

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143106.D
 Acq On : 16 Jul 2025 11:03
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 16 11:44:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	139692	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	535119	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	271528	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	447459	20.000	ng	0.00
76) Chrysene-d12	14.127	240	246073	20.000	ng	0.00
86) Perylene-d12	15.633	264	228451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	928379	105.001	ng	0.00
7) Phenol-d6	6.586	99	1211194	108.980	ng	0.00
23) Nitrobenzene-d5	7.522	82	743447	77.938	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	295303	121.971	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1373769	67.254	ng	0.00
79) Terphenyl-d14	13.074	244	1239839	73.653	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	18223	4.140	ng	98
3) Pyridine	3.622	79	44754	4.016	ng	99
4) n-Nitrosodimethylamine	3.510	42	23290	4.033	ng	# 98
6) Aniline	6.628	93	66701	4.262	ng	100
8) 2-Chlorophenol	6.751	128	39964	4.499	ng	# 77
9) Benzaldehyde	6.516	77	35141	4.150	ng	98
10) Phenol	6.598	94	56148	4.667	ng	# 70
11) bis(2-Chloroethyl)ether	6.698	93	42161	4.527	ng	98
12) 1,3-Dichlorobenzene	6.910	146	44541	4.438	ng	97
13) 1,4-Dichlorobenzene	6.986	146	45900	4.546	ng	98
14) 1,2-Dichlorobenzene	7.139	146	43341	4.501	ng	99
15) Benzyl Alcohol	7.092	79	32414	3.936	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	76514	4.456	ng	99
17) 2-Methylphenol	7.198	107	32164	4.196	ng	99
18) Hexachloroethane	7.486	117	14302	4.351	ng	95
19) n-Nitroso-di-n-propyla...	7.363	70	29599	4.347	ng	96
20) 3+4-Methylphenols	7.351	107	42802	4.553	ng	# 86
22) Acetophenone	7.363	105	61373	4.758	ng	96
24) Nitrobenzene	7.539	77	44943	4.881	ng	98
25) Isophorone	7.775	82	78369	4.251	ng	99
26) 2-Nitrophenol	7.857	139	10829	6.632	ng	93
27) 2,4-Dimethylphenol	7.886	122	38965	4.553	ng	98
28) bis(2-Chloroethoxy)met...	7.986	93	49313	4.411	ng	99
29) 2,4-Dichlorophenol	8.092	162	30427	4.346	ng	97
30) 1,2,4-Trichlorobenzene	8.186	180	35788	4.504	ng	98
31) Naphthalene	8.269	128	123448	4.646	ng	99
32) Benzoic acid	7.922	122	7026	7.945	ng	94
33) 4-Chloroaniline	8.304	127	47562	4.451	ng	98
34) Hexachlorobutadiene	8.392	225	21602	4.546	ng	99
35) Caprolactam	8.622	113	7739	3.540	ng	96
36) 4-Chloro-3-methylphenol	8.775	107	31615	4.054	ng	97
37) 2-Methylnaphthalene	8.957	142	70322	4.436	ng	98
38) 1-Methylnaphthalene	9.057	142	76800	4.671	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	35811	4.526	ng	99
41) Hexachlorocyclopentadiene	9.116	237	15691	3.577	ng	96
43) 2,4,6-Trichlorophenol	9.227	196	19355	3.937	ng	100

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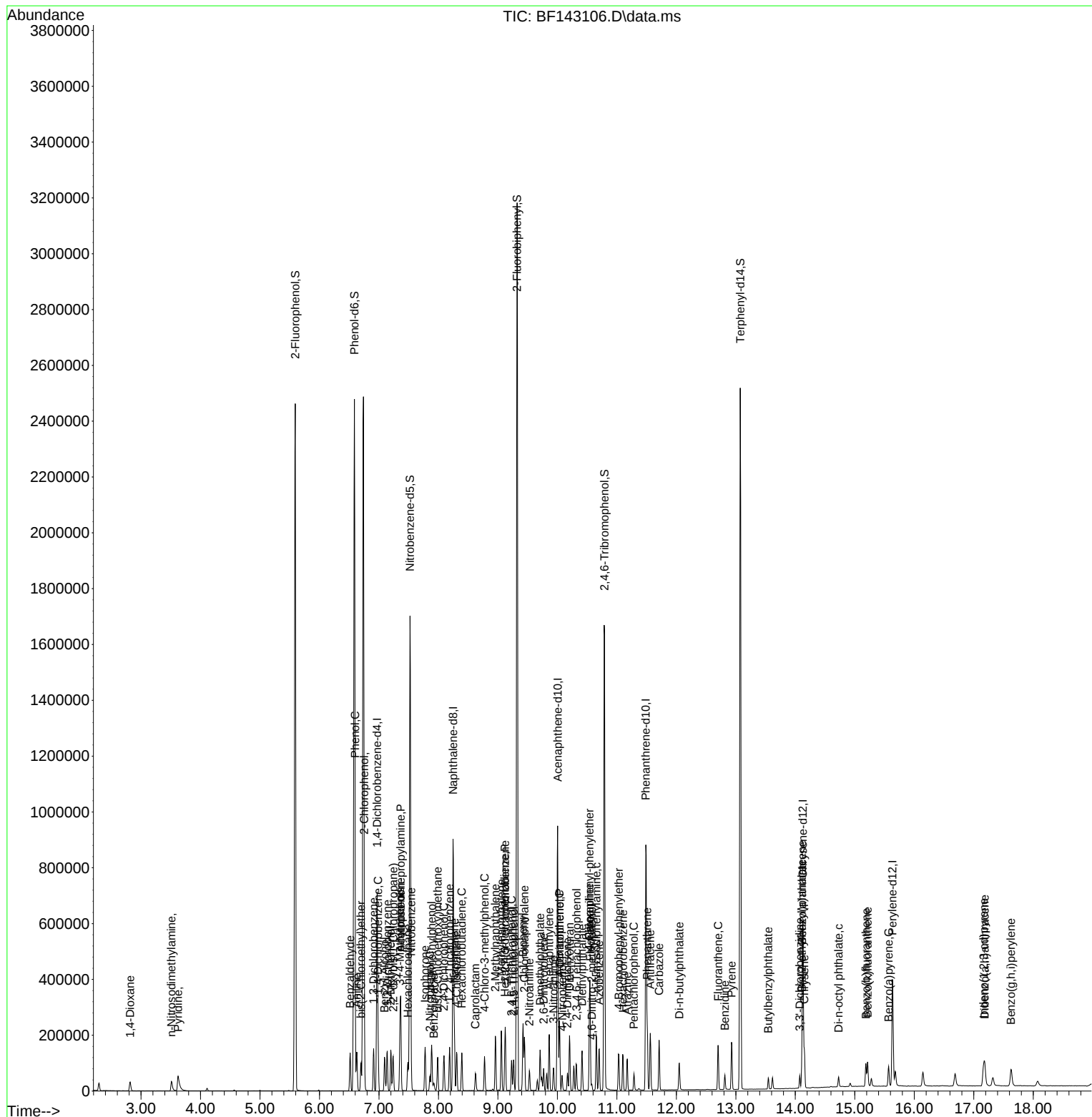
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	21667	4.203	ng	95
46) 1,1'-Biphenyl	9.422	154	99227	4.582	ng	99
47) 2-Chloronaphthalene	9.445	162	69925	4.396	ng	99
48) 2-Nitroaniline	9.527	65	14656	6.057	ng	92
49) Acenaphthylene	9.863	152	114541	4.321	ng	99
50) Dimethylphthalate	9.710	163	75767	4.435	ng	100
51) 2,6-Dinitrotoluene	9.769	165	11308	5.951	ng	96
52) Acenaphthene	10.033	154	70783	4.525	ng	99
53) 3-Nitroaniline	9.933	138	14132	3.829	ng #	97
54) 2,4-Dinitrophenol	10.039	184	2232	7.185	ng #	1
55) Dibenzofuran	10.204	168	104992	4.503	ng	98
56) 4-Nitrophenol	10.080	139	9480	3.232	ng	96
57) 2,4-Dinitrotoluene	10.169	165	11723	5.983	ng	90
58) Fluorene	10.551	166	81661	4.672	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	16586	4.048	ng #	97
60) Diethylphthalate	10.416	149	71366	4.330	ng	98
61) 4-Chlorophenyl-phenyle...	10.539	204	37948	4.529	ng	97
62) 4-Nitroaniline	10.539	138	12081	3.764	ng	90
63) Azobenzene	10.698	77	78222	4.292	ng	98
65) 4,6-Dinitro-2-methylph...	10.580	198	3427	7.619	ng	97
66) n-Nitrosodiphenylamine	10.657	169	67021	4.264	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	21198	4.166	ng	99
68) Hexachlorobenzene	11.104	284	23014	4.262	ng	96
69) Atrazine	11.174	200	16252	4.042	ng	99
70) Pentachlorophenol	11.286	266	9392	3.171	ng	97
71) Phenanthrene	11.510	178	109934	4.552	ng	99
72) Anthracene	11.563	178	104712	4.312	ng	100
73) Carbazole	11.710	167	93729	4.308	ng	99
74) Di-n-butylphthalate	12.051	149	74312	3.721	ng	100
75) Fluoranthene	12.704	202	94213	4.291	ng	98
77) Benzidine	12.815	184	28519	3.402	ng	97
78) Pyrene	12.927	202	98267	4.304	ng	100
80) Butylbenzylphthalate	13.545	149	11729	5.786	ng	97
81) Benzo(a)anthracene	14.115	228	65576	3.999	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	13908	2.921	ng #	95
83) Chrysene	14.151	228	64956	4.301	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	15610	5.507	ng	95
85) Di-n-octyl phthalate	14.727	149	23040	8.206	ng #	91
87) Indeno(1,2,3-cd)pyrene	17.168	276	65618	3.862	ng	98
88) Benzo(b)fluoranthene	15.186	252	45693	3.467	ng	99
89) Benzo(k)fluoranthene	15.215	252	54039	4.299	ng	98
90) Benzo(a)pyrene	15.568	252	44161	3.543	ng	98
91) Dibenzo(a,h)anthracene	17.186	278	54423	3.918	ng	98
92) Benzo(g,h,i)perylene	17.627	276	54953	3.881	ng	99

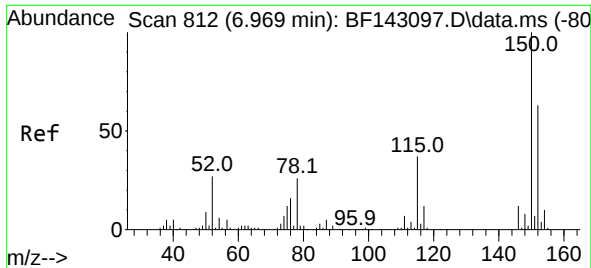
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ALS Vial : 4 Sample Multiplier: 1

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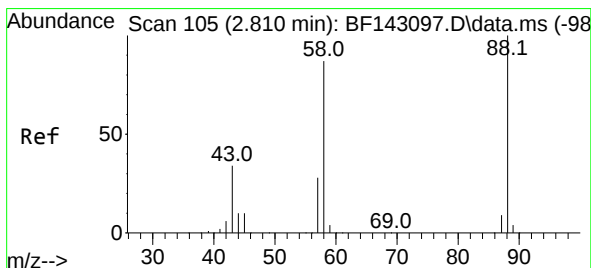
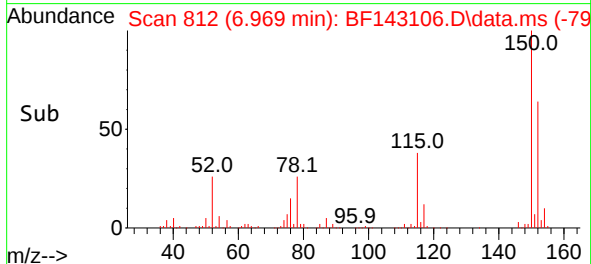
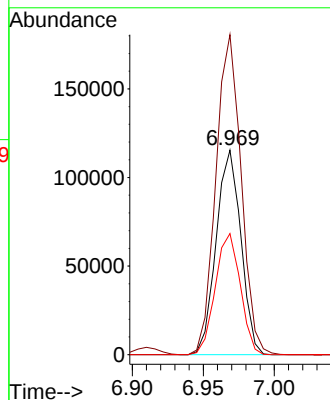
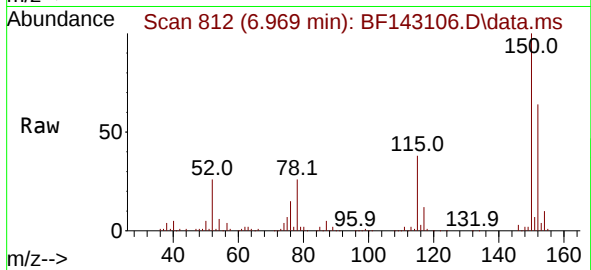




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

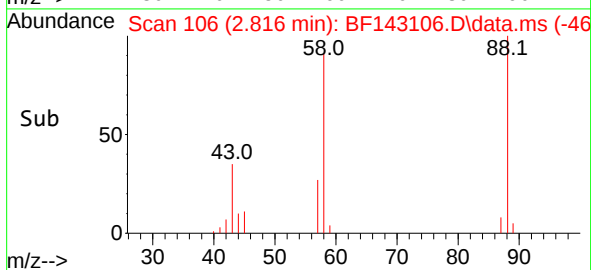
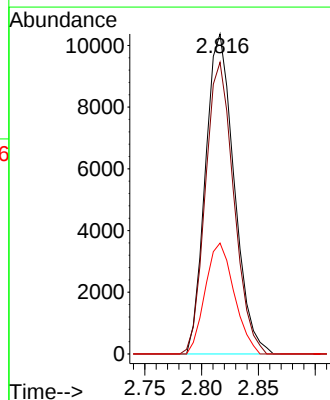
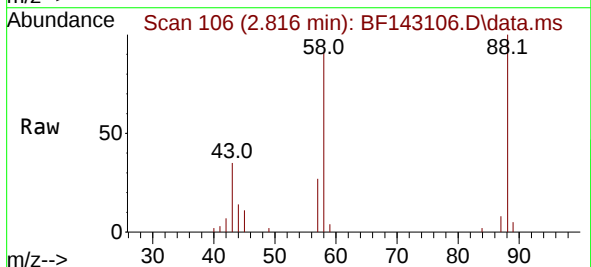
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

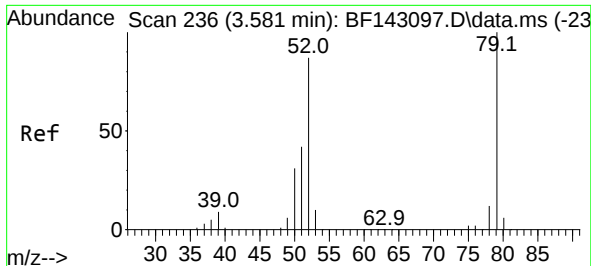
Tgt Ion:152 Resp: 139692
Ion Ratio Lower Upper
152 100
150 156.5 126.5 189.7
115 59.3 47.0 70.6



#2
1,4-Dioxane
Concen: 4.140 ng
RT: 2.816 min Scan# 106
Delta R.T. 0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion: 88 Resp: 18223
Ion Ratio Lower Upper
88 100
58 89.9 70.5 105.7
43 34.9 27.3 40.9

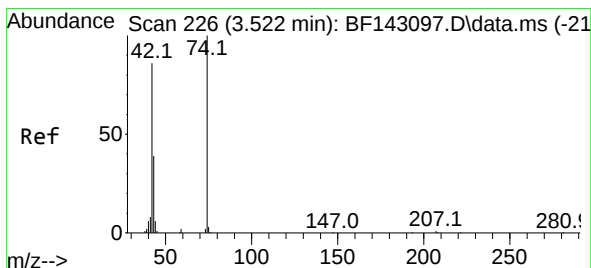
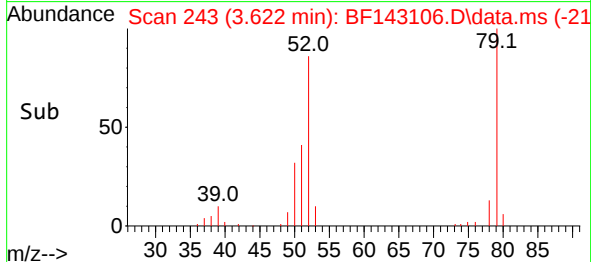
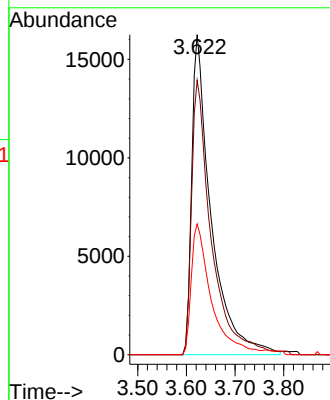
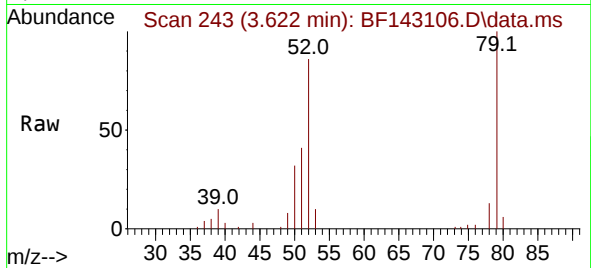




#3
Pyridine
Concen: 4.016 ng
RT: 3.622 min Scan# 24
Delta R.T. 0.041 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

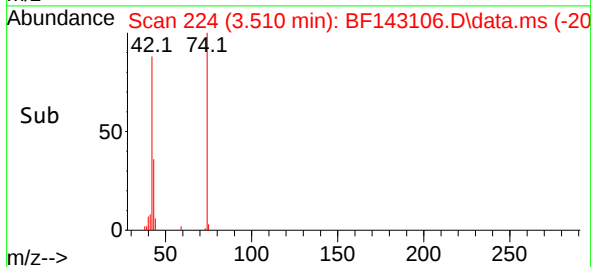
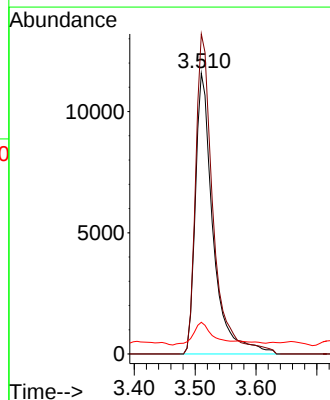
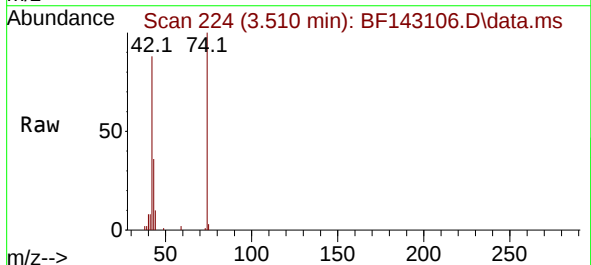
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

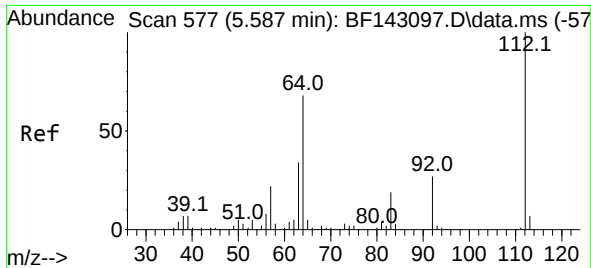
Tgt Ion: 79 Resp: 44754
Ion Ratio Lower Upper
79 100
52 85.7 69.2 103.8
51 40.9 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 4.033 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion: 42 Resp: 23290
Ion Ratio Lower Upper
42 100
74 114.0 92.8 139.2
44 11.3 5.8 8.6

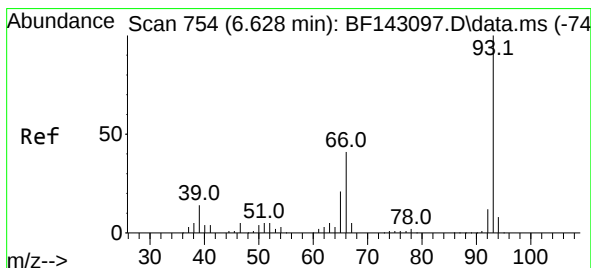
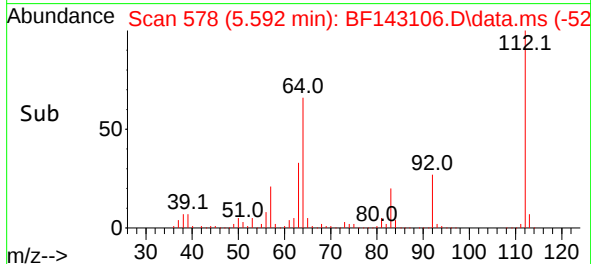
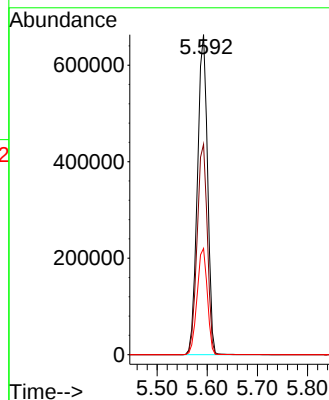
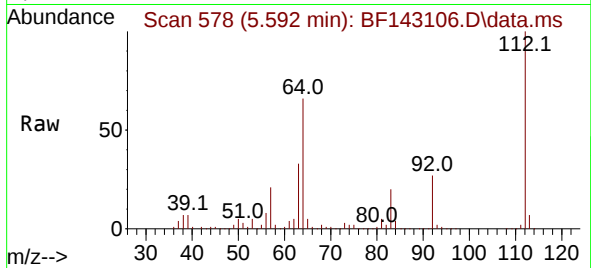




#5
2-Fluorophenol
Concen: 105.001 ng
RT: 5.592 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

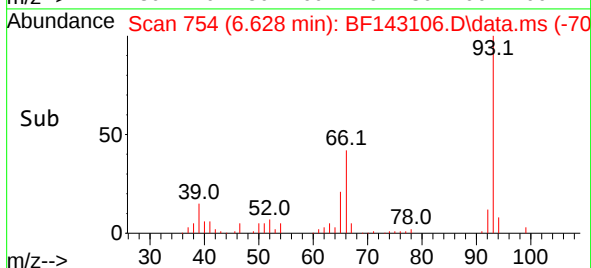
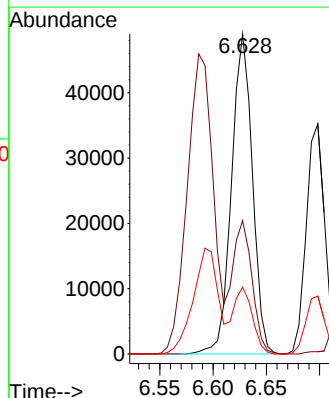
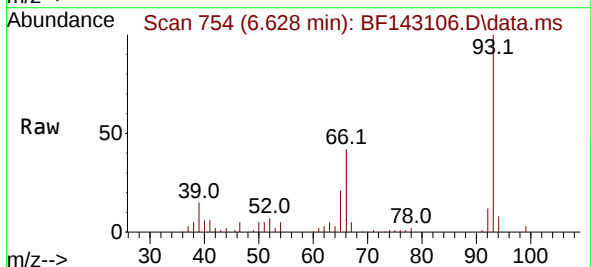
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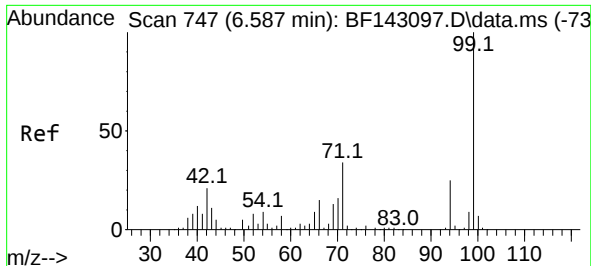
Tgt Ion:112 Resp: 928379
Ion Ratio Lower Upper
112 100
64 65.8 54.6 82.0
63 33.2 27.3 40.9



#6
Aniline
Concen: 4.262 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion: 93 Resp: 66701
Ion Ratio Lower Upper
93 100
66 41.7 33.1 49.7
65 20.9 16.9 25.3

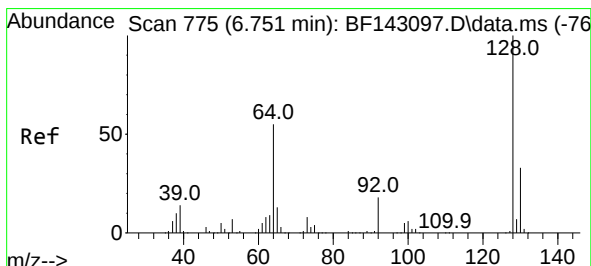
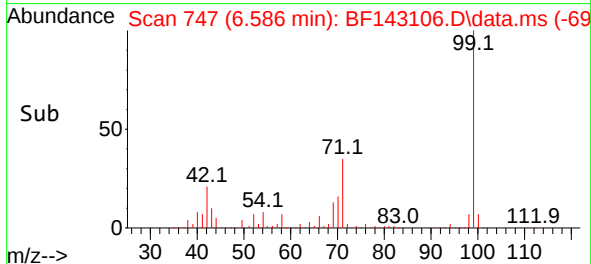
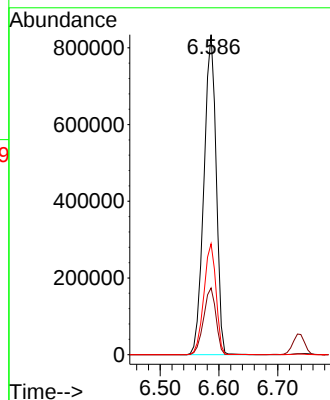
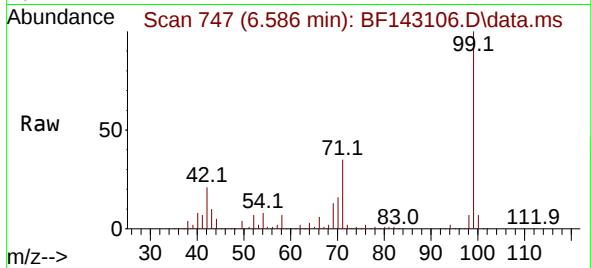




#7
Phenol-d6
Concen: 108.980 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

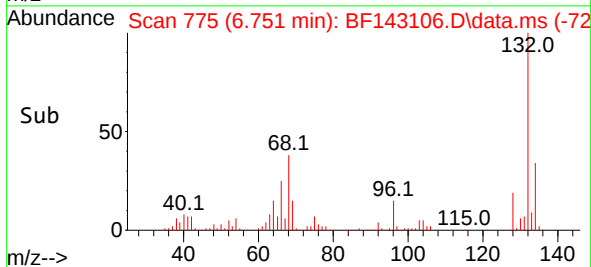
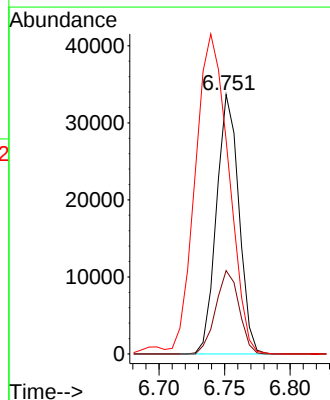
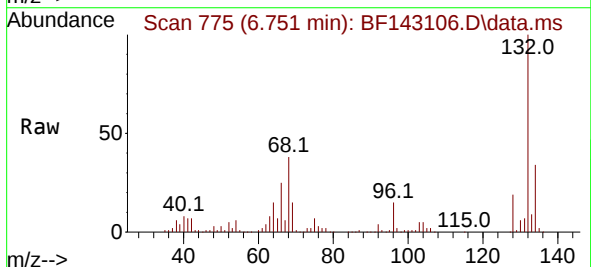
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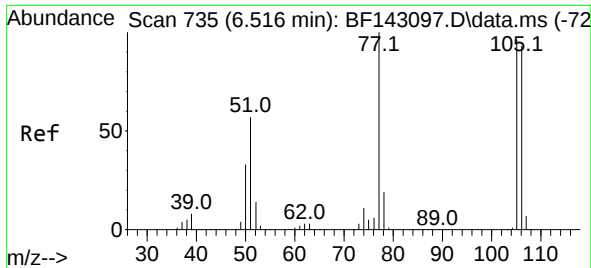
Tgt Ion: 99 Resp: 1211194
Ion Ratio Lower Upper
99 100
42 20.9 17.2 25.8
71 34.7 27.4 41.0



#8
2-Chlorophenol
Concen: 4.499 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:128 Resp: 39964
Ion Ratio Lower Upper
128 100
130 32.2 12.8 52.8
64 82.5 36.1 76.1#





#9

Benzaldehyde

Concen: 4.150 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

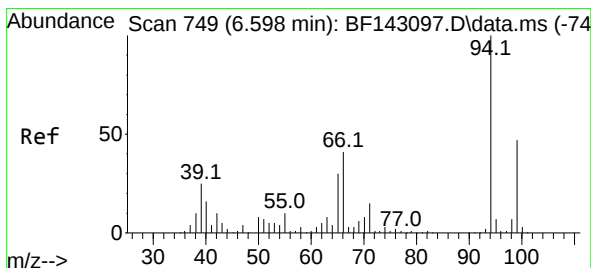
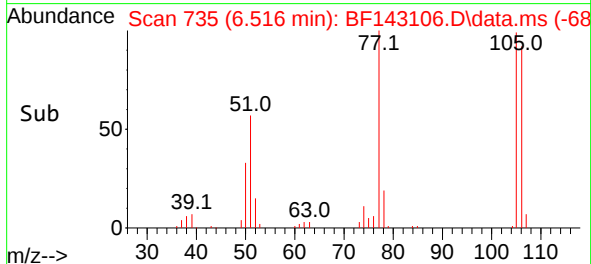
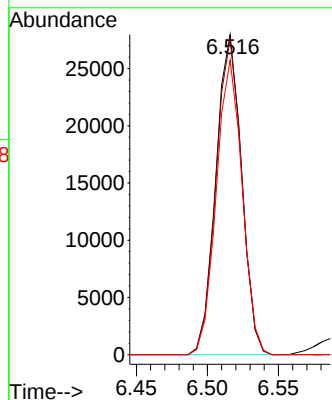
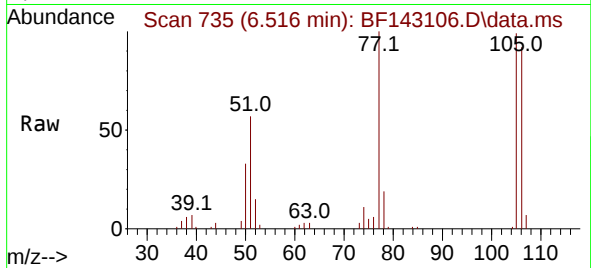
Tgt Ion: 77 Resp: 35141

Ion Ratio Lower Upper

77 100

105 98.7 76.3 116.3

106 92.0 72.8 112.8



#10

Phenol

Concen: 4.667 ng

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

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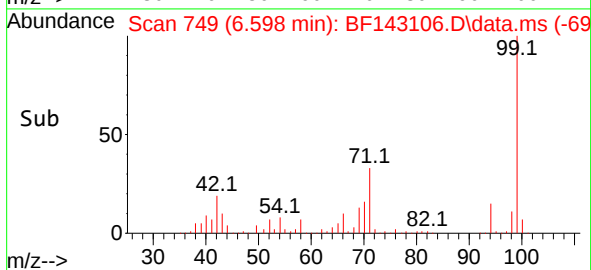
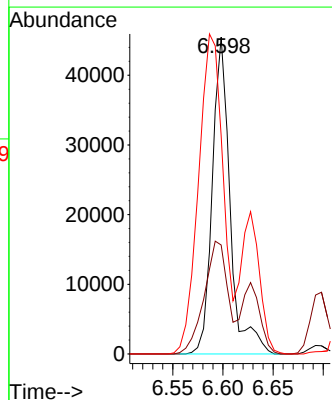
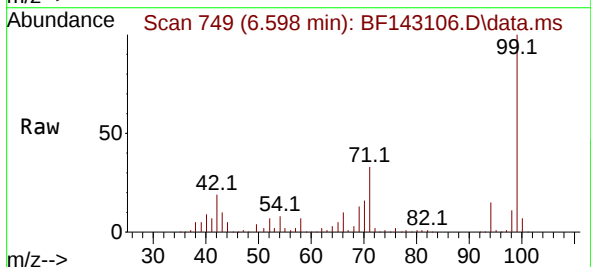
Tgt Ion: 94 Resp: 56148

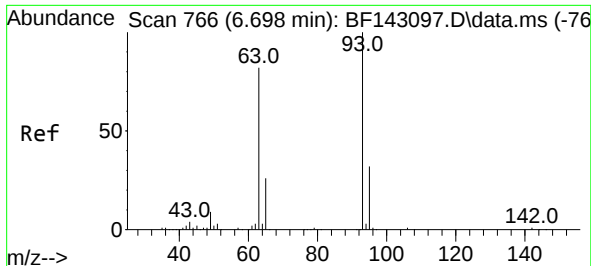
Ion Ratio Lower Upper

94 100

65 34.4 9.8 49.8

66 68.9 20.5 60.5#

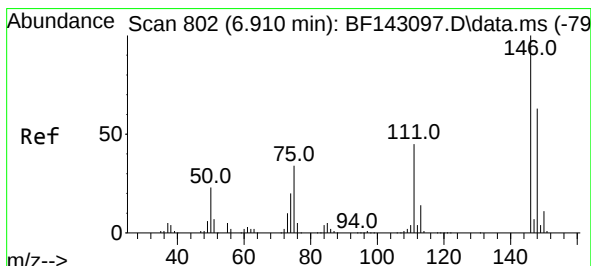
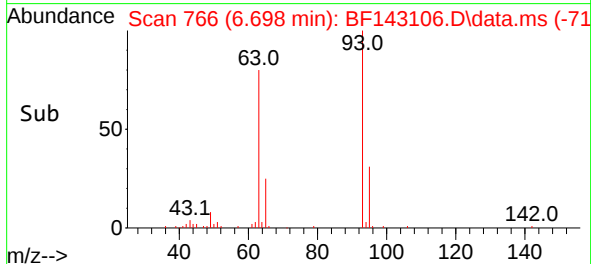
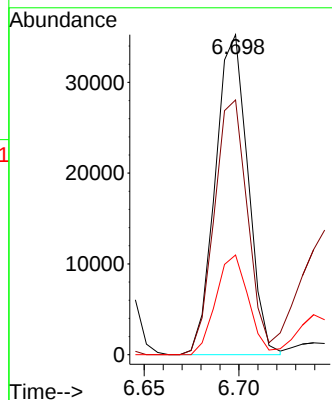
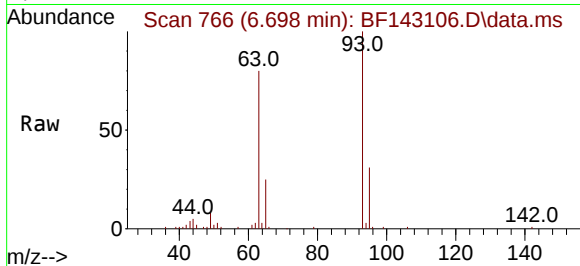




#11
bis(2-Chloroethyl)ether
Concen: 4.527 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

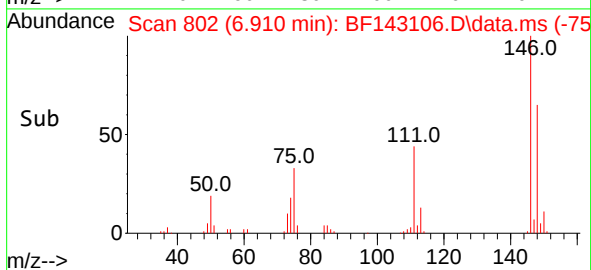
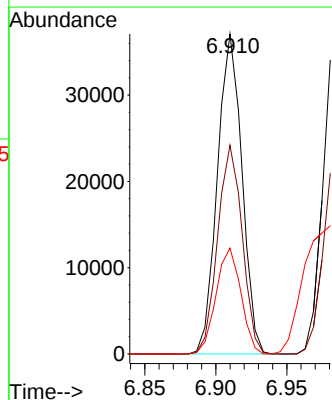
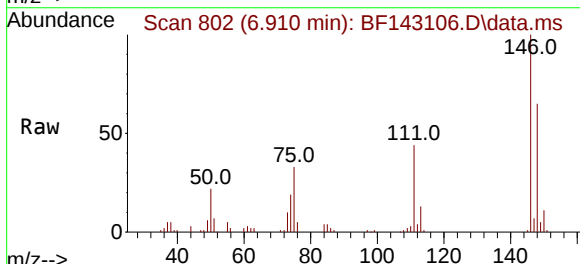
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

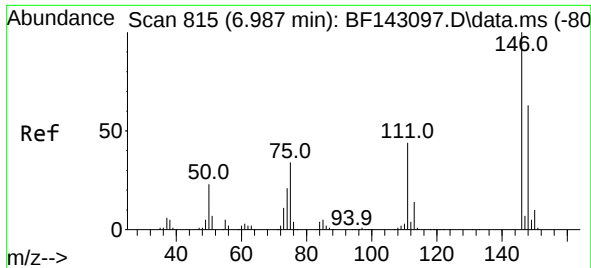
Tgt Ion: 93	Resp: 42161
Ion Ratio	Lower Upper
93 100	
63 79.6	61.9 101.9
95 31.1	12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 4.438 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:146	Resp:	44541	
Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.1	75.1
75	33.1	27.4	41.0

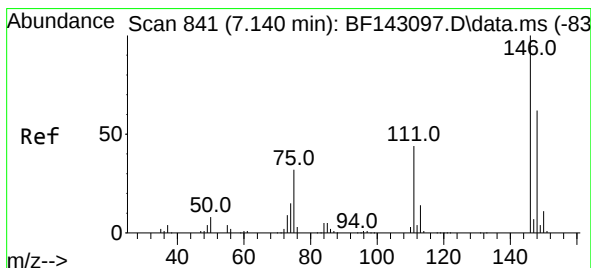
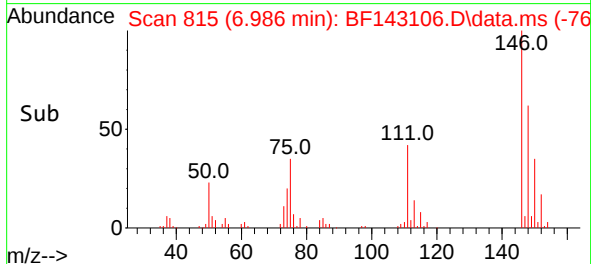
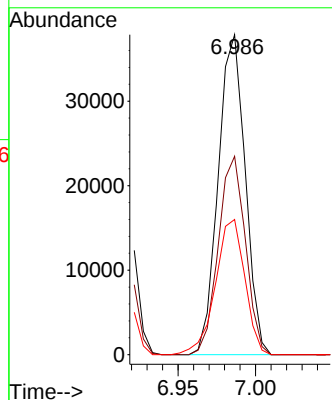
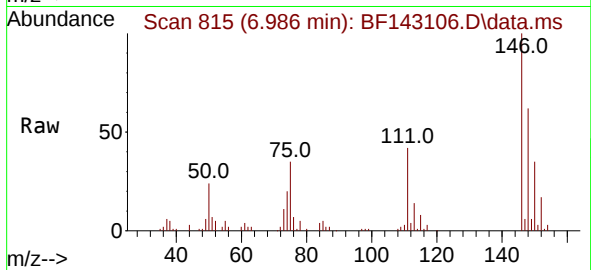




#13
1,4-Dichlorobenzene
Concen: 4.546 ng
RT: 6.986 min Scan# 815
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

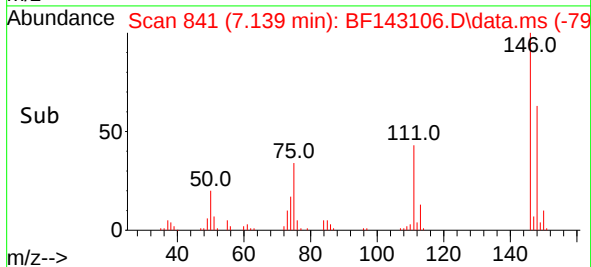
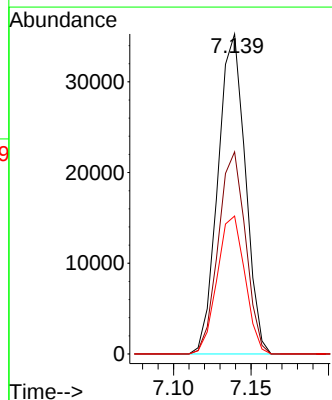
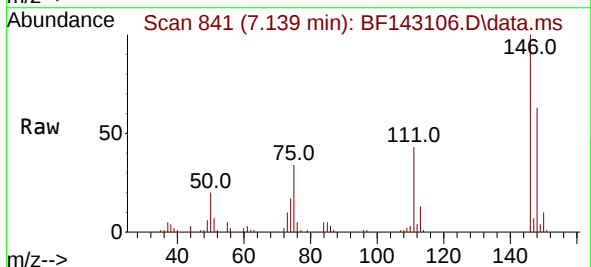
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

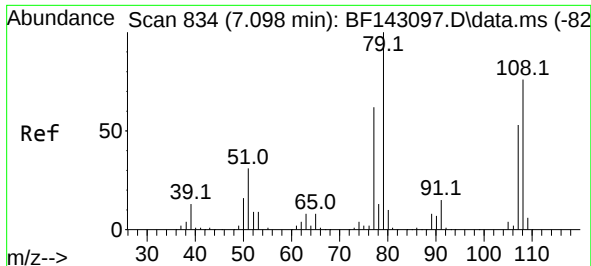
Tgt Ion:146 Resp: 45900
Ion Ratio Lower Upper
146 100
148 62.0 50.6 76.0
111 42.3 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 4.501 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:146 Resp: 43341
Ion Ratio Lower Upper
146 100
148 63.2 49.8 74.6
111 43.1 35.4 53.0

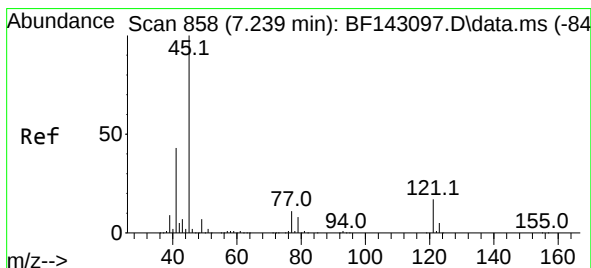
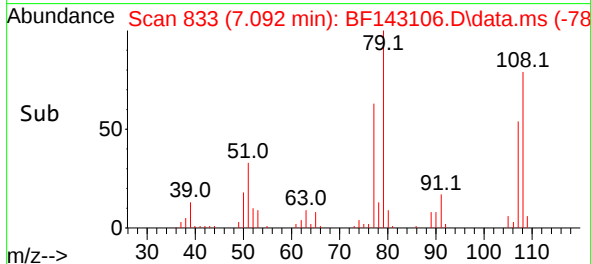
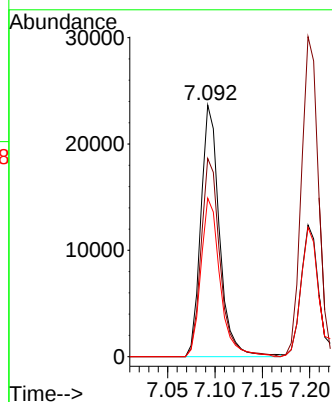
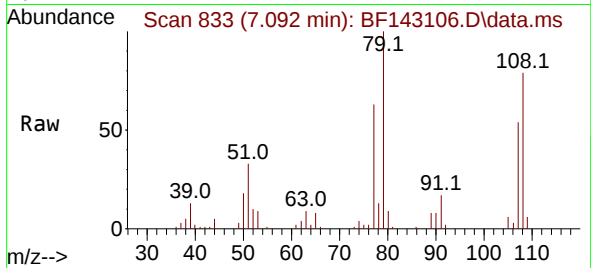




#15
Benzyl Alcohol
Concen: 3.936 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

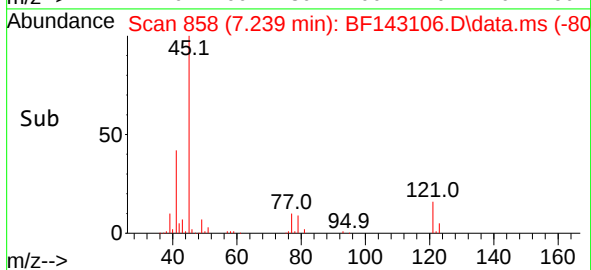
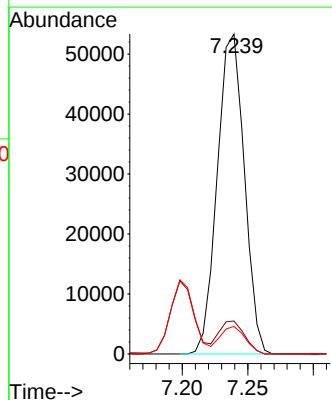
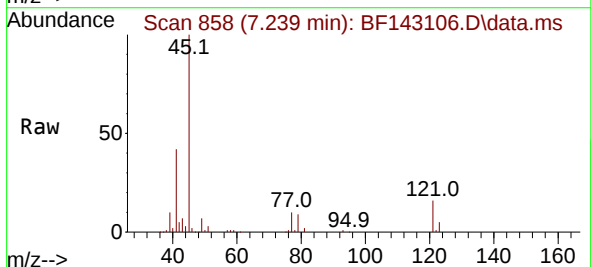
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

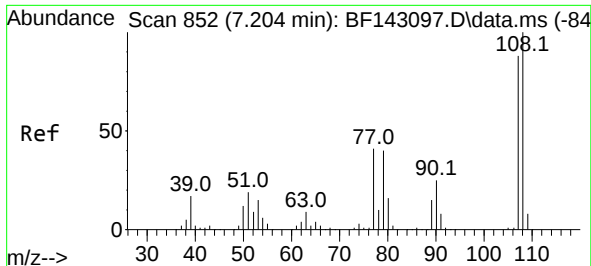
Tgt Ion: 79 Resp: 32414
Ion Ratio Lower Upper
79 100
108 78.8 61.1 91.7
77 63.0 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.456 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

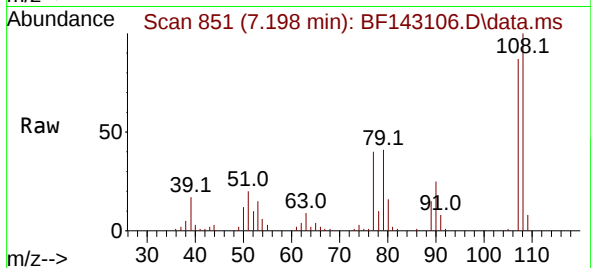
Tgt Ion: 45 Resp: 76514
Ion Ratio Lower Upper
45 100
77 10.3 0.0 31.1
79 8.6 0.0 28.4



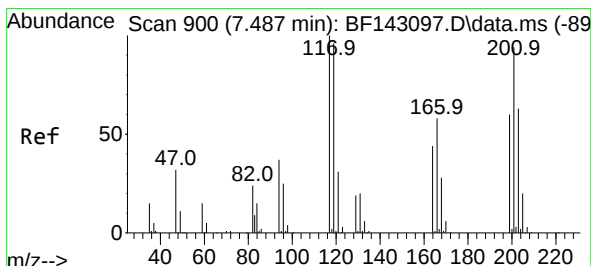
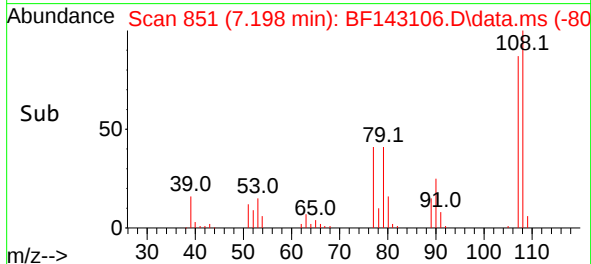
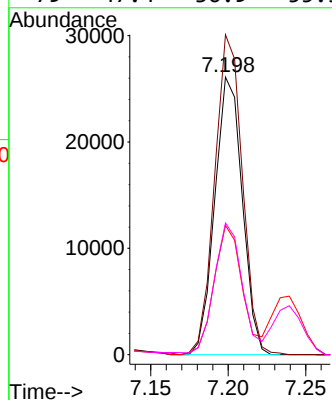


#17
2-Methylphenol
Concen: 4.196 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

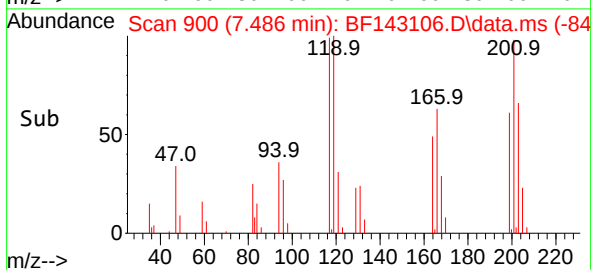
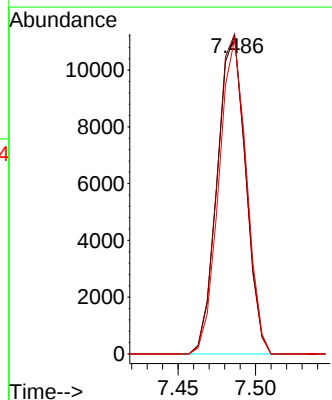
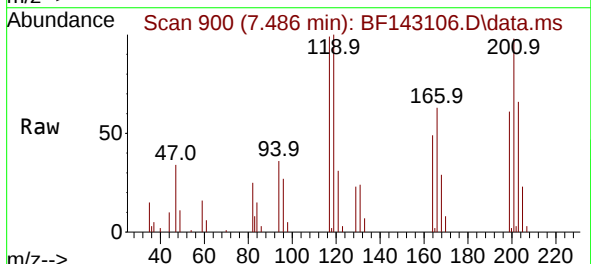


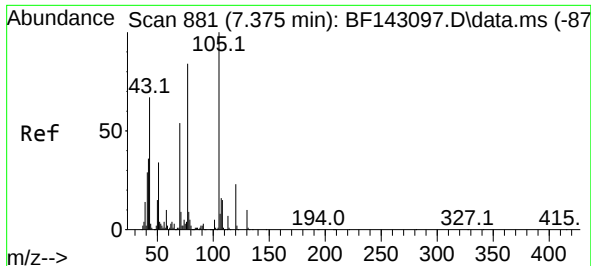
Tgt Ion:	107	Resp:	32164
Ion	Ratio	Lower	Upper
107	100		
108	115.3	90.9	136.3
77	46.6	37.5	56.3
79	47.4	36.9	55.3



#18
Hexachloroethane
Concen: 4.351 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:	117	Resp:	14302
Ion	Ratio	Lower	Upper
117	100		
119	100.6	76.7	115.1
201	99.0	75.0	112.4

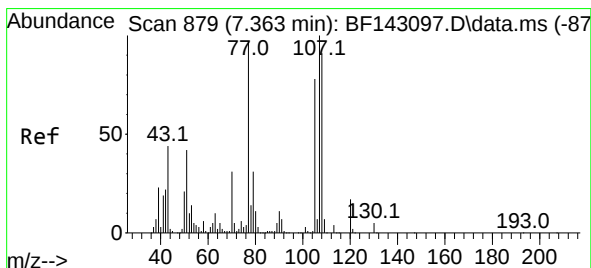
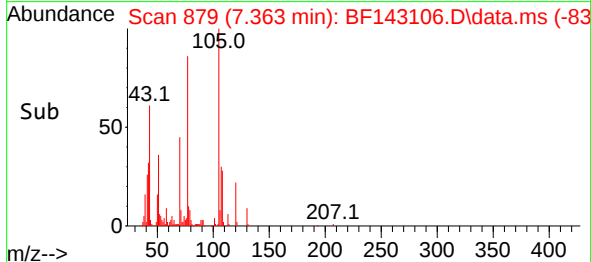
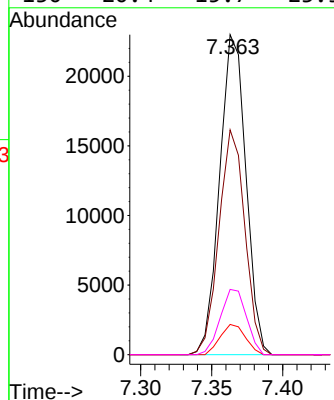
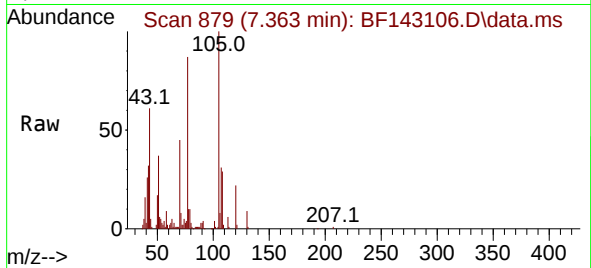




#19
n-Nitroso-di-n-propylamine
Concen: 4.347 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

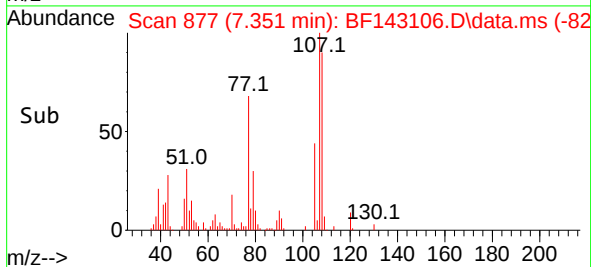
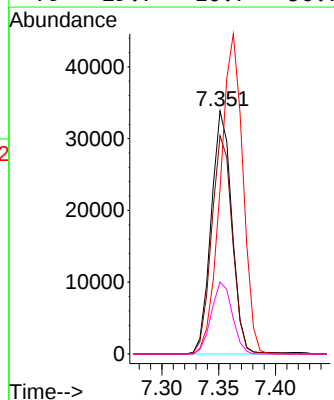
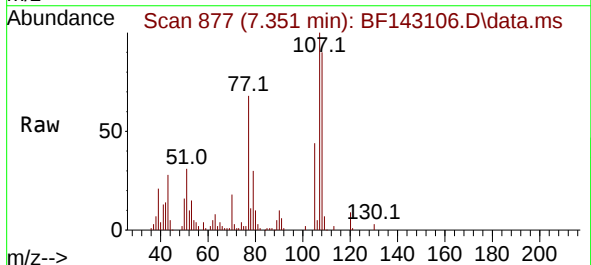
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

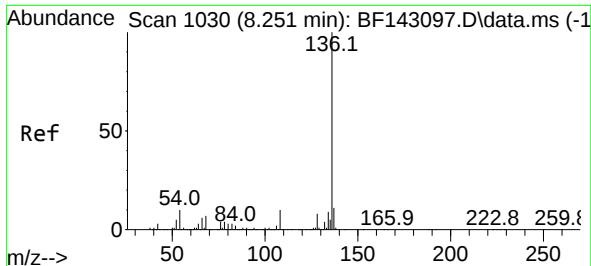
Tgt Ion:	70	Resp:	29599
Ion Ratio	Lower	Upper	
70	100		
42	70.2	53.2	79.8
101	9.5	7.5	11.3
130	20.4	15.7	23.5



#20
3+4-Methylphenols
Concen: 4.553 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:	107	Resp:	42802
Ion Ratio	Lower	Upper	
107	100		
108	89.9	71.3	111.3
77	68.0	77.2	117.2#
79	29.7	10.7	50.7

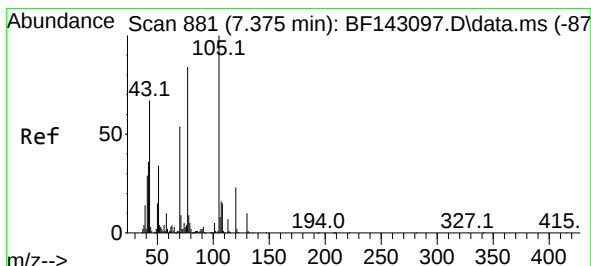
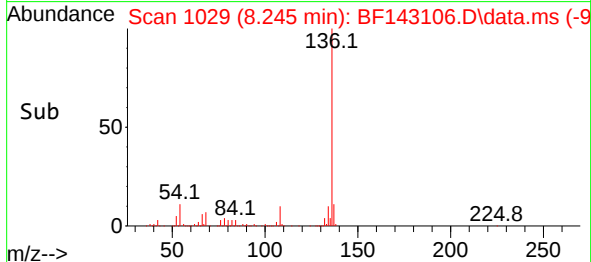
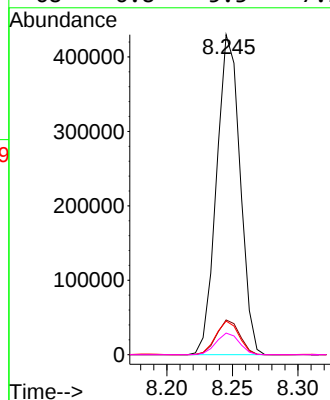
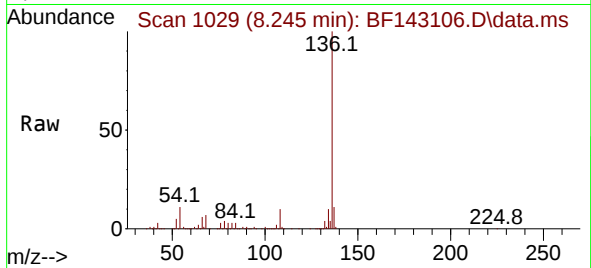




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

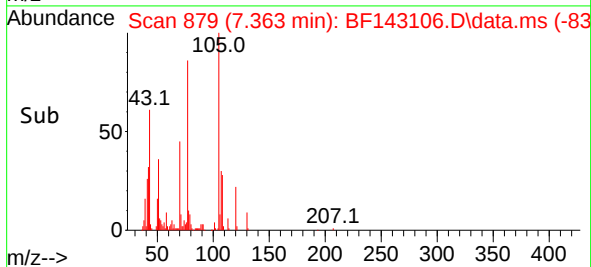
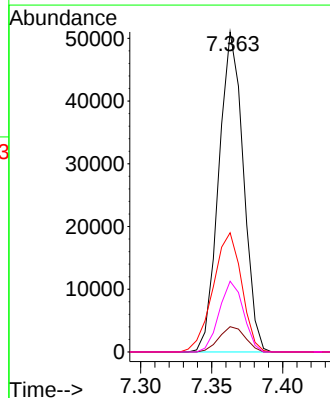
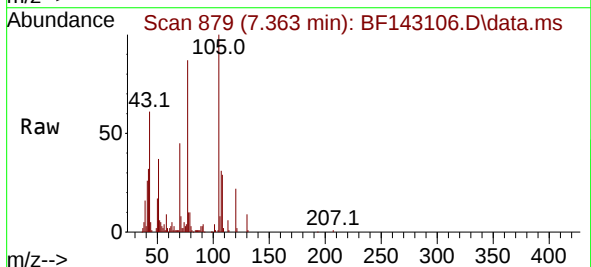
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

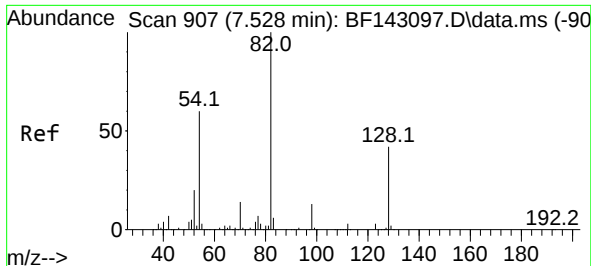
Tgt Ion:136	Resp: 535119
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 10.5	8.3 12.5
68 6.8	5.3 7.9



#22
Acetophenone
Concen: 4.758 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt	Ion:105	Resp:	61373
Ion	Ratio	Lower	Upper
105	100		
71	7.9	7.2	10.8
51	37.2	27.0	40.4
120	22.1	18.2	27.2

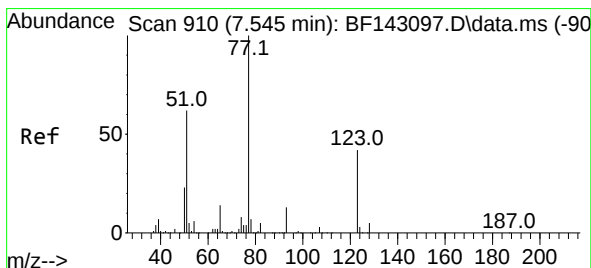
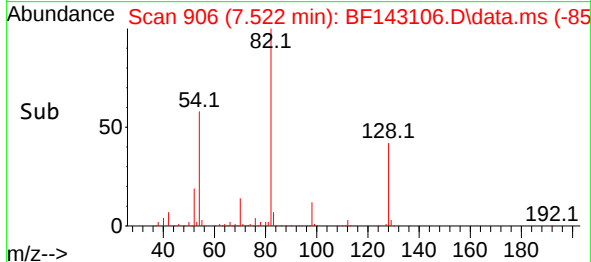
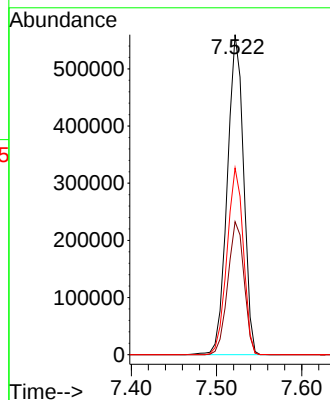
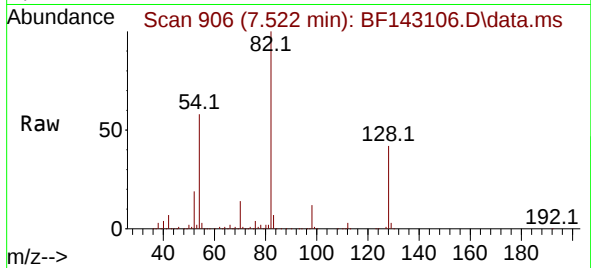




#23
Nitrobenzene-d5
Concen: 77.938 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

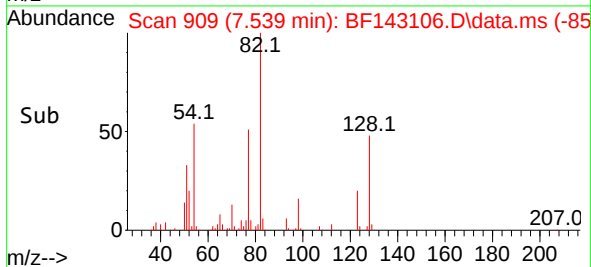
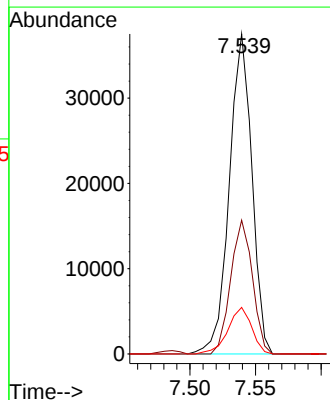
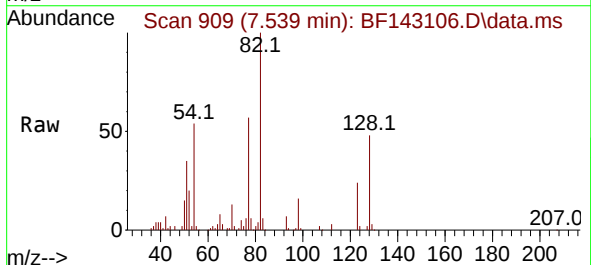
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

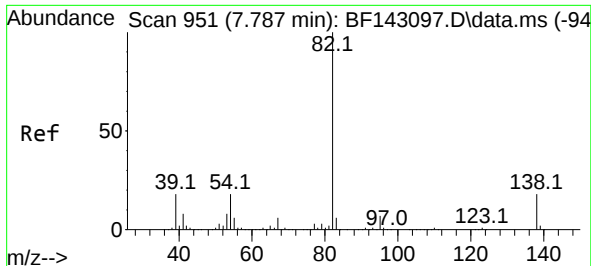
Tgt Ion: 82 Resp: 743447
Ion Ratio Lower Upper
82 100
128 41.5 33.3 49.9
54 58.4 47.4 71.2



#24
Nitrobenzene
Concen: 4.881 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion: 77 Resp: 44943
Ion Ratio Lower Upper
77 100
123 41.8 34.5 51.7
65 14.5 11.3 16.9

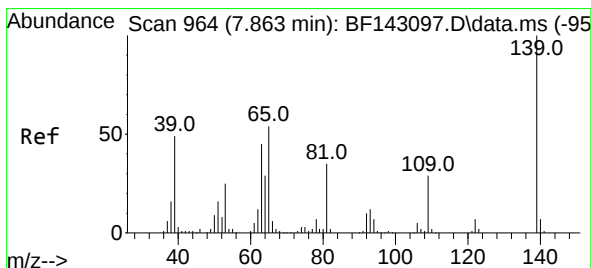
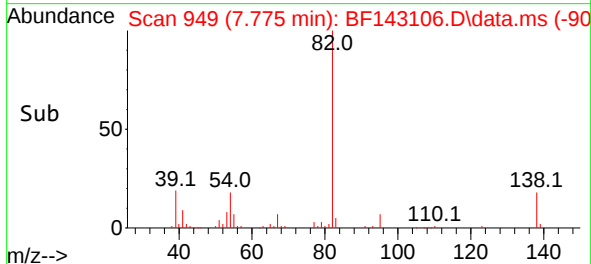
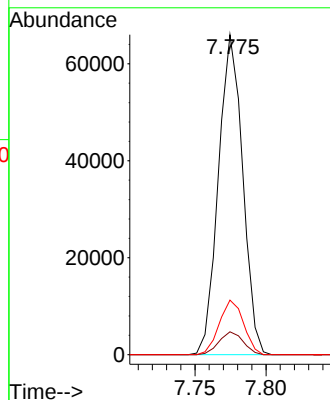
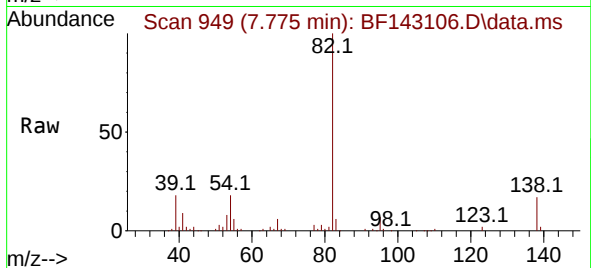




#25
Isophorone
Concen: 4.251 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

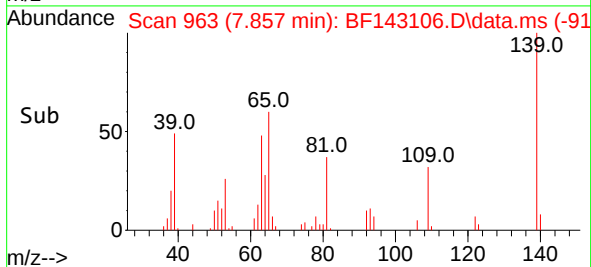
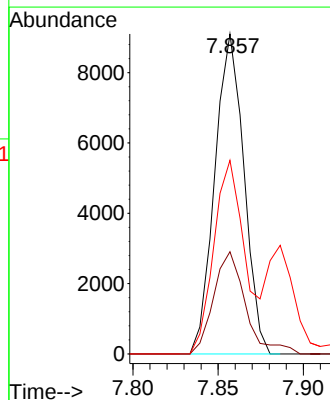
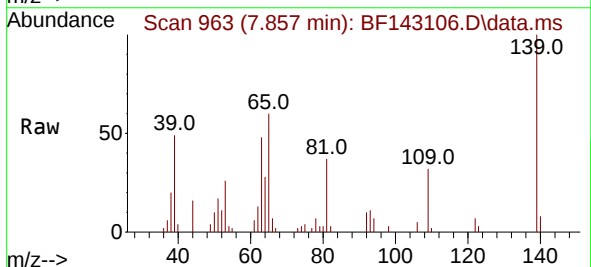
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

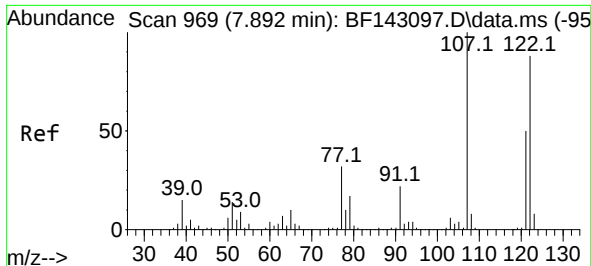
Tgt Ion: 82 Resp: 78369
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.1 14.3 21.5



#26
2-Nitrophenol
Concen: 6.632 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:139 Resp: 10829
Ion Ratio Lower Upper
139 100
109 32.0 23.4 35.0
65 60.5 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 4.553 ng

RT: 7.886 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

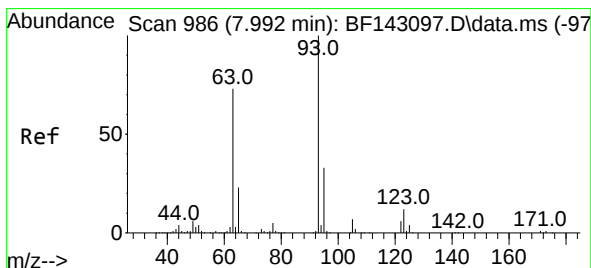
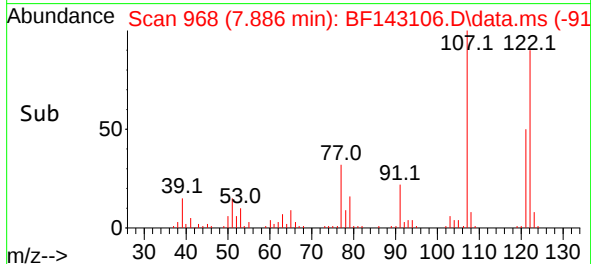
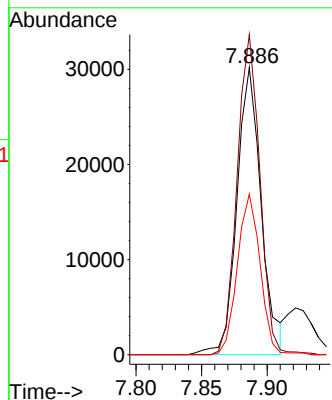
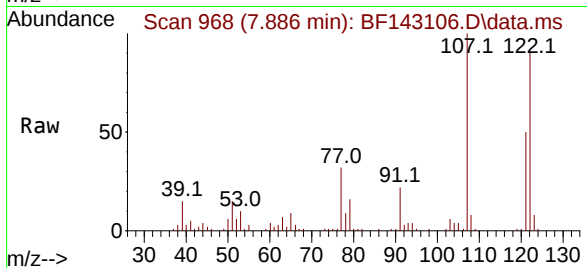
Tgt Ion:122 Resp: 38965

Ion Ratio Lower Upper

122 100

107 111.4 91.3 136.9

121 55.9 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 4.411 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

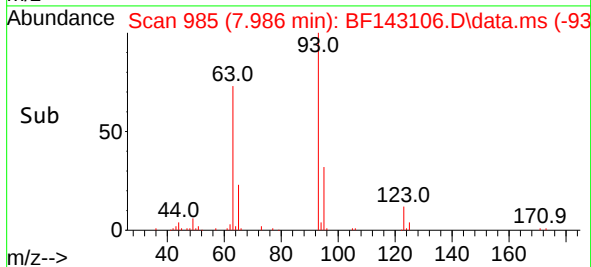
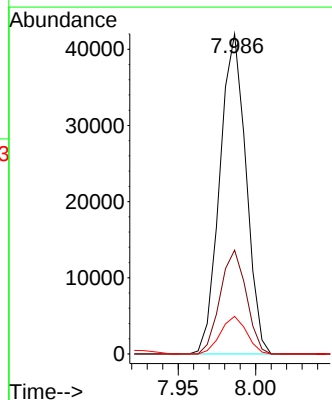
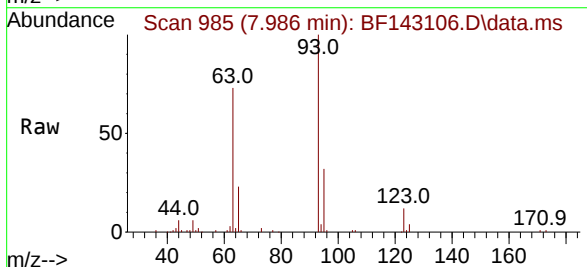
Tgt Ion: 93 Resp: 49313

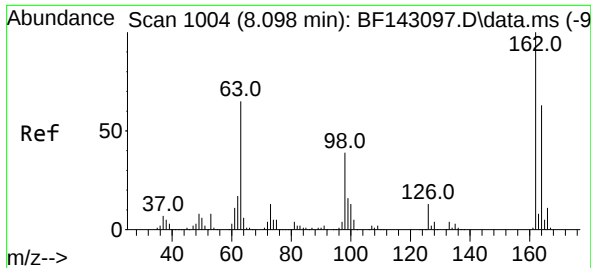
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 11.8 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.346 ng

RT: 8.092 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

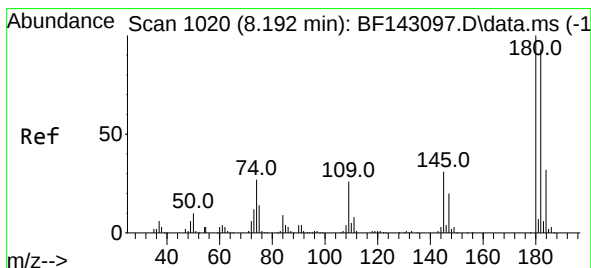
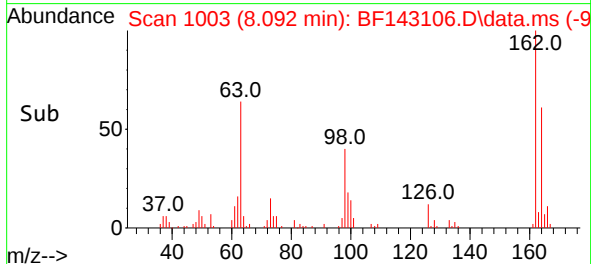
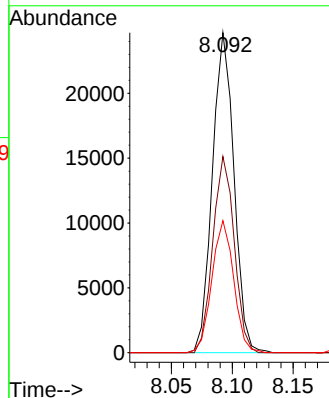
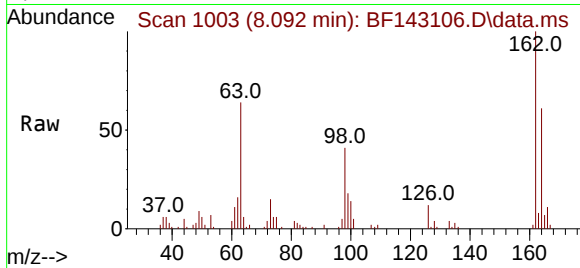
Tgt Ion:162 Resp: 30427

Ion Ratio Lower Upper

162 100

164 61.3 43.1 83.1

98 41.2 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 4.504 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

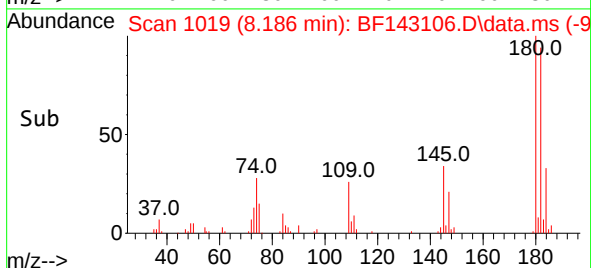
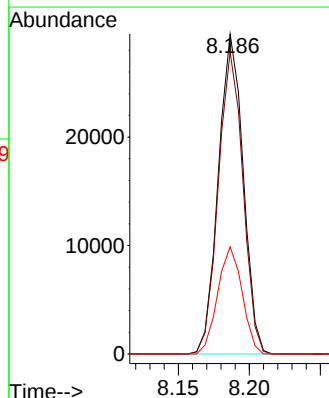
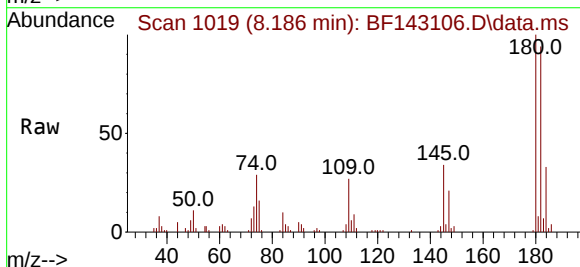
Tgt Ion:180 Resp: 35788

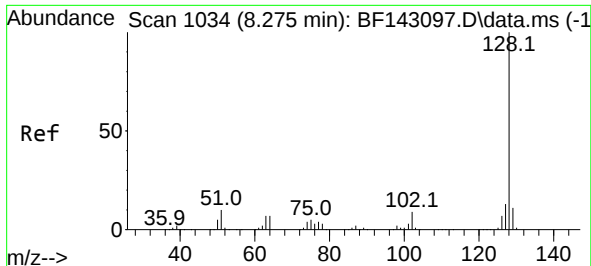
Ion Ratio Lower Upper

180 100

182 94.3 74.7 112.1

145 33.5 24.5 36.7

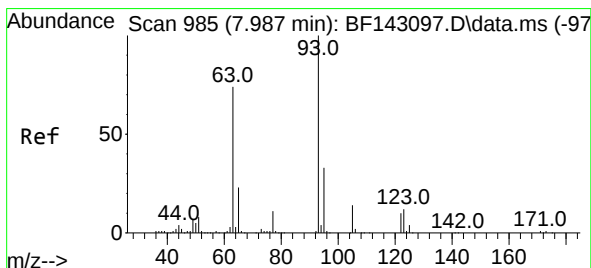
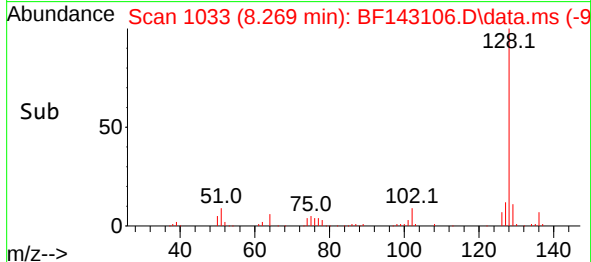
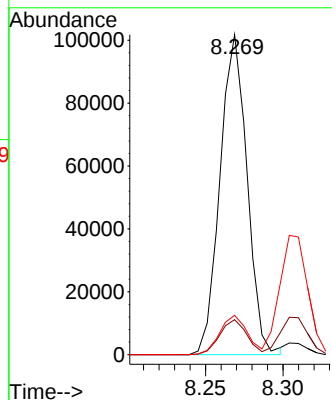
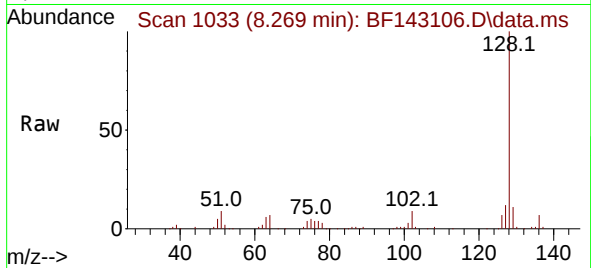




#31
Naphthalene
Concen: 4.646 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

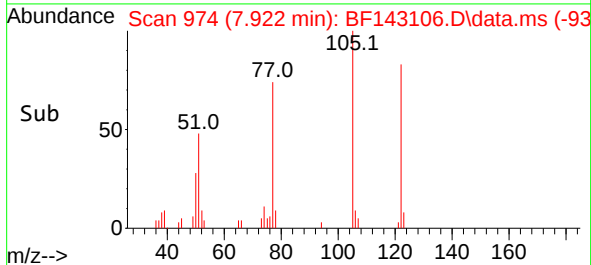
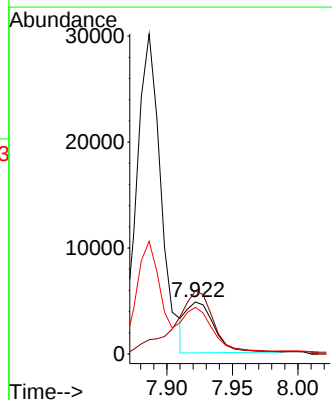
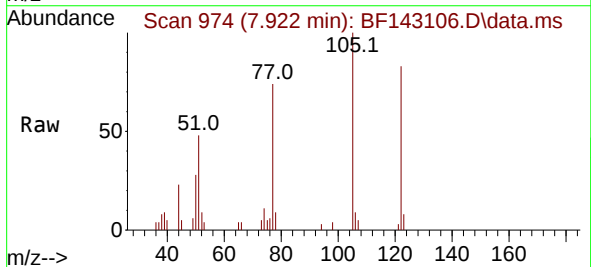
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

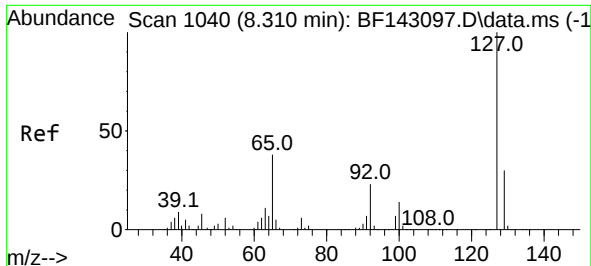
Tgt Ion:128 Resp: 123448
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.3 10.5 15.7



#32
Benzoic acid
Concen: 7.945 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:122 Resp: 7026
Ion Ratio Lower Upper
122 100
105 121.0 105.4 145.4
77 89.7 78.6 118.6

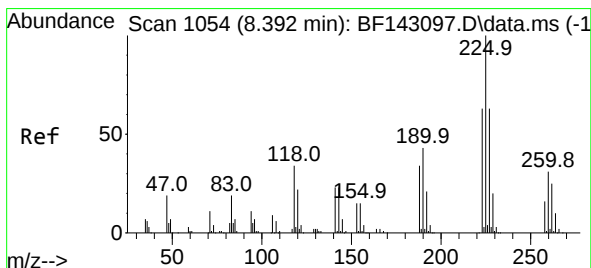
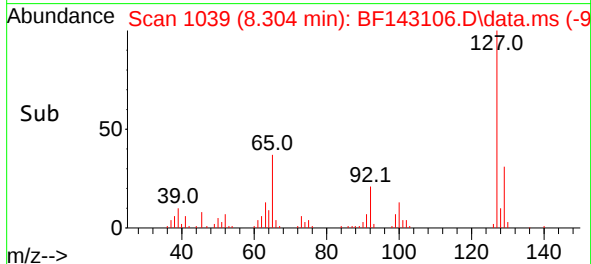
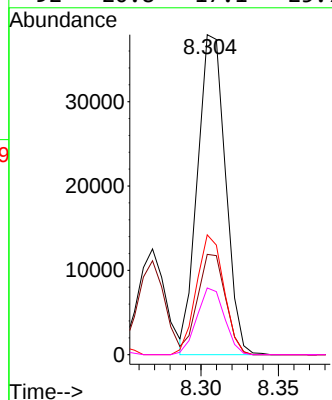
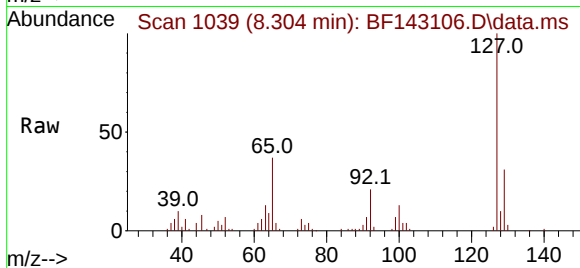




#33
4-Chloroaniline
Concen: 4.451 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

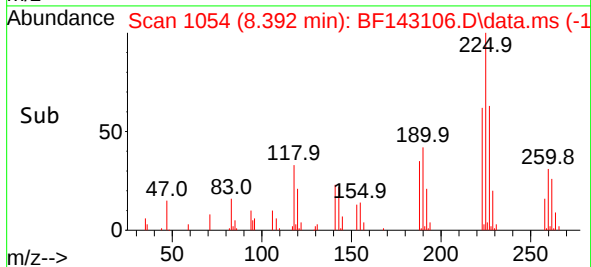
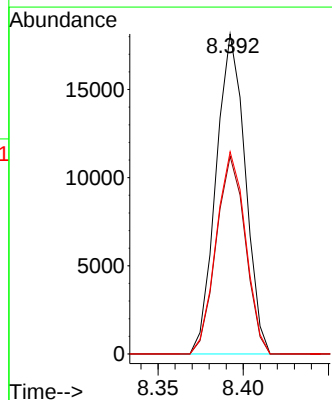
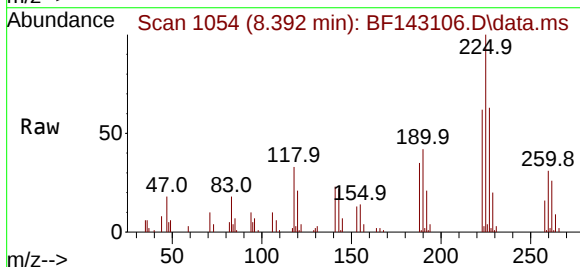
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

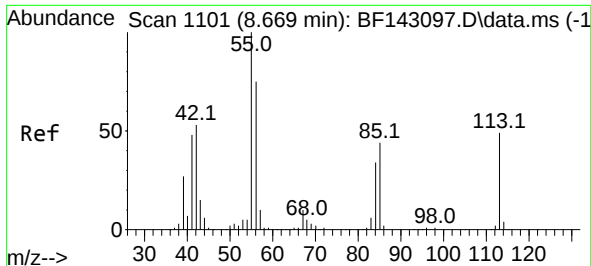
Tgt Ion:	127	Resp:	47562
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	37.4	28.6	42.8
92	20.8	17.1	25.7



#34
Hexachlorobutadiene
Concen: 4.546 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:	225	Resp:	21602
Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.3	75.5
227	63.2	50.1	75.1

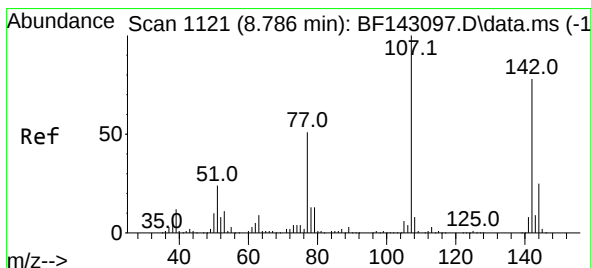
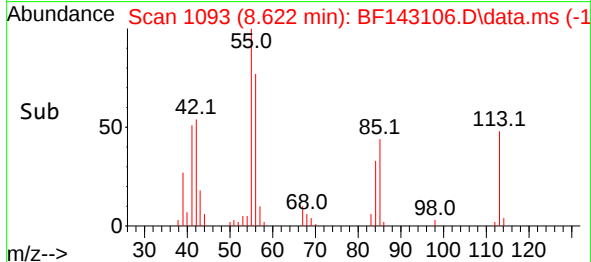
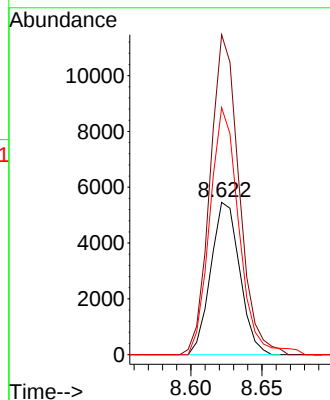
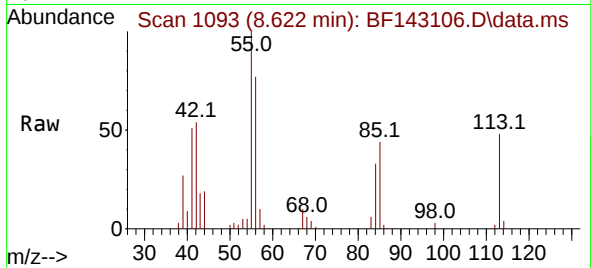




#35
 Caprolactam
 Concen: 3.540 ng
 RT: 8.622 min Scan# 1101
 Delta R.T. -0.047 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

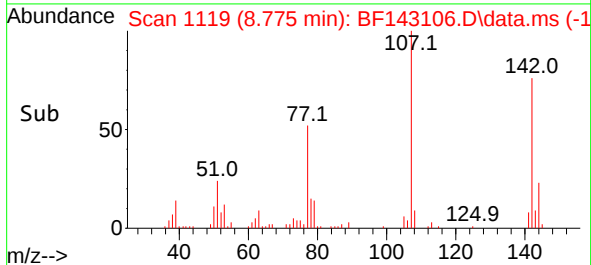
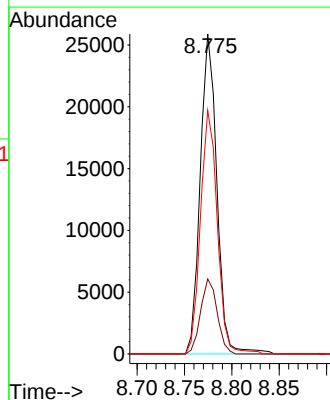
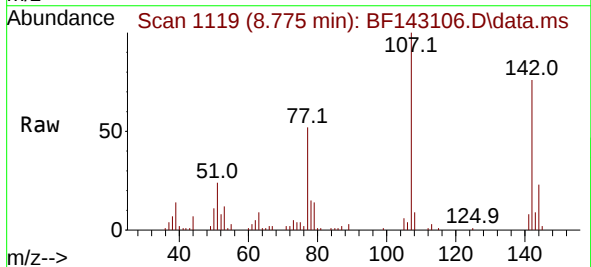
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

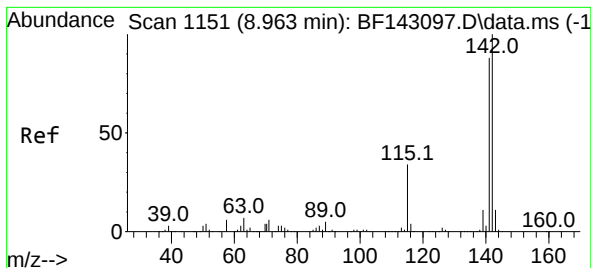
Tgt Ion:113 Resp: 7739
 Ion Ratio Lower Upper
 113 100
 55 210.0 186.2 226.2
 56 162.1 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 4.054 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.012 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

Tgt Ion:107 Resp: 31615
 Ion Ratio Lower Upper
 107 100
 144 23.5 20.2 30.2
 142 76.1 62.4 93.6





#37

2-Methylnaphthalene

Concen: 4.436 ng

RT: 8.957 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

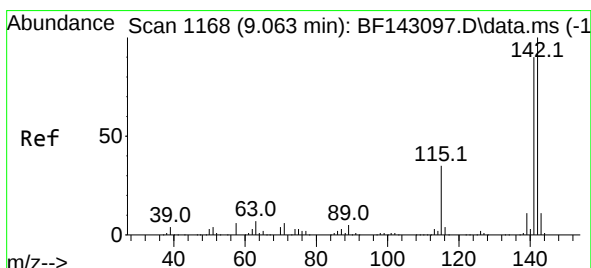
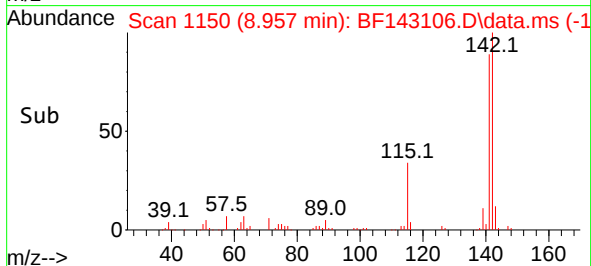
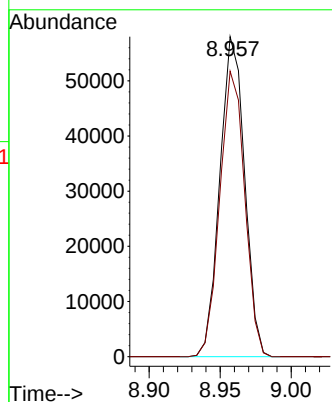
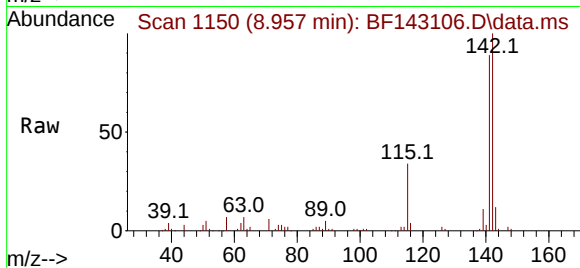
LOQ-SOIL-02-QT2-2025

Tgt Ion:142 Resp: 70322

Ion Ratio Lower Upper

142 100

141 89.2 70.2 105.2



#38

1-Methylnaphthalene

Concen: 4.671 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF143106.D

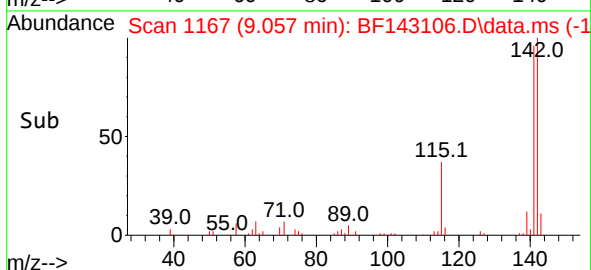
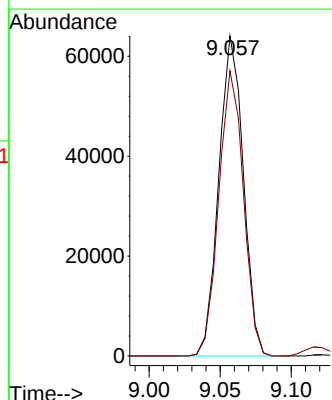
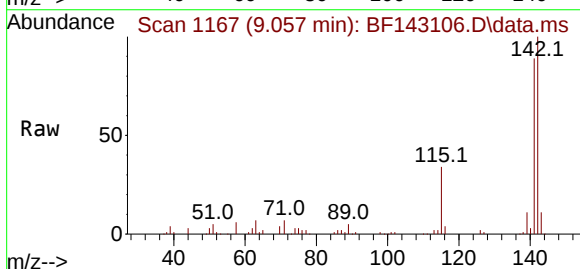
Acq: 16 Jul 2025 11:03

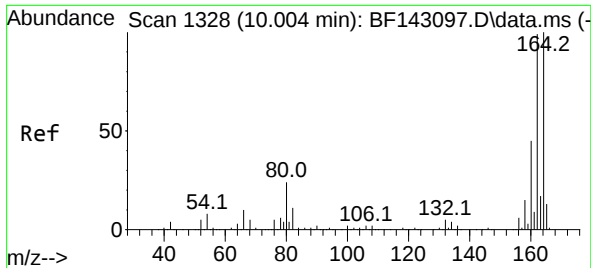
Tgt Ion:142 Resp: 76800

Ion Ratio Lower Upper

142 100

141 89.1 72.2 108.4

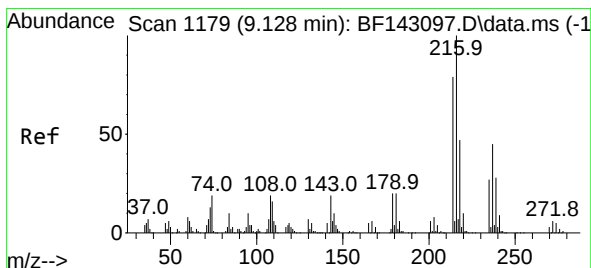
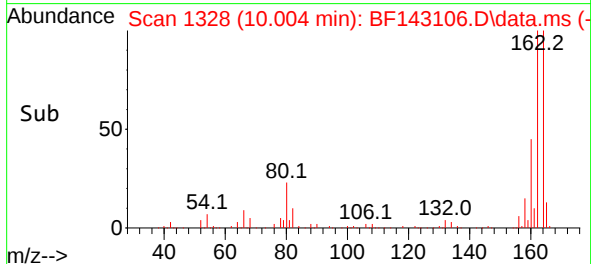
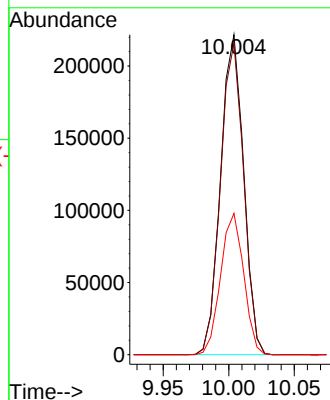
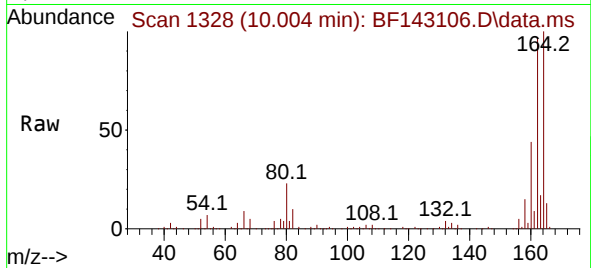




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

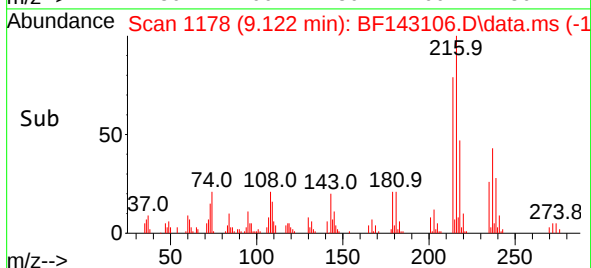
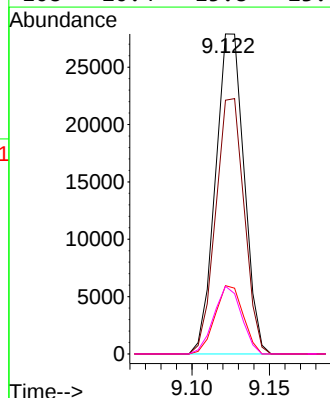
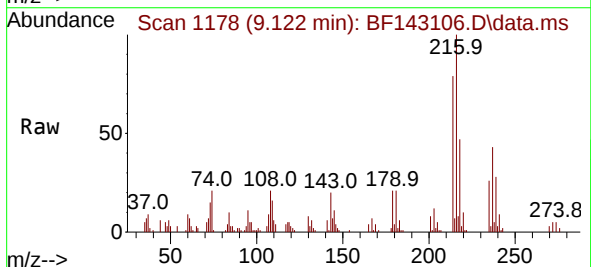
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2025

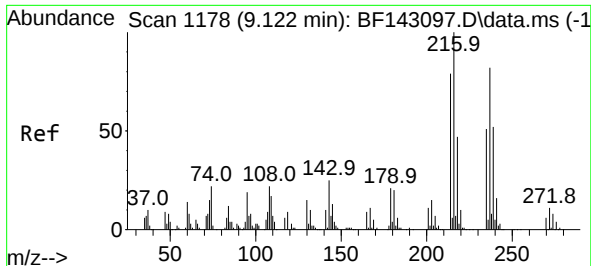
Tgt Ion:164 Resp: 271528
Ion Ratio Lower Upper
164 100
162 97.3 79.0 118.6
160 44.2 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.526 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:216 Resp: 35811
Ion Ratio Lower Upper
216 100
214 79.4 62.6 94.0
179 20.9 16.2 24.2
108 20.4 15.8 23.6

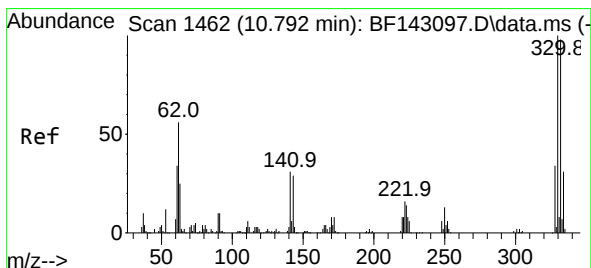
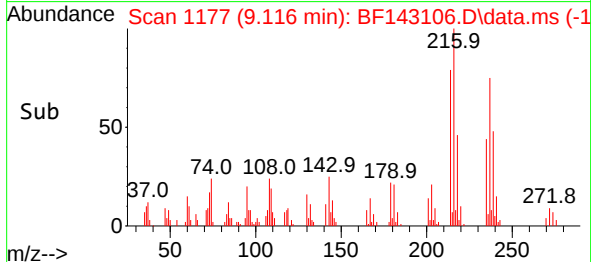
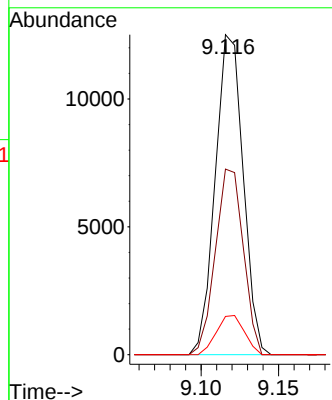
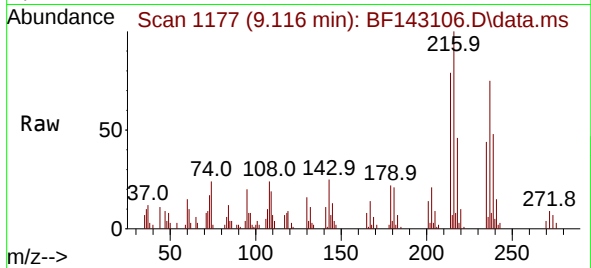




#41
Hexachlorocyclopentadiene
Concen: 3.577 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

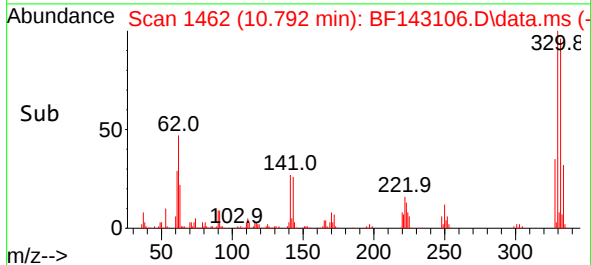
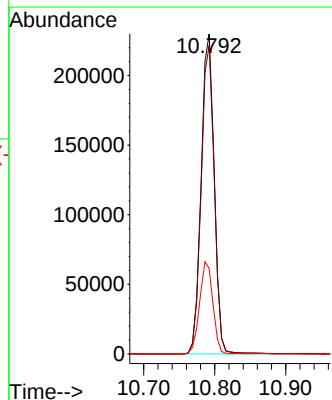
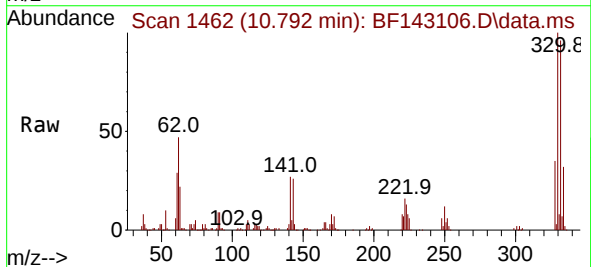
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

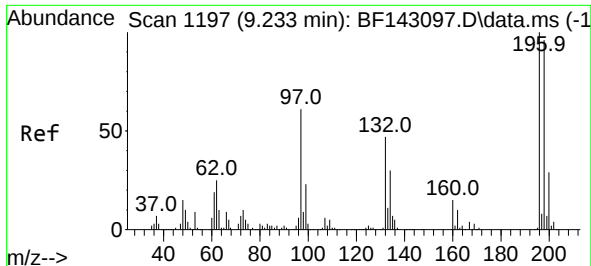
Tgt Ion:	237	Resp:	15691
Ion	Ratio	Lower	Upper
237	100		
235	58.0	41.6	81.6
272	12.0	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 121.971 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:	330	Resp:	295303
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.9	116.9
141	29.3	25.9	38.9

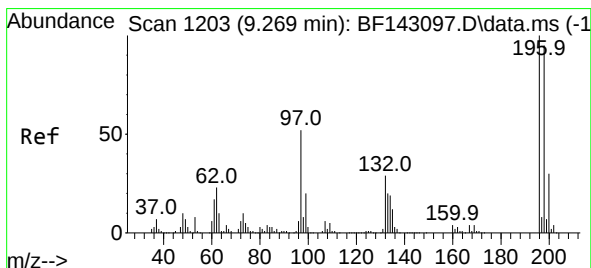
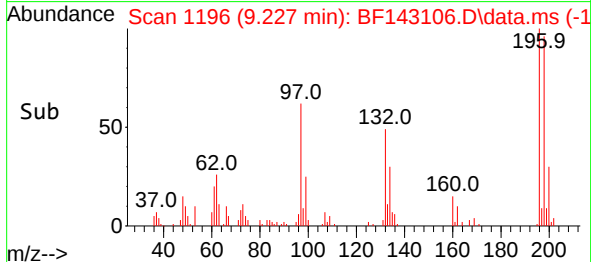
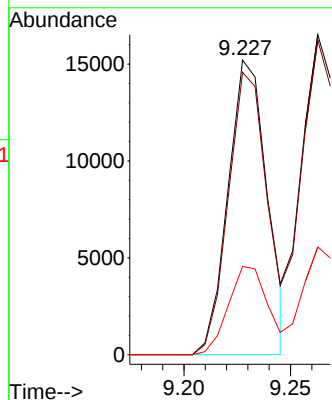
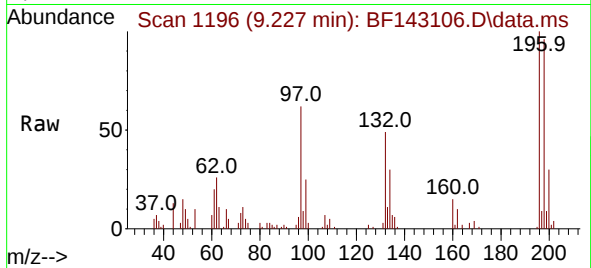




#43
2,4,6-Trichlorophenol
Concen: 3.937 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

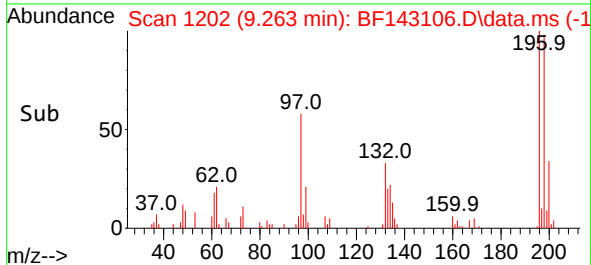
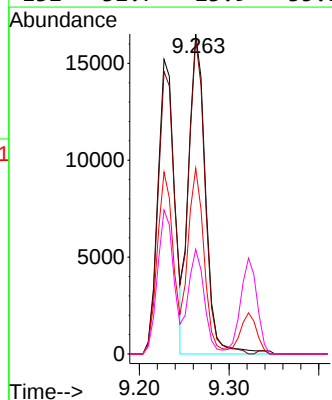
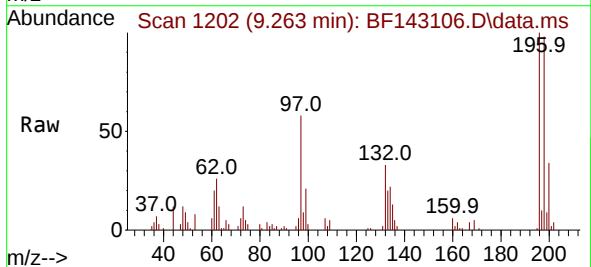
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

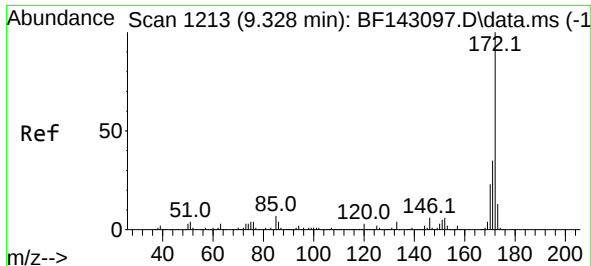
Tgt Ion:196 Resp: 19355
Ion Ratio Lower Upper
196 100
198 95.9 76.9 115.3
200 30.0 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 4.203 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:196 Resp: 21667
Ion Ratio Lower Upper
196 100
198 98.3 76.4 114.6
97 58.0 42.4 63.6
132 32.7 23.9 35.9

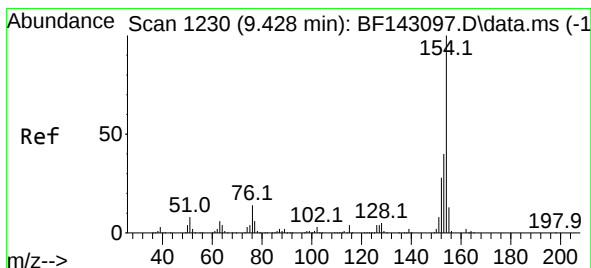
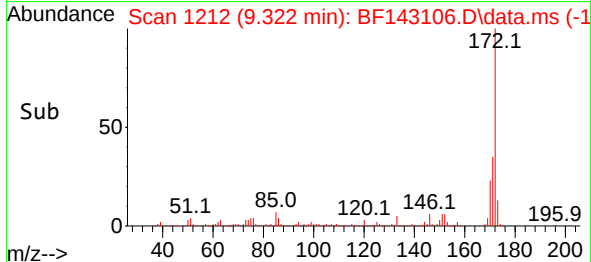
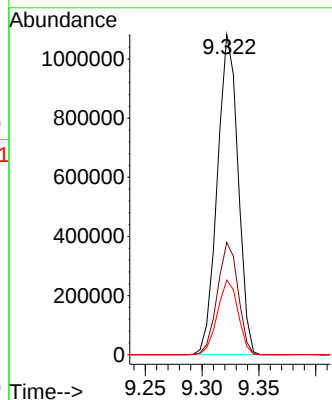
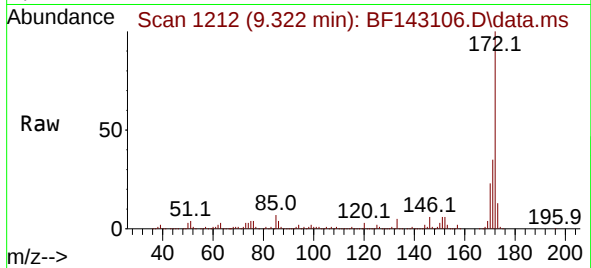




#45
2-Fluorobiphenyl
Concen: 67.254 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

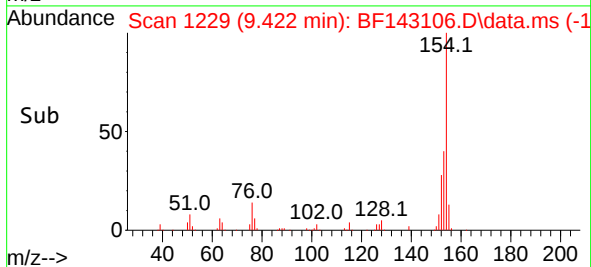
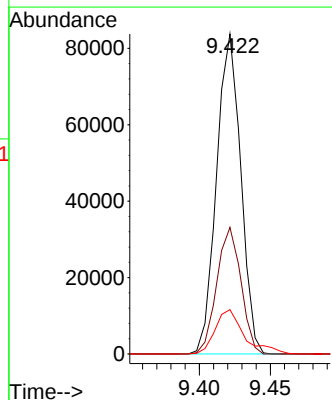
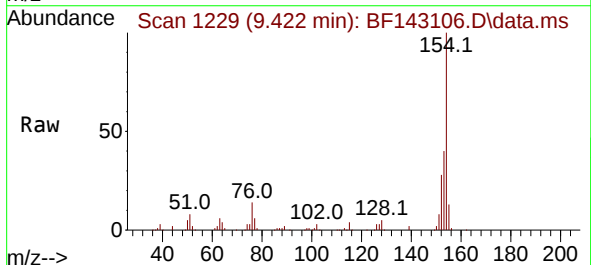
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

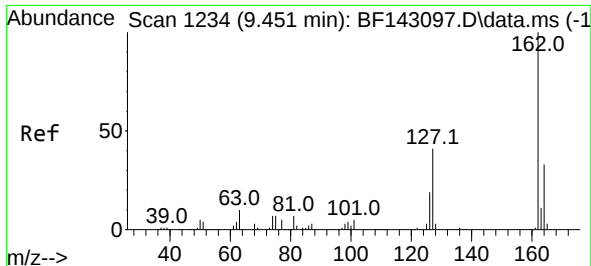
Tgt Ion:172 Resp: 1373769
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 4.582 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:154 Resp: 99227
Ion Ratio Lower Upper
154 100
153 39.6 20.1 60.1
76 13.8 0.0 33.7





#47

2-Chloronaphthalene

Concen: 4.396 ng

RT: 9.445 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

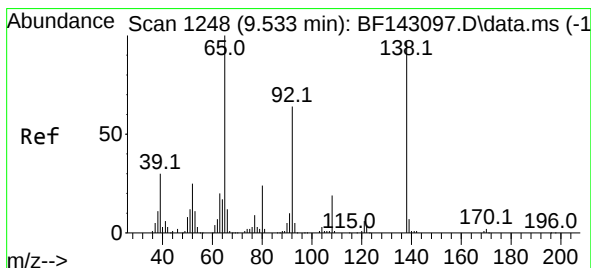
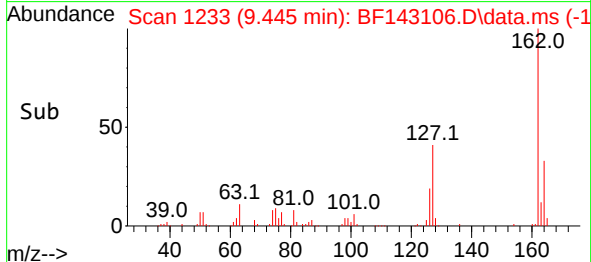
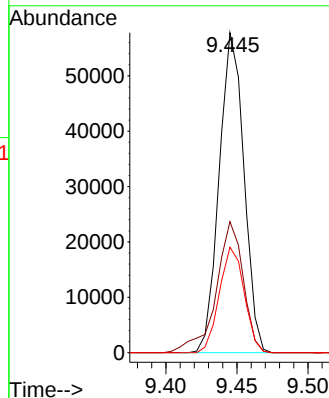
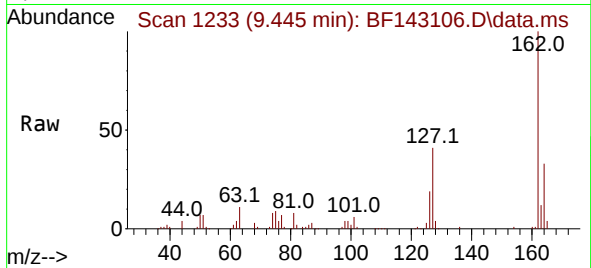
Tgt Ion:162 Resp: 69925

Ion Ratio Lower Upper

162 100

127 41.0 33.0 49.6

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 6.057 ng

RT: 9.527 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

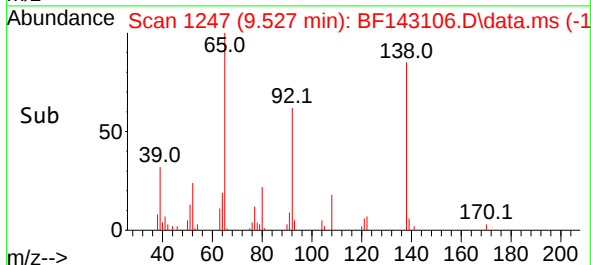
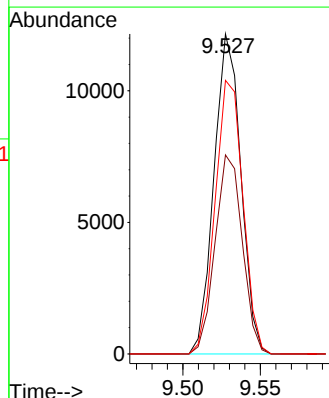
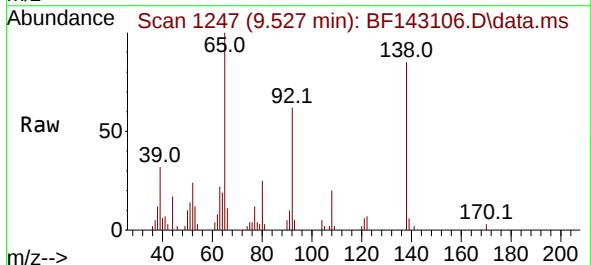
Tgt Ion: 65 Resp: 14656

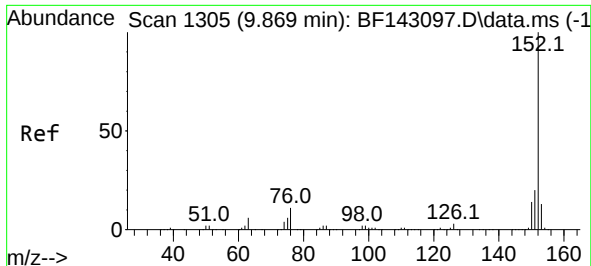
Ion Ratio Lower Upper

65 100

92 62.2 51.3 76.9

138 85.5 77.8 116.6

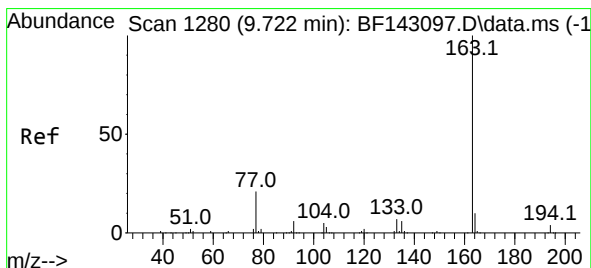
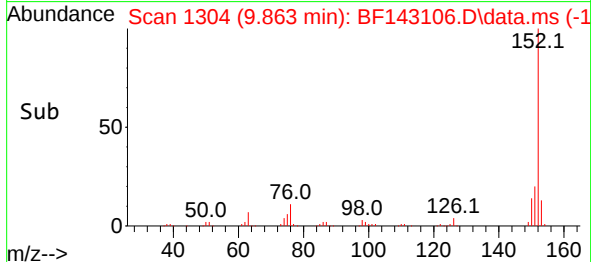
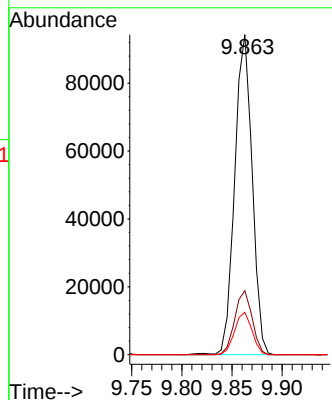
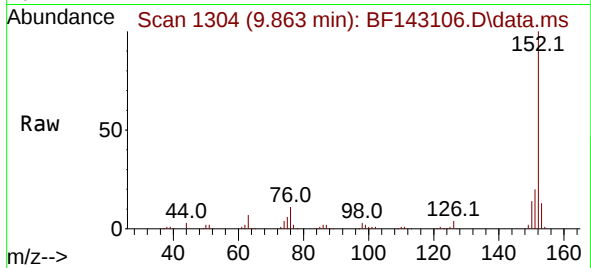




#49
Acenaphthylene
Concen: 4.321 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

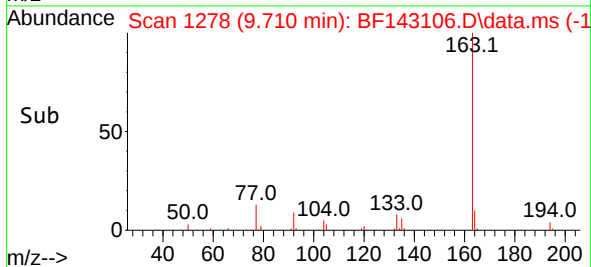
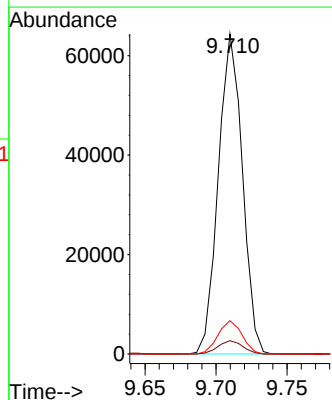
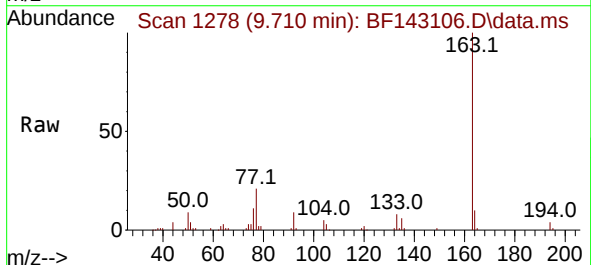
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

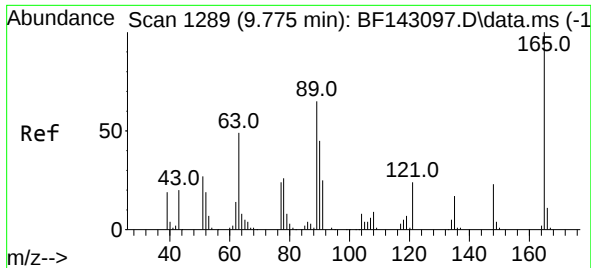
Tgt Ion:152 Resp: 114541
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.3 10.4 15.6



#50
Dimethylphthalate
Concen: 4.435 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:163 Resp: 75767
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.4 8.2 12.2

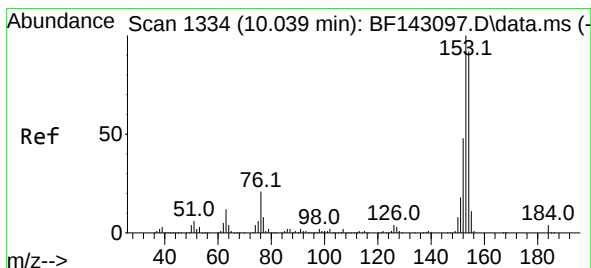
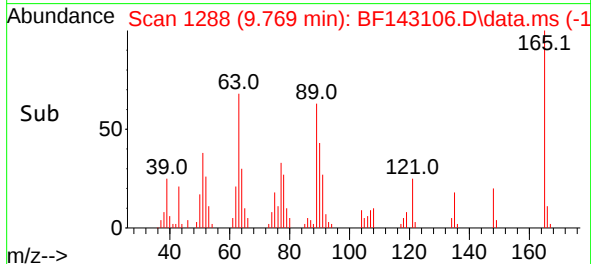
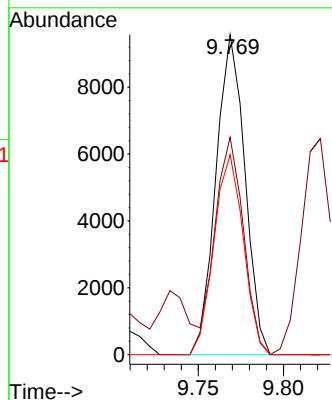
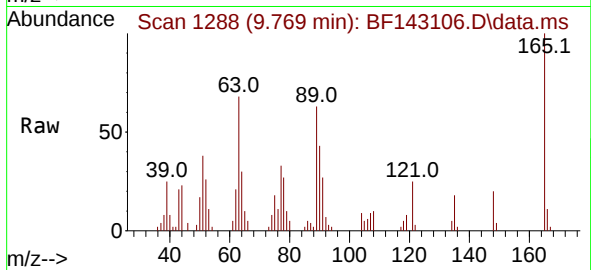




#51
2,6-Dinitrotoluene
Concen: 5.951 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

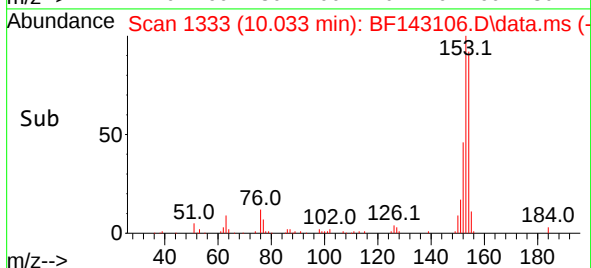
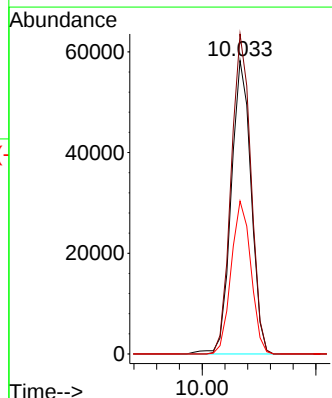
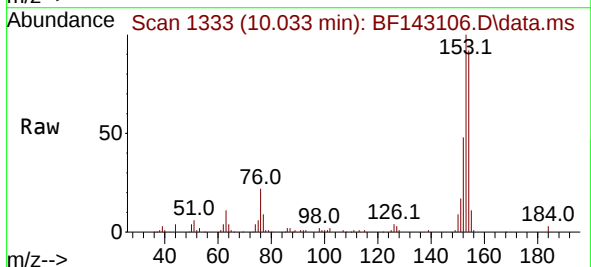
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

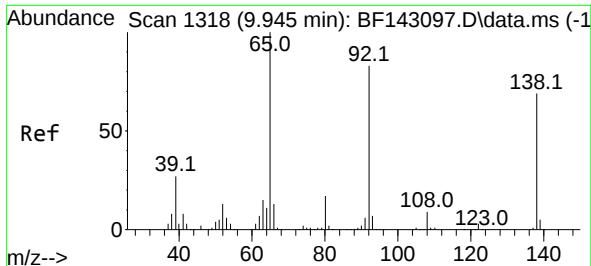
Tgt Ion:165 Resp: 11308
Ion Ratio Lower Upper
165 100
63 67.9 57.4 86.0
89 62.5 51.8 77.8



#52
Acenaphthene
Concen: 4.525 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:154 Resp: 70783
Ion Ratio Lower Upper
154 100
153 109.0 86.7 130.1
152 52.1 41.4 62.2

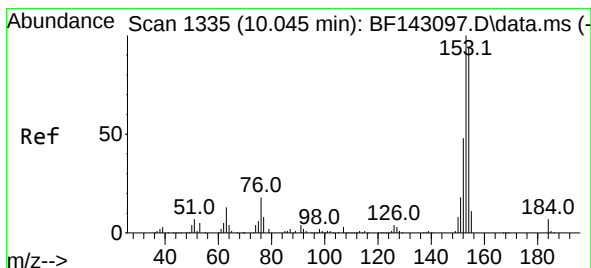
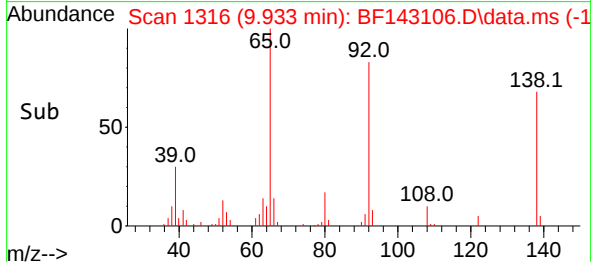
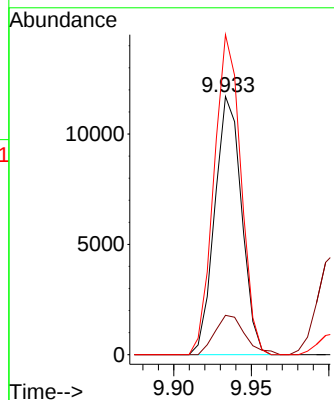
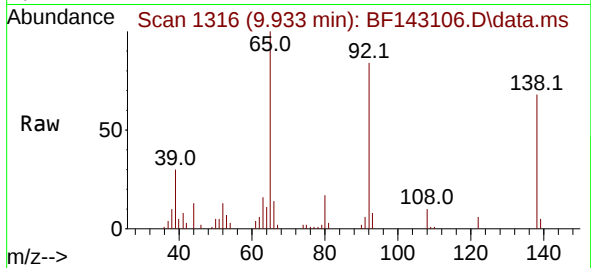




#53
3-Nitroaniline
Concen: 3.829 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

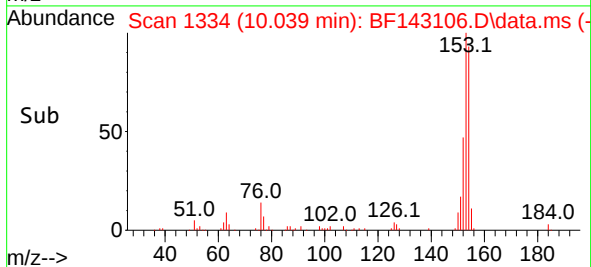
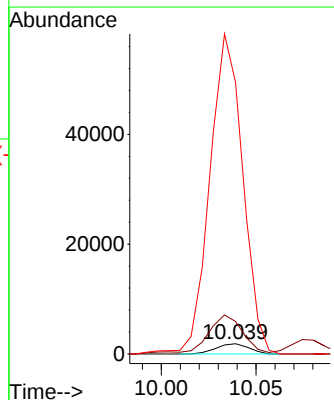
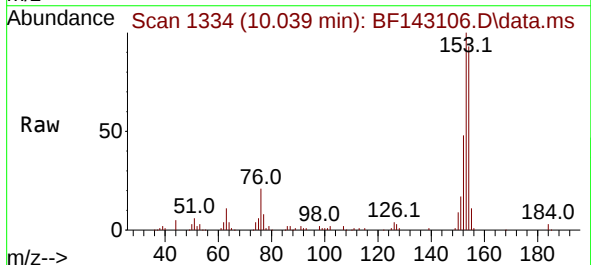
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

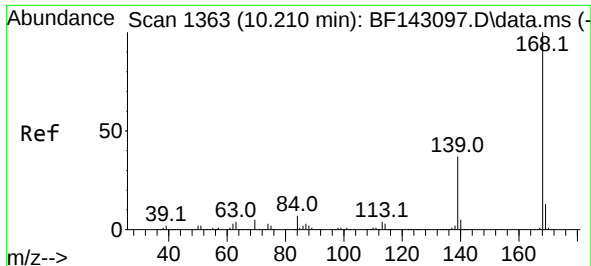
Tgt Ion:138 Resp: 14132
Ion Ratio Lower Upper
138 100
108 15.3 10.1 15.1#
92 123.9 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 7.185 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:184 Resp: 2232
Ion Ratio Lower Upper
184 100
63 319.4 149.3 223.9#
154 2669.4 1048.0 1572.0#

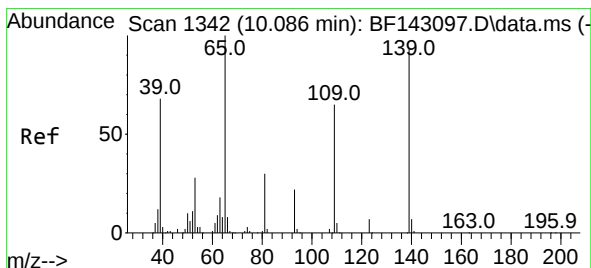
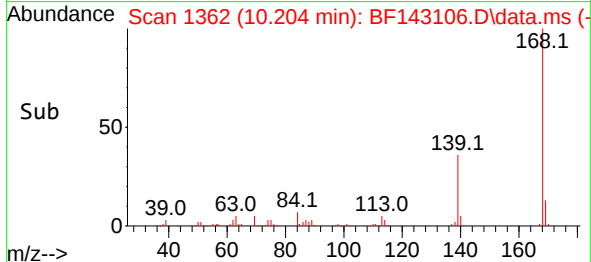
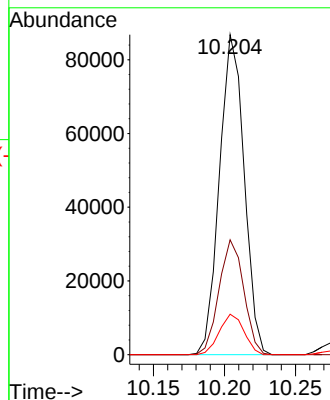
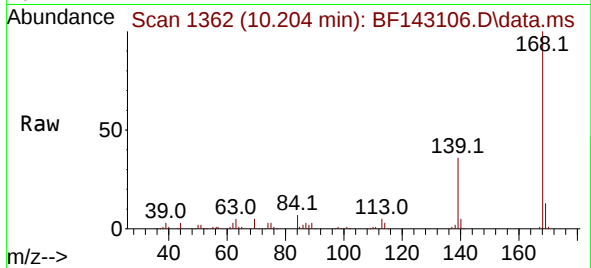




#55
Dibenzenofuran
Concen: 4.503 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

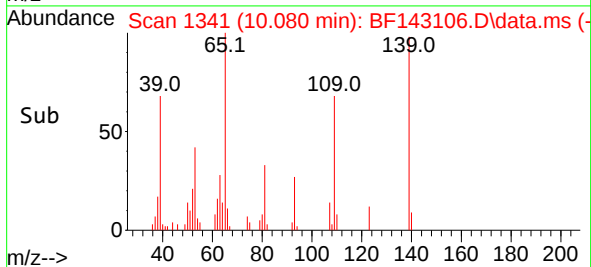
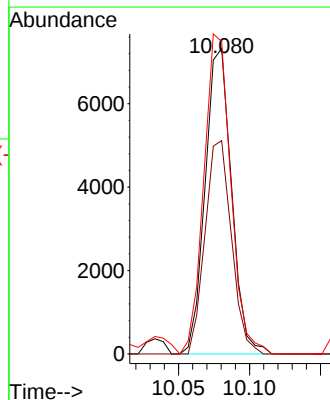
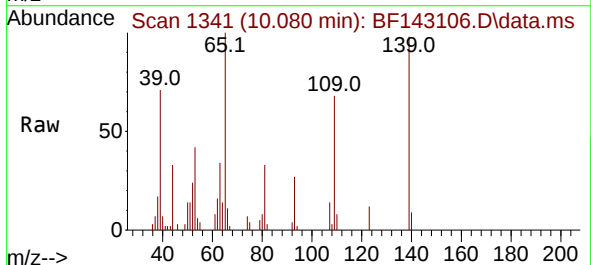
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

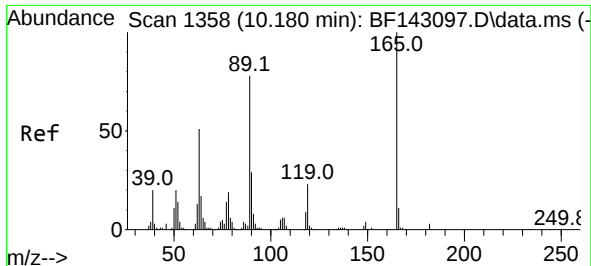
Tgt Ion:168 Resp: 104992
Ion Ratio Lower Upper
168 100
139 35.9 29.8 44.6
169 12.6 10.8 16.2



#56
4-Nitrophenol
Concen: 3.232 ng
RT: 10.080 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:139 Resp: 9480
Ion Ratio Lower Upper
139 100
109 69.8 49.4 89.4
65 102.3 88.2 128.2

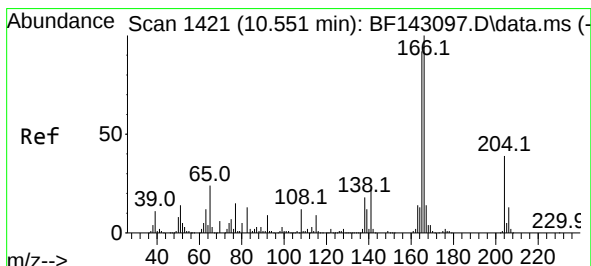
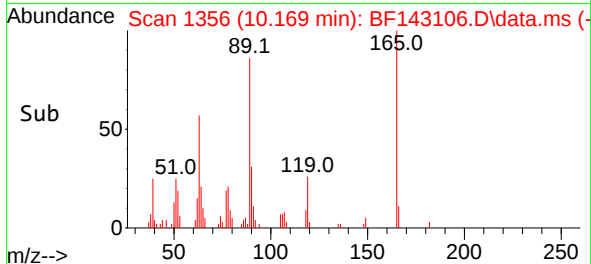
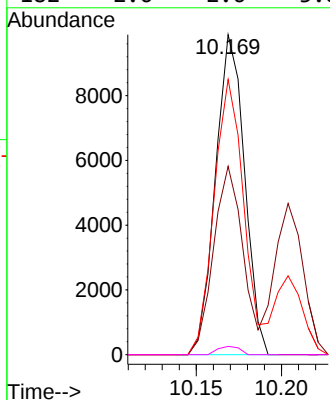
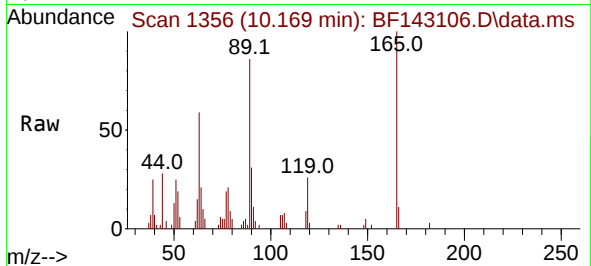




#57
2,4-Dinitrotoluene
Concen: 5.983 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

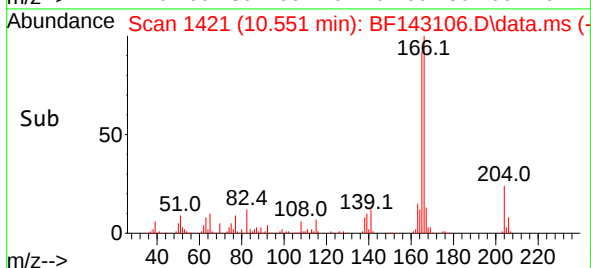
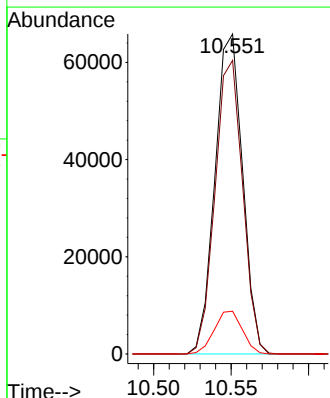
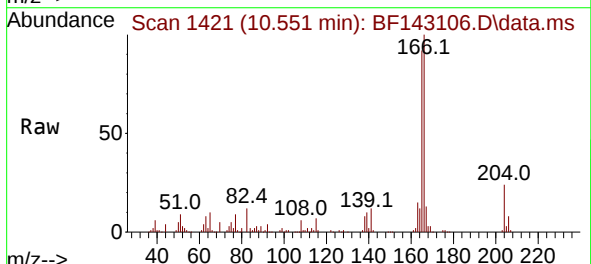
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

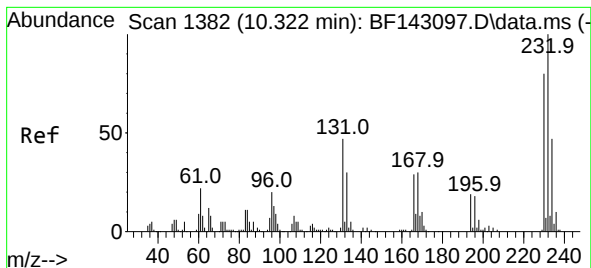
Tgt Ion:165	Resp:	11723
Ion Ratio	Lower	Upper
165	100	
63	58.9	40.6 61.0
89	86.0	62.3 93.5
182	2.6	2.6 3.8



#58
Fluorene
Concen: 4.672 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:166	Resp:	81661
Ion Ratio	Lower	Upper
166	100	
165	91.8	73.7 110.5
167	13.3	10.9 16.3

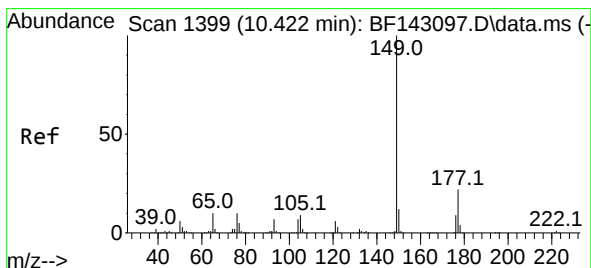
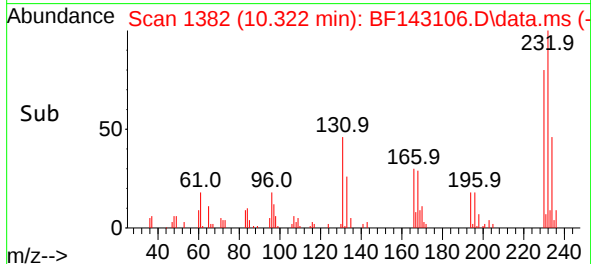
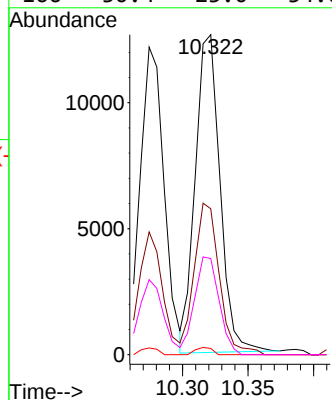
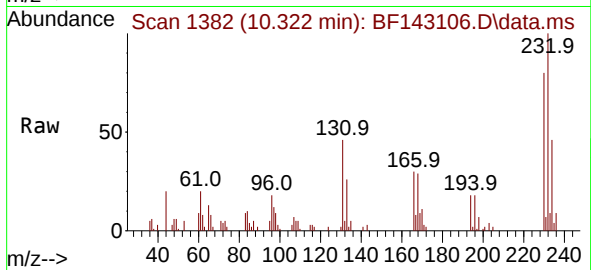




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.048 ng
RT: 10.322 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

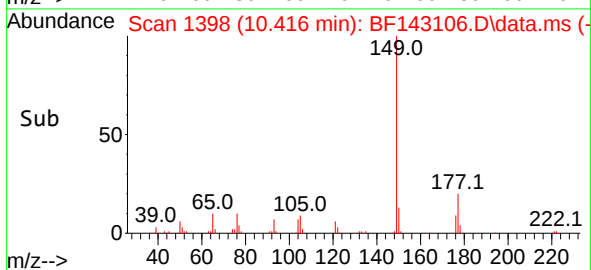
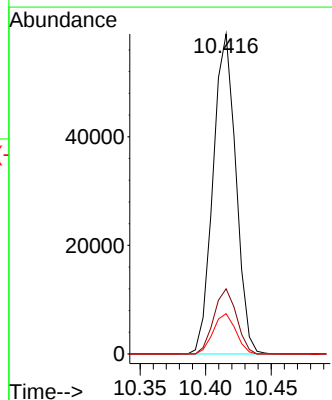
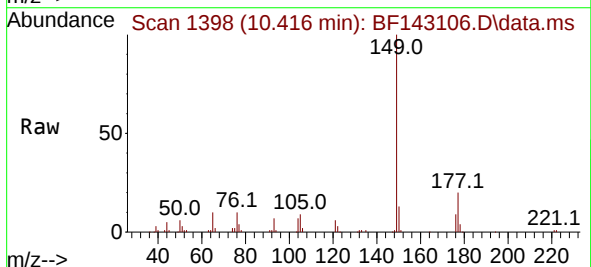
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

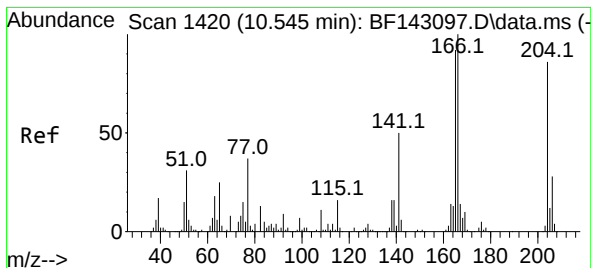
Tgt Ion:232	Resp:	16586
Ion Ratio	Lower	Upper
232	100	
131	48.3	36.9 55.3
130	1.6	1.8 2.8#
166	30.4	23.0 34.6



#60
Diethylphthalate
Concen: 4.330 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:149	Resp:	71366
Ion Ratio	Lower	Upper
149	100	
177	20.4	17.3 25.9
150	12.6	9.9 14.9

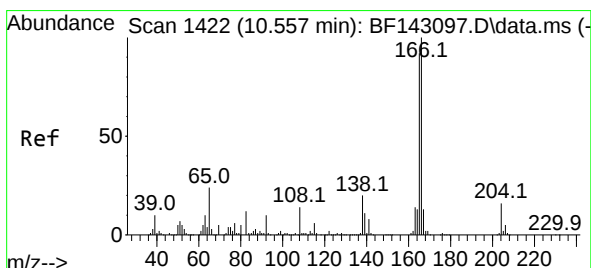
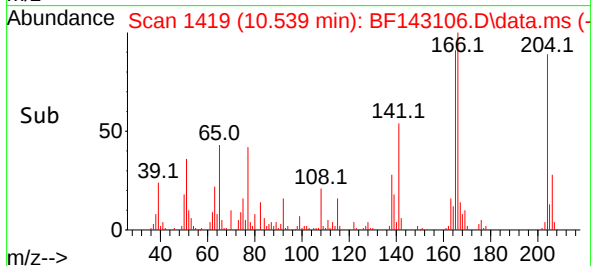
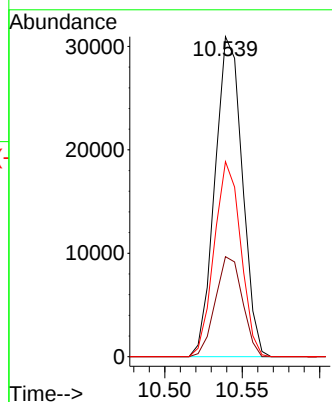
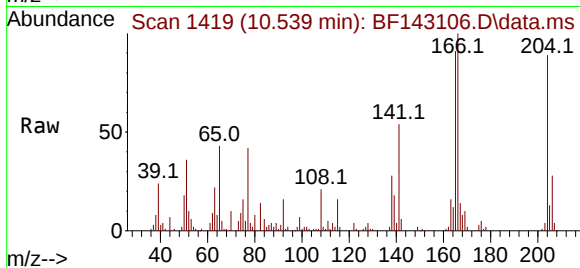




#61
4-Chlorophenyl-phenylether
Concen: 4.529 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

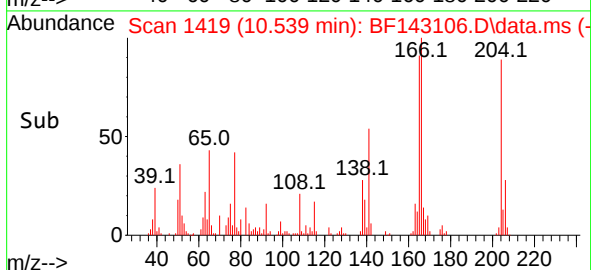
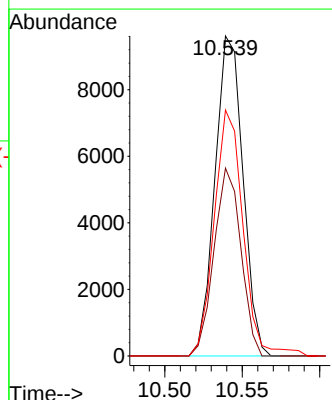
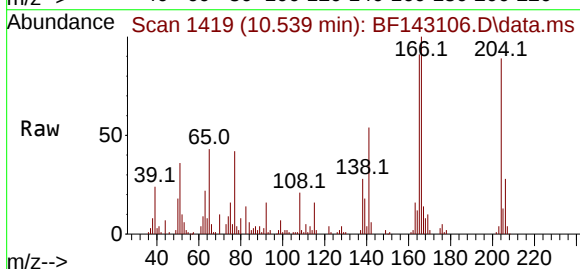
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

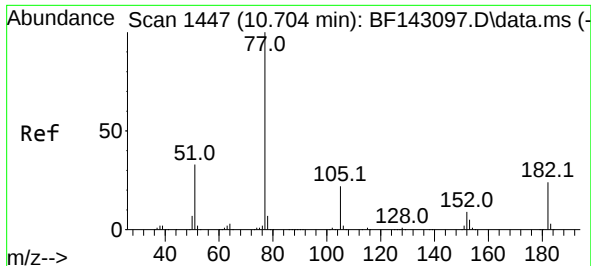
Tgt Ion:204 Resp: 37948
Ion Ratio Lower Upper
204 100
206 31.2 25.8 38.6
141 60.9 46.8 70.2



#62
4-Nitroaniline
Concen: 3.764 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:138 Resp: 12081
Ion Ratio Lower Upper
138 100
92 58.7 30.4 70.4
108 76.9 49.5 89.5

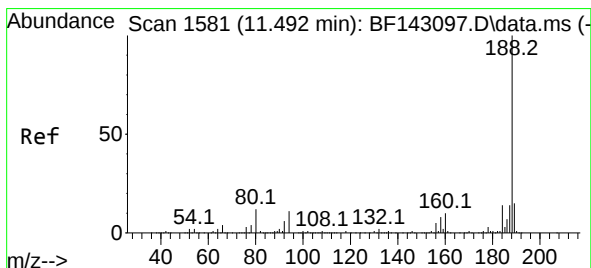
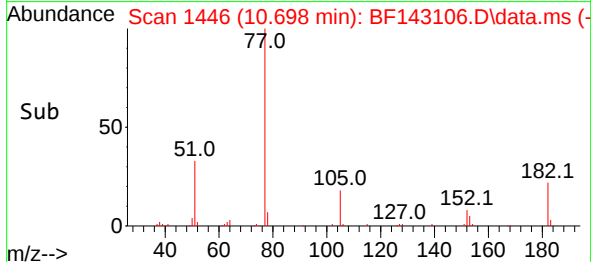
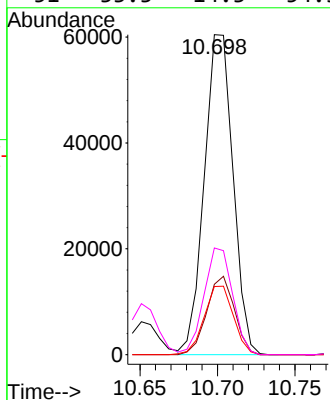
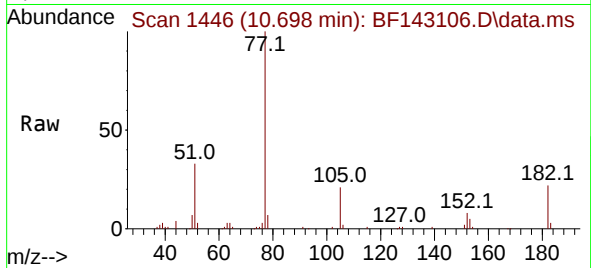




#63
 Azobenzene
 Concen: 4.292 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

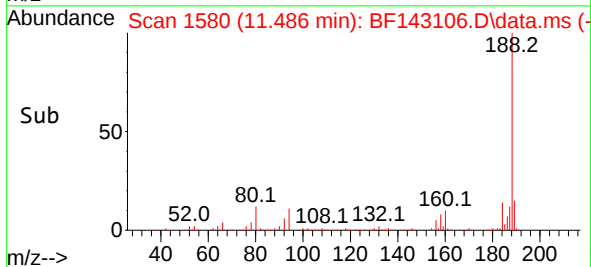
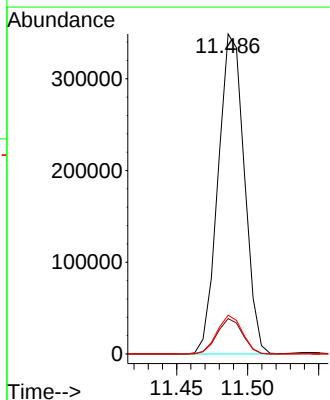
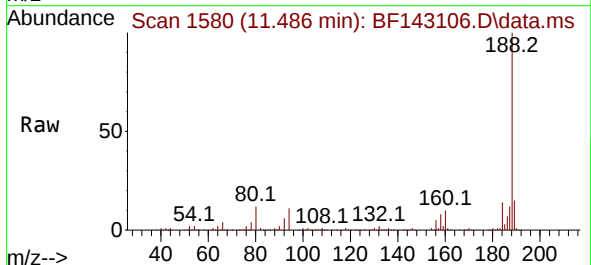
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

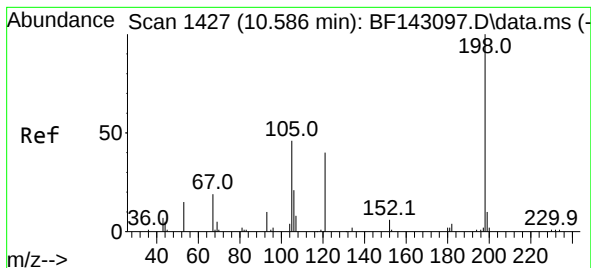
Tgt Ion: 77	Resp: 78222
Ion Ratio	Lower Upper
77 100	
182 22.0	4.0 44.0
105 21.3	1.4 41.4
51 33.3	14.3 54.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.486 min Scan# 1580
 Delta R.T. -0.006 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

Tgt Ion:188	Resp: 447459		
Ion Ratio	Lower	Upper	
188 100			
94 11.1	8.6	13.0	
80 12.1	9.3	13.9	

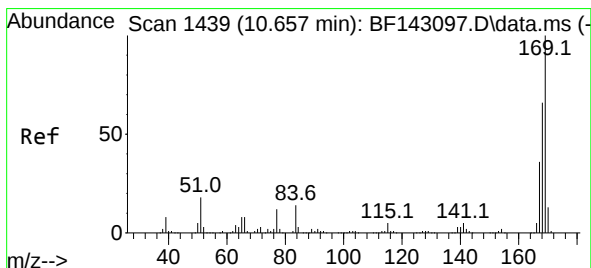
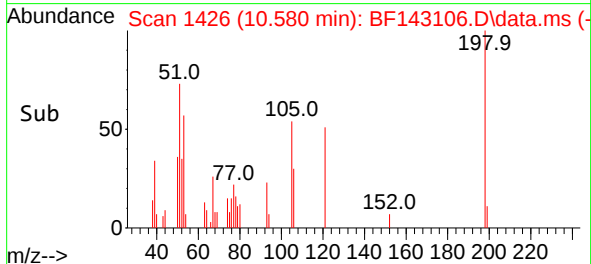
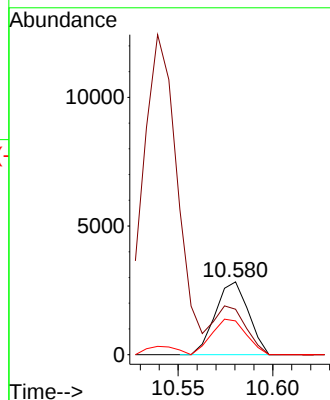
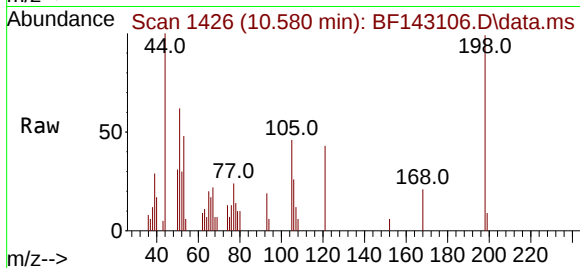




#65
4,6-Dinitro-2-methylphenol
Concen: 7.619 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

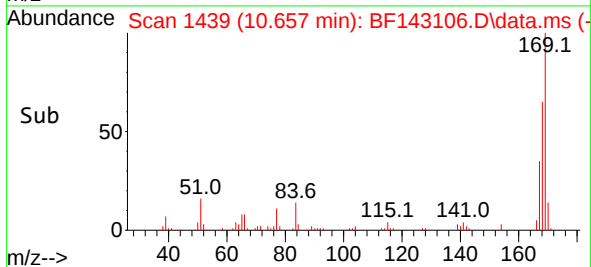
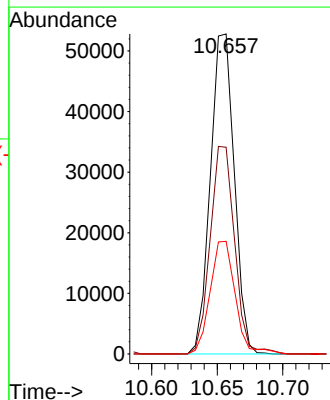
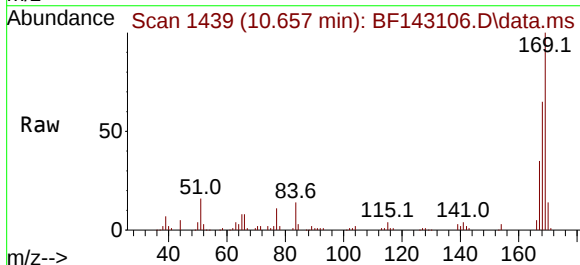
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

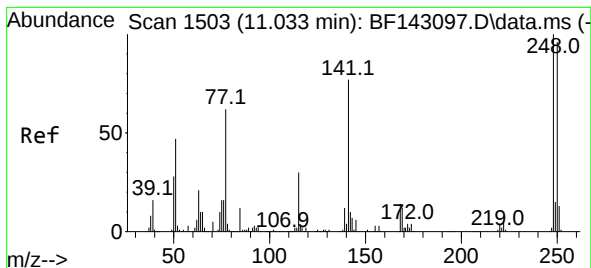
Tgt Ion:198 Resp: 3427
Ion Ratio Lower Upper
198 100
51 62.5 44.6 84.6
105 46.3 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 4.264 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:169 Resp: 67021
Ion Ratio Lower Upper
169 100
168 64.6 53.0 79.6
167 35.2 28.4 42.6

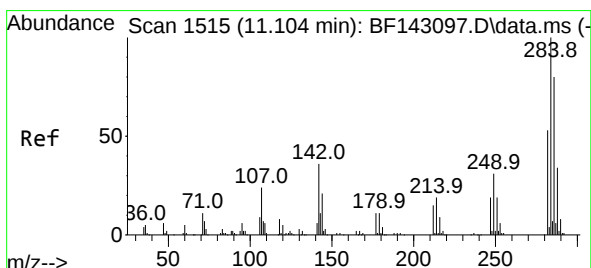
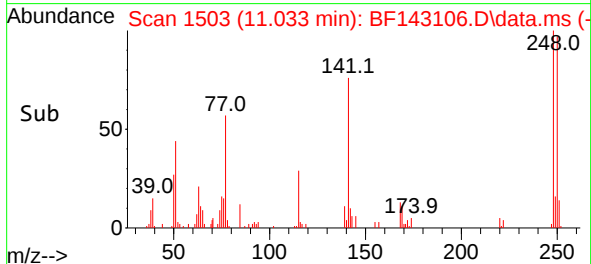
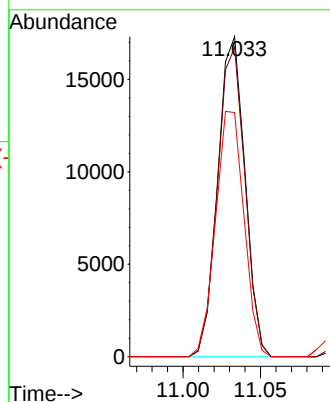
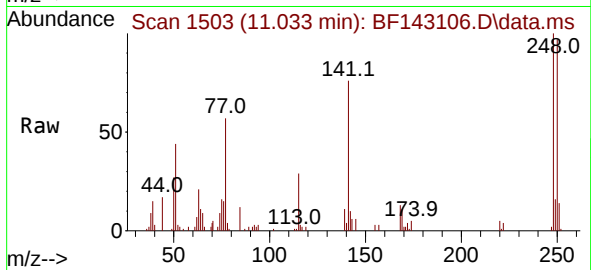




#67
4-Bromophenyl-phenylether
Concen: 4.166 ng
RT: 11.033 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

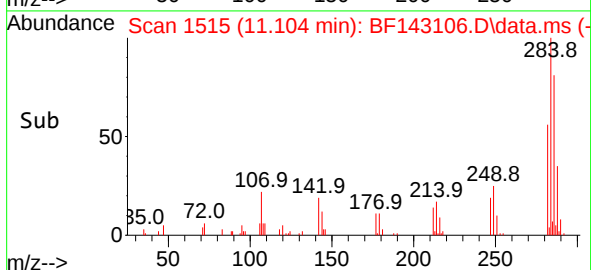
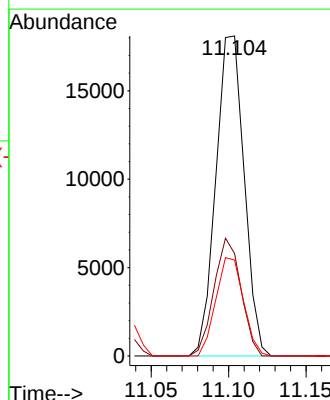
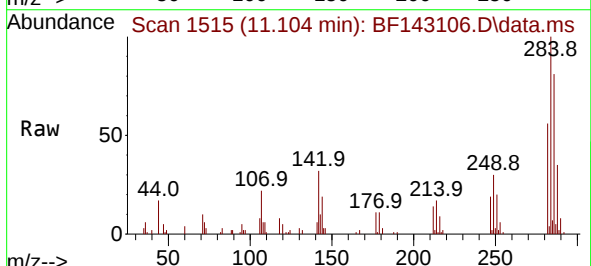
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

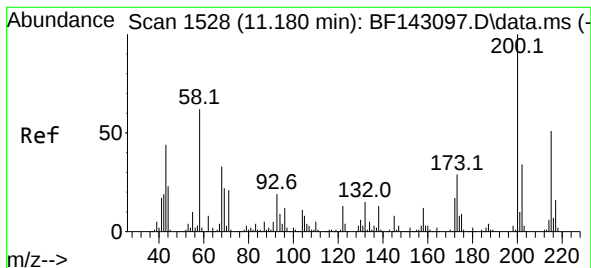
Tgt Ion:248 Resp: 21198
Ion Ratio Lower Upper
248 100
250 96.7 76.7 115.1
141 76.3 61.7 92.5



#68
Hexachlorobenzene
Concen: 4.262 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:284 Resp: 23014
Ion Ratio Lower Upper
284 100
142 32.0 28.9 43.3
249 30.0 24.6 37.0





#69

Atrazine

Concen: 4.042 ng

RT: 11.174 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

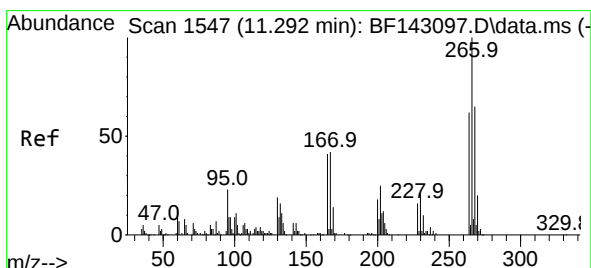
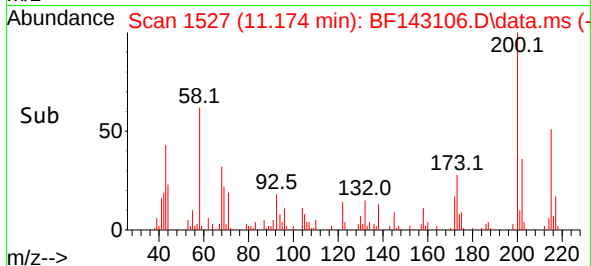
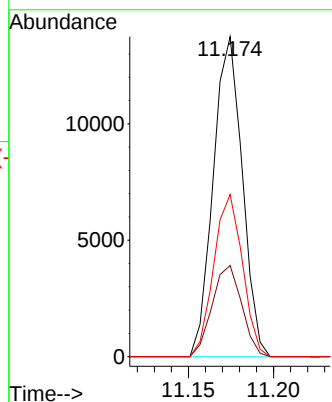
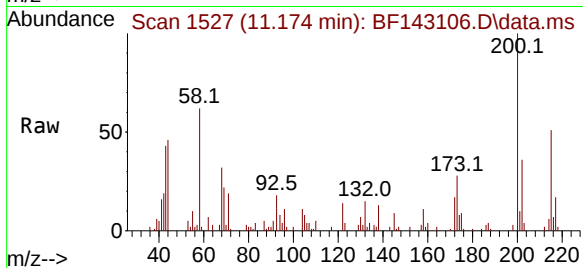
Tgt Ion:200 Resp: 16252

Ion Ratio Lower Upper

200 100

173 28.5 9.1 49.1

215 50.7 31.0 71.0



#70

Pentachlorophenol

Concen: 3.171 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

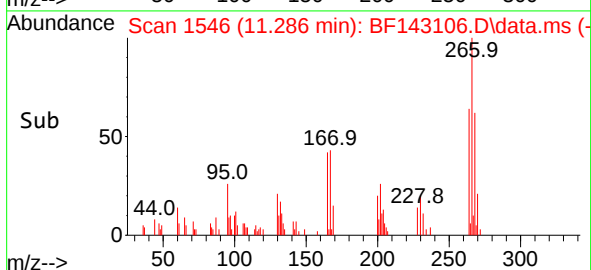
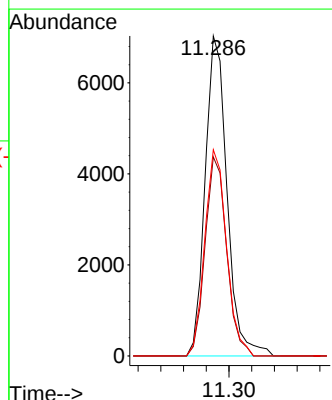
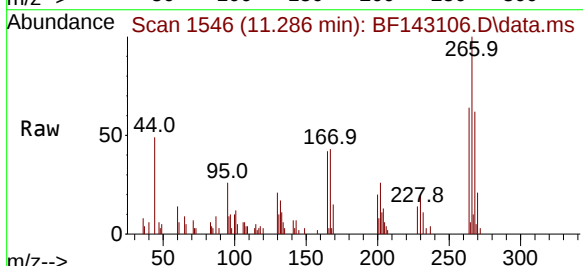
Tgt Ion:266 Resp: 9392

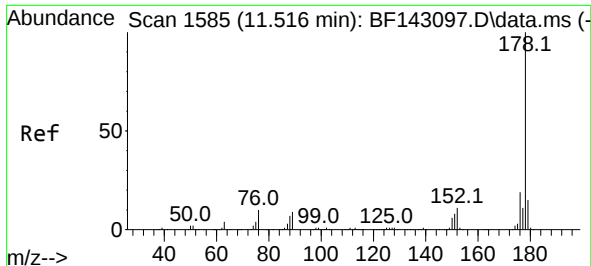
Ion Ratio Lower Upper

266 100

268 62.2 51.8 77.6

264 64.5 49.7 74.5

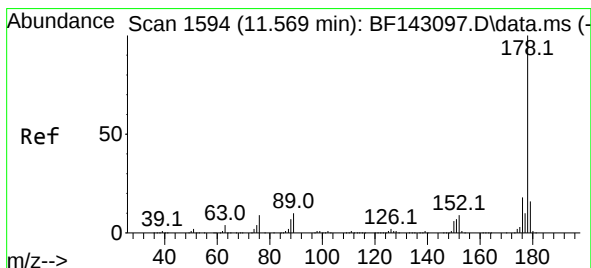
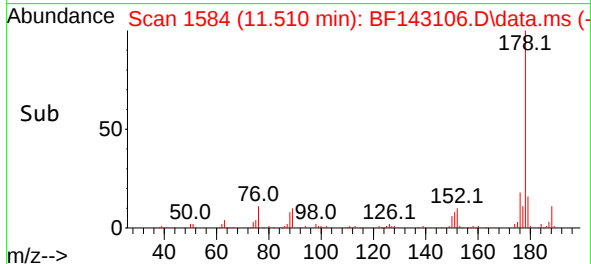
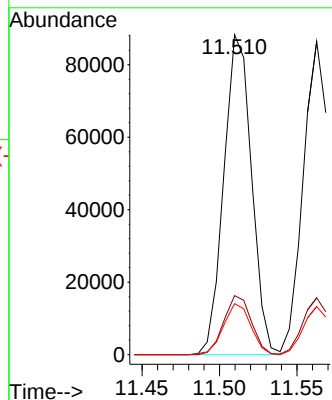
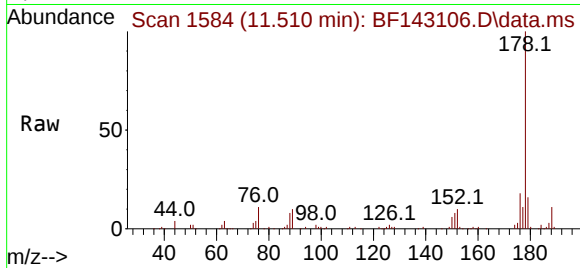




#71
Phenanthrene
Concen: 4.552 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

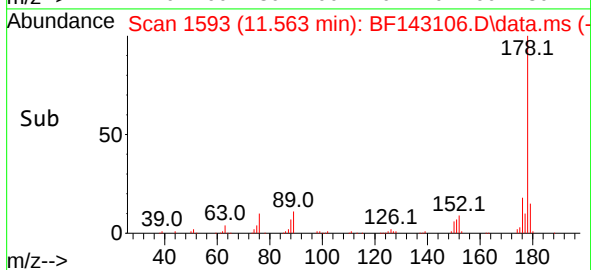
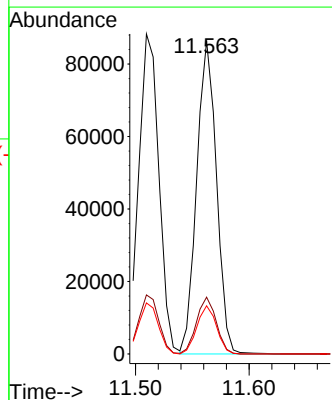
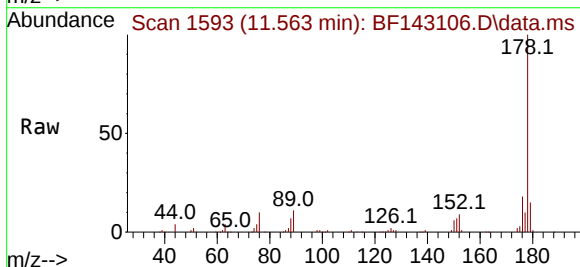
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

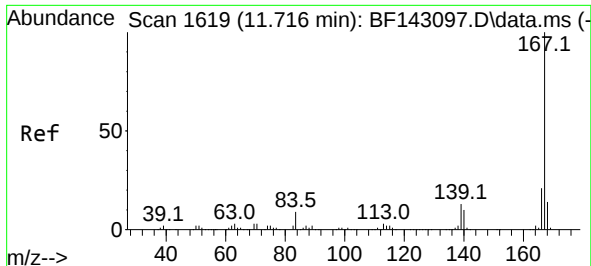
Tgt Ion:178 Resp: 109934
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.9 12.2 18.4



#72
Anthracene
Concen: 4.312 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:178 Resp: 104712
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.4 12.4 18.6

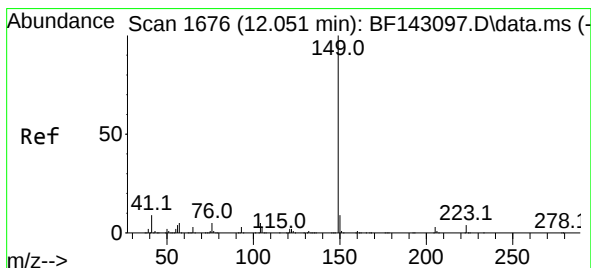
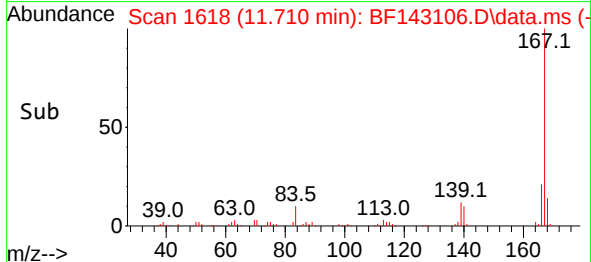
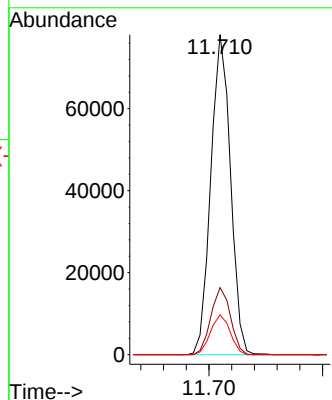
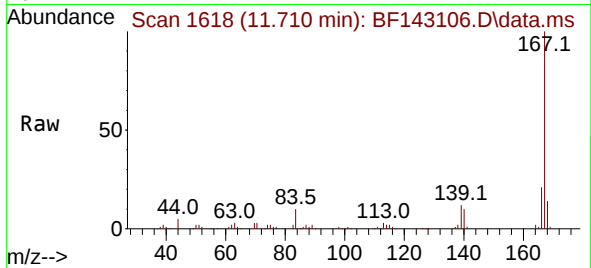




#73
 Carbazole
 Concen: 4.308 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

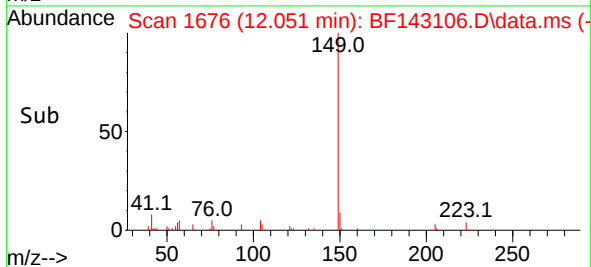
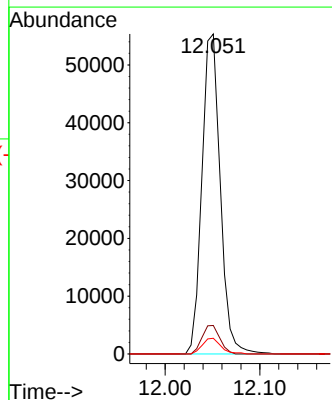
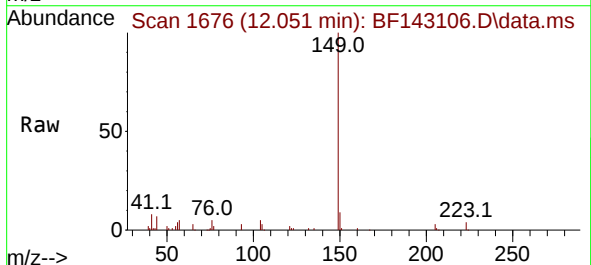
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

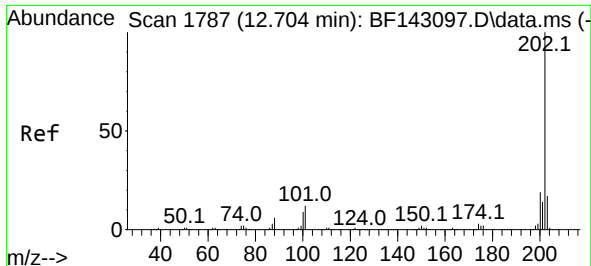
Tgt Ion:167 Resp: 93729
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.5 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 3.721 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

Tgt Ion:149 Resp: 74312
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.3 10.9
 104 4.9 3.8 5.8

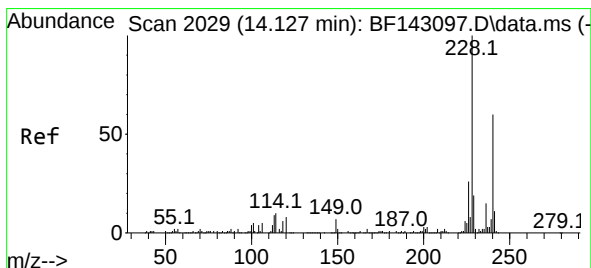
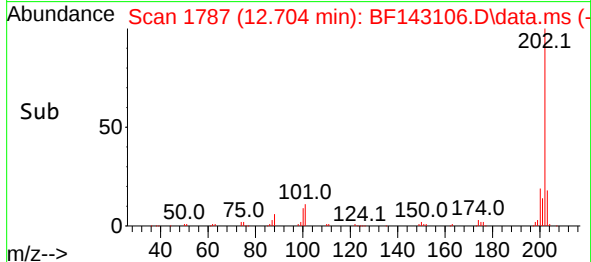
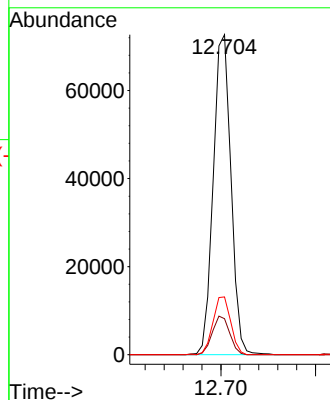
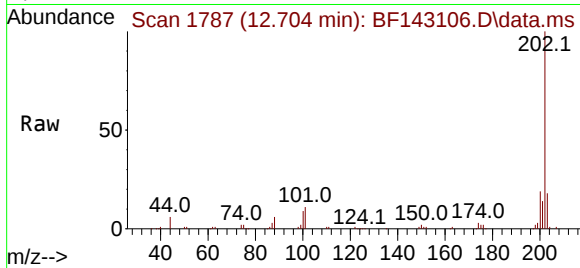




#75
Fluoranthene
Concen: 4.291 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

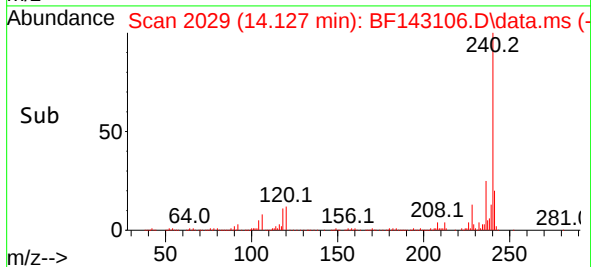
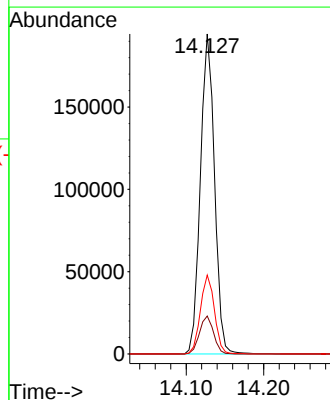
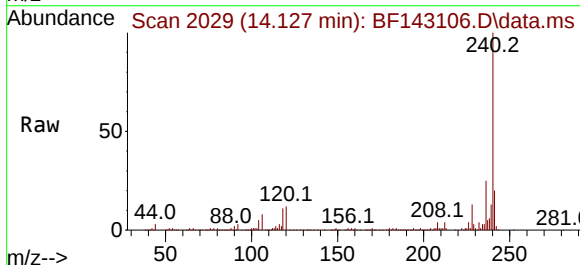
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

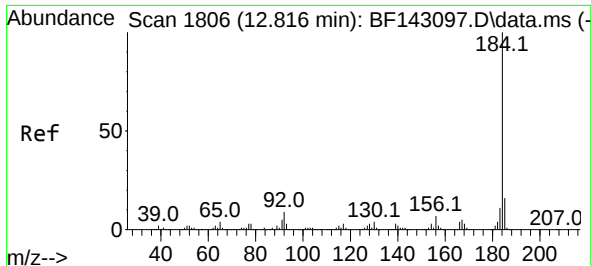
Tgt Ion:	202	Resp:	94213
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	32.4
203	18.1	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:	240	Resp:	246073
Ion Ratio	Lower	Upper	
240	100		
120	11.9	10.0	15.0
236	24.7	20.0	30.0

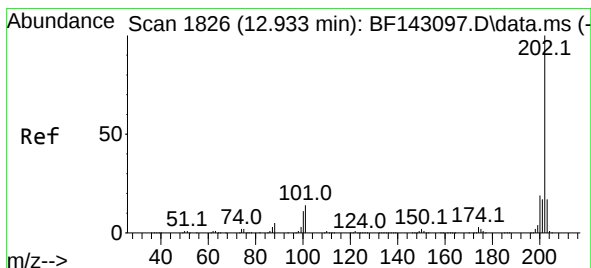
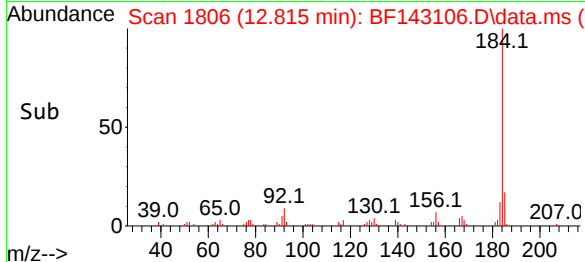
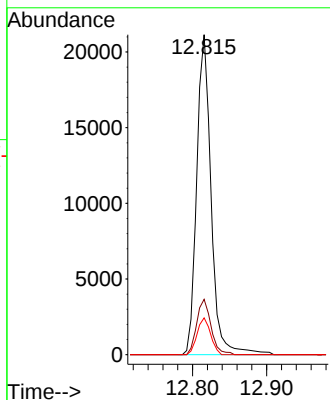
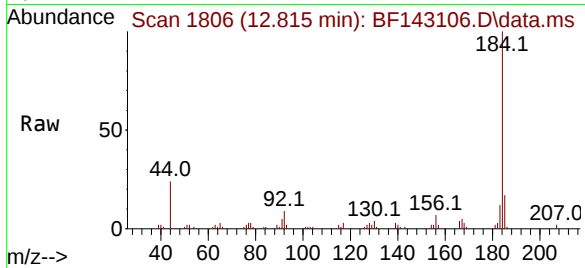




#77
Benzidine
Concen: 3.402 ng
RT: 12.815 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

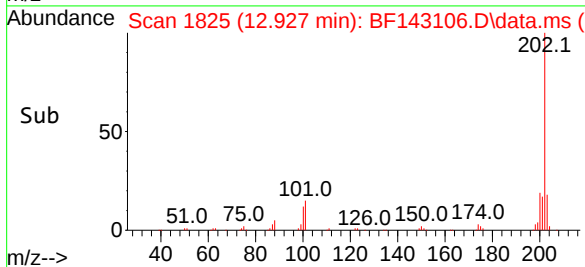
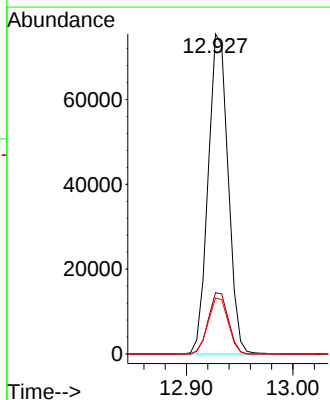
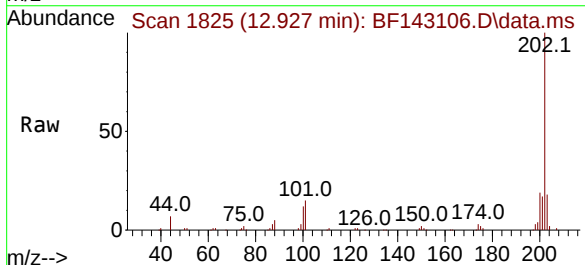
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

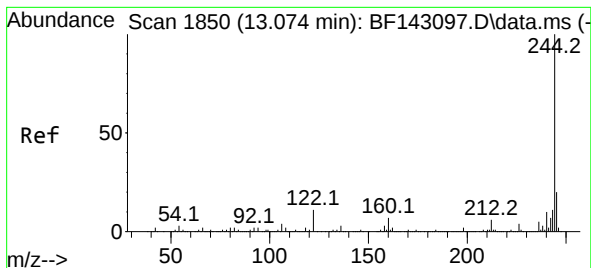
Tgt Ion:184	Resp:	28519
Ion Ratio	Lower	Upper
184	100	
185	17.3	12.4 18.6
183	11.5	8.6 12.8



#78
Pyrene
Concen: 4.304 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:202	Resp:	98267
Ion Ratio	Lower	Upper
202	100	
200	19.1	15.5 23.3
203	17.5	14.0 21.0





#79

Terphenyl-d14

Concen: 73.653 ng

RT: 13.074 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143106.D

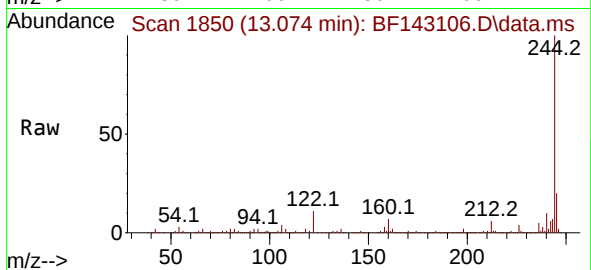
Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025



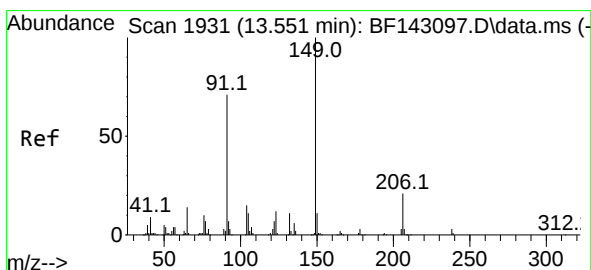
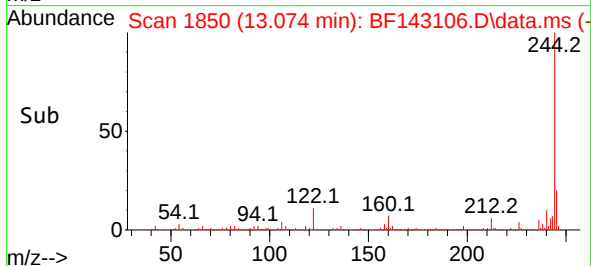
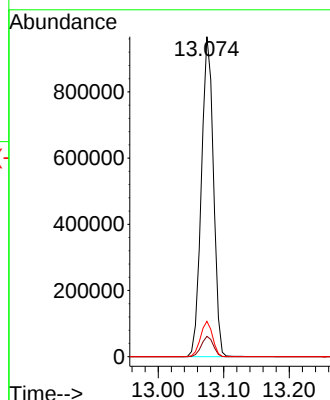
Tgt Ion:244 Resp: 1239839

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 11.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 5.786 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

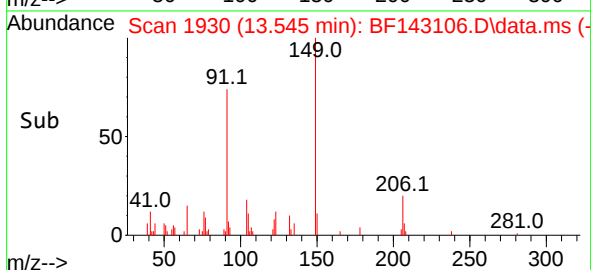
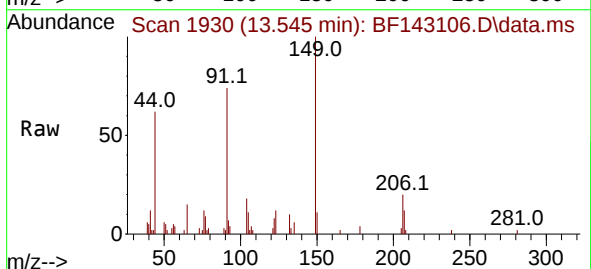
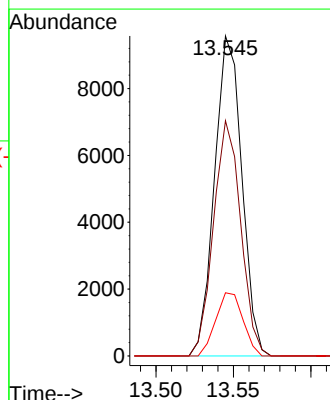
Tgt Ion:149 Resp: 11729

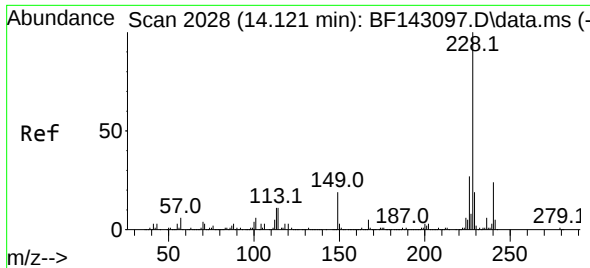
Ion Ratio Lower Upper

149 100

91 73.5 57.0 85.4

206 19.8 17.2 25.8

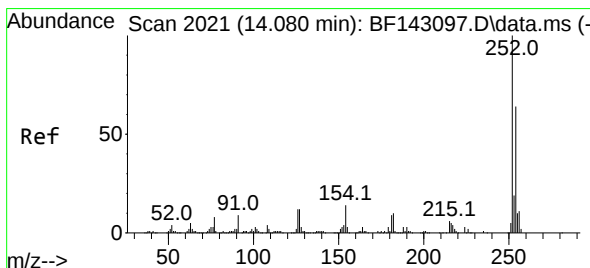
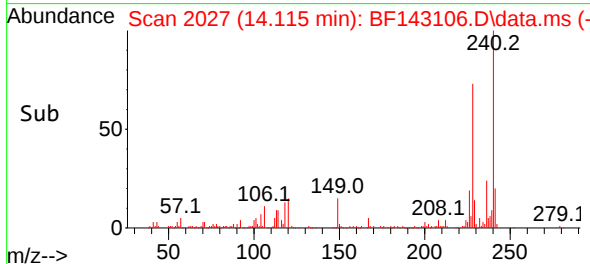
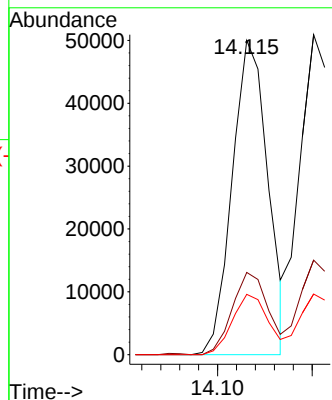
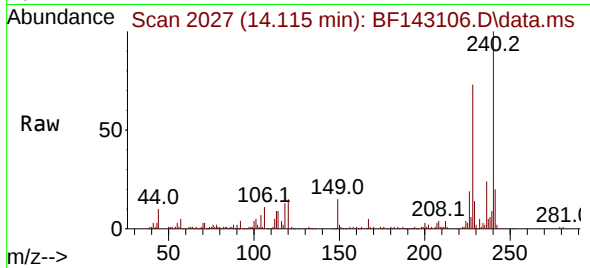




#81
Benzo(a)anthracene
Concen: 3.999 ng
RT: 14.115 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

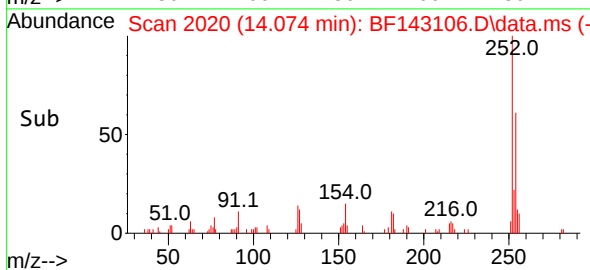
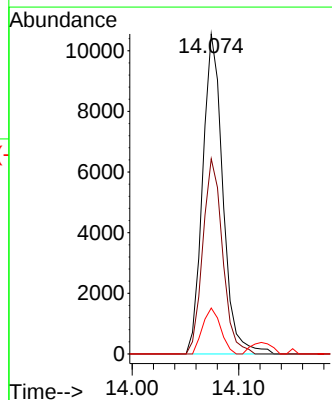
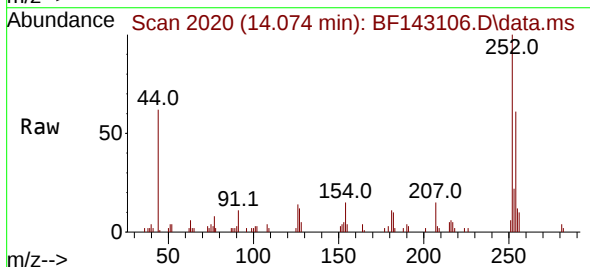
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2025

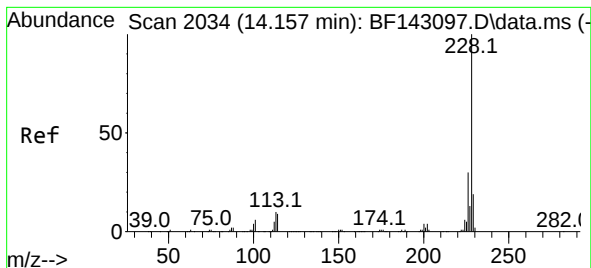
Tgt Ion:228 Resp: 65576
Ion Ratio Lower Upper
228 100
226 26.2 21.3 31.9
229 19.2 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 2.921 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:252 Resp: 13908
Ion Ratio Lower Upper
252 100
254 61.0 51.5 77.3
126 14.3 9.4 14.0#





#83

Chrysene

Concen: 4.301 ng

RT: 14.151 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

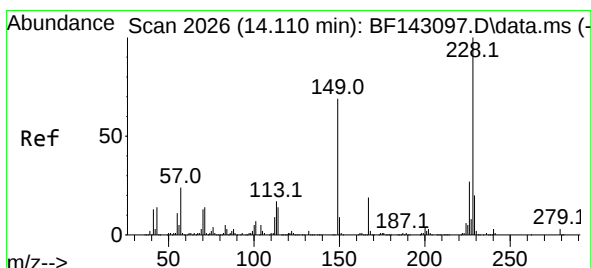
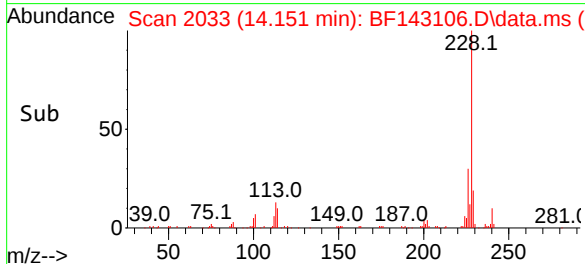
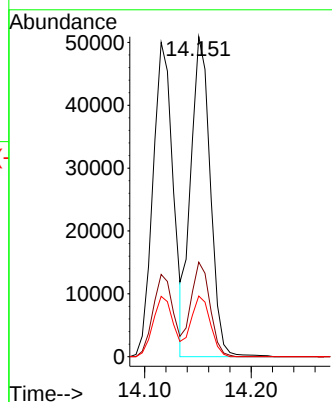
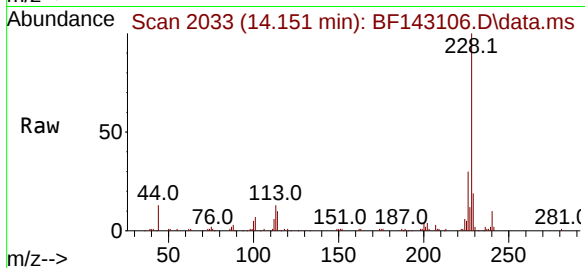
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:228	Resp:	64956
Ion Ratio	Lower	Upper
228	100	
226	29.5	23.4 35.2
229	18.9	15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.507 ng

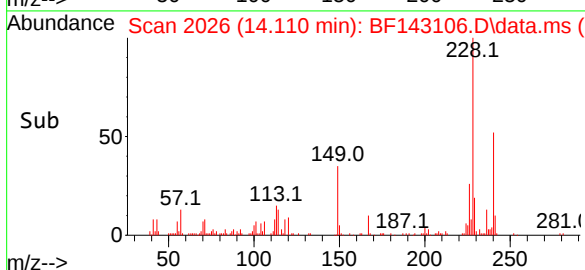
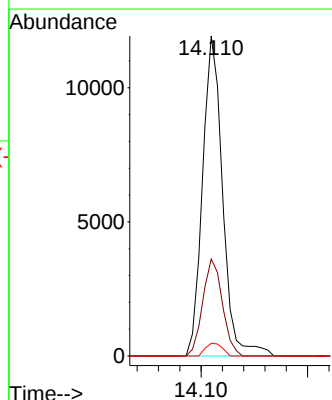
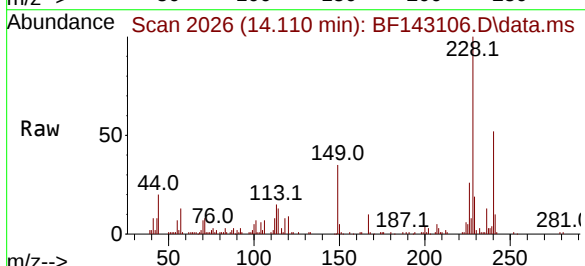
RT: 14.110 min Scan# 2026

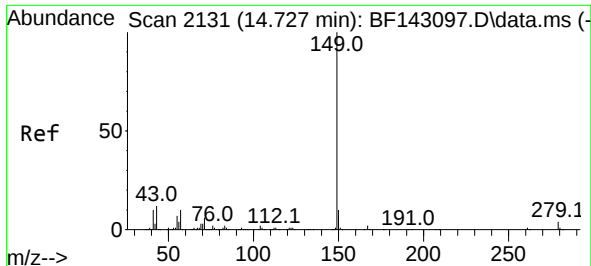
Delta R.T. -0.000 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Tgt Ion:149	Resp:	15610
Ion Ratio	Lower	Upper
149	100	
167	30.3	21.9 32.9
279	3.9	3.4 5.0

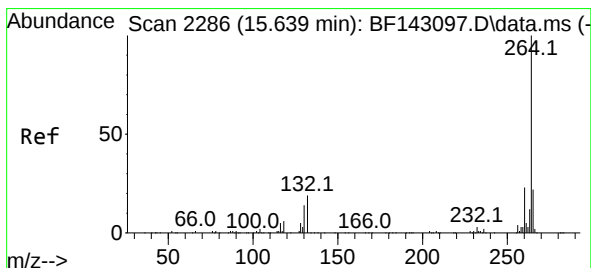
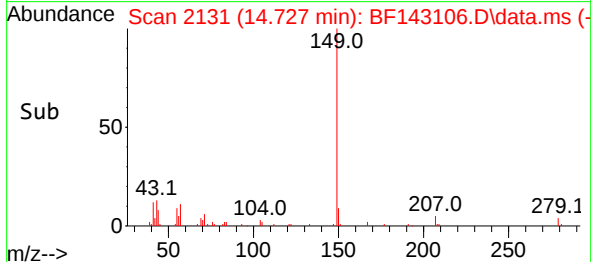
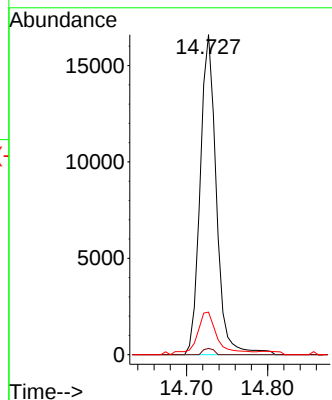
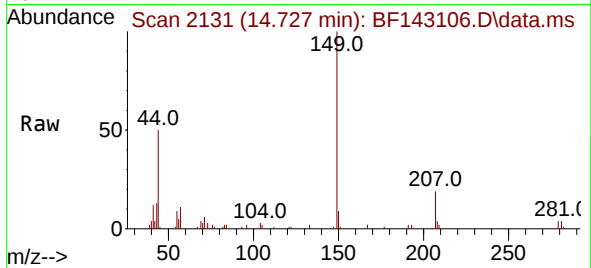




#85
Di-n-octyl phthalate
Concen: 8.206 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

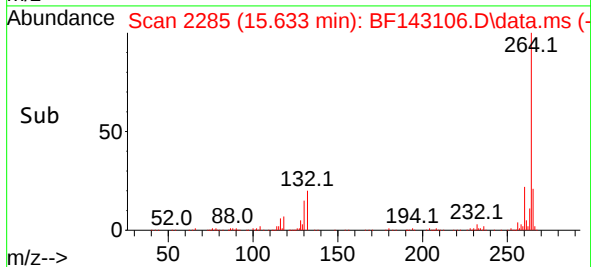
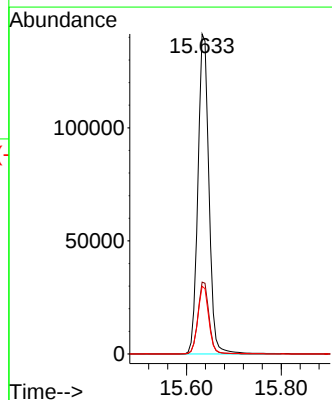
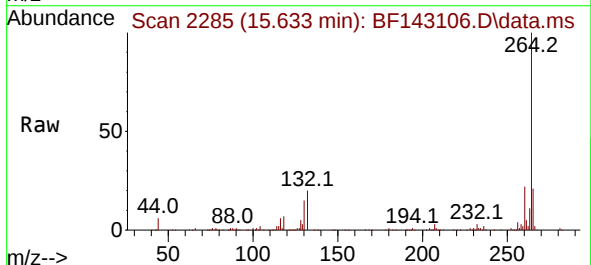
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

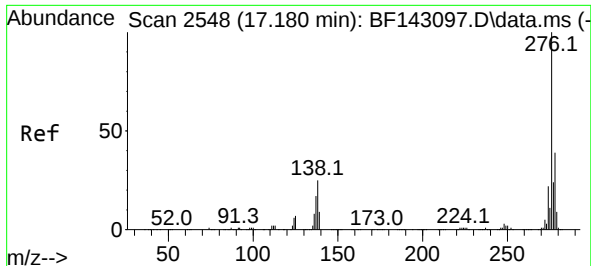
Tgt Ion:149 Resp: 23040
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 17.2 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:264 Resp: 228451
Ion Ratio Lower Upper
264 100
260 22.4 18.5 27.7
265 21.2 17.5 26.3

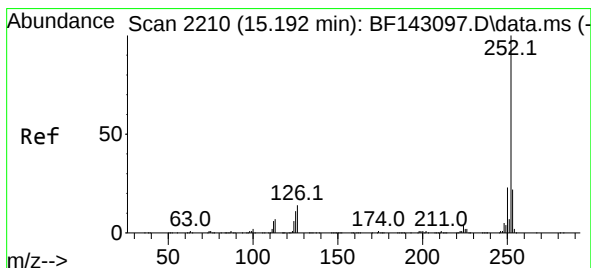
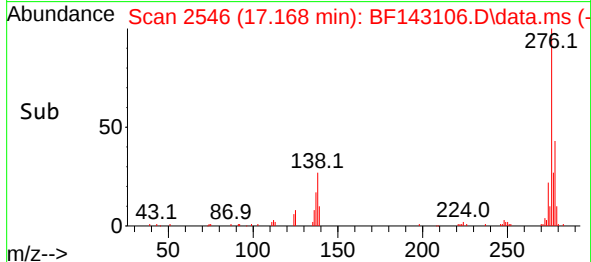
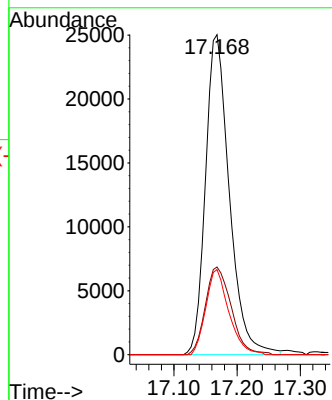
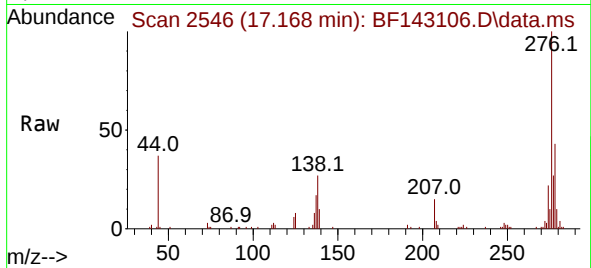




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.862 ng
 RT: 17.168 min Scan# 2109
 Delta R.T. -0.012 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

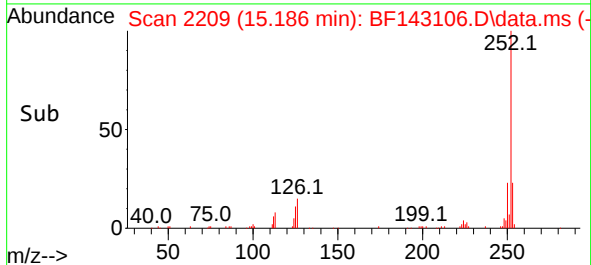
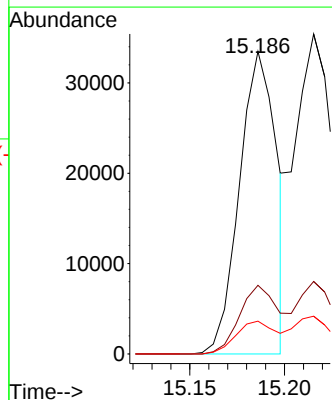
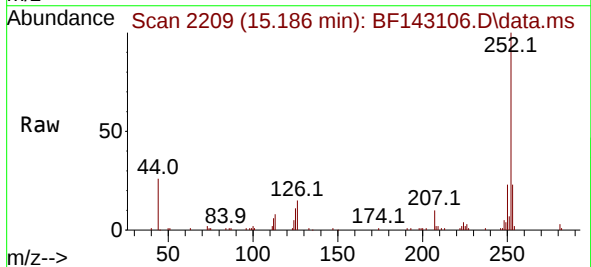
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT2-2025

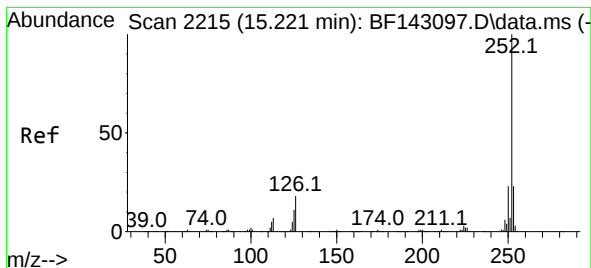
Tgt Ion:276 Resp: 65618
 Ion Ratio Lower Upper
 276 100
 138 29.6 22.6 34.0
 277 25.6 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 3.467 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: BF143106.D
 Acq: 16 Jul 2025 11:03

Tgt Ion:252 Resp: 45693
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 10.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 4.299 ng

RT: 15.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

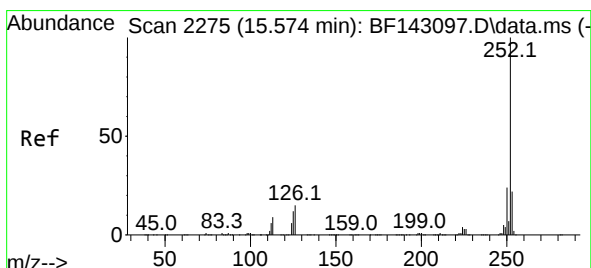
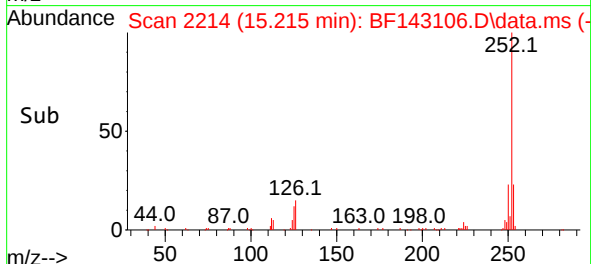
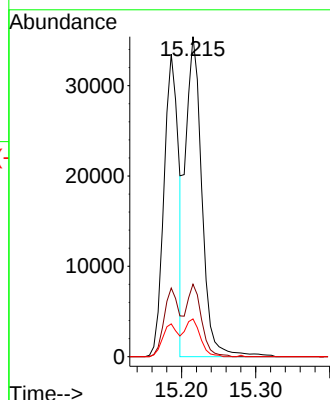
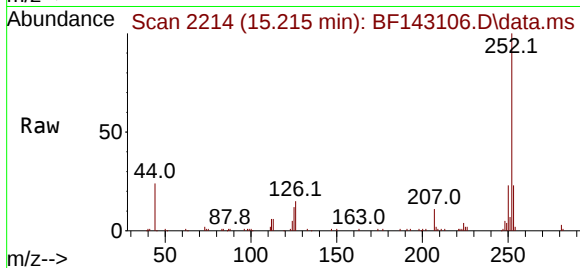
Tgt Ion:252 Resp: 54039

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 11.8 8.5 12.7



#90

Benzo(a)pyrene

Concen: 3.543 ng

RT: 15.568 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143106.D

Acq: 16 Jul 2025 11:03

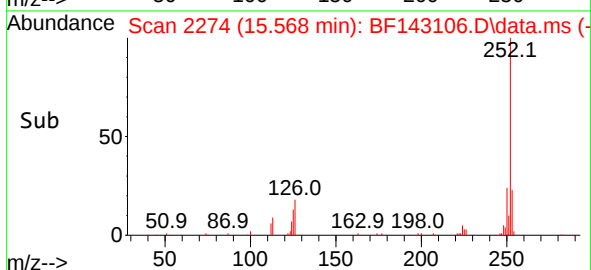
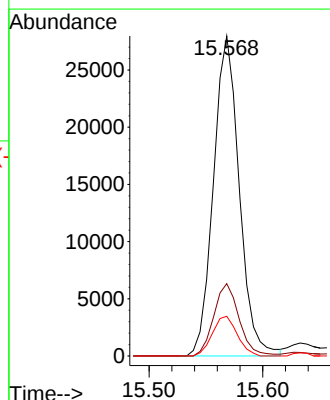
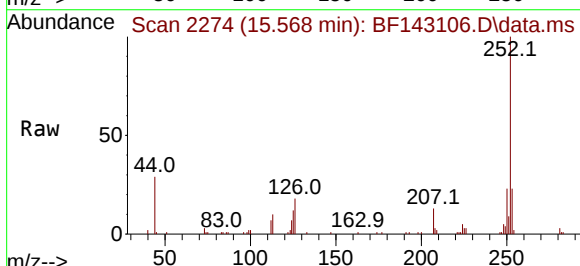
Tgt Ion:252 Resp: 44161

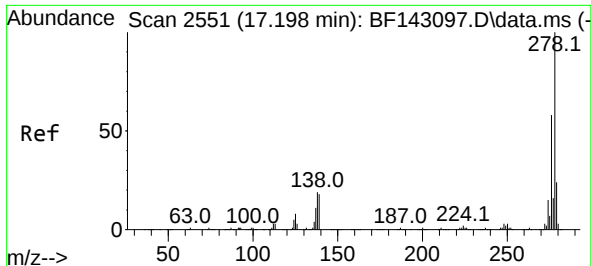
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 12.4 9.4 14.0

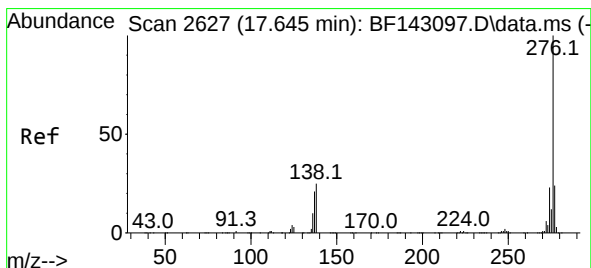
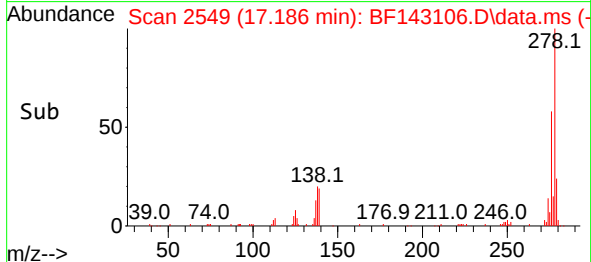
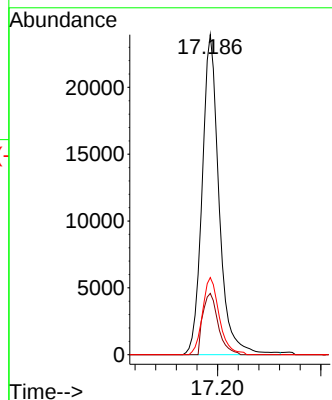
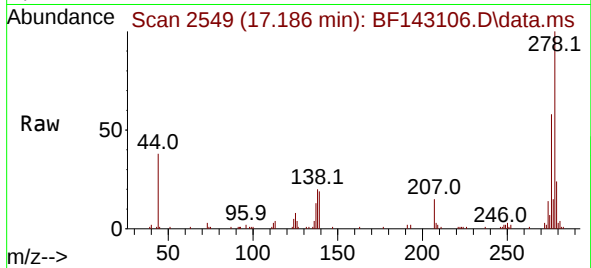




#91
Dibenzo(a,h)anthracene
Concen: 3.918 ng
RT: 17.186 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Tgt Ion:278 Resp: 54423
Ion Ratio Lower Upper
278 100
139 19.1 14.6 22.0
279 24.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 3.881 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143106.D
Acq: 16 Jul 2025 11:03

Tgt Ion:276 Resp: 54953
Ion Ratio Lower Upper
276 100
277 24.1 19.2 28.8
138 25.2 19.8 29.6

