

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143111.D
 Acq On : 16 Jul 2025 13:35
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jul 16 13:57:46 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	139129	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	534026	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	270953	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	452654	20.000	ng	0.00
76) Chrysene-d12	14.127	240	249777	20.000	ng	0.00
86) Perylene-d12	15.633	264	225940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	1006341	114.279	ng	0.00
7) Phenol-d6	6.587	99	1299183	117.370	ng	0.00
23) Nitrobenzene-d5	7.522	82	809786	85.066	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	326460	135.127	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1476712	72.447	ng	0.00
79) Terphenyl-d14	13.074	244	1348703	78.932	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	32909	7.507	ng	99
3) Pyridine	3.616	79	83091	7.486	ng	99
4) n-Nitrosodimethylamine	3.510	42	42193	7.337	ng	# 99
6) Aniline	6.628	93	123147	7.900	ng	99
8) 2-Chlorophenol	6.751	128	72470	8.191	ng	87
9) Benzaldehyde	6.516	77	66400	7.873	ng	99
10) Phenol	6.598	94	101623	8.481	ng	79
11) bis(2-Chloroethyl)ether	6.698	93	74941	8.078	ng	99
12) 1,3-Dichlorobenzene	6.910	146	80999	8.104	ng	100
13) 1,4-Dichlorobenzene	6.987	146	81742	8.129	ng	98
14) 1,2-Dichlorobenzene	7.140	146	79287	8.268	ng	99
15) Benzyl Alcohol	7.092	79	63720	7.769	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	135885	7.946	ng	99
17) 2-Methylphenol	7.198	107	60362	7.906	ng	98
18) Hexachloroethane	7.487	117	26018	7.948	ng	100
19) n-Nitroso-di-n-propyla...	7.363	70	54872	8.091	ng	96
20) 3+4-Methylphenols	7.351	107	78077	8.339	ng	# 84
22) Acetophenone	7.363	105	107304	8.335	ng	95
24) Nitrobenzene	7.540	77	80944	8.808	ng	99
25) Isophorone	7.775	82	143102	7.777	ng	99
26) 2-Nitrophenol	7.857	139	23426	9.787	ng	96
27) 2,4-Dimethylphenol	7.887	122	66917	7.836	ng	100
28) bis(2-Chloroethoxy)met...	7.987	93	90165	8.081	ng	99
29) 2,4-Dichlorophenol	8.092	162	56922	8.147	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	63215	7.973	ng	97
31) Naphthalene	8.269	128	220671	8.321	ng	98
32) Benzoic acid	7.934	122	20270	10.637	ng	96
33) 4-Chloroaniline	8.304	127	84898	7.961	ng	99
34) Hexachlorobutadiene	8.392	225	38172	8.050	ng	99
35) Caprolactam	8.634	113	16059	7.361	ng	91
36) 4-Chloro-3-methylphenol	8.775	107	60711	7.801	ng	99
37) 2-Methylnaphthalene	8.957	142	130261	8.234	ng	100
38) 1-Methylnaphthalene	9.057	142	136436	8.315	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	64480	8.166	ng	99
41) Hexachlorocyclopentadiene	9.116	237	27799	6.350	ng	98
43) 2,4,6-Trichlorophenol	9.228	196	37789	7.702	ng	97

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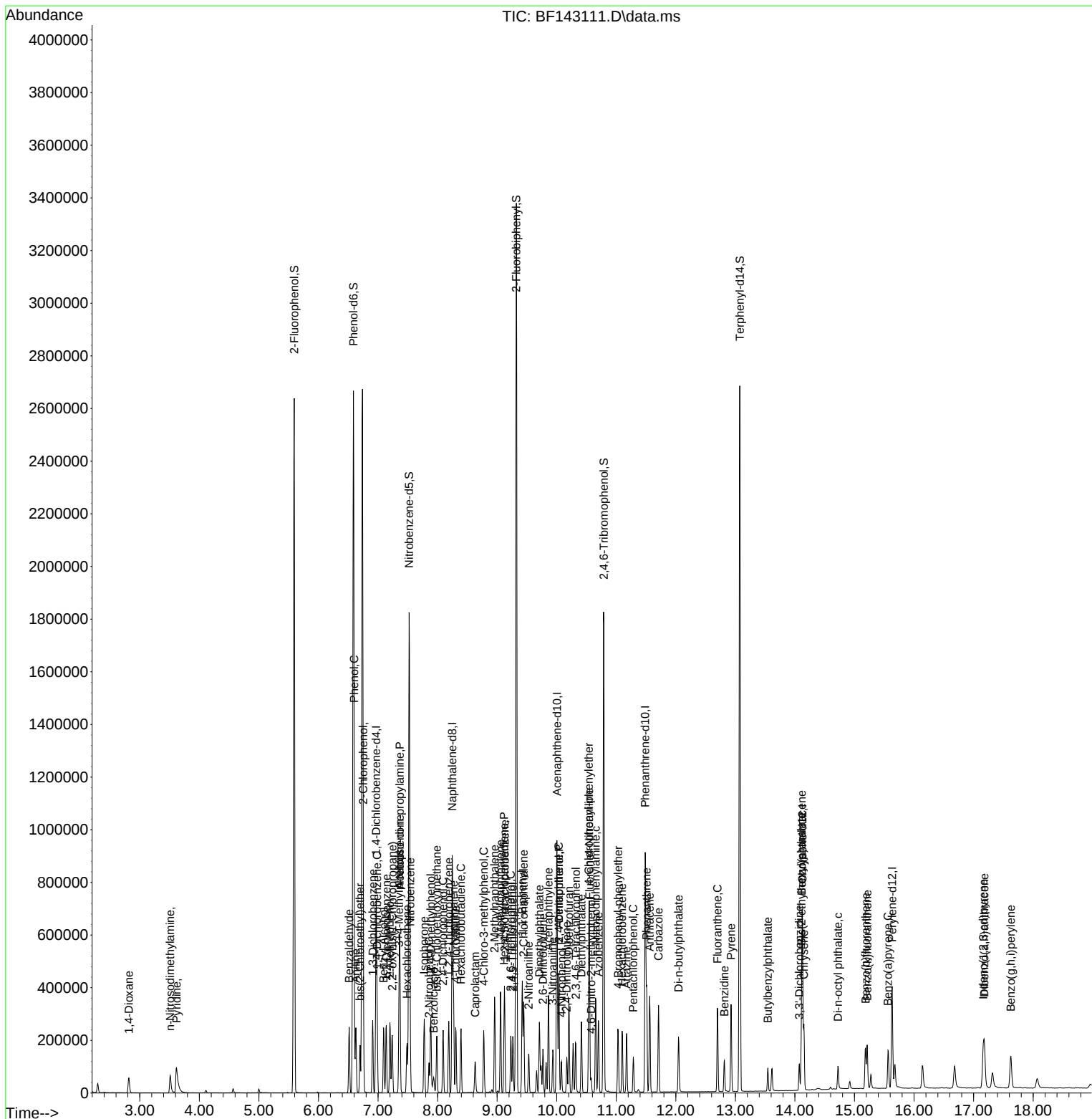
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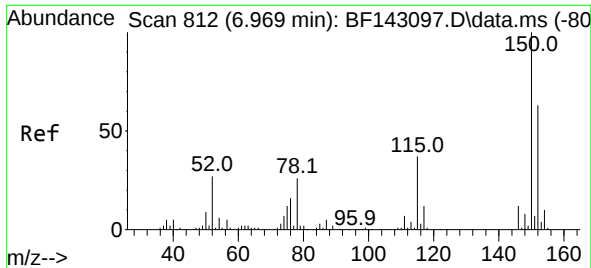
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	41302	8.028	ng	98
46) 1,1'-Biphenyl	9.422	154	176410	8.164	ng	99
47) 2-Chloronaphthalene	9.445	162	129212	8.140	ng	99
48) 2-Nitroaniline	9.528	65	31180	9.319	ng	97
49) Acenaphthylene	9.863	152	215809	8.159	ng	99
50) Dimethylphthalate	9.710	163	139258	8.169	ng	100
51) 2,6-Dinitrotoluene	9.769	165	22909	9.201	ng	99
52) Acenaphthene	10.033	154	128097	8.207	ng	100
53) 3-Nitroaniline	9.933	138	29835	8.100	ng	99
54) 2,4-Dinitrophenol	10.039	184	5626	10.705	ng #	1
55) Dibenzofuran	10.204	168	190120	8.172	ng	98
56) 4-Nitrophenol	10.081	139	21024	7.182	ng	97
57) 2,4-Dinitrotoluene	10.169	165	26137	9.173	ng	92
58) Fluorene	10.551	166	145725	8.354	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33403	8.170	ng	97
60) Diethylphthalate	10.416	149	132884	8.080	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	69420	8.304	ng	97
62) 4-Nitroaniline	10.545	138	26071	8.139	ng	98
63) Azobenzene	10.698	77	142444	7.832	ng	99
65) 4,6-Dinitro-2-methylph...	10.581	198	8489	10.677	ng	98
66) n-Nitrosodiphenylamine	10.657	169	123068	7.740	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	39418	7.657	ng	96
68) Hexachlorobenzene	11.098	284	42300	7.745	ng	99
69) Atrazine	11.175	200	31641	7.778	ng	99
70) Pentachlorophenol	11.286	266	19839	6.621	ng	98
71) Phenanthrene	11.510	178	197118	8.069	ng	99
72) Anthracene	11.563	178	190938	7.772	ng	100
73) Carbazole	11.710	167	176999	8.042	ng	98
74) Di-n-butylphthalate	12.045	149	154165	7.631	ng	100
75) Fluoranthene	12.698	202	177703	8.000	ng	99
77) Benzidine	12.816	184	62853	7.386	ng	96
78) Pyrene	12.927	202	182569	7.878	ng	99
80) Butylbenzylphthalate	13.545	149	25699	8.538	ng	98
81) Benzo(a)anthracene	14.116	228	123305	7.408	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	30140	6.236	ng	98
83) Chrysene	14.151	228	116433	7.595	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	35549	8.114	ng	98
85) Di-n-octyl phthalate	14.721	149	57609	10.423	ng	97
87) Indeno(1,2,3-cd)pyrene	17.162	276	130555	7.769	ng	99
88) Benzo(b)fluoranthene	15.186	252	95092	7.296	ng	99
89) Benzo(k)fluoranthene	15.216	252	97521	7.844	ng	99
90) Benzo(a)pyrene	15.563	252	92702	7.521	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	109816	7.994	ng	99
92) Benzo(g,h,i)perylene	17.627	276	108116	7.720	ng	98

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

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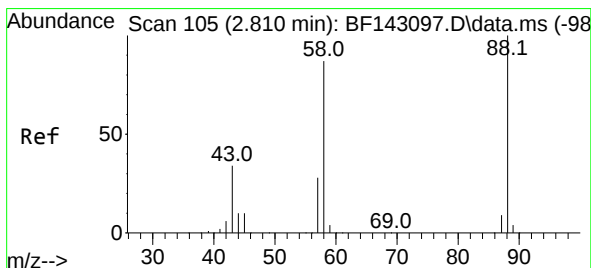
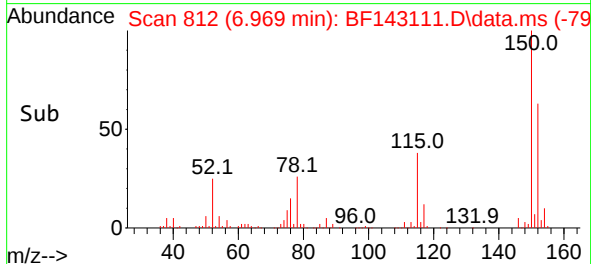
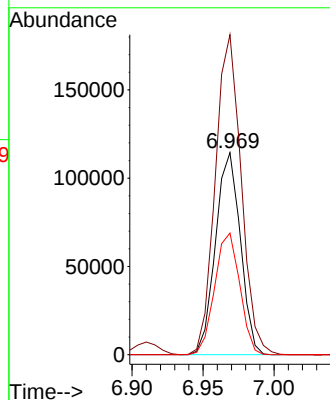
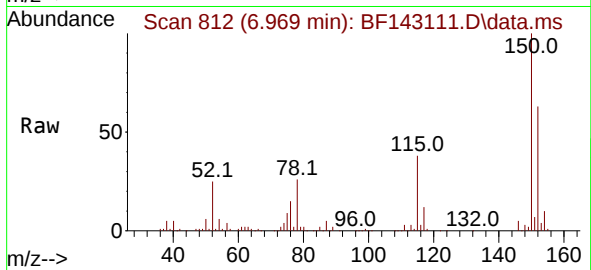




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

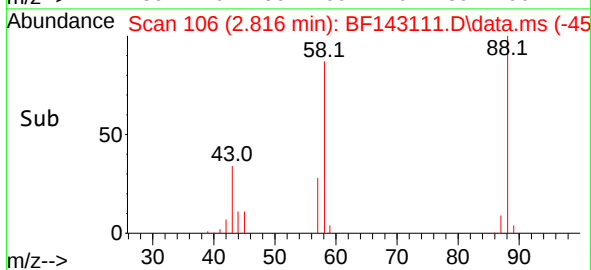
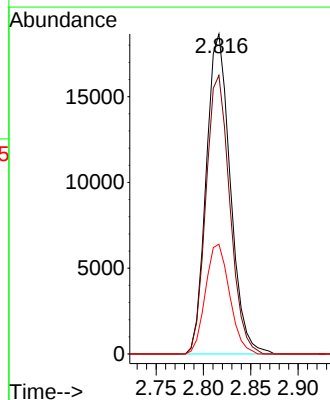
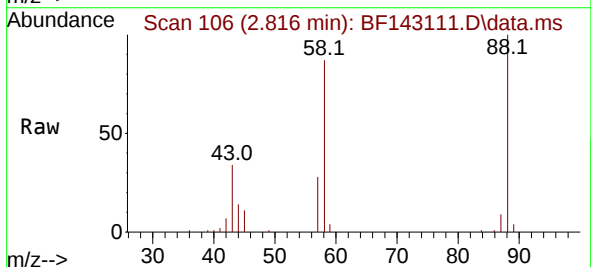
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

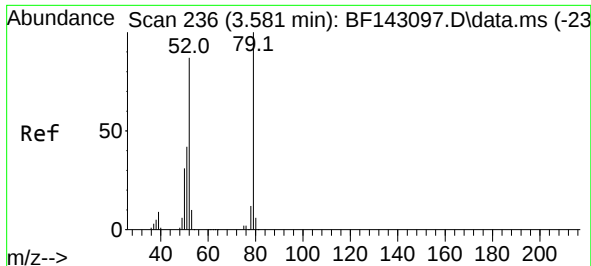
Tgt Ion:152 Resp: 139129
Ion Ratio Lower Upper
152 100
150 158.3 126.5 189.7
115 60.2 47.0 70.6



#2
1,4-Dioxane
Concen: 7.507 ng
RT: 2.816 min Scan# 106
Delta R.T. 0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion: 88 Resp: 32909
Ion Ratio Lower Upper
88 100
58 86.4 70.5 105.7
43 34.4 27.3 40.9

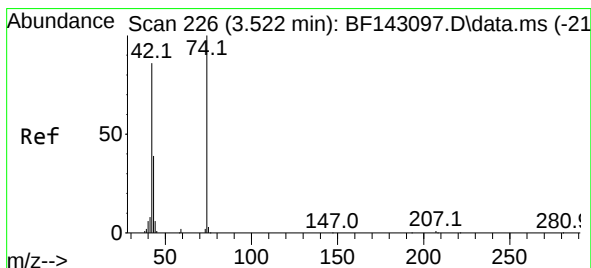
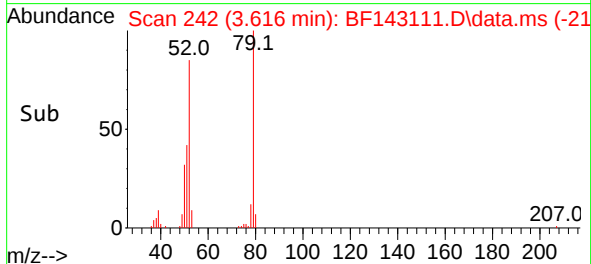
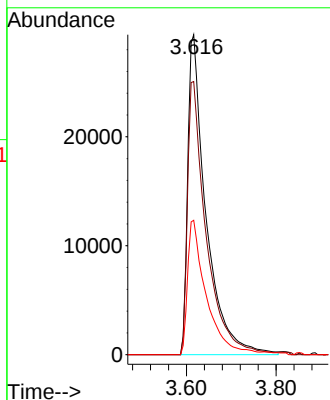
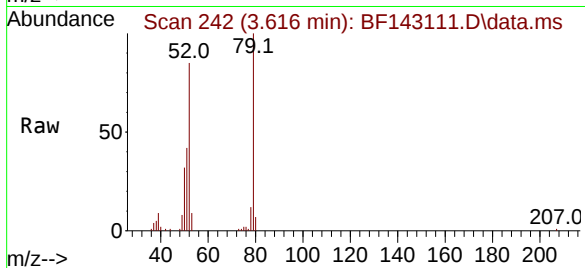




#3
Pyridine
Concen: 7.486 ng
RT: 3.616 min Scan# 24
Delta R.T. 0.035 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

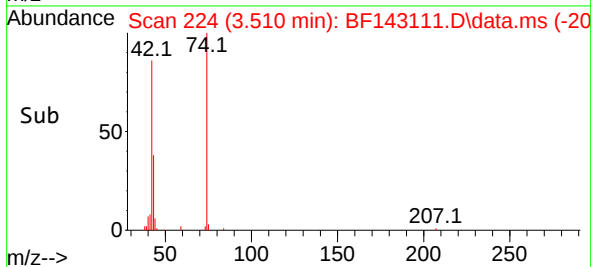
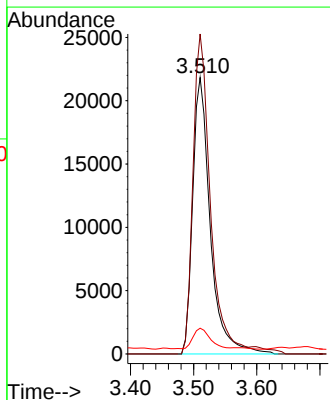
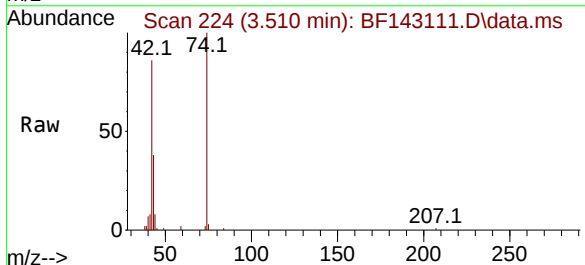
Instrument :
BNA_F
ClientSampleId :
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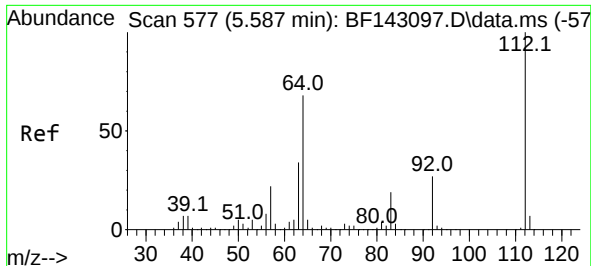
Tgt Ion: 79 Resp: 83091
Ion Ratio Lower Upper
79 100
52 85.4 69.2 103.8
51 42.0 33.3 49.9



#4
n-Nitrosodimethylamine
Concen: 7.337 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion: 42 Resp: 42193
Ion Ratio Lower Upper
42 100
74 115.8 92.8 139.2
44 9.3 5.8 8.6

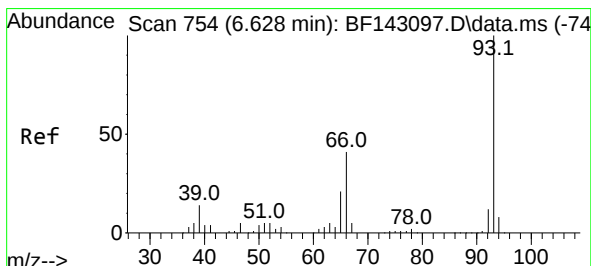
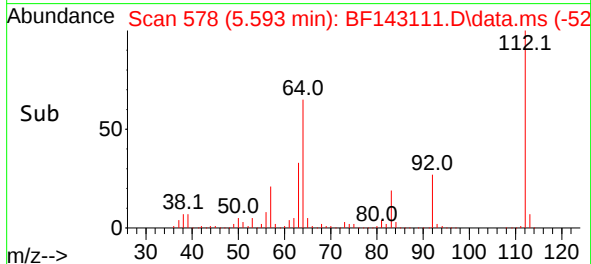
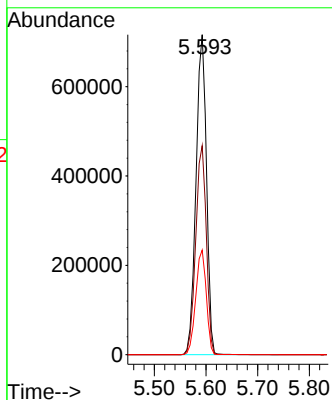
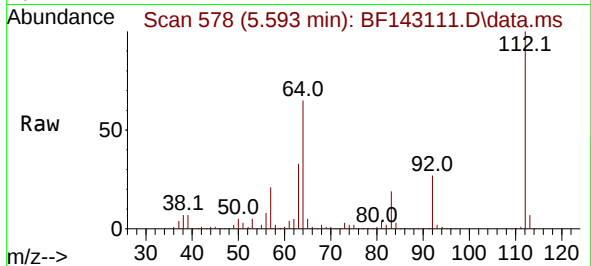




#5
2-Fluorophenol
Concen: 114.279 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

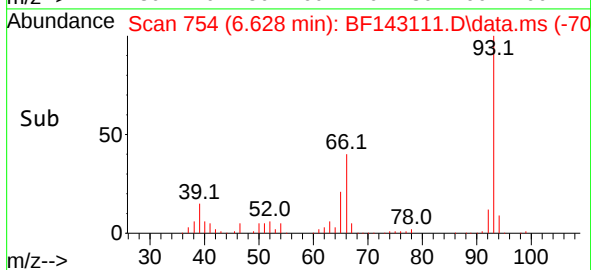
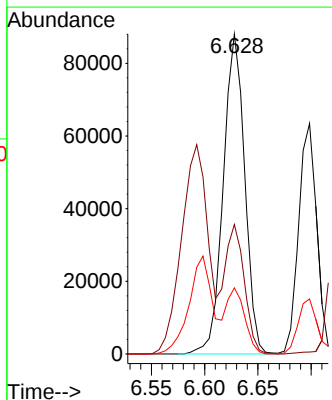
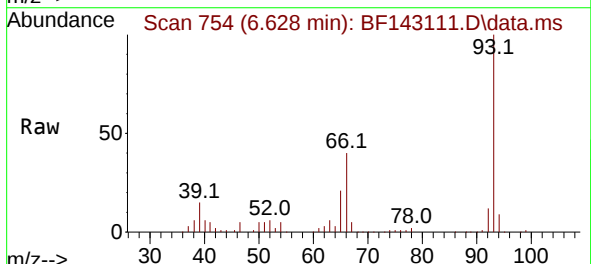
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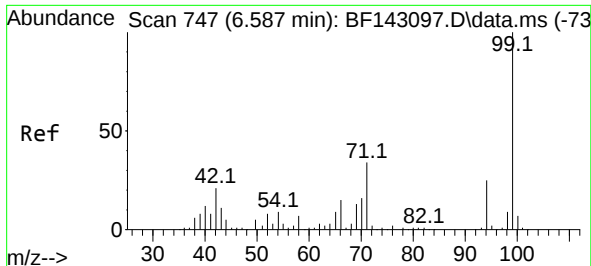
Tgt Ion:112 Resp: 1006341
Ion Ratio Lower Upper
112 100
64 65.3 54.6 82.0
63 32.7 27.3 40.9



#6
Aniline
Concen: 7.900 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion: 93 Resp: 123147
Ion Ratio Lower Upper
93 100
66 40.5 33.1 49.7
65 20.7 16.9 25.3

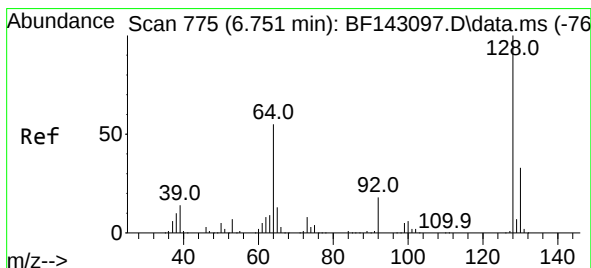
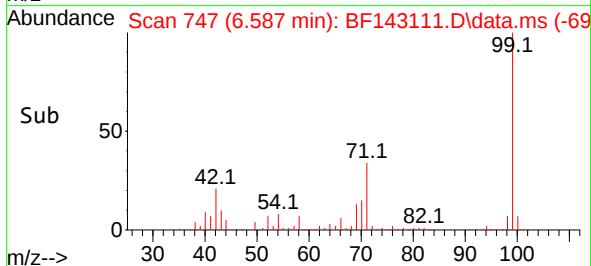
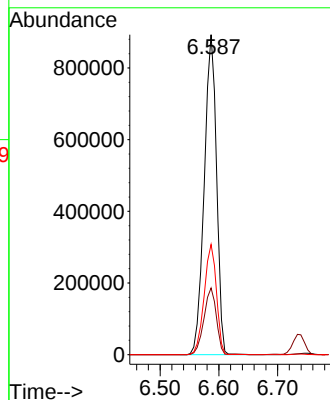
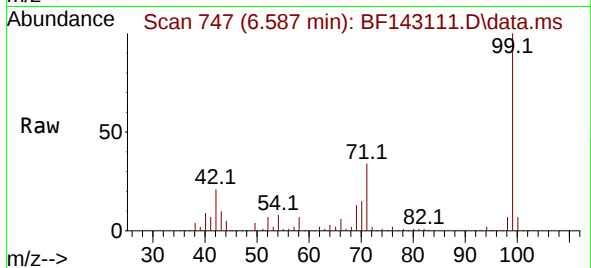




#7
Phenol-d6
Concen: 117.370 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

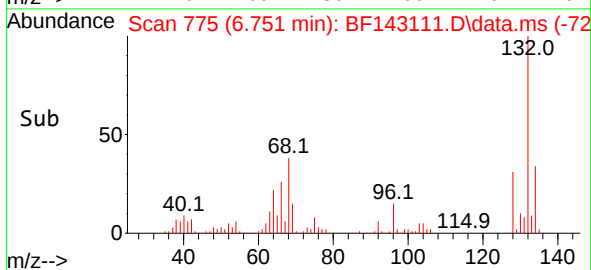
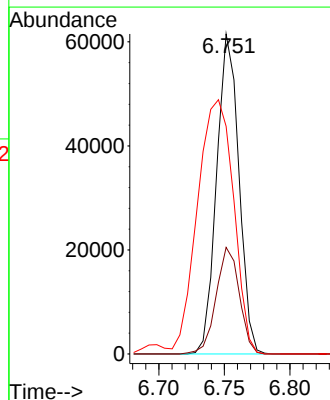
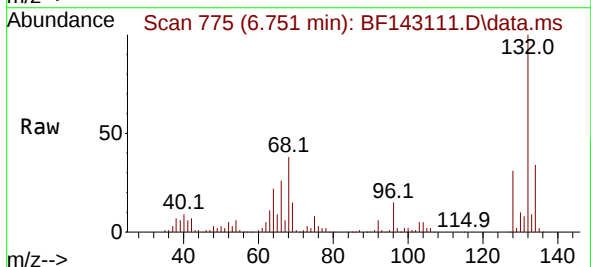
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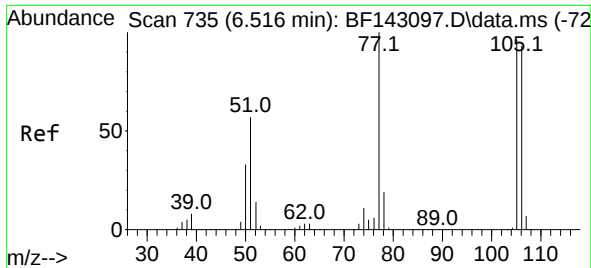
Tgt Ion: 99 Resp: 1299183
Ion Ratio Lower Upper
99 100
42 20.8 17.2 25.8
71 34.5 27.4 41.0



#8
2-Chlorophenol
Concen: 8.191 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:128 Resp: 72470
Ion Ratio Lower Upper
128 100
130 33.3 12.8 52.8
64 71.2 36.1 76.1





#9

Benzaldehyde

Concen: 7.873 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

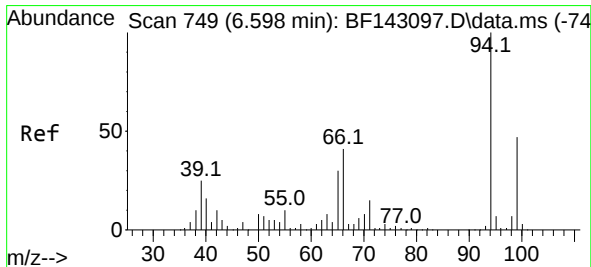
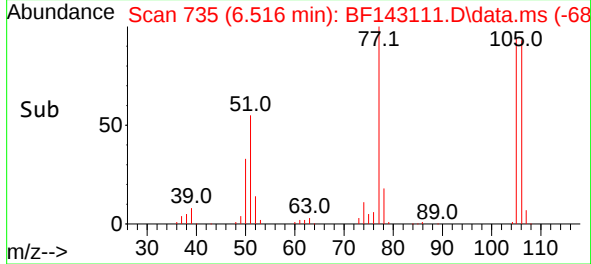
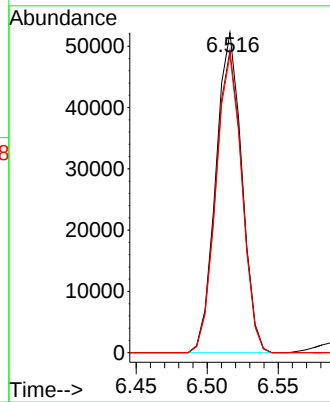
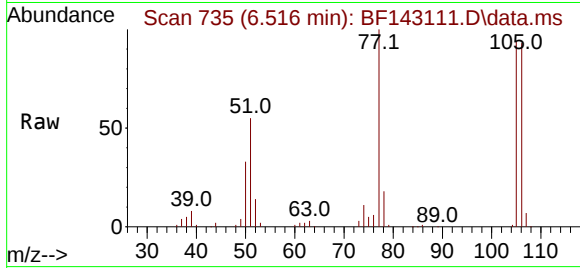
Tgt Ion: 77 Resp: 66400

Ion Ratio Lower Upper

77 100

105 94.5 76.3 116.3

106 93.0 72.8 112.8



#10

Phenol

Concen: 8.481 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

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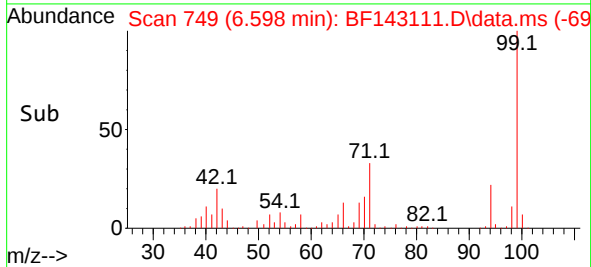
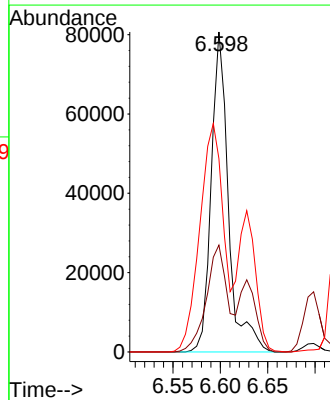
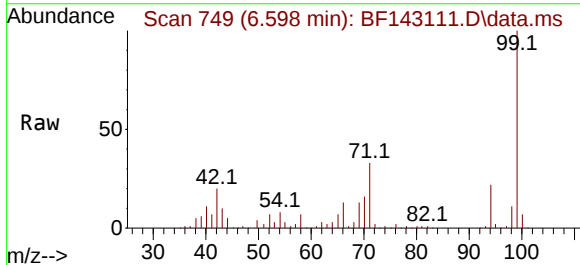
Tgt Ion: 94 Resp: 101623

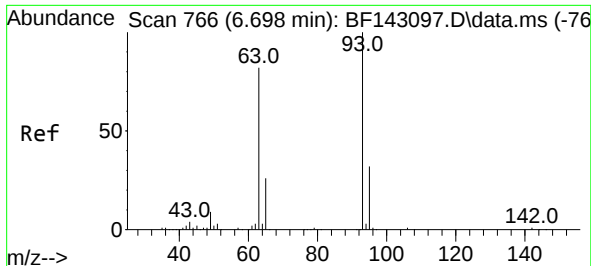
Ion Ratio Lower Upper

94 100

65 33.4 9.8 49.8

66 60.4 20.5 60.5

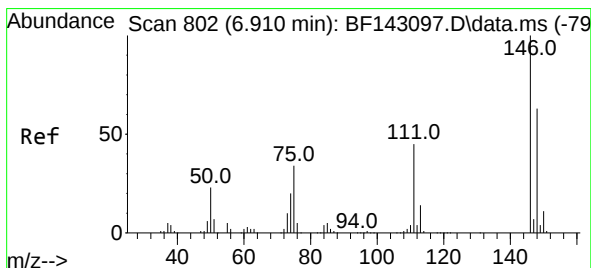
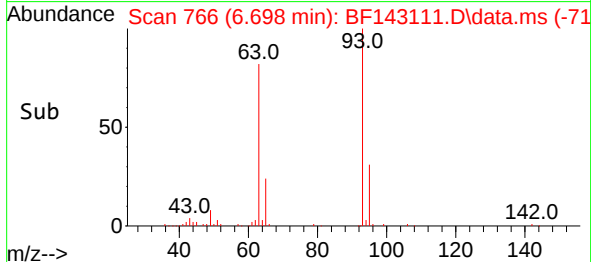
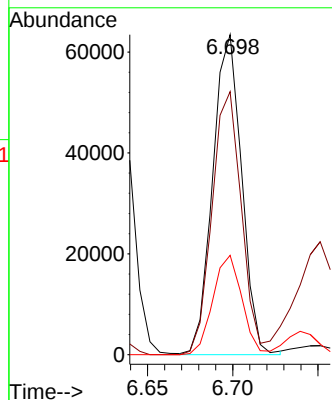
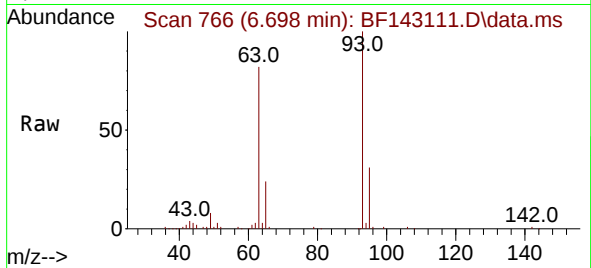




#11
bis(2-Chloroethyl)ether
Concen: 8.078 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

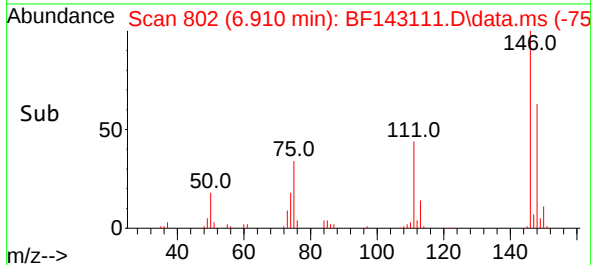
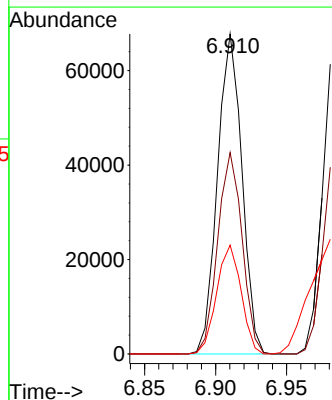
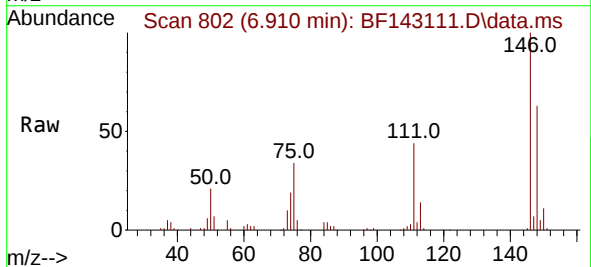
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

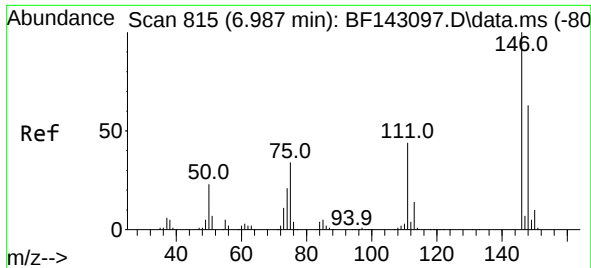
Tgt Ion:	93	Resp:	74941
Ion	Ratio	Lower	Upper
93	100		
63	82.2	61.9	101.9
95	31.0	12.2	52.2



#12
1,3-Dichlorobenzene
Concen: 8.104 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:	146	Resp:	80999
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.1	75.1
75	34.0	27.4	41.0

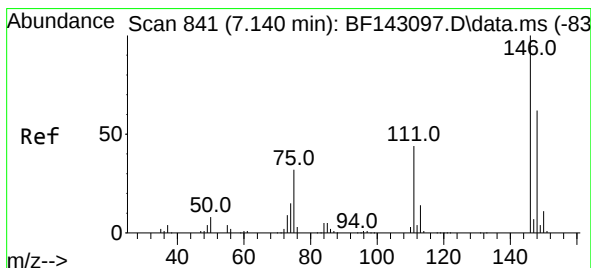
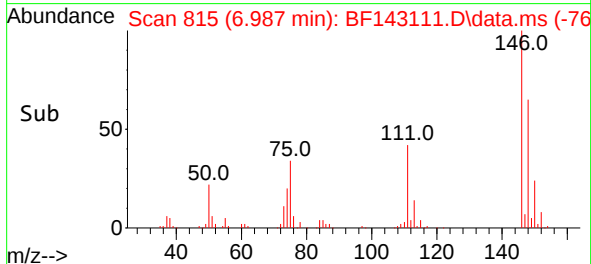
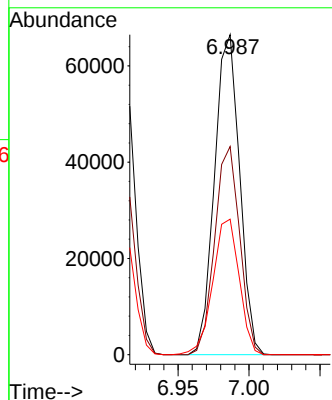
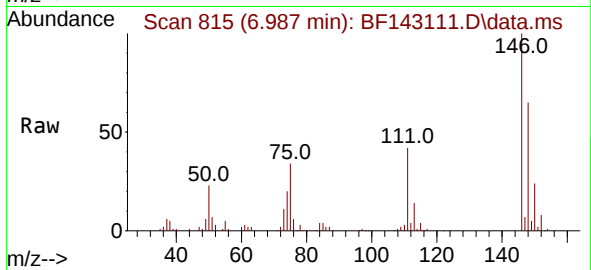




#13
1,4-Dichlorobenzene
Concen: 8.129 ng
RT: 6.987 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

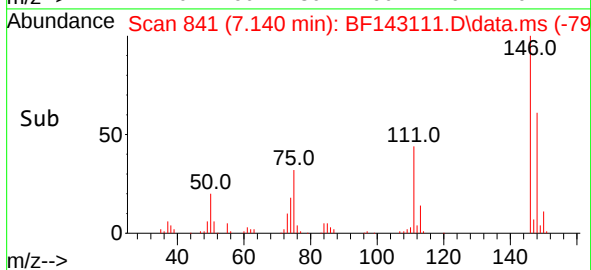
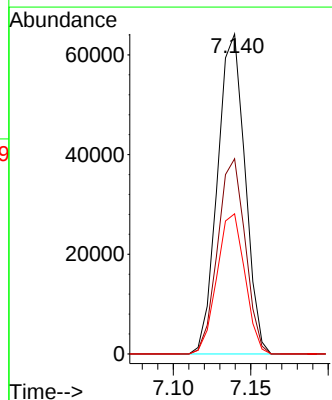
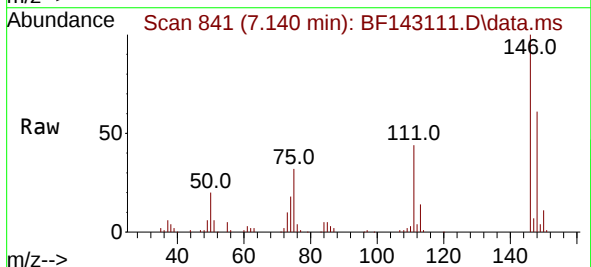
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

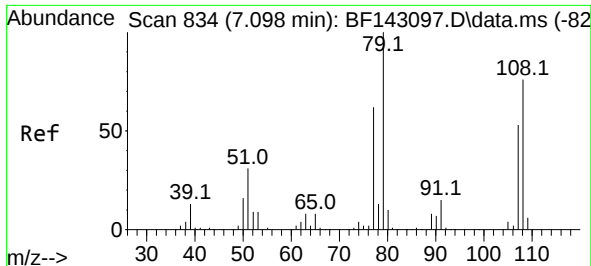
Tgt Ion:146 Resp: 81742
Ion Ratio Lower Upper
146 100
148 65.1 50.6 76.0
111 42.3 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 8.268 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:146 Resp: 79287
Ion Ratio Lower Upper
146 100
148 61.0 49.8 74.6
111 43.8 35.4 53.0

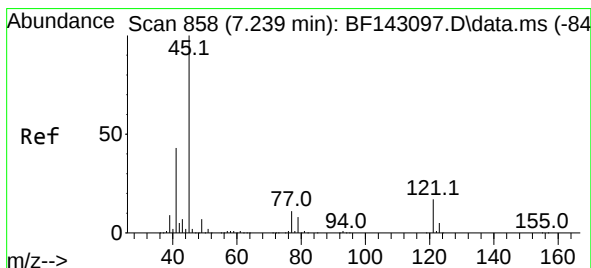
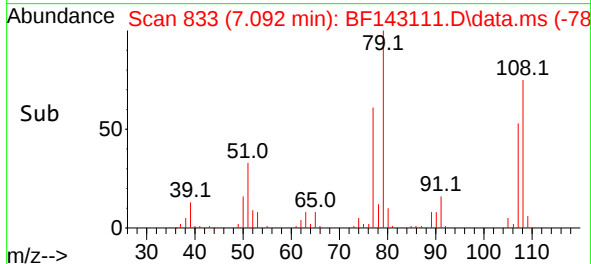
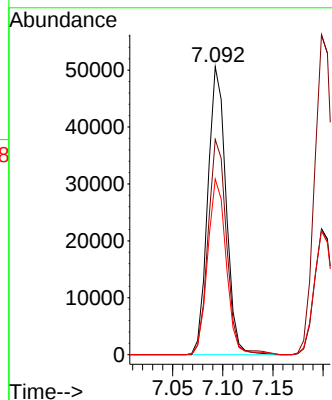
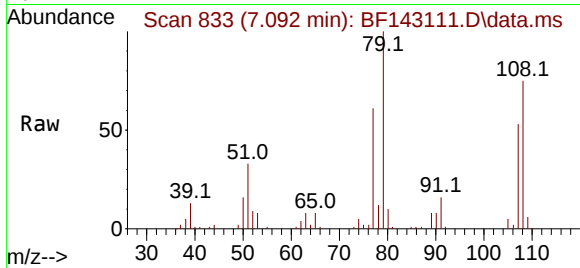




#15
Benzyl Alcohol
Concen: 7.769 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

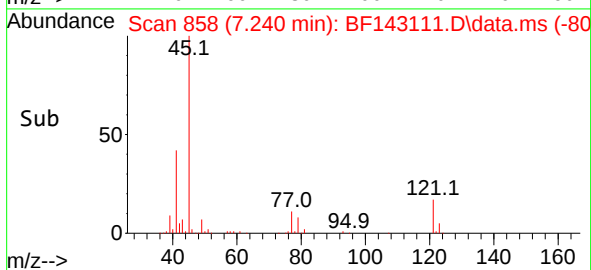
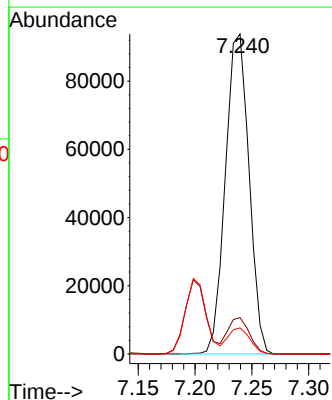
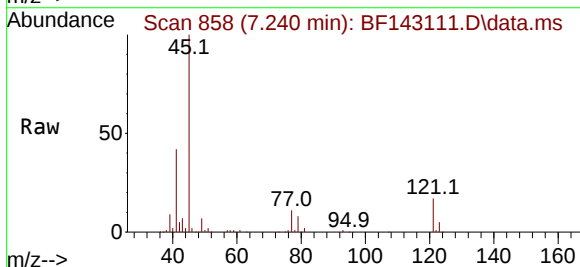
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

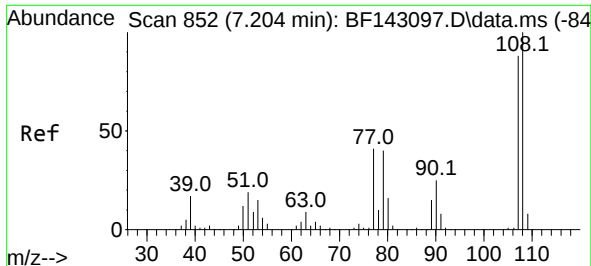
Tgt Ion: 79 Resp: 63720
Ion Ratio Lower Upper
79 100
108 74.7 61.1 91.7
77 61.0 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 7.946 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion: 45 Resp: 135885
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.1
79 8.2 0.0 28.4

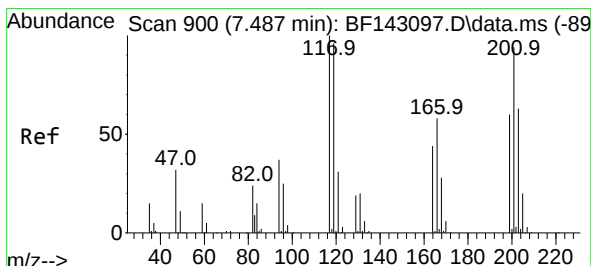
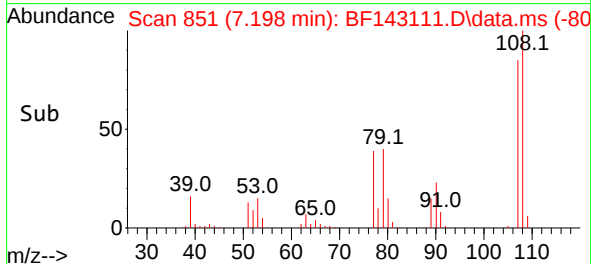
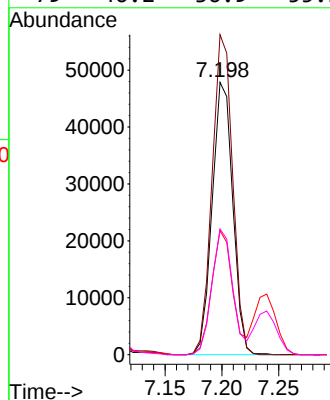
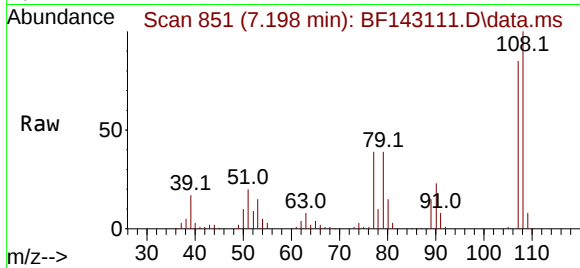




#17
2-Methylphenol
Concen: 7.906 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

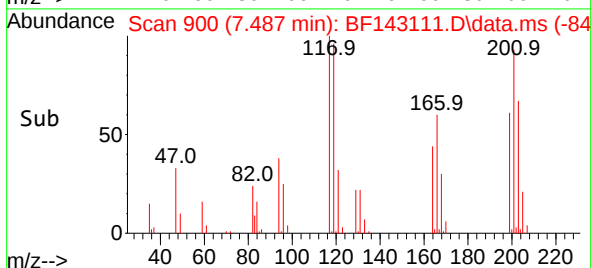
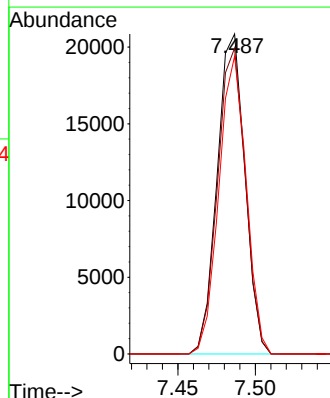
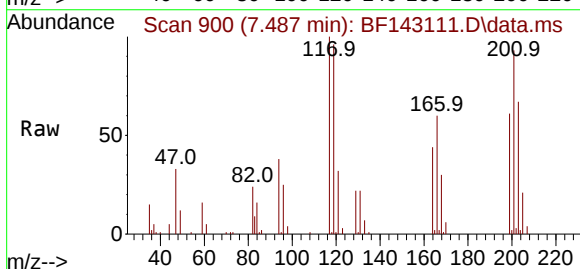
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

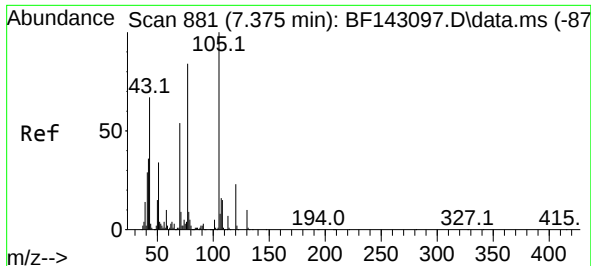
Tgt Ion:	107	Resp:	60362
Ion	Ratio	Lower	Upper
107	100		
108	117.5	90.9	136.3
77	45.5	37.5	56.3
79	46.2	36.9	55.3



#18
Hexachloroethane
Concen: 7.948 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:	117	Resp:	26018
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
201	93.1	75.0	112.4

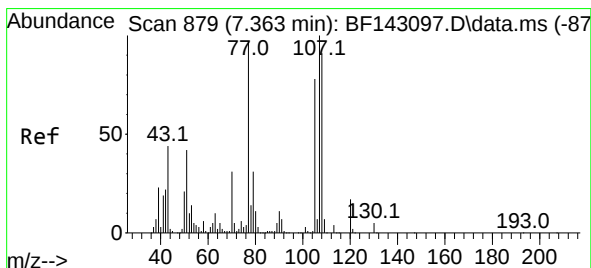
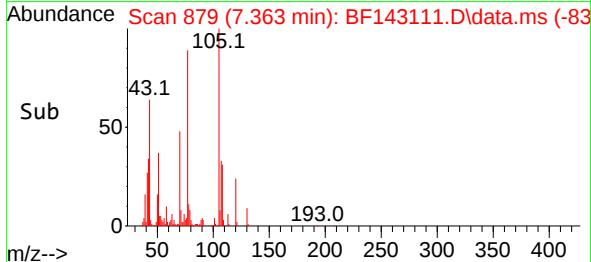
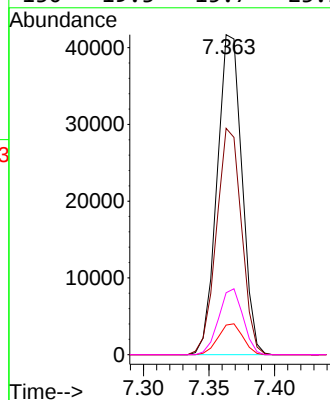
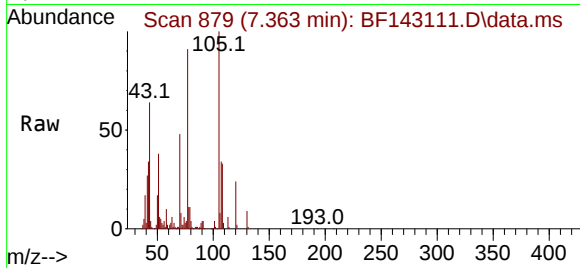




#19
n-Nitroso-di-n-propylamine
Concen: 8.091 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

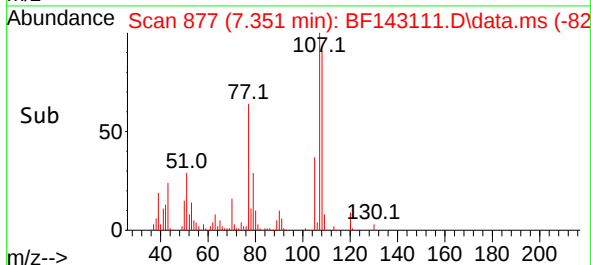
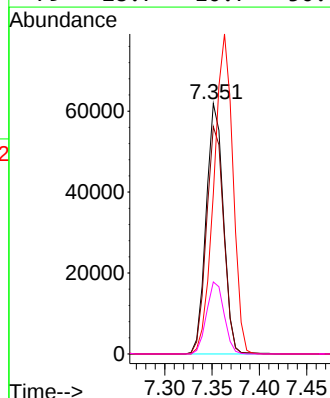
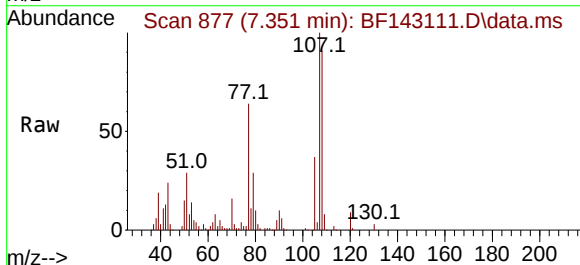
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

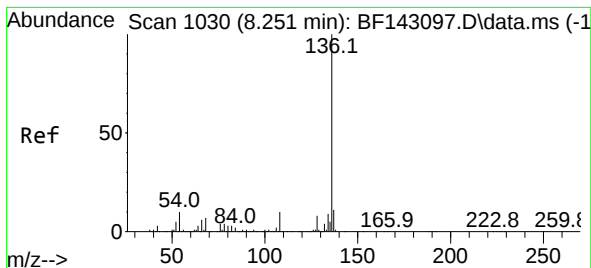
Tgt Ion:	70	Resp:	54872
Ion	Ratio	Lower	Upper
70	100		
42	70.8	53.2	79.8
101	9.2	7.5	11.3
130	19.3	15.7	23.5



#20
3+4-Methylphenols
Concen: 8.339 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:	107	Resp:	78077
Ion	Ratio	Lower	Upper
107	100		
108	90.8	71.3	111.3
77	63.9	77.2	117.2#
79	28.7	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143111.D

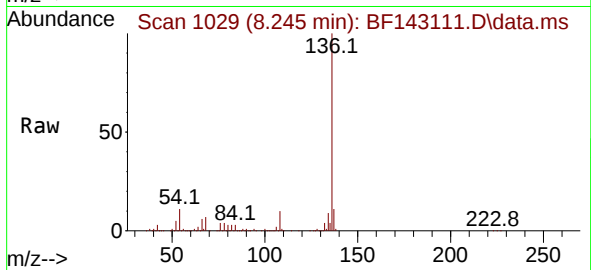
Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:136 Resp: 534026

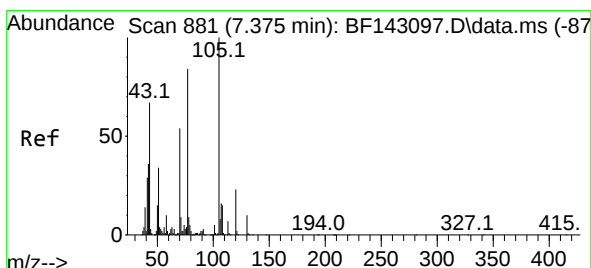
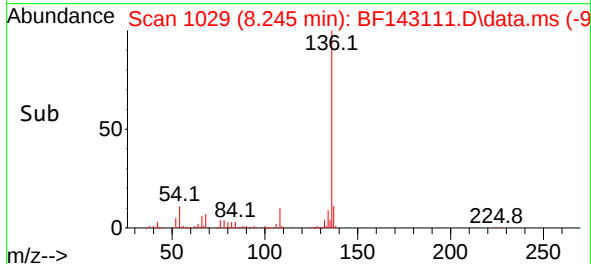
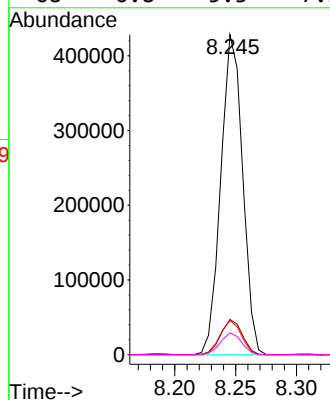
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.7 8.3 12.5

68 6.8 5.3 7.9



#22

Acetophenone

Concen: 8.335 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.012 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Tgt Ion:105 Resp: 107304

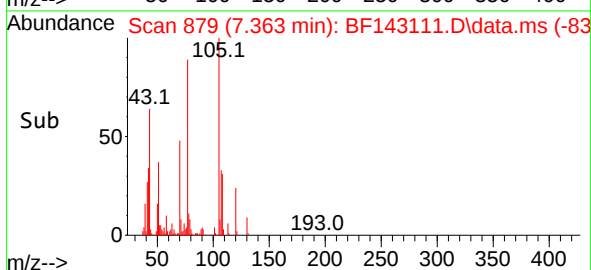
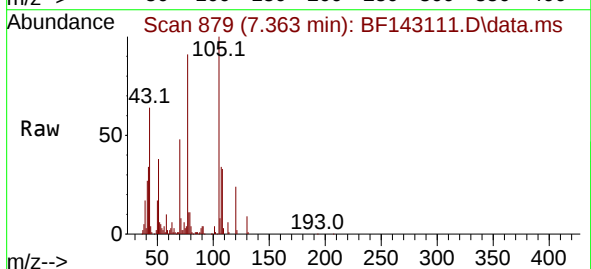
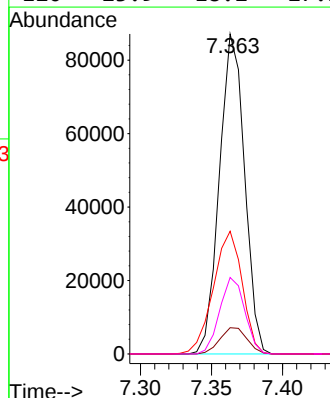
Ion Ratio Lower Upper

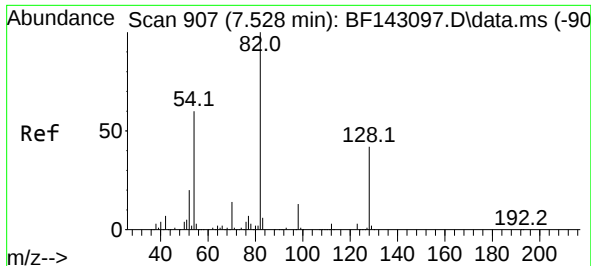
105 100

71 8.2 7.2 10.8

51 38.3 27.0 40.4

120 23.9 18.2 27.2





#23

Nitrobenzene-d5

Concen: 85.066 ng

RT: 7.522 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

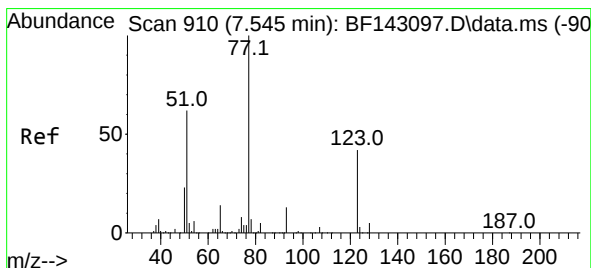
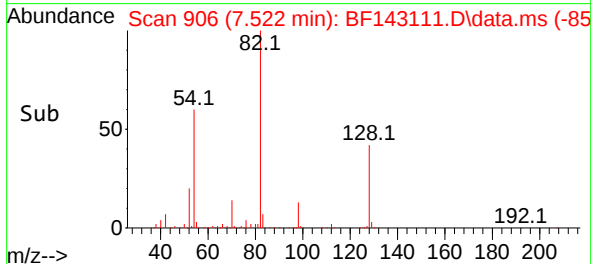
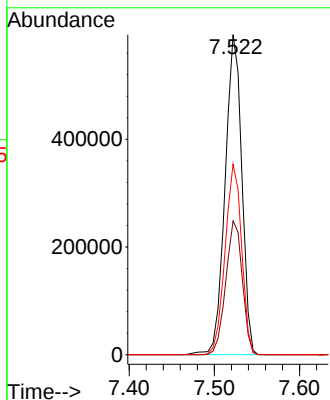
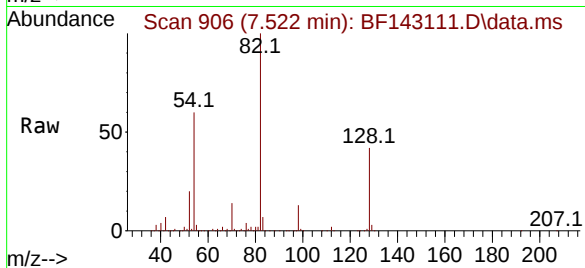
Tgt Ion: 82 Resp: 809786

Ion Ratio Lower Upper

82 100

128 41.8 33.3 49.9

54 59.6 47.4 71.2



#24

Nitrobenzene

Concen: 8.808 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

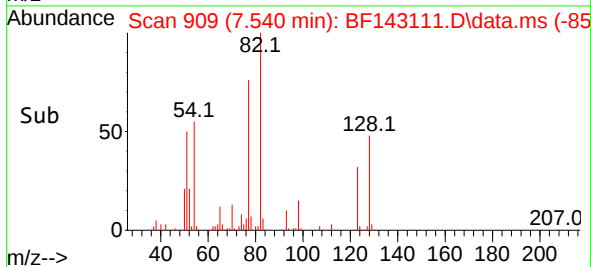
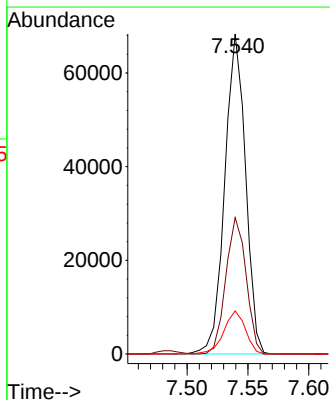
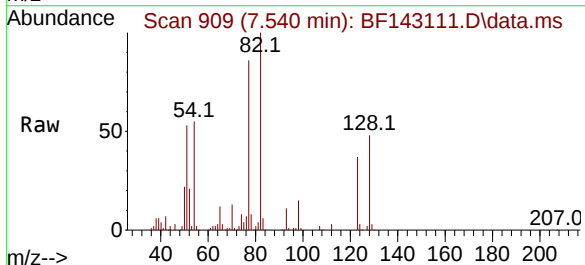
Tgt Ion: 77 Resp: 80944

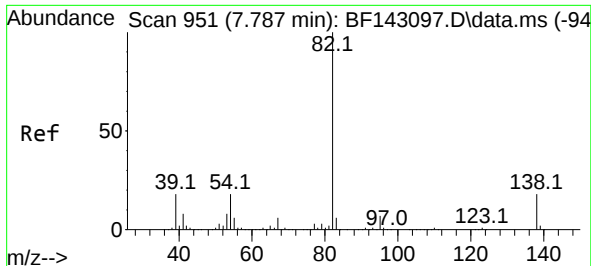
Ion Ratio Lower Upper

77 100

123 42.6 34.5 51.7

65 13.4 11.3 16.9

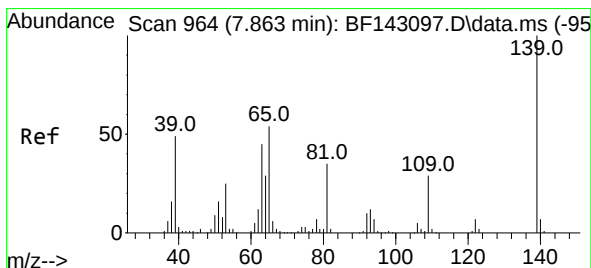
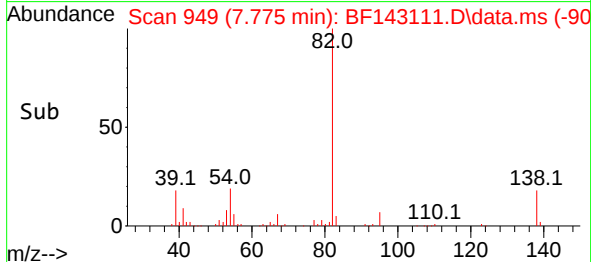
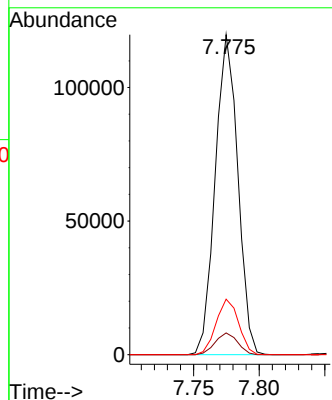
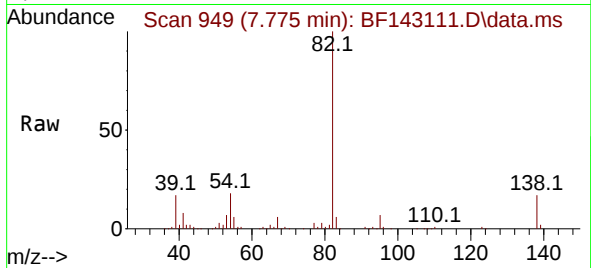




#25
Isophorone
Concen: 7.777 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

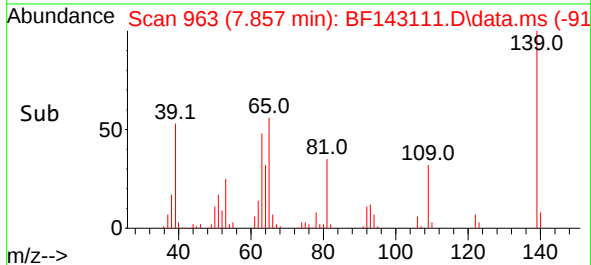
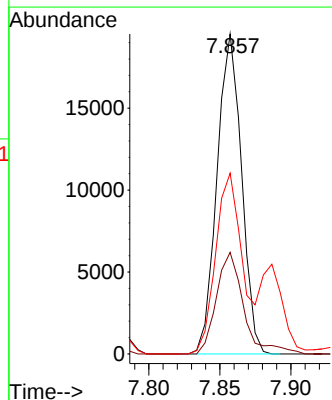
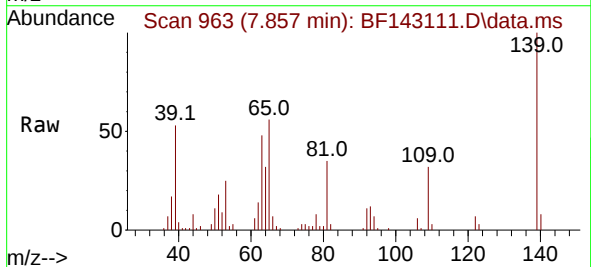
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

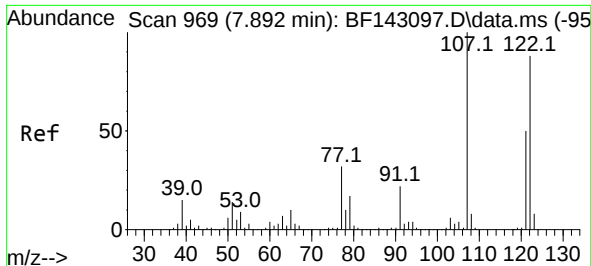
Tgt Ion: 82 Resp: 143102
Ion Ratio Lower Upper
82 100
95 6.8 5.6 8.4
138 17.4 14.3 21.5



#26
2-Nitrophenol
Concen: 9.787 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:139 Resp: 23426
Ion Ratio Lower Upper
139 100
109 31.8 23.4 35.0
65 56.5 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 7.836 ng

RT: 7.887 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

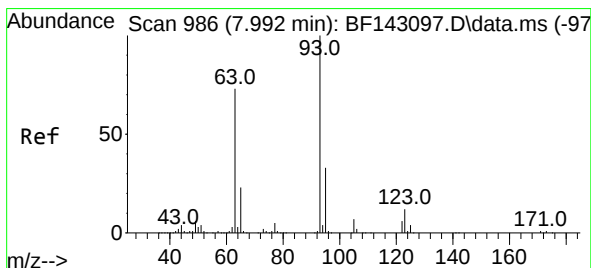
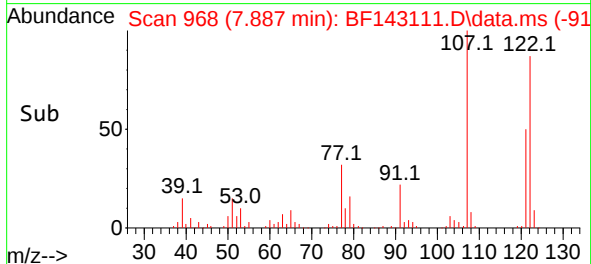
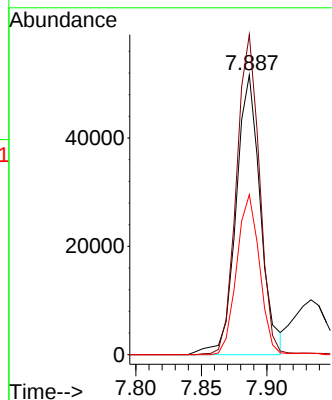
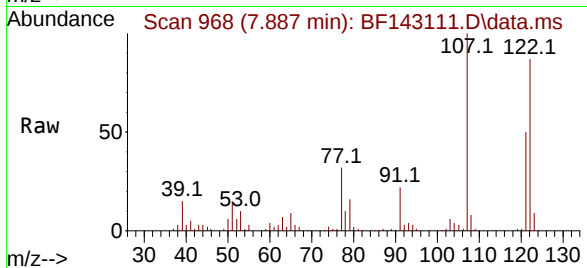
Tgt Ion:122 Resp: 66917

Ion Ratio Lower Upper

122 100

107 114.4 91.3 136.9

121 57.2 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 8.081 ng

RT: 7.987 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

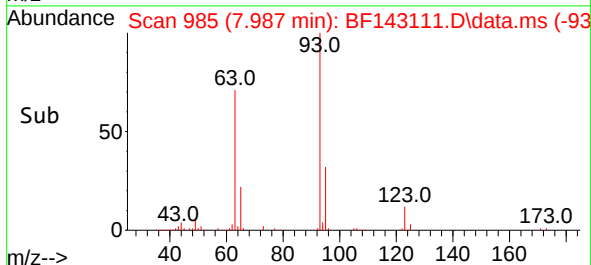
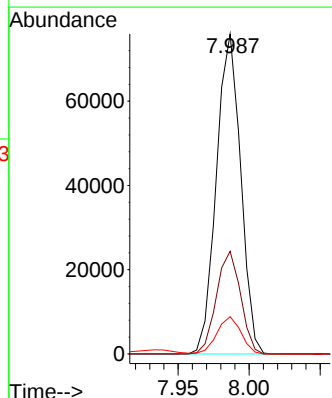
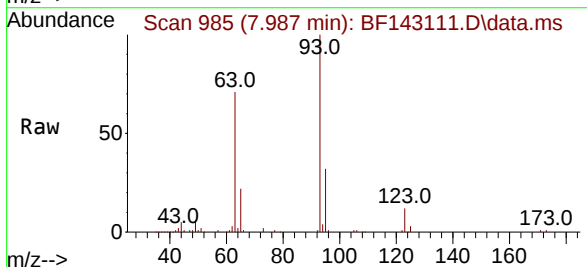
Tgt Ion: 93 Resp: 90165

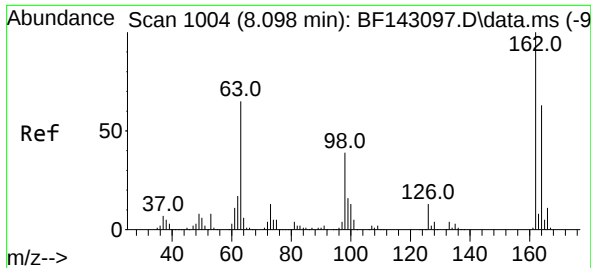
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.4

123 11.6 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 8.147 ng

RT: 8.092 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

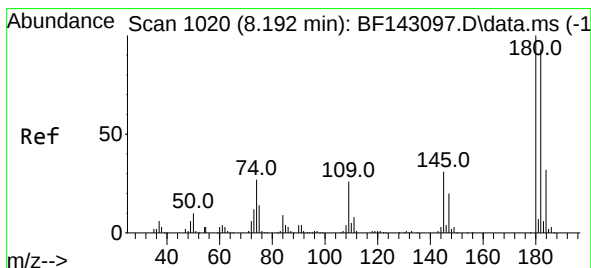
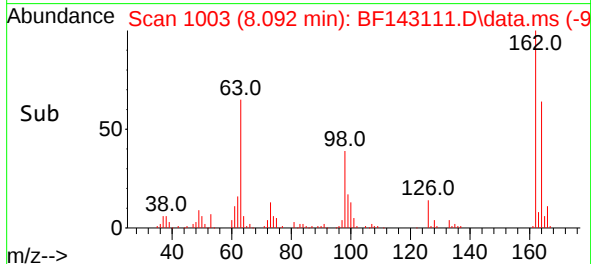
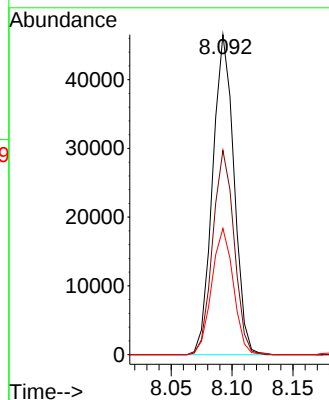
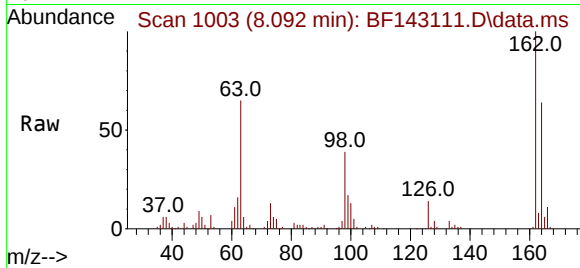
Tgt Ion:162 Resp: 56922

Ion Ratio Lower Upper

162 100

164 63.8 43.1 83.1

98 39.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 7.973 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

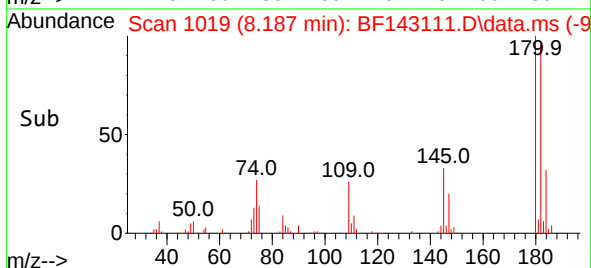
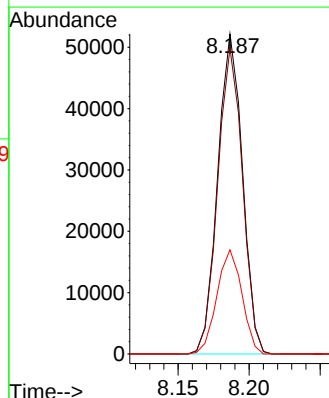
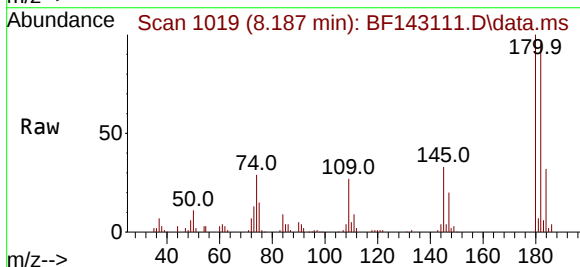
Tgt Ion:180 Resp: 63215

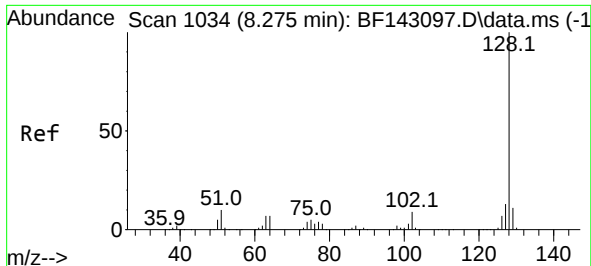
Ion Ratio Lower Upper

180 100

182 95.5 74.7 112.1

145 32.6 24.5 36.7

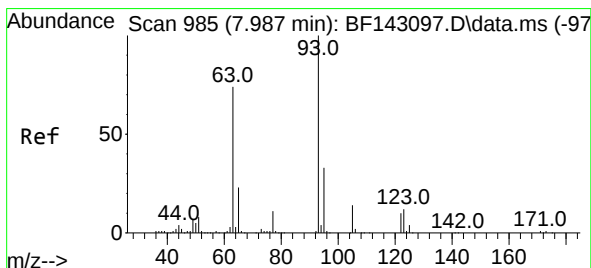
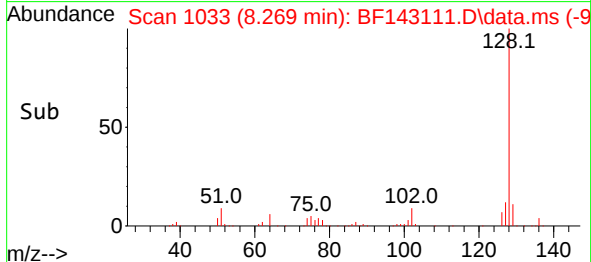
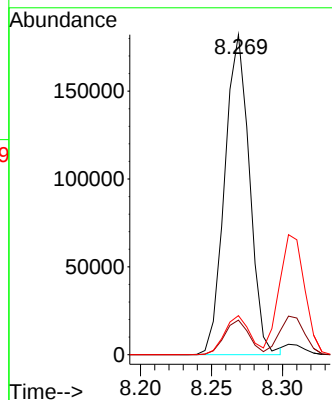
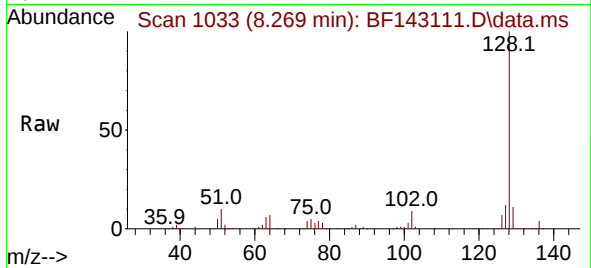




#31
Naphthalene
Concen: 8.321 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

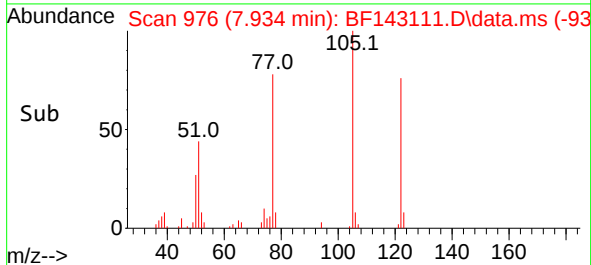
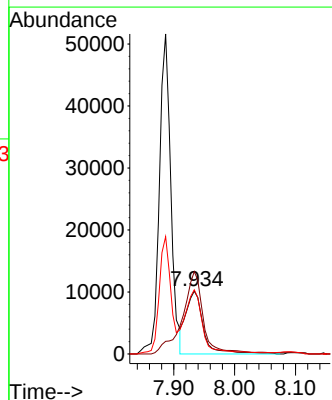
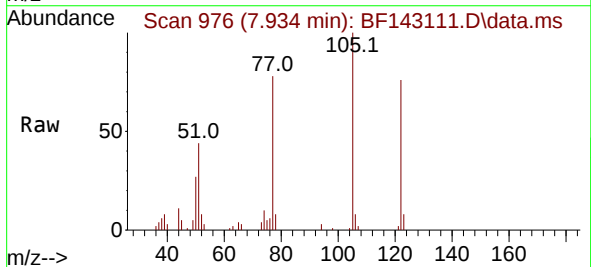
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

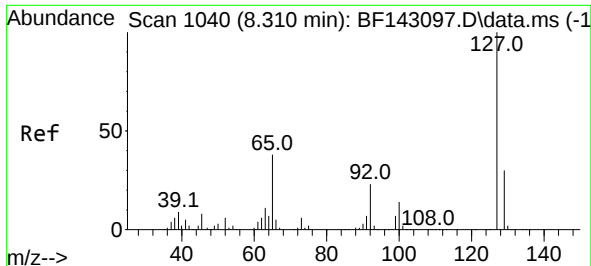
Tgt Ion:128 Resp: 220671
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.2 10.5 15.7



#32
Benzoic acid
Concen: 10.637 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.053 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:122 Resp: 20270
Ion Ratio Lower Upper
122 100
105 131.1 105.4 145.4
77 102.1 78.6 118.6

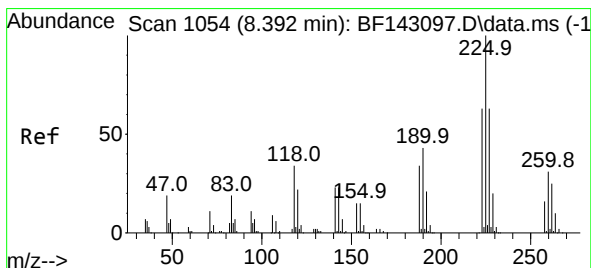
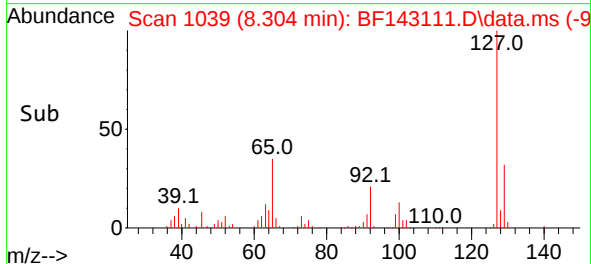
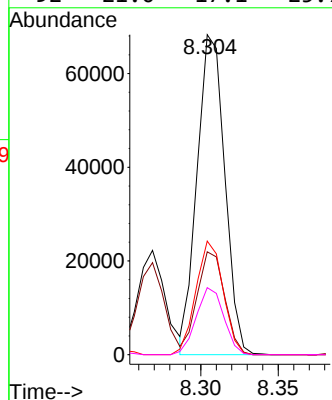
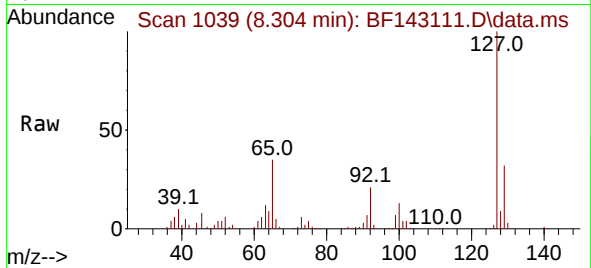




#33
4-Chloroaniline
Concen: 7.961 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

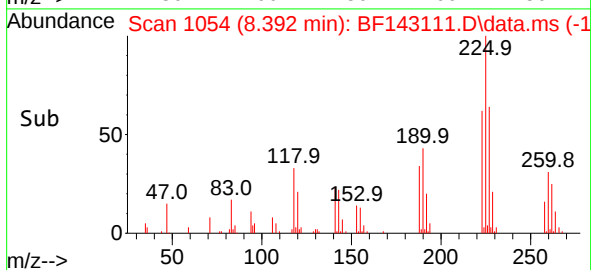
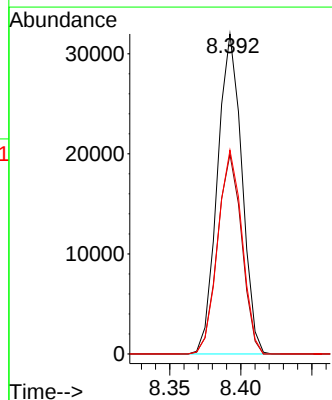
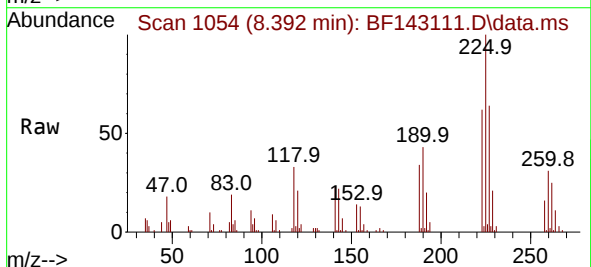
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

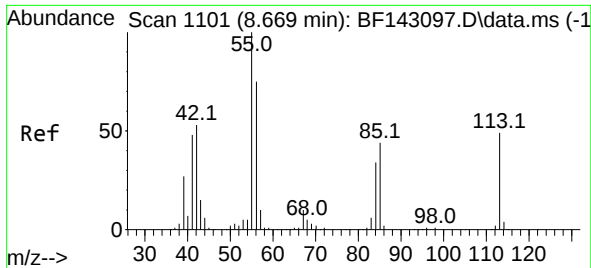
Tgt Ion:127	Resp:	84898
Ion Ratio	Lower	Upper
127	100	
129	32.1	26.2 39.4
65	35.5	28.6 42.8
92	21.0	17.1 25.7



#34
Hexachlorobutadiene
Concen: 8.050 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:225	Resp:	38172
Ion Ratio	Lower	Upper
225	100	
223	62.4	50.3 75.5
227	63.7	50.1 75.1

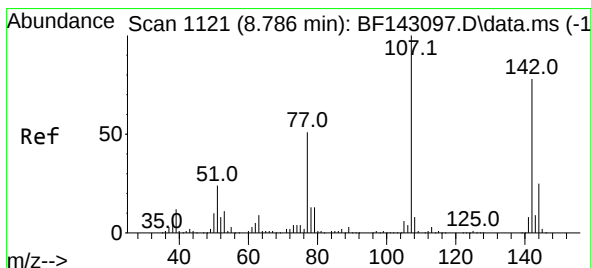
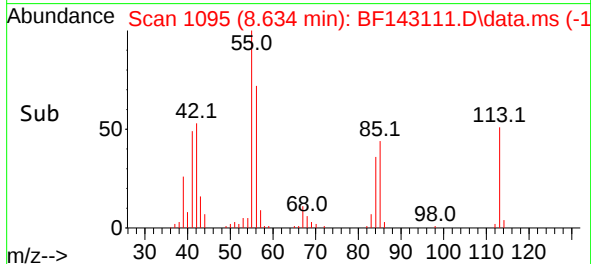
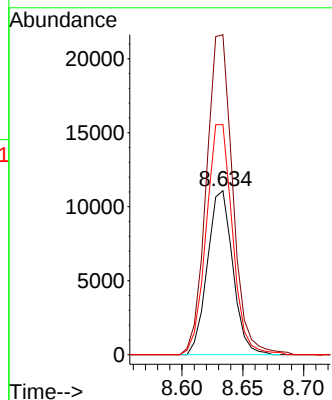
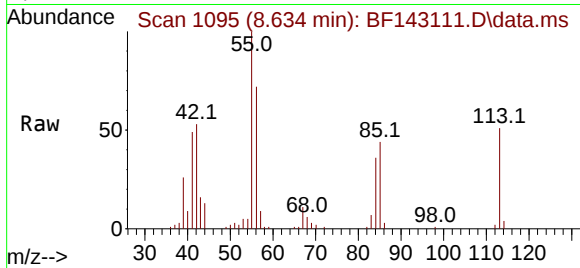




#35
 Caprolactam
 Concen: 7.361 ng
 RT: 8.634 min Scan# 1101
 Delta R.T. -0.035 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

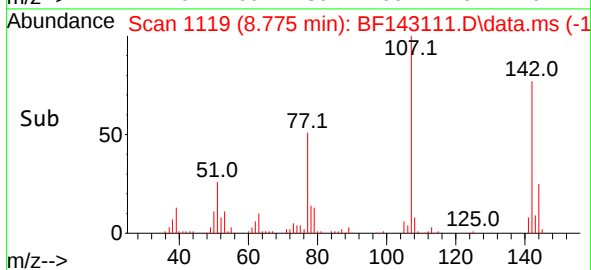
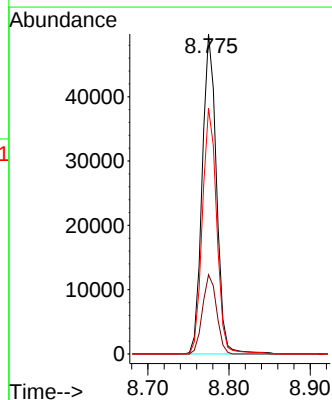
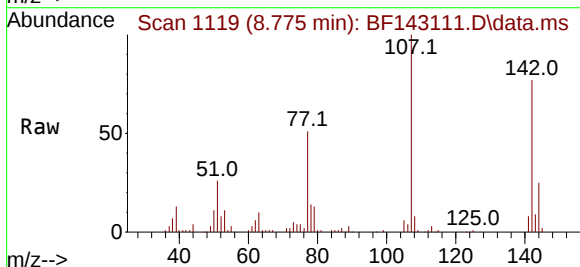
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

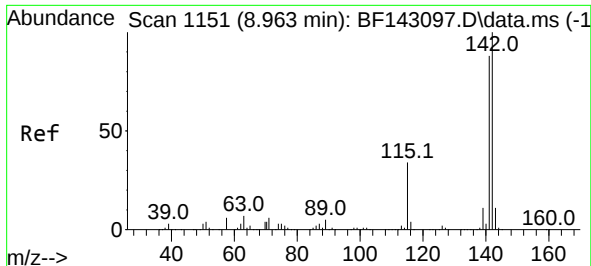
Tgt Ion:113 Resp: 16059
 Ion Ratio Lower Upper
 113 100
 55 195.1 186.2 226.2
 56 140.3 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 7.801 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.012 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

Tgt Ion:107 Resp: 60711
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.2 30.2
 142 76.8 62.4 93.6

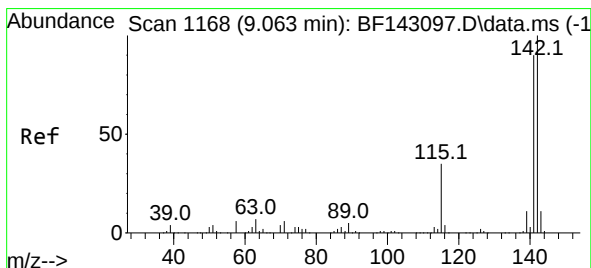
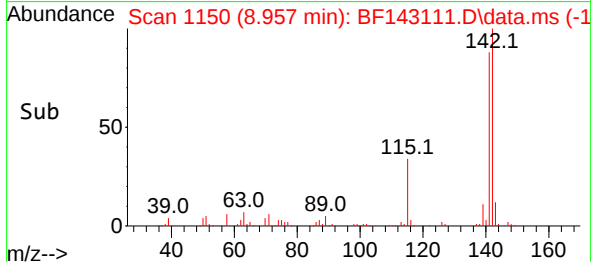
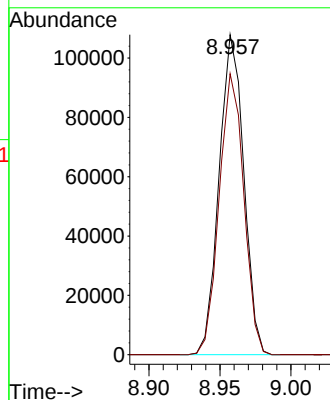
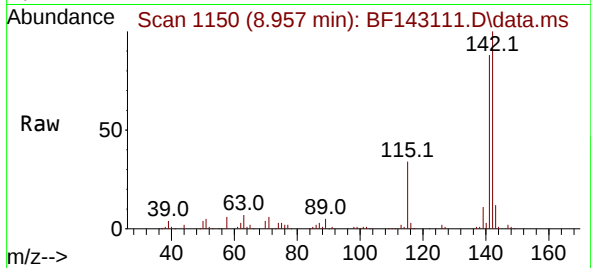




#37
2-Methylnaphthalene
Concen: 8.234 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

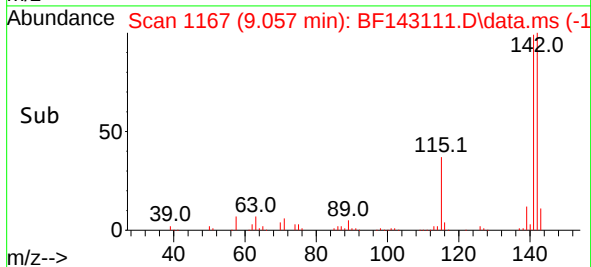
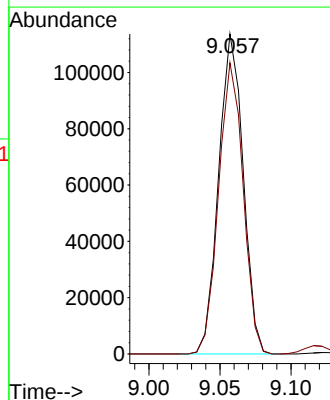
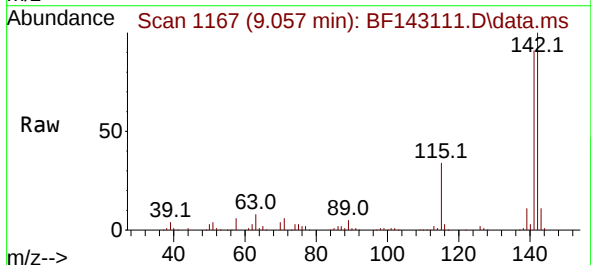
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

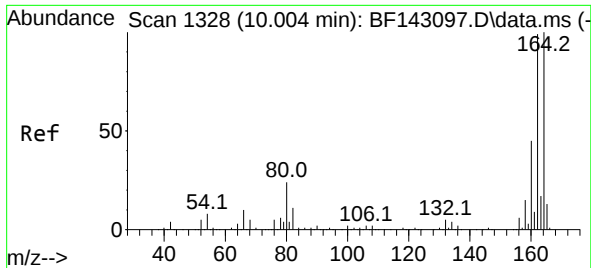
Tgt Ion:142 Resp: 130261
Ion Ratio Lower Upper
142 100
141 87.8 70.2 105.2



#38
1-Methylnaphthalene
Concen: 8.315 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:142 Resp: 136436
Ion Ratio Lower Upper
142 100
141 91.0 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

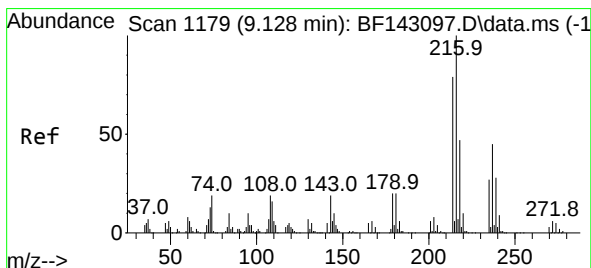
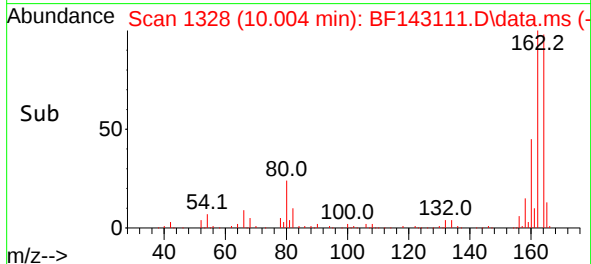
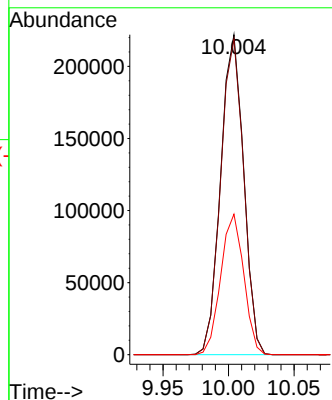
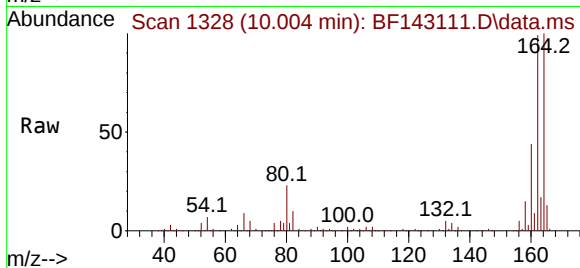
Tgt Ion:164 Resp: 270953

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 43.9 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.166 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Tgt Ion:216 Resp: 64480

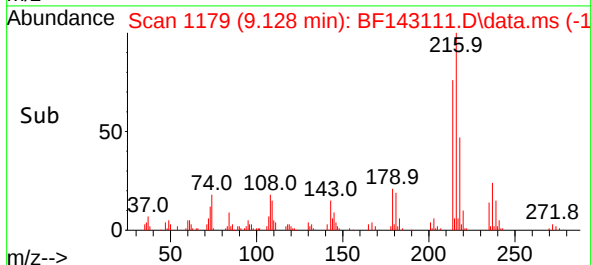
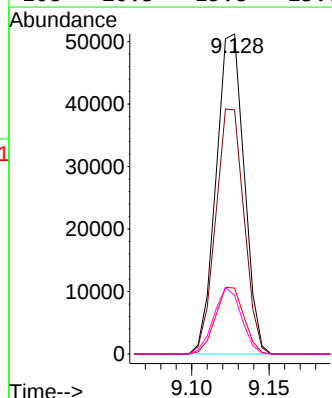
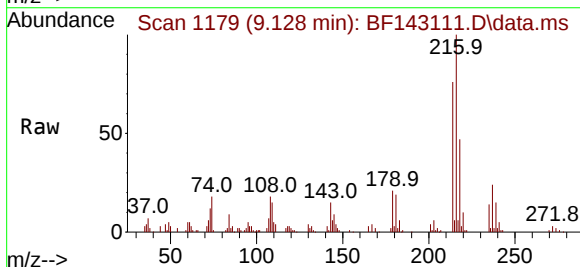
Ion Ratio Lower Upper

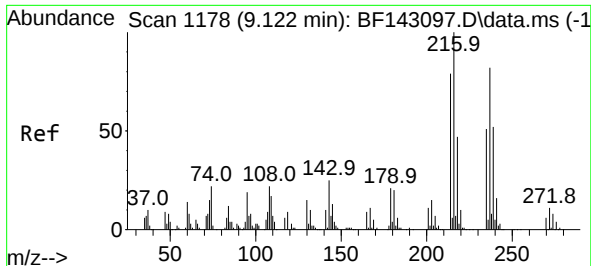
216 100

214 77.1 62.6 94.0

179 21.0 16.2 24.2

108 20.3 15.8 23.6

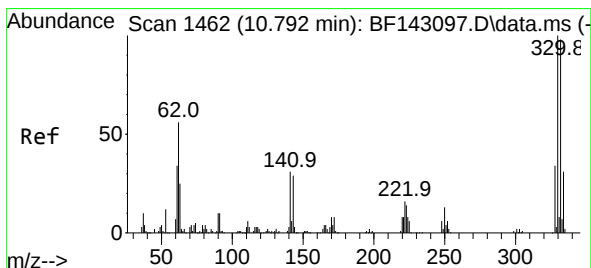
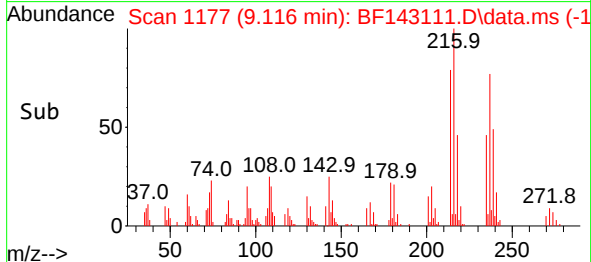
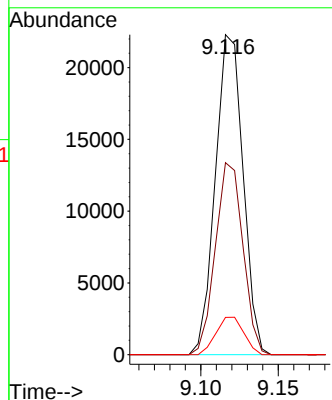
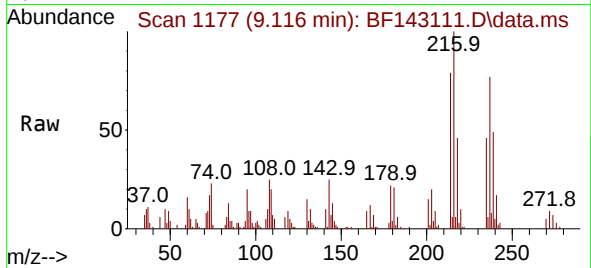




#41
Hexachlorocyclopentadiene
Concen: 6.350 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

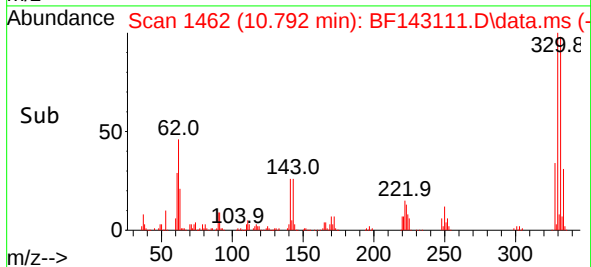
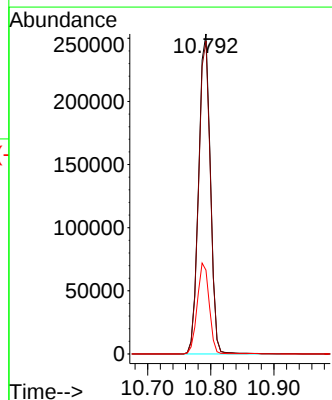
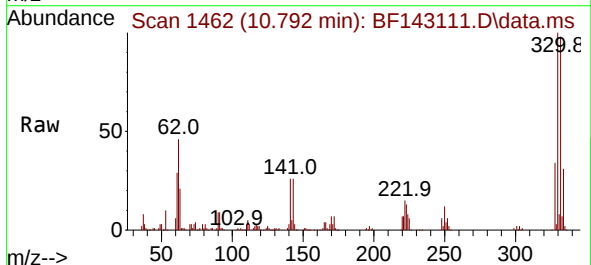
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

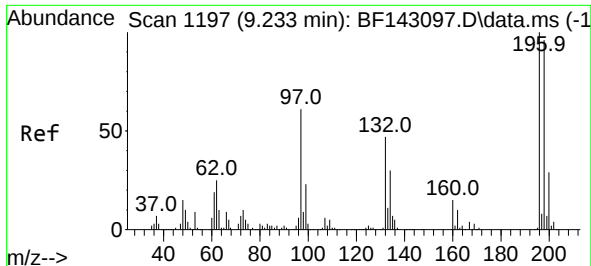
Tgt Ion:237	Resp: 27799
Ion Ratio	Lower Upper
237 100	
235 60.0	41.6 81.6
272 11.7	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 135.127 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt	Ion:330	Resp:	326460
Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.9	116.9
141	28.8	25.9	38.9





#43

2,4,6-Trichlorophenol

Concen: 7.702 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

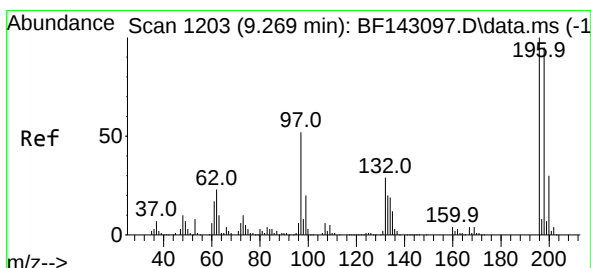
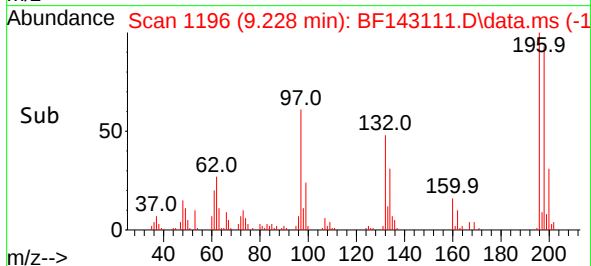
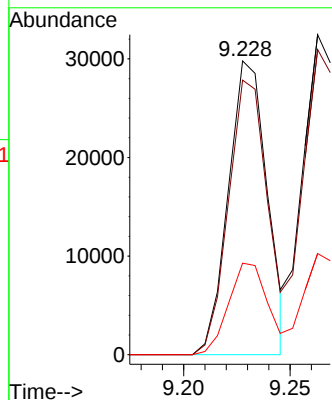
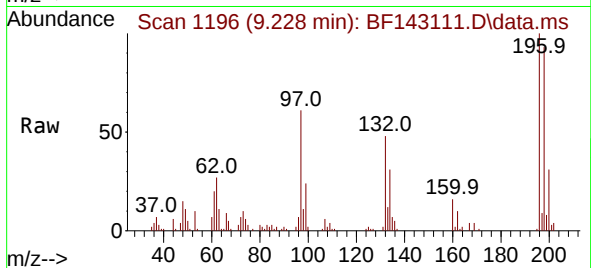
Tgt Ion:196 Resp: 37789

Ion Ratio Lower Upper

196 100

198 93.4 76.9 115.3

200 31.2 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 8.028 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Tgt Ion:196 Resp: 41302

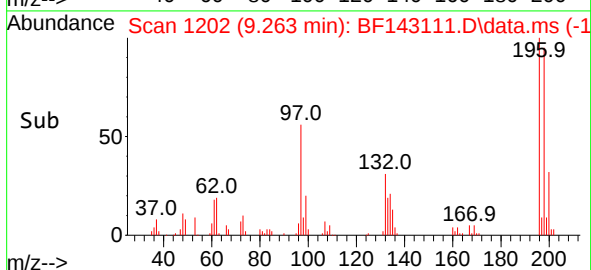
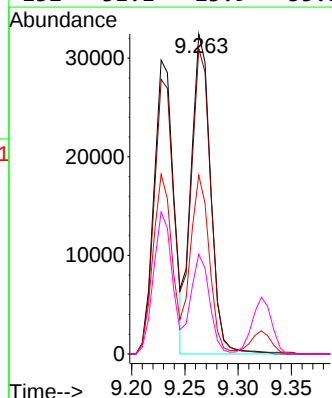
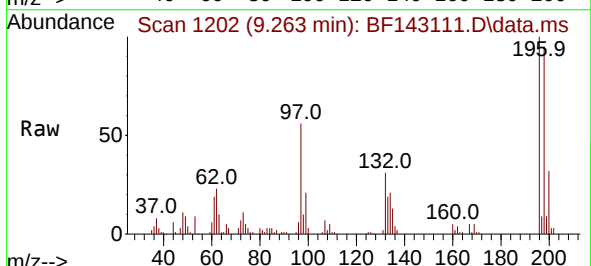
Ion Ratio Lower Upper

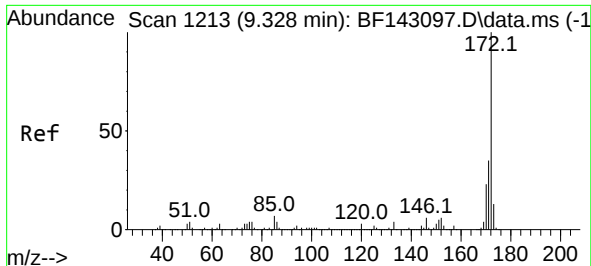
196 100

198 95.4 76.4 114.6

97 55.9 42.4 63.6

132 31.1 23.9 35.9

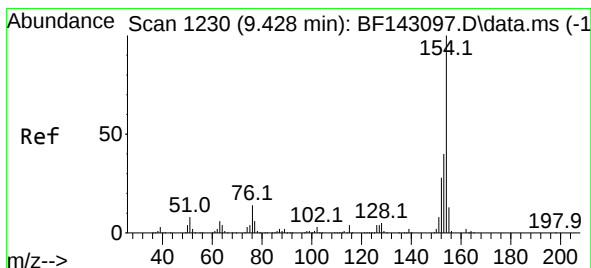
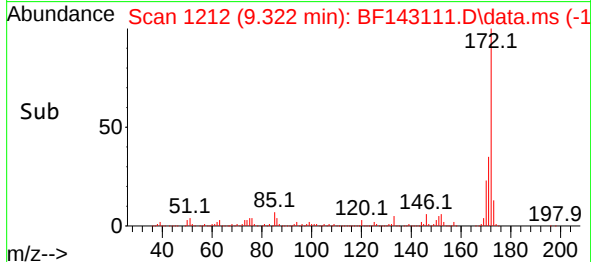
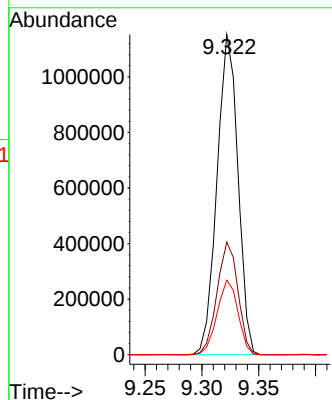
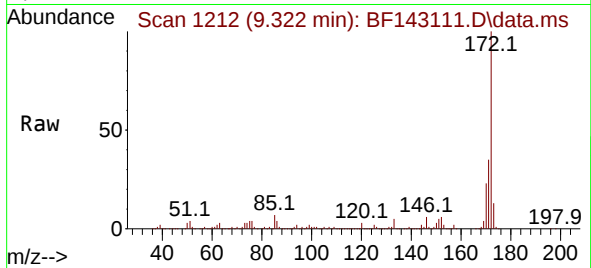




#45
2-Fluorobiphenyl
Concen: 72.447 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

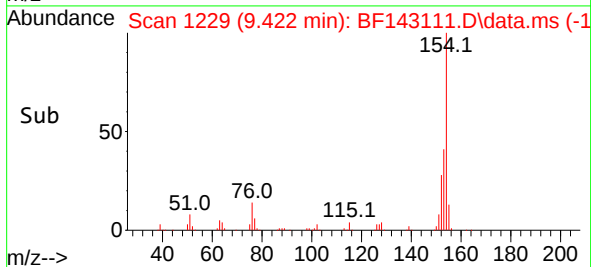
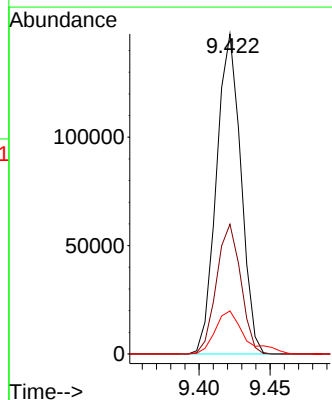
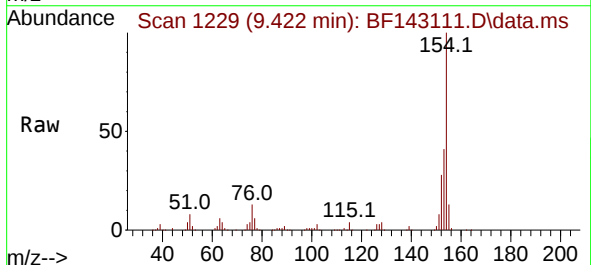
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

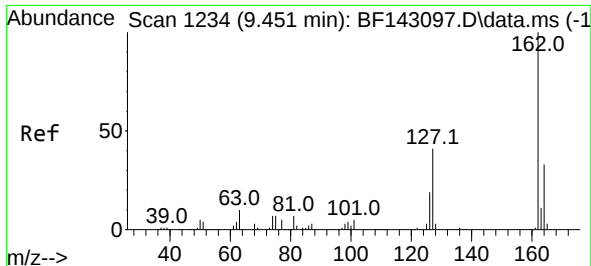
Tgt Ion:172 Resp: 1476712
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 8.164 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:154 Resp: 176410
Ion Ratio Lower Upper
154 100
153 40.6 20.1 60.1
76 13.5 0.0 33.7

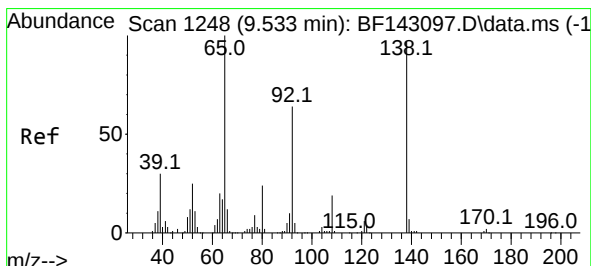
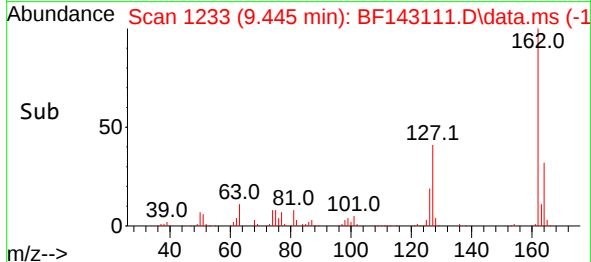
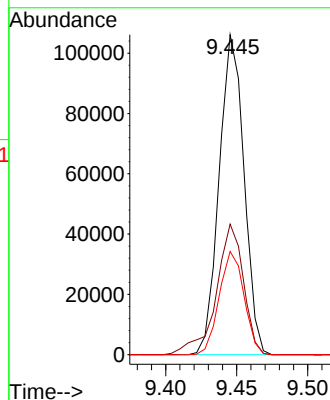
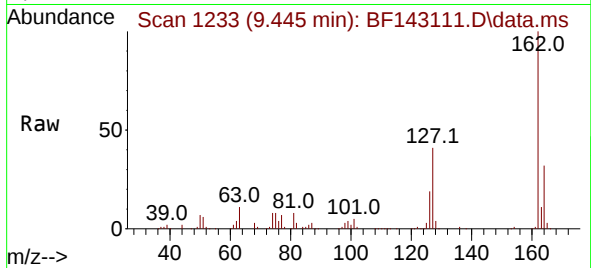




#47
2-Chloronaphthalene
Concen: 8.140 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

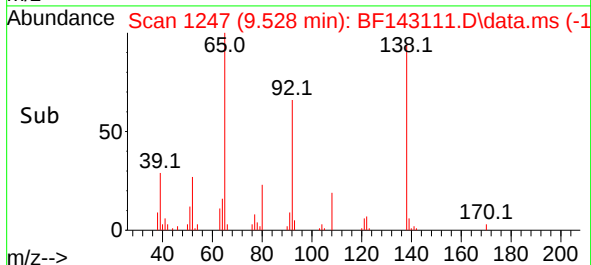
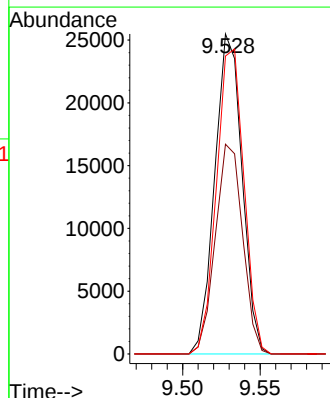
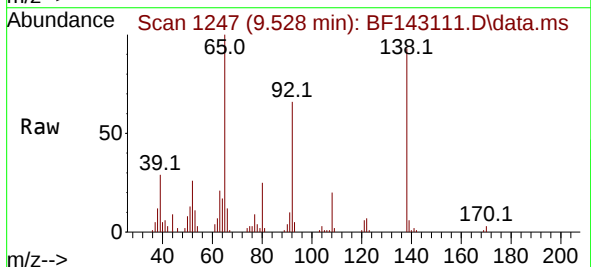
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

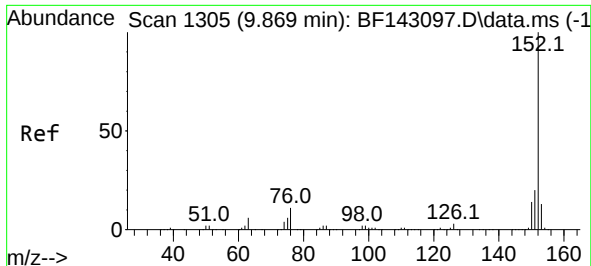
Tgt Ion:162 Resp: 129212
Ion Ratio Lower Upper
162 100
127 40.8 33.0 49.6
164 32.3 26.1 39.1



#48
2-Nitroaniline
Concen: 9.319 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.005 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion: 65 Resp: 31180
Ion Ratio Lower Upper
65 100
92 65.6 51.3 76.9
138 93.1 77.8 116.6

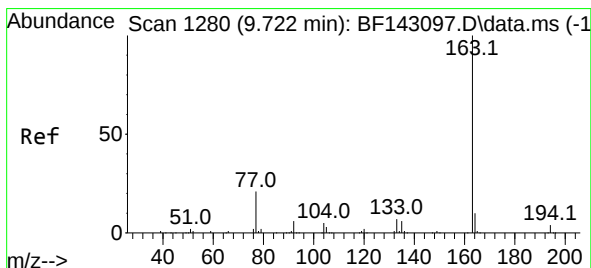
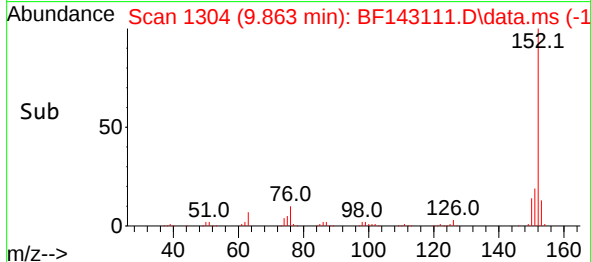
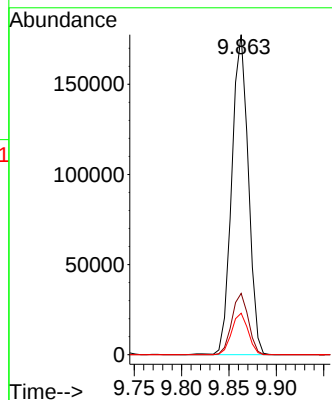
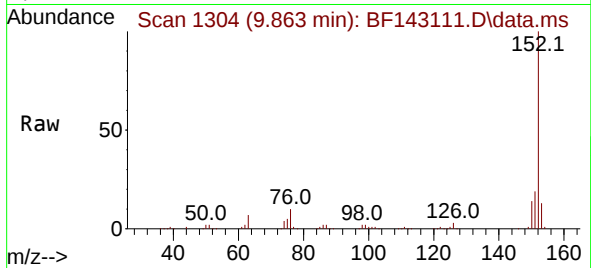




#49
Acenaphthylene
Concen: 8.159 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

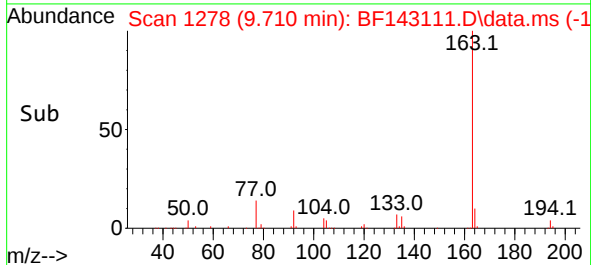
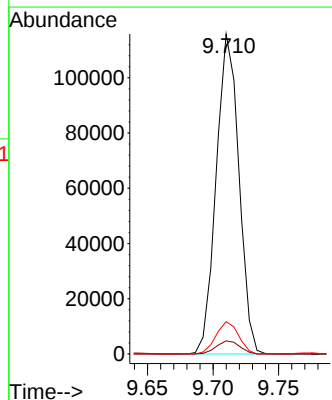
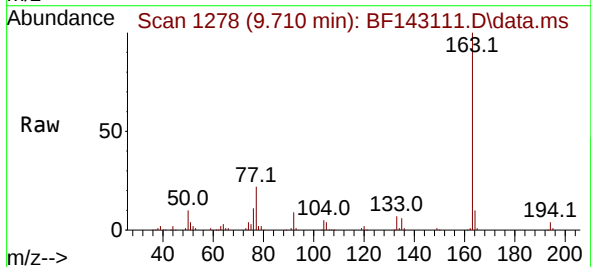
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

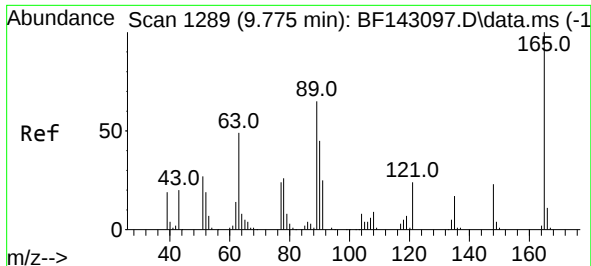
Tgt Ion:152 Resp: 215809
Ion Ratio Lower Upper
152 100
151 19.1 15.8 23.8
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 8.169 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:163 Resp: 139258
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.1 8.2 12.2

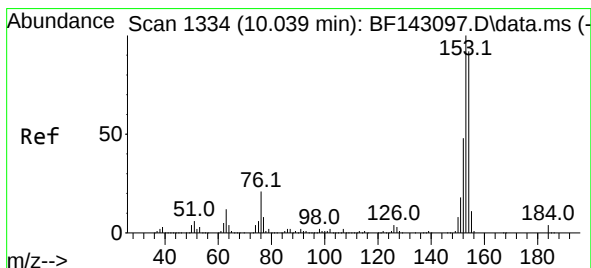
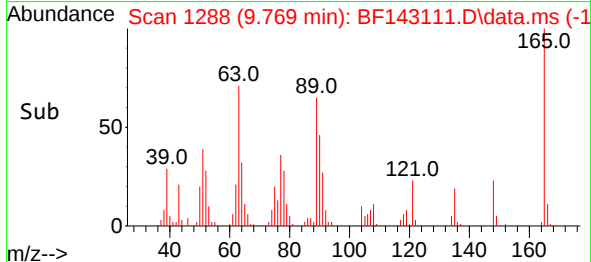
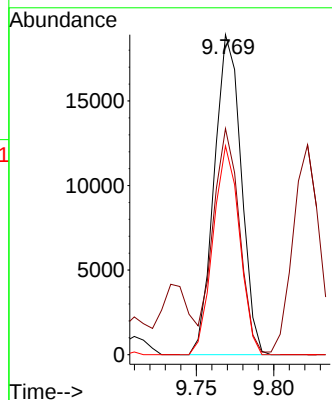
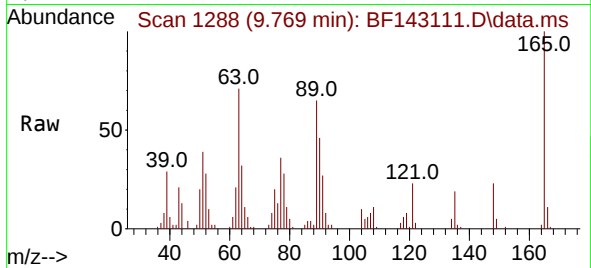




#51
2,6-Dinitrotoluene
Concen: 9.201 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

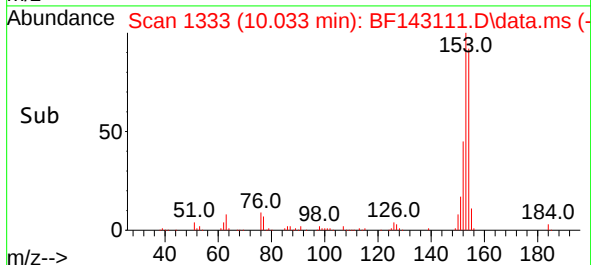
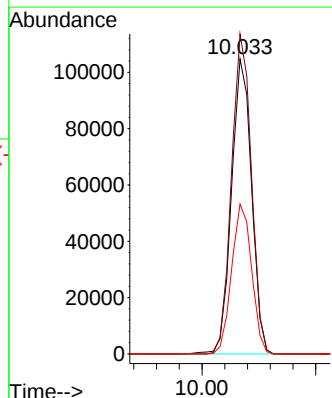
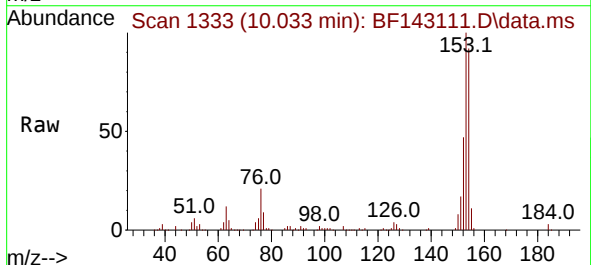
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

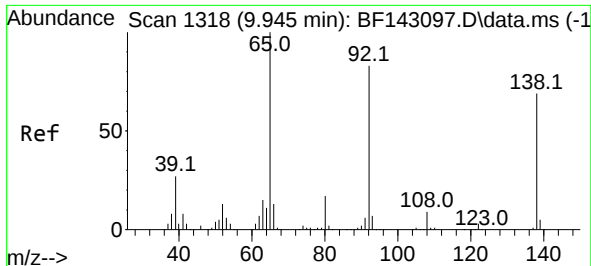
Tgt Ion:165 Resp: 22909
Ion Ratio Lower Upper
165 100
63 70.7 57.4 86.0
89 65.3 51.8 77.8



#52
Acenaphthene
Concen: 8.207 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:154 Resp: 128097
Ion Ratio Lower Upper
154 100
153 108.5 86.7 130.1
152 50.8 41.4 62.2

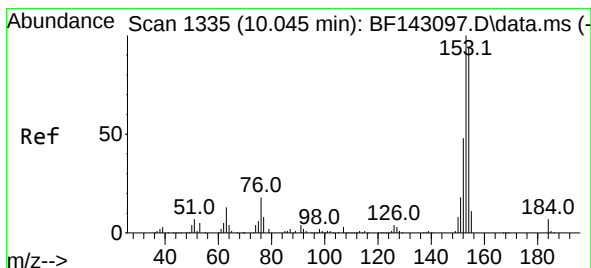
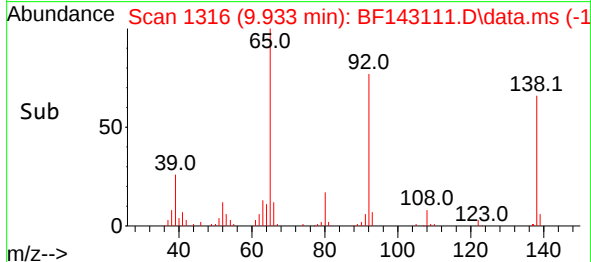
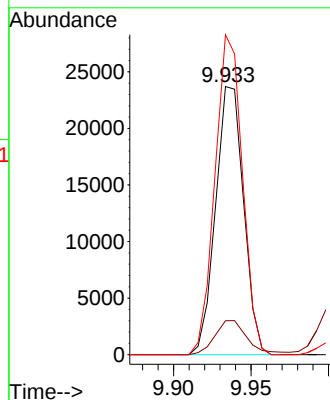
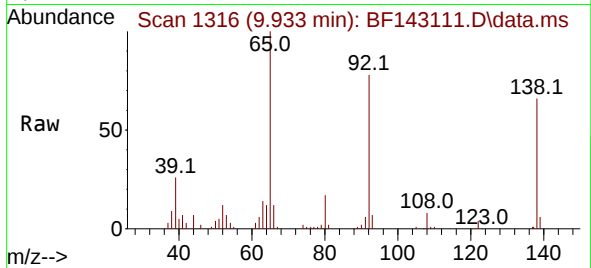




#53
3-Nitroaniline
Concen: 8.100 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

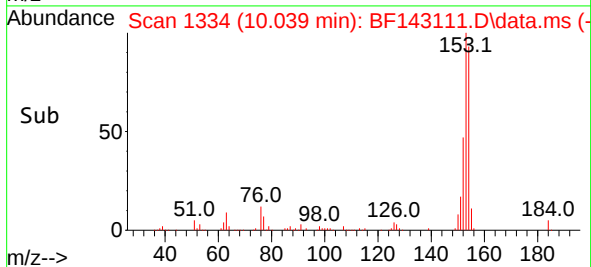
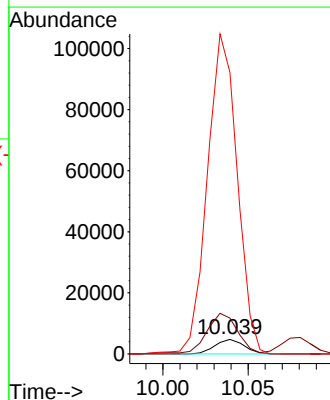
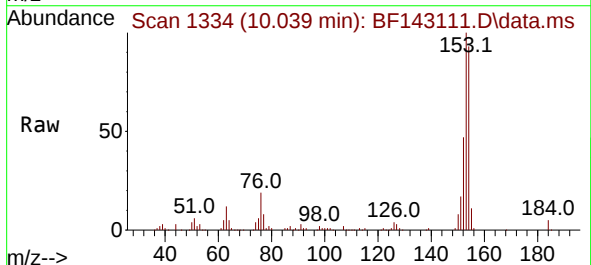
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

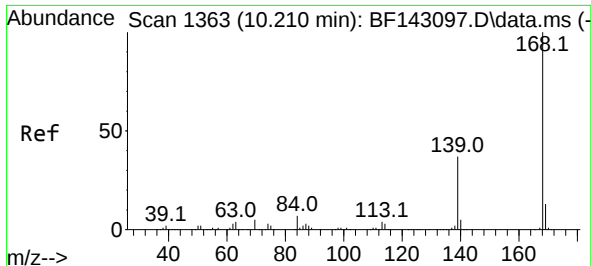
Tgt Ion:138 Resp: 29835
Ion Ratio Lower Upper
138 100
108 12.7 10.1 15.1
92 119.3 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 10.705 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:184 Resp: 5626
Ion Ratio Lower Upper
184 100
63 245.0 149.3 223.9#
154 1926.2 1048.0 1572.0#

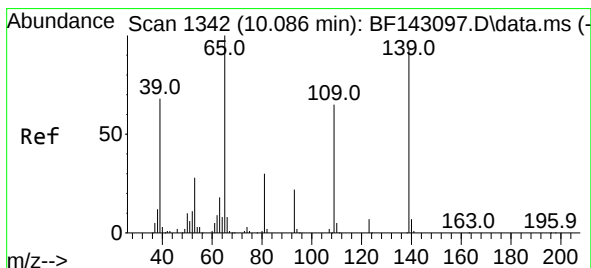
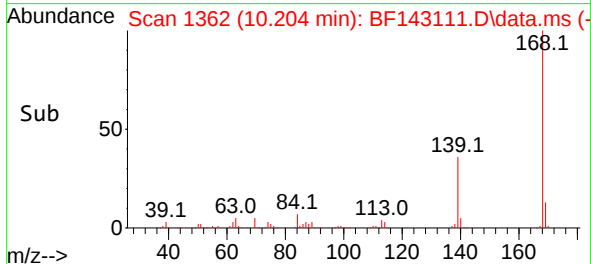
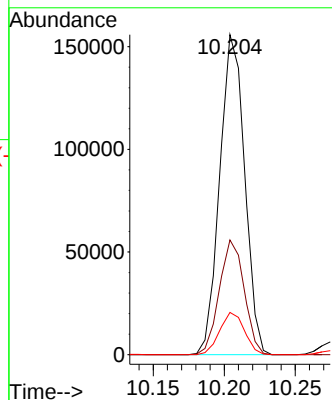
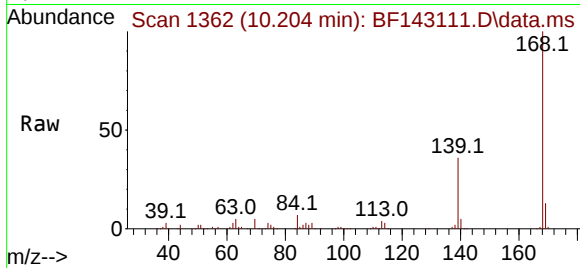




#55
Dibenzofuran
Concen: 8.172 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

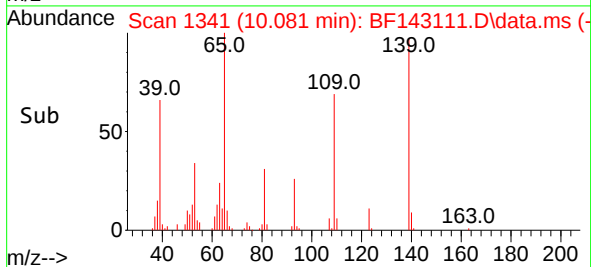
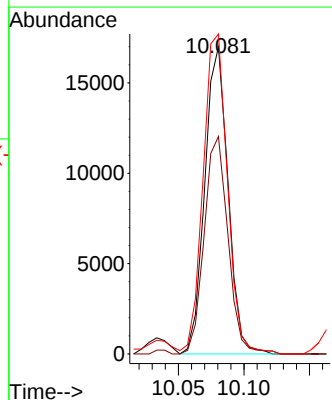
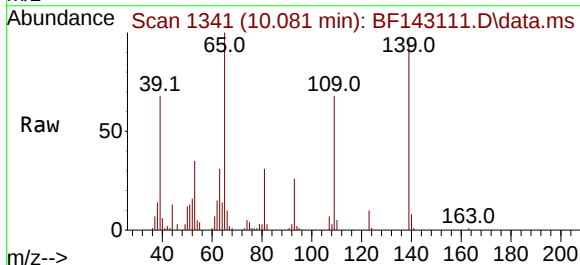
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

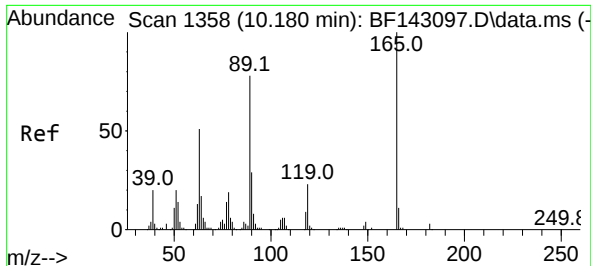
Tgt Ion:168 Resp: 190120
Ion Ratio Lower Upper
168 100
139 35.9 29.8 44.6
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 7.182 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:139 Resp: 21024
Ion Ratio Lower Upper
139 100
109 70.9 49.4 89.4
65 104.2 88.2 128.2

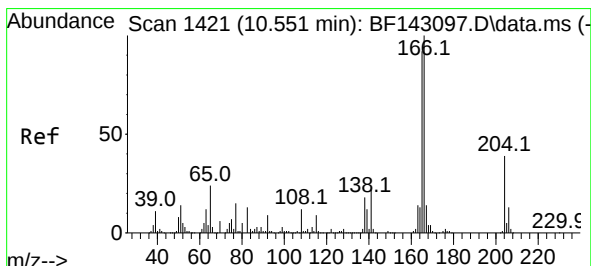
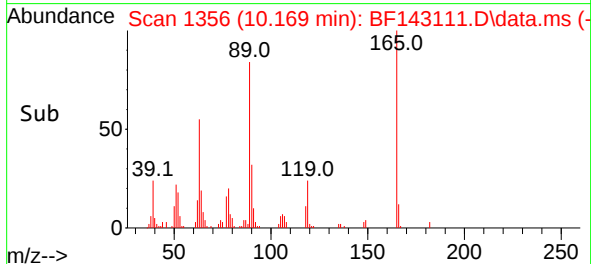
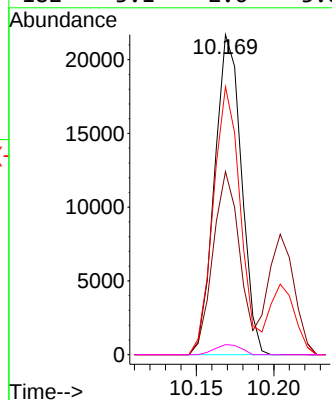
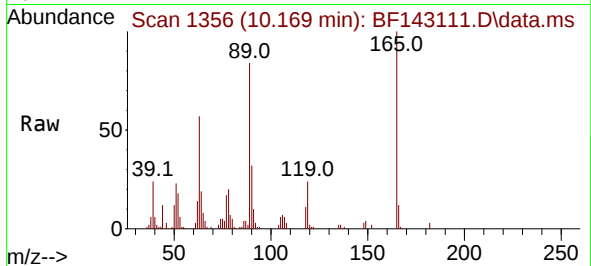




#57
2,4-Dinitrotoluene
Concen: 9.173 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.011 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

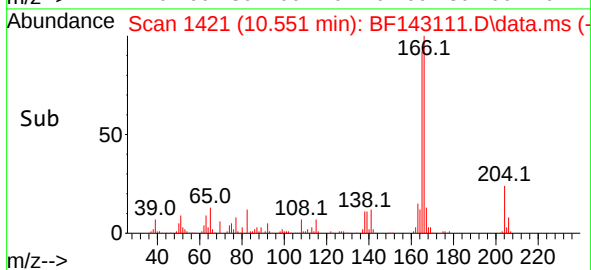
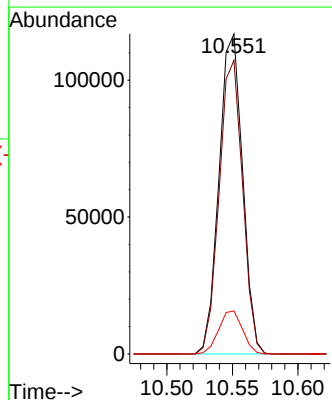
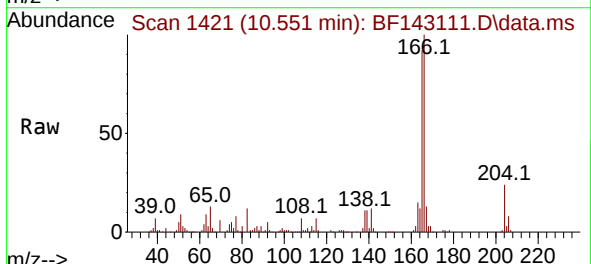
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

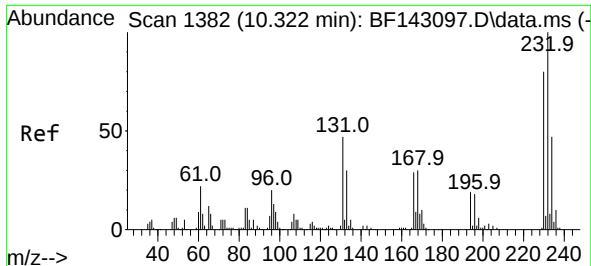
Tgt Ion:	165	Resp:	26137
Ion	Ratio	Lower	Upper
165	100		
63	57.2	40.6	61.0
89	83.8	62.3	93.5
182	3.1	2.6	3.8



#58
Fluorene
Concen: 8.354 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:	166	Resp:	145725
Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.5	10.9	16.3

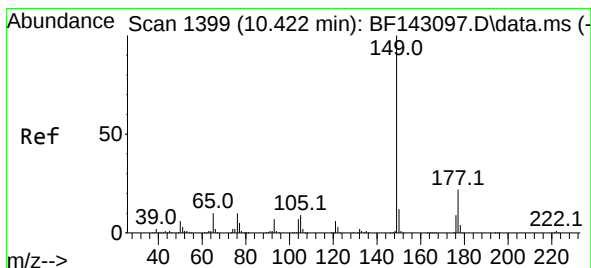
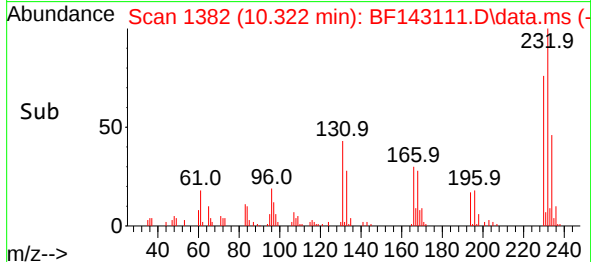
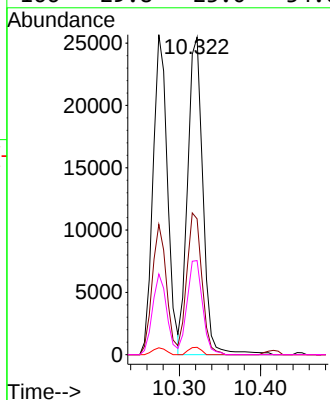
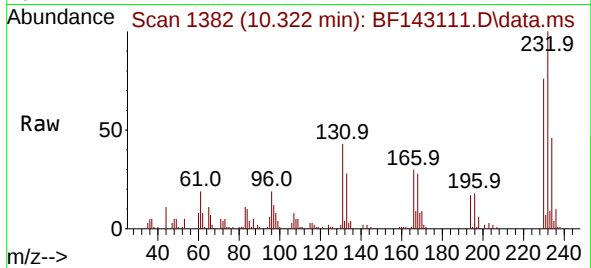




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.170 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

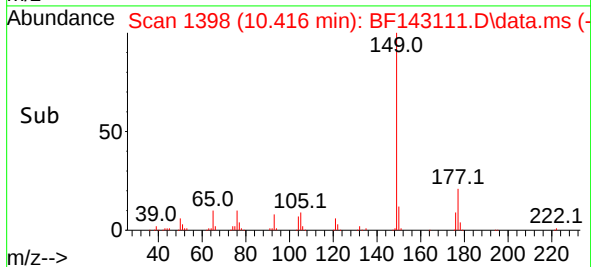
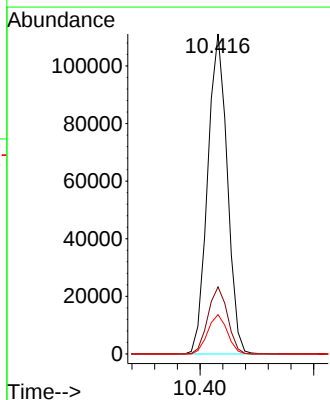
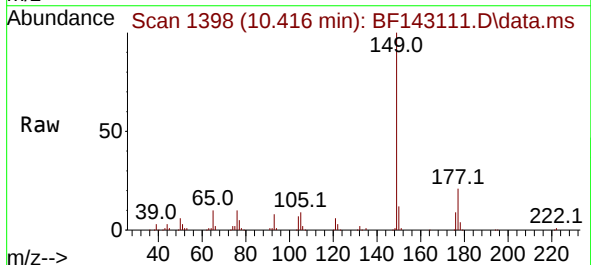
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

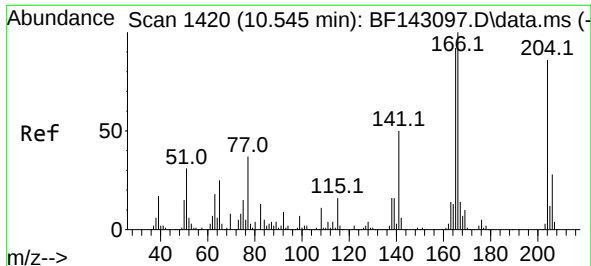
Tgt Ion:232 Resp: 33403
Ion Ratio Lower Upper
232 100
131 43.9 36.9 55.3
130 1.9 1.8 2.8
166 29.8 23.0 34.6



#60
Diethylphthalate
Concen: 8.080 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:149 Resp: 132884
Ion Ratio Lower Upper
149 100
177 20.9 17.3 25.9
150 12.3 9.9 14.9

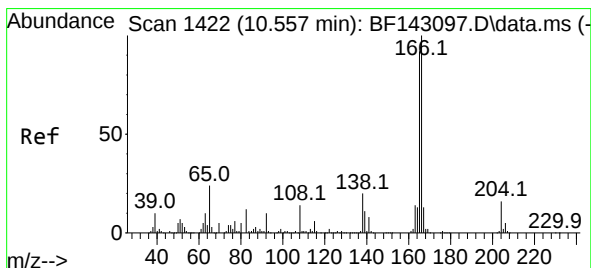
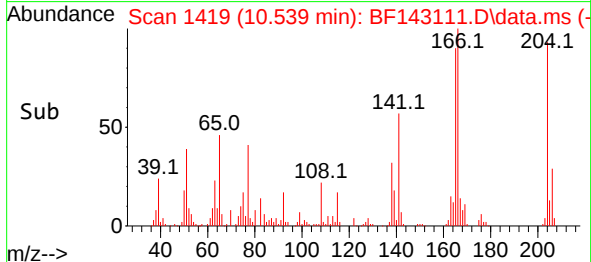
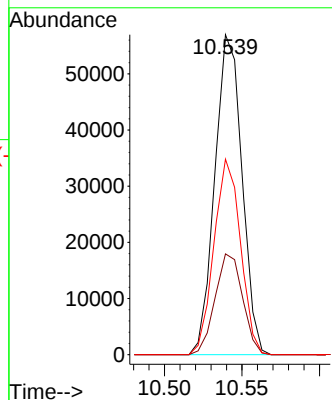
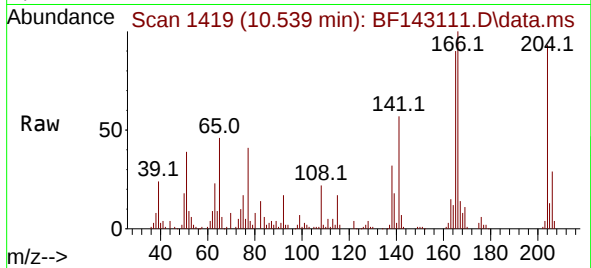




#61
4-Chlorophenyl-phenylether
Concen: 8.304 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

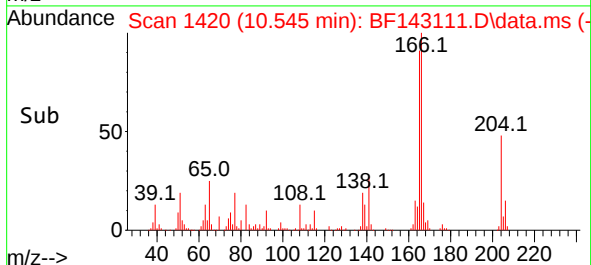
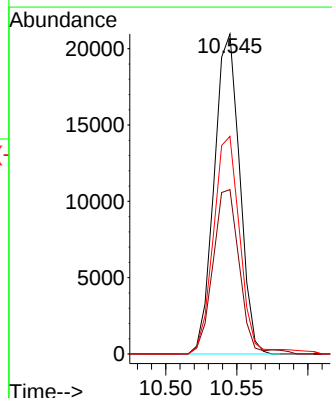
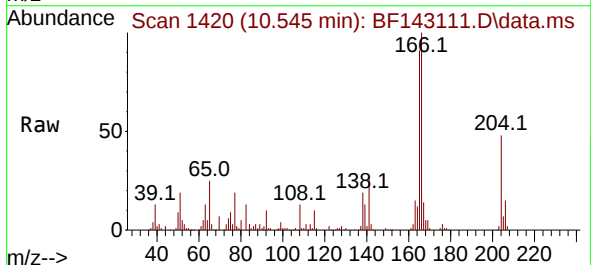
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

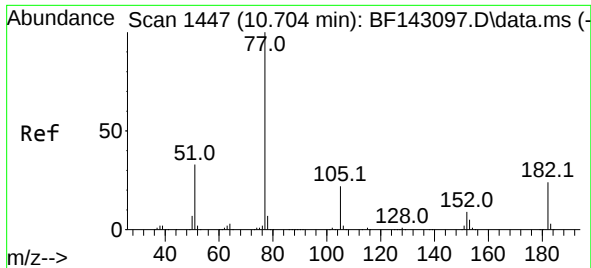
Tgt Ion:204 Resp: 69420
Ion Ratio Lower Upper
204 100
206 31.5 25.8 38.6
141 61.1 46.8 70.2



#62
4-Nitroaniline
Concen: 8.139 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:138 Resp: 26071
Ion Ratio Lower Upper
138 100
92 51.3 30.4 70.4
108 68.0 49.5 89.5

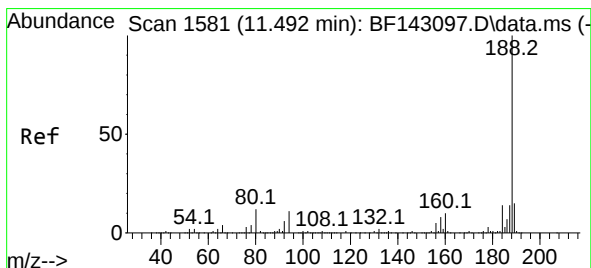
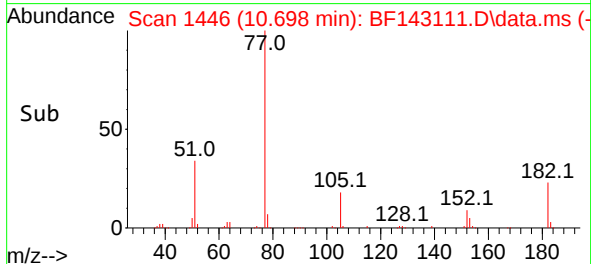
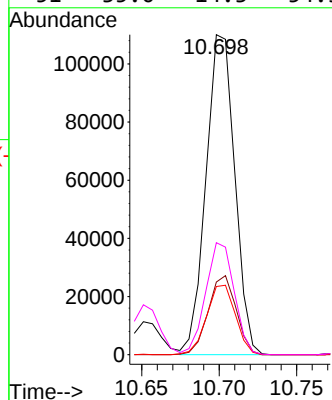
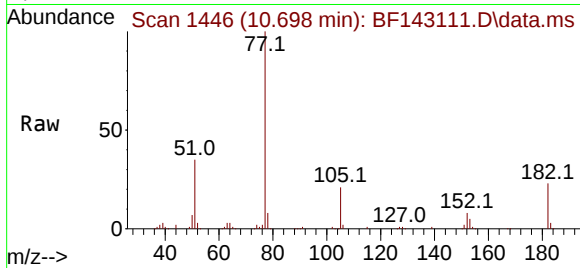




#63
 Azobenzene
 Concen: 7.832 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. -0.006 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

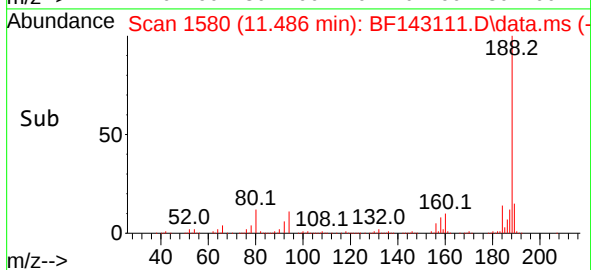
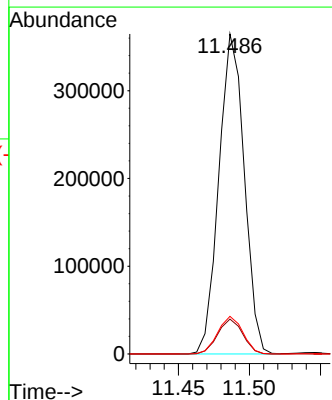
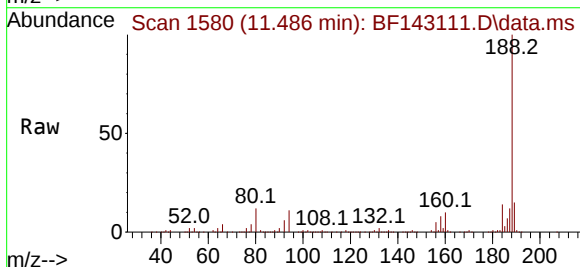
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

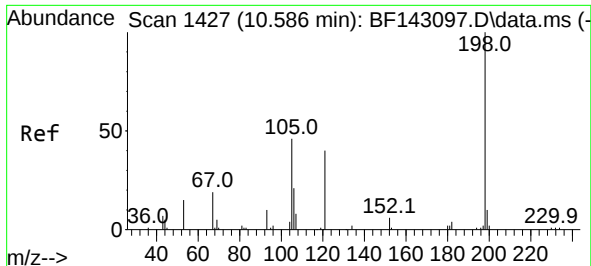
Tgt Ion: 77	Resp: 142444
Ion Ratio	Lower Upper
77 100	
182 22.7	4.0 44.0
105 21.3	1.4 41.4
51 35.0	14.3 54.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.486 min Scan# 1580
 Delta R.T. -0.006 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

Tgt Ion:188	Resp: 452654
Ion Ratio	Lower Upper
188 100	
94 10.9	8.6 13.0
80 11.8	9.3 13.9

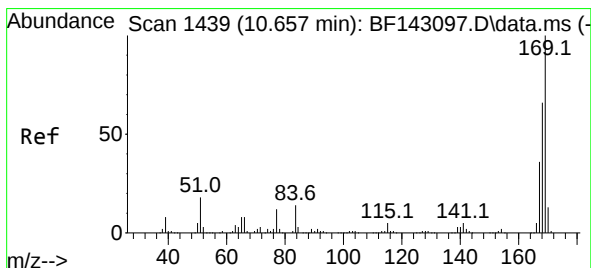
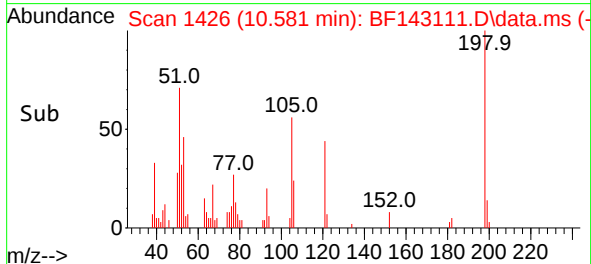
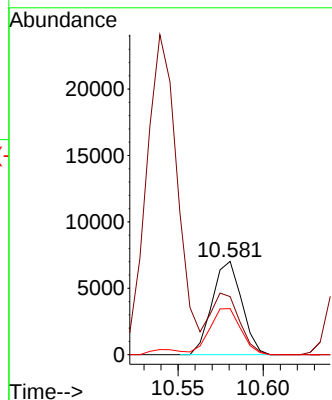
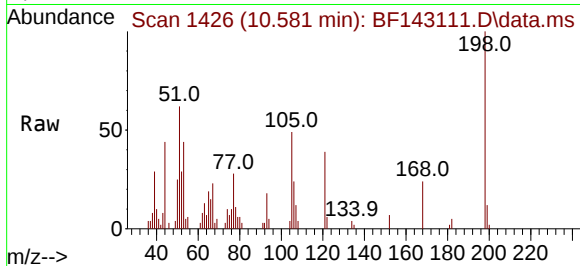




#65
4,6-Dinitro-2-methylphenol
Concen: 10.677 ng
RT: 10.581 min Scan# 1427
Delta R.T. -0.005 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

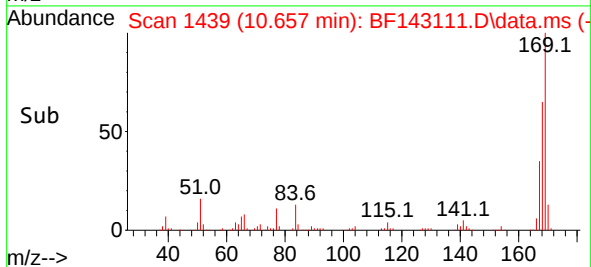
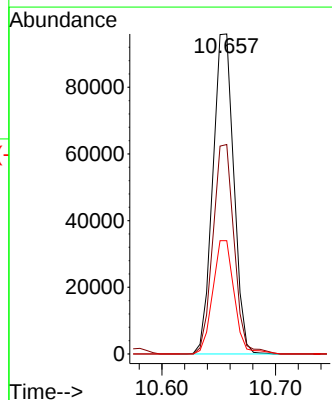
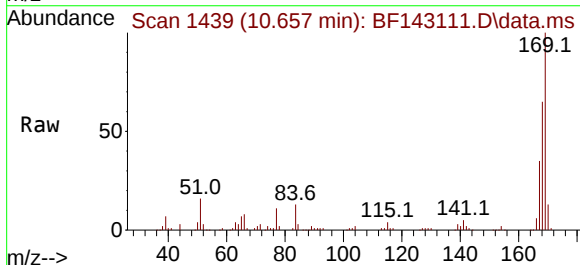
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

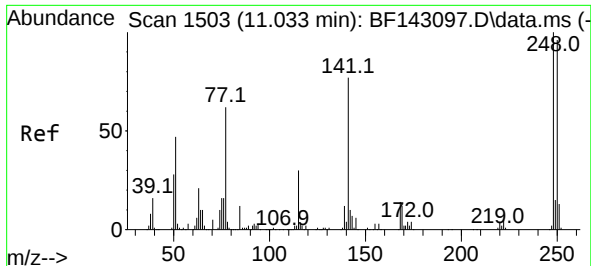
Tgt Ion:198 Resp: 8489
Ion Ratio Lower Upper
198 100
51 62.2 44.6 84.6
105 49.4 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 7.740 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:169 Resp: 123068
Ion Ratio Lower Upper
169 100
168 65.4 53.0 79.6
167 35.4 28.4 42.6

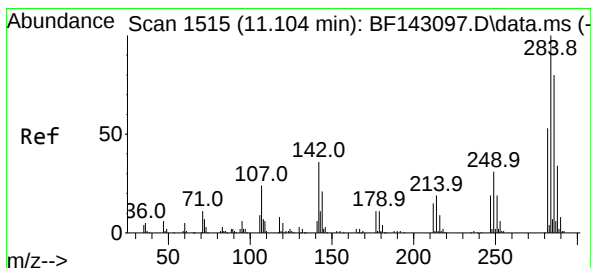
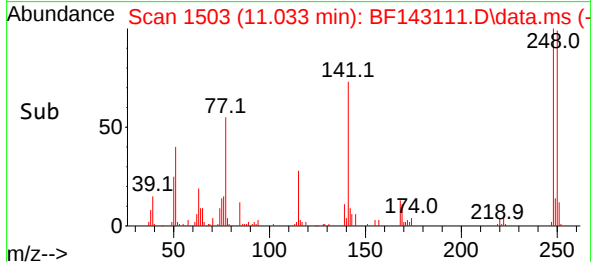
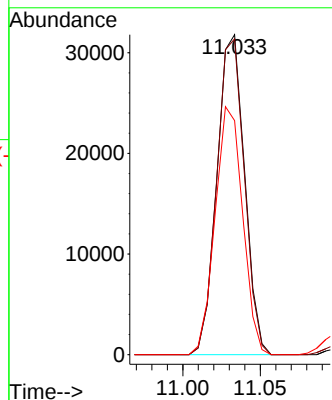
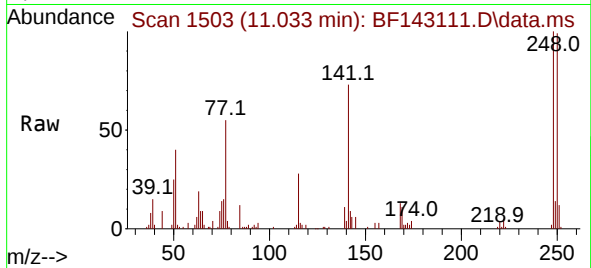




#67
4-Bromophenyl-phenylether
Concen: 7.657 ng
RT: 11.033 min Scan# 11033
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

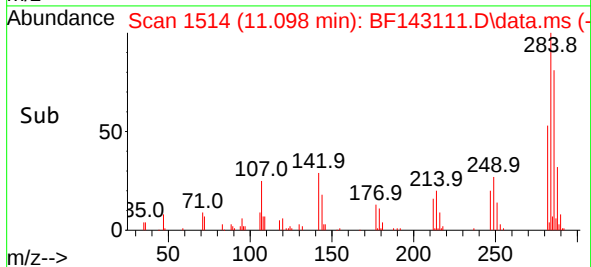
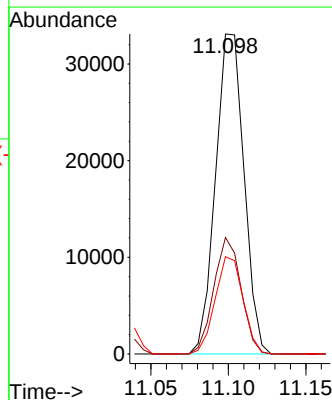
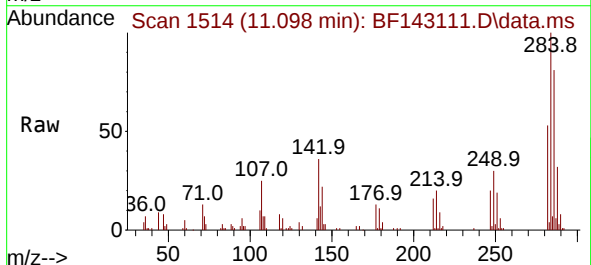
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

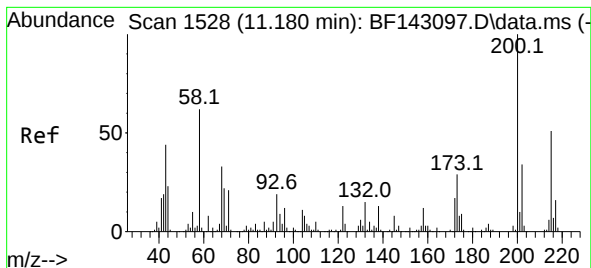
Tgt Ion:248 Resp: 39418
Ion Ratio Lower Upper
248 100
250 98.7 76.7 115.1
141 73.2 61.7 92.5



#68
Hexachlorobenzene
Concen: 7.745 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:284 Resp: 42300
Ion Ratio Lower Upper
284 100
142 36.4 28.9 43.3
249 30.4 24.6 37.0





#69

Atrazine

Concen: 7.778 ng

RT: 11.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

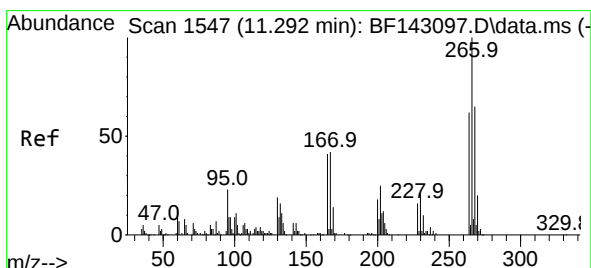
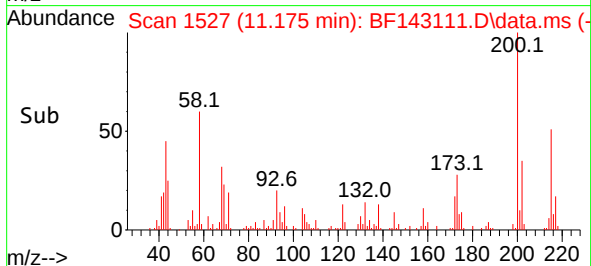
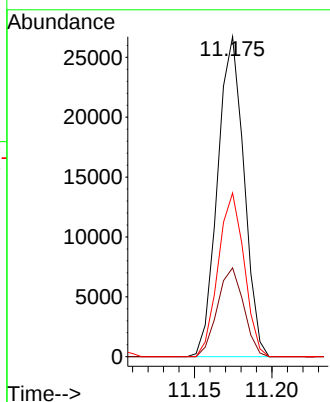
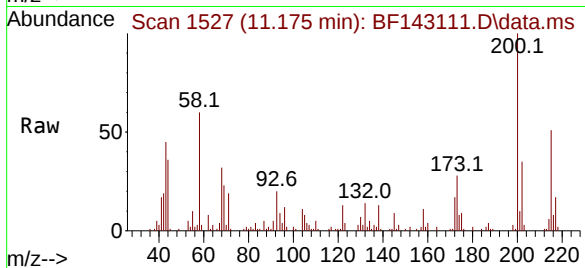
Tgt Ion:200 Resp: 31641

Ion Ratio Lower Upper

200 100

173 27.7 9.1 49.1

215 51.1 31.0 71.0



#70

Pentachlorophenol

Concen: 6.621 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

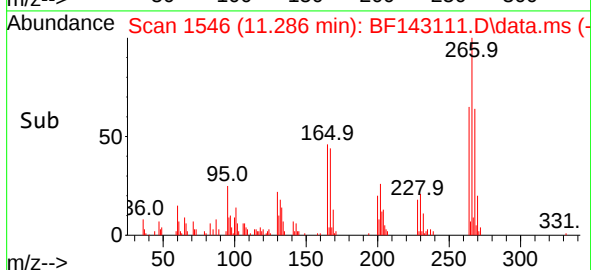
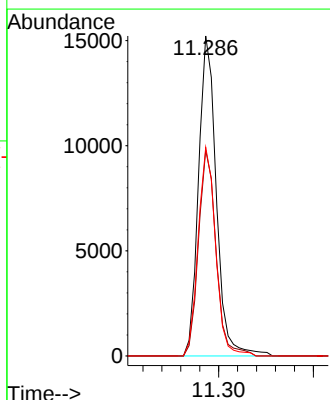
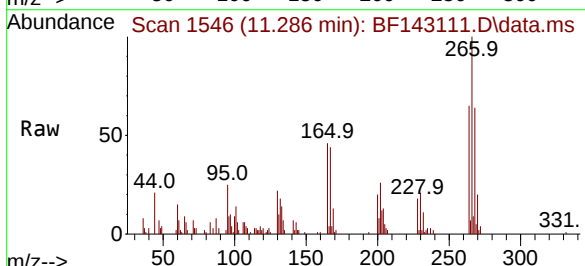
Tgt Ion:266 Resp: 19839

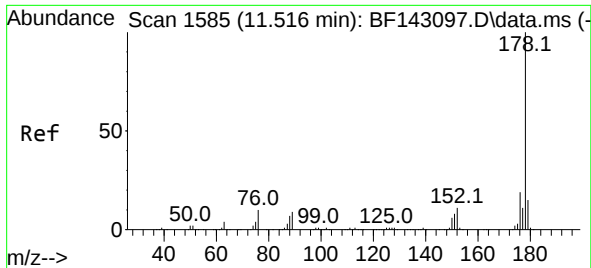
Ion Ratio Lower Upper

266 100

268 64.3 51.8 77.6

264 65.2 49.7 74.5

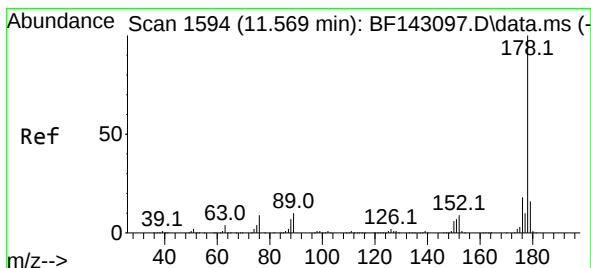
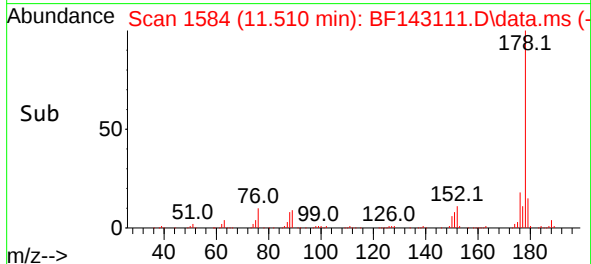
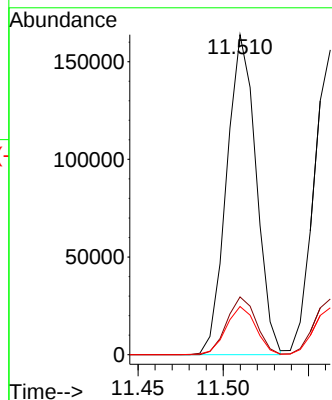
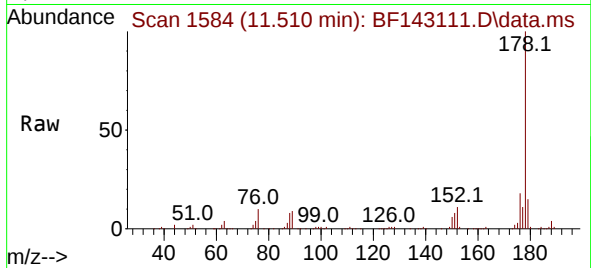




#71
Phenanthrene
Concen: 8.069 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

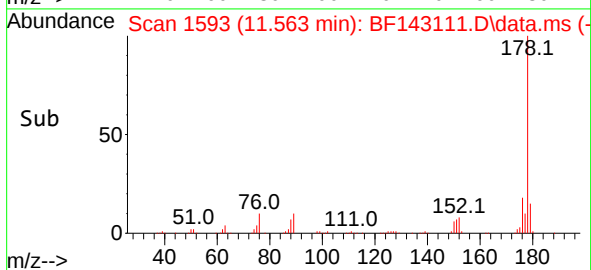
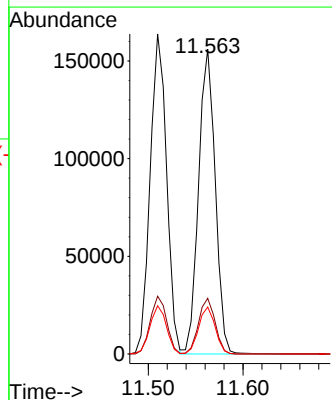
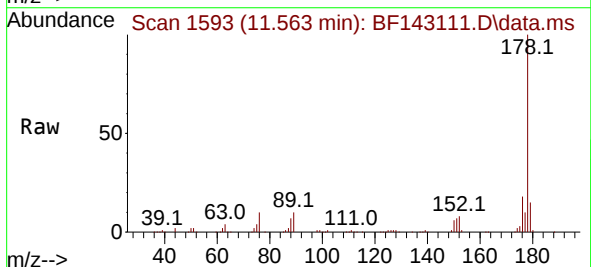
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

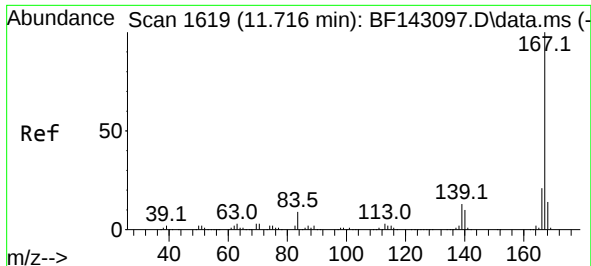
Tgt Ion:178 Resp: 197118
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 15.1 12.2 18.4



#72
Anthracene
Concen: 7.772 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:178 Resp: 190938
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 12.4 18.6

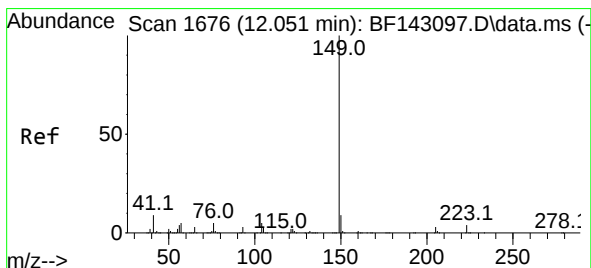
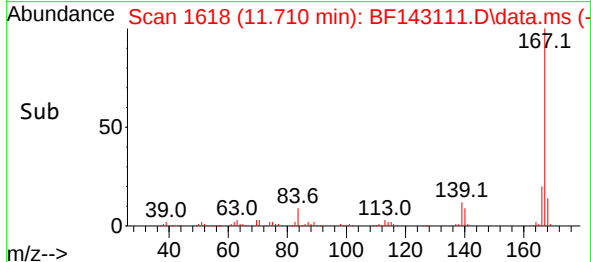
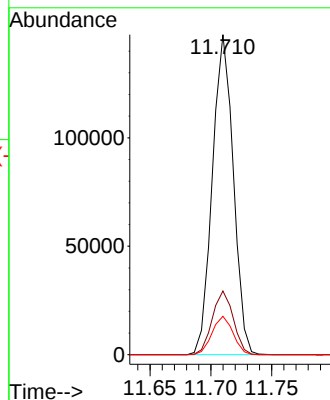
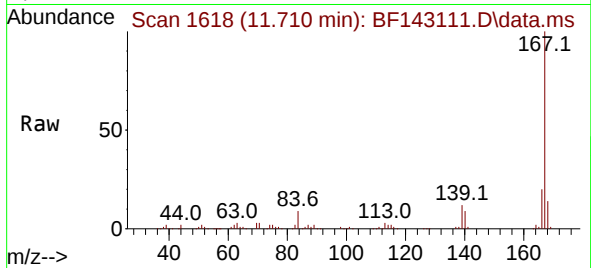




#73
 Carbazole
 Concen: 8.042 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

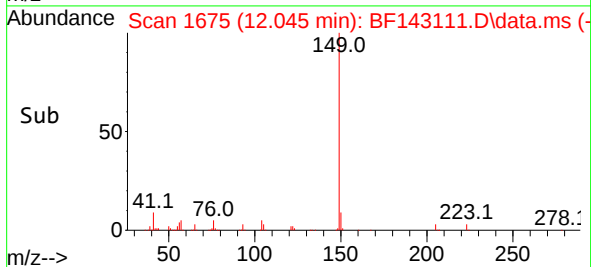
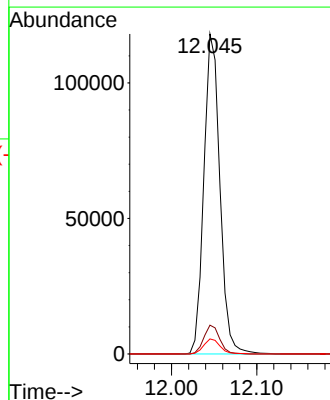
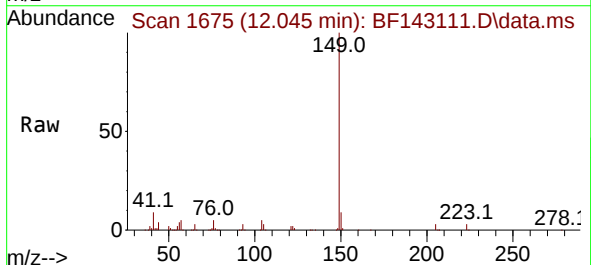
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

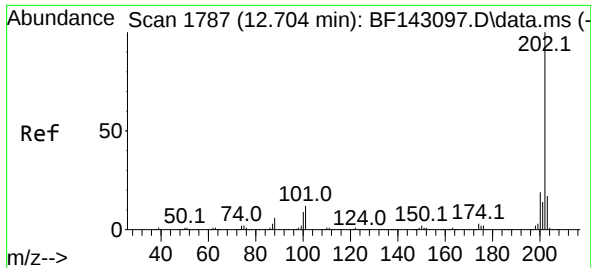
Tgt Ion:167 Resp: 176999
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.0 25.4
 139 12.0 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 7.631 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. -0.006 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

Tgt Ion:149 Resp: 154165
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 4.7 3.8 5.8

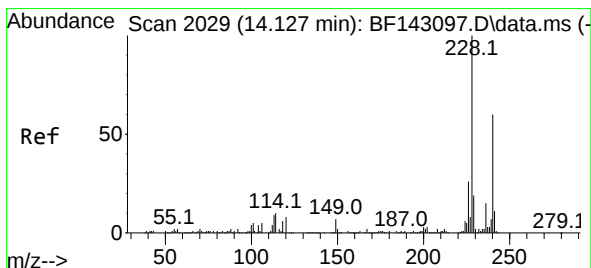
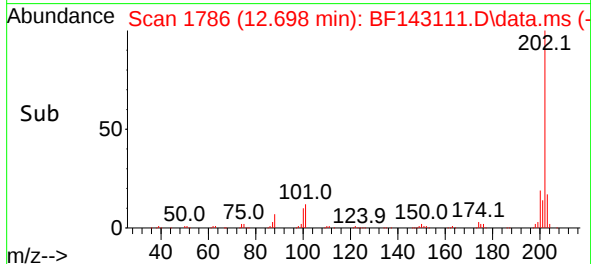
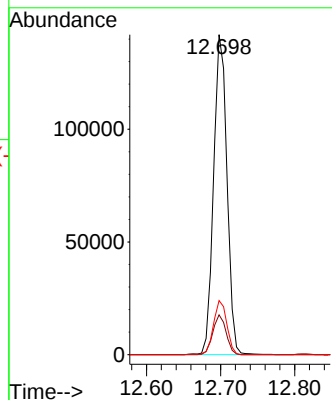
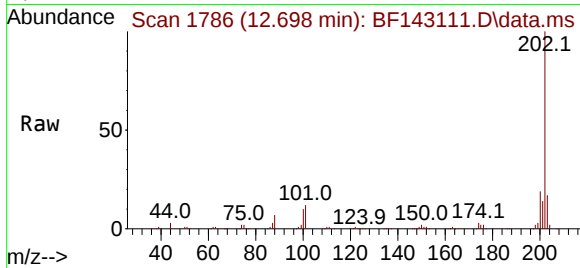




#75
Fluoranthene
Concen: 8.000 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

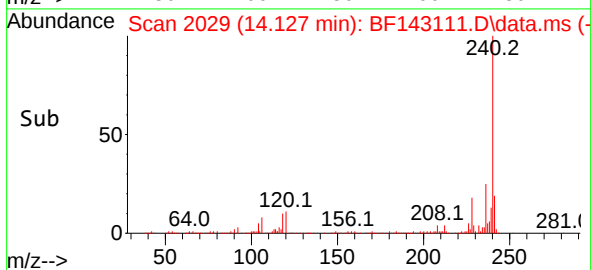
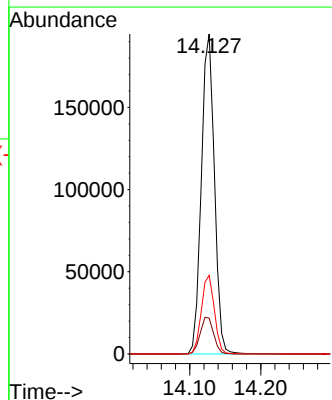
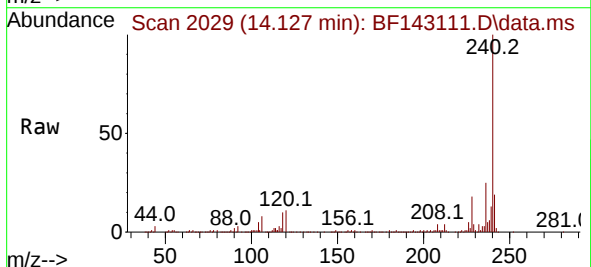
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

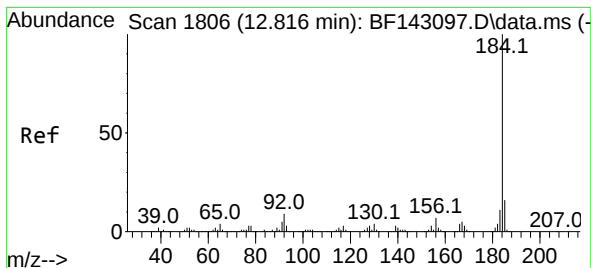
Tgt Ion:202 Resp: 177703
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 16.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:240 Resp: 249777
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 24.5 20.0 30.0





#77

Benzidine

Concen: 7.386 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

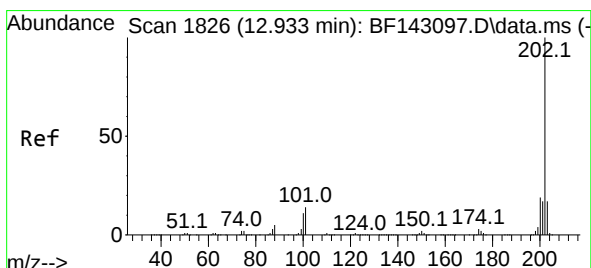
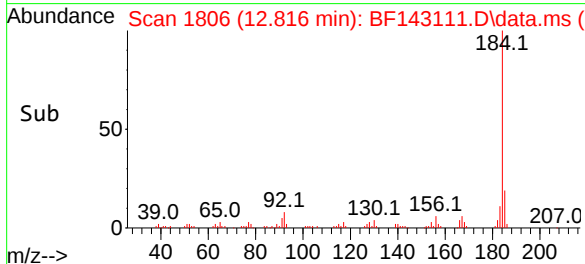
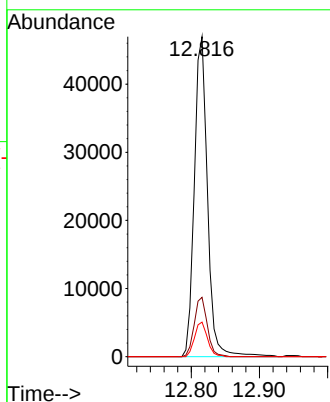
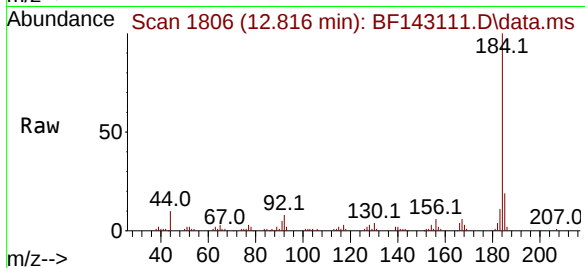
Tgt Ion:184 Resp: 62853

Ion Ratio Lower Upper

184 100

185 18.6 12.4 18.6

183 10.8 8.6 12.8



#78

Pyrene

Concen: 7.878 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

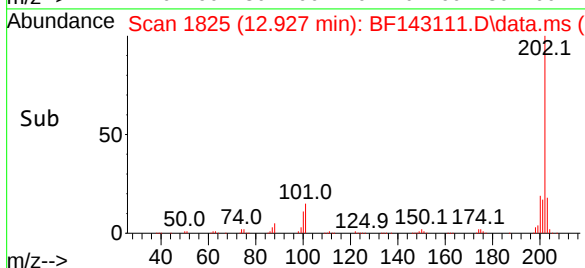
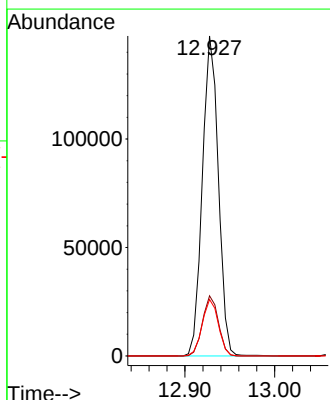
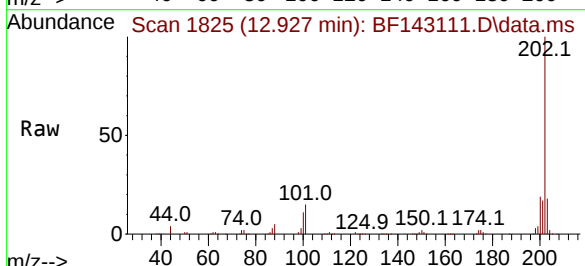
Tgt Ion:202 Resp: 182569

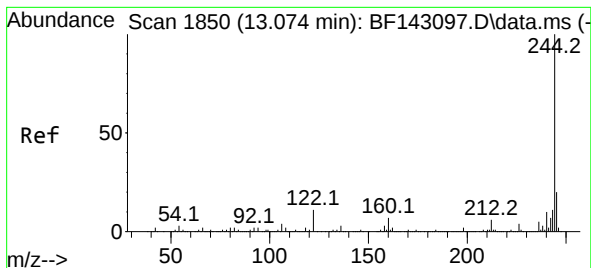
Ion Ratio Lower Upper

202 100

200 18.8 15.5 23.3

203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 78.932 ng

RT: 13.074 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

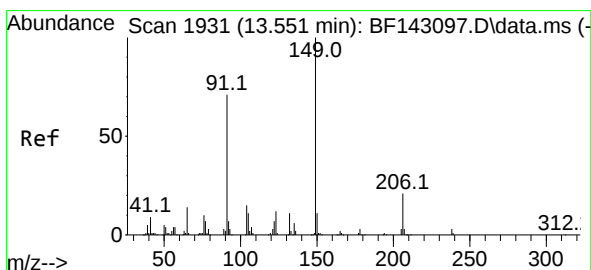
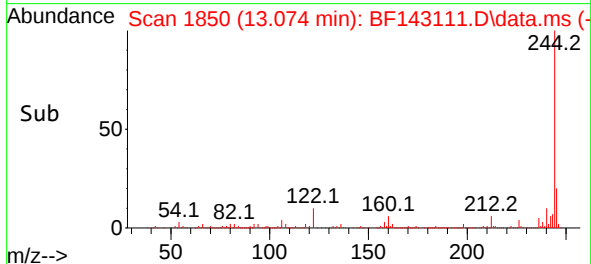
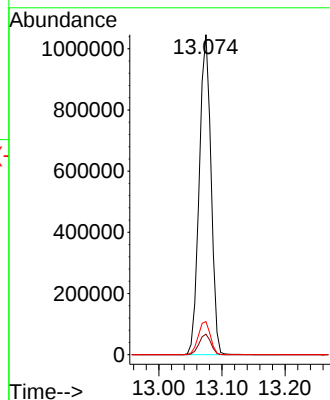
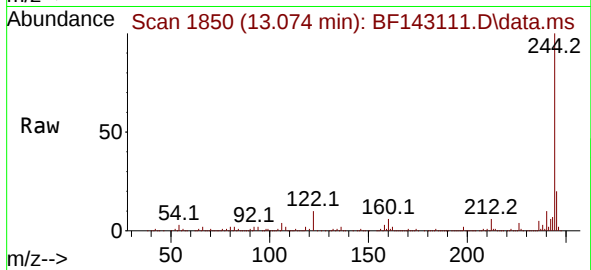
Tgt Ion:244 Resp: 1348703

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 8.538 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

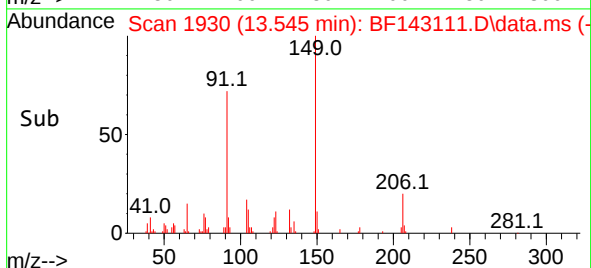
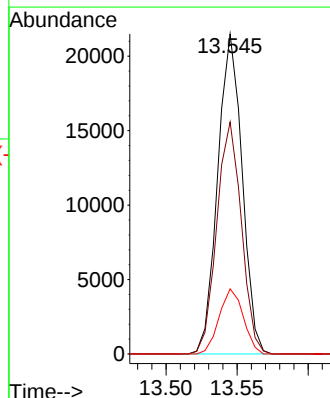
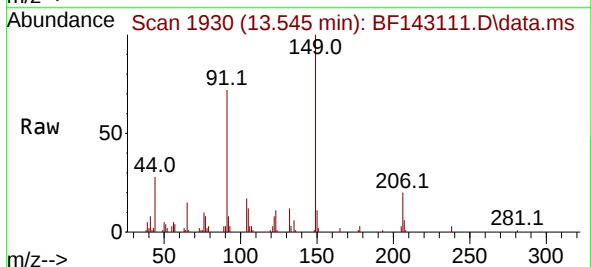
Tgt Ion:149 Resp: 25699

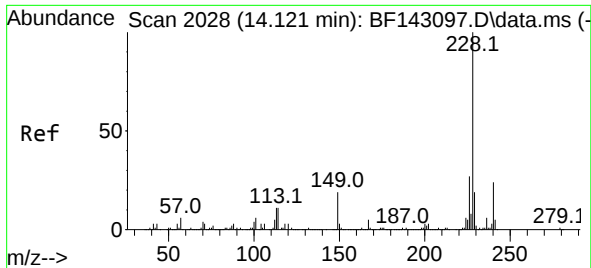
Ion Ratio Lower Upper

149 100

91 72.5 57.0 85.4

206 20.4 17.2 25.8

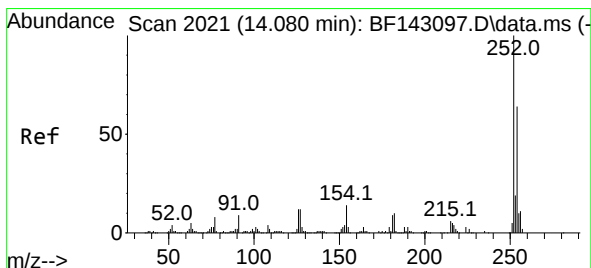
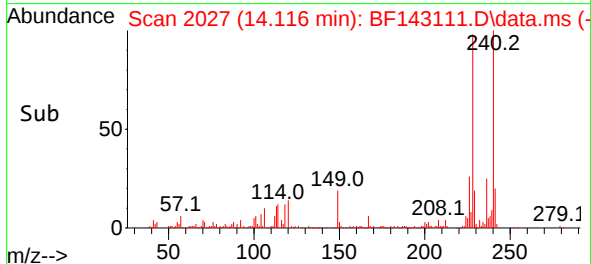
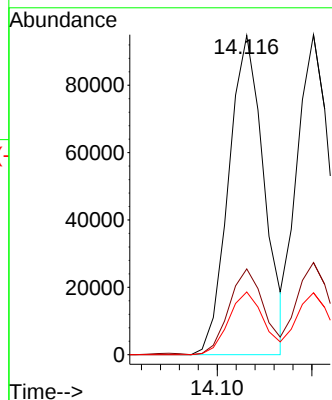
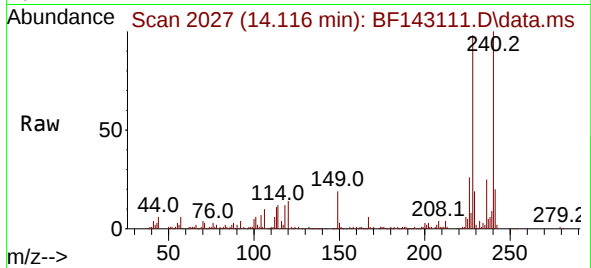




#81
Benzo(a)anthracene
Concen: 7.408 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

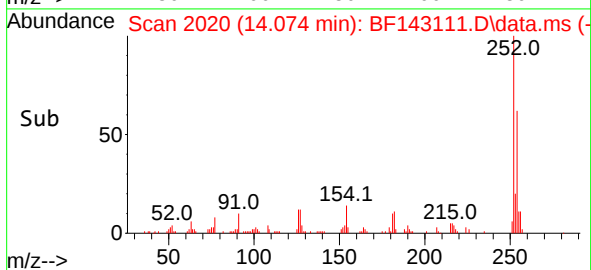
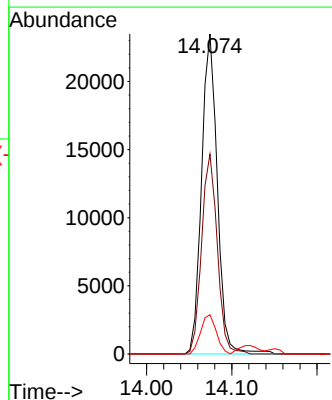
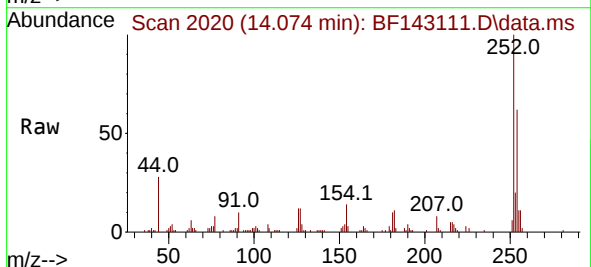
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

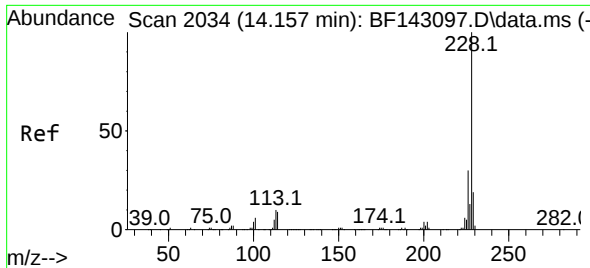
Tgt Ion:228 Resp: 123305
Ion Ratio Lower Upper
228 100
226 26.9 21.3 31.9
229 19.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 6.236 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:252 Resp: 30140
Ion Ratio Lower Upper
252 100
254 62.5 51.5 77.3
126 12.3 9.4 14.0

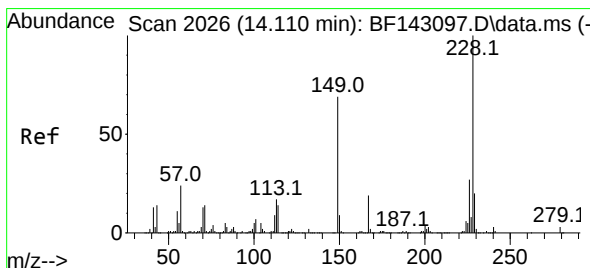
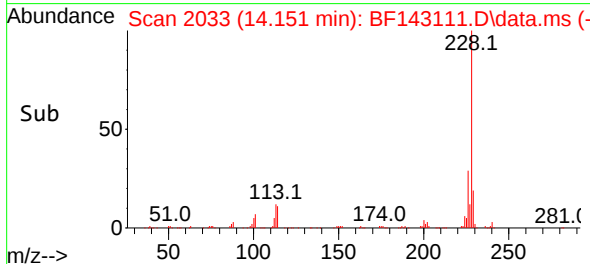
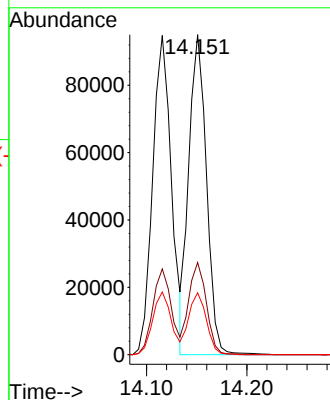
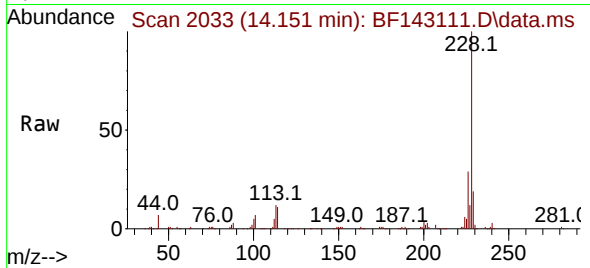




#83
Chrysene
Concen: 7.595 ng
RT: 14.151 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

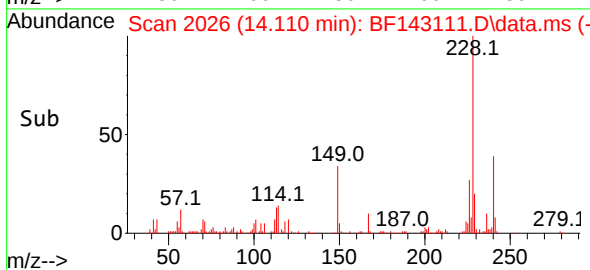
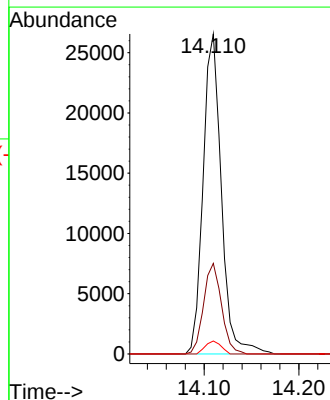
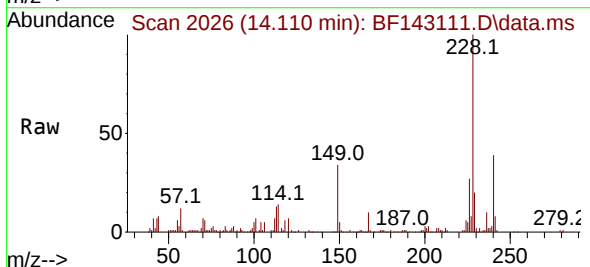
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

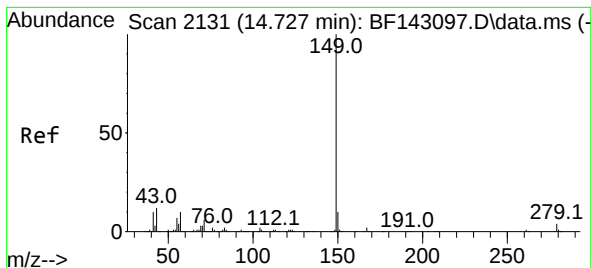
Tgt Ion:	228	Resp:	116433
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.4	35.2
229	19.4	15.3	22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.114 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:	149	Resp:	35549
Ion Ratio	Lower	Upper	
149	100		
167	28.3	21.9	32.9
279	4.1	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 10.423 ng

RT: 14.721 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

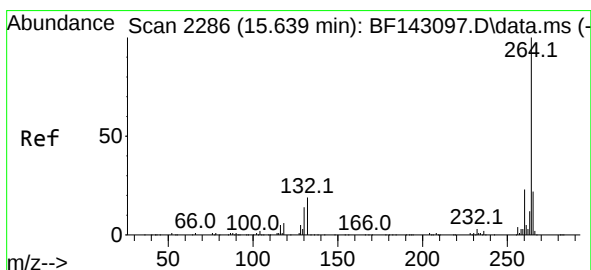
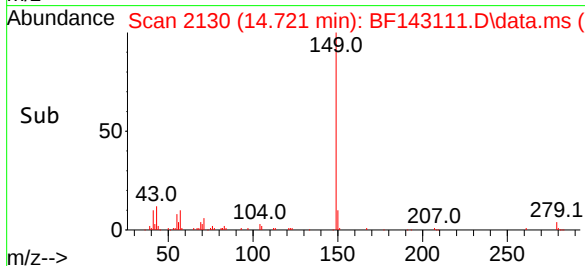
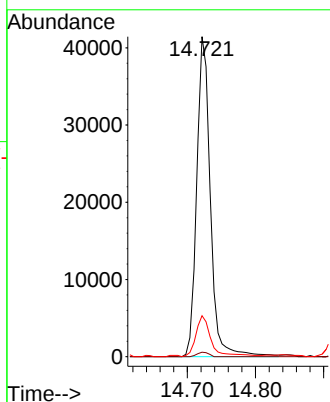
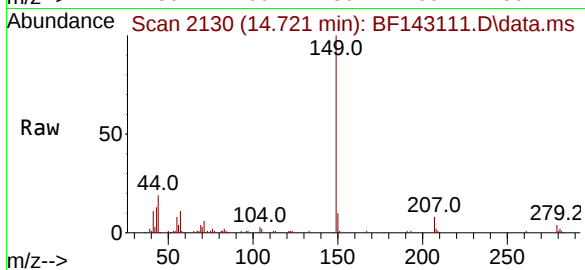
Tgt Ion:149 Resp: 57609

Ion Ratio Lower Upper

149 100

167 1.2 1.2 1.8

43 14.4 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: BF143111.D

Acq: 16 Jul 2025 13:35

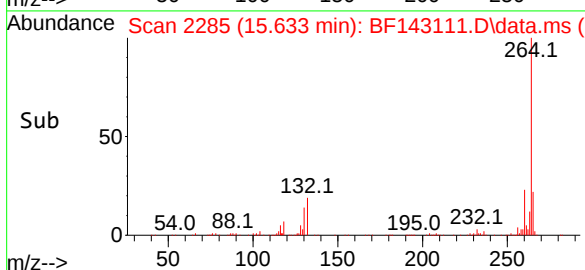
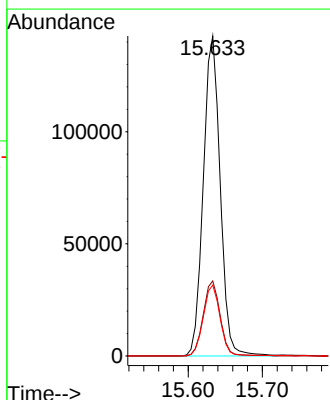
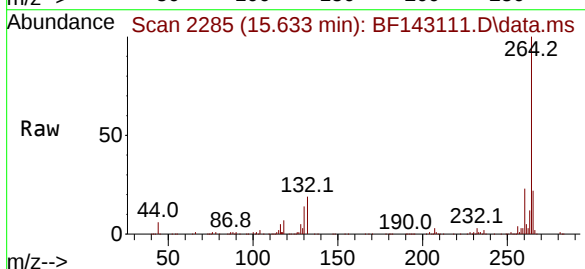
Tgt Ion:264 Resp: 225940

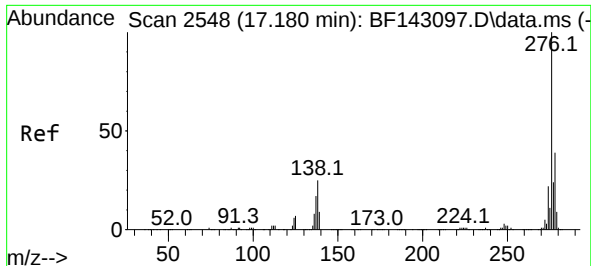
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.2 17.5 26.3

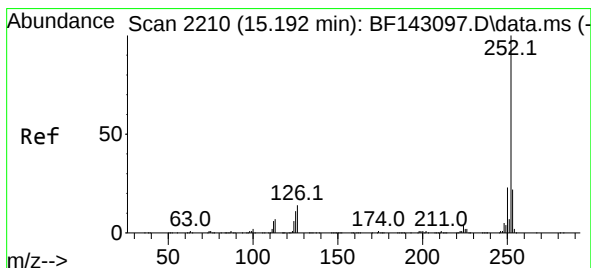
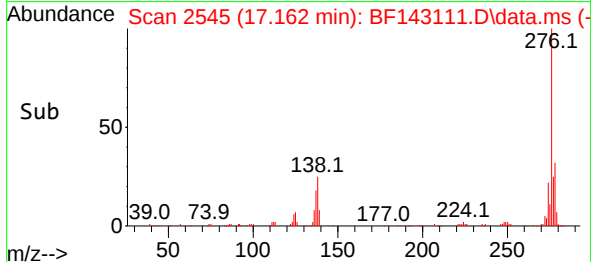
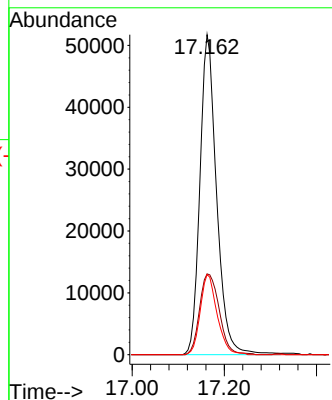
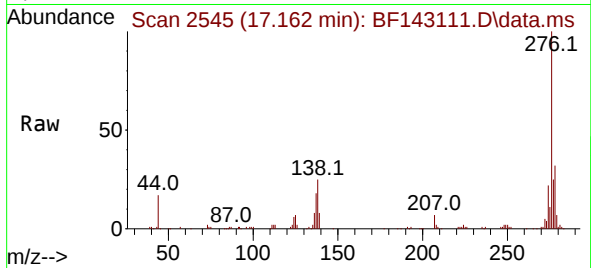




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.769 ng
 RT: 17.162 min Scan# 2109
 Delta R.T. -0.018 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

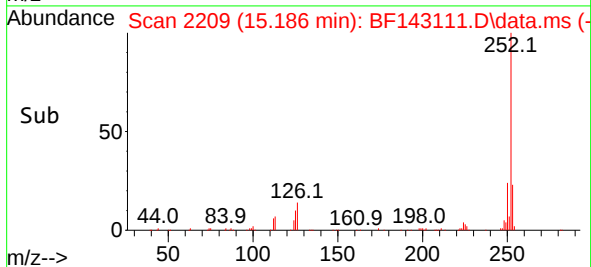
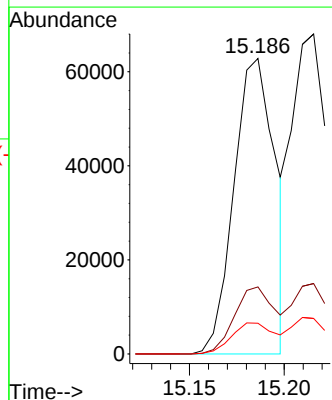
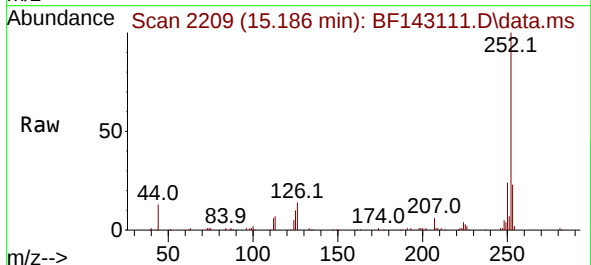
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

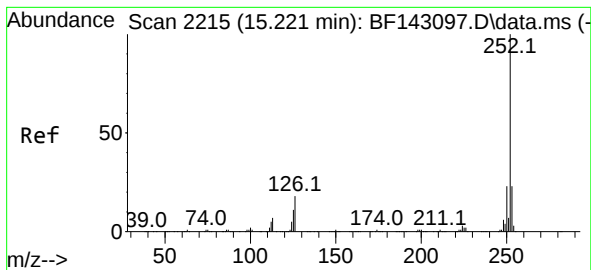
Tgt Ion:276 Resp: 130555
 Ion Ratio Lower Upper
 276 100
 138 29.6 22.6 34.0
 277 25.3 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.296 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. -0.006 min
 Lab File: BF143111.D
 Acq: 16 Jul 2025 13:35

Tgt Ion:252 Resp: 95092
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 10.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 7.844 ng

RT: 15.216 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

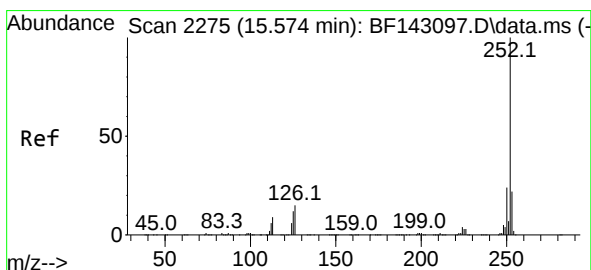
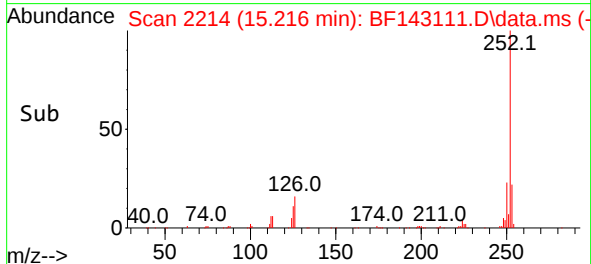
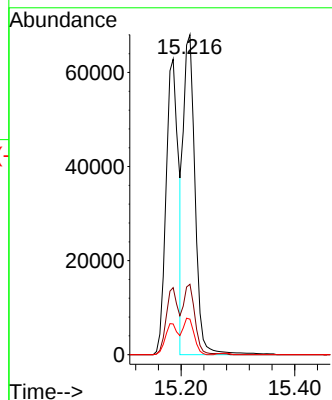
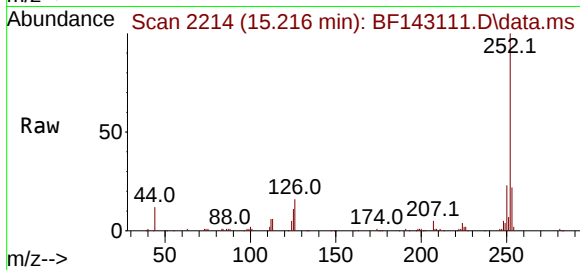
Tgt Ion:252 Resp: 97521

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 11.1 8.5 12.7



#90

Benzo(a)pyrene

Concen: 7.521 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.012 min

Lab File: BF143111.D

Acq: 16 Jul 2025 13:35

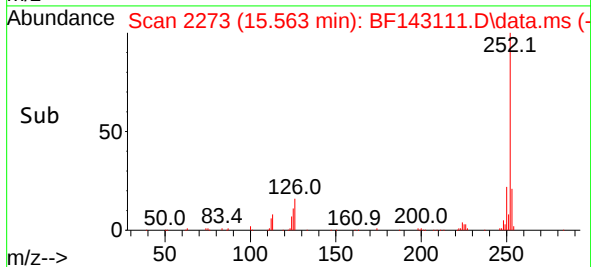
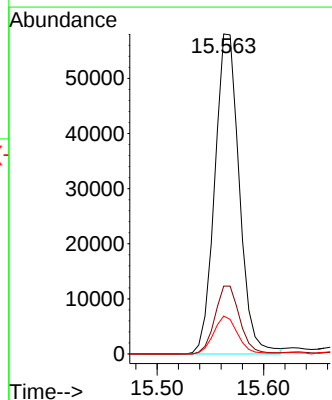
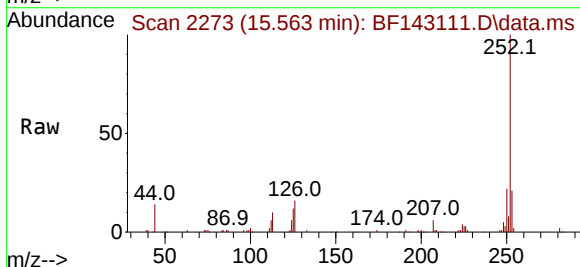
Tgt Ion:252 Resp: 92702

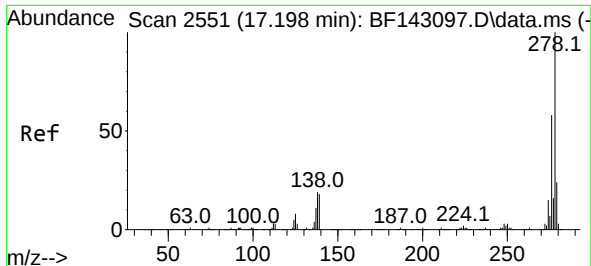
Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

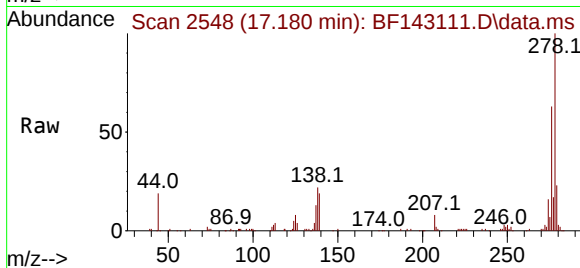
125 11.9 9.4 14.0



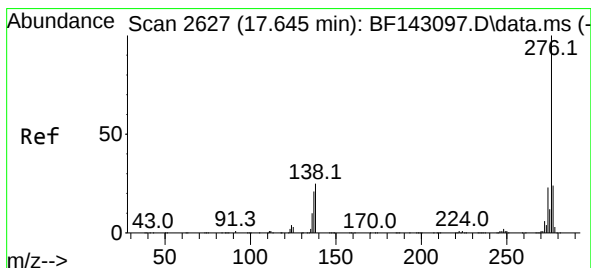
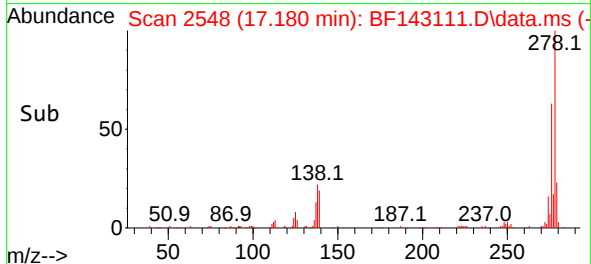
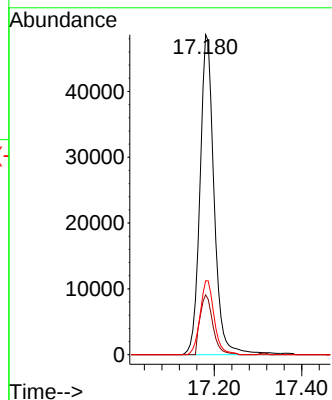


#91
Dibenzo(a,h)anthracene
Concen: 7.994 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025



Tgt Ion:278 Resp: 109816
Ion Ratio Lower Upper
278 100
139 18.7 14.6 22.0
279 23.1 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 7.720 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143111.D
Acq: 16 Jul 2025 13:35

Tgt Ion:276 Resp: 108116
Ion Ratio Lower Upper
276 100
277 24.4 19.2 28.8
138 23.1 19.8 29.6

