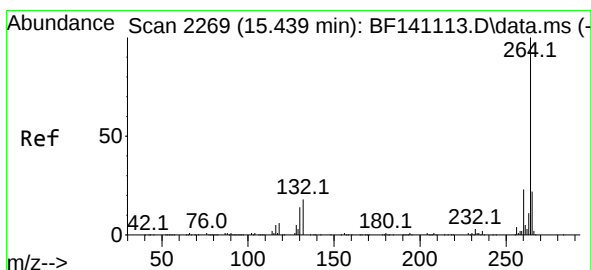
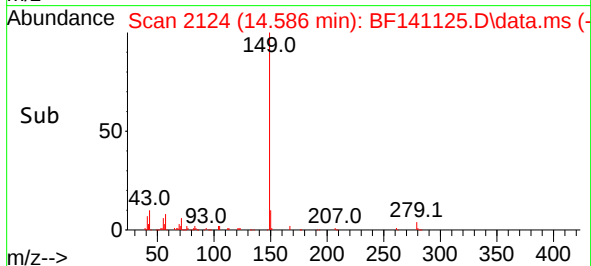
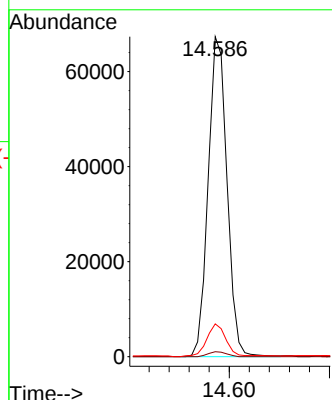
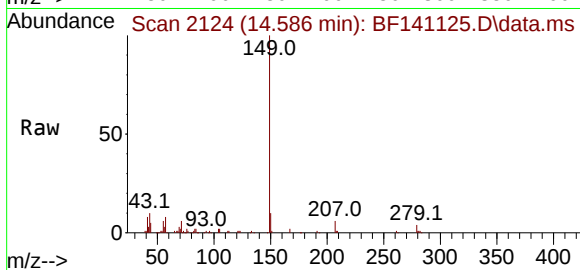
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:	149	Resp:	87965
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	11.0	8.4	12.6



#86

Perylene-d12

Concen: 20.000 ng

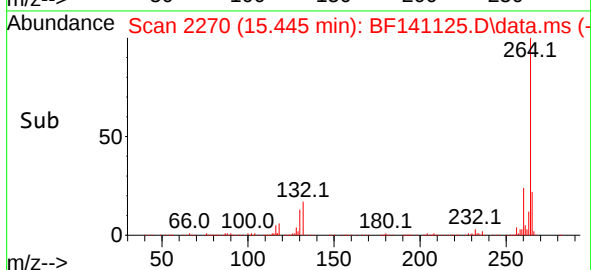
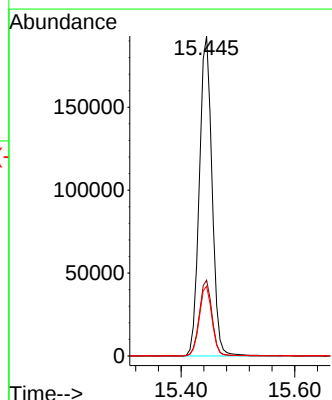
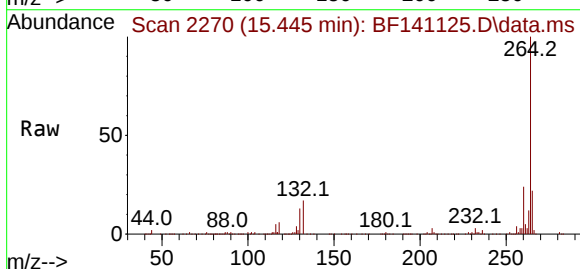
RT: 15.445 min Scan# 2270

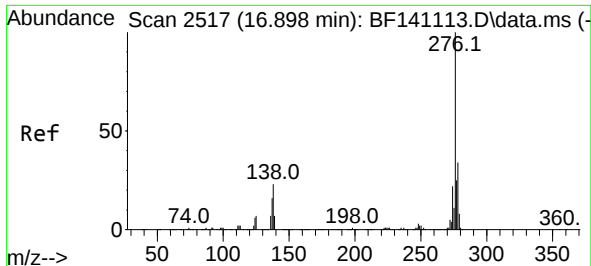
Delta R.T. 0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Tgt Ion:	264	Resp:	300089
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	28.0
265	21.8	17.4	26.0

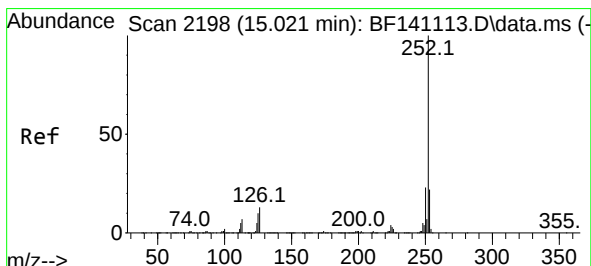
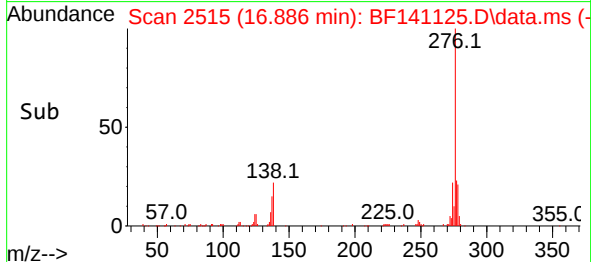
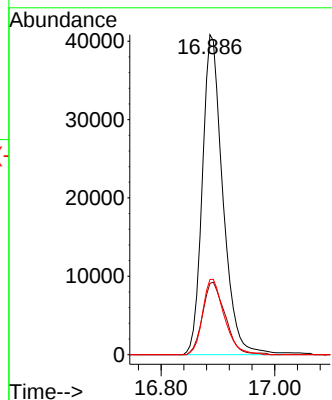
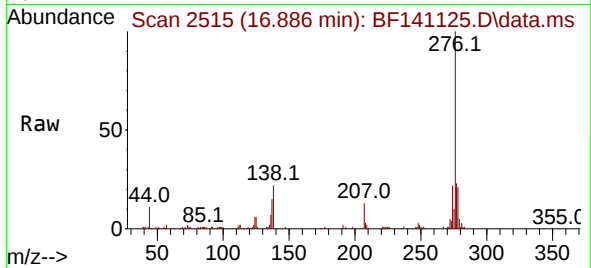




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.651 ng
 RT: 16.886 min Scan# 2197
 Delta R.T. -0.012 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

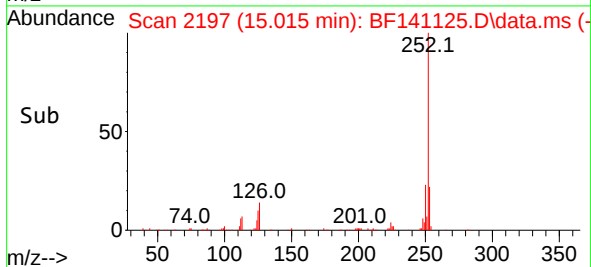
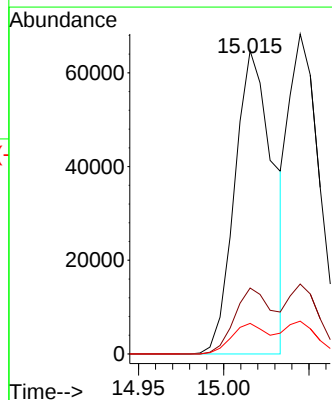
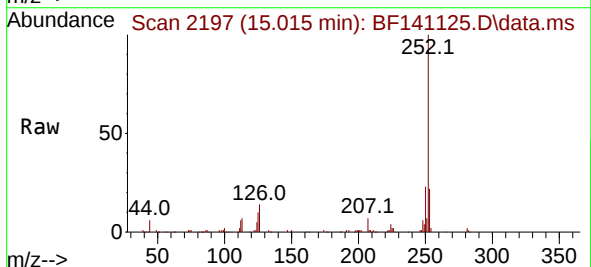
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT1-2024

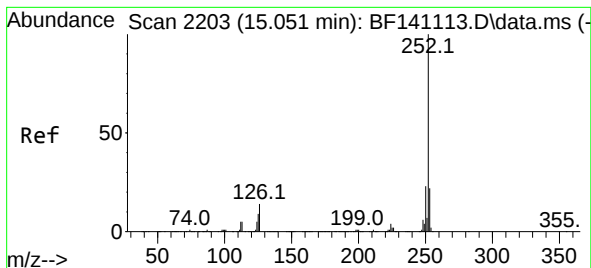
Tgt Ion:276 Resp: 102259
 Ion Ratio Lower Upper
 276 100
 138 24.8 20.7 31.1
 277 24.8 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 5.237 ng
 RT: 15.015 min Scan# 2197
 Delta R.T. -0.006 min
 Lab File: BF141125.D
 Acq: 13 Jan 2025 13:52

Tgt Ion:252 Resp: 101340
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.8 26.6
 125 10.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 5.359 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

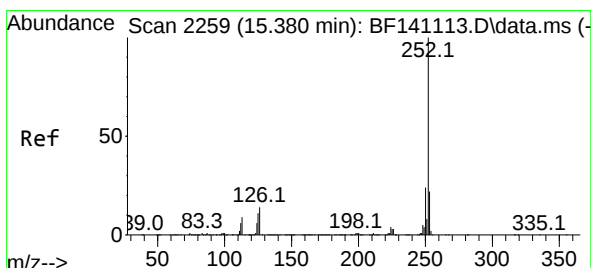
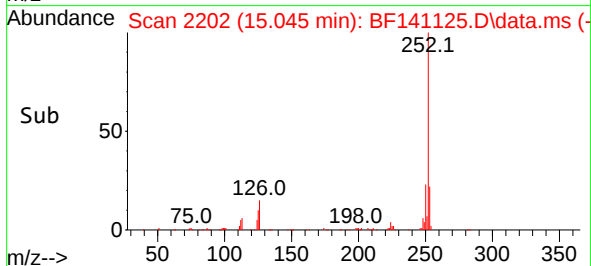
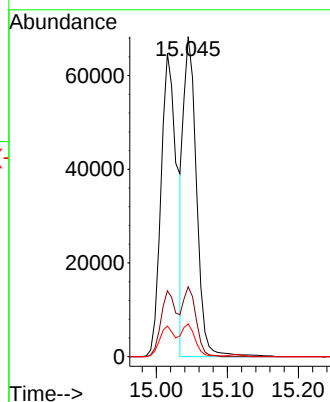
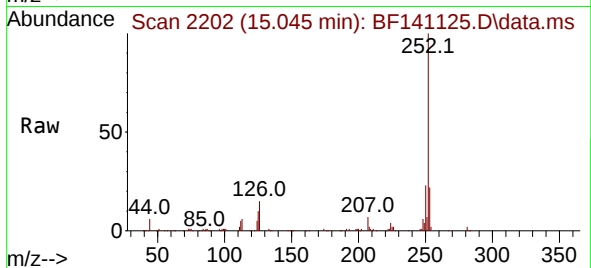
Tgt Ion:252 Resp: 87638

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 5.264 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

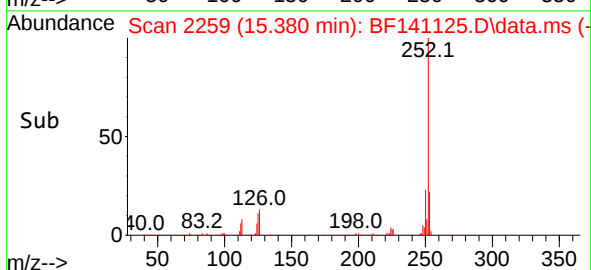
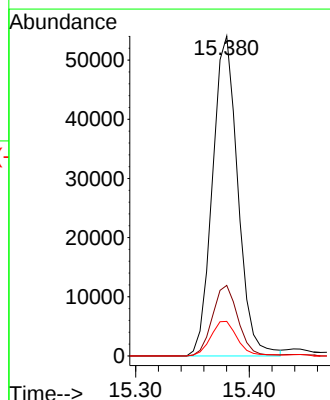
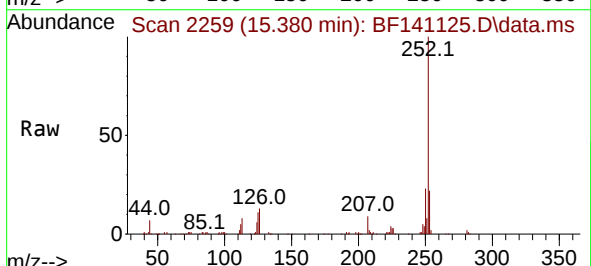
Tgt Ion:252 Resp: 84039

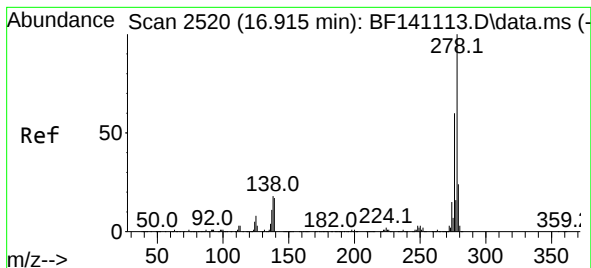
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.8 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 4.579 ng

RT: 16.909 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

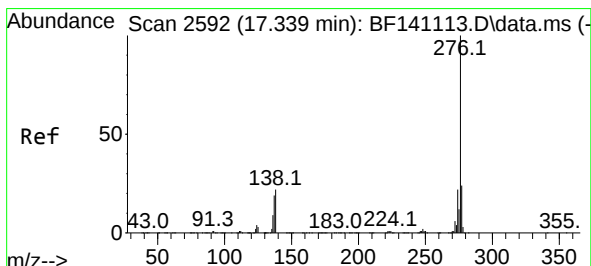
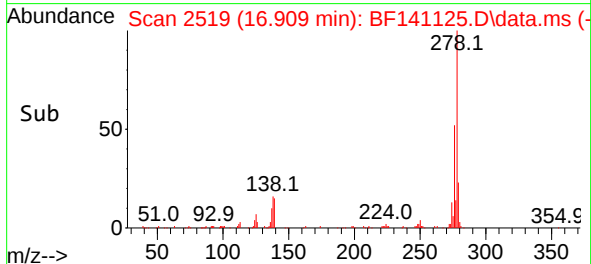
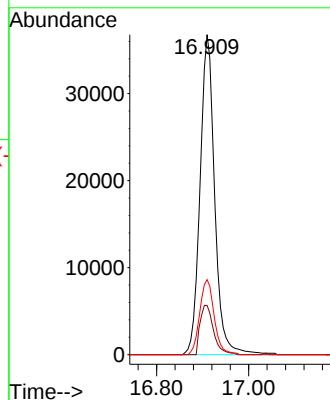
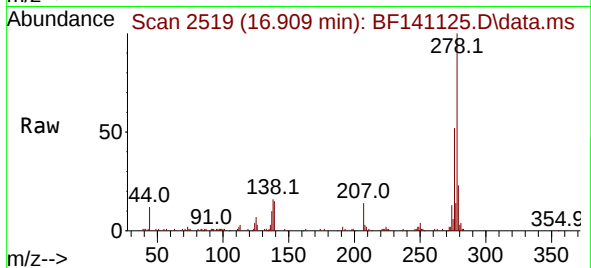
Tgt Ion:278 Resp: 81430

Ion Ratio Lower Upper

278 100

139 15.4 13.8 20.6

279 23.5 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 4.335 ng

RT: 17.321 min Scan# 2589

Delta R.T. -0.018 min

Lab File: BF141125.D

Acq: 13 Jan 2025 13:52

Tgt Ion:276 Resp: 80186

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.1 17.4 26.2

