

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143110.D
 Acq On : 16 Jul 2025 13:05
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 16 13:30:31 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	148267	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	571746	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283262	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	454952	20.000	ng	0.00
76) Chrysene-d12	14.127	240	243248	20.000	ng	0.00
86) Perylene-d12	15.633	264	239895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	1046215	111.485	ng	0.00
7) Phenol-d6	6.587	99	1352374	114.645	ng	0.00
23) Nitrobenzene-d5	7.522	82	859919	84.373	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	335971	133.020	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1555508	72.996	ng	0.00
79) Terphenyl-d14	13.074	244	1309042	78.667	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	18641	3.990	ng	94
3) Pyridine	3.640	79	42318	3.577	ng	94
4) n-Nitrosodimethylamine	3.510	42	22375	3.651	ng	# 93
6) Aniline	6.628	93	65319	3.932	ng	99
8) 2-Chlorophenol	6.751	128	40653	4.312	ng	# 77
9) Benzaldehyde	6.516	77	35691	3.971	ng	98
10) Phenol	6.598	94	54981	4.305	ng	# 59
11) bis(2-Chloroethyl)ether	6.698	93	40031	4.049	ng	99
12) 1,3-Dichlorobenzene	6.910	146	43353	4.070	ng	100
13) 1,4-Dichlorobenzene	6.987	146	44254	4.130	ng	98
14) 1,2-Dichlorobenzene	7.140	146	42834	4.191	ng	98
15) Benzyl Alcohol	7.093	79	33462	3.828	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	73470	4.032	ng	99
17) 2-Methylphenol	7.198	107	31534	3.876	ng	96
18) Hexachloroethane	7.487	117	13564	3.888	ng	95
19) n-Nitroso-di-n-propyla...	7.363	70	29159	4.035	ng	96
20) 3+4-Methylphenols	7.351	107	40803	4.089	ng	# 88
22) Acetophenone	7.363	105	58832	4.269	ng	98
24) Nitrobenzene	7.540	77	43899	4.462	ng	100
25) Isophorone	7.775	82	75436	3.829	ng	100
26) 2-Nitrophenol	7.857	139	11749	6.674	ng	98
27) 2,4-Dimethylphenol	7.887	122	37467	4.098	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	48872	4.091	ng	98
29) 2,4-Dichlorophenol	8.092	162	29416	3.933	ng	97
30) 1,2,4-Trichlorobenzene	8.187	180	33800	3.982	ng	97
31) Naphthalene	8.269	128	118771	4.183	ng	99
32) Benzoic acid	7.922	122	7392	7.923	ng	95
33) 4-Chloroaniline	8.304	127	45019	3.943	ng	99
34) Hexachlorobutadiene	8.392	225	20344	4.007	ng	98
35) Caprolactam	8.622	113	7393	3.165	ng	97
36) 4-Chloro-3-methylphenol	8.775	107	31506	3.781	ng	98
37) 2-Methylnaphthalene	8.957	142	69431	4.099	ng	98
38) 1-Methylnaphthalene	9.057	142	74625	4.248	ng	97
40) 1,2,4,5-Tetrachloroben...	9.122	216	34968	4.236	ng	99
41) Hexachlorocyclopentadiene	9.116	237	14581	3.186	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	19160	3.735	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143110.D
 Acq On : 16 Jul 2025 13:05
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 8 Sample Multiplier: 1

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

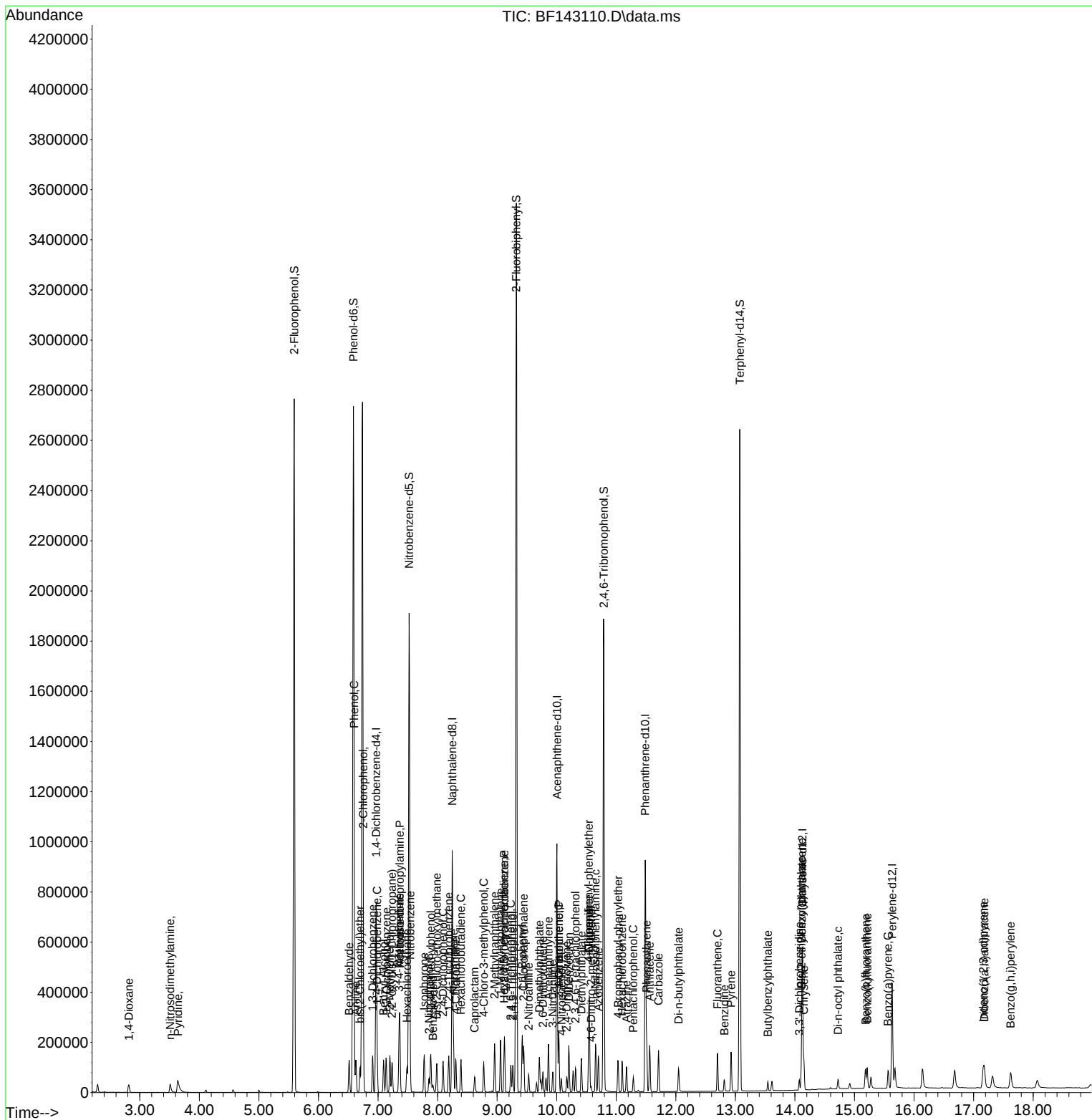
Quant Time: Jul 16 13:30:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

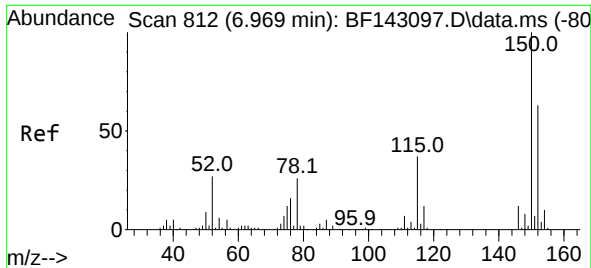
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	21668	4.029	ng	97
46) 1,1'-Biphenyl	9.422	154	96096	4.254	ng	99
47) 2-Chloronaphthalene	9.445	162	68898	4.152	ng	100
48) 2-Nitroaniline	9.528	65	14448	5.899	ng	96
49) Acenaphthylene	9.863	152	111126	4.019	ng	100
50) Dimethylphthalate	9.710	163	73195	4.107	ng	99
51) 2,6-Dinitrotoluene	9.769	165	11033	5.747	ng	98
52) Acenaphthene	10.033	154	67865	4.159	ng	99
53) 3-Nitroaniline	9.933	138	13546	3.518	ng	# 98
54) 2,4-Dinitrophenol	10.039	184	2204	7.059	ng	# 1
55) Dibenzofuran	10.204	168	100300	4.124	ng	98
56) 4-Nitrophenol	10.081	139	8980	2.934	ng	97
57) 2,4-Dinitrotoluene	10.169	165	11852	5.904	ng	# 96
58) Fluorene	10.545	166	78748	4.318	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	16388	3.834	ng	# 99
60) Diethylphthalate	10.416	149	67823	3.945	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	37307	4.268	ng	98
62) 4-Nitroaniline	10.539	138	12125	3.621	ng	96
63) Azobenzene	10.698	77	75014	3.945	ng	98
65) 4,6-Dinitro-2-methylph...	10.581	198	3160	7.420	ng	93
66) n-Nitrosodiphenylamine	10.651	169	63582	3.979	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	20327	3.929	ng	98
68) Hexachlorobenzene	11.098	284	21900	3.989	ng	100
69) Atrazine	11.175	200	14728	3.602	ng	97
70) Pentachlorophenol	11.286	266	9323	3.095	ng	97
71) Phenanthrene	11.510	178	101477	4.133	ng	99
72) Anthracene	11.563	178	98582	3.993	ng	98
73) Carbazole	11.710	167	87757	3.967	ng	99
74) Di-n-butylphthalate	12.045	149	68727	3.385	ng	100
75) Fluoranthene	12.698	202	84552	3.787	ng	100
77) Benzidine	12.816	184	25876	3.122	ng	# 94
78) Pyrene	12.927	202	87483	3.876	ng	100
80) Butylbenzylphthalate	13.545	149	10344	5.530	ng	94
81) Benzo(a)anthracene	14.116	228	59139	3.648	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	12186	2.589	ng	98
83) Chrysene	14.151	228	55894	3.744	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	15859	5.565	ng	96
85) Di-n-octyl phthalate	14.721	149	24649	8.331	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.162	276	65288	3.659	ng	98
88) Benzo(b)fluoranthene	15.186	252	47208	3.412	ng	98
89) Benzo(k)fluoranthene	15.216	252	49516	3.751	ng	99
90) Benzo(a)pyrene	15.563	252	44516	3.401	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	55996	3.839	ng	97
92) Benzo(g,h,i)perylene	17.621	276	56265	3.784	ng	99

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

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

Quant Time: Jul 16 13:30:31 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

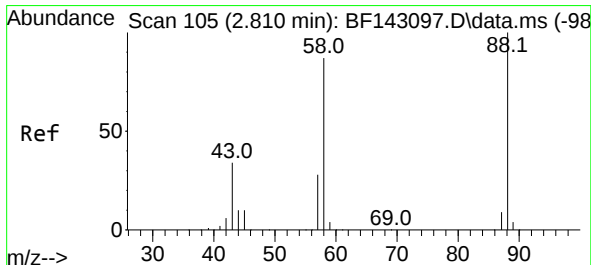
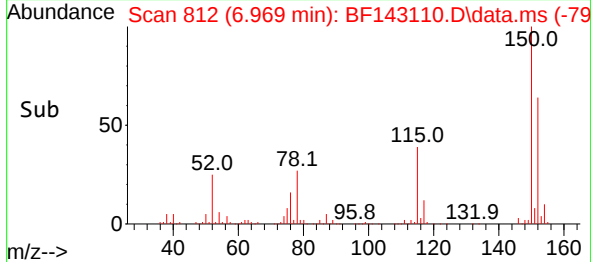
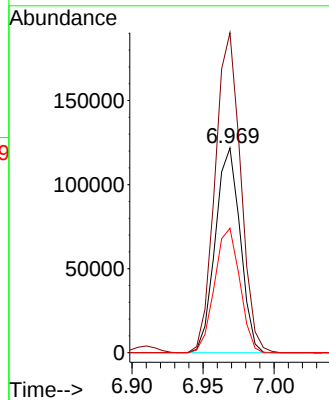
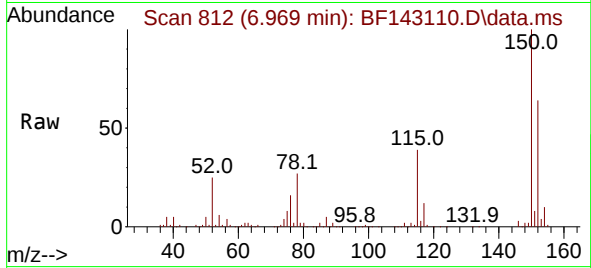




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 812
 Delta R.T. -0.000 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

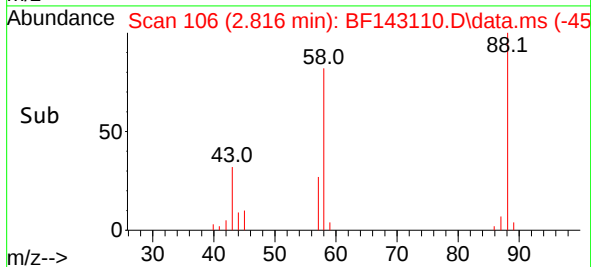
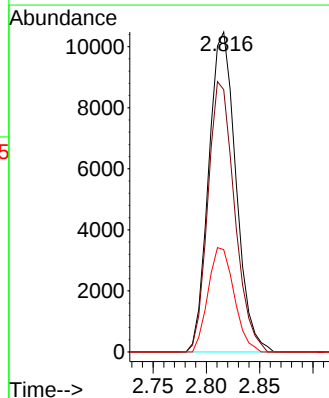
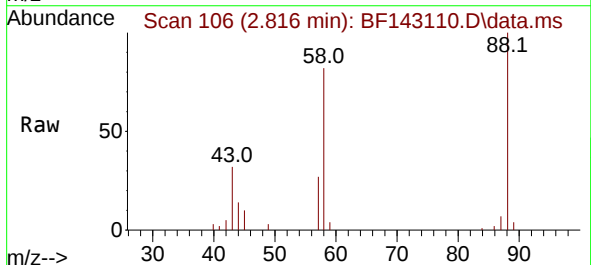
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

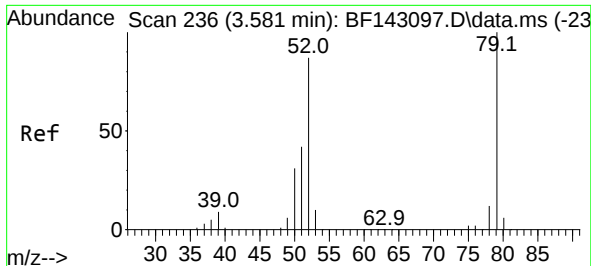
Tgt Ion:152 Resp: 148267
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.5 189.7
 115 60.8 47.0 70.6



#2
 1,4-Dioxane
 Concen: 3.990 ng
 RT: 2.816 min Scan# 106
 Delta R.T. 0.006 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

Tgt Ion: 88 Resp: 18641
 Ion Ratio Lower Upper
 88 100
 58 82.7 70.5 105.7
 43 31.2 27.3 40.9





#3

Pyridine

Concen: 3.577 ng

RT: 3.640 min Scan# 24

Delta R.T. 0.059 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

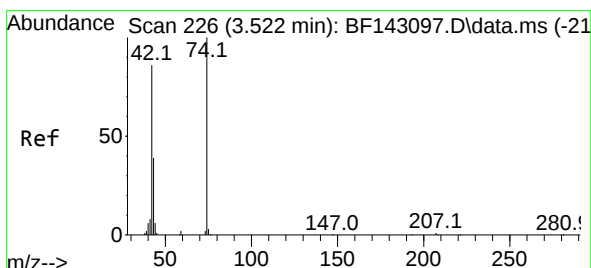
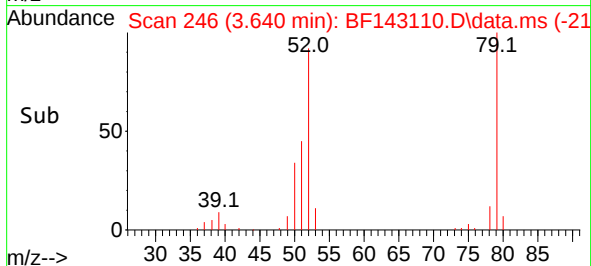
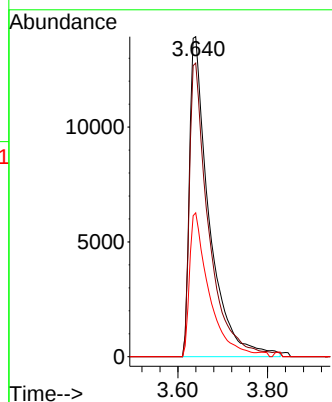
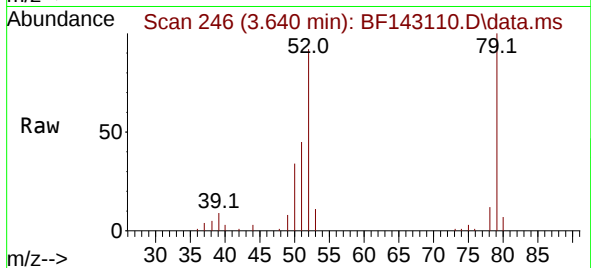
Tgt Ion: 79 Resp: 42318

Ion Ratio Lower Upper

79 100

52 91.7 69.2 103.8

51 44.9 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 3.651 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.012 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

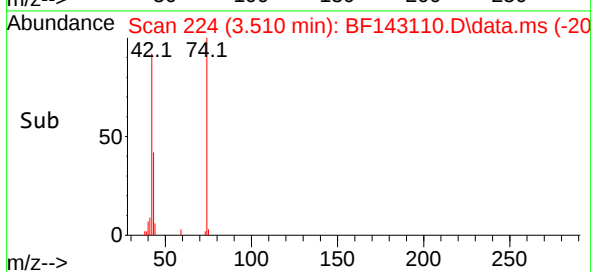
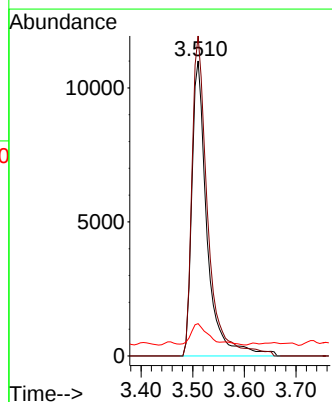
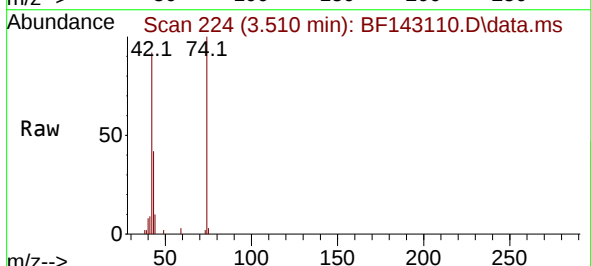
Tgt Ion: 42 Resp: 22375

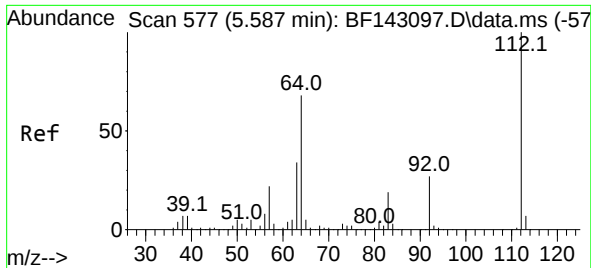
Ion Ratio Lower Upper

42 100

74 108.5 92.8 139.2

44 11.0 5.8 8.6#

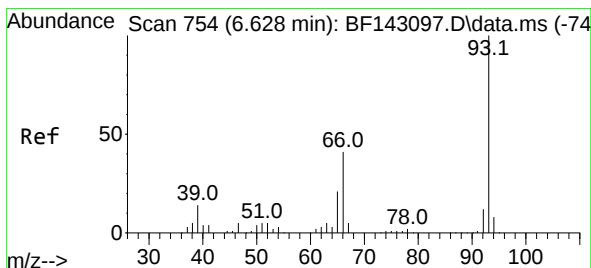
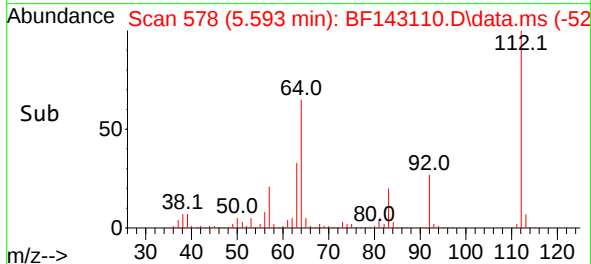
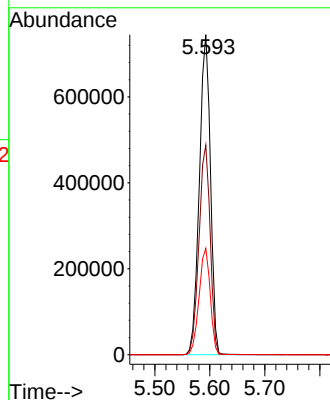
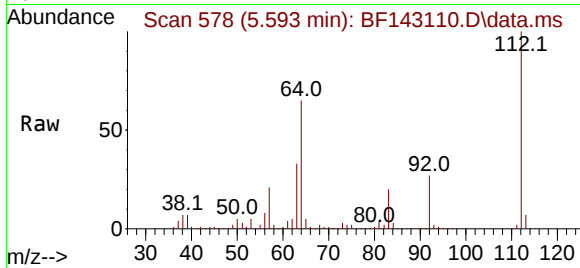




#5
2-Fluorophenol
Concen: 111.485 ng
RT: 5.593 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

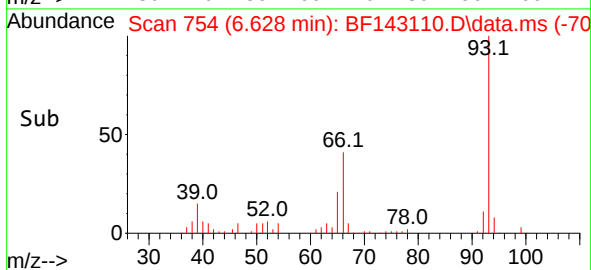
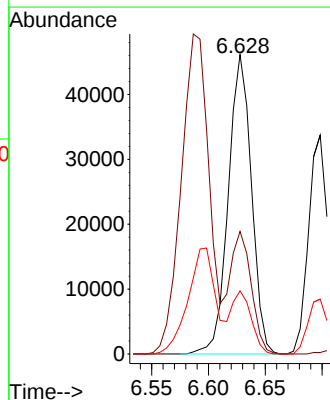
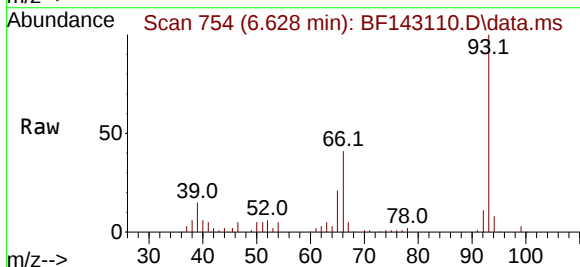
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

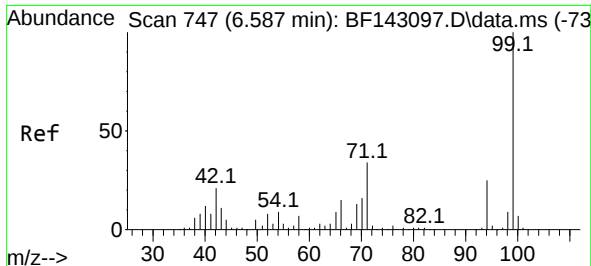
Tgt Ion:112 Resp: 1046215
Ion Ratio Lower Upper
112 100
64 65.5 54.6 82.0
63 33.2 27.3 40.9



#6
Aniline
Concen: 3.932 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion: 93 Resp: 65319
Ion Ratio Lower Upper
93 100
66 41.0 33.1 49.7
65 21.0 16.9 25.3





#7

Phenol-d6

Concen: 114.645 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

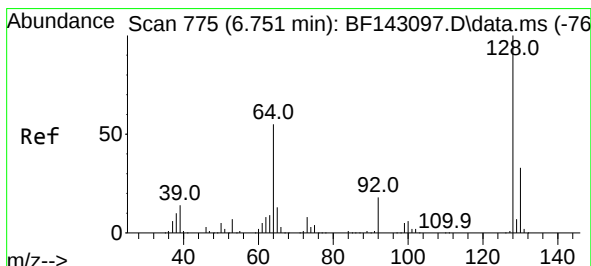
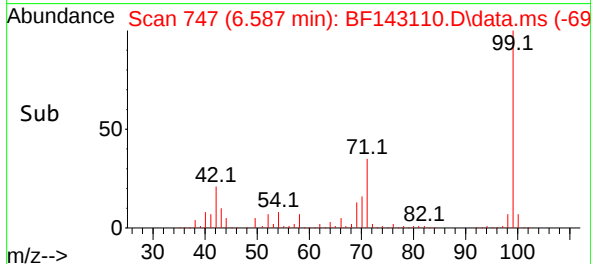
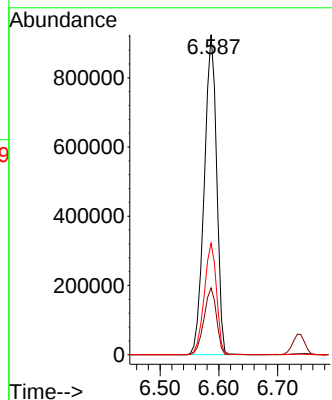
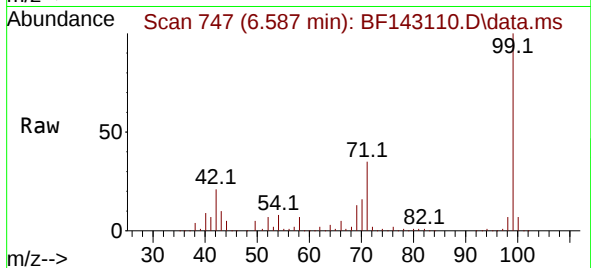
BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 99 Resp: 1352374

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.2	25.8
71	34.9	27.4	41.0



#8

2-Chlorophenol

Concen: 4.312 ng

RT: 6.751 min Scan# 775

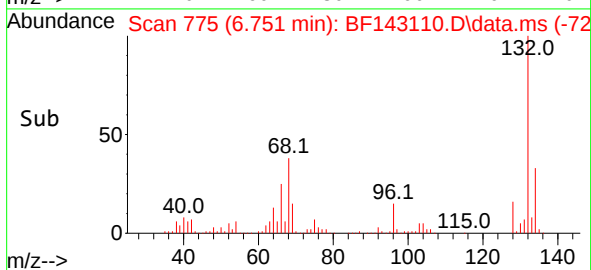
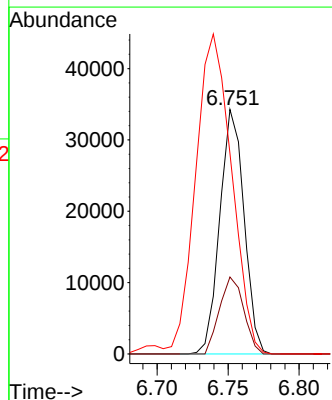
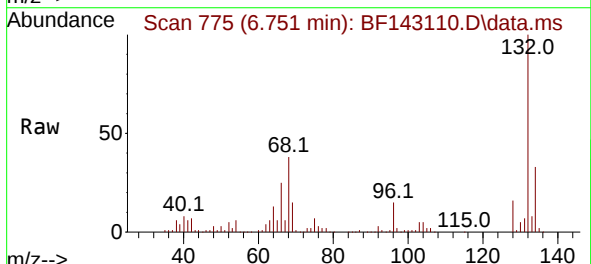
Delta R.T. 0.000 min

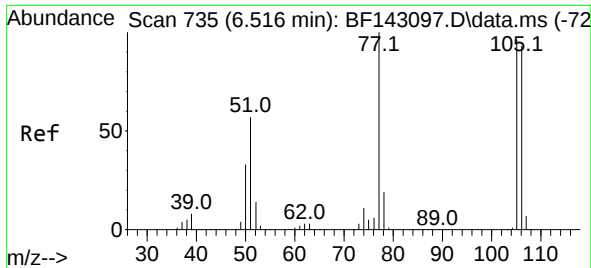
Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Tgt Ion:128 Resp: 40653

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.8	52.8
64	82.0	36.1	76.1





#9

Benzaldehyde

Concen: 3.971 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

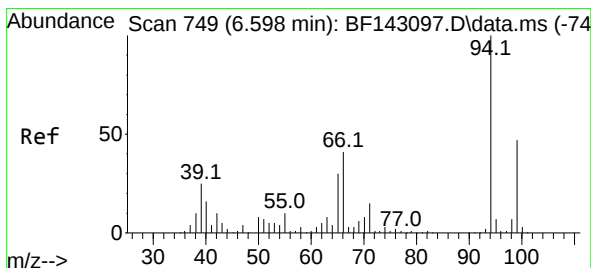
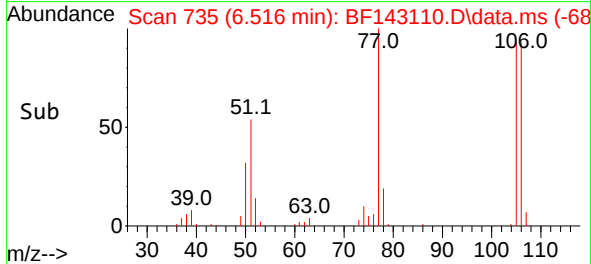
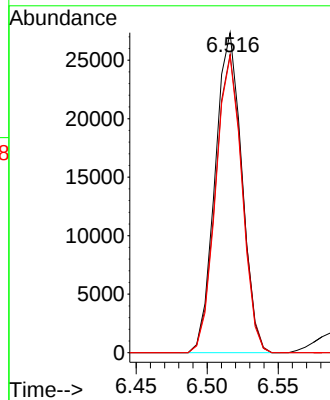
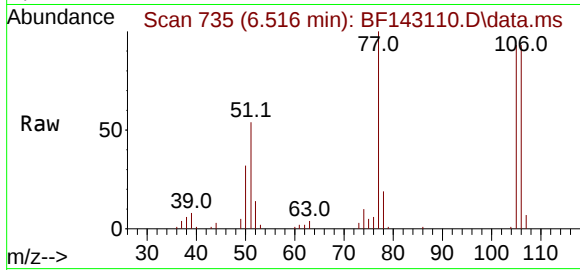
Tgt Ion: 77 Resp: 35691

Ion Ratio Lower Upper

77 100

105 93.2 76.3 116.3

106 92.7 72.8 112.8



#10

Phenol

Concen: 4.305 ng

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

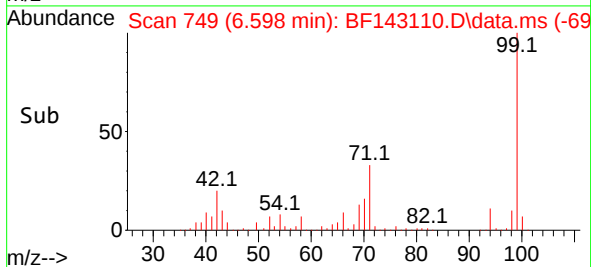
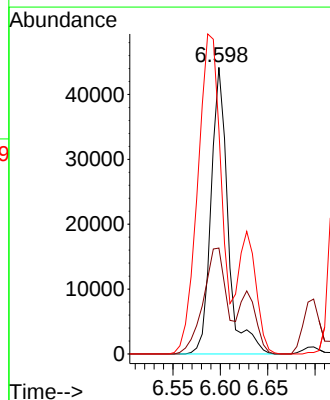
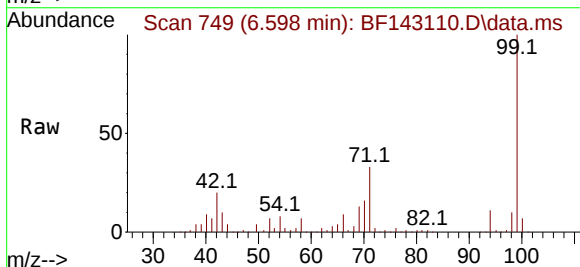
Tgt Ion: 94 Resp: 54981

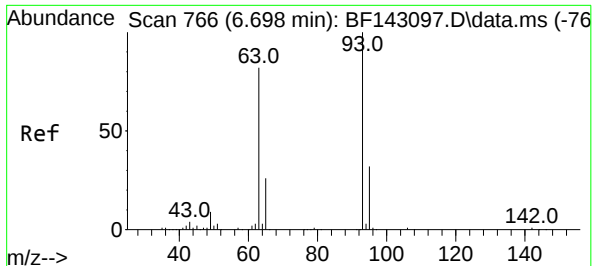
Ion Ratio Lower Upper

94 100

65 37.0 9.8 49.8

66 78.2 20.5 60.5#

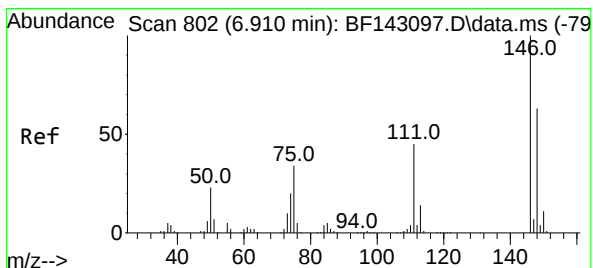
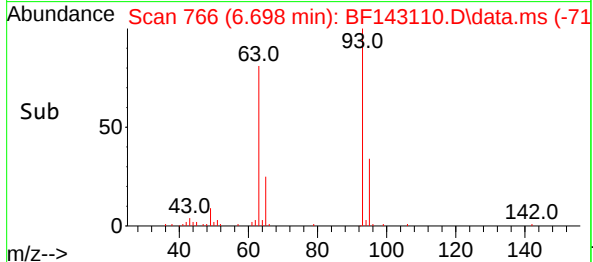
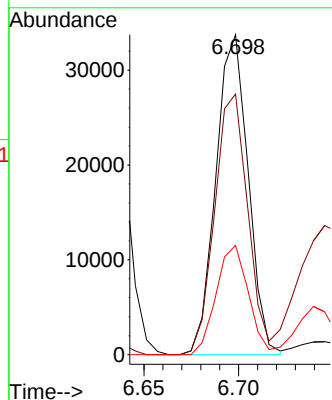
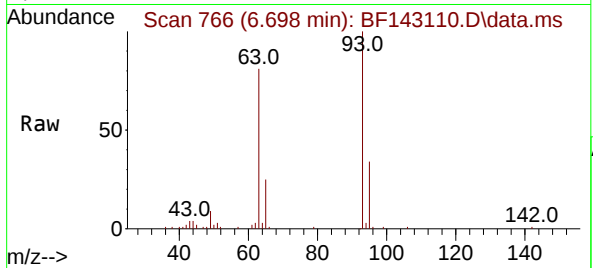




#11
bis(2-Chloroethyl)ether
Concen: 4.049 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

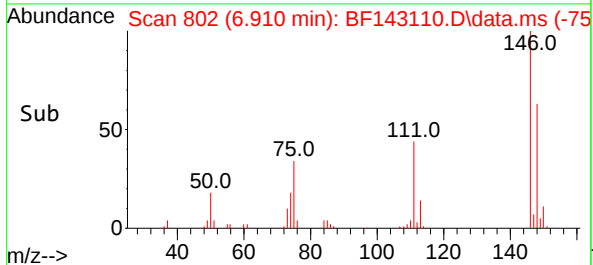
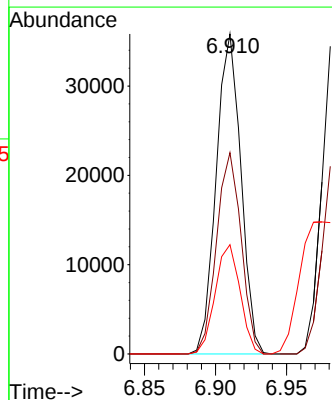
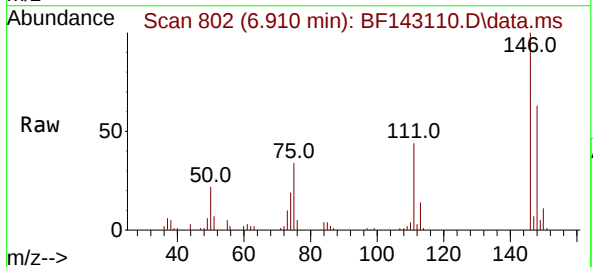
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

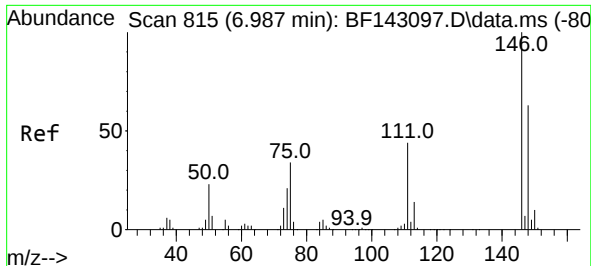
Tgt Ion: 93	Resp: 40031
Ion Ratio	Lower Upper
93 100	
63 81.5	61.9 101.9
95 34.1	12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 4.070 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:146	Resp: 43353		
Ion Ratio	Lower	Upper	
146 100			
148 62.9	50.1	75.1	
75 34.1	27.4	41.0	





#13

1,4-Dichlorobenzene

Concen: 4.130 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

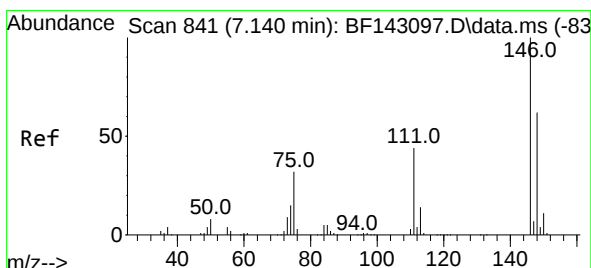
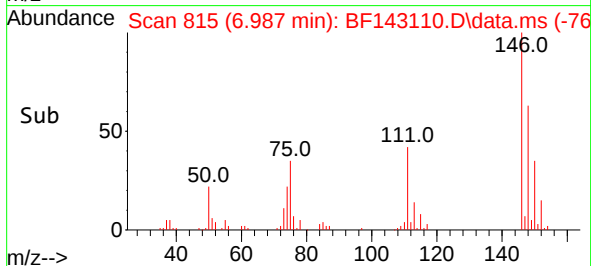
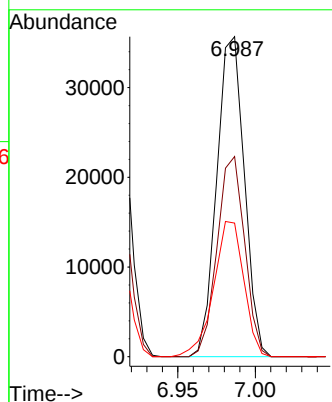
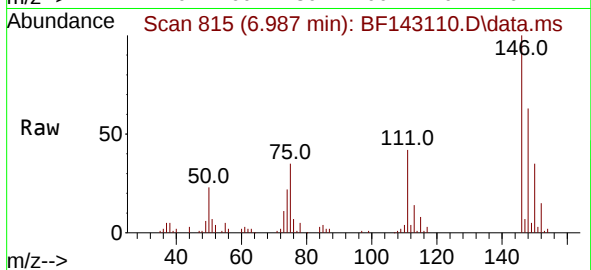
Tgt Ion:146 Resp: 44254

Ion Ratio Lower Upper

146 100

148 62.5 50.6 76.0

111 41.7 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 4.191 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

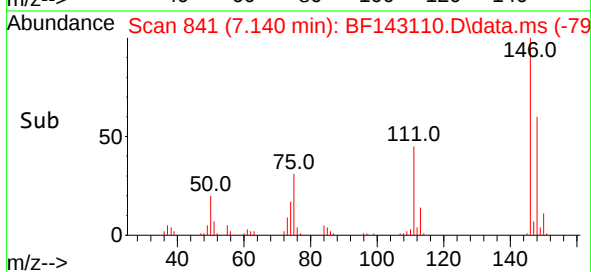
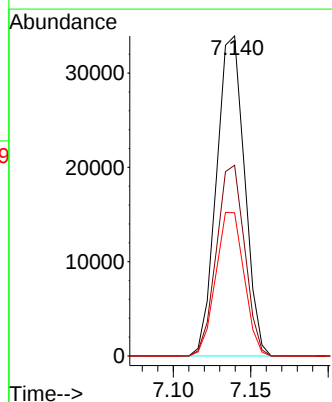
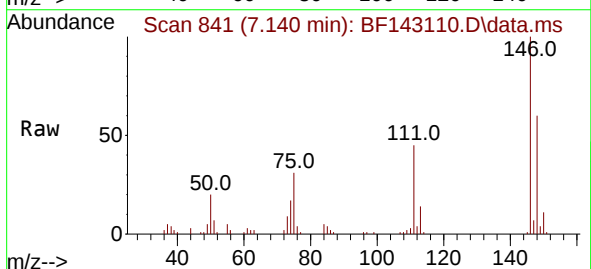
Tgt Ion:146 Resp: 42834

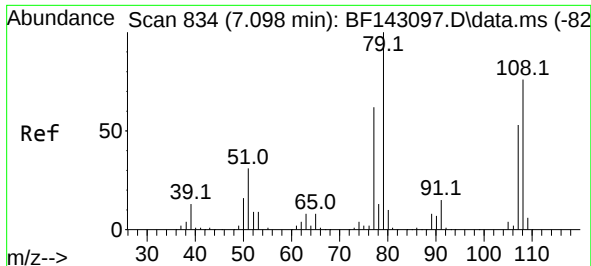
Ion Ratio Lower Upper

146 100

148 59.6 49.8 74.6

111 44.7 35.4 53.0

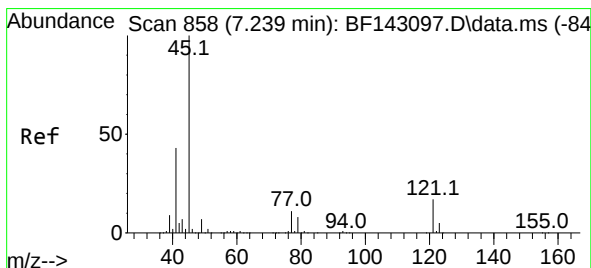
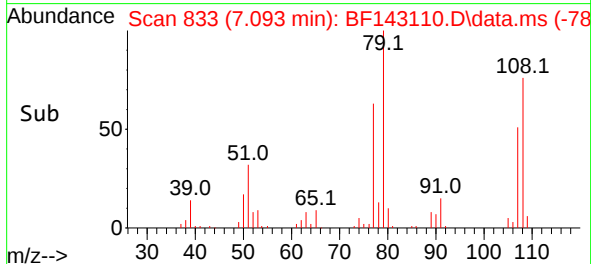
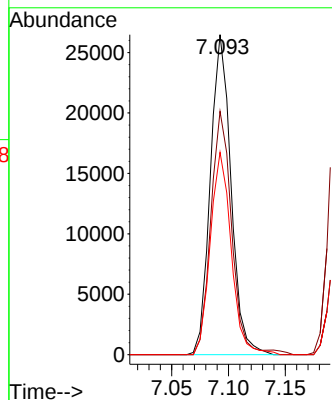
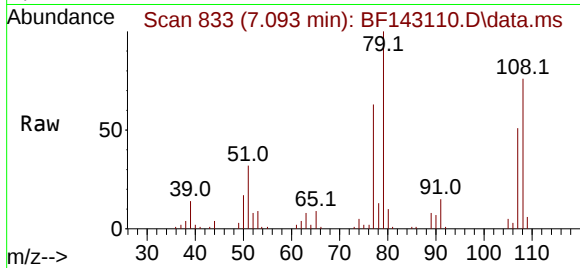




#15
Benzyl Alcohol
Concen: 3.828 ng
RT: 7.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

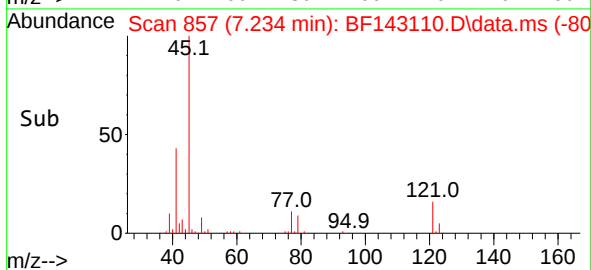
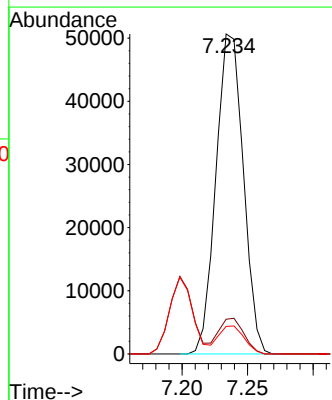
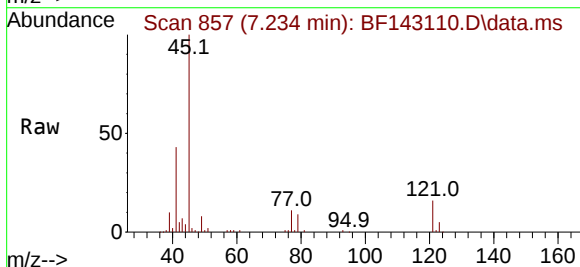
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

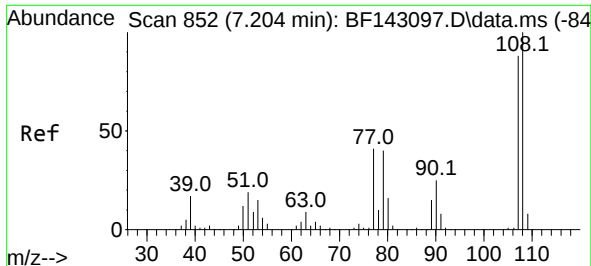
Tgt Ion: 79 Resp: 33462
Ion Ratio Lower Upper
79 100
108 76.1 61.1 91.7
77 63.3 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.032 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

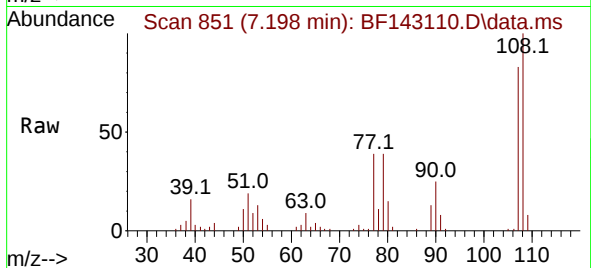
Tgt Ion: 45 Resp: 73470
Ion Ratio Lower Upper
45 100
77 10.8 0.0 31.1
79 8.6 0.0 28.4



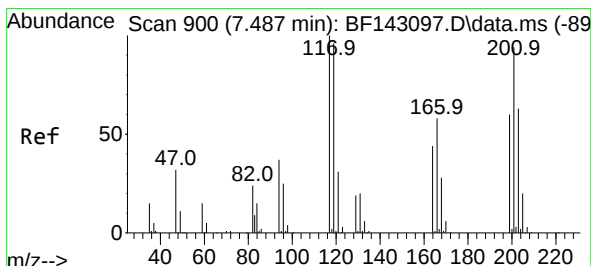
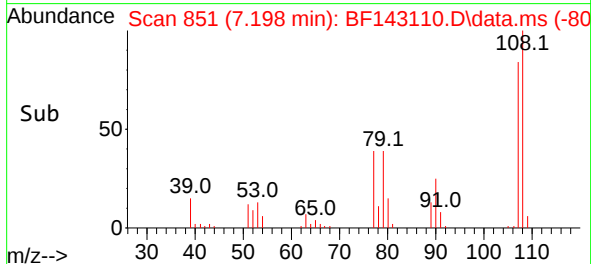
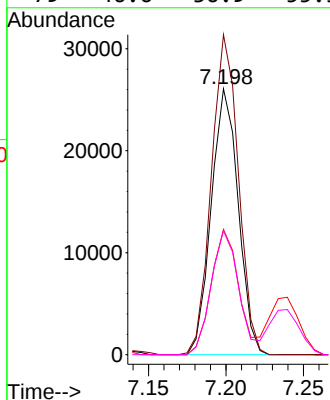


#17
2-Methylphenol
Concen: 3.876 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

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

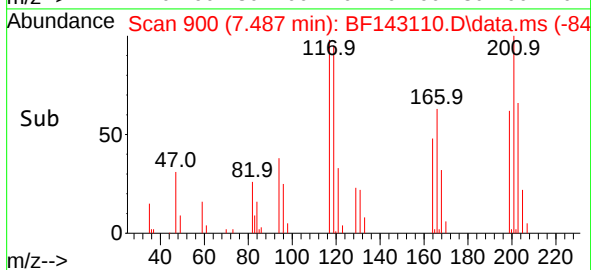
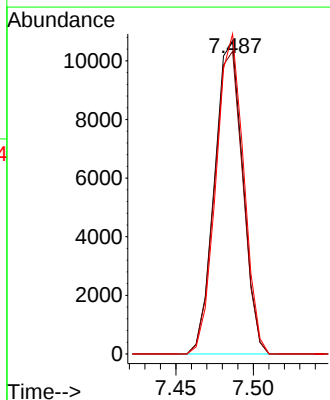
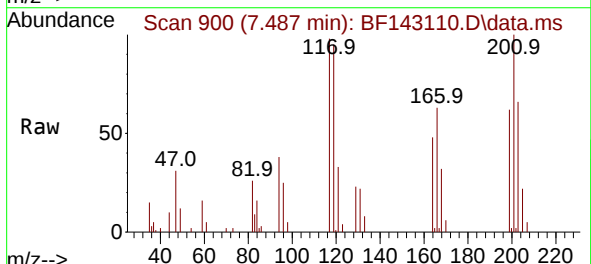


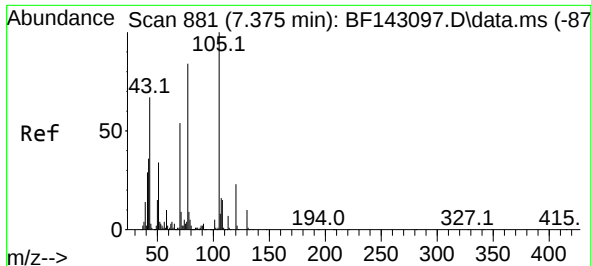
Tgt Ion:	107	Resp:	31534
Ion	Ratio	Lower	Upper
107	100		
108	120.3	90.9	136.3
77	47.1	37.5	56.3
79	46.6	36.9	55.3



#18
Hexachloroethane
Concen: 3.888 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:	117	Resp:	13564
Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.7	115.1
201	102.5	75.0	112.4

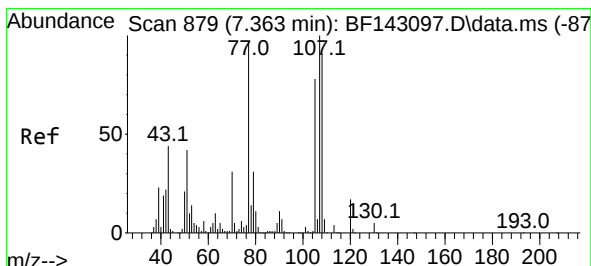
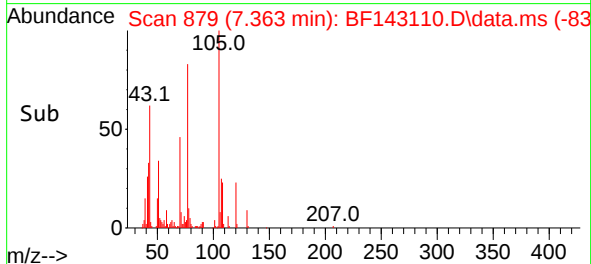
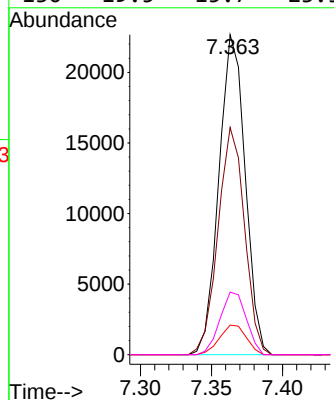
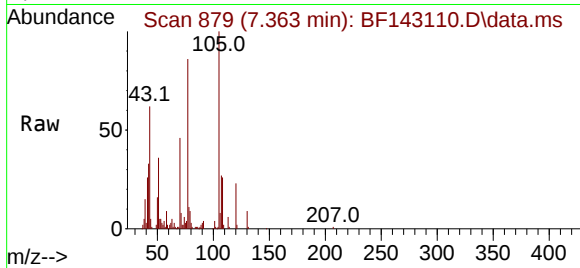




#19
n-Nitroso-di-n-propylamine
Concen: 4.035 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

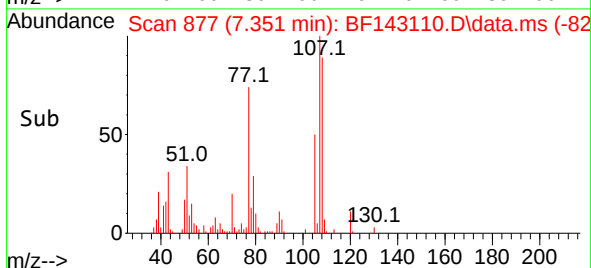
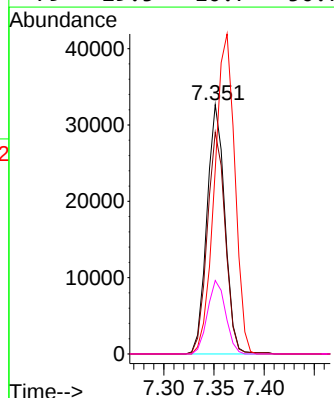
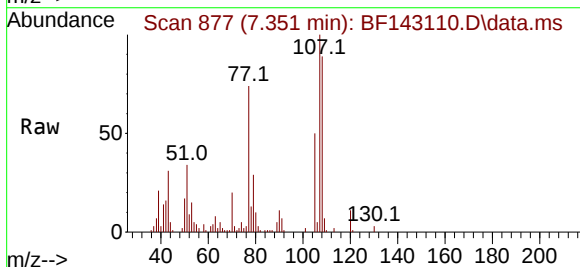
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

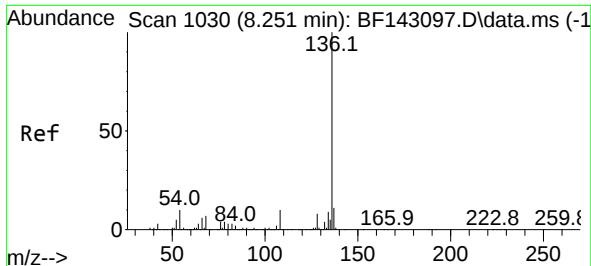
Tgt Ion:	70	Resp:	29159
Ion	Ratio	Lower	Upper
70	100		
42	71.0	53.2	79.8
101	9.3	7.5	11.3
130	19.5	15.7	23.5



#20
3+4-Methylphenols
Concen: 4.089 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:	107	Resp:	40803
Ion	Ratio	Lower	Upper
107	100		
108	88.9	71.3	111.3
77	73.9	77.2	117.2#
79	29.5	10.7	50.7

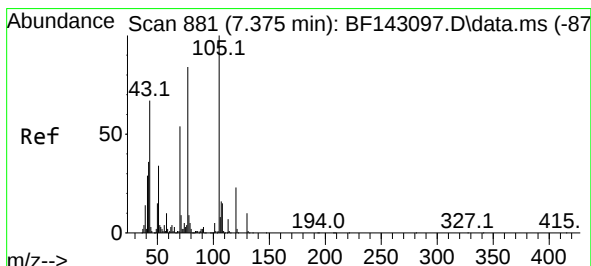
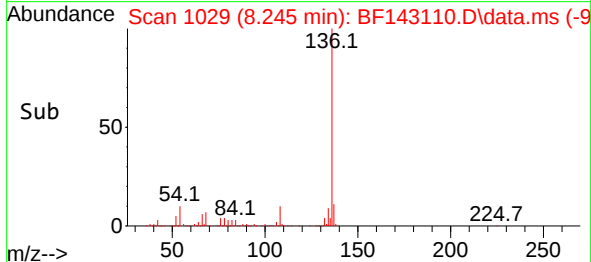
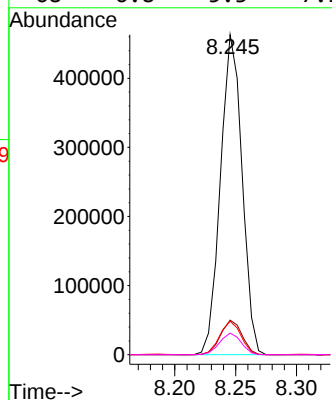
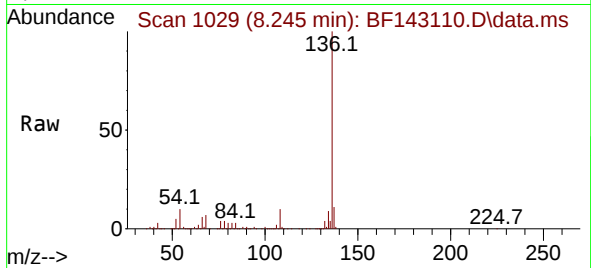




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

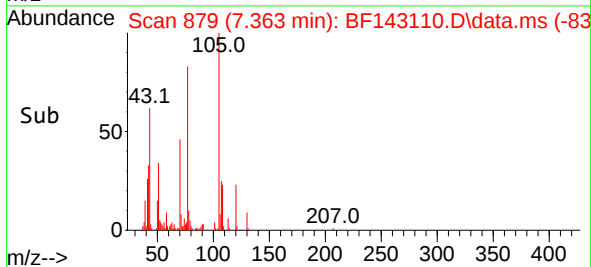
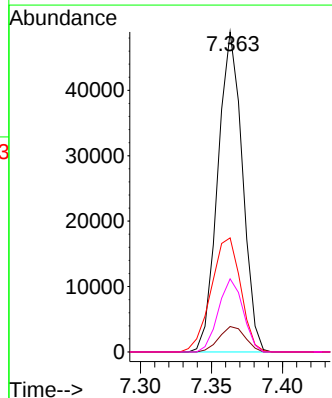
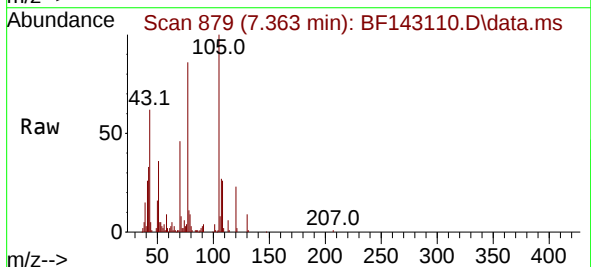
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

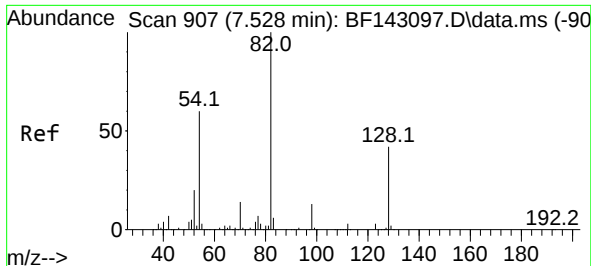
Tgt Ion:136	Resp: 571746
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 10.5	8.3 12.5
68 6.8	5.3 7.9



#22
Acetophenone
Concen: 4.269 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt	Ion:105	Resp:	58832
Ion	Ratio	Lower	Upper
105	100		
71	7.9	7.2	10.8
51	35.6	27.0	40.4
120	22.9	18.2	27.2





#23

Nitrobenzene-d5

Concen: 84.373 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

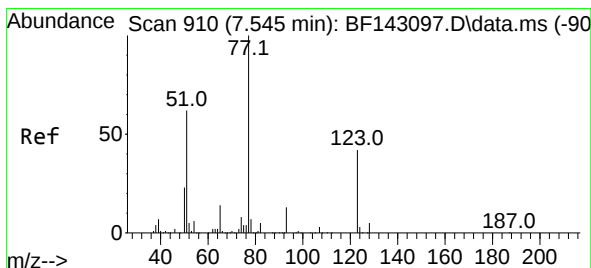
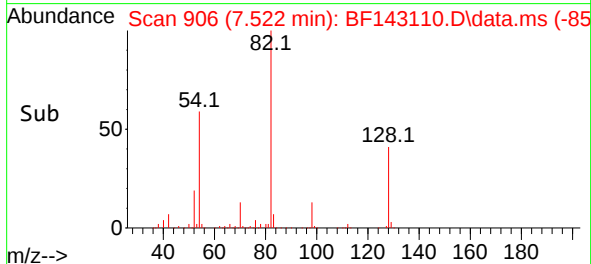
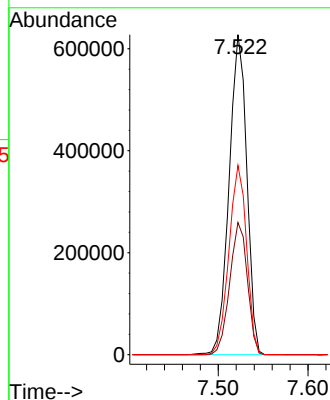
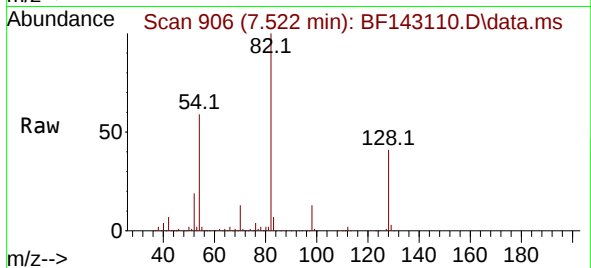
Tgt Ion: 82 Resp: 859919

Ion Ratio Lower Upper

82 100

128 41.3 33.3 49.9

54 59.2 47.4 71.2



#24

Nitrobenzene

Concen: 4.462 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

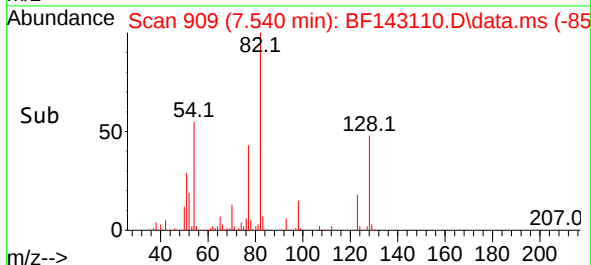
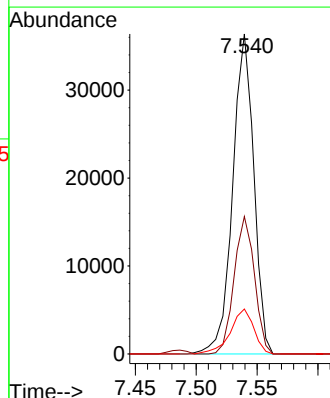
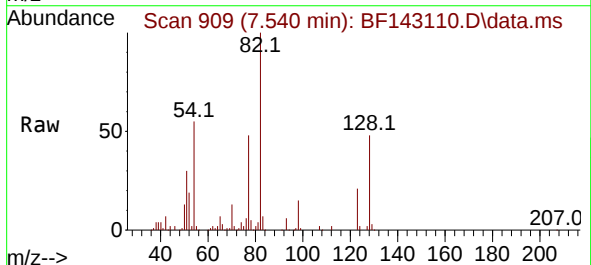
Tgt Ion: 77 Resp: 43899

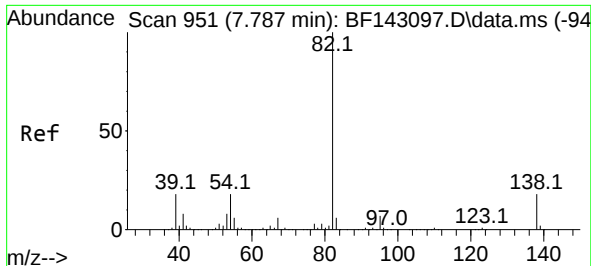
Ion Ratio Lower Upper

77 100

123 43.0 34.5 51.7

65 14.0 11.3 16.9

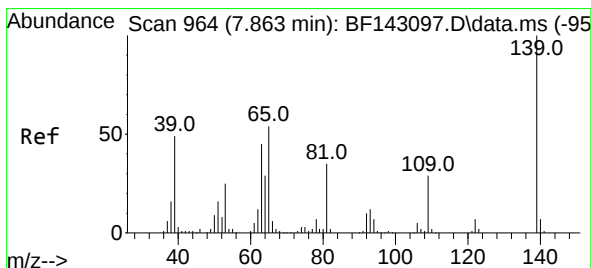
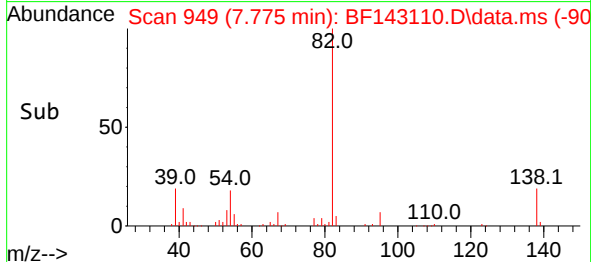
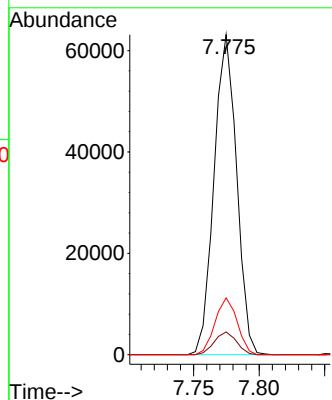
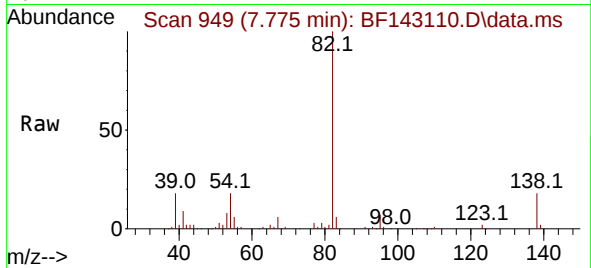




#25
Isophorone
Concen: 3.829 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

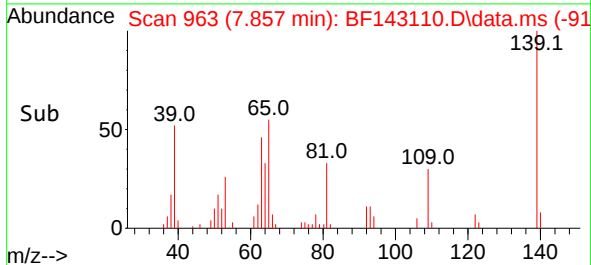
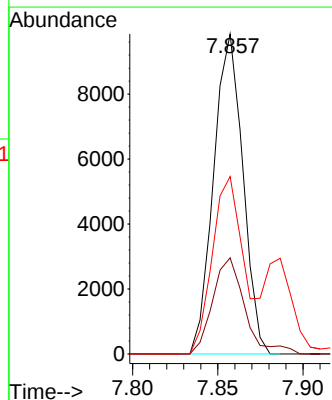
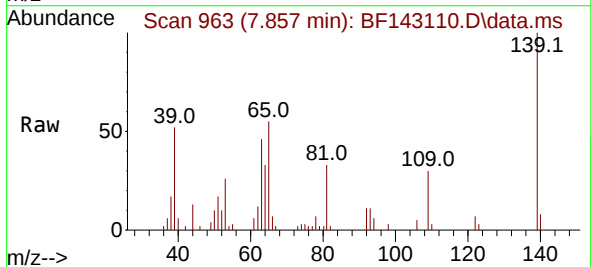
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

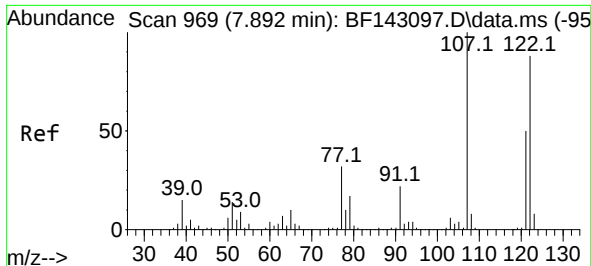
Tgt Ion: 82 Resp: 75436
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.7 14.3 21.5



#26
2-Nitrophenol
Concen: 6.674 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:139 Resp: 11749
Ion Ratio Lower Upper
139 100
109 30.1 23.4 35.0
65 55.4 43.4 65.2

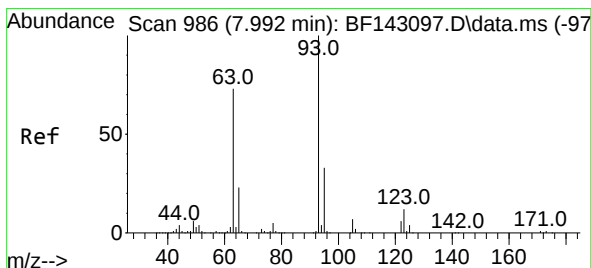
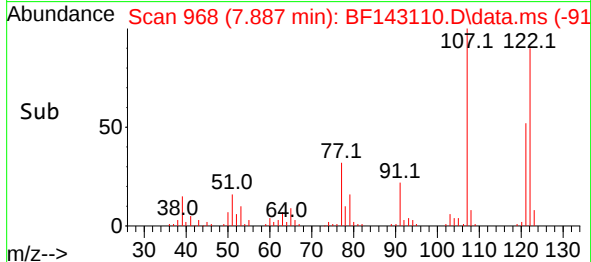
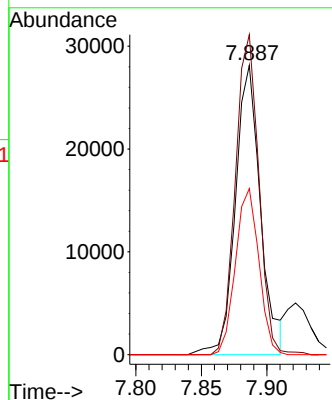
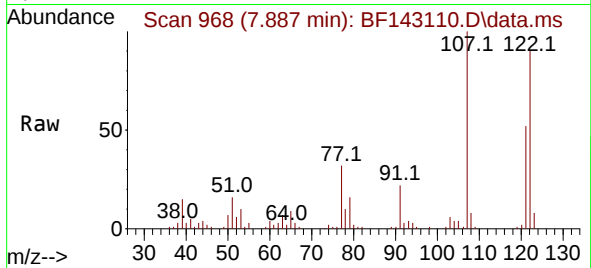




#27
2,4-Dimethylphenol
Concen: 4.098 ng
RT: 7.887 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

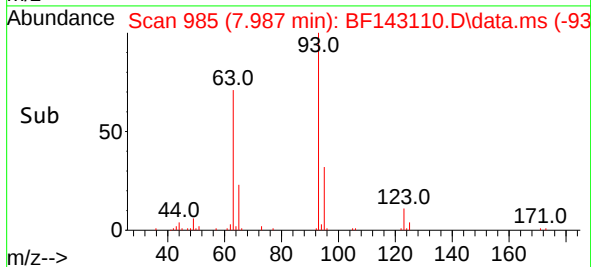
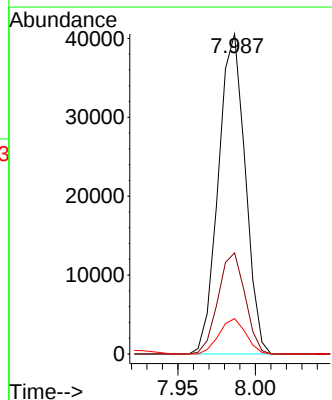
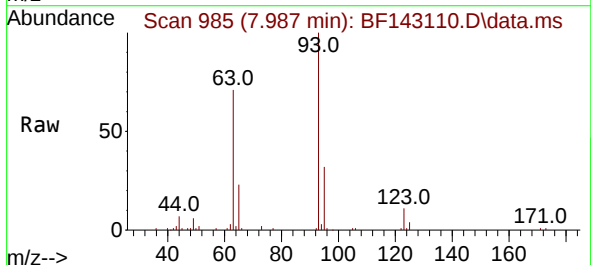
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

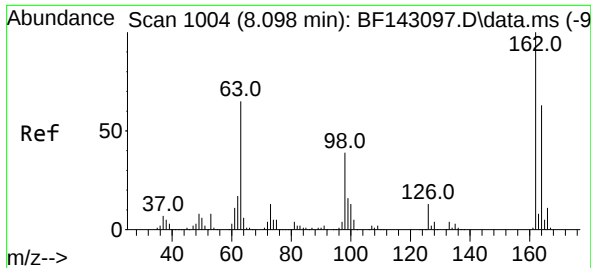
Tgt Ion:122 Resp: 37467
Ion Ratio Lower Upper
122 100
107 110.6 91.3 136.9
121 57.4 45.5 68.3



#28
bis(2-Chloroethoxy)methane
Concen: 4.091 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion: 93 Resp: 48872
Ion Ratio Lower Upper
93 100
95 31.6 26.2 39.4
123 11.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 3.933 ng

RT: 8.092 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

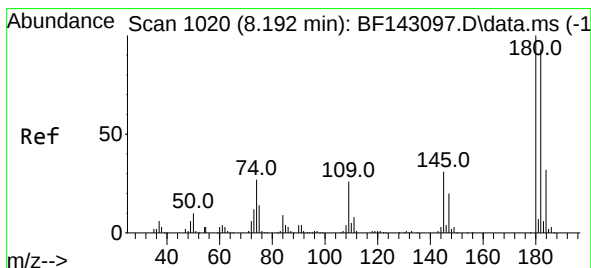
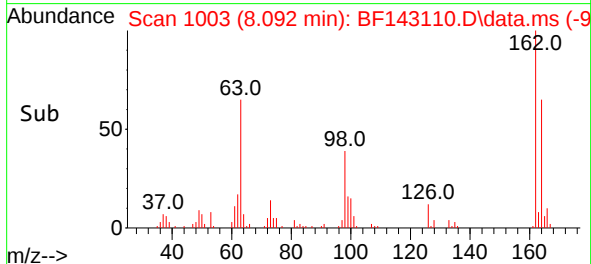
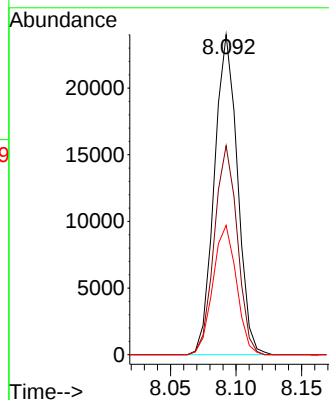
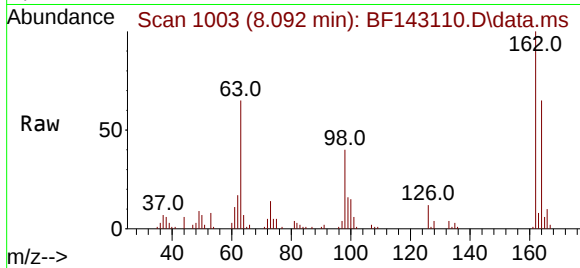
Tgt Ion:162 Resp: 29416

Ion Ratio Lower Upper

162 100

164 65.3 43.1 83.1

98 40.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 3.982 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

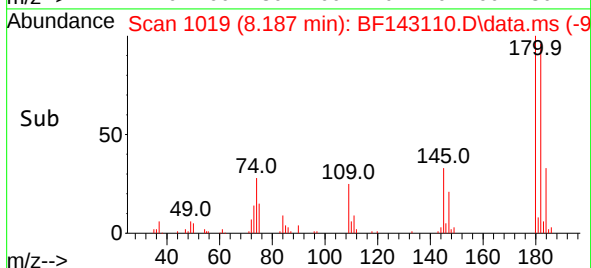
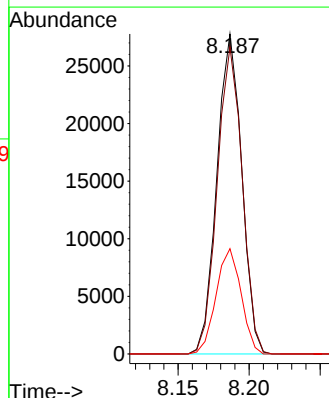
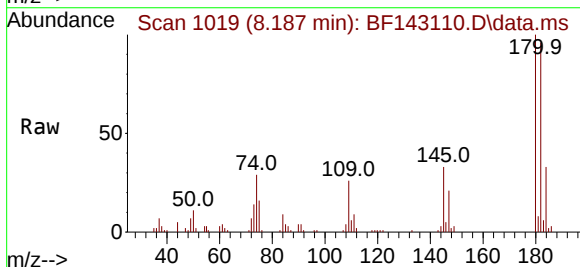
Tgt Ion:180 Resp: 33800

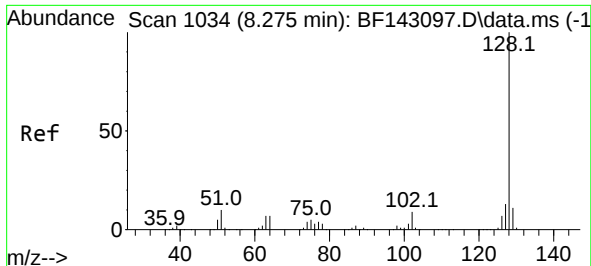
Ion Ratio Lower Upper

180 100

182 95.9 74.7 112.1

145 32.9 24.5 36.7

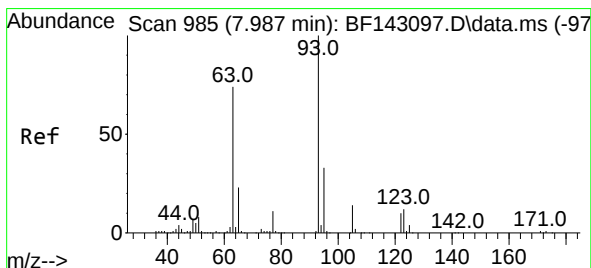
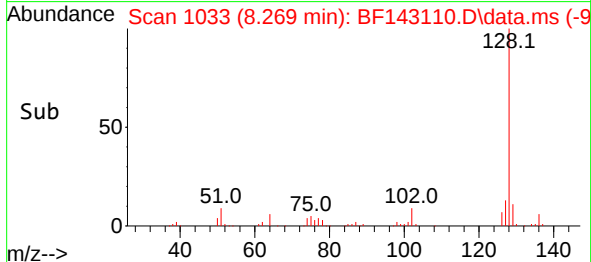
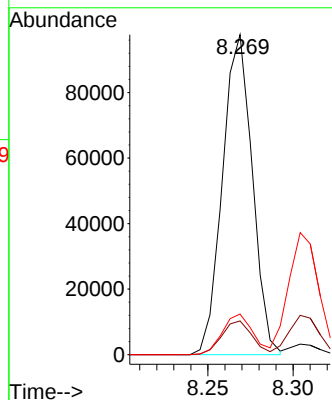
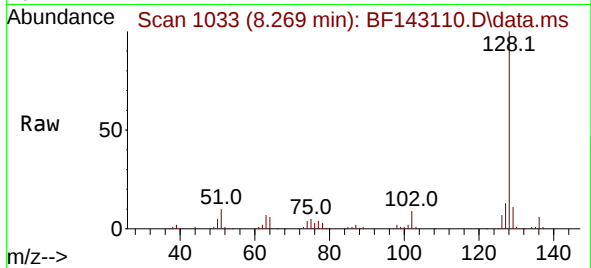




#31
Naphthalene
Concen: 4.183 ng
RT: 8.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

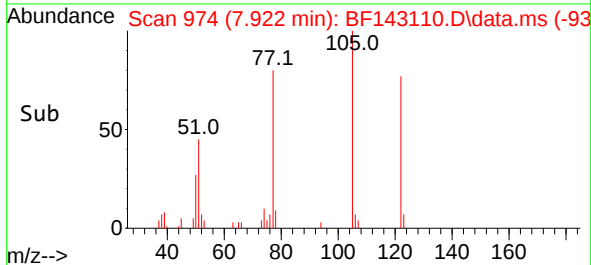
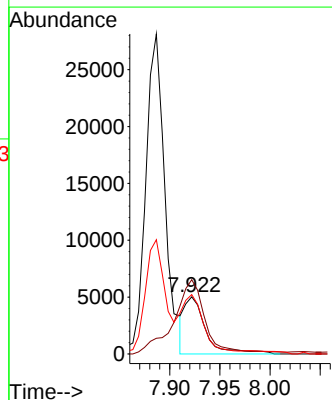
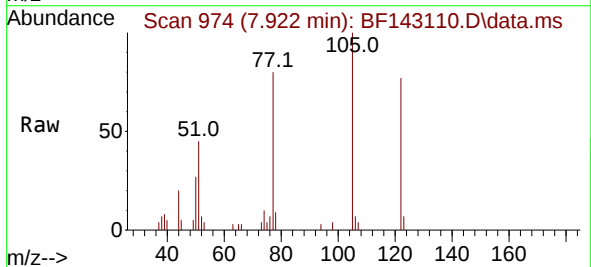
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

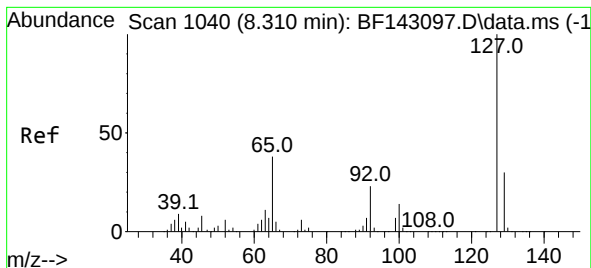
Tgt Ion:128 Resp: 118771
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 12.7 10.5 15.7



#32
Benzoic acid
Concen: 7.923 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:122 Resp: 7392
Ion Ratio Lower Upper
122 100
105 129.9 105.4 145.4
77 103.8 78.6 118.6





#33

4-Chloroaniline

Concen: 3.943 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:127 Resp: 45019

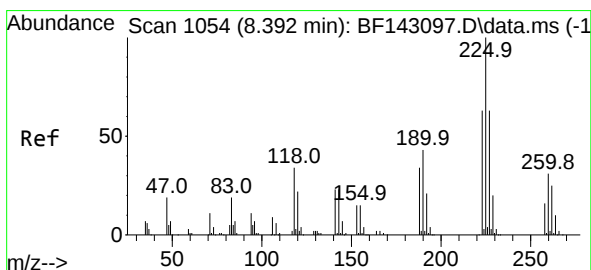
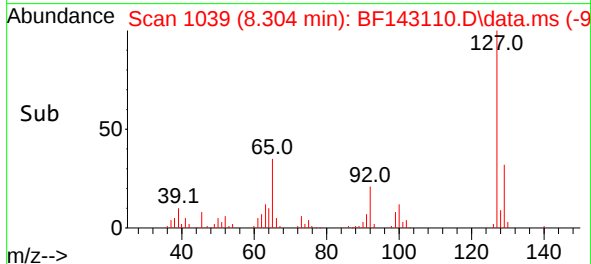
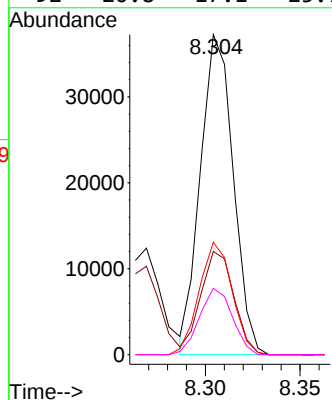
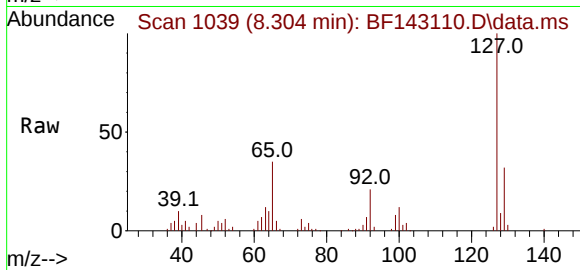
Ion Ratio Lower Upper

127 100

129 32.2 26.2 39.4

65 35.2 28.6 42.8

92 20.8 17.1 25.7



#34

Hexachlorobutadiene

Concen: 4.007 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

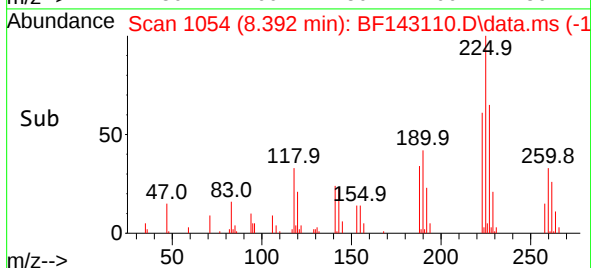
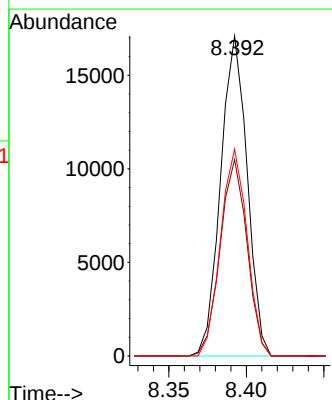
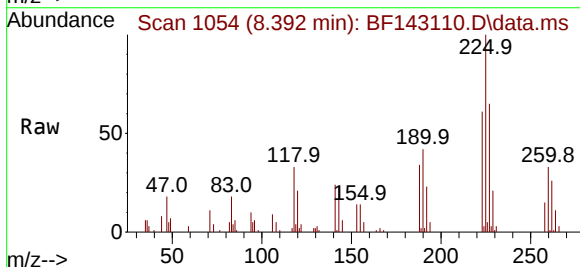
Tgt Ion:225 Resp: 20344

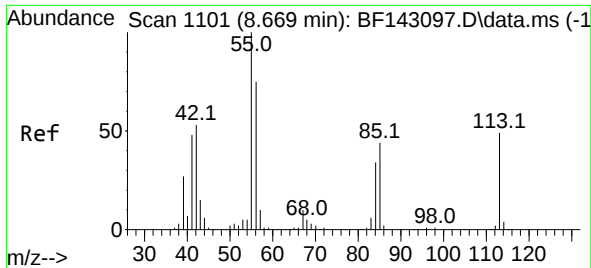
Ion Ratio Lower Upper

225 100

223 61.4 50.3 75.5

227 64.7 50.1 75.1

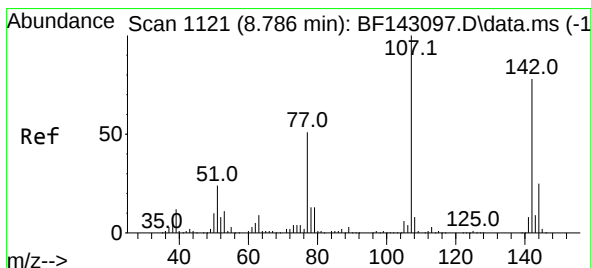
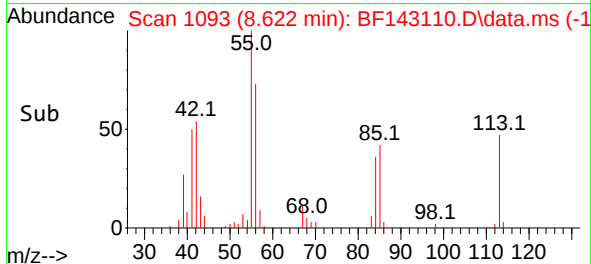
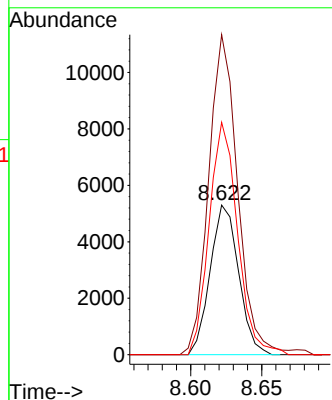
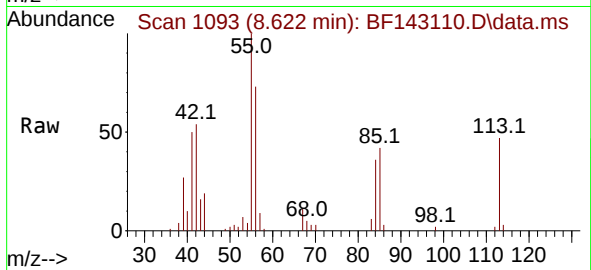




#35
 Caprolactam
 Concen: 3.165 ng
 RT: 8.622 min Scan# 1101
 Delta R.T. -0.047 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

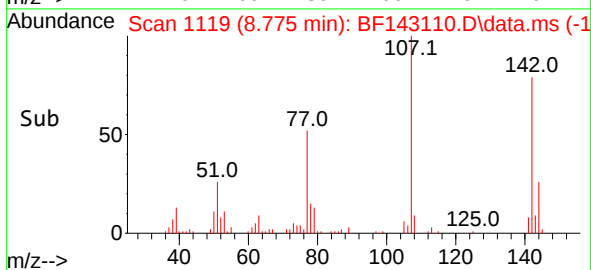
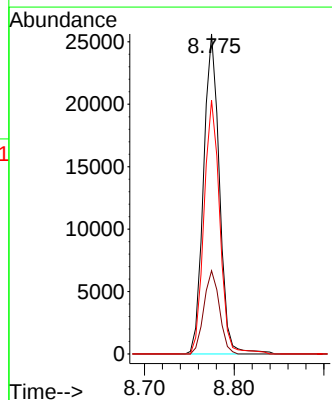
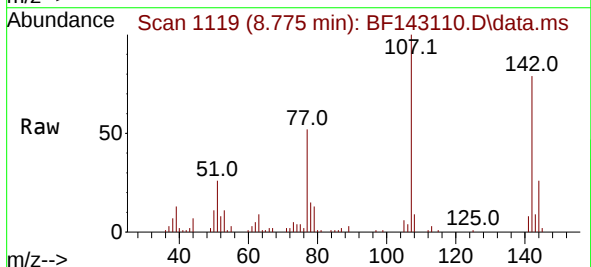
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

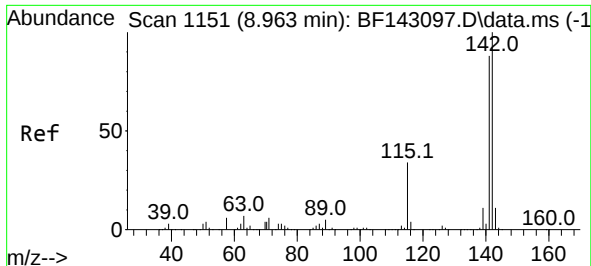
Tgt Ion:113 Resp: 7393
 Ion Ratio Lower Upper
 113 100
 55 213.9 186.2 226.2
 56 155.3 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 3.781 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.012 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

Tgt Ion:107 Resp: 31506
 Ion Ratio Lower Upper
 107 100
 144 26.0 20.2 30.2
 142 79.3 62.4 93.6





#37

2-Methylnaphthalene

Concen: 4.099 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

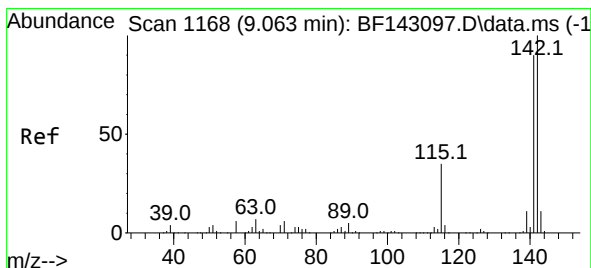
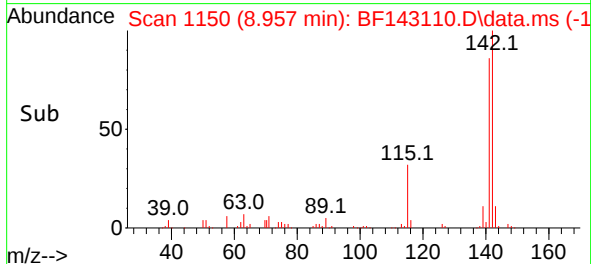
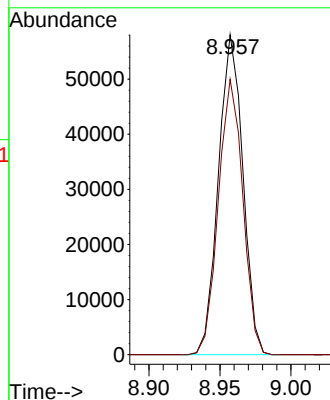
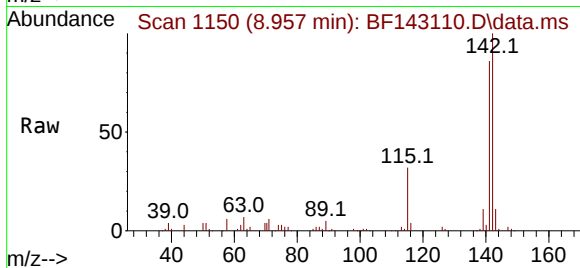
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:142 Resp: 69431

Ion Ratio Lower Upper

142 100

141 86.1 70.2 105.2



#38

1-Methylnaphthalene

Concen: 4.248 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF143110.D

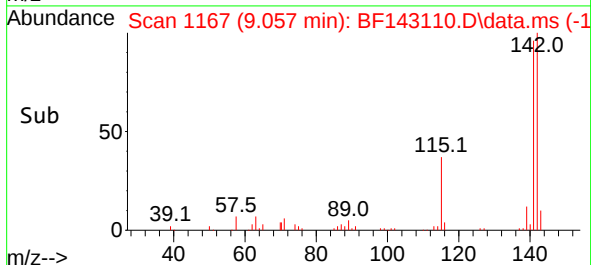
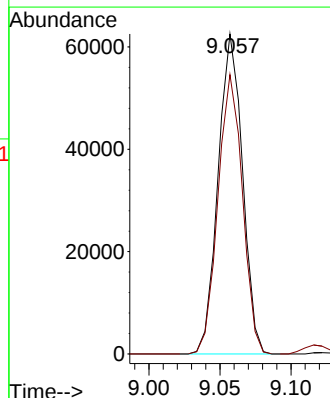
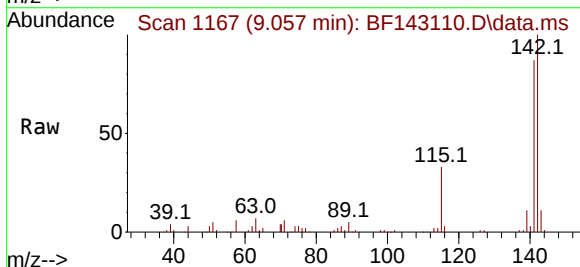
Acq: 16 Jul 2025 13:05

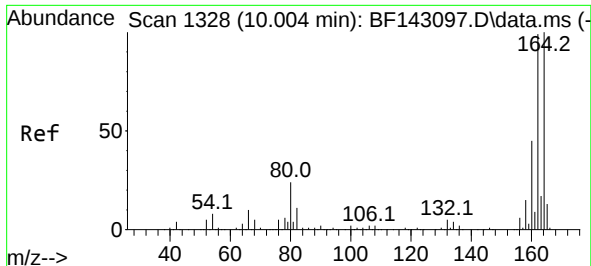
Tgt Ion:142 Resp: 74625

Ion Ratio Lower Upper

142 100

141 87.3 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

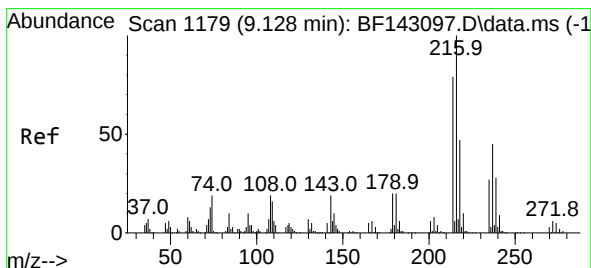
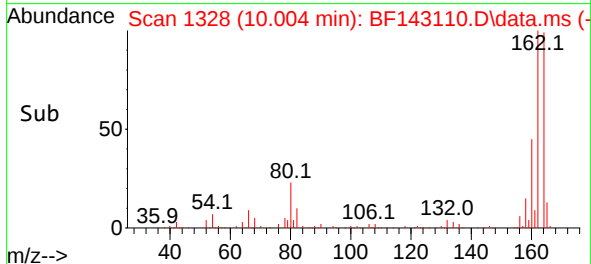
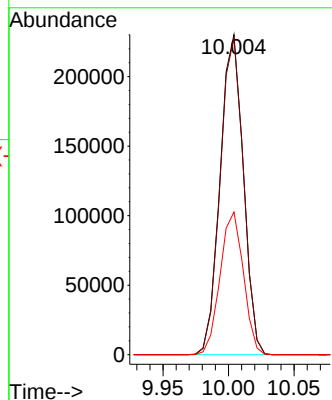
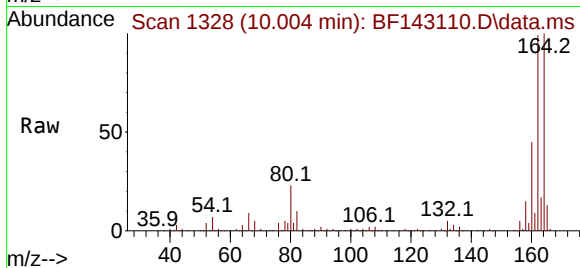
Tgt Ion:164 Resp: 283262

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 44.6 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.236 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Tgt Ion:216 Resp: 34968

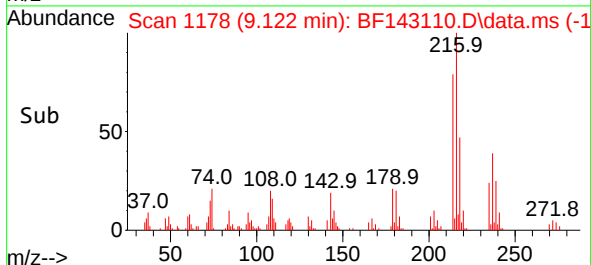
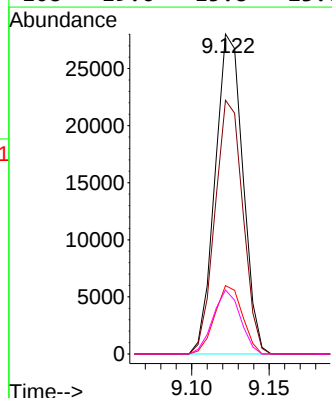
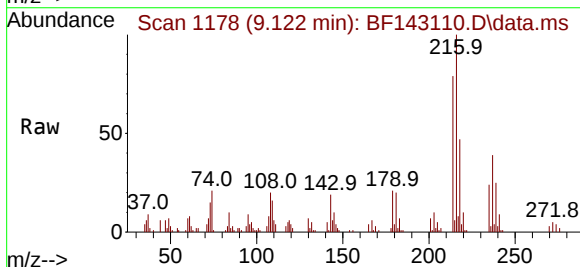
Ion Ratio Lower Upper

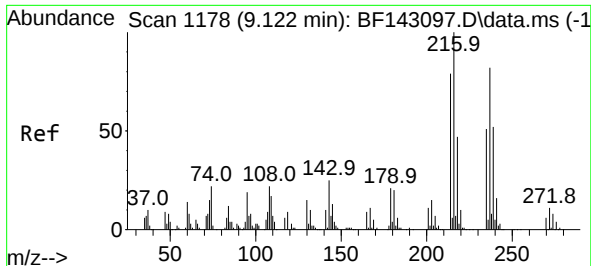
216 100

214 79.5 62.6 94.0

179 21.2 16.2 24.2

108 19.6 15.8 23.6

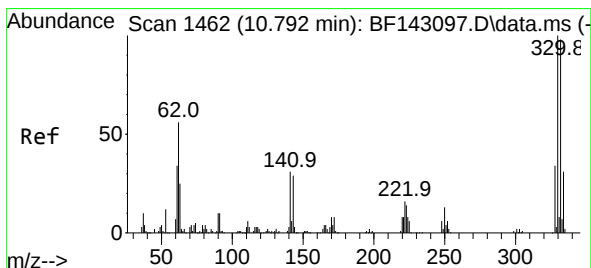
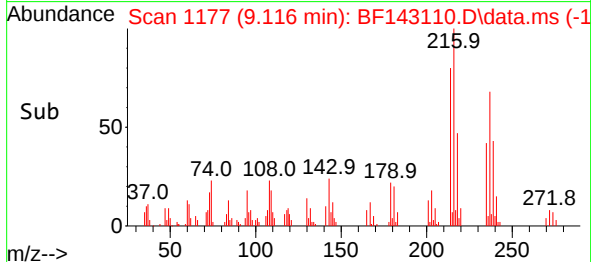
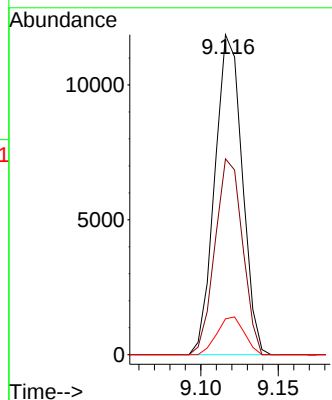
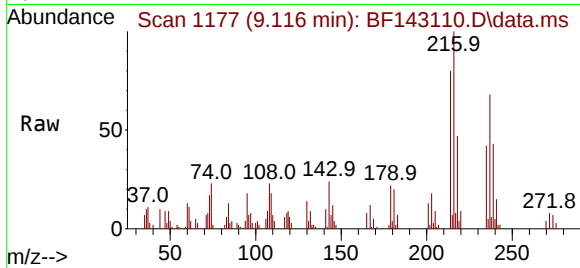




#41
Hexachlorocyclopentadiene
Concen: 3.186 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

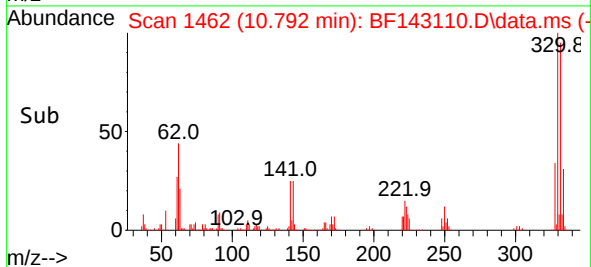
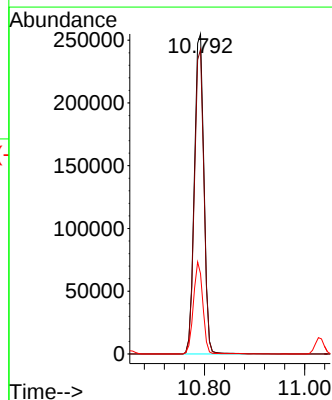
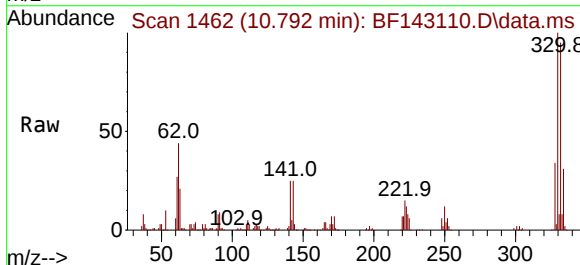
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

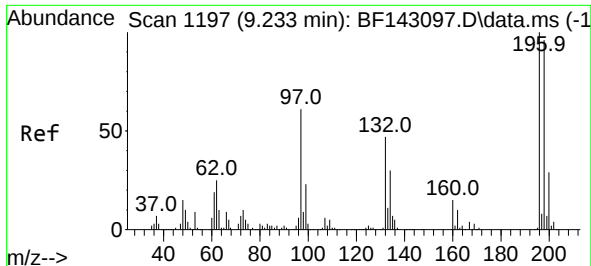
Tgt Ion:237	Resp:	14581
Ion Ratio	Lower	Upper
237	100	
235	61.2	41.6 81.6
272	11.2	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 133.020 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:330	Resp:	335971
Ion Ratio	Lower	Upper
330	100	
332	94.9	77.9 116.9
141	28.2	25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 3.735 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

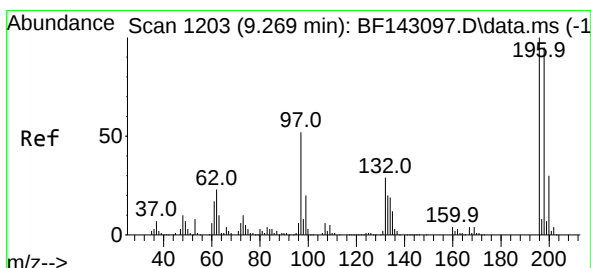
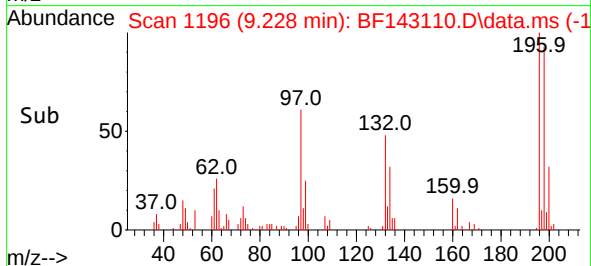
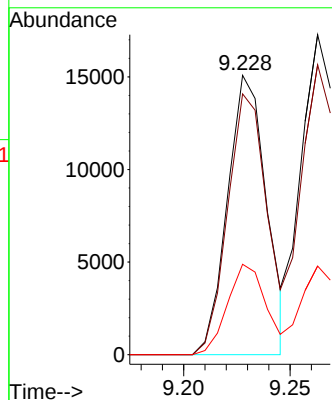
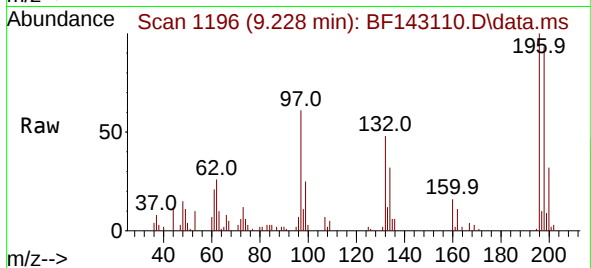
Tgt Ion:196 Resp: 19160

Ion Ratio Lower Upper

196 100

198 93.4 76.9 115.3

200 32.4 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 4.029 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Tgt Ion:196 Resp: 21668

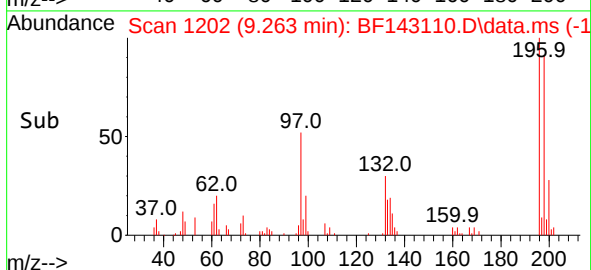
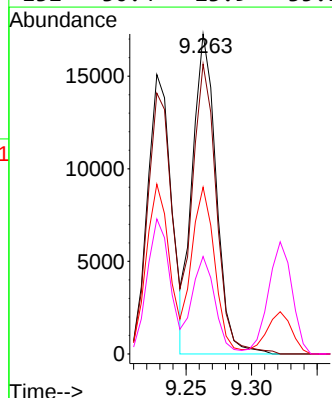
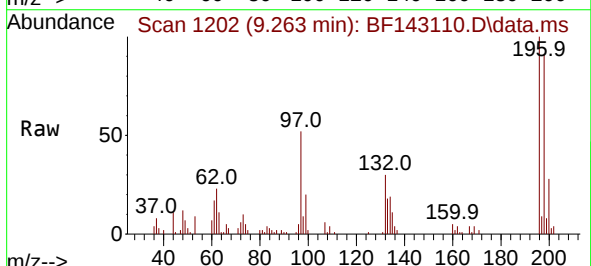
Ion Ratio Lower Upper

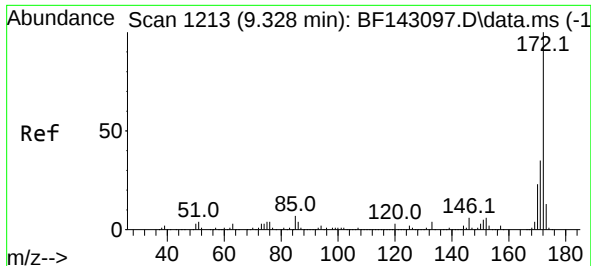
196 100

198 90.6 76.4 114.6

97 52.1 42.4 63.6

132 30.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 72.996 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

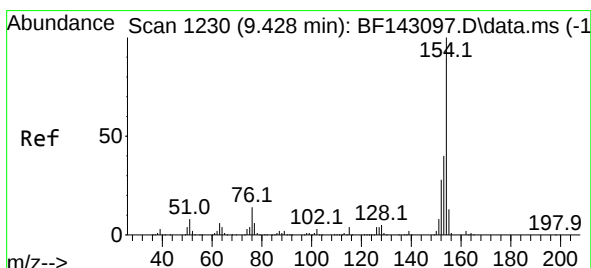
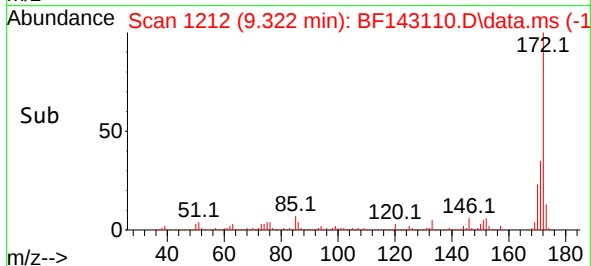
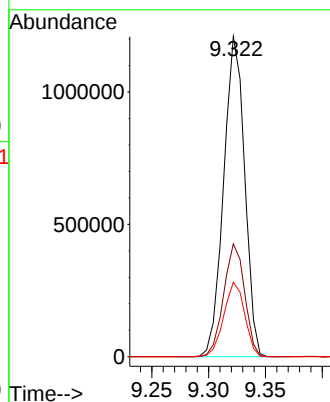
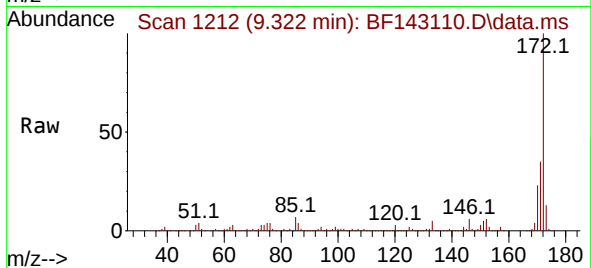
Tgt Ion:172 Resp: 1555508

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 4.254 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

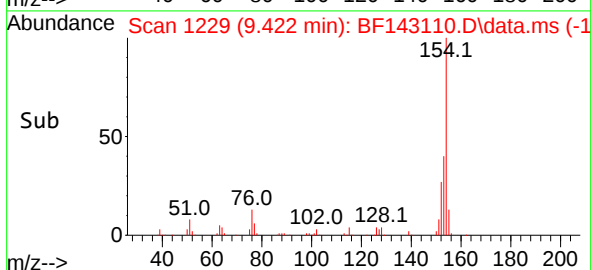
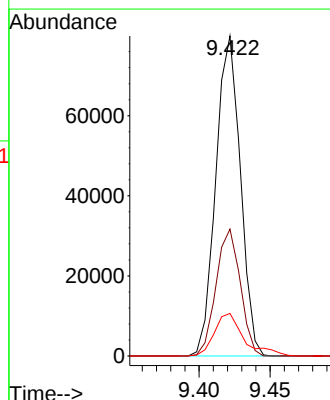
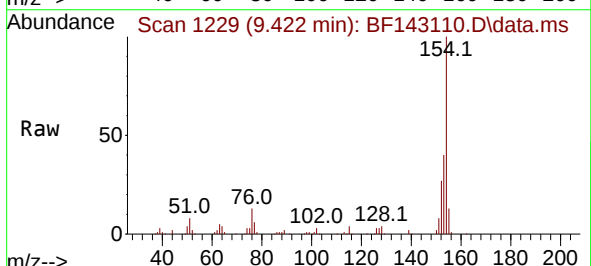
Tgt Ion:154 Resp: 96096

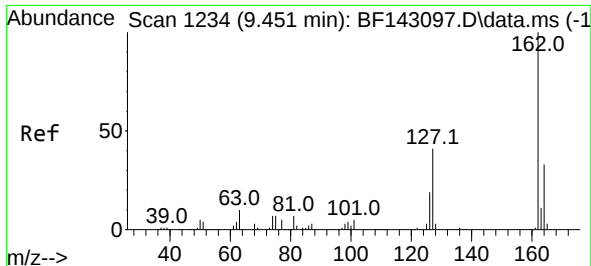
Ion Ratio Lower Upper

154 100

153 39.6 20.1 60.1

76 13.3 0.0 33.7





#47

2-Chloronaphthalene

Concen: 4.152 ng

RT: 9.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143110.D

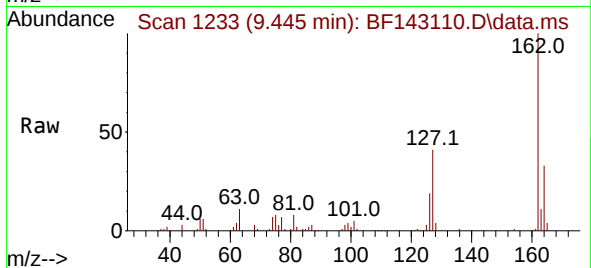
Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



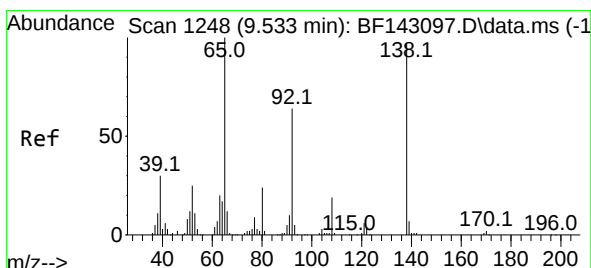
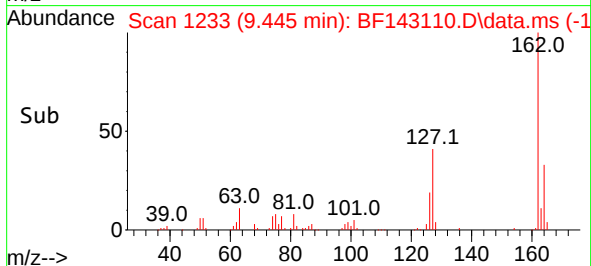
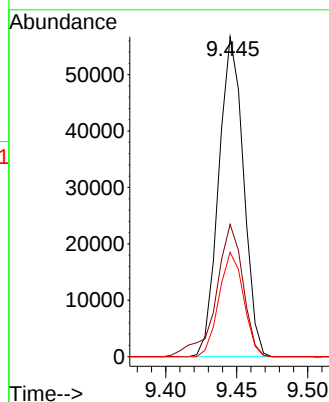
Tgt Ion:162 Resp: 68898

Ion Ratio Lower Upper

162 100

127 41.3 33.0 49.6

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 5.899 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.005 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

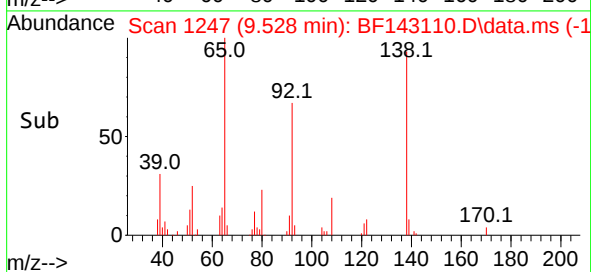
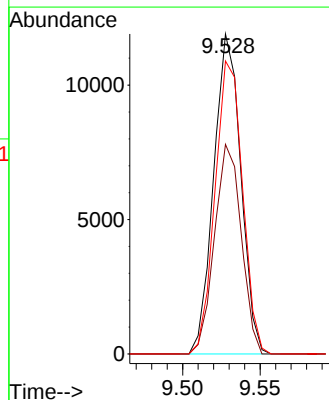
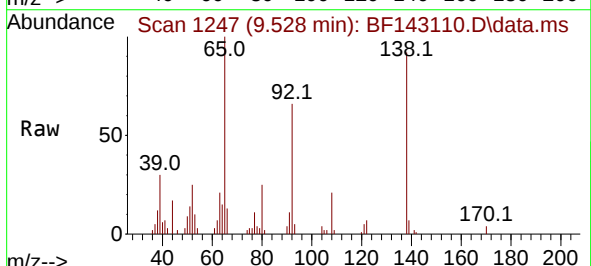
Tgt Ion: 65 Resp: 14448

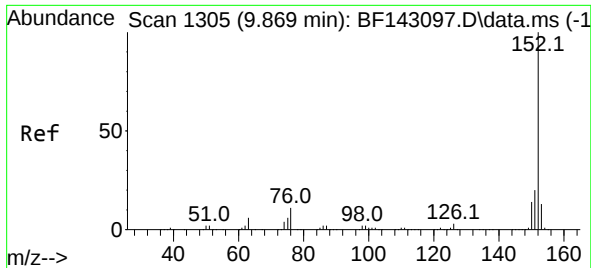
Ion Ratio Lower Upper

65 100

92 65.5 51.3 76.9

138 91.5 77.8 116.6





#49

Acenaphthylene

Concen: 4.019 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

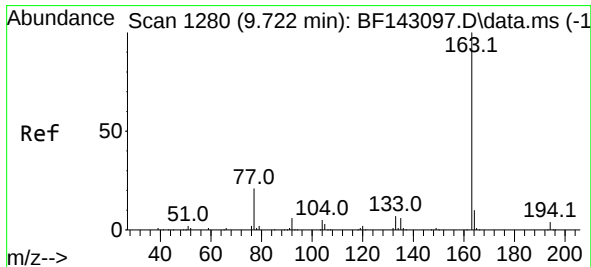
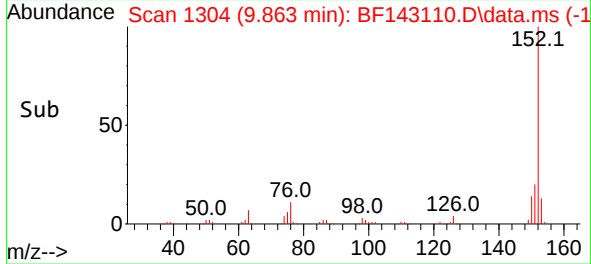
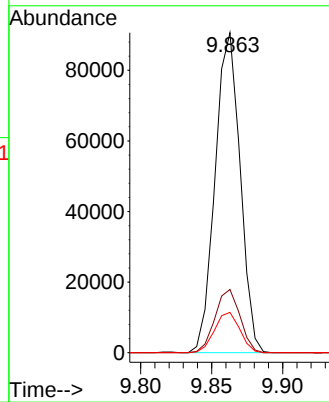
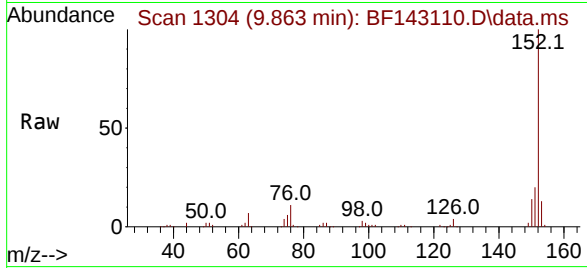
Tgt Ion:152 Resp: 111126

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

153 12.6 10.4 15.6



#50

Dimethylphthalate

Concen: 4.107 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.012 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

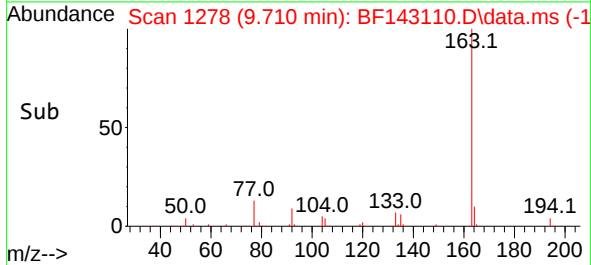
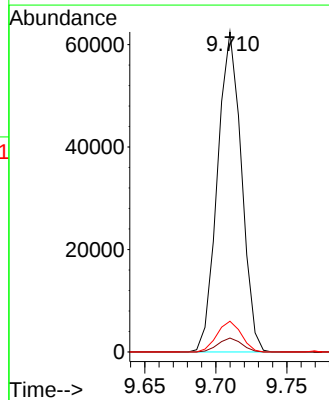
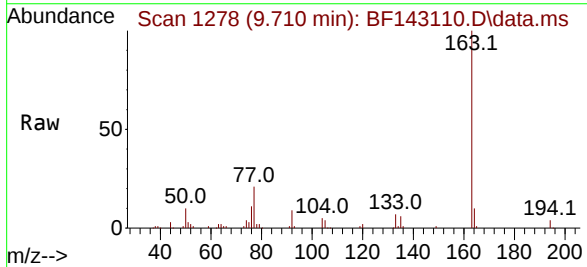
Tgt Ion:163 Resp: 73195

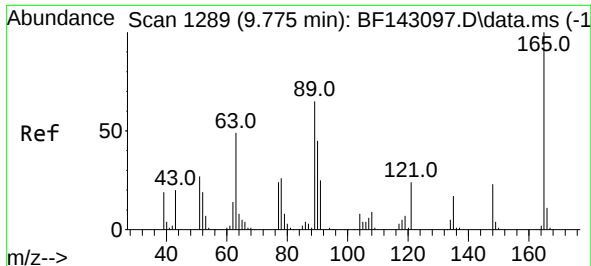
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 9.6 8.2 12.2

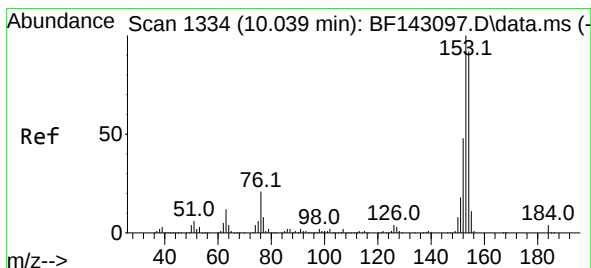
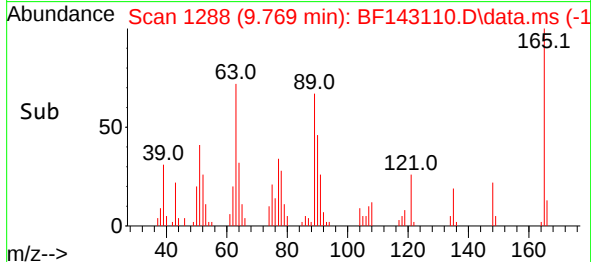
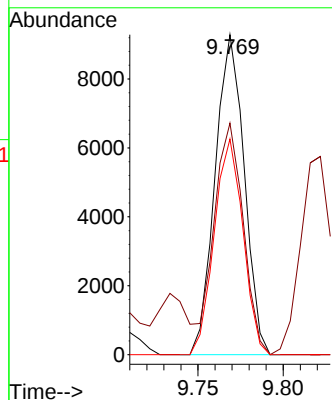
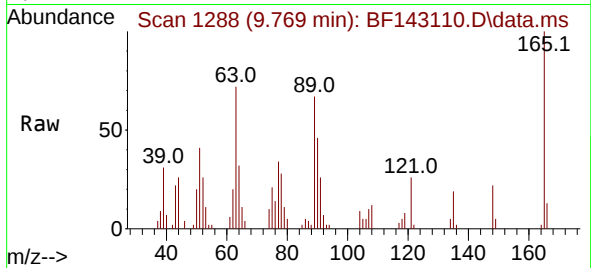




#51
2,6-Dinitrotoluene
Concen: 5.747 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

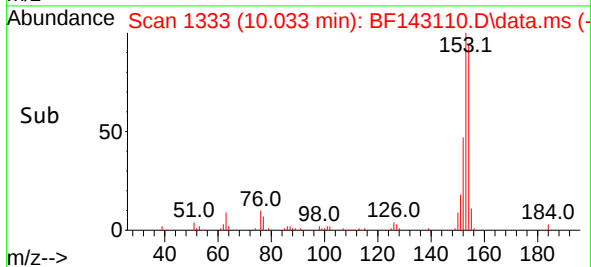
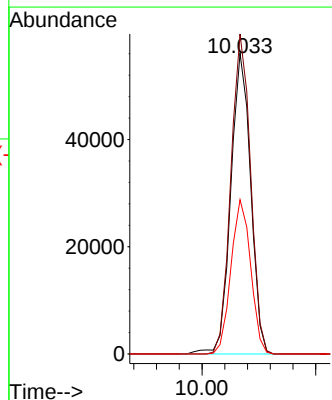
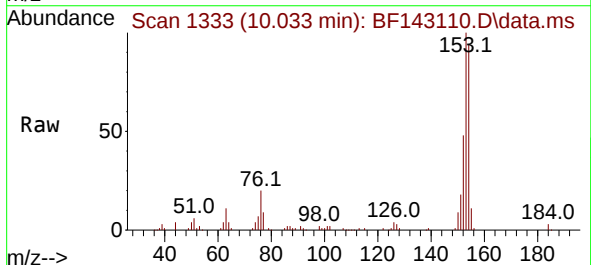
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

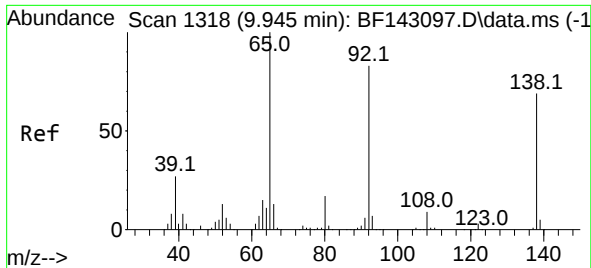
Tgt Ion:165 Resp: 11033
Ion Ratio Lower Upper
165 100
63 72.4 57.4 86.0
89 67.4 51.8 77.8



#52
Acenaphthene
Concen: 4.159 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:154 Resp: 67865
Ion Ratio Lower Upper
154 100
153 106.4 86.7 130.1
152 51.3 41.4 62.2

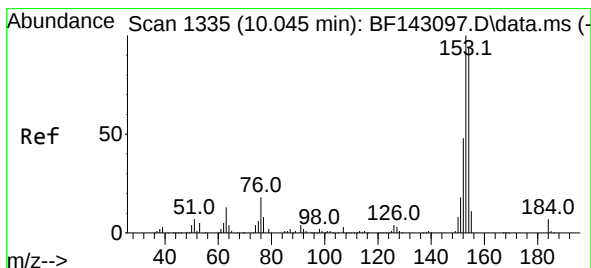
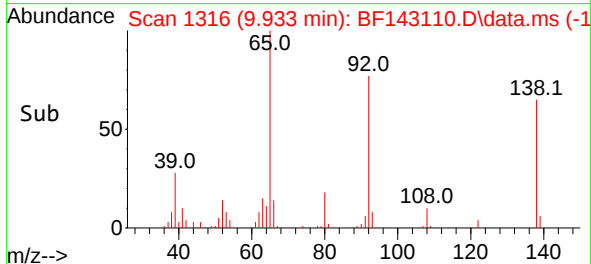
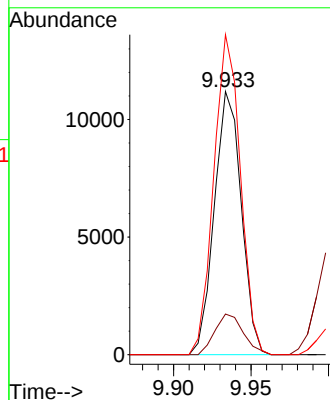
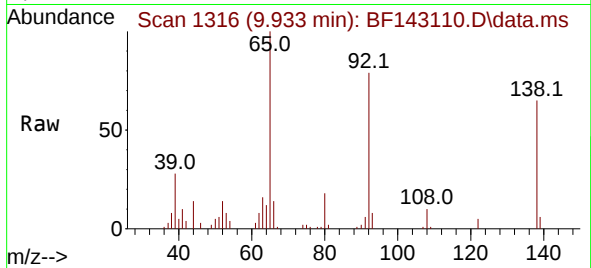




#53
3-Nitroaniline
Concen: 3.518 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

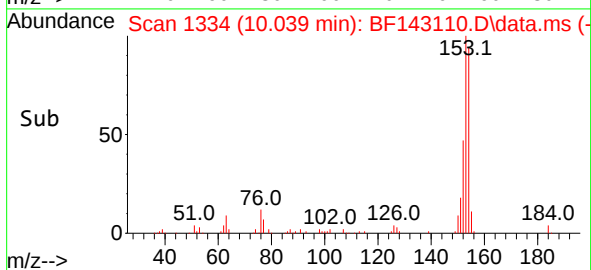
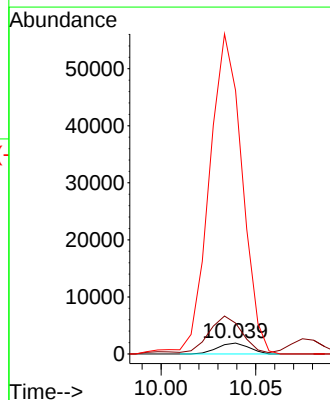
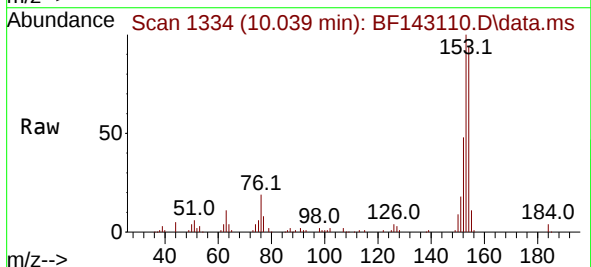
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

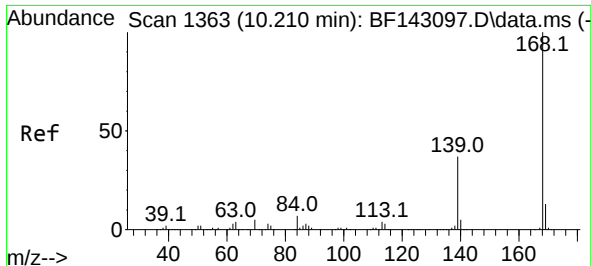
Tgt Ion:138 Resp: 13546
Ion Ratio Lower Upper
138 100
108 15.4 10.1 15.1#
92 121.6 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 7.059 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:184 Resp: 2204
Ion Ratio Lower Upper
184 100
63 284.0 149.3 223.9#
154 2427.7 1048.0 1572.0#

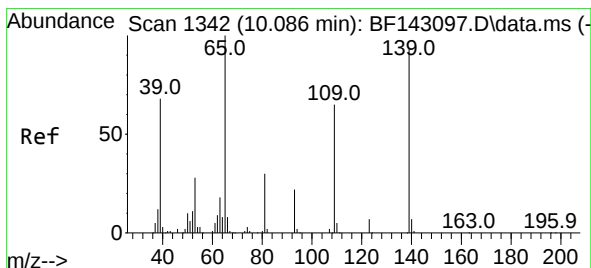
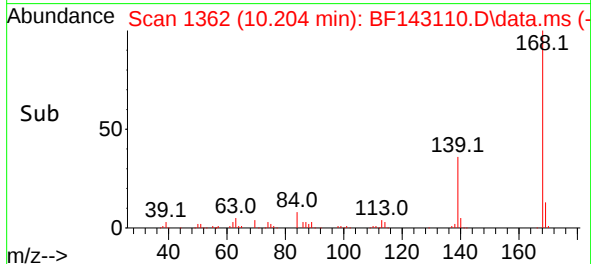
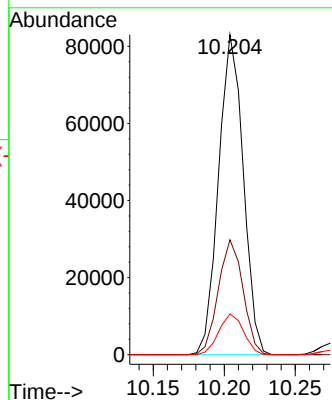
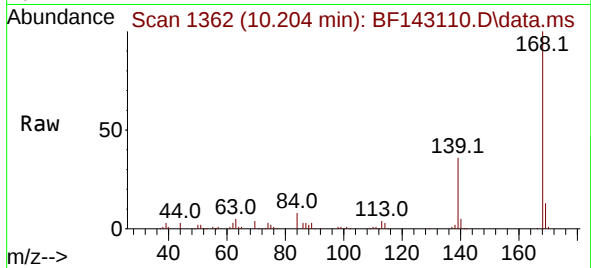




#55
Dibenzofuran
Concen: 4.124 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

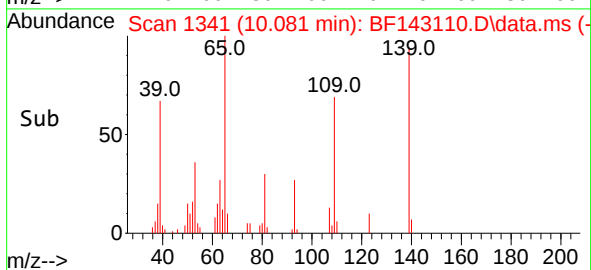
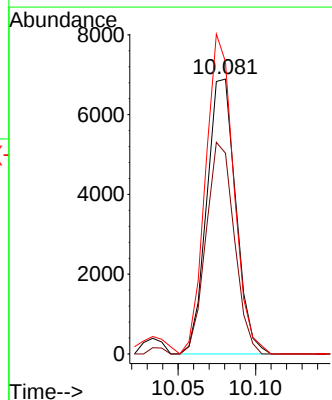
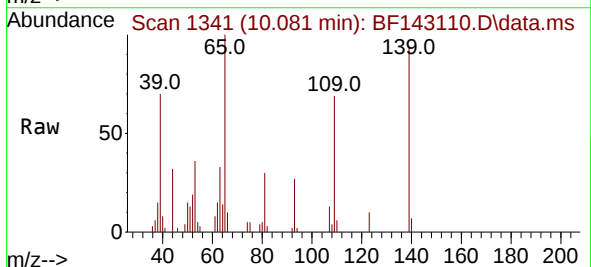
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

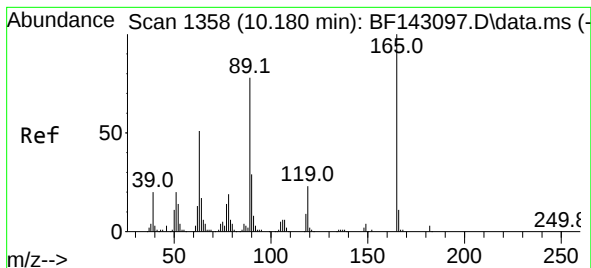
Tgt Ion:168 Resp: 100300
Ion Ratio Lower Upper
168 100
139 35.9 29.8 44.6
169 12.8 10.8 16.2



#56
4-Nitrophenol
Concen: 2.934 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:139 Resp: 8980
Ion Ratio Lower Upper
139 100
109 73.1 49.4 89.4
65 106.3 88.2 128.2

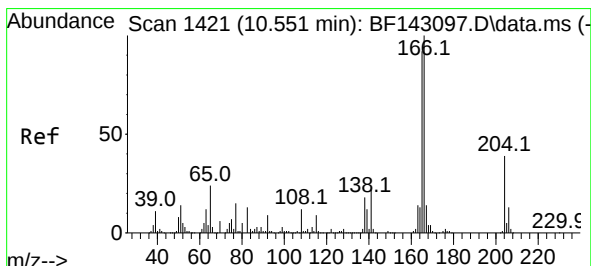
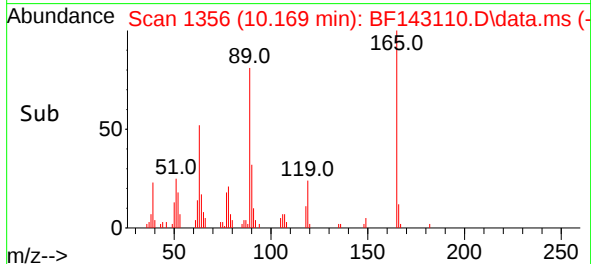
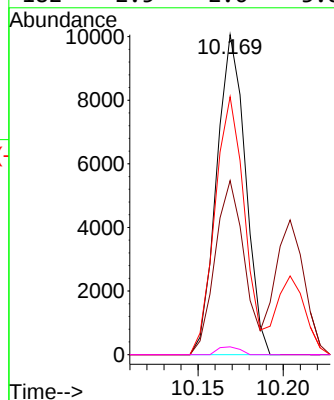
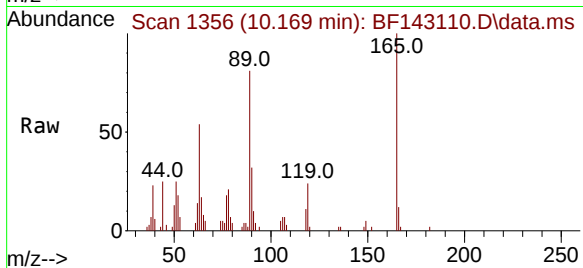




#57
2,4-Dinitrotoluene
Concen: 5.904 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

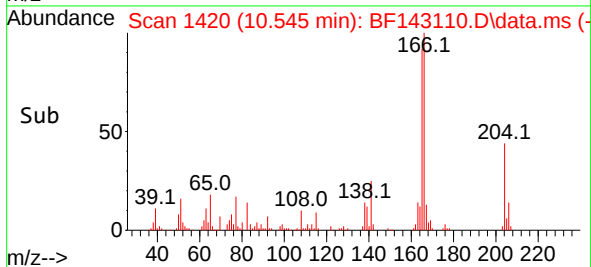
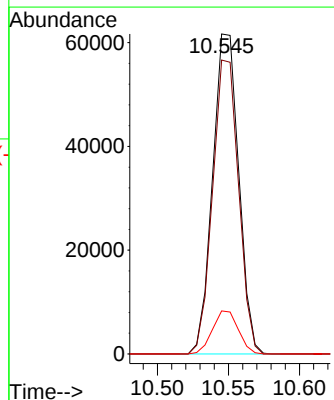
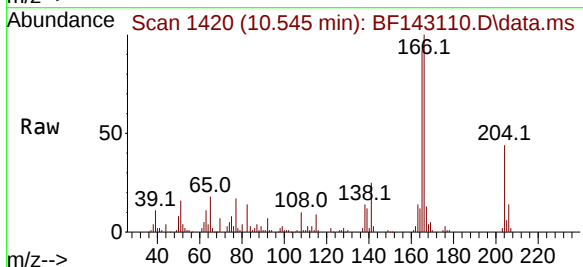
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

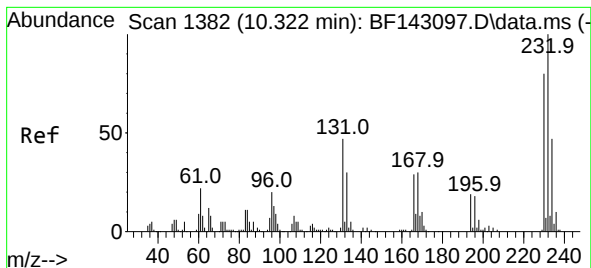
Tgt Ion:165 Resp: 11852
Ion Ratio Lower Upper
165 100
63 54.4 40.6 61.0
89 80.6 62.3 93.5
182 2.5 2.6 3.8#



#58
Fluorene
Concen: 4.318 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:166 Resp: 78748
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.5 10.9 16.3

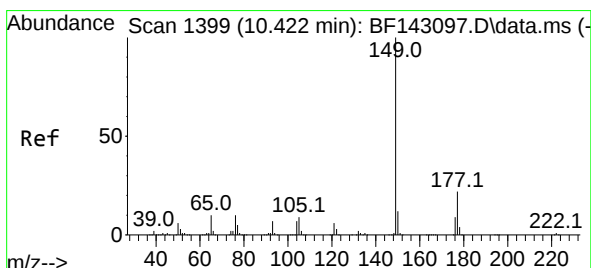
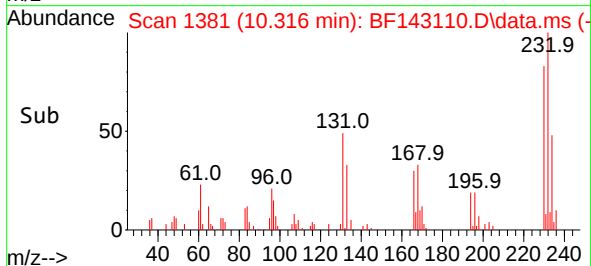
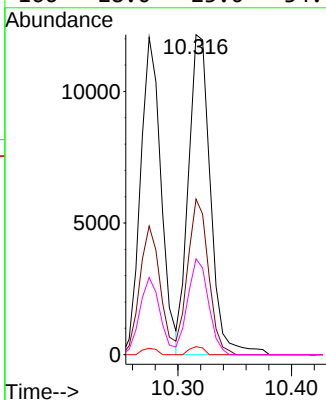
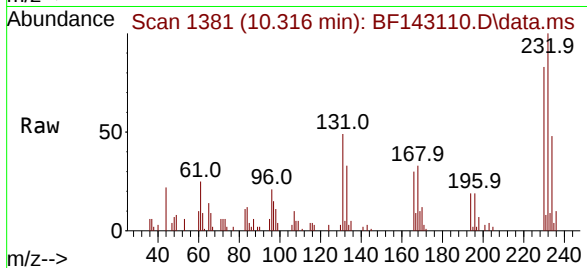




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.834 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

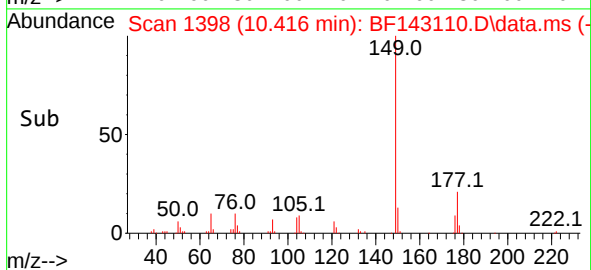
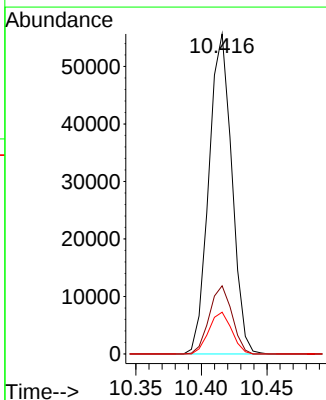
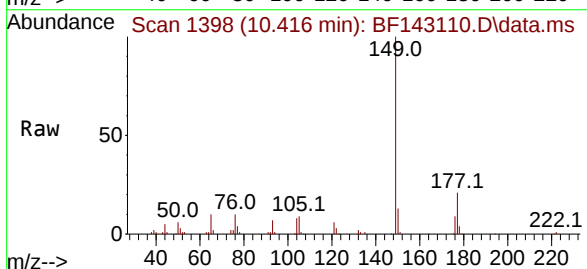
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

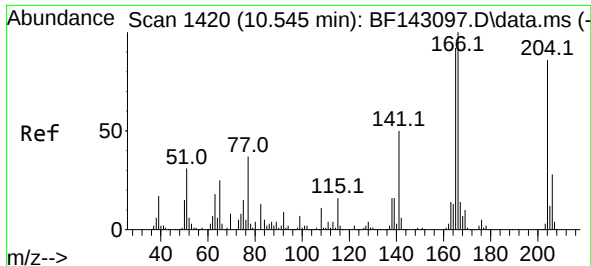
Tgt Ion:232 Resp: 16388
Ion Ratio Lower Upper
232 100
131 45.5 36.9 55.3
130 1.7 1.8 2.8#
166 28.0 23.0 34.6



#60
Diethylphthalate
Concen: 3.945 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:149 Resp: 67823
Ion Ratio Lower Upper
149 100
177 21.3 17.3 25.9
150 13.1 9.9 14.9

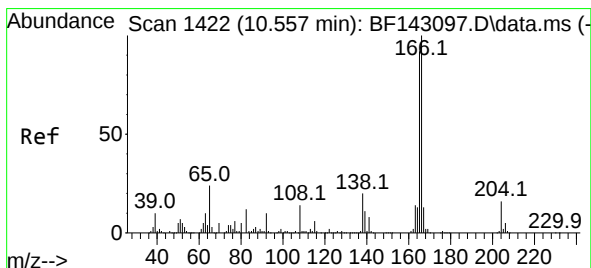
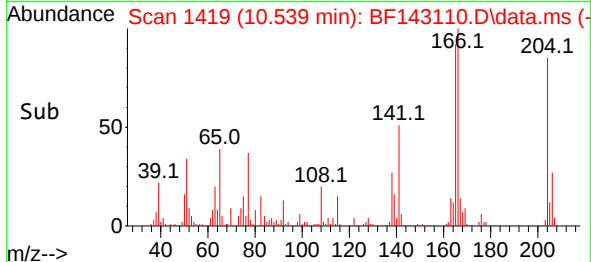
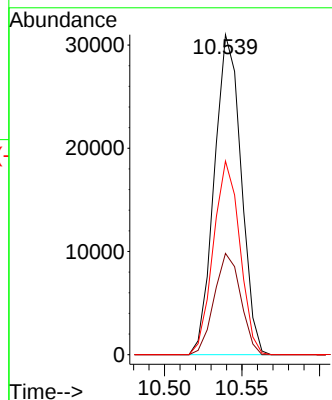
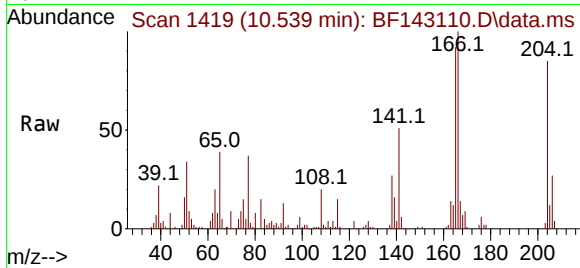




#61
4-Chlorophenyl-phenylether
Concen: 4.268 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

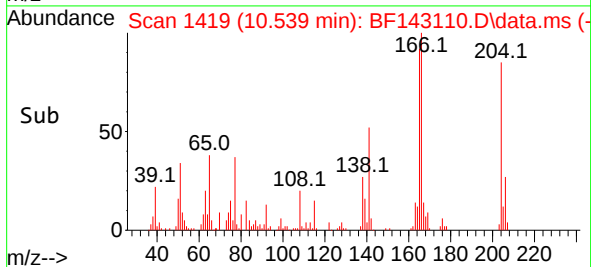
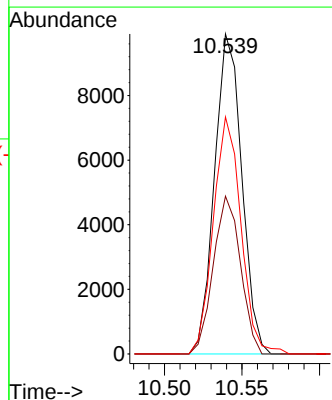
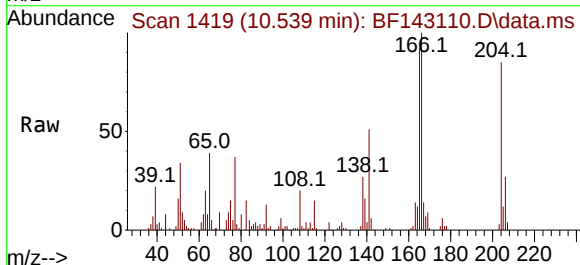
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

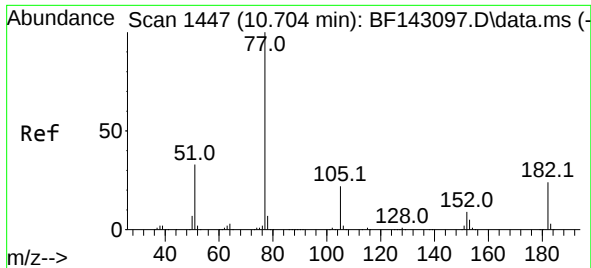
Tgt Ion:204 Resp: 37307
Ion Ratio Lower Upper
204 100
206 31.7 25.8 38.6
141 60.5 46.8 70.2



#62
4-Nitroaniline
Concen: 3.621 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:138 Resp: 12125
Ion Ratio Lower Upper
138 100
92 49.3 30.4 70.4
108 74.1 49.5 89.5

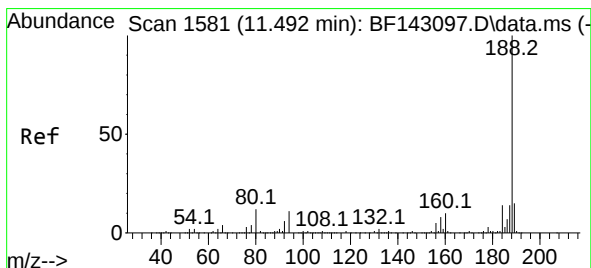
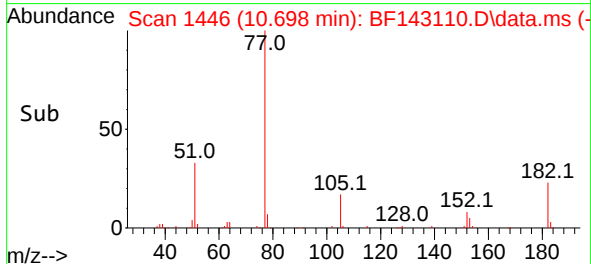
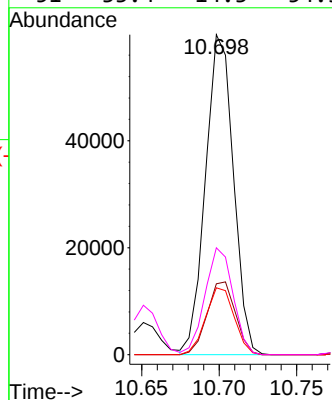
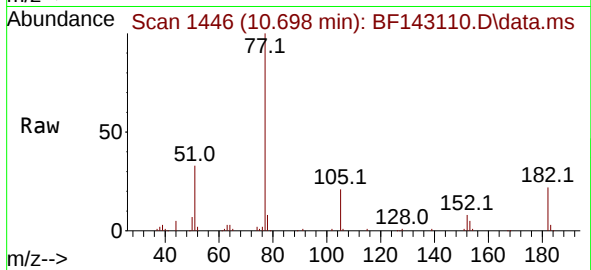




#63
Azobenzene
Concen: 3.945 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

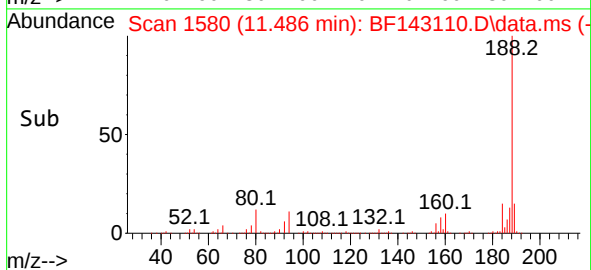
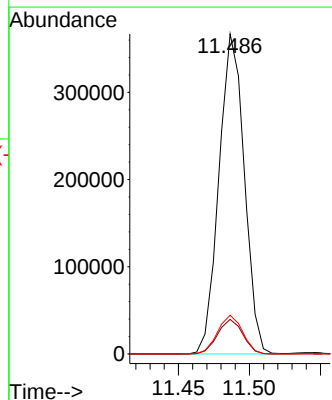
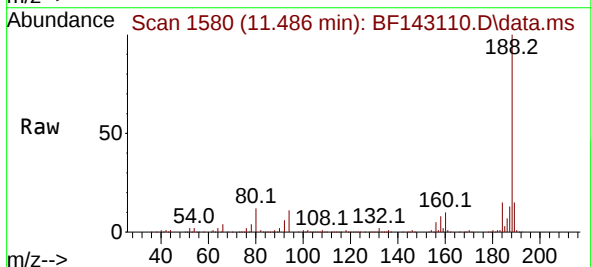
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

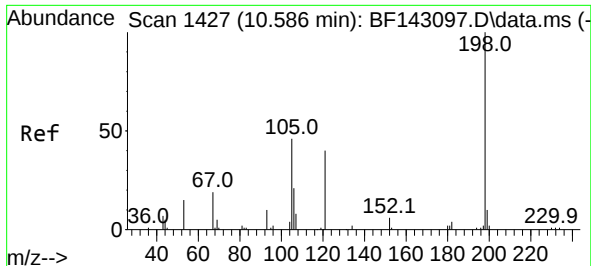
Tgt Ion: 77	Resp: 75014
Ion Ratio	Lower Upper
77 100	
182 22.1	4.0 44.0
105 20.9	1.4 41.4
51 33.4	14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:188	Resp: 454952
Ion Ratio	Lower Upper
188 100	
94 10.8	8.6 13.0
80 12.1	9.3 13.9

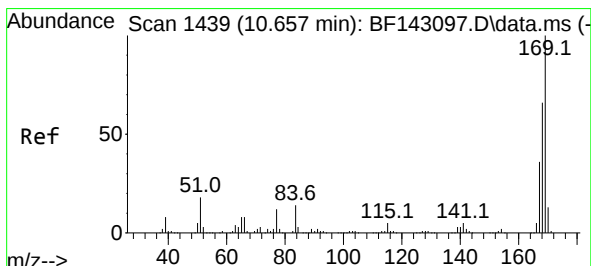
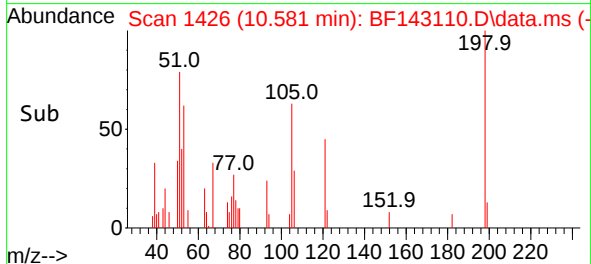
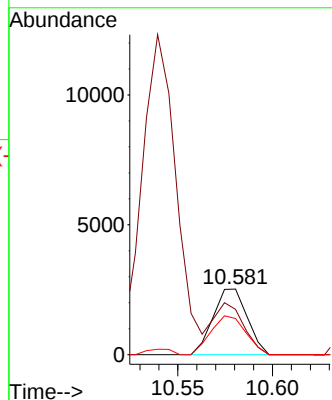
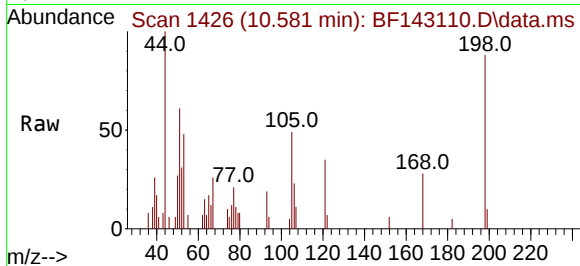




#65
4,6-Dinitro-2-methylphenol
Concen: 7.420 ng
RT: 10.581 min Scan# 1427
Delta R.T. -0.005 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

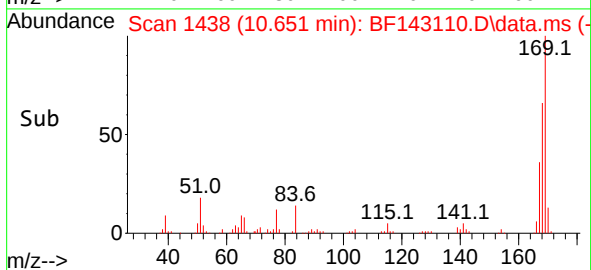
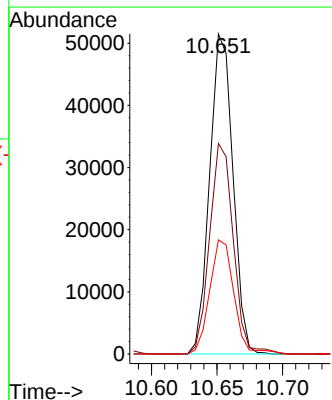
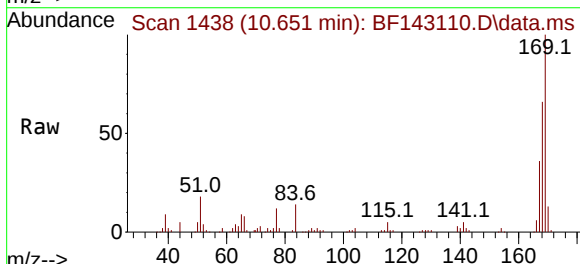
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

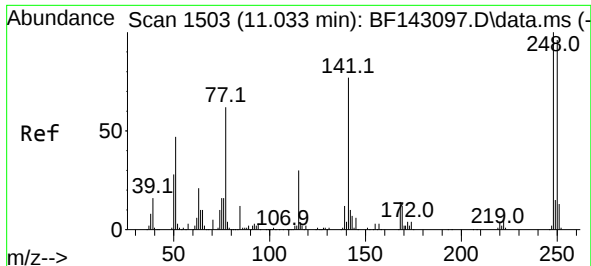
Tgt Ion:198 Resp: 3160
Ion Ratio Lower Upper
198 100
51 69.1 44.6 84.6
105 55.0 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 3.979 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:169 Resp: 63582
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.6
167 35.6 28.4 42.6





#67

4-Bromophenyl-phenylether

Concen: 3.929 ng

RT: 11.033 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

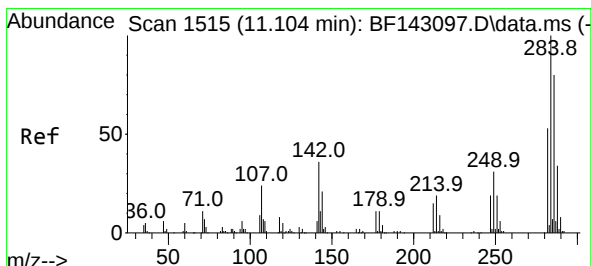
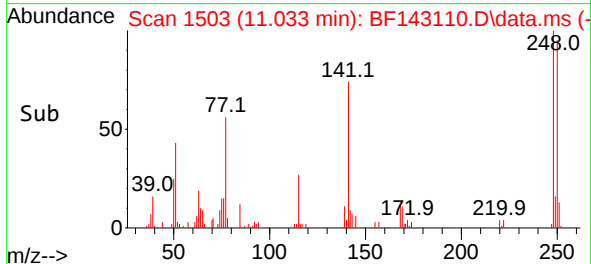
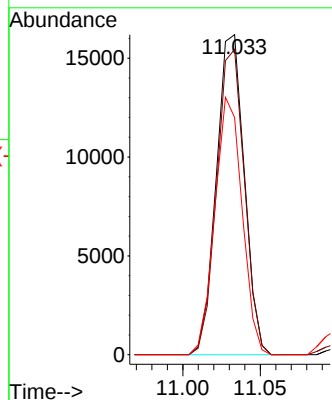
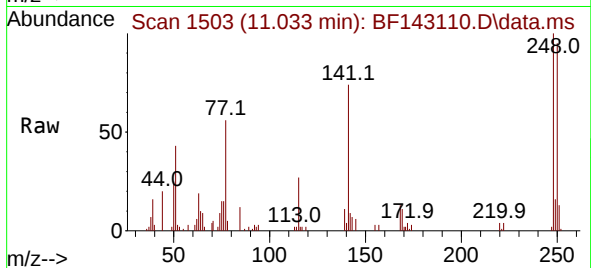
Tgt Ion:248 Resp: 20327

Ion Ratio Lower Upper

248 100

250 95.4 76.7 115.1

141 74.1 61.7 92.5



#68

Hexachlorobenzene

Concen: 3.989 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

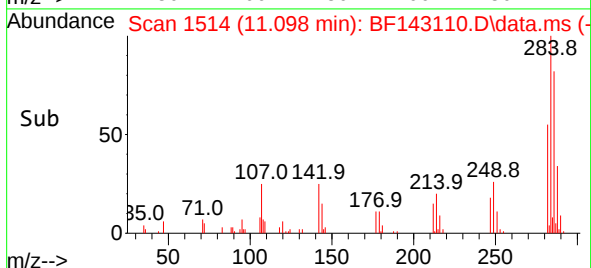
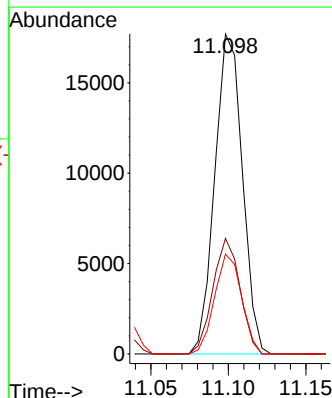
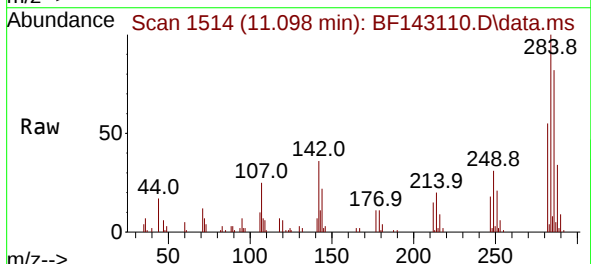
Tgt Ion:284 Resp: 21900

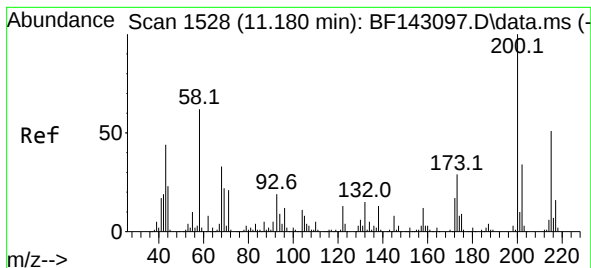
Ion Ratio Lower Upper

284 100

142 36.1 28.9 43.3

249 31.2 24.6 37.0





#69

Atrazine

Concen: 3.602 ng

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

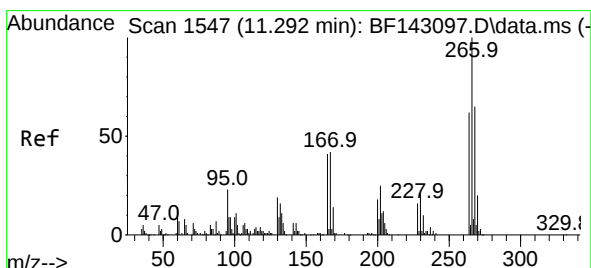
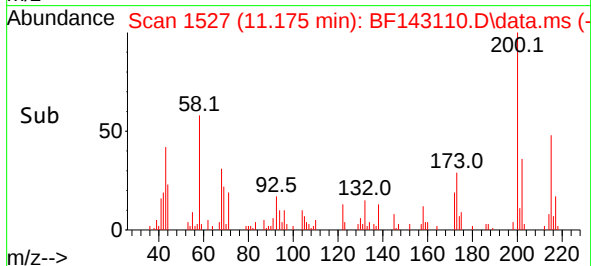
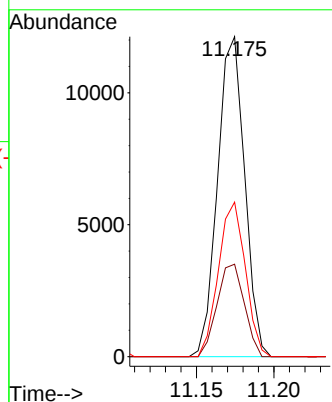
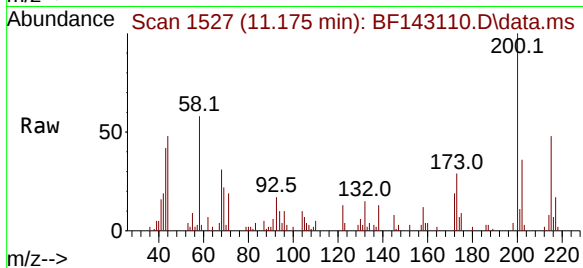
Tgt Ion:200 Resp: 14728

Ion Ratio Lower Upper

200 100

173 28.9 9.1 49.1

215 48.3 31.0 71.0



#70

Pentachlorophenol

Concen: 3.095 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

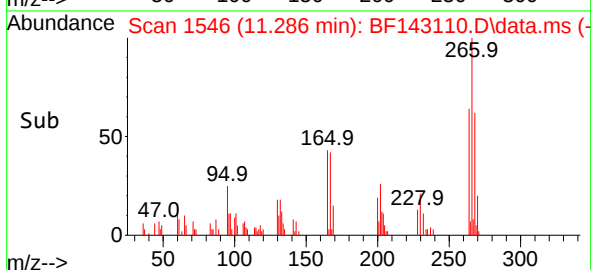
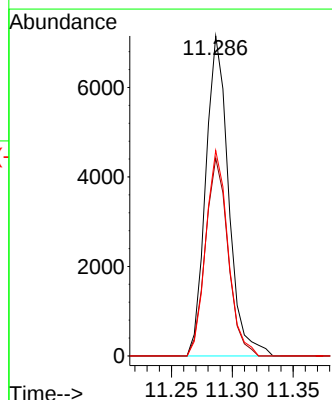
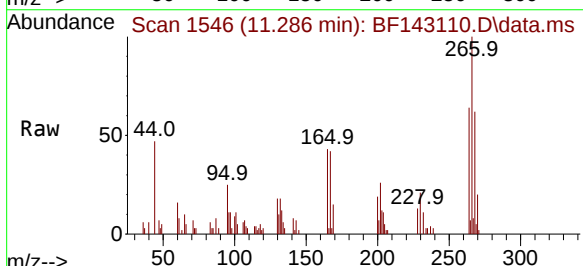
Tgt Ion:266 Resp: 9323

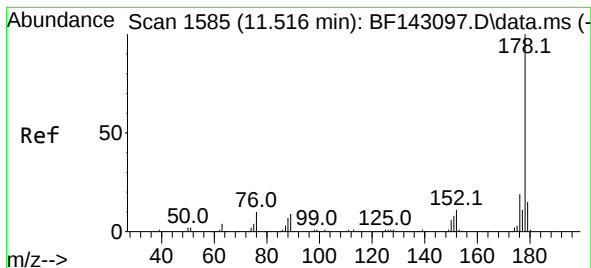
Ion Ratio Lower Upper

266 100

268 61.8 51.8 77.6

264 64.2 49.7 74.5





#71

Phenanthrene

Concen: 4.133 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

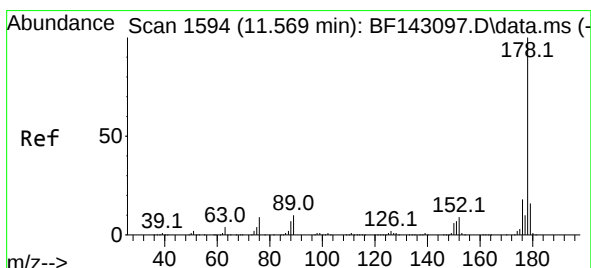
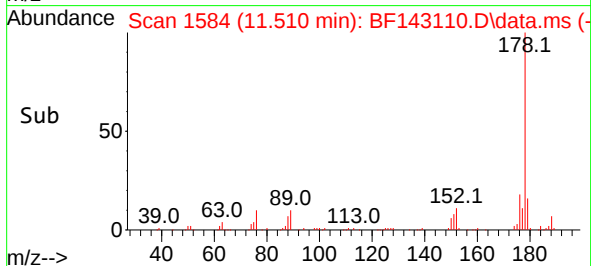
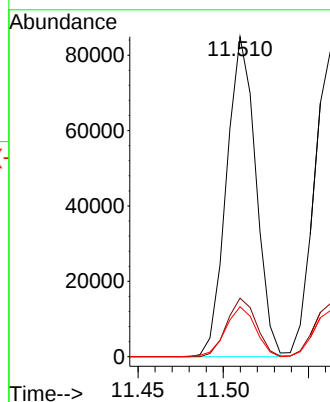
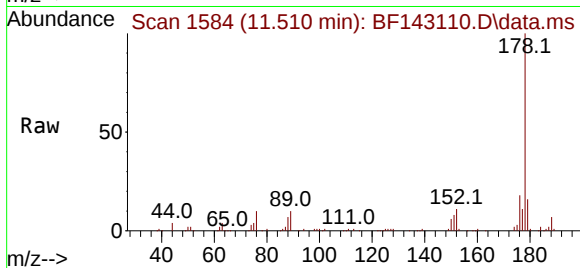
Tgt Ion:178 Resp: 101477

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 15.6 12.2 18.4



#72

Anthracene

Concen: 3.993 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

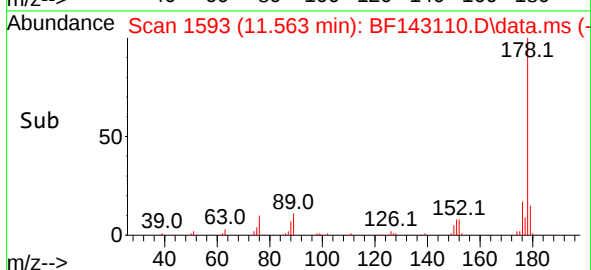
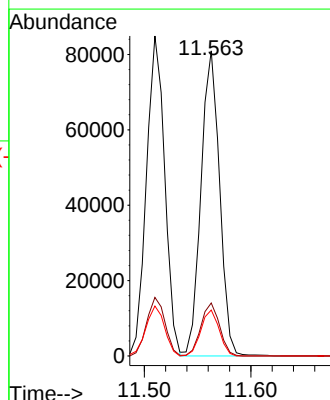
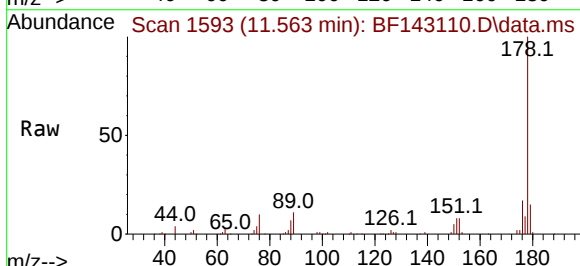
Tgt Ion:178 Resp: 98582

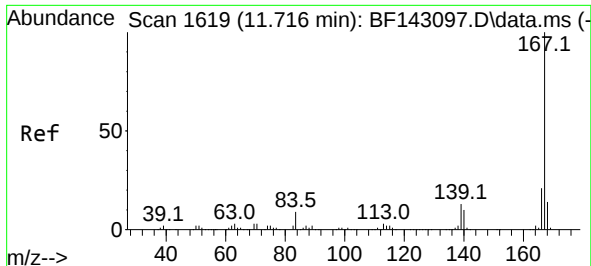
Ion Ratio Lower Upper

178 100

176 17.3 14.7 22.1

179 15.1 12.4 18.6

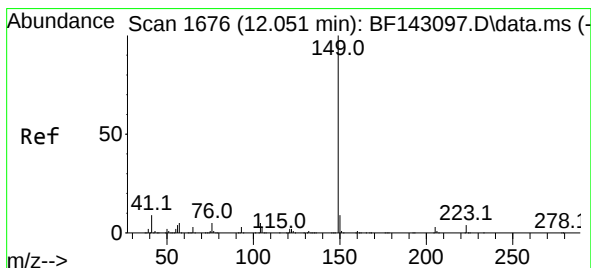
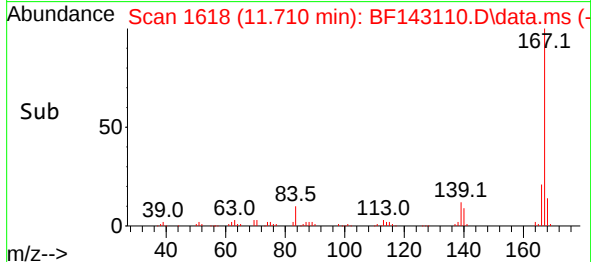
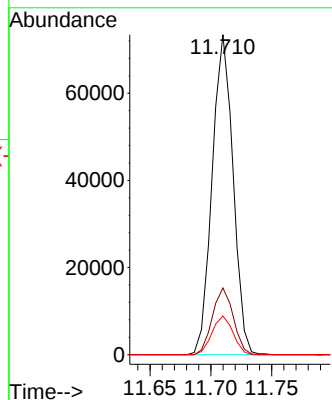
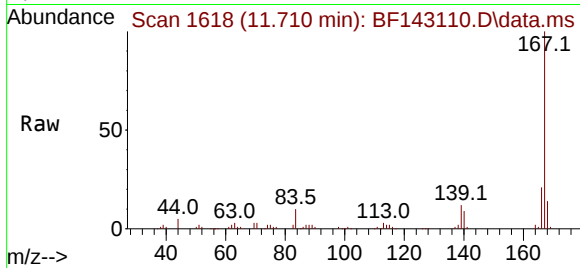




#73
 Carbazole
 Concen: 3.967 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

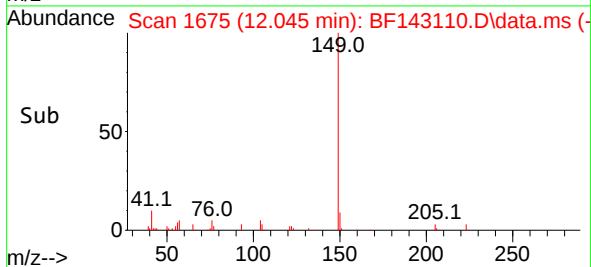
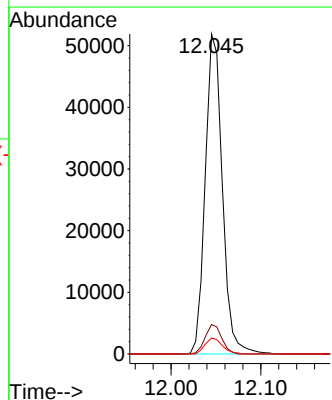
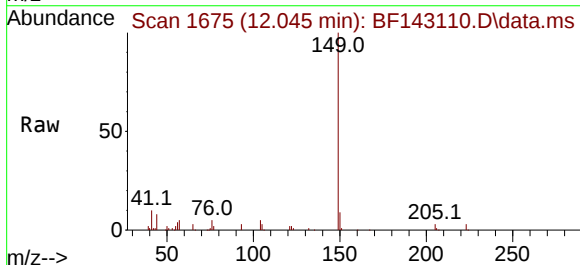
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

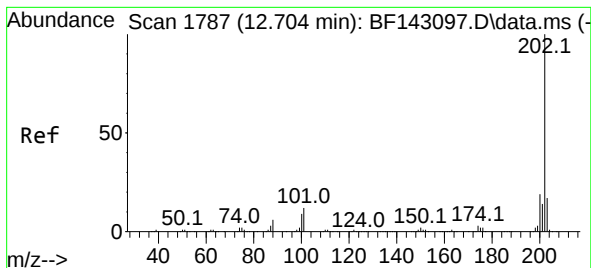
Tgt Ion:167	Resp:	87757
Ion Ratio	Lower	Upper
167	100	
166	20.9	17.0 25.4
139	12.1	10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 3.385 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. -0.006 min
 Lab File: BF143110.D
 Acq: 16 Jul 2025 13:05

Tgt Ion:149	Resp:	68727
Ion Ratio	Lower	Upper
149	100	
150	9.2	7.3 10.9
104	4.9	3.8 5.8





#75

Fluoranthene

Concen: 3.787 ng

RT: 12.698 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

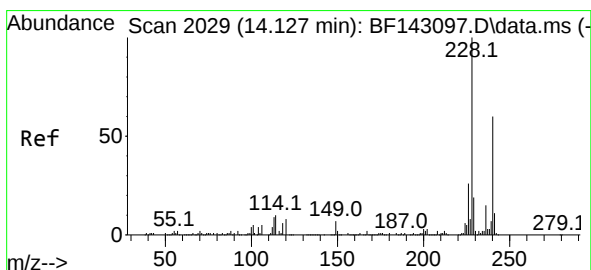
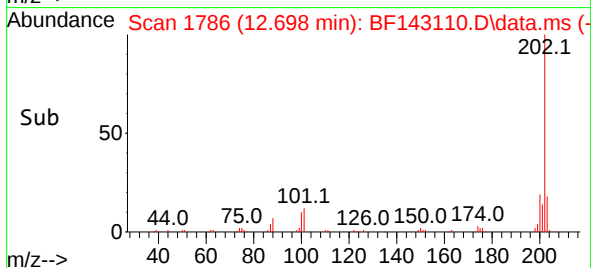
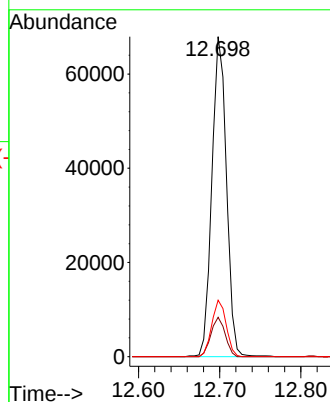
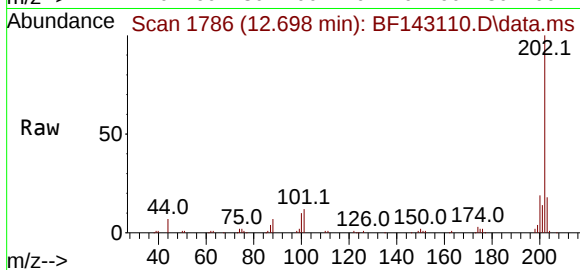
Tgt Ion:202 Resp: 84552

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

203 17.6 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: BF143110.D

Acq: 16 Jul 2025 13:05

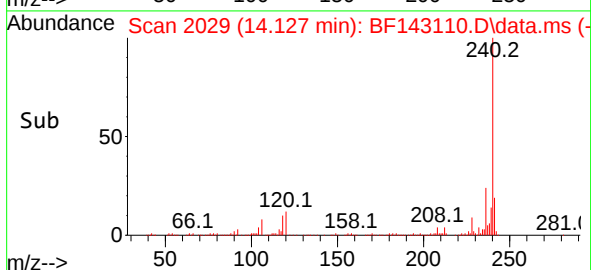
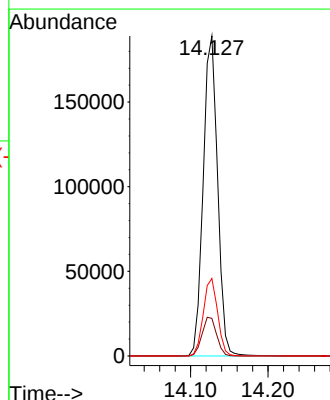
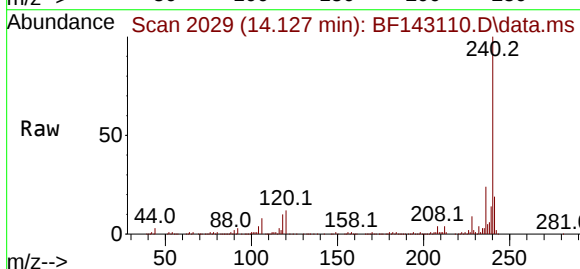
Tgt Ion:240 Resp: 243248

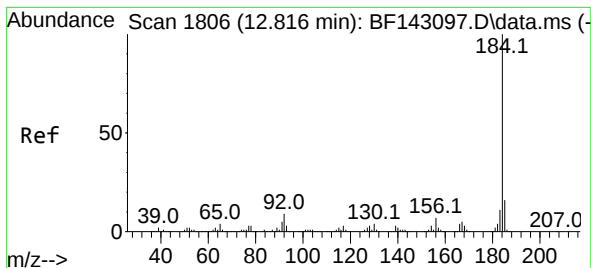
Ion Ratio Lower Upper

240 100

120 11.7 10.0 15.0

236 24.2 20.0 30.0





#77

Benzidine

Concen: 3.122 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

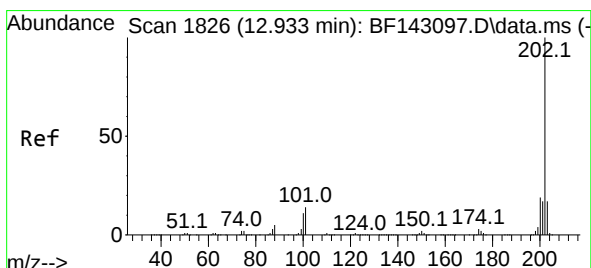
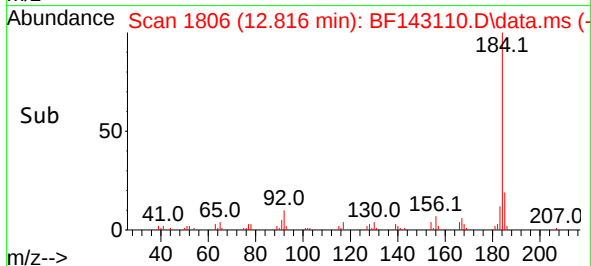
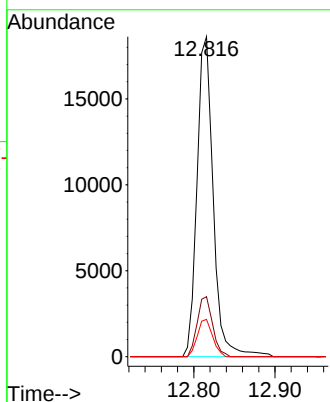
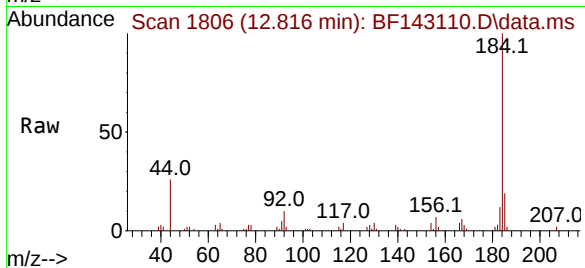
Tgt Ion:184 Resp: 25876

Ion Ratio Lower Upper

184 100

185 18.7 12.4 18.6#

183 11.7 8.6 12.8



#78

Pyrene

Concen: 3.876 ng

RT: 12.927 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

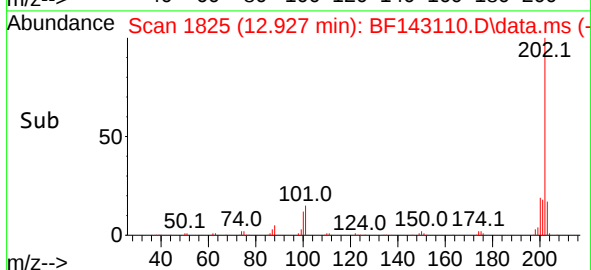
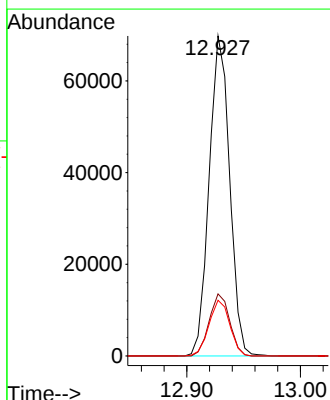
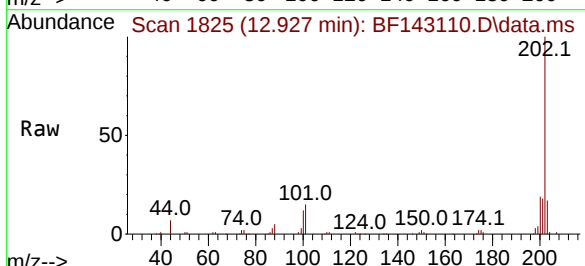
Tgt Ion:202 Resp: 87483

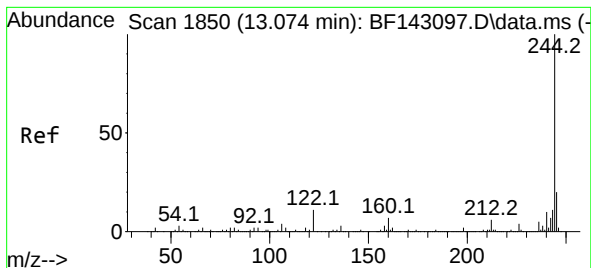
Ion Ratio Lower Upper

202 100

200 19.4 15.5 23.3

203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 78.667 ng

RT: 13.074 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143110.D

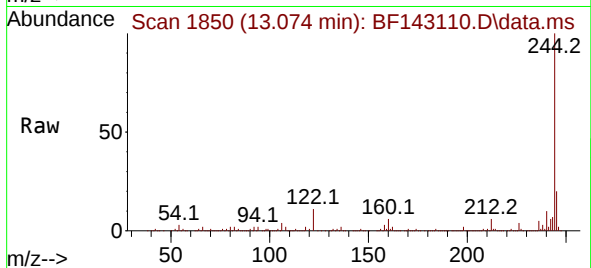
Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



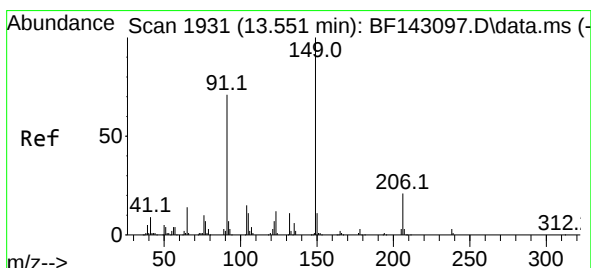
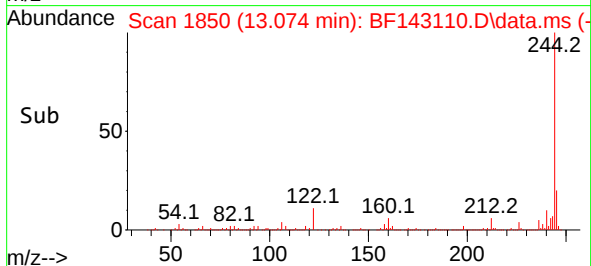
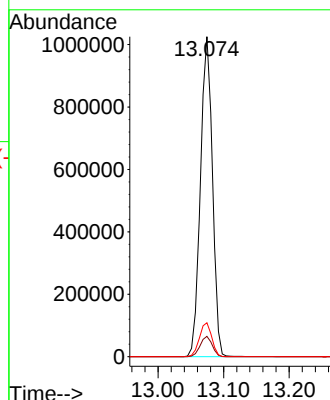
Tgt Ion:244 Resp: 1309042

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 5.530 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

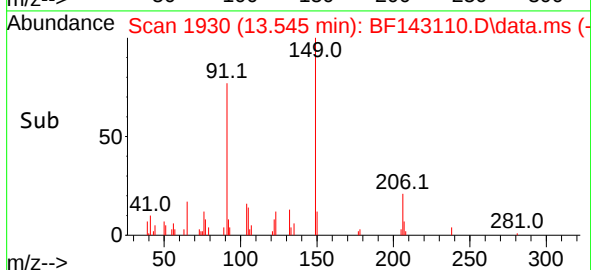
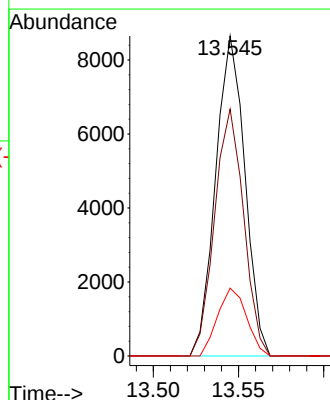
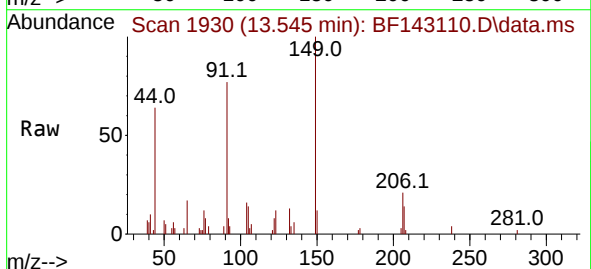
Tgt Ion:149 Resp: 10344

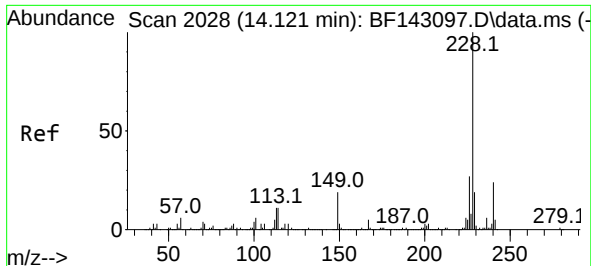
Ion Ratio Lower Upper

149 100

91 77.2 57.0 85.4

206 21.2 17.2 25.8

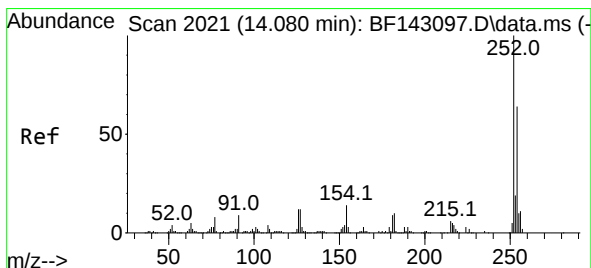
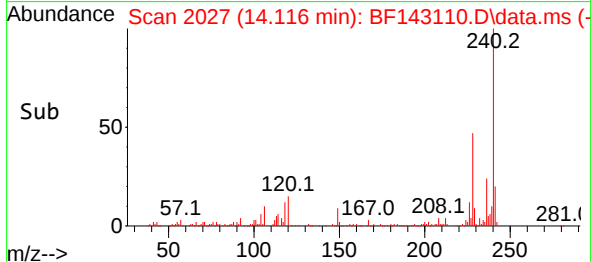
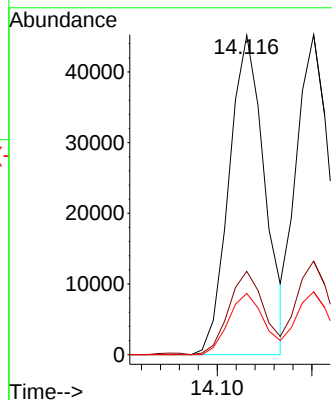
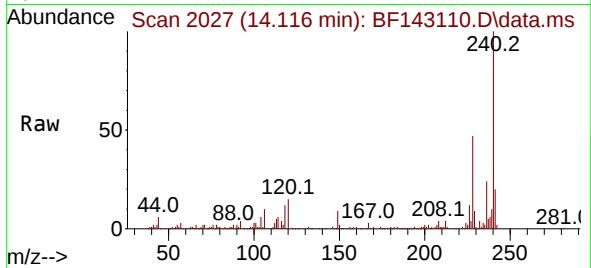




#81
Benzo(a)anthracene
Concen: 3.648 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

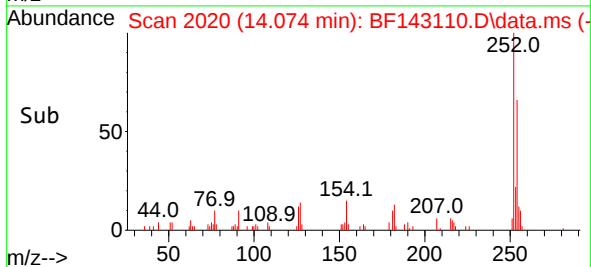
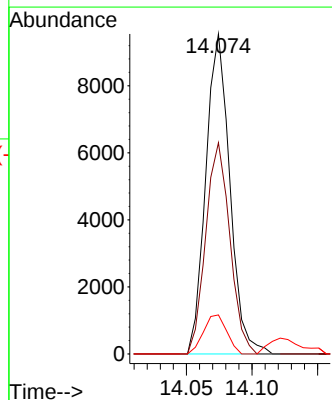
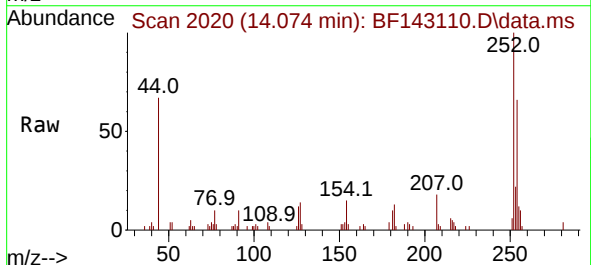
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

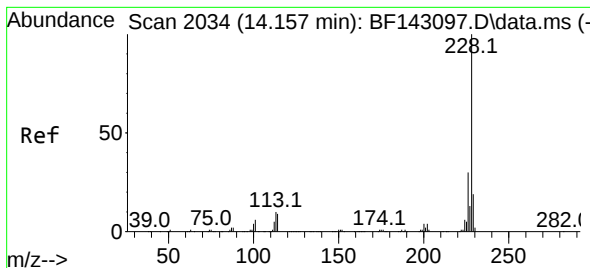
Tgt Ion:228 Resp: 59139
Ion Ratio Lower Upper
228 100
226 26.1 21.3 31.9
229 19.2 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 2.589 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:252 Resp: 12186
Ion Ratio Lower Upper
252 100
254 66.0 51.5 77.3
126 12.2 9.4 14.0





#83

Chrysene

Concen: 3.744 ng

RT: 14.151 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

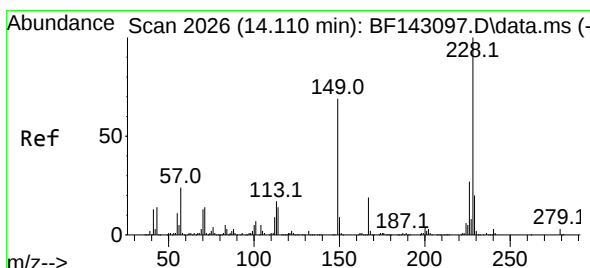
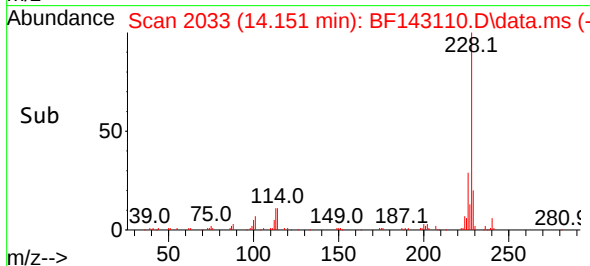
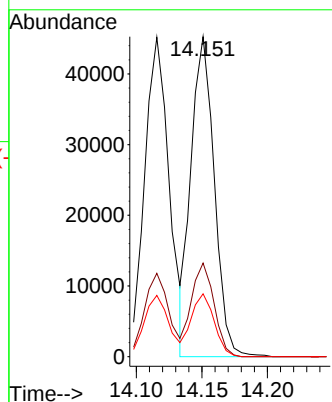
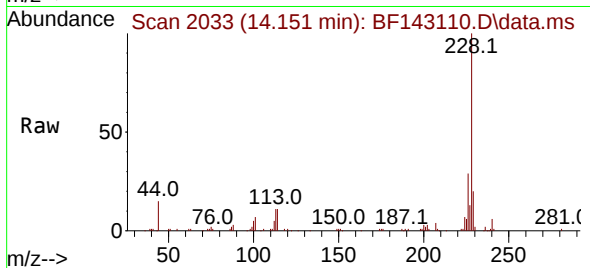
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:	228	Resp:	55894
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	19.7	15.3	22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.565 ng

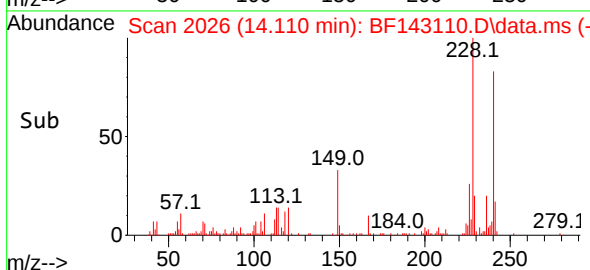
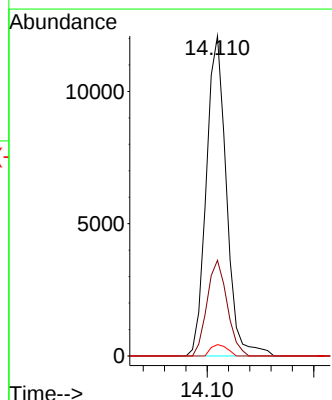
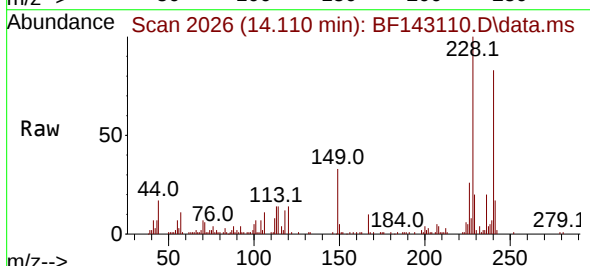
RT: 14.110 min Scan# 2026

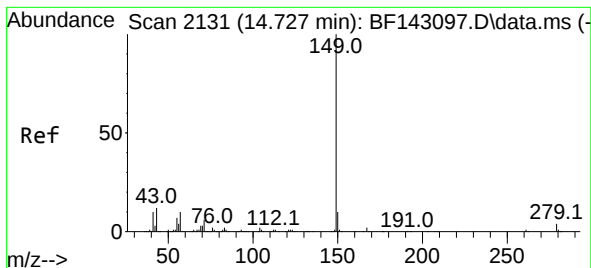
Delta R.T. -0.000 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Tgt Ion:	149	Resp:	15859
Ion Ratio	Lower	Upper	
149	100		
167	29.9	21.9	32.9
279	3.6	3.4	5.0

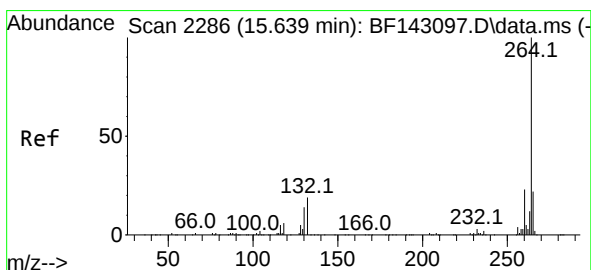
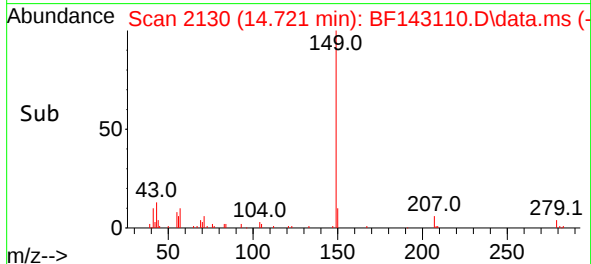
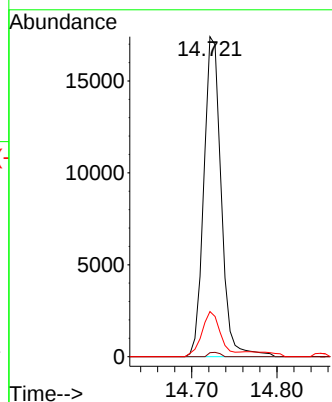
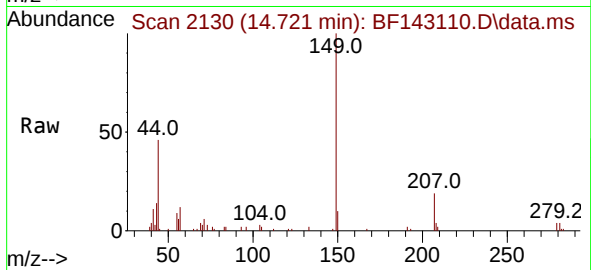




#85
Di-n-octyl phthalate
Concen: 8.331 ng
RT: 14.721 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

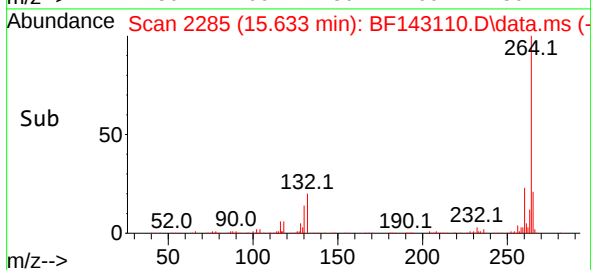
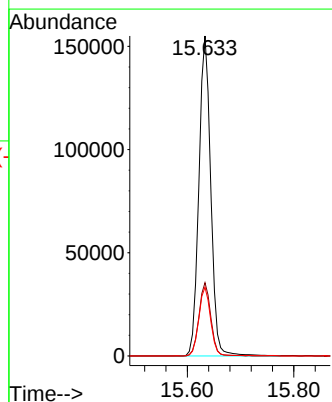
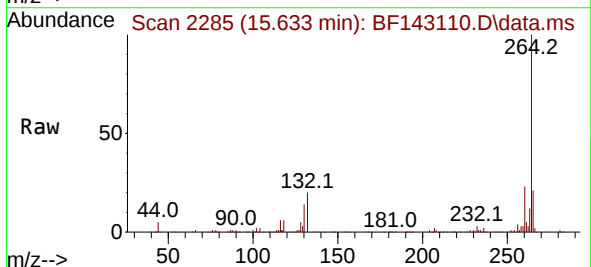
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

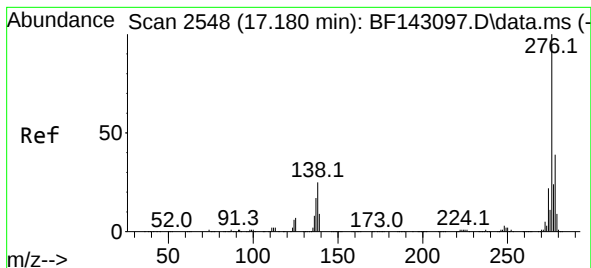
Tgt Ion:149 Resp: 24649
Ion Ratio Lower Upper
149 100
167 0.9 1.2 1.8#
43 15.5 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:264 Resp: 239895
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.659 ng

RT: 17.162 min Scan# 2109

Delta R.T. -0.018 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

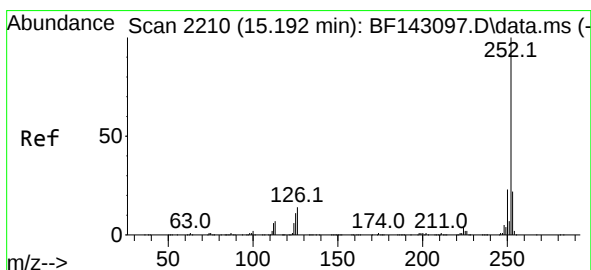
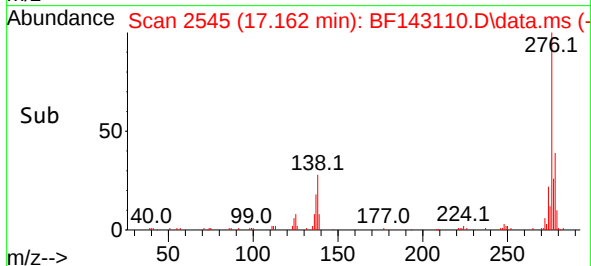
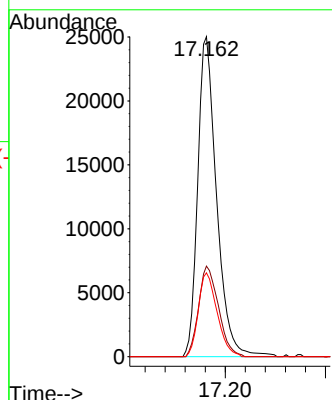
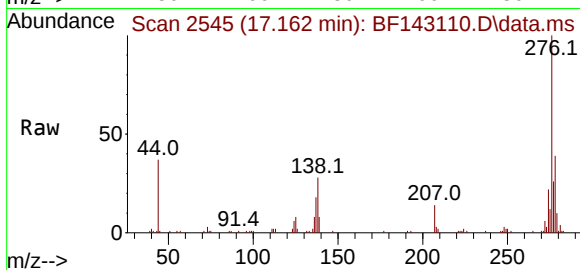
Tgt Ion:276 Resp: 65288

Ion Ratio Lower Upper

276 100

138 29.8 22.6 34.0

277 26.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.412 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

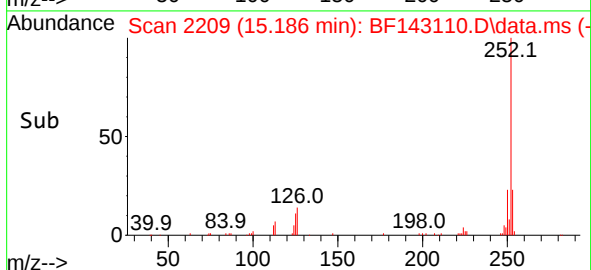
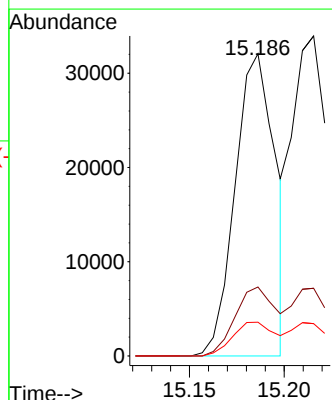
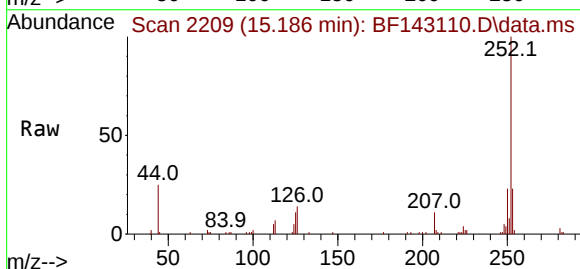
Tgt Ion:252 Resp: 47208

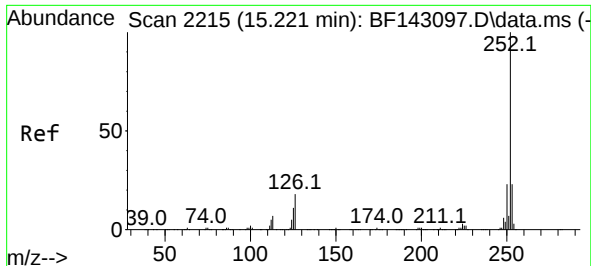
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 3.751 ng

RT: 15.216 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

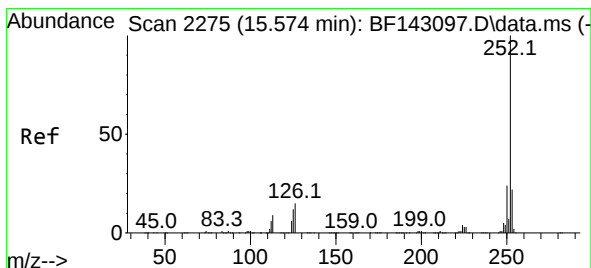
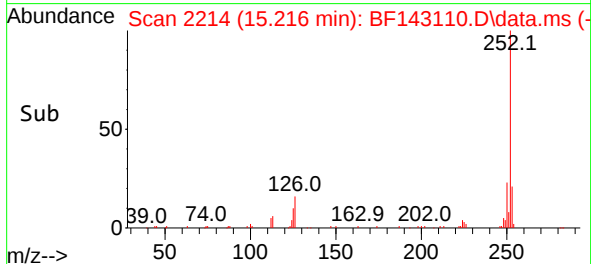
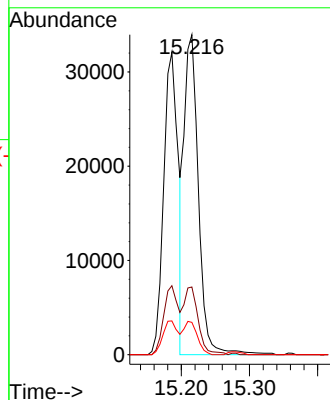
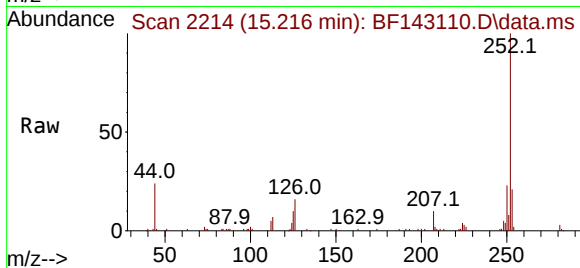
Tgt Ion:252 Resp: 49516

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

125 10.1 8.5 12.7



#90

Benzo(a)pyrene

Concen: 3.401 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.012 min

Lab File: BF143110.D

Acq: 16 Jul 2025 13:05

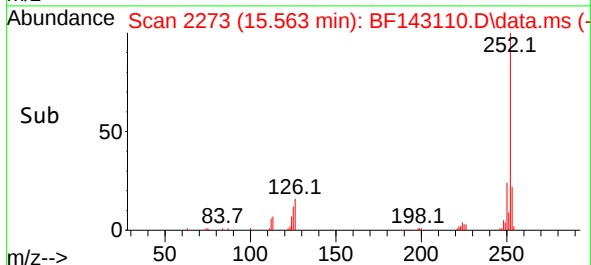
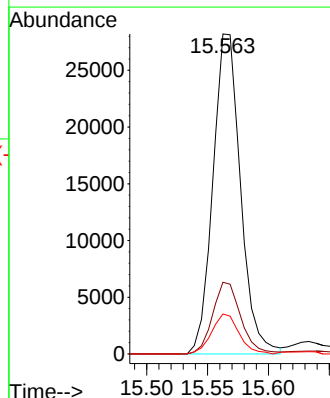
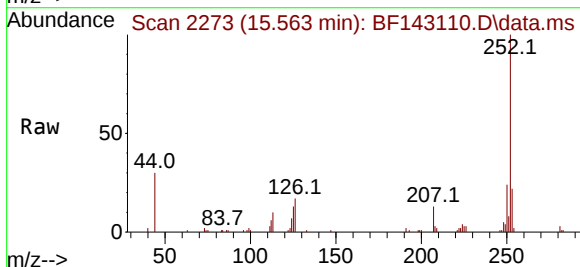
Tgt Ion:252 Resp: 44516

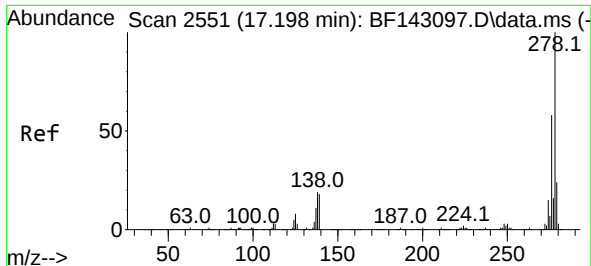
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

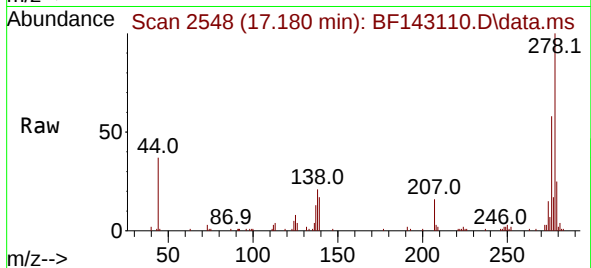
125 12.5 9.4 14.0



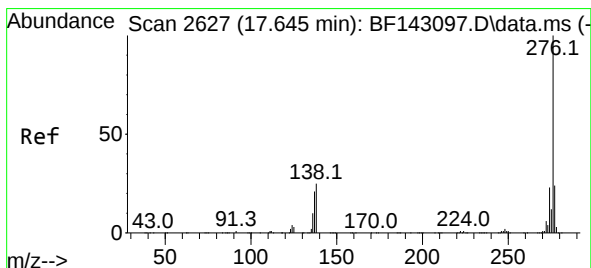
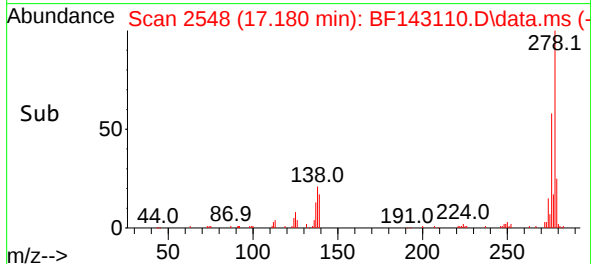
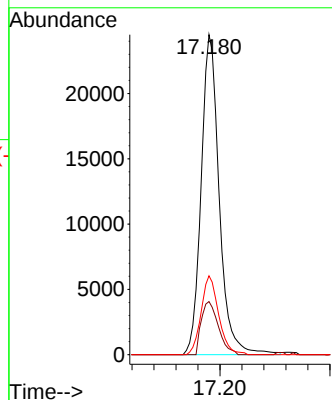


#91
Dibenzo(a,h)anthracene
Concen: 3.839 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

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



Tgt Ion:278 Resp: 55996
Ion Ratio Lower Upper
278 100
139 16.6 14.6 22.0
279 24.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 3.784 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.023 min
Lab File: BF143110.D
Acq: 16 Jul 2025 13:05

Tgt Ion:276 Resp: 56265
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 25.7 19.8 29.6

