

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143107.D
 Acq On : 16 Jul 2025 11:37
 Operator : RC/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 16 11:58:35 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	127325	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	489427	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248832	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398720	20.000	ng	0.00
76) Chrysene-d12	14.127	240	219247	20.000	ng	0.00
86) Perylene-d12	15.633	264	207078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	903577	112.122	ng	0.00
7) Phenol-d6	6.587	99	1171297	115.627	ng	0.00
23) Nitrobenzene-d5	7.522	82	745082	85.401	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	282933	127.521	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1388517	74.176	ng	0.00
79) Terphenyl-d14	13.074	244	1213878	80.934	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	38594	9.621	ng	98
3) Pyridine	3.604	79	95731	9.424	ng	98
4) n-Nitrosodimethylamine	3.504	42	48867	9.285	ng	# 93
6) Aniline	6.628	93	139300	9.765	ng	99
8) 2-Chlorophenol	6.751	128	83212	10.277	ng	91
9) Benzaldehyde	6.516	77	75022	9.719	ng	99
10) Phenol	6.598	94	115804	10.560	ng	84
11) bis(2-Chloroethyl)ether	6.698	93	84643	9.970	ng	99
12) 1,3-Dichlorobenzene	6.910	146	92545	10.117	ng	99
13) 1,4-Dichlorobenzene	6.987	146	95010	10.324	ng	98
14) 1,2-Dichlorobenzene	7.139	146	87587	9.980	ng	99
15) Benzyl Alcohol	7.092	79	73440	9.784	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.239	45	154229	9.855	ng	99
17) 2-Methylphenol	7.204	107	69775	9.986	ng	98
18) Hexachloroethane	7.486	117	29535	9.859	ng	96
19) n-Nitroso-di-n-propyla...	7.369	70	62046	9.998	ng	98
20) 3+4-Methylphenols	7.351	107	90818	10.598	ng	# 82
22) Acetophenone	7.363	105	121923	10.334	ng	94
24) Nitrobenzene	7.539	77	91442	10.857	ng	99
25) Isophorone	7.775	82	163434	9.692	ng	98
26) 2-Nitrophenol	7.857	139	26963	11.285	ng	98
27) 2,4-Dimethylphenol	7.886	122	80231	10.251	ng	98
28) bis(2-Chloroethoxy)met...	7.986	93	103057	10.078	ng	98
29) 2,4-Dichlorophenol	8.092	162	65267	10.193	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	72342	9.955	ng	97
31) Naphthalene	8.269	128	250866	10.322	ng	100
32) Benzoic acid	7.939	122	21613	11.310	ng	98
33) 4-Chloroaniline	8.310	127	98782	10.107	ng	97
34) Hexachlorobutadiene	8.392	225	44645	10.273	ng	98
35) Caprolactam	8.633	113	17997	9.001	ng	98
36) 4-Chloro-3-methylphenol	8.775	107	70351	9.863	ng	97
37) 2-Methylnaphthalene	8.957	142	149655	10.322	ng	99
38) 1-Methylnaphthalene	9.057	142	155830	10.362	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	73944	10.197	ng	99
41) Hexachlorocyclopentadiene	9.122	237	35719	8.884	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	45592	10.119	ng	98

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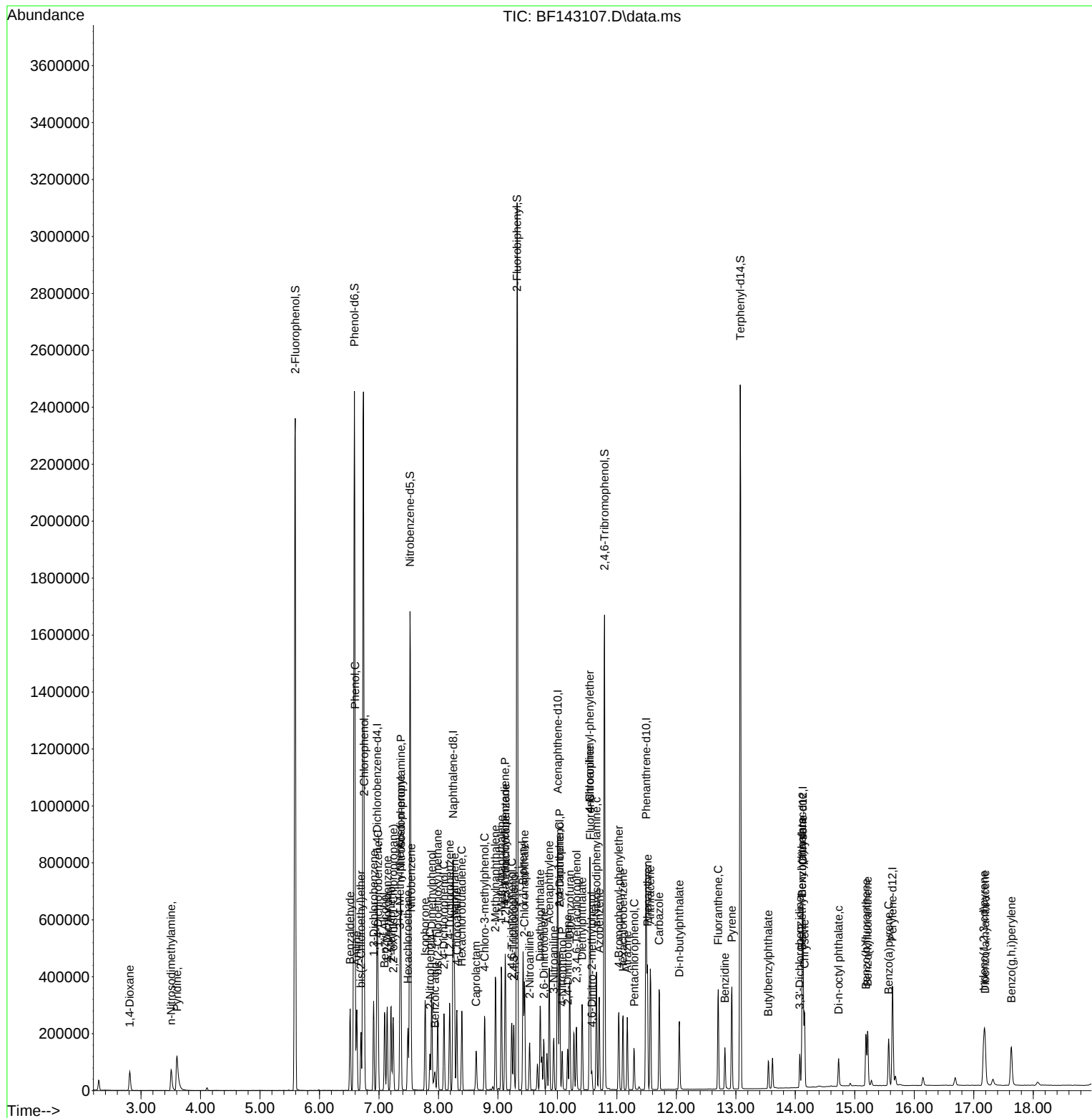
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	45348	9.598	ng	99
46) 1,1'-Biphenyl	9.422	154	202434	10.201	ng	99
47) 2-Chloronaphthalene	9.445	162	146822	10.072	ng	99
48) 2-Nitroaniline	9.533	65	34619	10.603	ng	96
49) Acenaphthylene	9.863	152	244909	10.082	ng	99
50) Dimethylphthalate	9.710	163	159143	10.166	ng	99
51) 2,6-Dinitrotoluene	9.775	165	25913	10.685	ng	91
52) Acenaphthene	10.033	154	143817	10.033	ng	98
53) 3-Nitroaniline	9.939	138	31751	9.387	ng	97
54) 2,4-Dinitrophenol	10.039	184	6097	11.721	ng	# 1
55) Dibenzofuran	10.210	168	213891	10.011	ng	98
56) 4-Nitrophenol	10.080	139	23533	8.754	ng	99
57) 2,4-Dinitrotoluene	10.175	165	29750	10.555	ng	# 98
58) Fluorene	10.551	166	167638	10.465	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	38164	10.165	ng	98
60) Diethylphthalate	10.416	149	148078	9.805	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	76061	9.907	ng	97
62) 4-Nitroaniline	10.545	138	29107	9.895	ng	98
63) Azobenzene	10.704	77	163295	9.776	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	9079	11.763	ng	94
66) n-Nitrosodiphenylamine	10.657	169	139933	9.991	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	45218	9.972	ng	97
68) Hexachlorobenzene	11.104	284	47201	9.811	ng	98
69) Atrazine	11.174	200	36181	10.097	ng	98
70) Pentachlorophenol	11.292	266	22752	8.620	ng	98
71) Phenanthrene	11.516	178	222083	10.321	ng	100
72) Anthracene	11.563	178	223990	10.351	ng	99
73) Carbazole	11.710	167	195928	10.107	ng	99
74) Di-n-butylphthalate	12.051	149	174971	9.833	ng	99
75) Fluoranthene	12.704	202	198571	10.149	ng	99
77) Benzidine	12.816	184	74812	10.016	ng	95
78) Pyrene	12.933	202	204503	10.053	ng	99
80) Butylbenzylphthalate	13.545	149	28955	9.992	ng	97
81) Benzo(a)anthracene	14.115	228	144607	9.898	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	34347	8.096	ng	98
83) Chrysene	14.157	228	127098	9.446	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	42063	9.750	ng	100
85) Di-n-octyl phthalate	14.727	149	64075	11.420	ng	96
87) Indeno(1,2,3-cd)pyrene	17.168	276	145532	9.449	ng	99
88) Benzo(b)fluoranthene	15.186	252	113118	9.470	ng	99
89) Benzo(k)fluoranthene	15.215	252	106475	9.344	ng	99
90) Benzo(a)pyrene	15.568	252	101806	9.012	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	120151	9.543	ng	99
92) Benzo(g,h,i)perylene	17.633	276	121066	9.432	ng	98

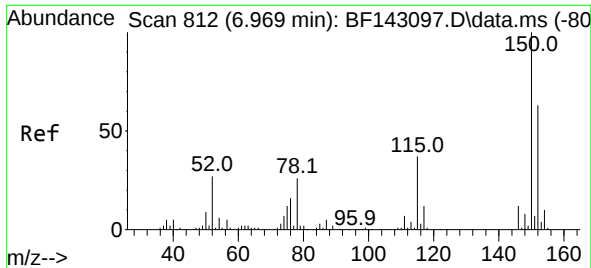
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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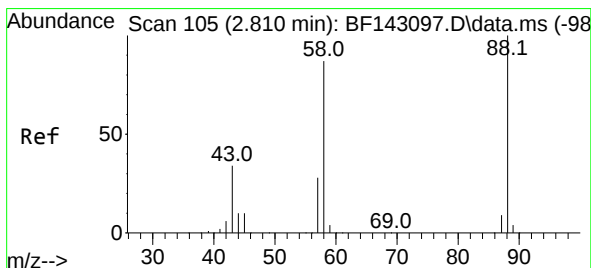
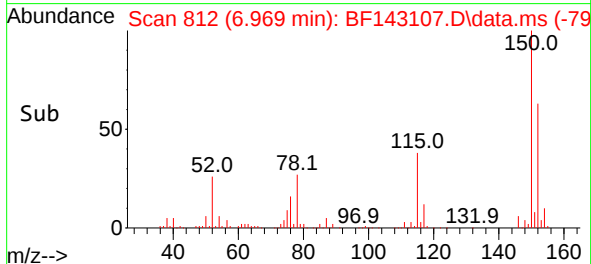
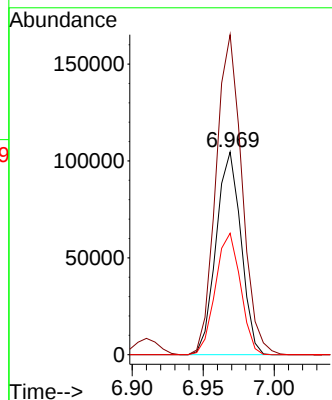
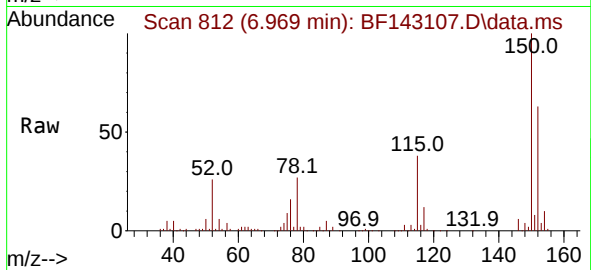




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

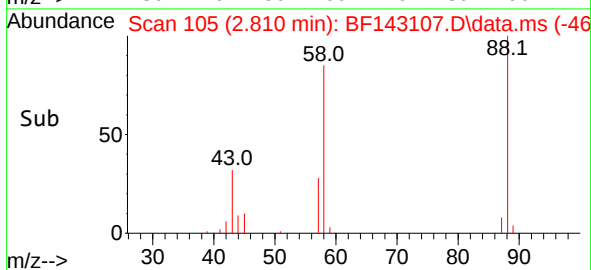
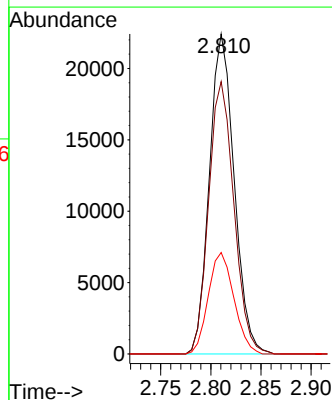
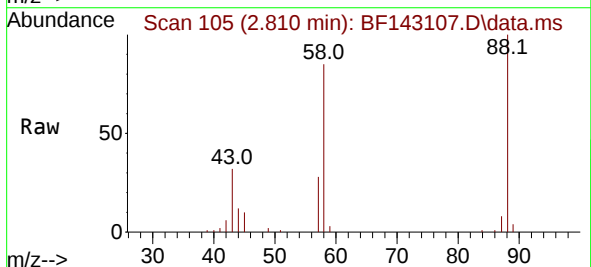
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

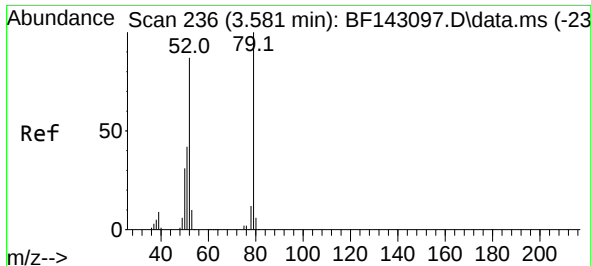
Tgt Ion:152 Resp: 127325
Ion Ratio Lower Upper
152 100
150 157.8 126.5 189.7
115 59.9 47.0 70.6



#2
1,4-Dioxane
Concen: 9.621 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 88 Resp: 38594
Ion Ratio Lower Upper
88 100
58 86.7 70.5 105.7
43 32.8 27.3 40.9





#3

Pyridine

Concen: 9.424 ng

RT: 3.604 min Scan# 24

Delta R.T. 0.023 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

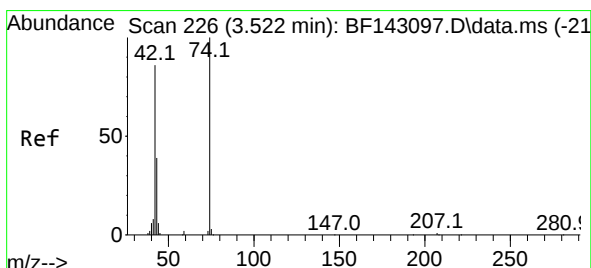
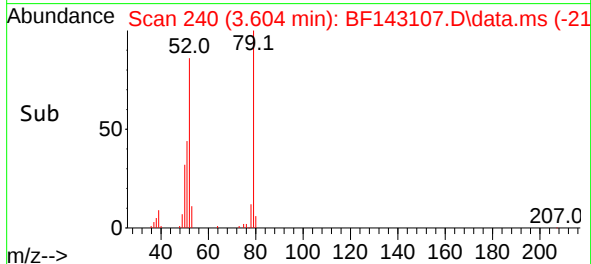
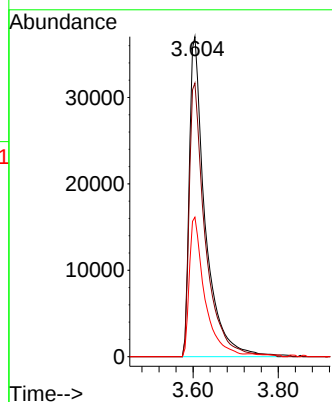
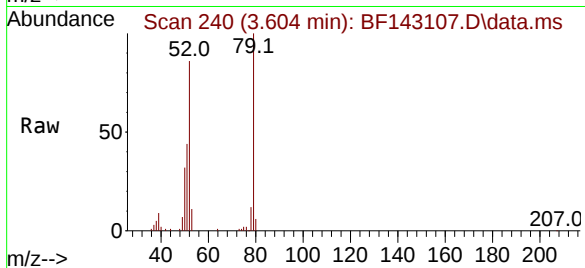
Tgt Ion: 79 Resp: 95731

Ion Ratio Lower Upper

79 100

52 85.5 69.2 103.8

51 43.6 33.3 49.9



#4

n-Nitrosodimethylamine

Concen: 9.285 ng

RT: 3.504 min Scan# 223

Delta R.T. -0.018 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

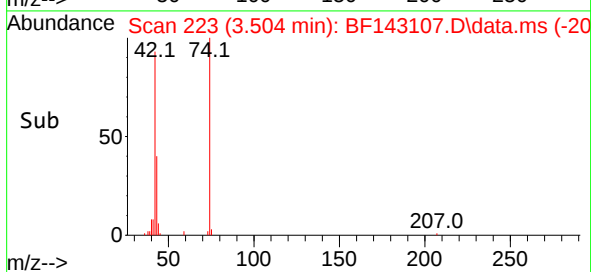
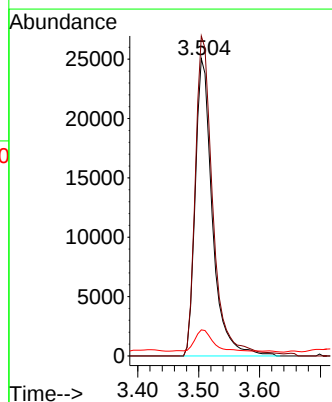
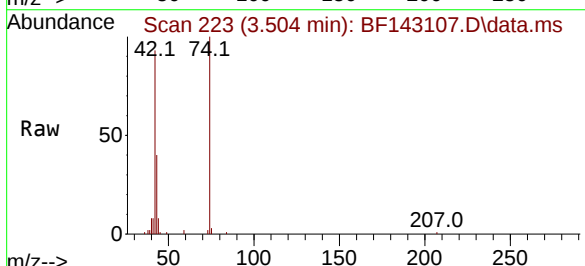
Tgt Ion: 42 Resp: 48867

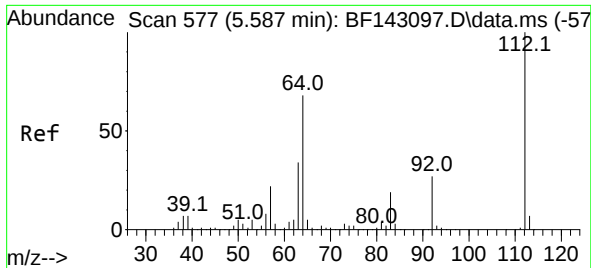
Ion Ratio Lower Upper

42 100

74 107.6 92.8 139.2

44 8.8 5.8 8.6#

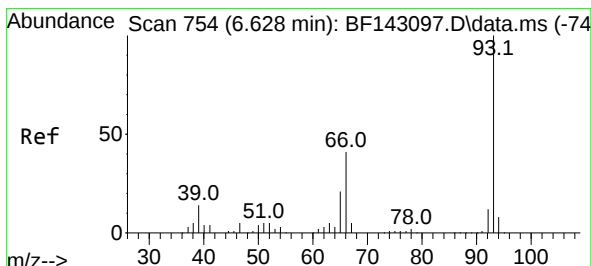
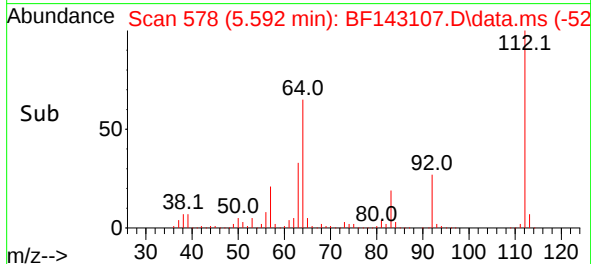
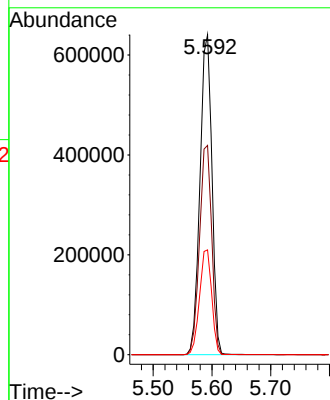
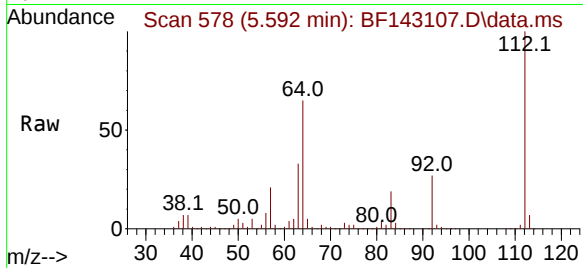




#5
2-Fluorophenol
Concen: 112.122 ng
RT: 5.592 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

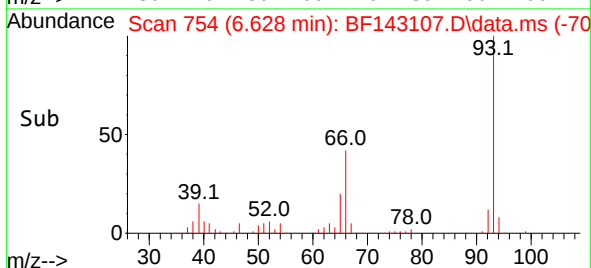
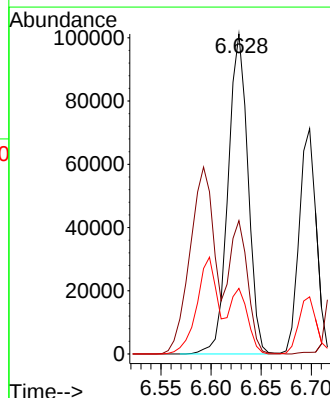
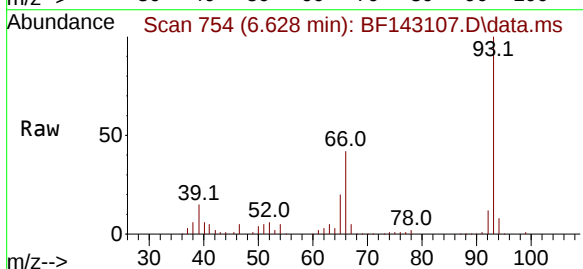
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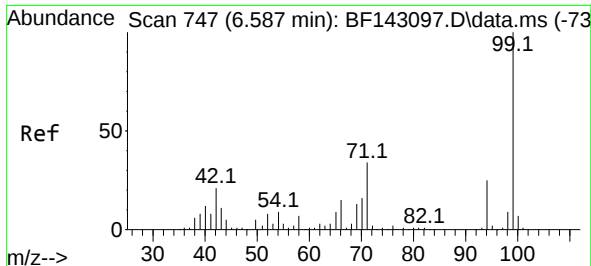
Tgt Ion:112 Resp: 903577
Ion Ratio Lower Upper
112 100
64 65.4 54.6 82.0
63 32.8 27.3 40.9



#6
Aniline
Concen: 9.765 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 93 Resp: 139300
Ion Ratio Lower Upper
93 100
66 41.7 33.1 49.7
65 20.5 16.9 25.3

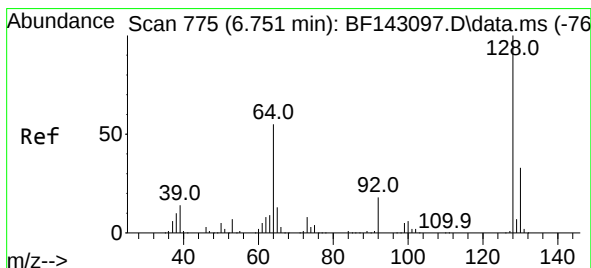
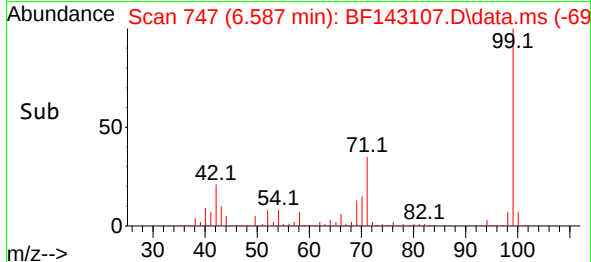
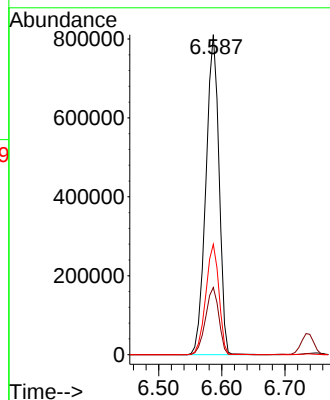
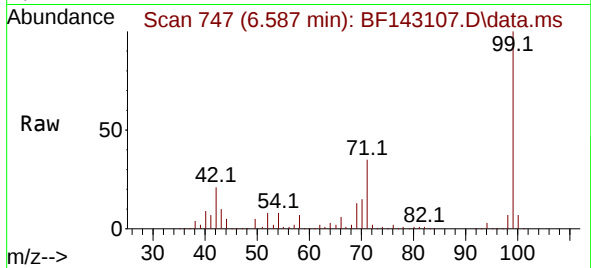




#7
Phenol-d6
Concen: 115.627 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

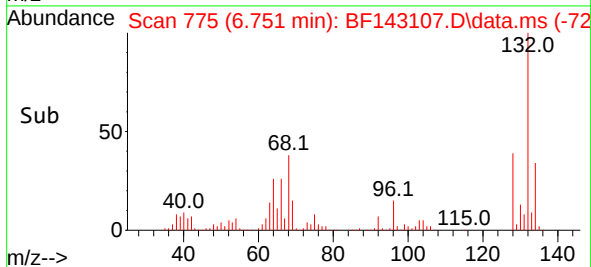
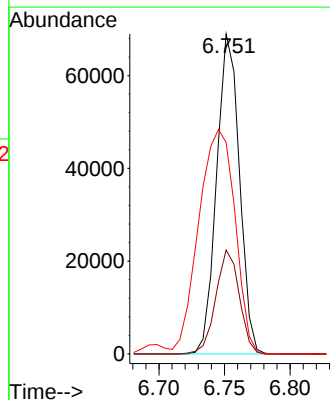
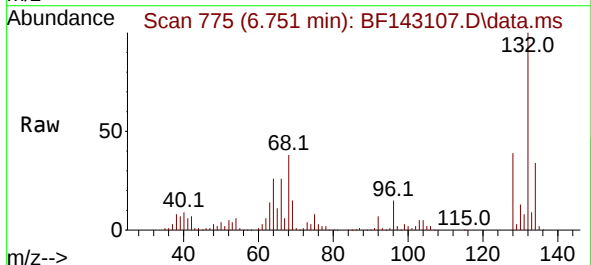
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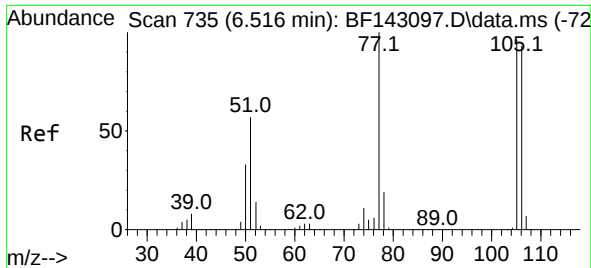
Tgt Ion: 99 Resp: 1171297
Ion Ratio Lower Upper
99 100
42 21.0 17.2 25.8
71 34.5 27.4 41.0



#8
2-Chlorophenol
Concen: 10.277 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:128 Resp: 83212
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 66.1 36.1 76.1





#9

Benzaldehyde

Concen: 9.719 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143107.D

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Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

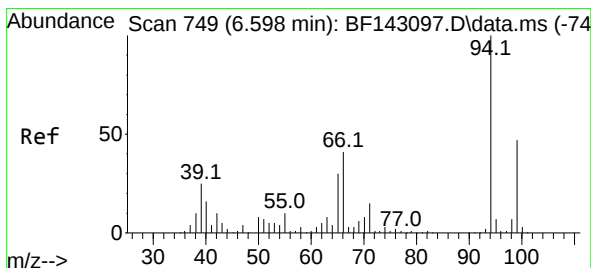
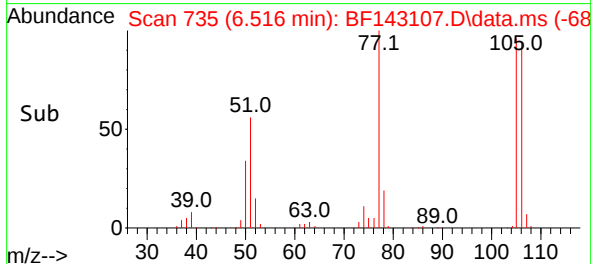
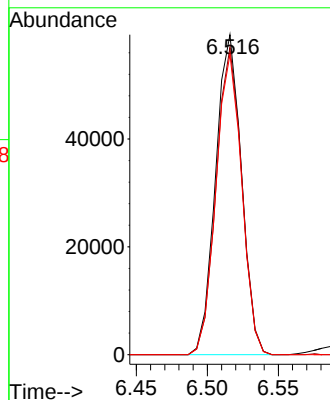
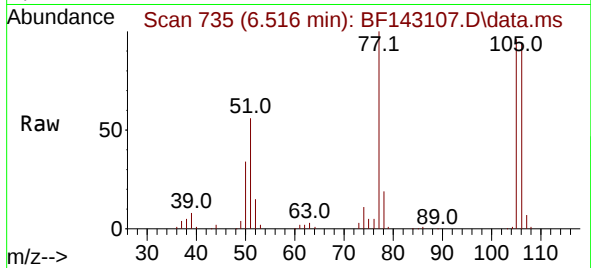
Tgt Ion: 77 Resp: 75022

Ion Ratio Lower Upper

77 100

105 96.0 76.3 116.3

106 93.9 72.8 112.8



#10

Phenol

Concen: 10.560 ng

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

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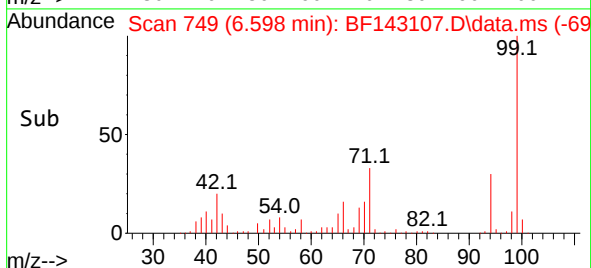
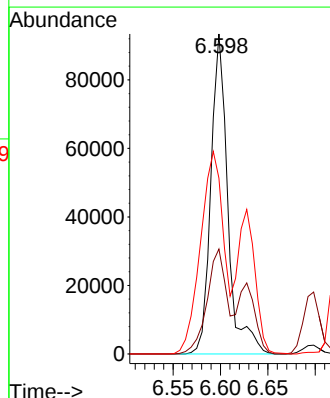
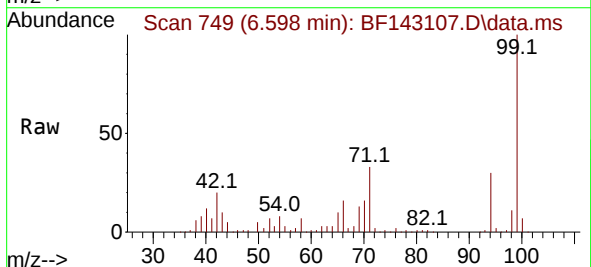
Tgt Ion: 94 Resp: 115804

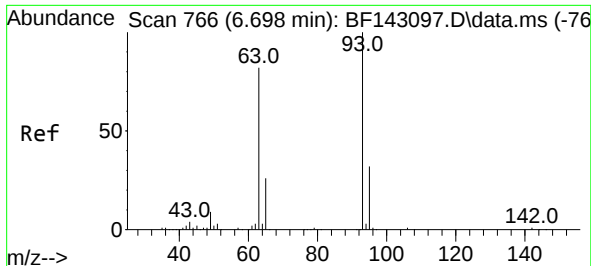
Ion Ratio Lower Upper

94 100

65 32.8 9.8 49.8

66 54.9 20.5 60.5

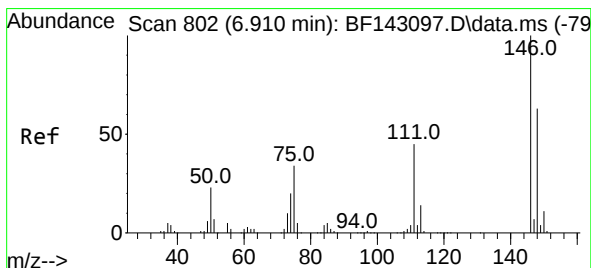
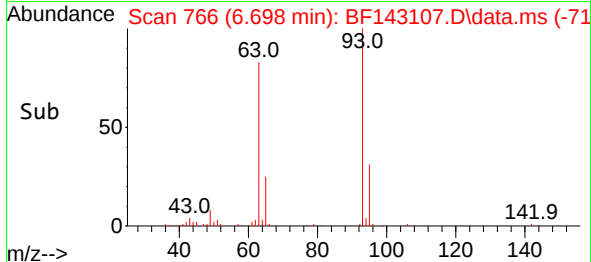
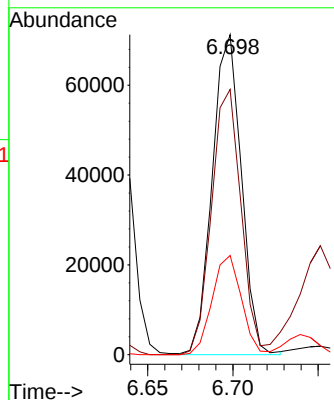
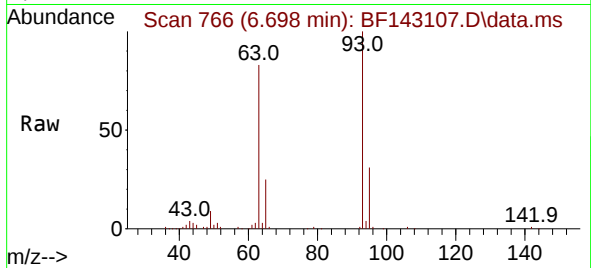




#11
bis(2-Chloroethyl)ether
Concen: 9.970 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

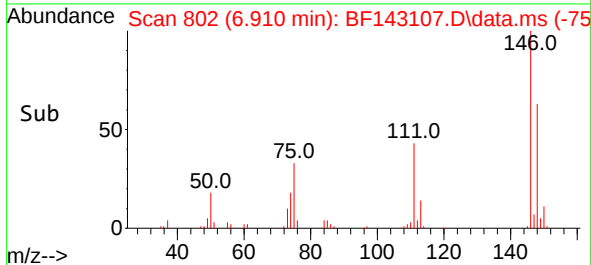
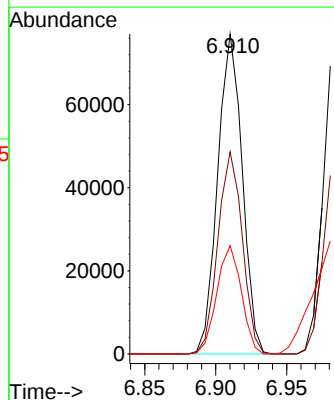
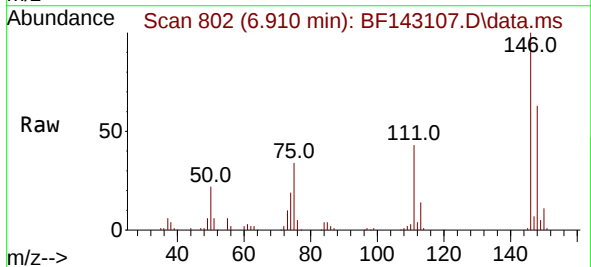
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

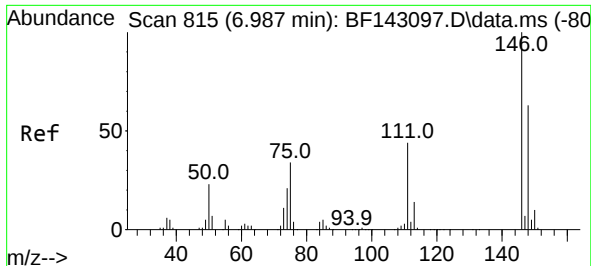
Tgt Ion:	93	Resp:	84643
Ion	Ratio	Lower	Upper
93	100		
63	82.9	61.9	101.9
95	31.0	12.2	52.2



#12
1,3-Dichlorobenzene
Concen: 10.117 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	146	Resp:	92545
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.1	75.1
75	33.9	27.4	41.0





#13

1,4-Dichlorobenzene

Concen: 10.324 ng

RT: 6.987 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

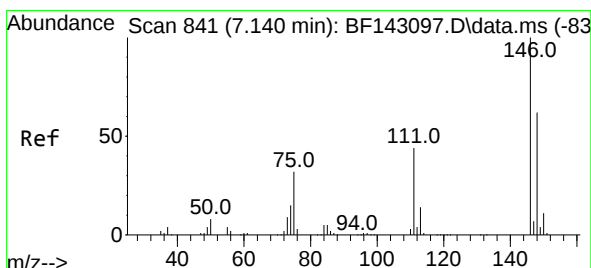
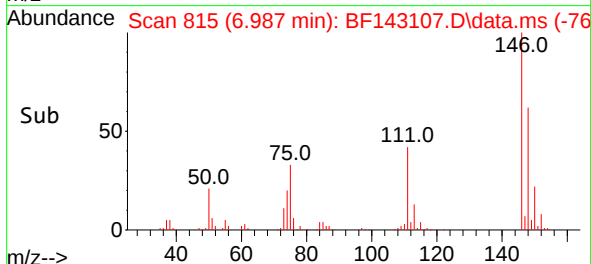
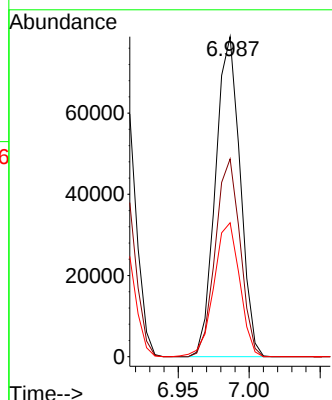
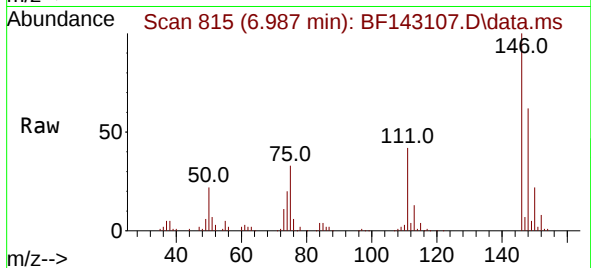
Tgt Ion:146 Resp: 95010

Ion Ratio Lower Upper

146 100

148 61.8 50.6 76.0

111 41.8 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 9.980 ng

RT: 7.139 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

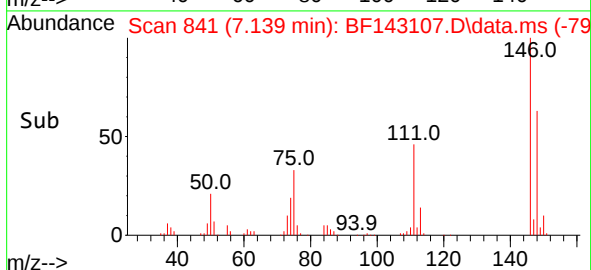
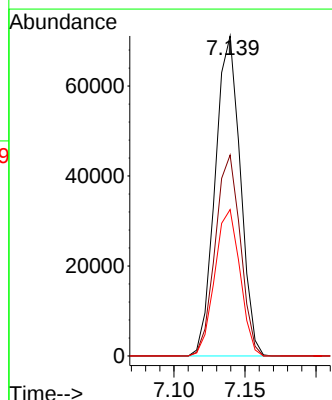
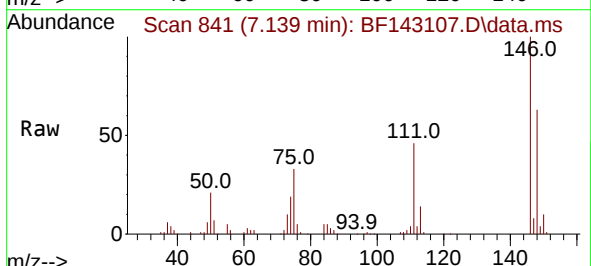
Tgt Ion:146 Resp: 87587

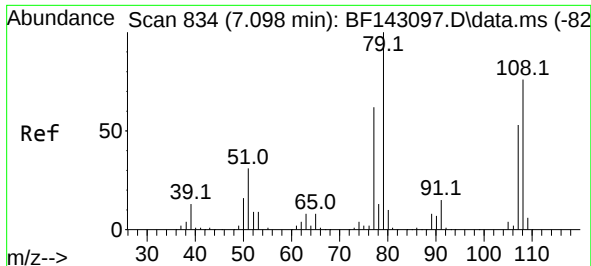
Ion Ratio Lower Upper

146 100

148 62.8 49.8 74.6

111 45.7 35.4 53.0

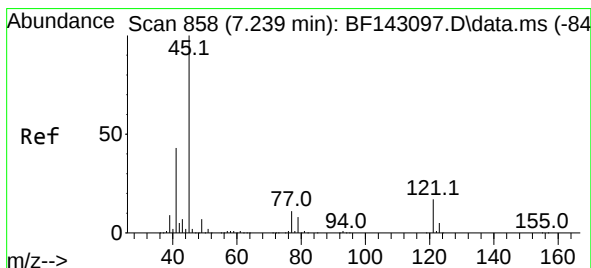
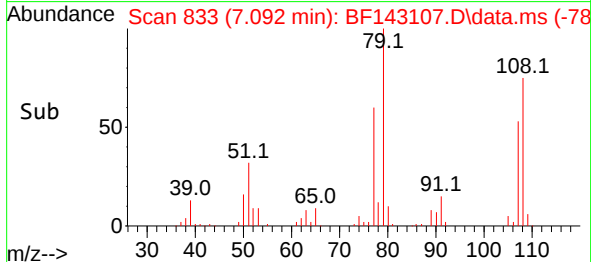
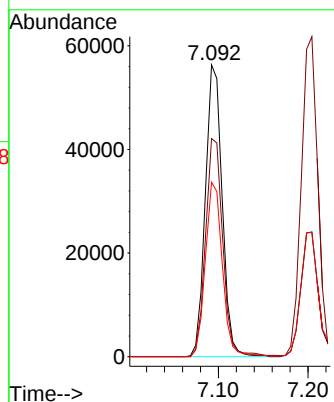
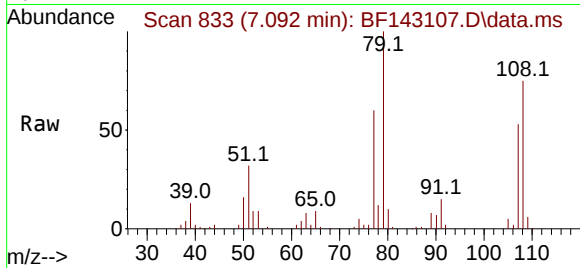




#15
Benzyl Alcohol
Concen: 9.784 ng
RT: 7.092 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

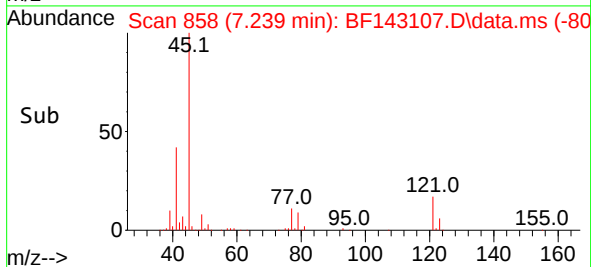
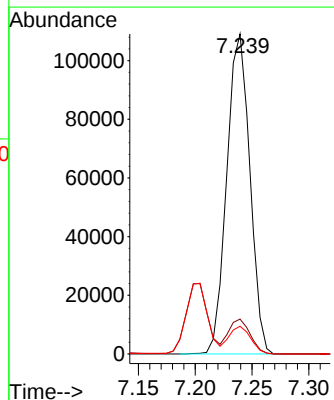
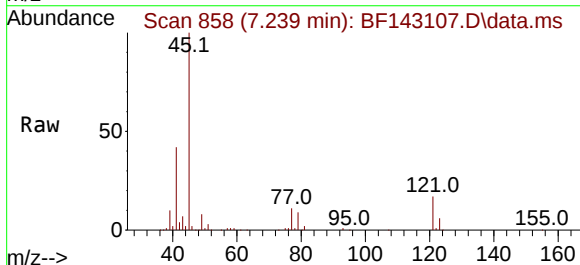
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

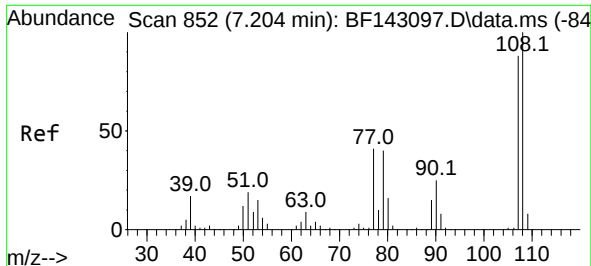
Tgt Ion: 79	Resp: 73440
Ion Ratio	Lower Upper
79 100	
108 74.8	61.1 91.7
77 59.8	49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.855 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

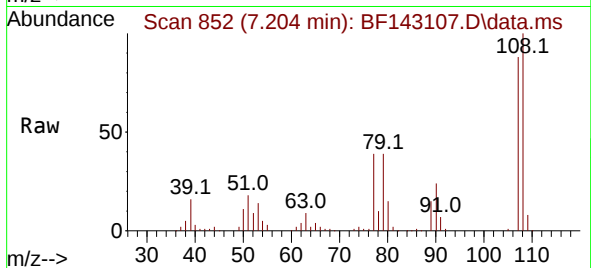
Tgt Ion: 45	Resp: 154229
Ion Ratio	Lower Upper
45 100	
77 10.9	0.0 31.1
79 8.7	0.0 28.4



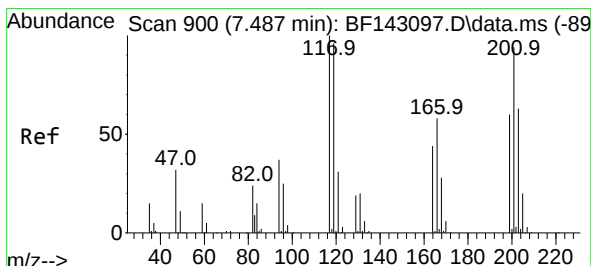
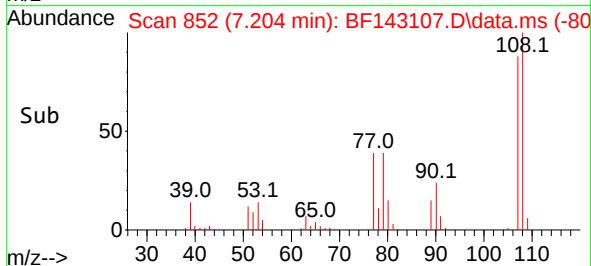
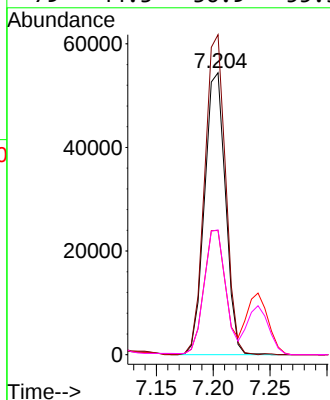


#17
2-Methylphenol
Concen: 9.986 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

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

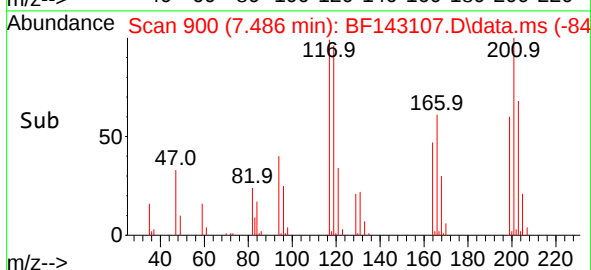
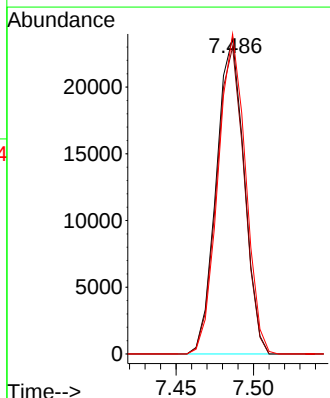
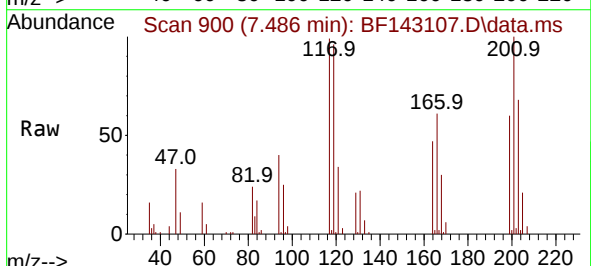


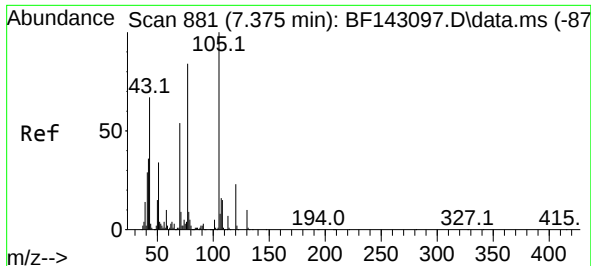
Tgt Ion:	107	Resp:	69775
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.9	136.3
77	44.0	37.5	56.3
79	44.3	36.9	55.3



#18
Hexachloroethane
Concen: 9.859 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	117	Resp:	29535
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.7	115.1
201	101.1	75.0	112.4

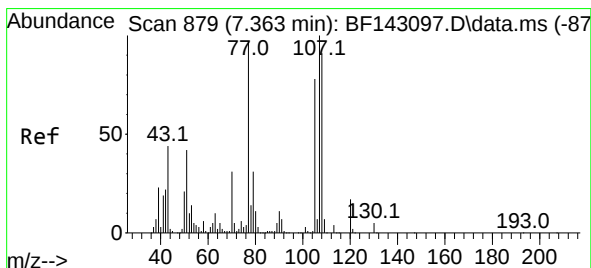
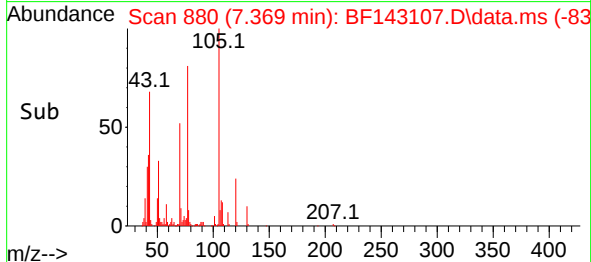
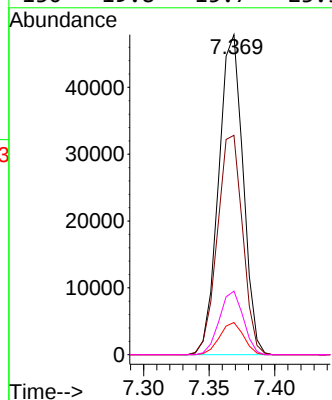
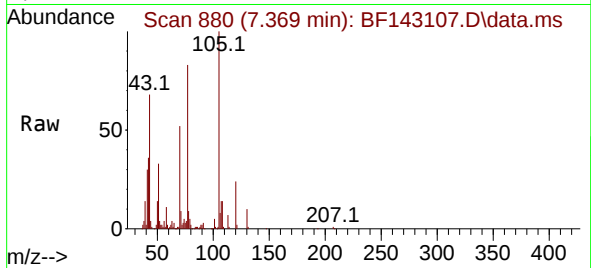




#19
n-Nitroso-di-n-propylamine
Concen: 9.998 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

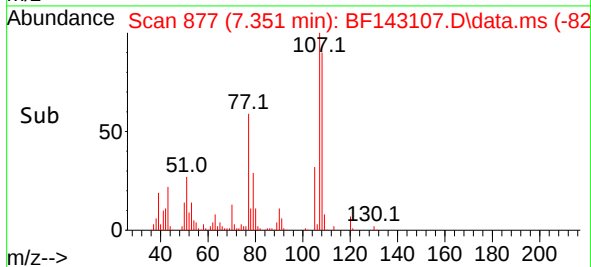
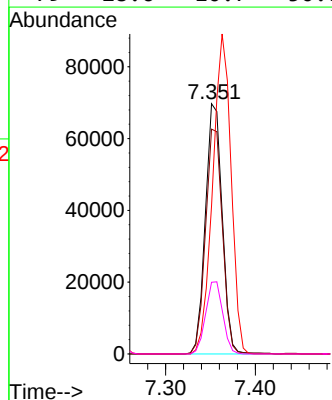
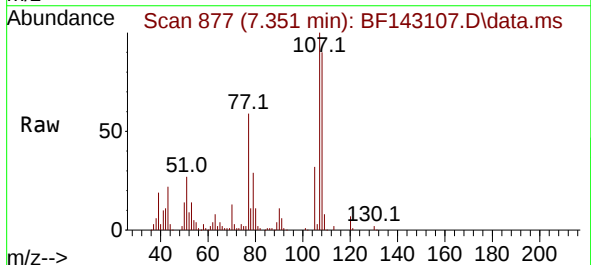
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

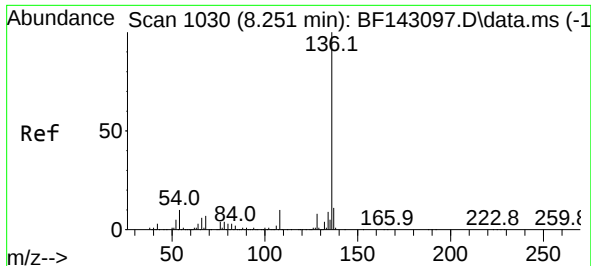
Tgt Ion:	70	Resp:	62046
Ion	Ratio	Lower	Upper
70	100		
42	68.6	53.2	79.8
101	10.0	7.5	11.3
130	19.8	15.7	23.5



#20
3+4-Methylphenols
Concen: 10.598 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	107	Resp:	90818
Ion	Ratio	Lower	Upper
107	100		
108	89.8	71.3	111.3
77	59.3	77.2	117.2#
79	28.6	10.7	50.7

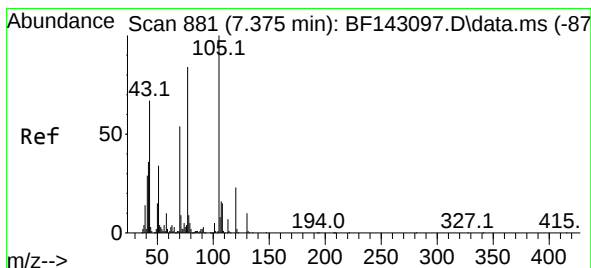
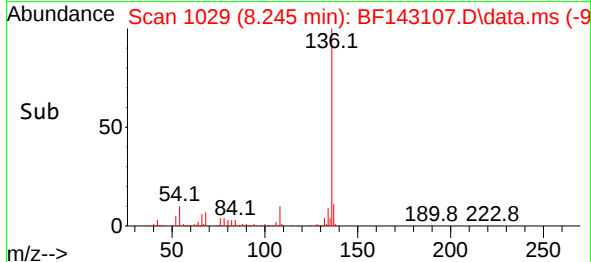
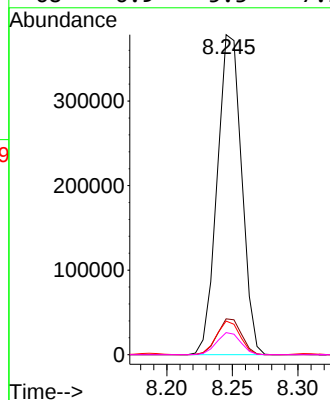
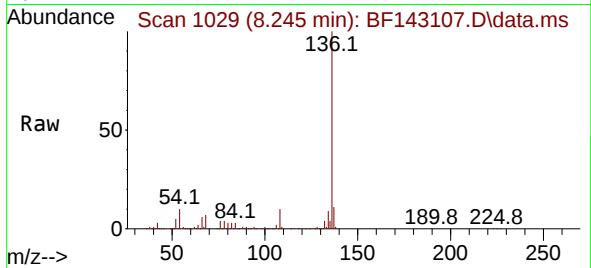




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

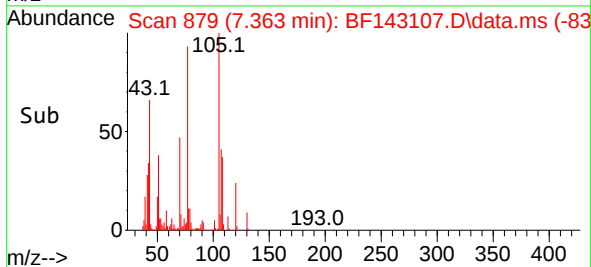
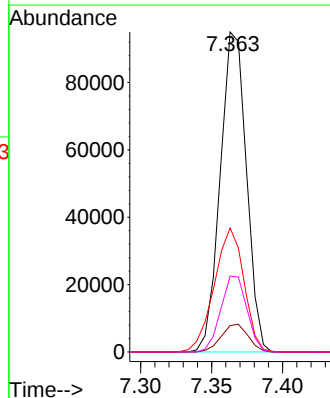
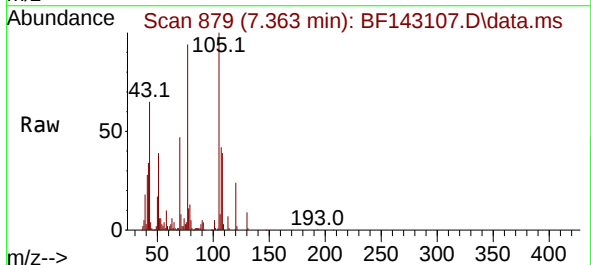
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

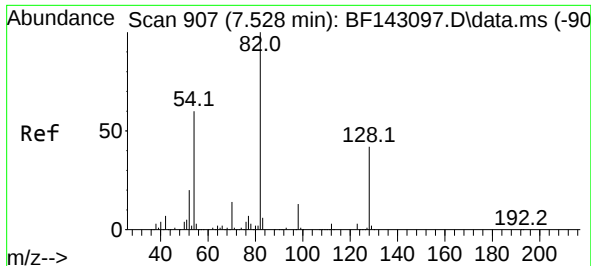
Tgt Ion:	136	Resp:	489427
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	10.5	8.3	12.5
68	6.9	5.3	7.9



#22
Acetophenone
Concen: 10.334 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	105	Resp:	121923
Ion Ratio	Lower	Upper	
105	100		
71	8.2	7.2	10.8
51	38.7	27.0	40.4
120	23.7	18.2	27.2

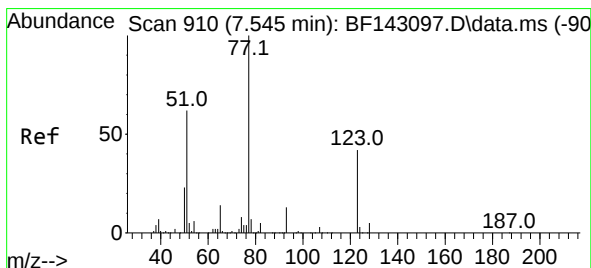
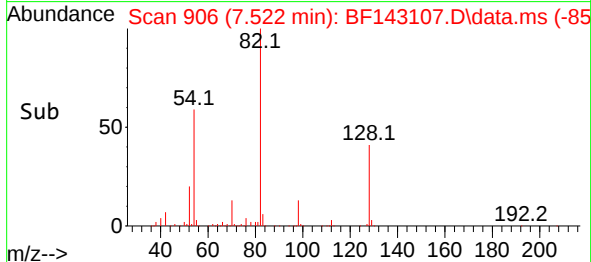
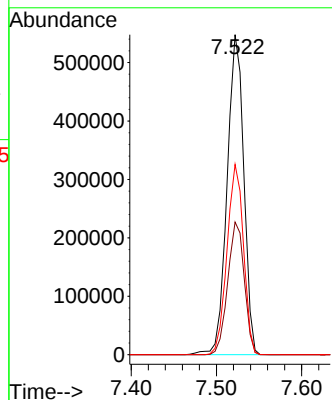
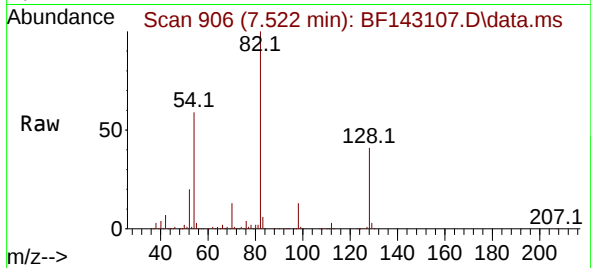




#23
Nitrobenzene-d5
Concen: 85.401 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

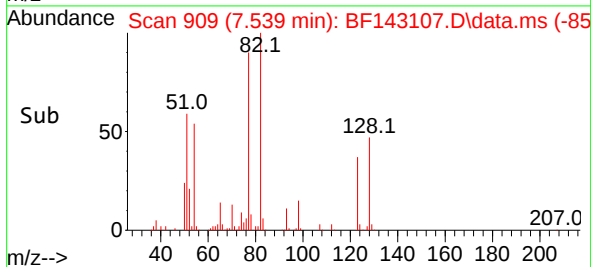
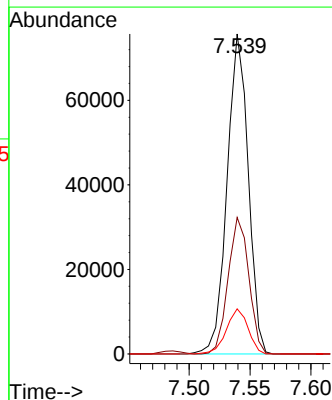
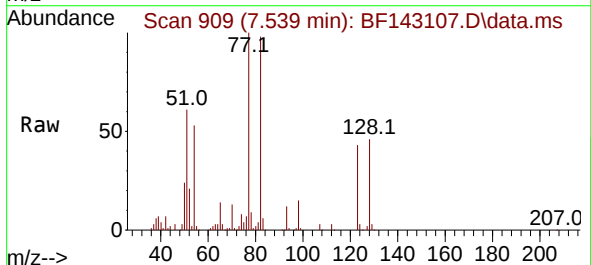
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

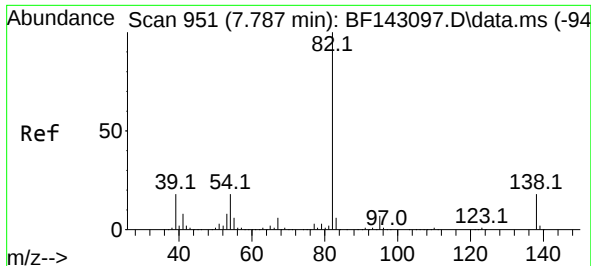
Tgt Ion: 82 Resp: 745082
Ion Ratio Lower Upper
82 100
128 41.4 33.3 49.9
54 59.4 47.4 71.2



#24
Nitrobenzene
Concen: 10.857 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion: 77 Resp: 91442
Ion Ratio Lower Upper
77 100
123 42.7 34.5 51.7
65 14.1 11.3 16.9

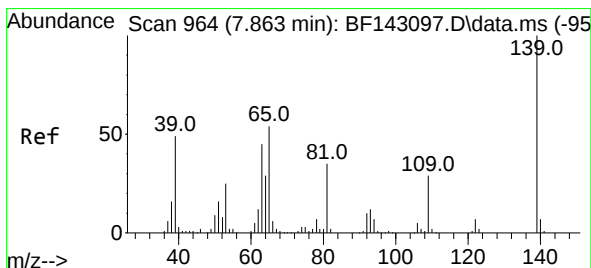
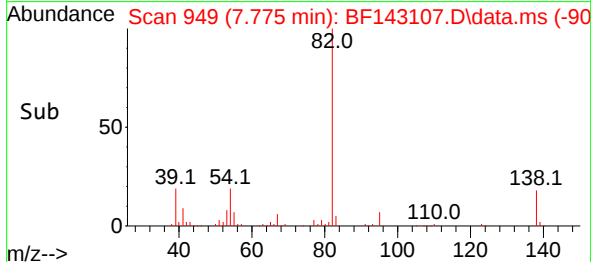
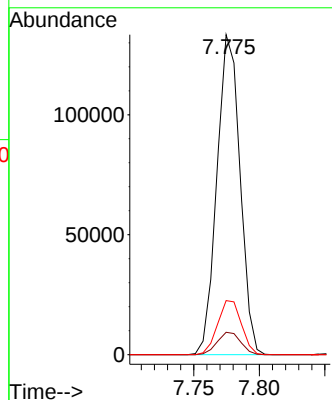
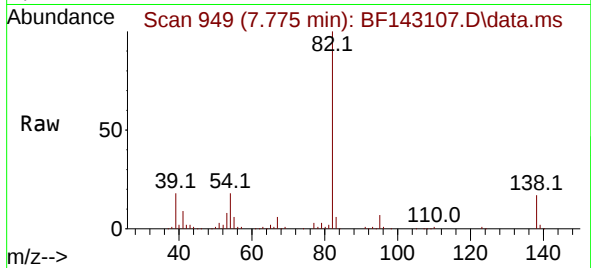




#25
Isophorone
Concen: 9.692 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

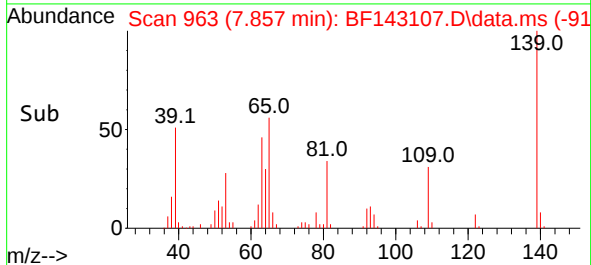
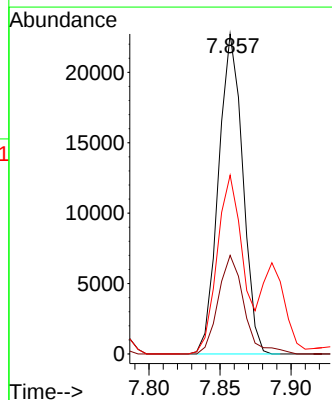
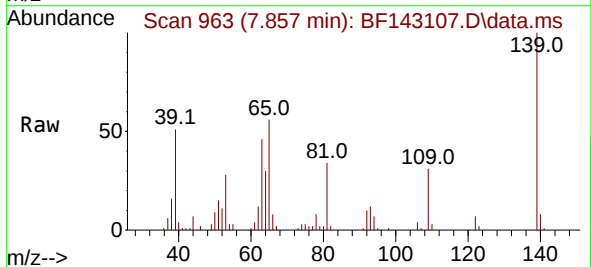
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

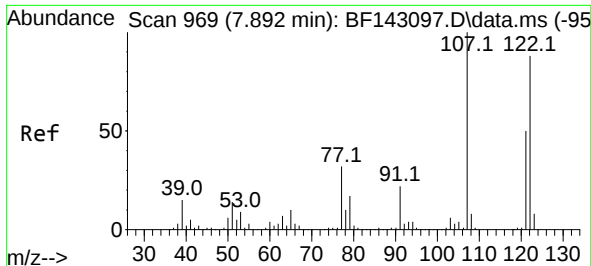
Tgt Ion: 82 Resp: 163434
Ion Ratio Lower Upper
82 100
95 7.0 5.6 8.4
138 16.9 14.3 21.5



#26
2-Nitrophenol
Concen: 11.285 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:139 Resp: 26963
Ion Ratio Lower Upper
139 100
109 30.8 23.4 35.0
65 55.9 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 10.251 ng

RT: 7.886 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

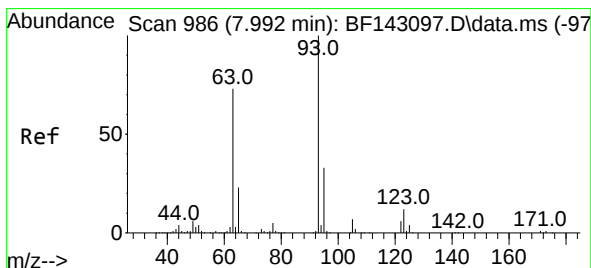
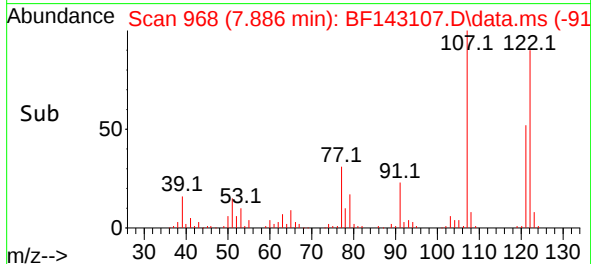
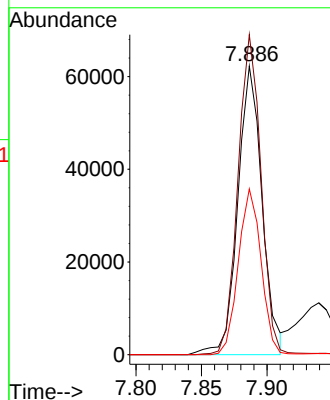
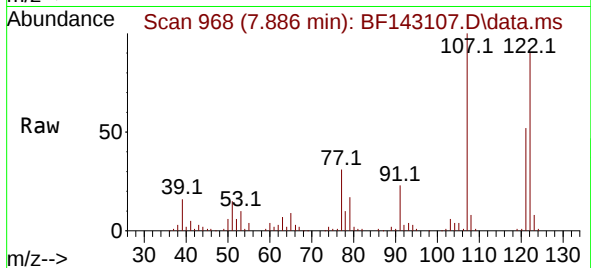
Tgt Ion:122 Resp: 80231

Ion Ratio Lower Upper

122 100

107 110.9 91.3 136.9

121 57.4 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 10.078 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

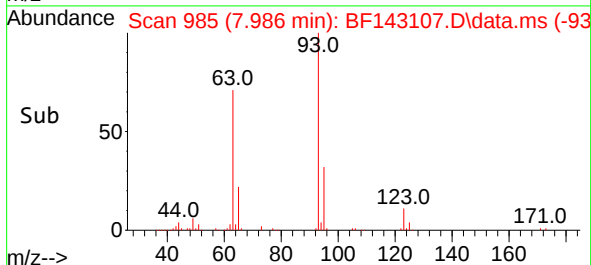
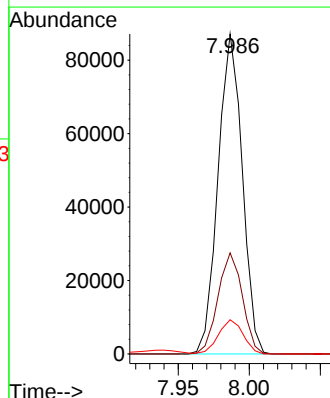
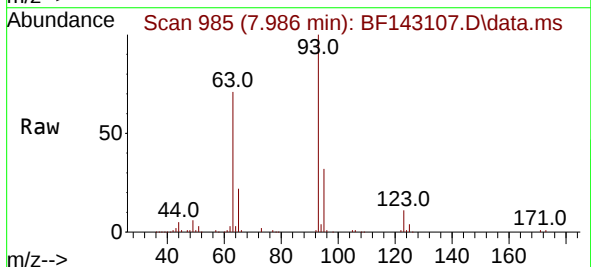
Tgt Ion: 93 Resp: 103057

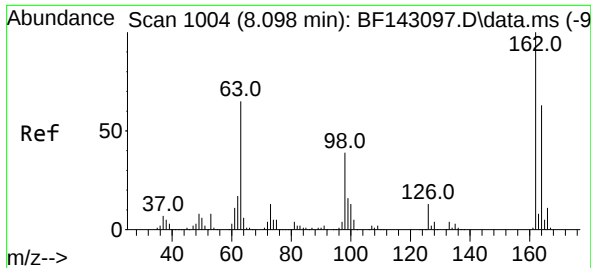
Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.4

123 10.7 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 10.193 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

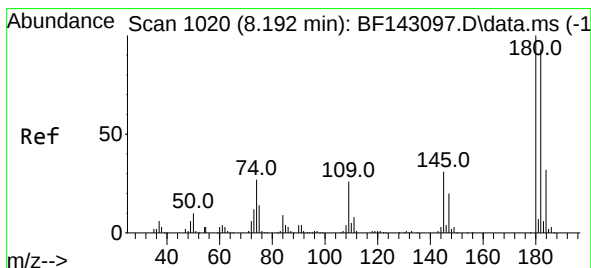
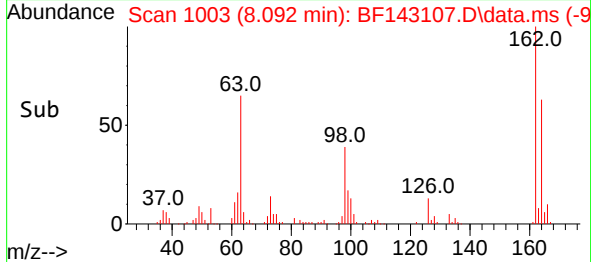
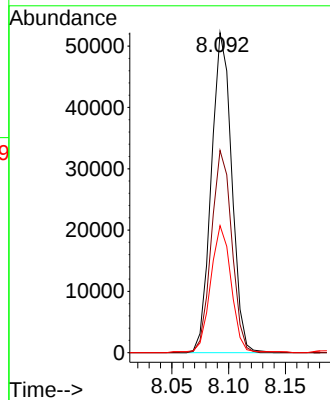
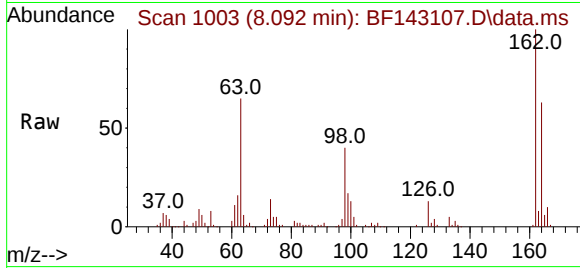
Tgt Ion:162 Resp: 65267

Ion Ratio Lower Upper

162 100

164 63.2 43.1 83.1

98 39.7 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 9.955 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

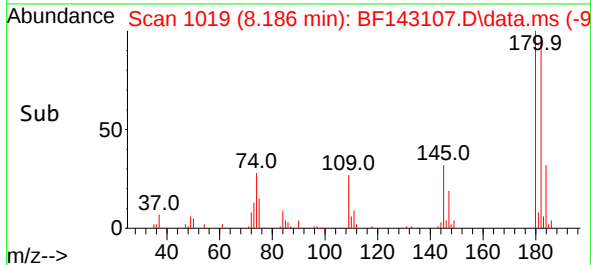
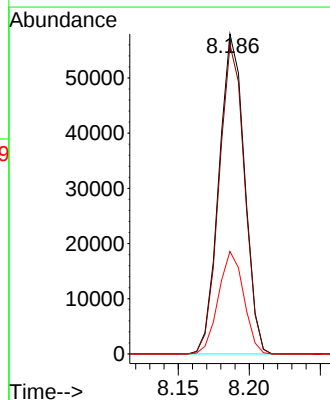
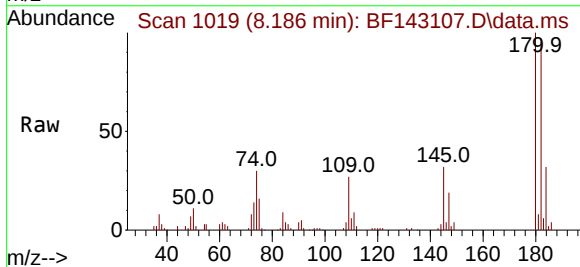
Tgt Ion:180 Resp: 72342

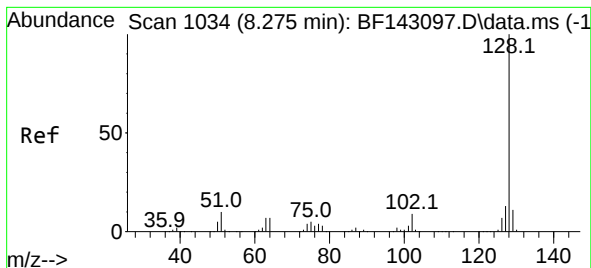
Ion Ratio Lower Upper

180 100

182 96.6 74.7 112.1

145 32.0 24.5 36.7





#31

Naphthalene

Concen: 10.322 ng

RT: 8.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

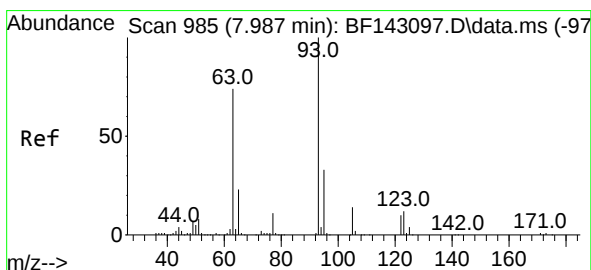
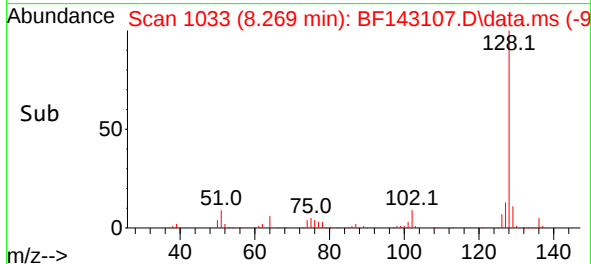
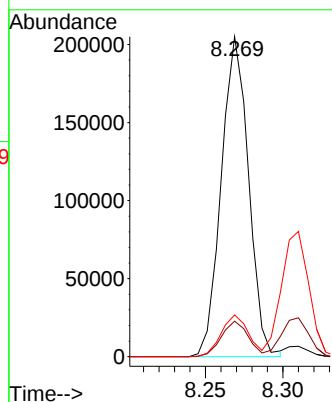
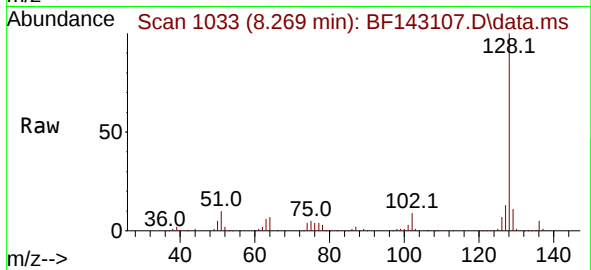
Tgt Ion:128 Resp: 250866

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.0 10.5 15.7



#32

Benzoic acid

Concen: 11.310 ng

RT: 7.939 min Scan# 977

Delta R.T. -0.048 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

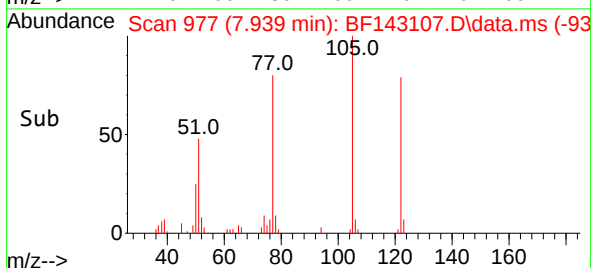
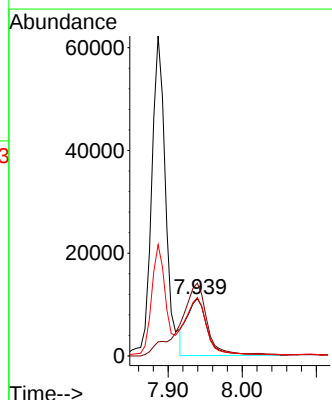
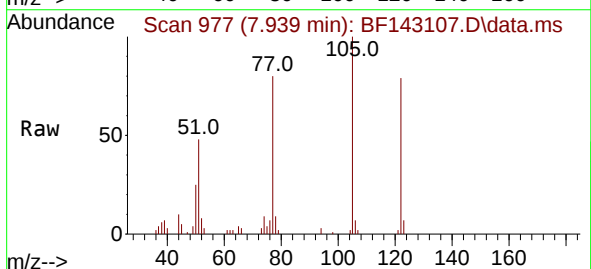
Tgt Ion:122 Resp: 21613

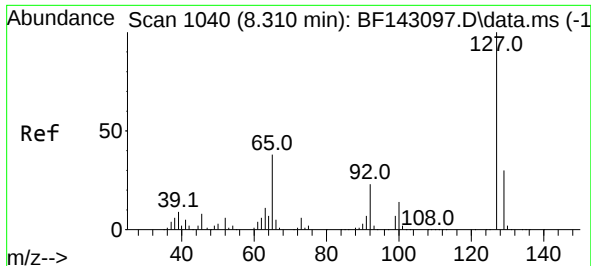
Ion Ratio Lower Upper

122 100

105 126.8 105.4 145.4

77 101.7 78.6 118.6

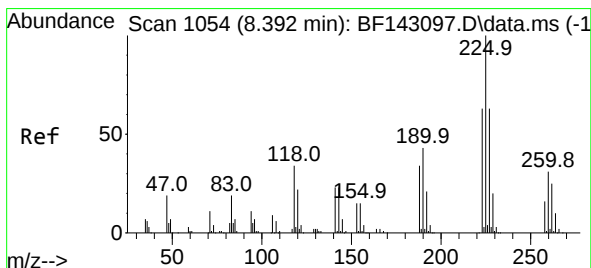
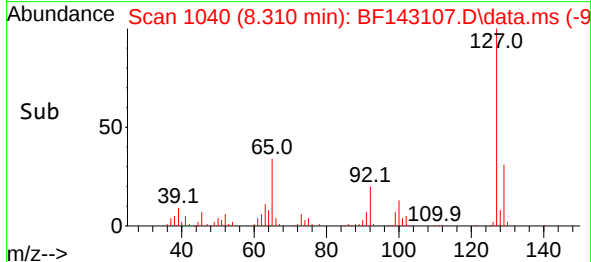
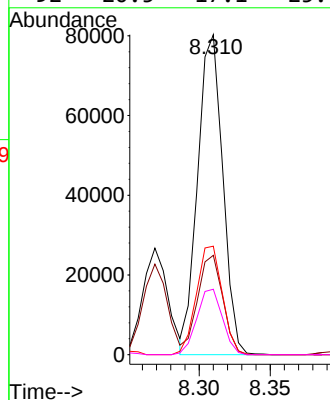
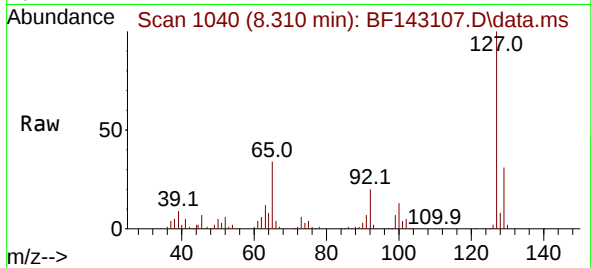




#33
4-Chloroaniline
Concen: 10.107 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

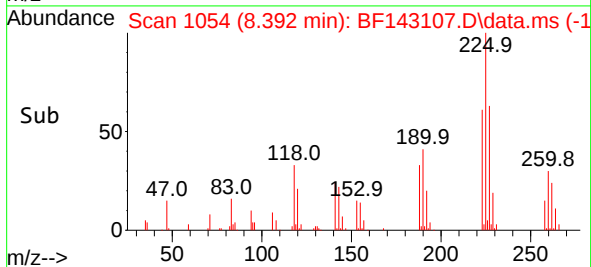
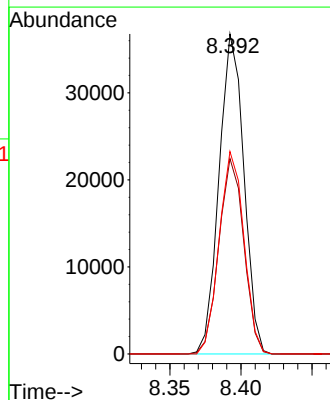
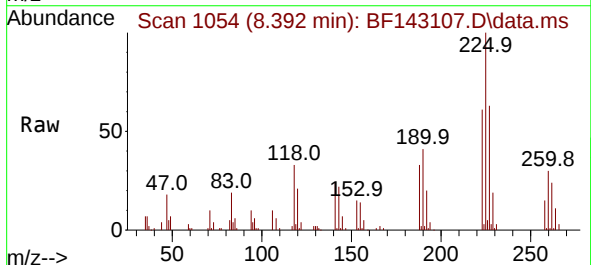
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2025

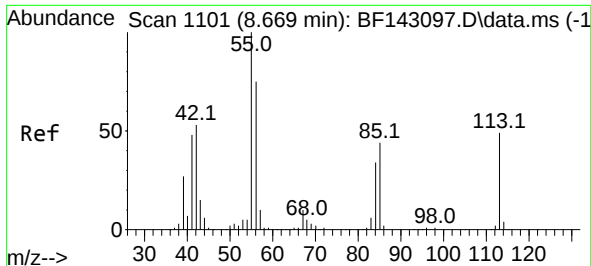
Tgt Ion:	127	Resp:	98782
Ion Ratio	Lower	Upper	
127	100		
129	31.1	26.2	39.4
65	33.9	28.6	42.8
92	20.5	17.1	25.7



#34
Hexachlorobutadiene
Concen: 10.273 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	225	Resp:	44645
Ion Ratio	Lower	Upper	
225	100		
223	61.1	50.3	75.5
227	63.2	50.1	75.1

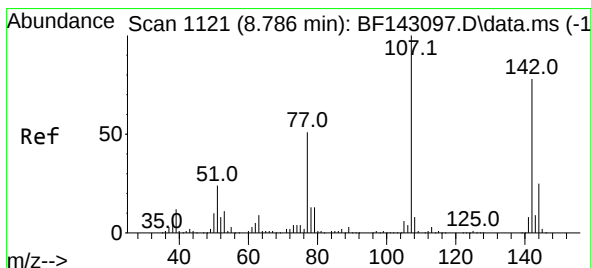
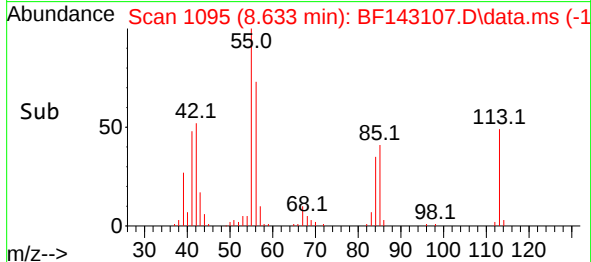
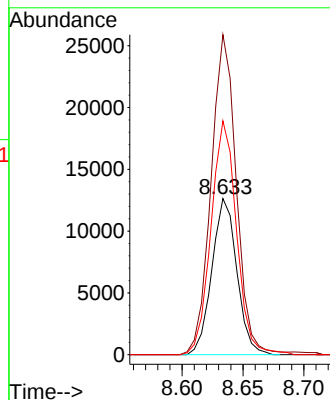
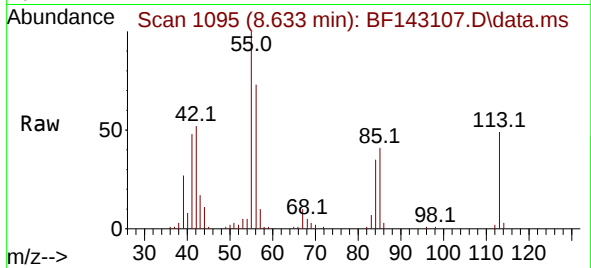




#35
 Caprolactam
 Concen: 9.001 ng
 RT: 8.633 min Scan# 1101
 Delta R.T. -0.035 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37

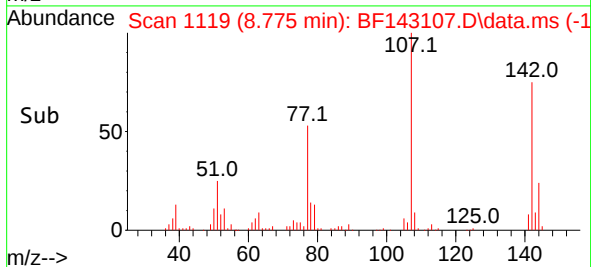
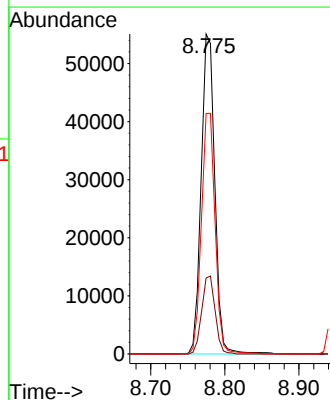
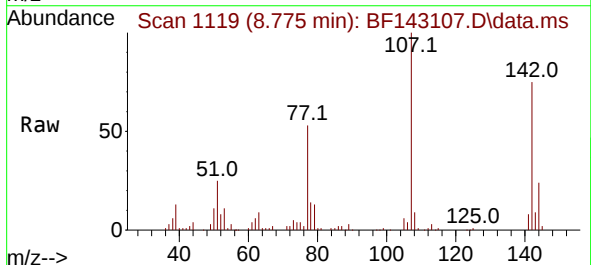
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

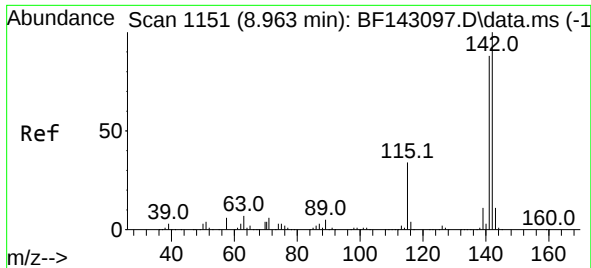
Tgt Ion:113 Resp: 17997
 Ion Ratio Lower Upper
 113 100
 55 204.9 186.2 226.2
 56 149.7 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 9.863 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.012 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37

Tgt Ion:107 Resp: 70351
 Ion Ratio Lower Upper
 107 100
 144 23.8 20.2 30.2
 142 75.2 62.4 93.6

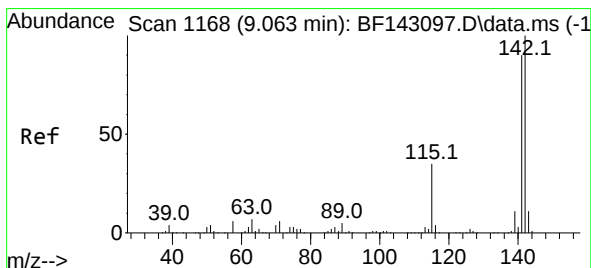
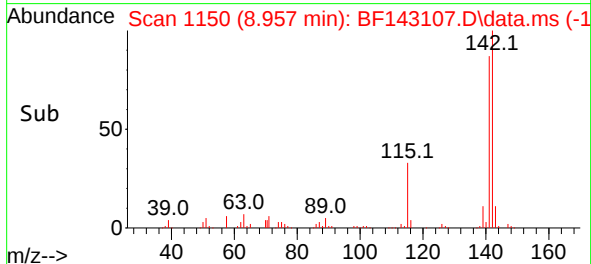
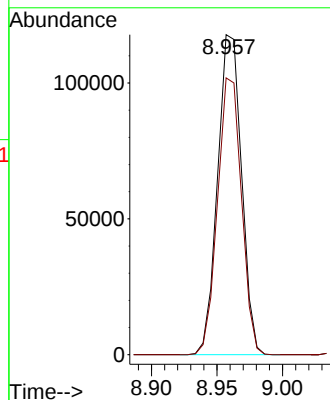
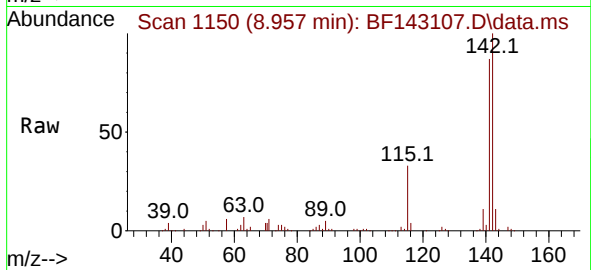




#37
2-Methylnaphthalene
Concen: 10.322 ng
RT: 8.957 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

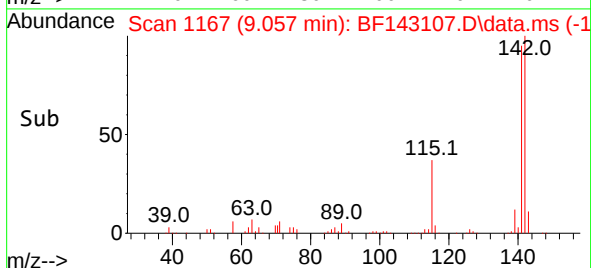
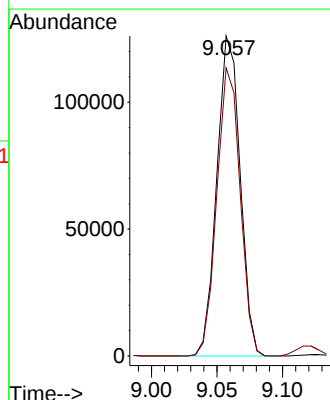
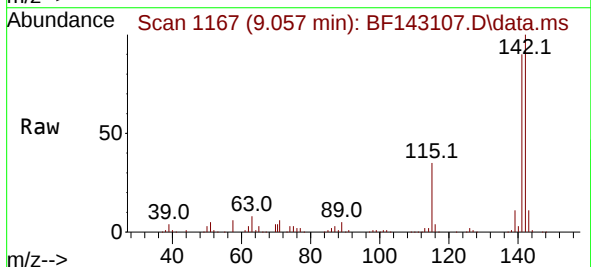
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

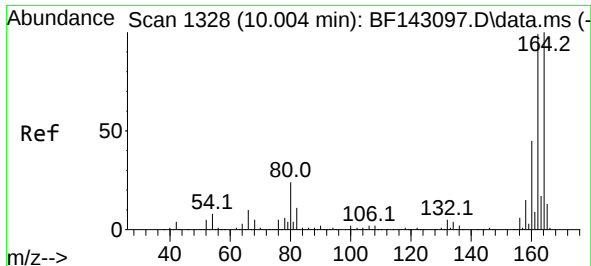
Tgt Ion:142 Resp: 149655
Ion Ratio Lower Upper
142 100
141 86.5 70.2 105.2



#38
1-Methylnaphthalene
Concen: 10.362 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:142 Resp: 155830
Ion Ratio Lower Upper
142 100
141 90.1 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143107.D

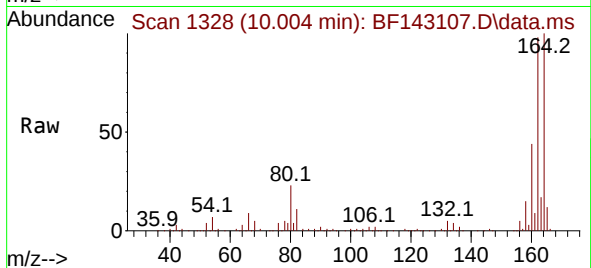
Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025



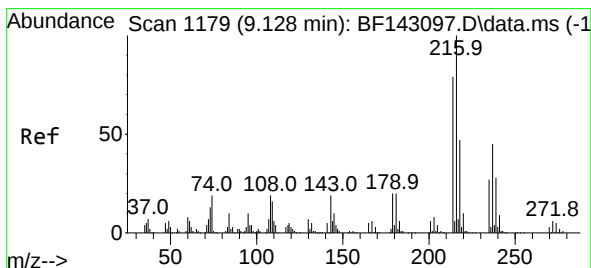
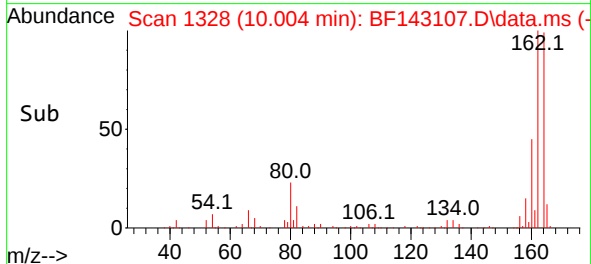
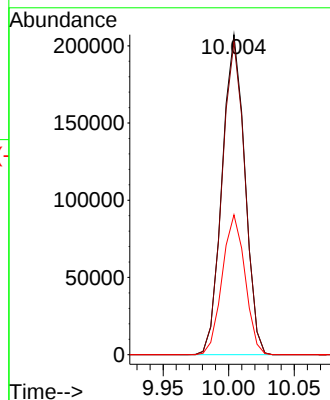
Tgt Ion:164 Resp: 248832

Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

160 43.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.197 ng

RT: 9.128 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Tgt Ion:216 Resp: 73944

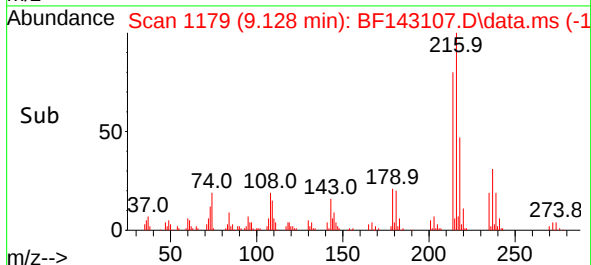
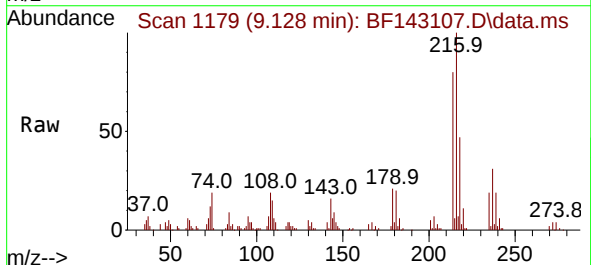
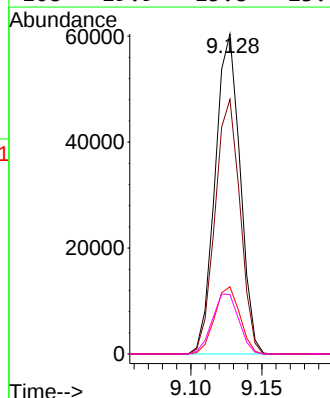
Ion Ratio Lower Upper

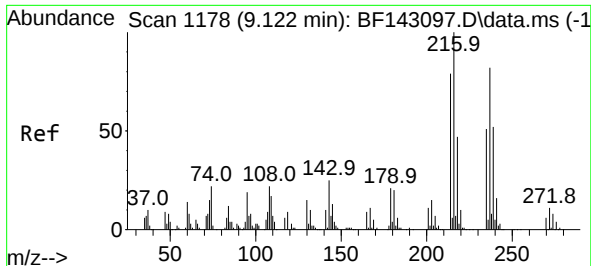
216 100

214 79.4 62.6 94.0

179 21.1 16.2 24.2

108 19.9 15.8 23.6

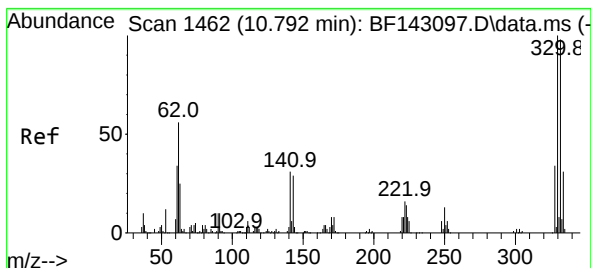
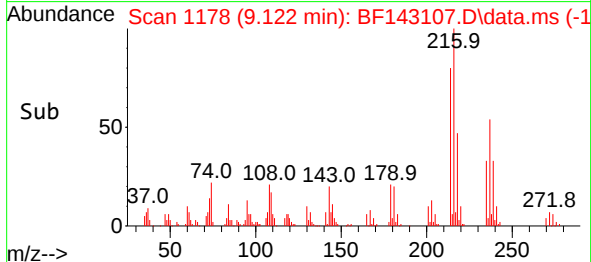
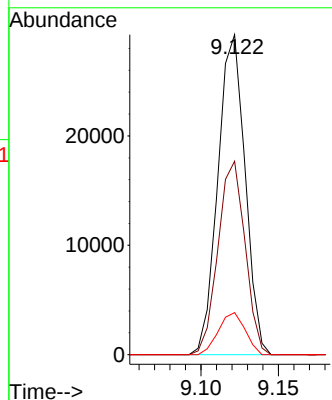
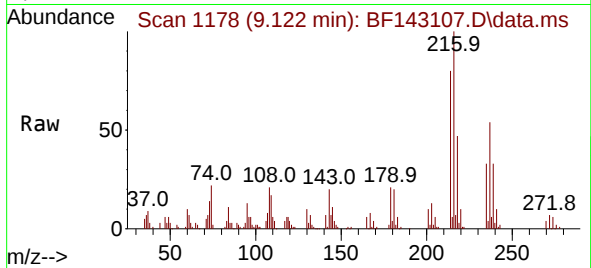




#41
Hexachlorocyclopentadiene
Concen: 8.884 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

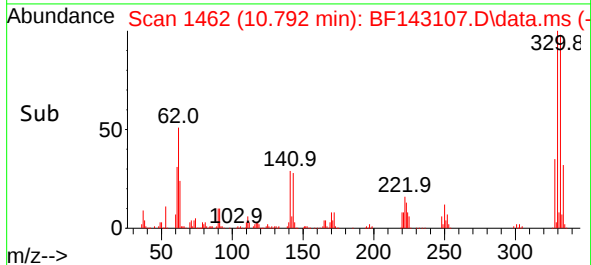
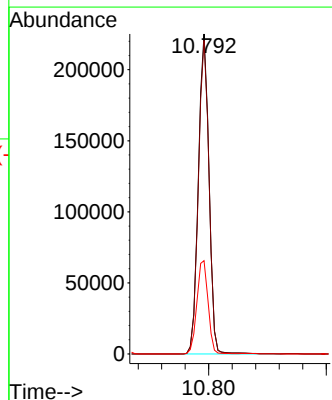
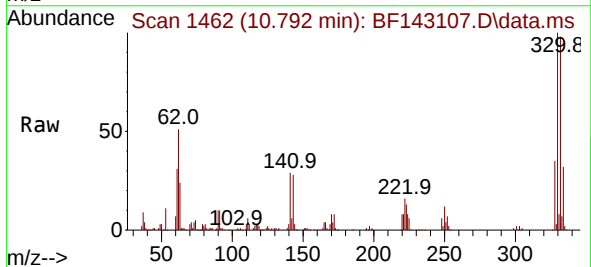
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

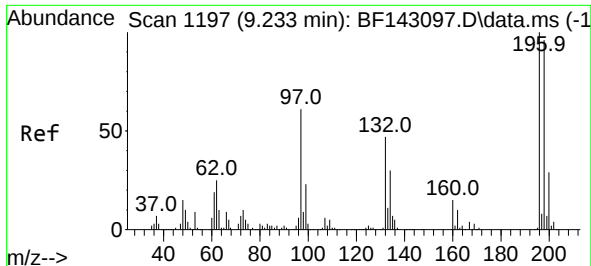
Tgt Ion:	237	Resp:	35719
Ion	Ratio	Lower	Upper
237	100		
235	60.5	41.6	81.6
272	13.2	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 127.521 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:	330	Resp:	282933
Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.9	116.9
141	30.6	25.9	38.9

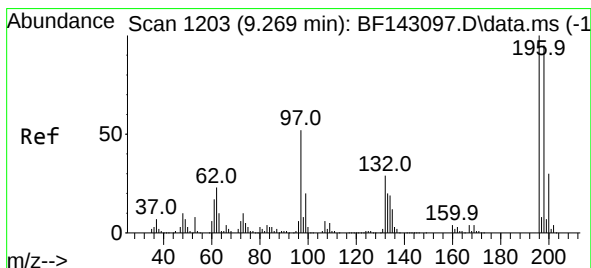
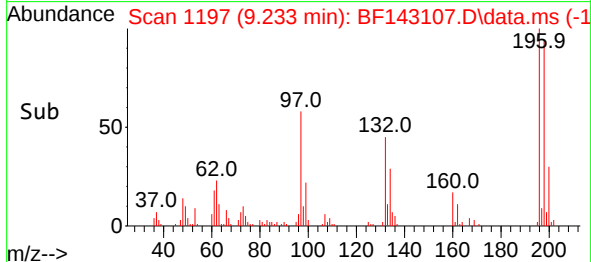
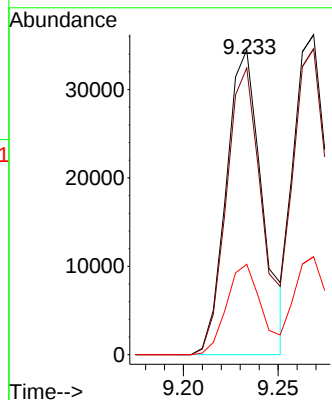
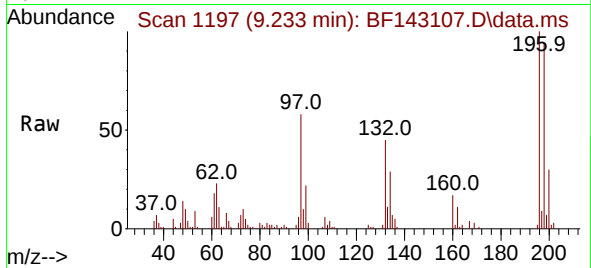




#43
2,4,6-Trichlorophenol
Concen: 10.119 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

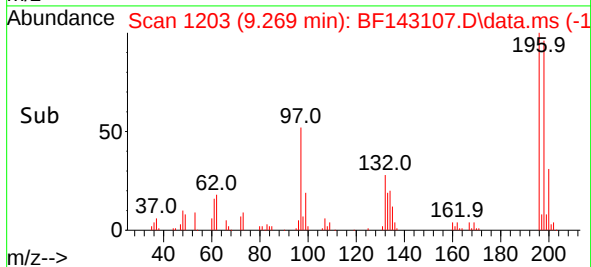
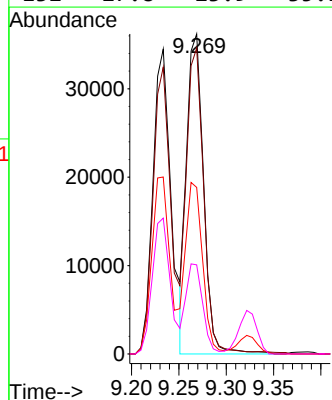
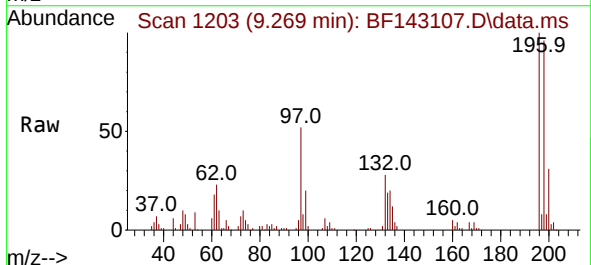
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

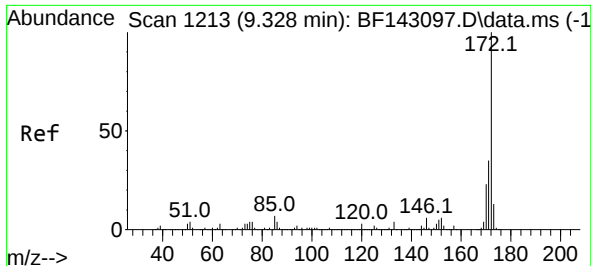
Tgt Ion:196 Resp: 45592
Ion Ratio Lower Upper
196 100
198 94.1 76.9 115.3
200 29.6 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 9.598 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:196 Resp: 45348
Ion Ratio Lower Upper
196 100
198 95.6 76.4 114.6
97 52.0 42.4 63.6
132 27.8 23.9 35.9

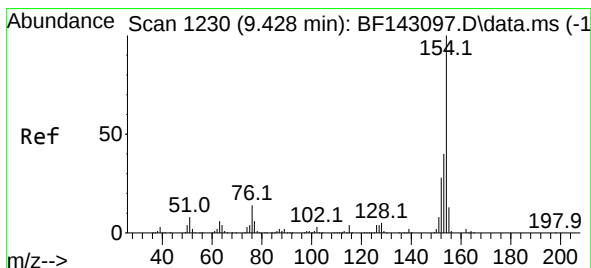
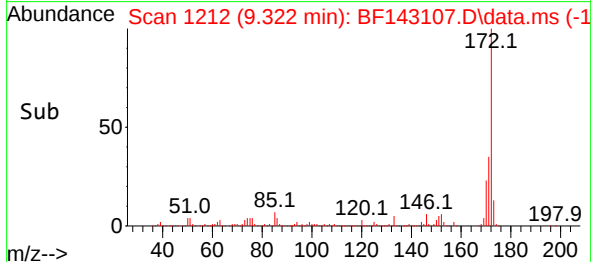
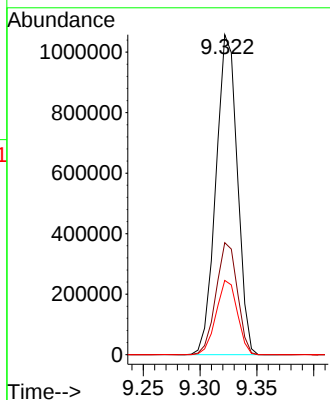
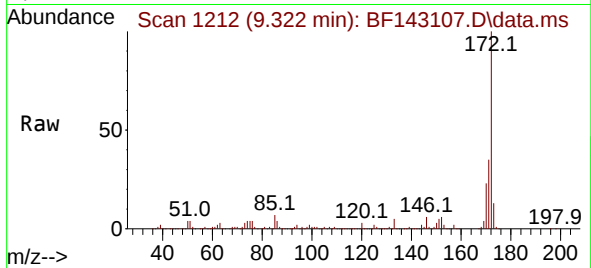




#45
2-Fluorobiphenyl
Concen: 74.176 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

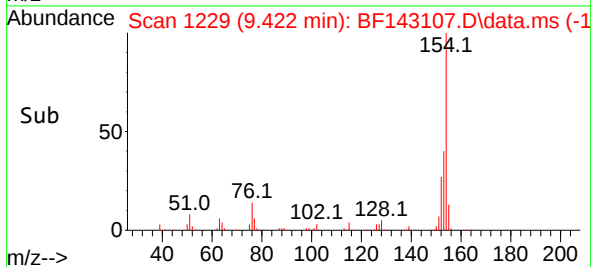
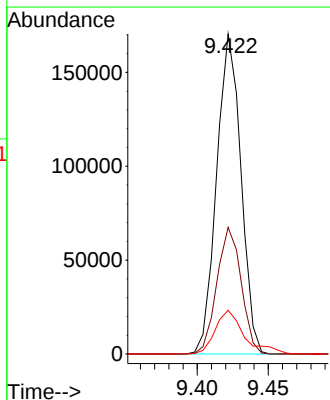
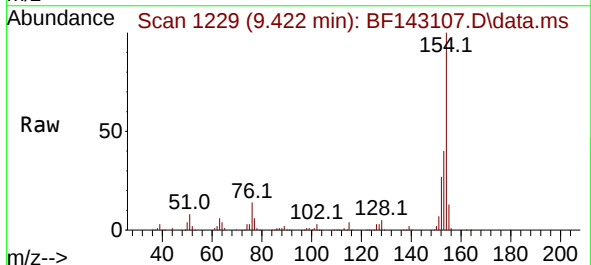
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

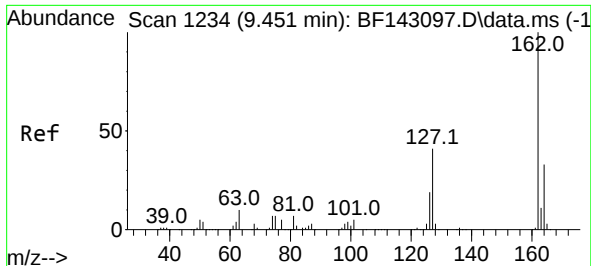
Tgt Ion:172 Resp: 1388517
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.2 18.6 28.0



#46
1,1'-Biphenyl
Concen: 10.201 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:154 Resp: 202434
Ion Ratio Lower Upper
154 100
153 39.6 20.1 60.1
76 13.7 0.0 33.7





#47

2-Chloronaphthalene

Concen: 10.072 ng

RT: 9.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143107.D

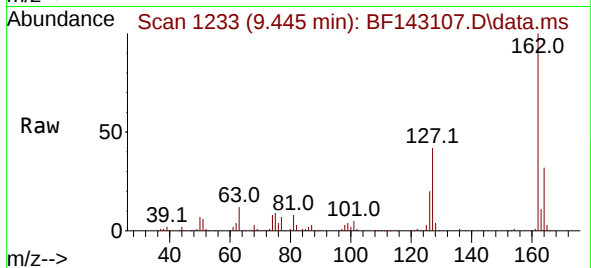
Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025



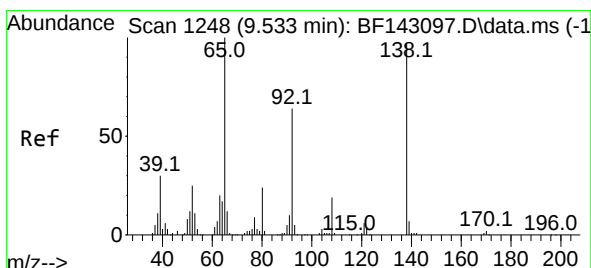
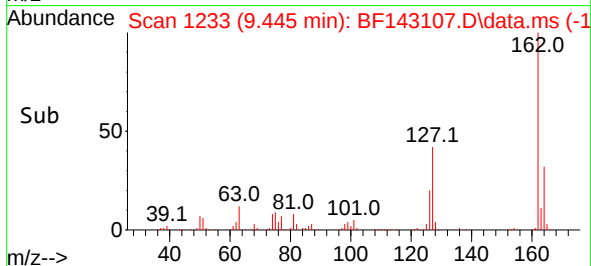
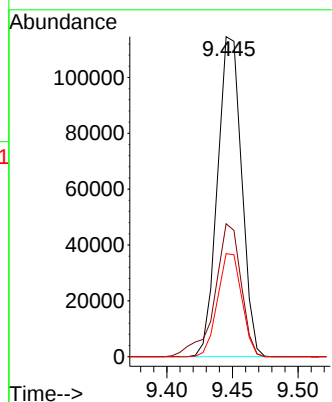
Tgt Ion:162 Resp: 146822

Ion Ratio Lower Upper

162 100

127 41.5 33.0 49.6

164 32.2 26.1 39.1



#48

2-Nitroaniline

Concen: 10.603 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

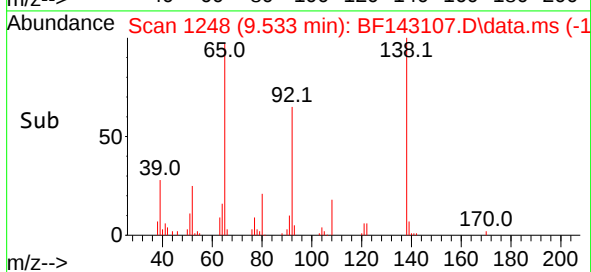
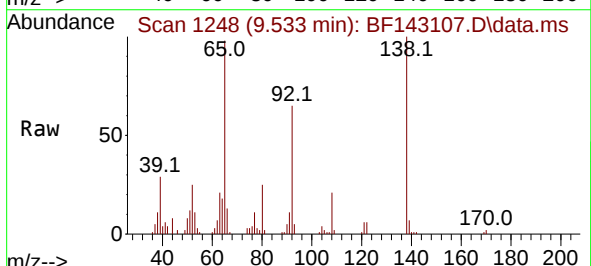
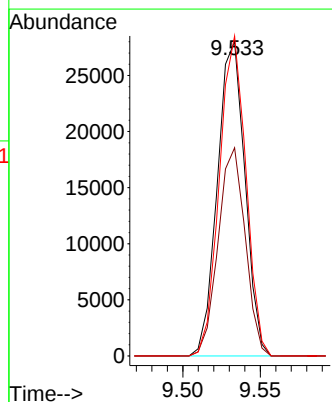
Tgt Ion: 65 Resp: 34619

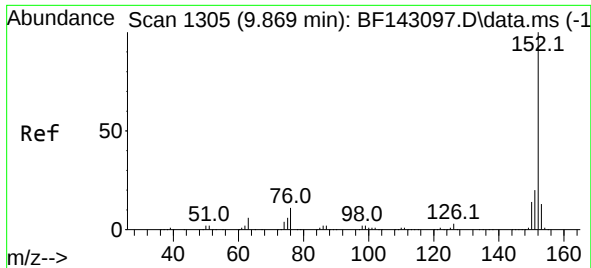
Ion Ratio Lower Upper

65 100

92 66.2 51.3 76.9

138 101.8 77.8 116.6

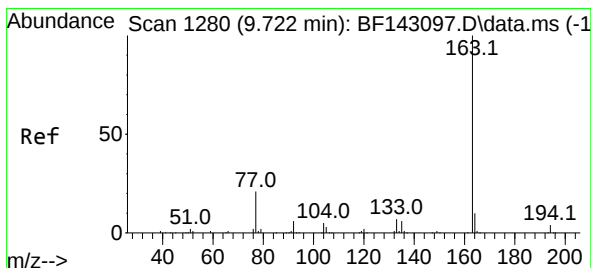
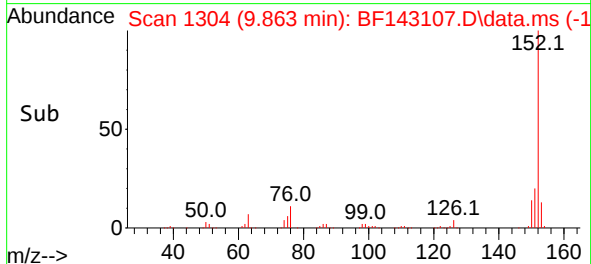
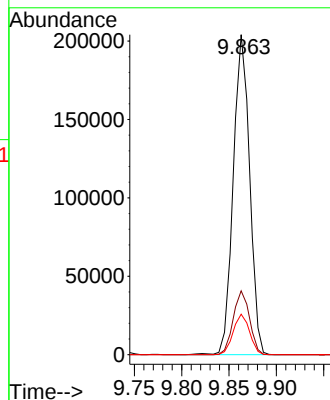
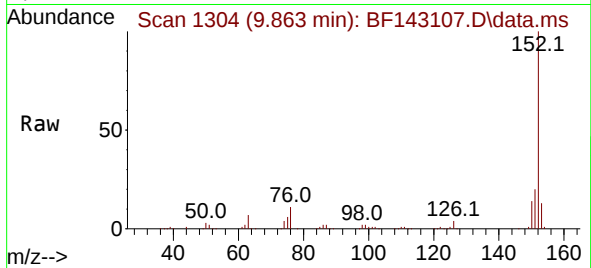




#49
Acenaphthylene
Concen: 10.082 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

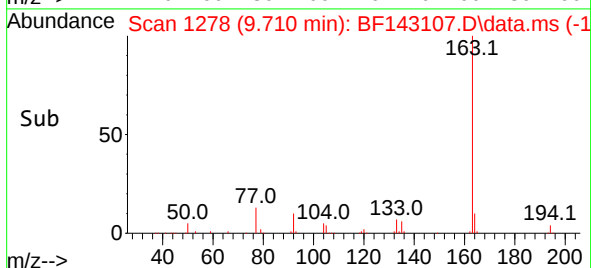
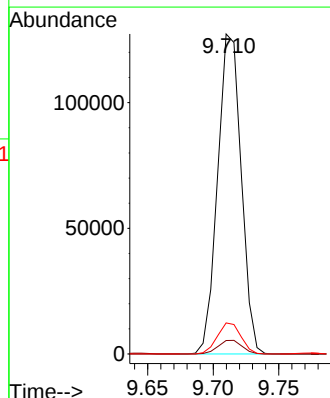
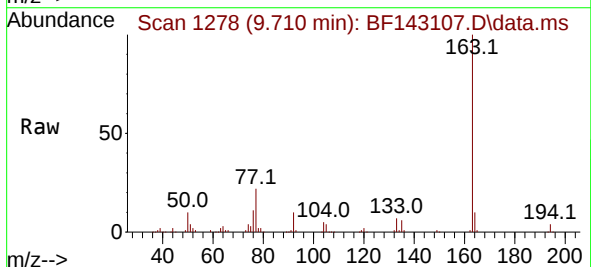
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

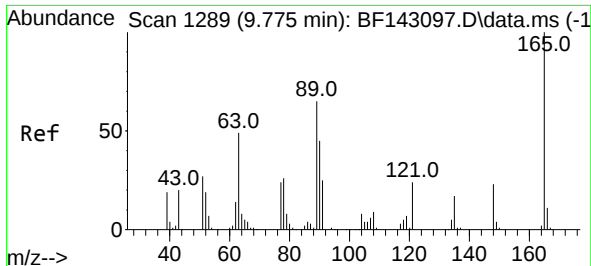
Tgt Ion:152 Resp: 244909
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 12.7 10.4 15.6



#50
Dimethylphthalate
Concen: 10.166 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:163 Resp: 159143
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 9.7 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 10.685 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

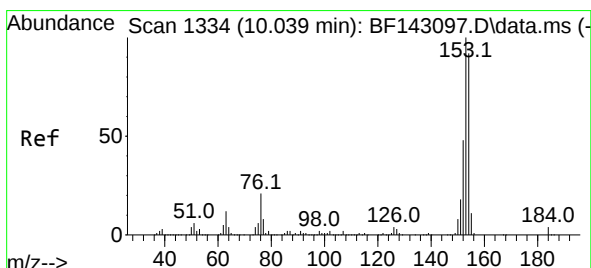
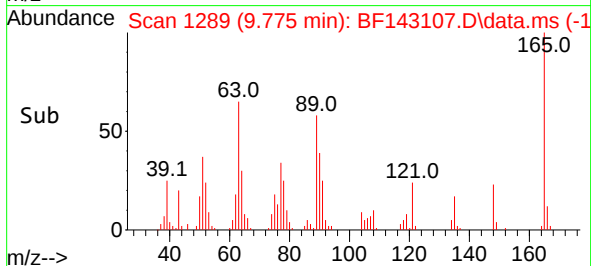
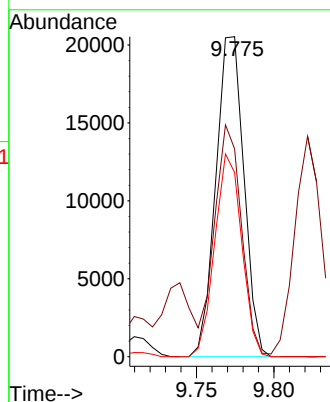
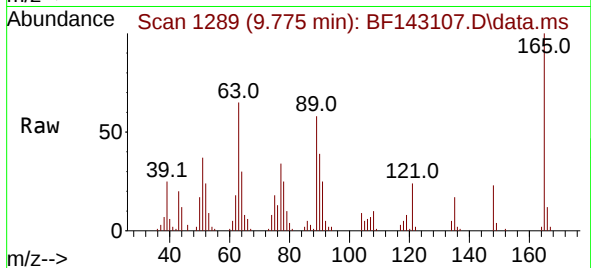
Tgt Ion:165 Resp: 25913

Ion Ratio Lower Upper

165 100

63 64.9 57.4 86.0

89 57.5 51.8 77.8



#52

Acenaphthene

Concen: 10.033 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

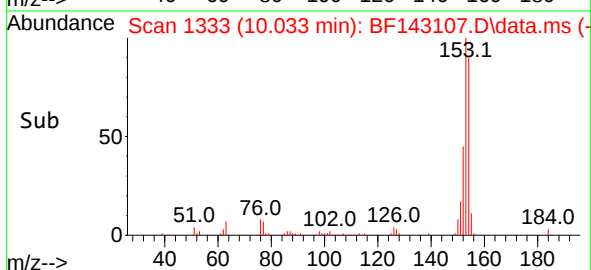
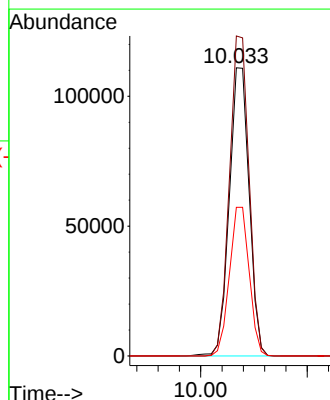
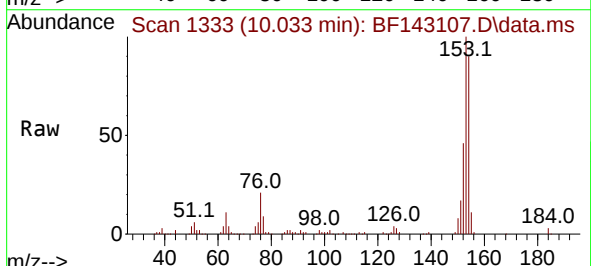
Tgt Ion:154 Resp: 143817

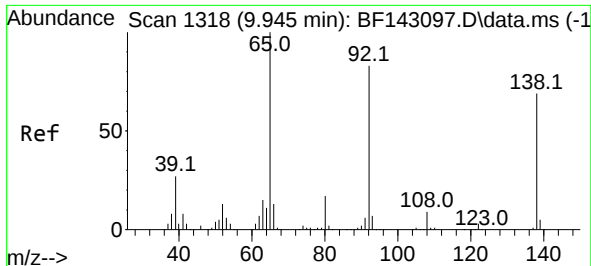
Ion Ratio Lower Upper

154 100

153 111.1 86.7 130.1

152 51.6 41.4 62.2

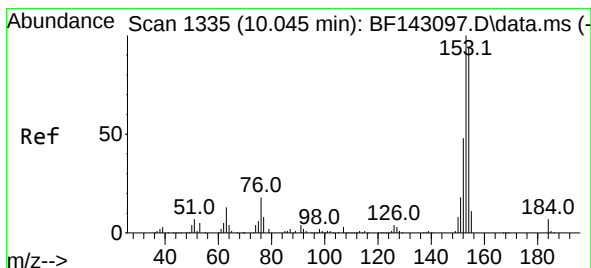
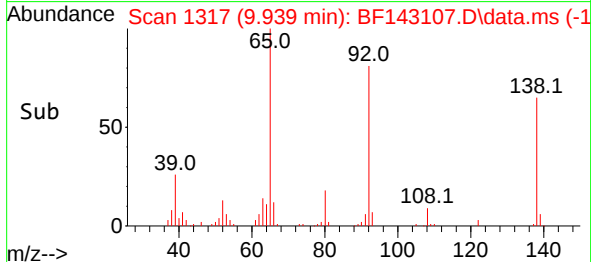
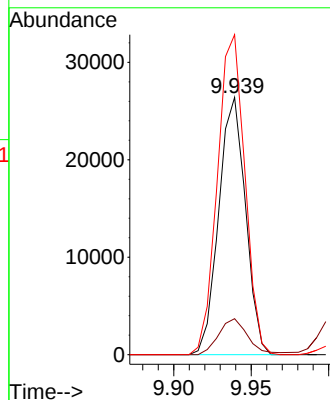
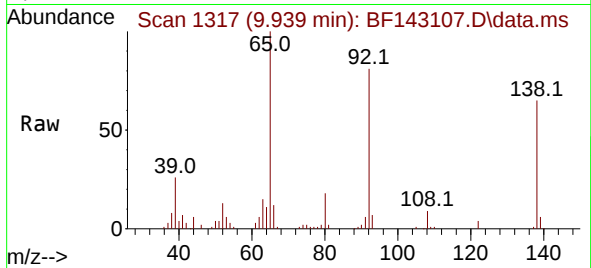




#53
3-Nitroaniline
Concen: 9.387 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

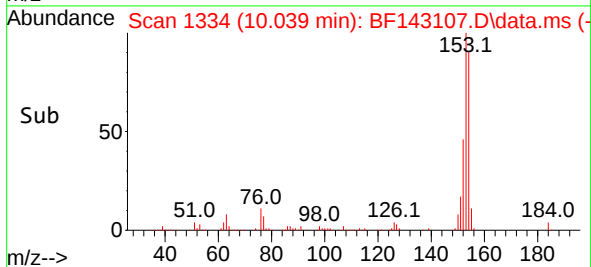
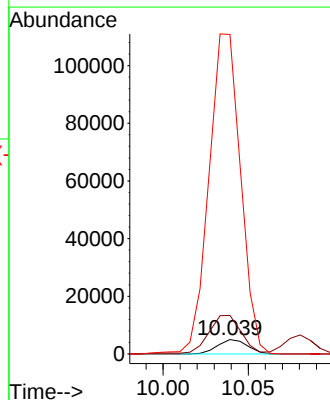
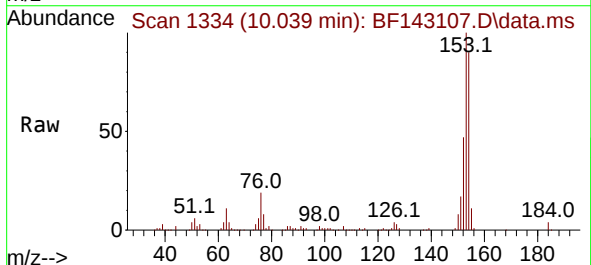
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

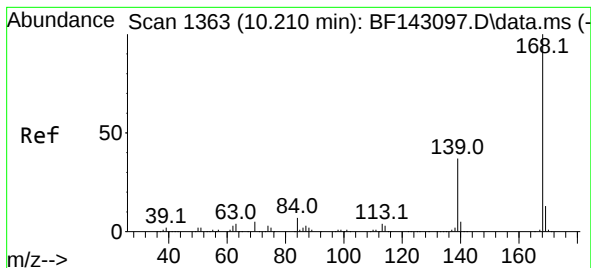
Tgt Ion:138 Resp: 31751
Ion Ratio Lower Upper
138 100
108 14.0 10.1 15.1
92 124.4 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 11.721 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:184 Resp: 6097
Ion Ratio Lower Upper
184 100
63 268.0 149.3 223.9#
154 2220.8 1048.0 1572.0#





#55

Dibenzenofuran

Concen: 10.011 ng

RT: 10.210 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

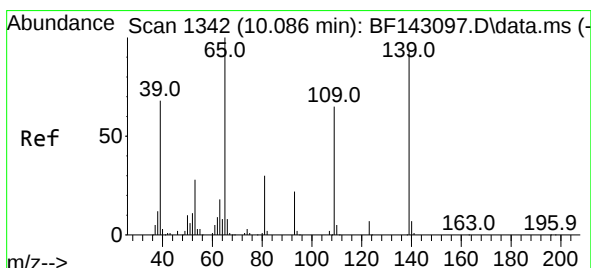
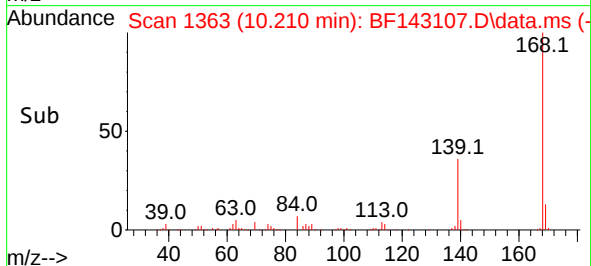
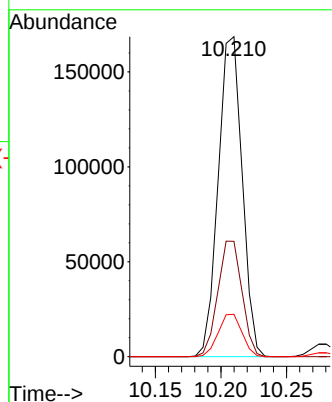
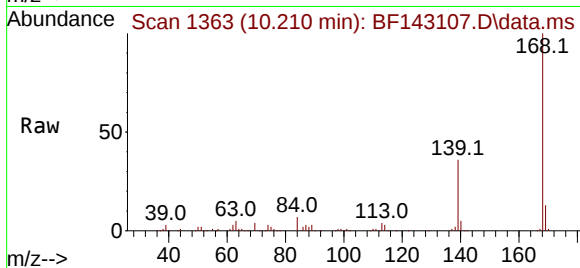
Tgt Ion:168 Resp: 213891

Ion Ratio Lower Upper

168 100

139 36.1 29.8 44.6

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 8.754 ng

RT: 10.080 min Scan# 1341

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

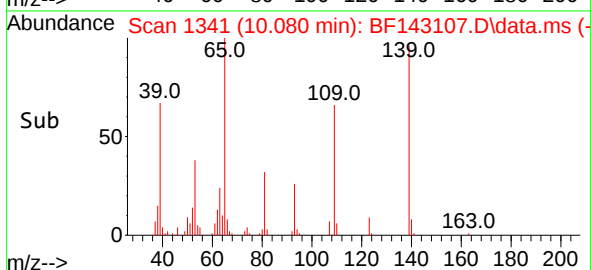
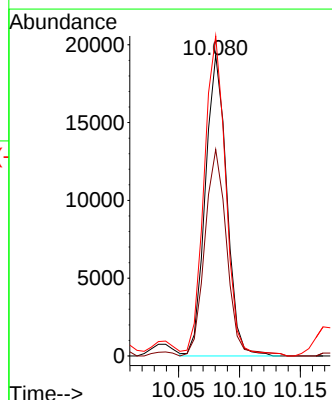
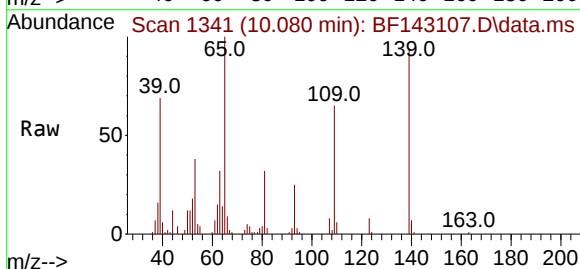
Tgt Ion:139 Resp: 23533

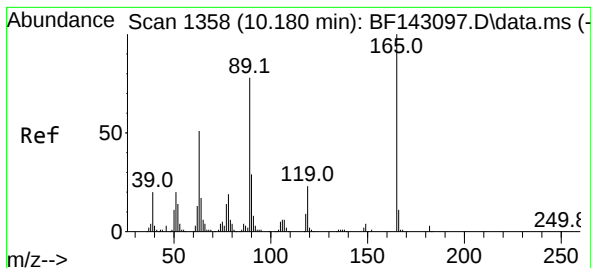
Ion Ratio Lower Upper

139 100

109 68.6 49.4 89.4

65 106.3 88.2 128.2

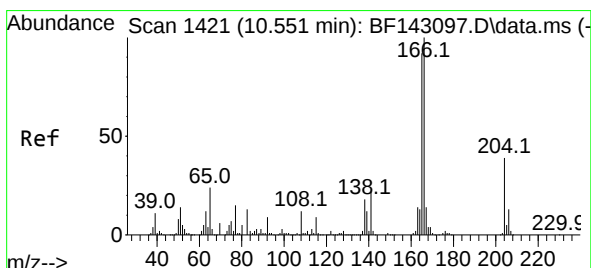
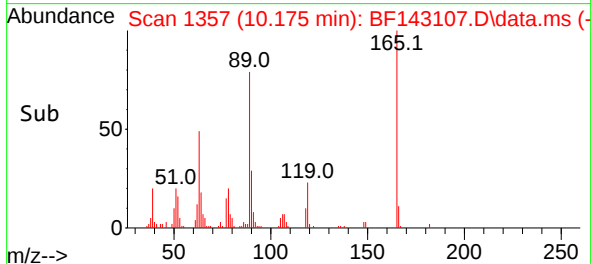
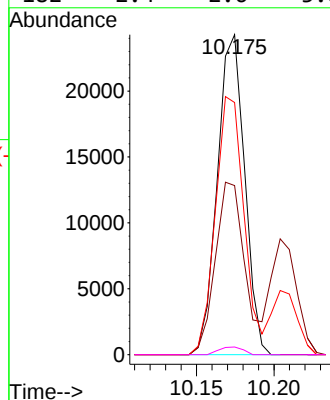
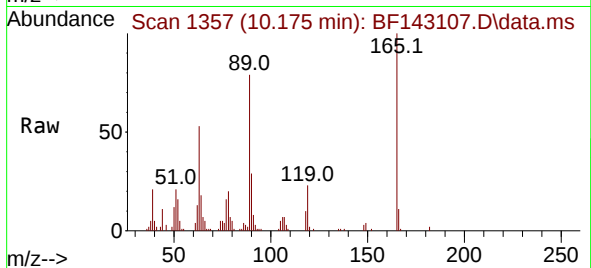




#57
2,4-Dinitrotoluene
Concen: 10.555 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

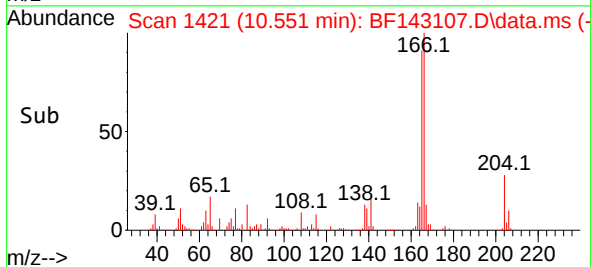
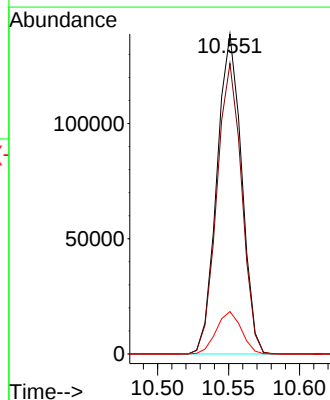
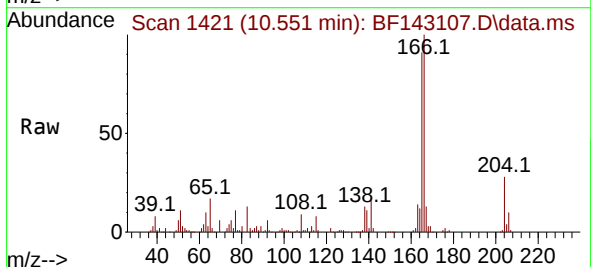
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

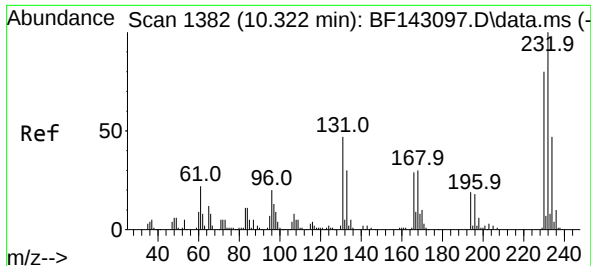
Tgt Ion:165 Resp: 29750
Ion Ratio Lower Upper
165 100
63 52.9 40.6 61.0
89 78.8 62.3 93.5
182 2.4 2.6 3.8#



#58
Fluorene
Concen: 10.465 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:166 Resp: 167638
Ion Ratio Lower Upper
166 100
165 90.8 73.7 110.5
167 13.2 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.165 ng

RT: 10.322 min Scan# 1382

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:232 Resp: 38164

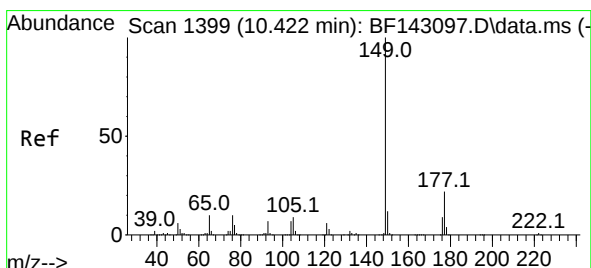
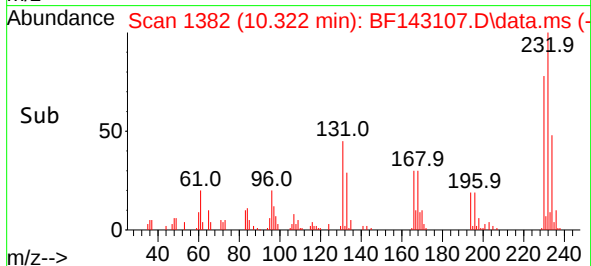
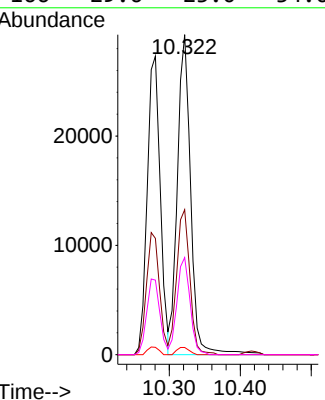
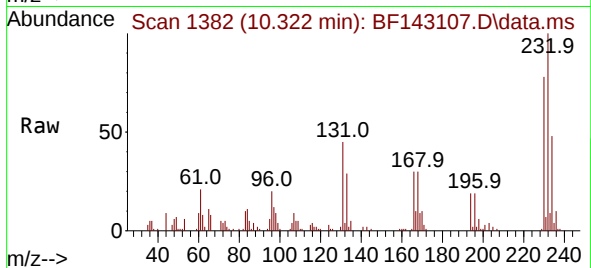
Ion Ratio Lower Upper

232 100

131 44.8 36.9 55.3

130 2.1 1.8 2.8

166 29.6 23.0 34.6



#60

Diethylphthalate

Concen: 9.805 ng

RT: 10.416 min Scan# 1398

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

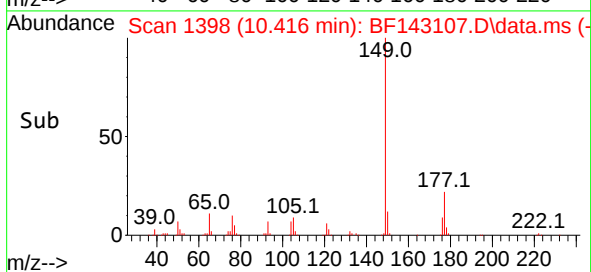
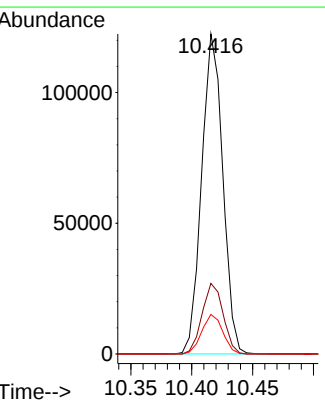
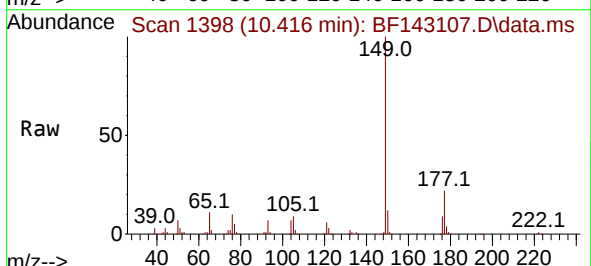
Tgt Ion:149 Resp: 148078

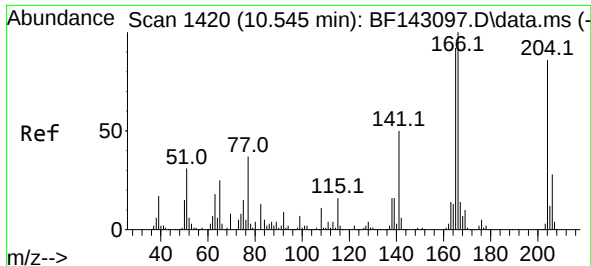
Ion Ratio Lower Upper

149 100

177 22.0 17.3 25.9

150 12.3 9.9 14.9

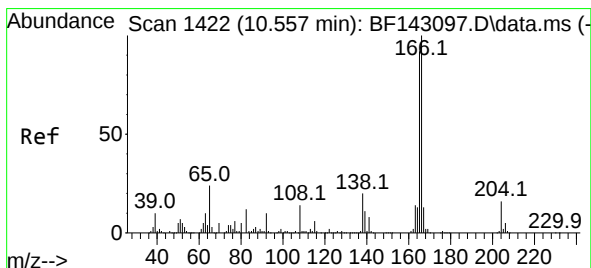
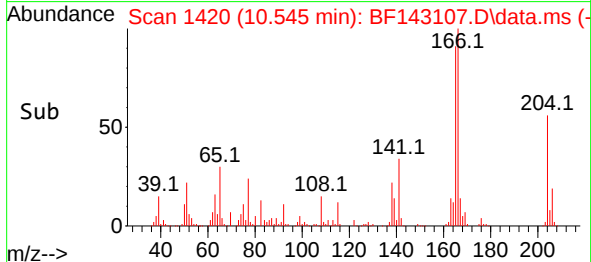
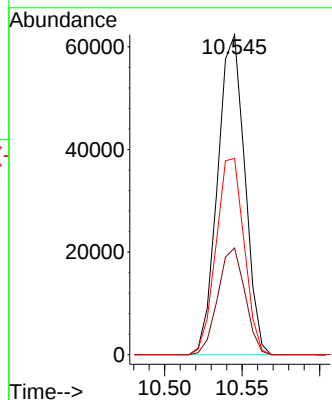
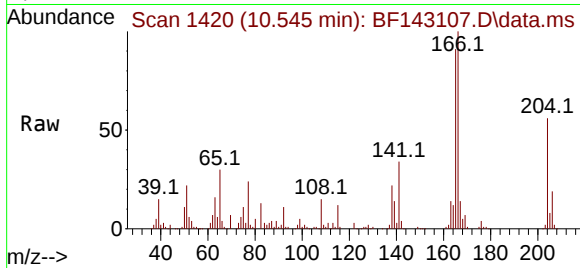




#61
4-Chlorophenyl-phenylether
Concen: 9.907 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

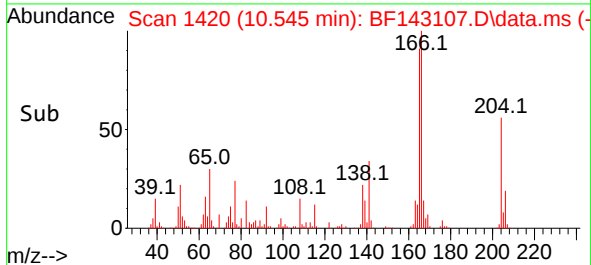
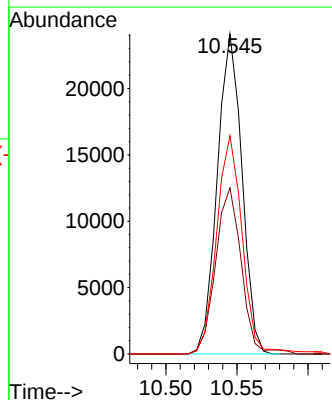
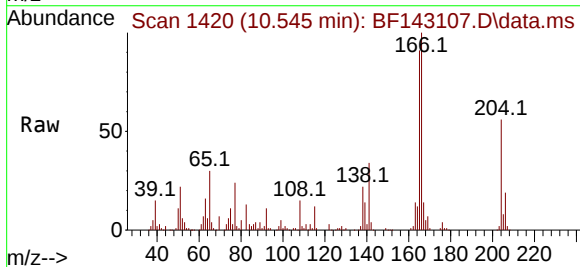
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

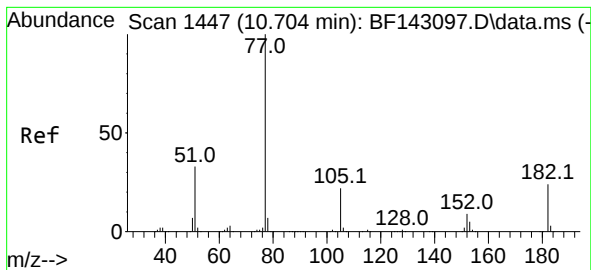
Tgt Ion:204 Resp: 76061
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.6
141 61.4 46.8 70.2



#62
4-Nitroaniline
Concen: 9.895 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:138 Resp: 29107
Ion Ratio Lower Upper
138 100
92 51.9 30.4 70.4
108 68.2 49.5 89.5





#63

Azobenzene

Concen: 9.776 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion: 77 Resp: 163295

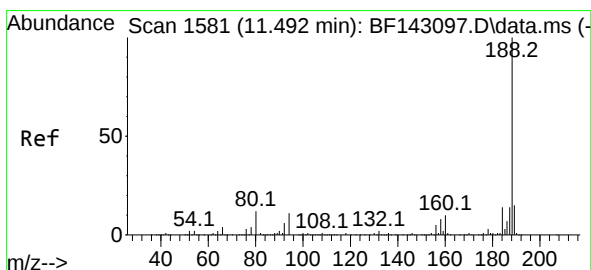
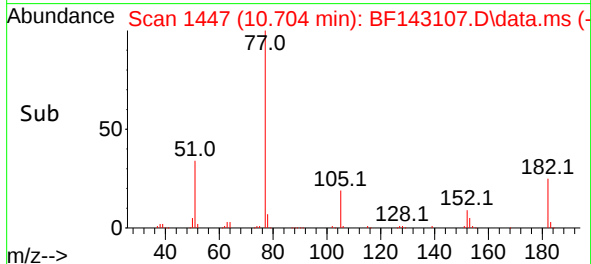
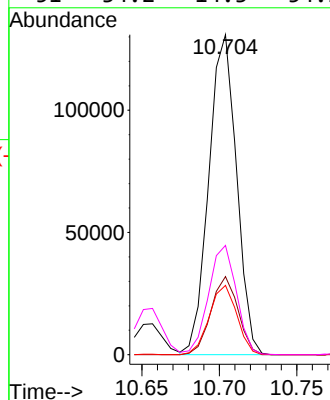
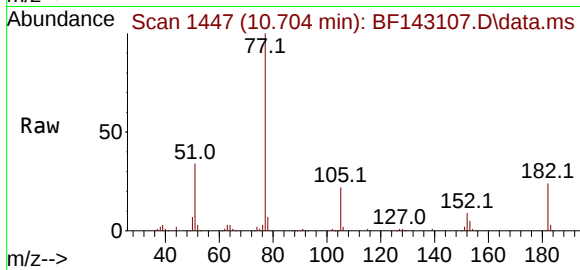
Ion Ratio Lower Upper

77 100

182 24.4 4.0 44.0

105 21.7 1.4 41.4

51 34.2 14.3 54.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

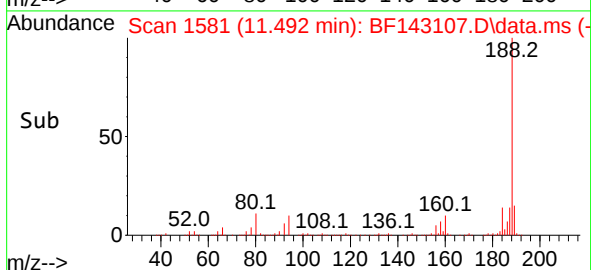
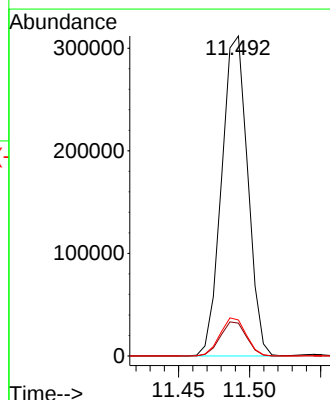
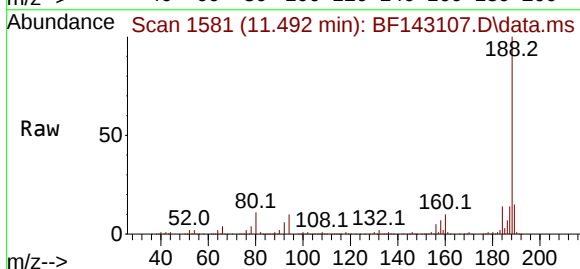
Tgt Ion: 188 Resp: 398720

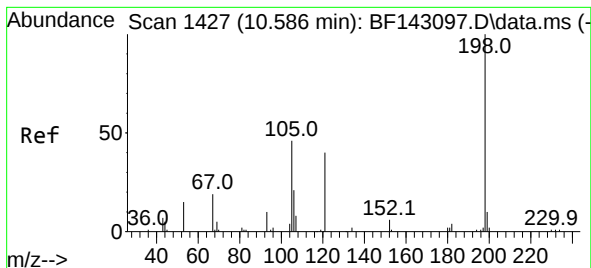
Ion Ratio Lower Upper

188 100

94 10.2 8.6 13.0

80 11.2 9.3 13.9

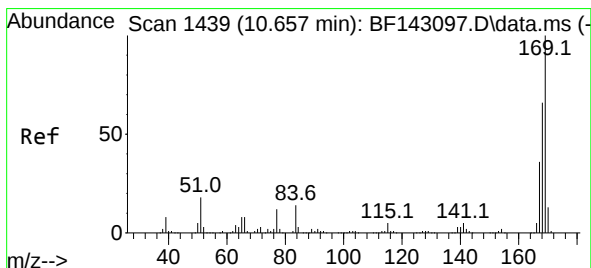
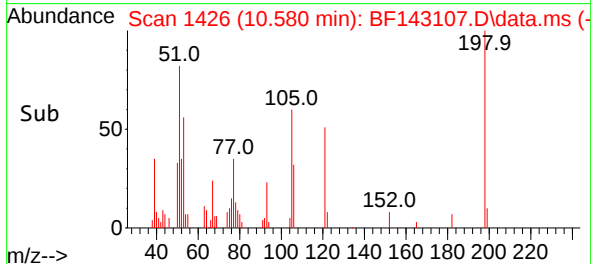
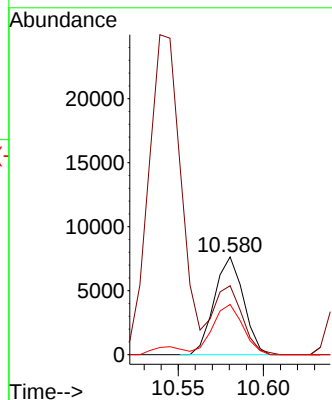
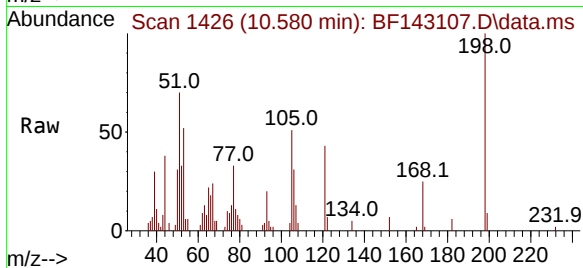




#65
4,6-Dinitro-2-methylphenol
Concen: 11.763 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

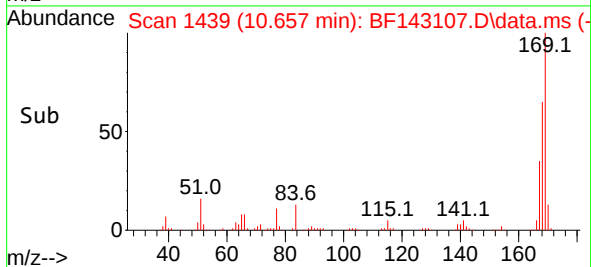
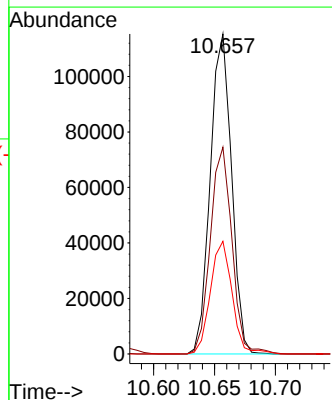
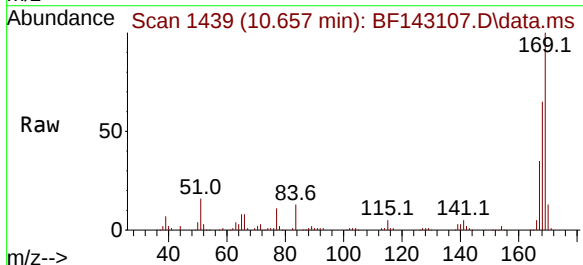
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

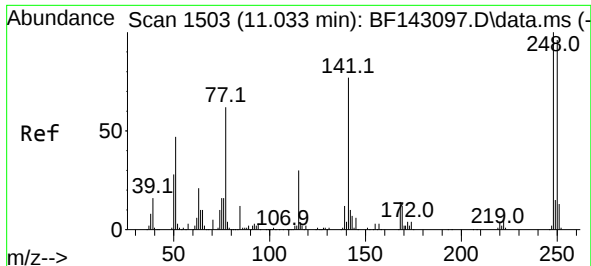
Tgt Ion:198 Resp: 9079
Ion Ratio Lower Upper
198 100
51 70.5 44.6 84.6
105 51.4 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 9.991 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:169 Resp: 139933
Ion Ratio Lower Upper
169 100
168 64.6 53.0 79.6
167 35.2 28.4 42.6





#67

4-Bromophenyl-phenylether

Concen: 9.972 ng

RT: 11.033 min Scan# 1503

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

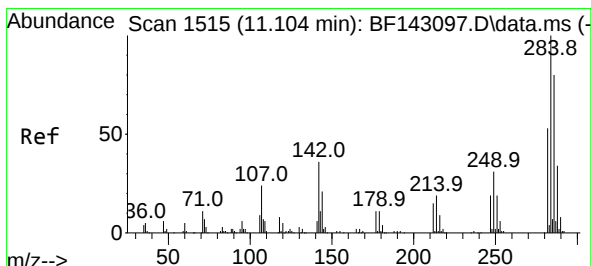
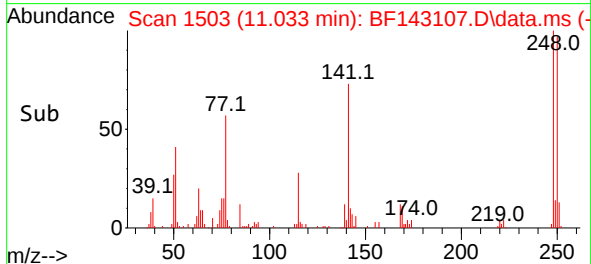
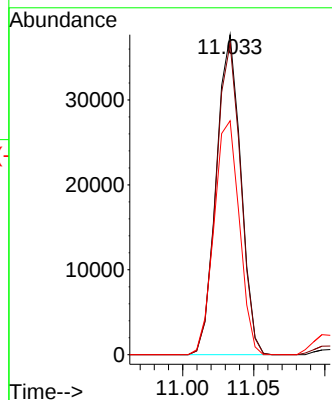
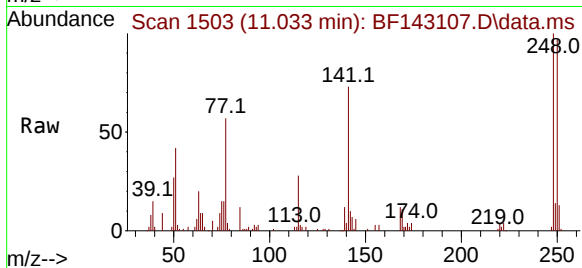
Tgt Ion:248 Resp: 45218

Ion Ratio Lower Upper

248 100

250 97.3 76.7 115.1

141 73.1 61.7 92.5



#68

Hexachlorobenzene

Concen: 9.811 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

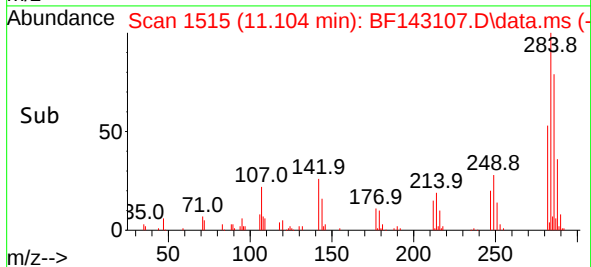
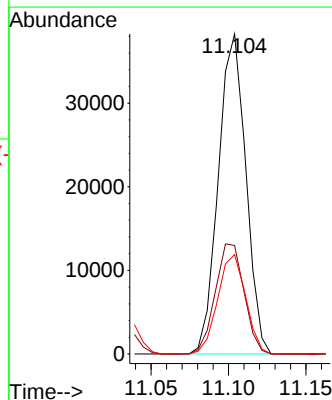
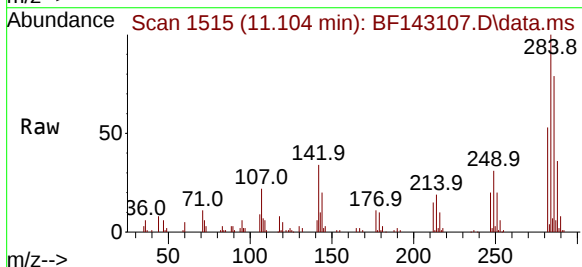
Tgt Ion:284 Resp: 47201

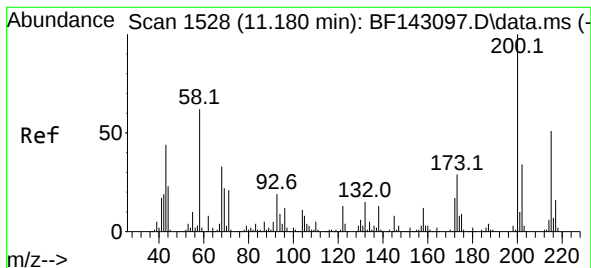
Ion Ratio Lower Upper

284 100

142 33.9 28.9 43.3

249 31.0 24.6 37.0





#69

Atrazine

Concen: 10.097 ng

RT: 11.174 min Scan# 1527

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

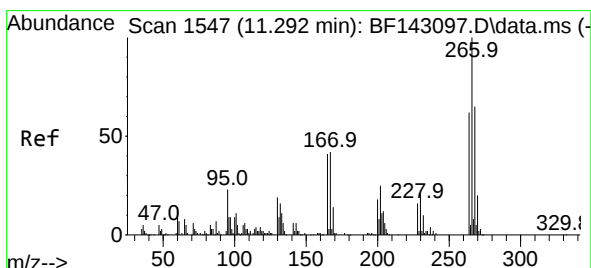
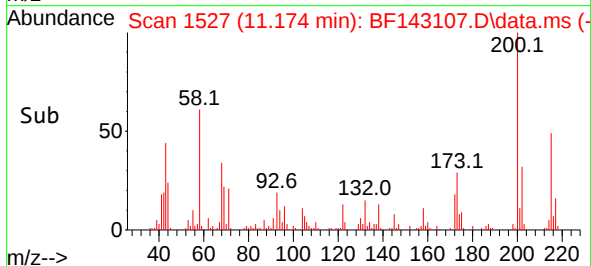
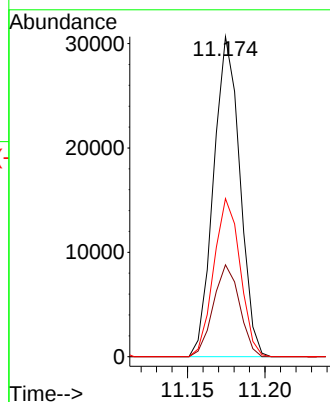
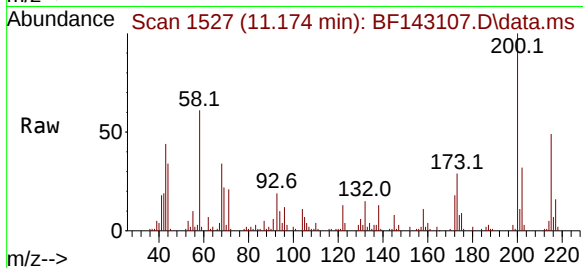
Tgt Ion:200 Resp: 36181

Ion Ratio Lower Upper

200 100

173 28.7 9.1 49.1

215 49.4 31.0 71.0



#70

Pentachlorophenol

Concen: 8.620 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

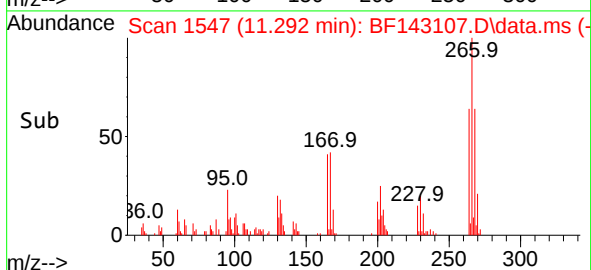
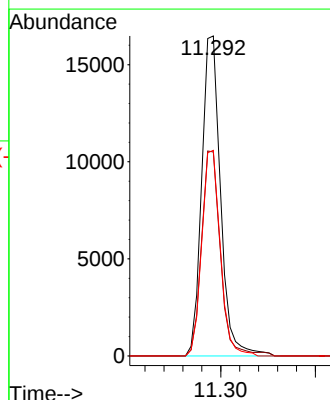
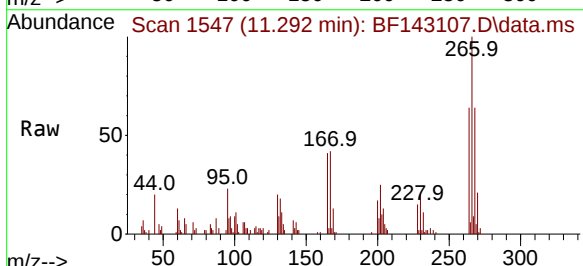
Tgt Ion:266 Resp: 22752

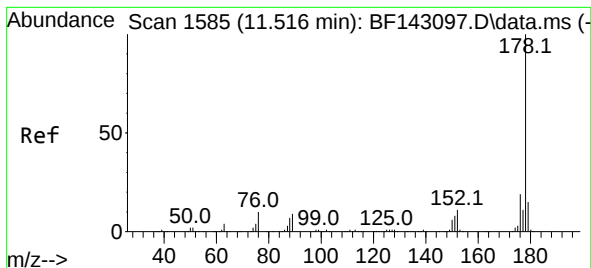
Ion Ratio Lower Upper

266 100

268 63.7 51.8 77.6

264 64.2 49.7 74.5





#71

Phenanthrene

Concen: 10.321 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

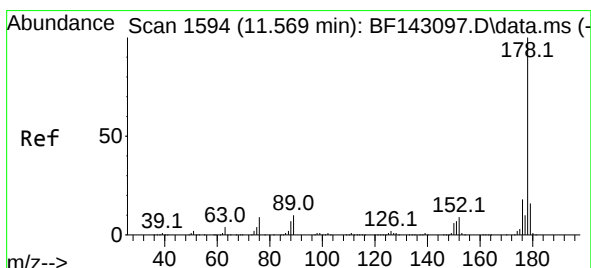
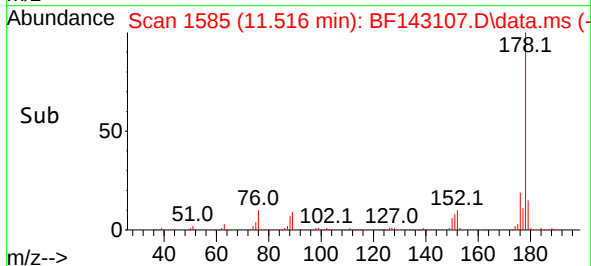
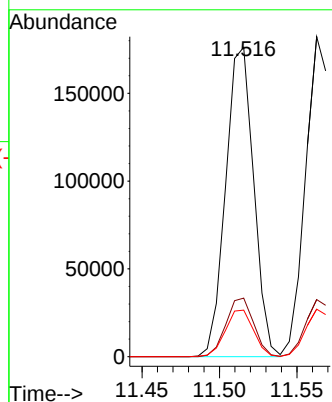
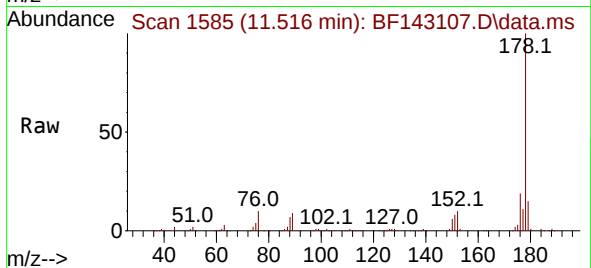
Tgt Ion:178 Resp: 222083

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.1 12.2 18.4



#72

Anthracene

Concen: 10.351 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

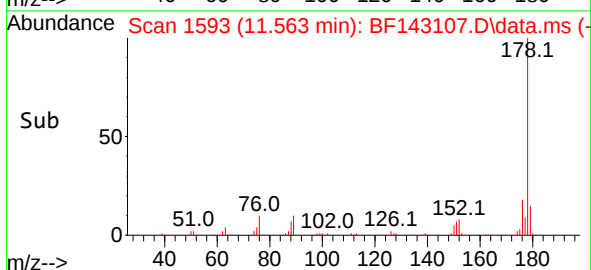
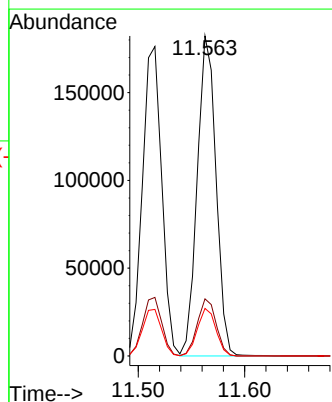
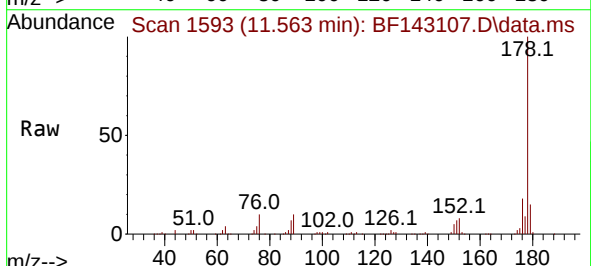
Tgt Ion:178 Resp: 223990

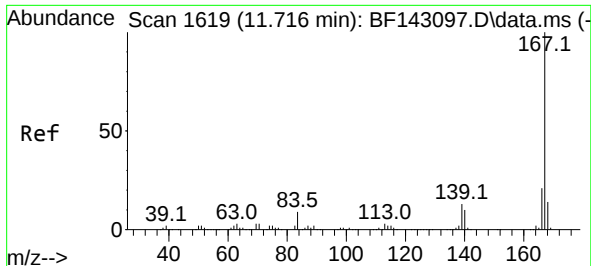
Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

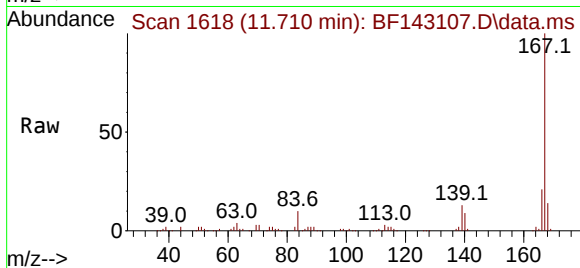
179 14.8 12.4 18.6



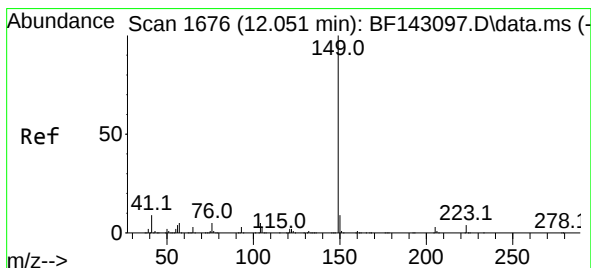
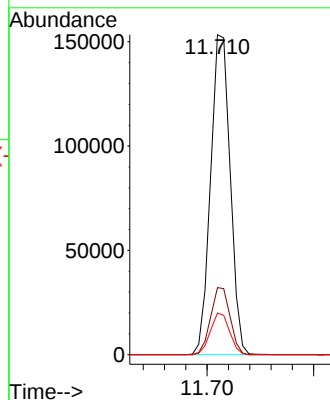
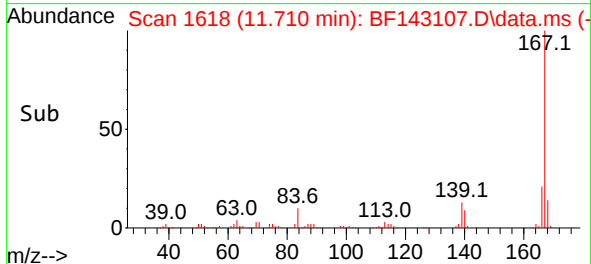


#73
 Carbazole
 Concen: 10.107 ng
 RT: 11.710 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37

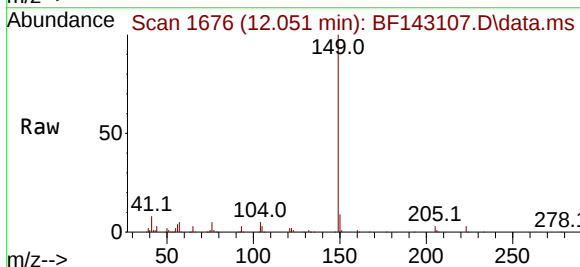
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025



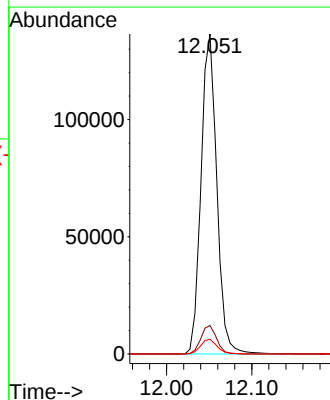
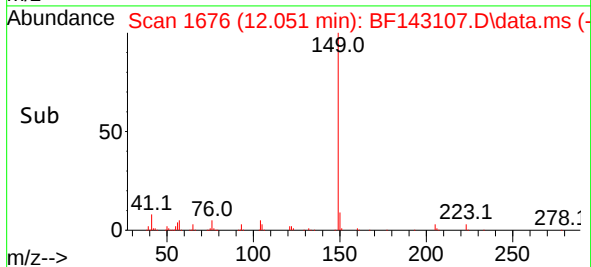
Tgt Ion:167 Resp: 195928
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 13.0 10.2 15.4

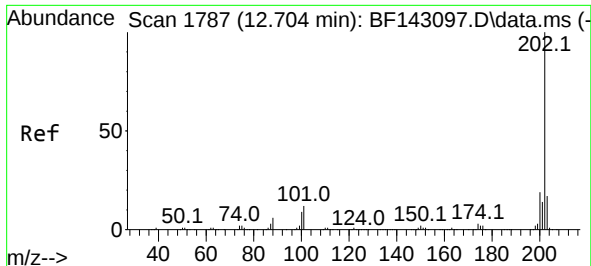


#74
 Di-n-butylphthalate
 Concen: 9.833 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37



Tgt Ion:149 Resp: 174971
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.3 10.9
 104 4.6 3.8 5.8

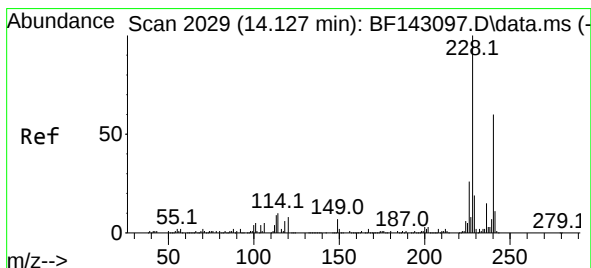
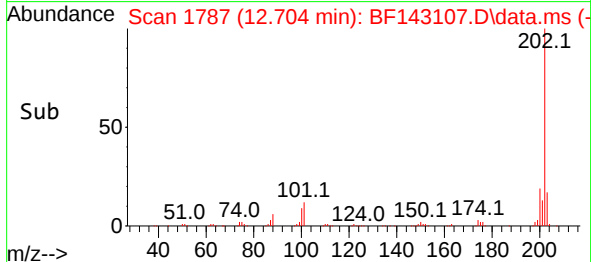
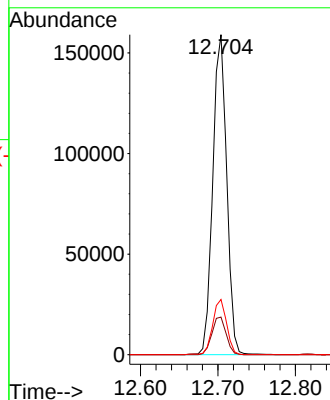
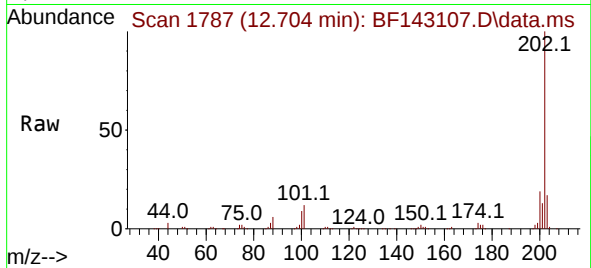




#75
Fluoranthene
Concen: 10.149 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

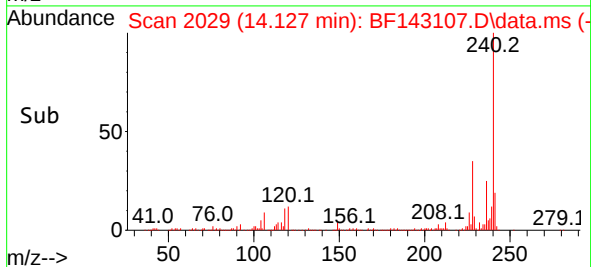
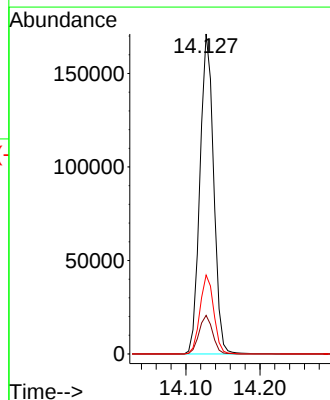
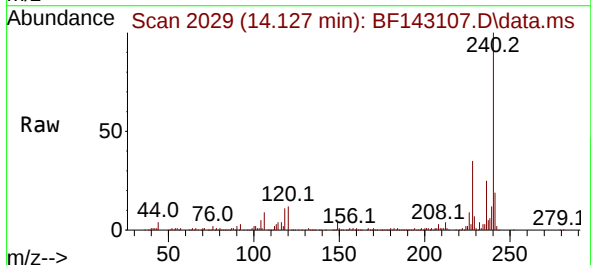
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

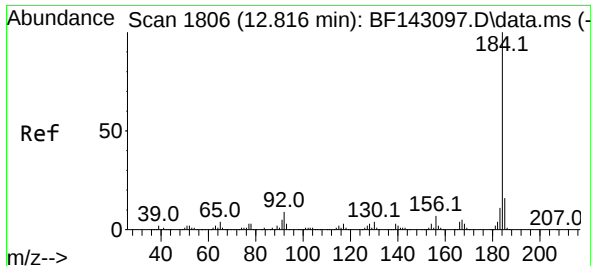
Tgt Ion:202 Resp: 198571
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.4
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:240 Resp: 219247
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 24.6 20.0 30.0

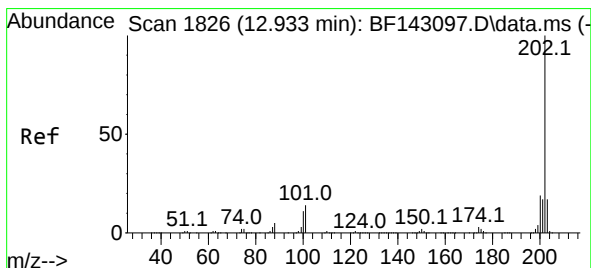
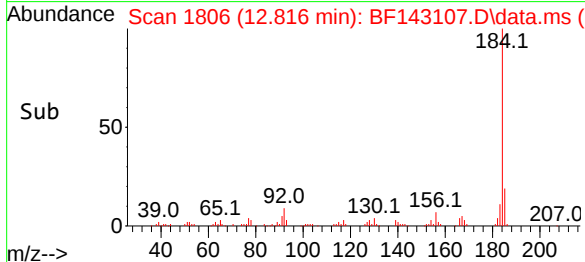
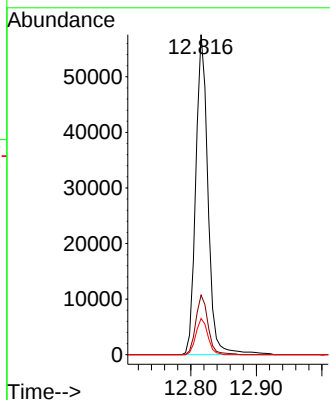
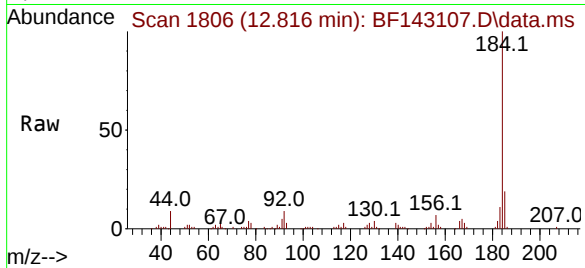




#77
Benzidine
Concen: 10.016 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

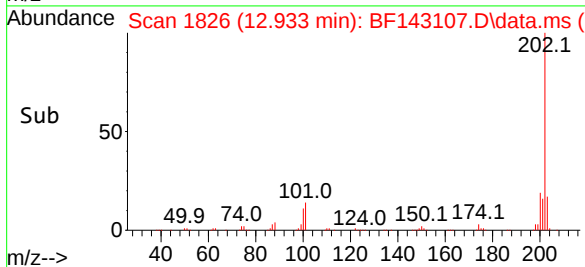
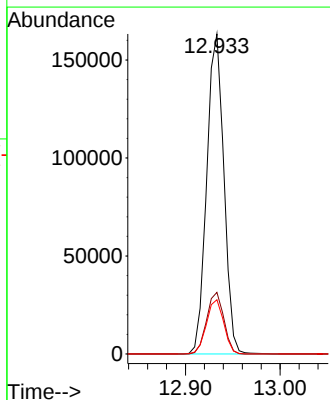
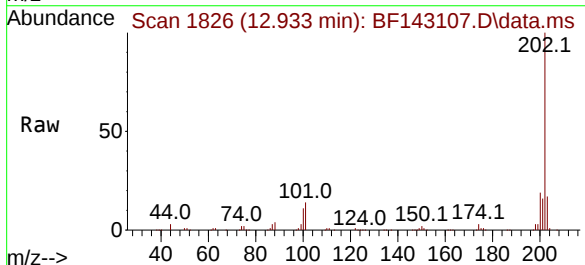
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

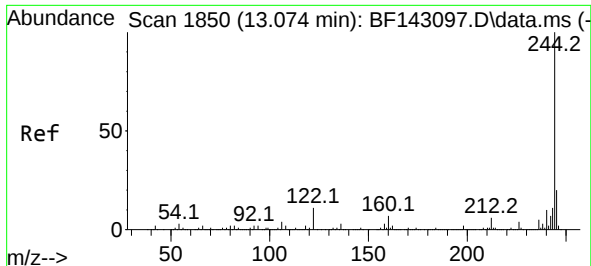
Tgt Ion:184 Resp: 74812
Ion Ratio Lower Upper
184 100
185 18.6 12.4 18.6
183 11.3 8.6 12.8



#78
Pyrene
Concen: 10.053 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:202 Resp: 204503
Ion Ratio Lower Upper
202 100
200 19.3 15.5 23.3
203 16.9 14.0 21.0

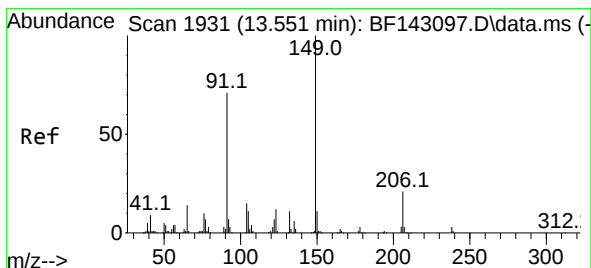
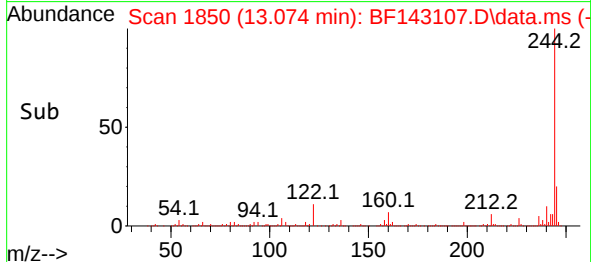
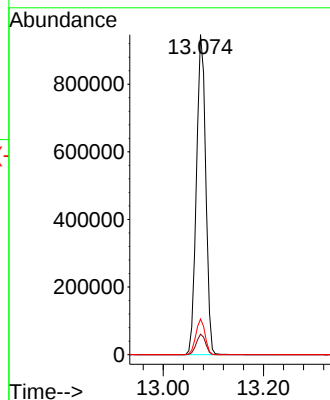
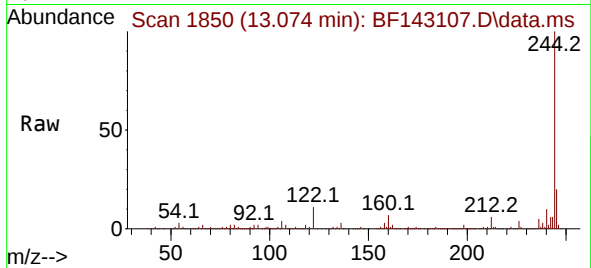




#79
 Terphenyl-d14
 Concen: 80.934 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37

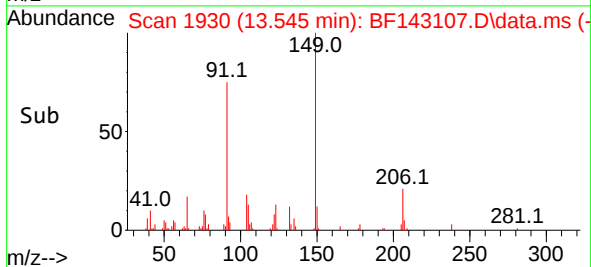
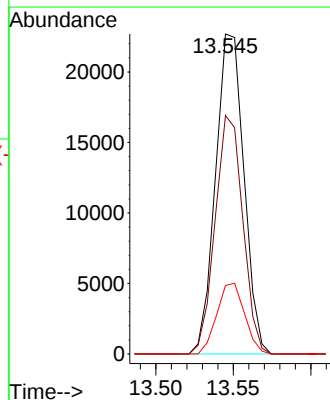
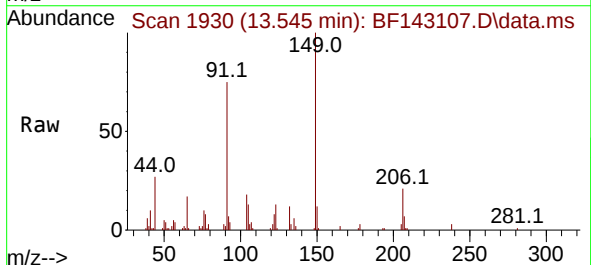
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

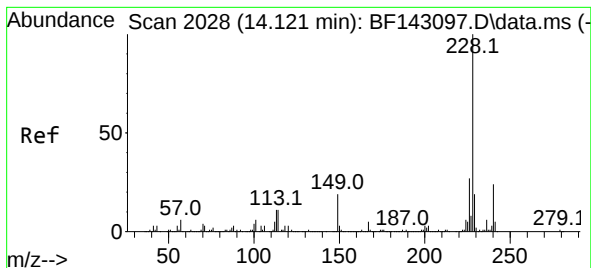
Tgt Ion:244 Resp: 1213878
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.2 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 9.992 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143107.D
 Acq: 16 Jul 2025 11:37

Tgt Ion:149 Resp: 28955
 Ion Ratio Lower Upper
 149 100
 91 74.5 57.0 85.4
 206 21.4 17.2 25.8





#81

Benzo(a)anthracene

Concen: 9.898 ng

RT: 14.115 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

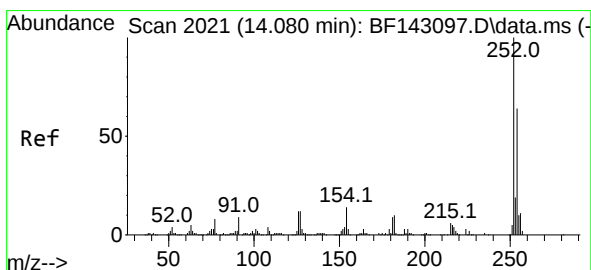
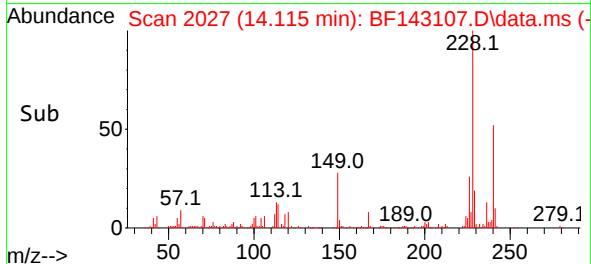
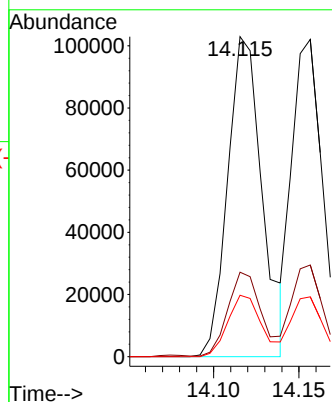
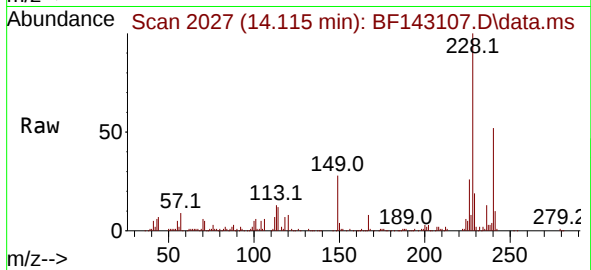
Tgt Ion:228 Resp: 144607

Ion Ratio Lower Upper

228 100

226 26.4 21.3 31.9

229 19.2 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 8.096 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

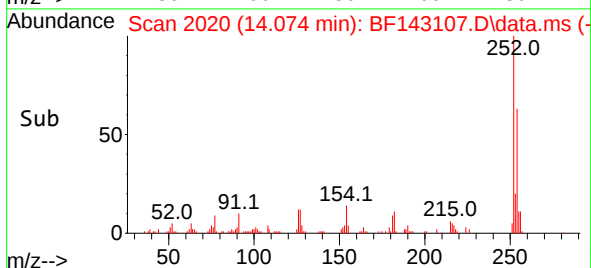
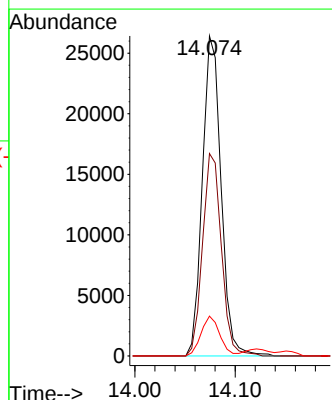
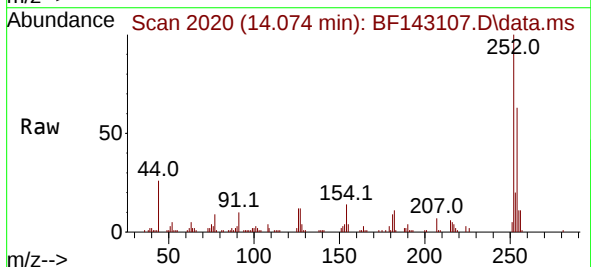
Tgt Ion:252 Resp: 34347

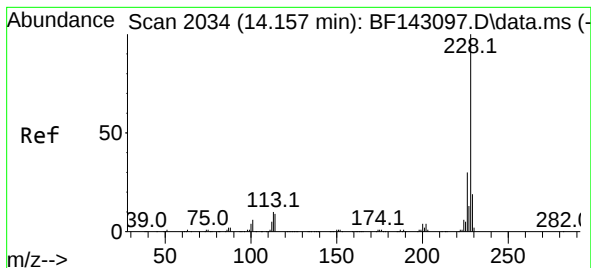
Ion Ratio Lower Upper

252 100

254 63.2 51.5 77.3

126 12.4 9.4 14.0





#83

Chrysene

Concen: 9.446 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

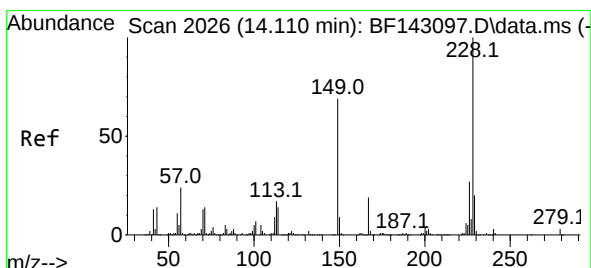
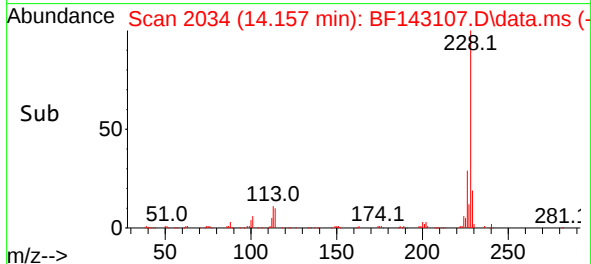
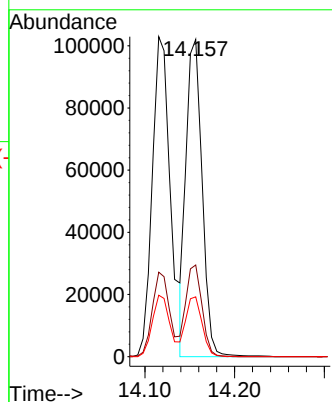
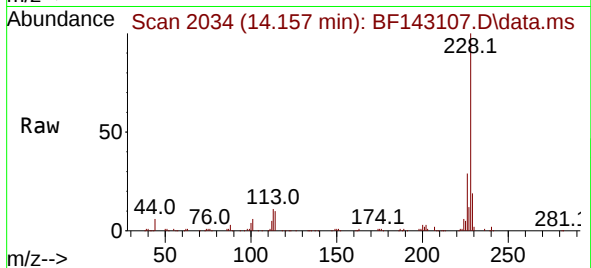
Tgt Ion:228 Resp: 127098

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

229 18.8 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.750 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

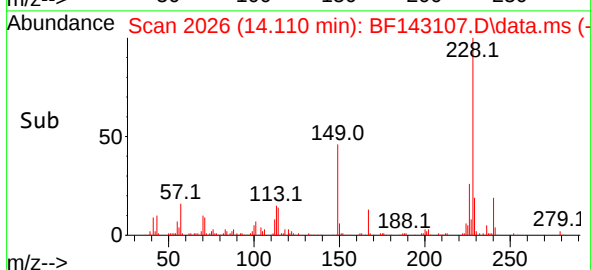
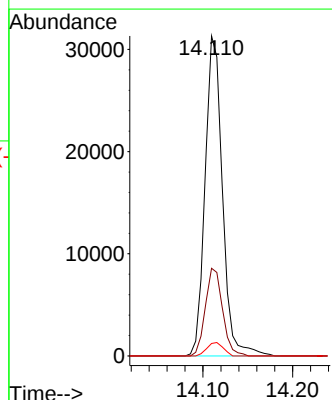
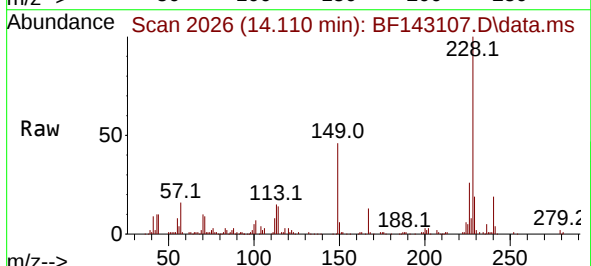
Tgt Ion:149 Resp: 42063

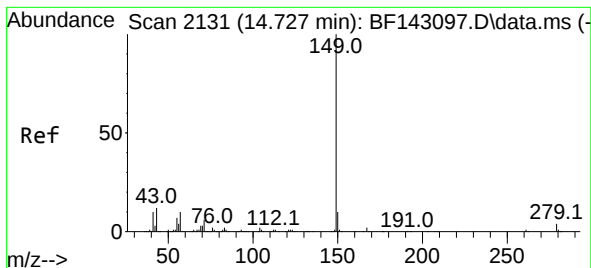
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 3.9 3.4 5.0

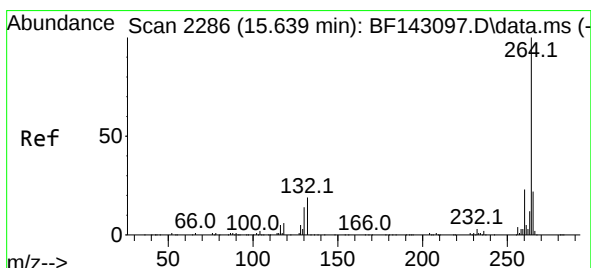
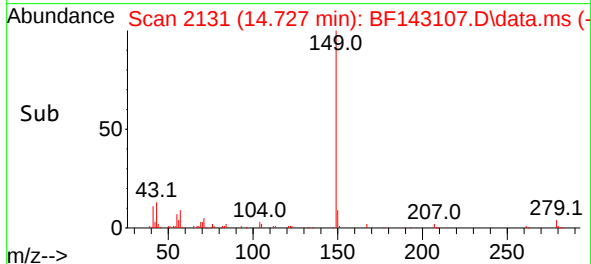
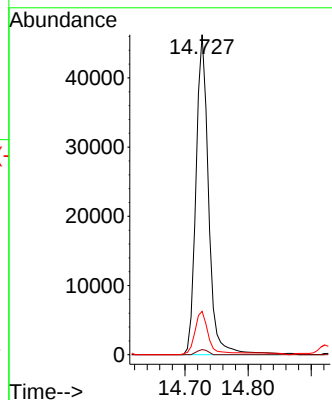
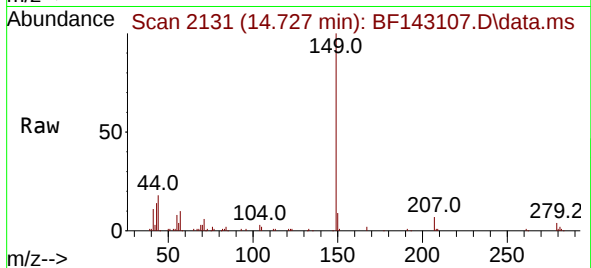




#85
Di-n-octyl phthalate
Concen: 11.420 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

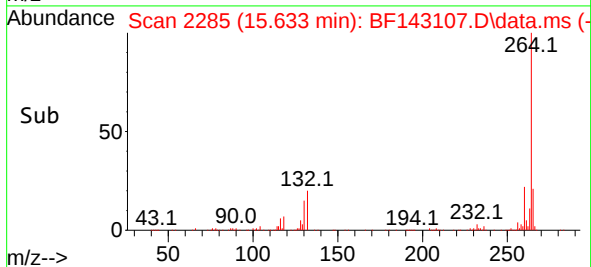
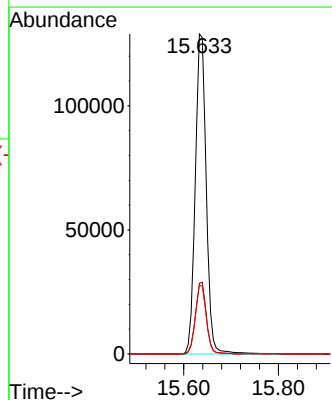
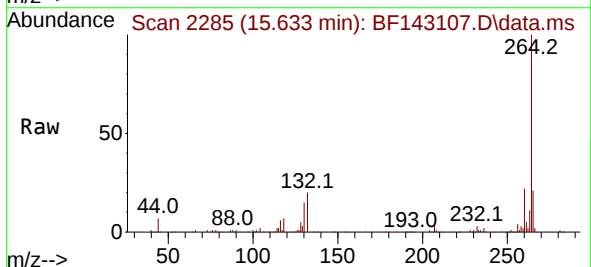
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2025

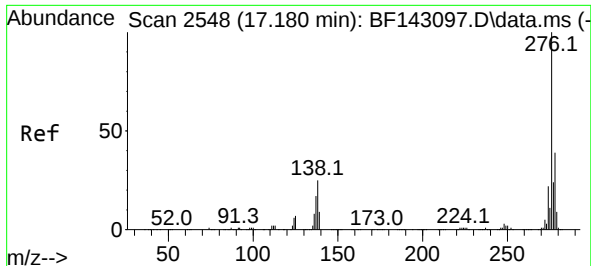
Tgt Ion:149 Resp: 64075
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 14.9 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:264 Resp: 207078
Ion Ratio Lower Upper
264 100
260 22.1 18.5 27.7
265 21.5 17.5 26.3

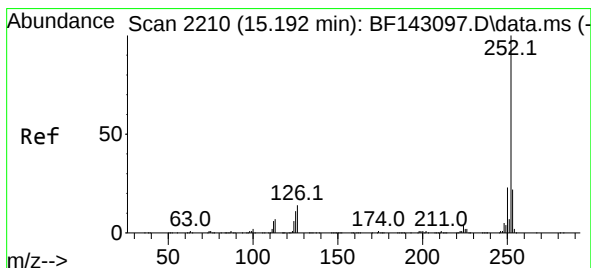
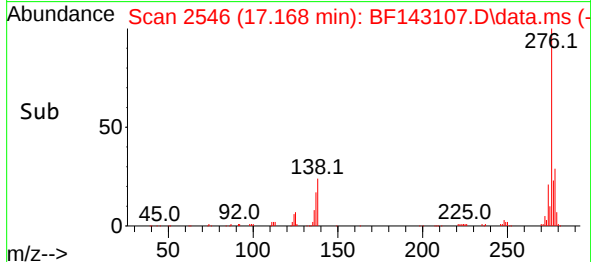
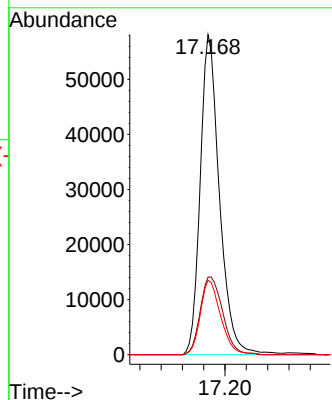
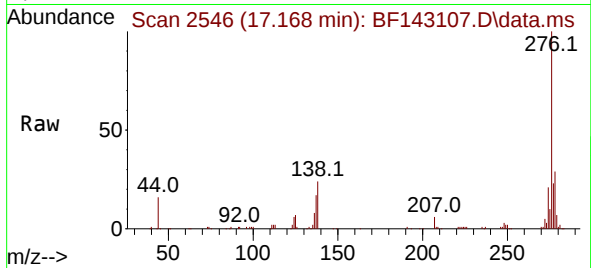




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.449 ng
RT: 17.168 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

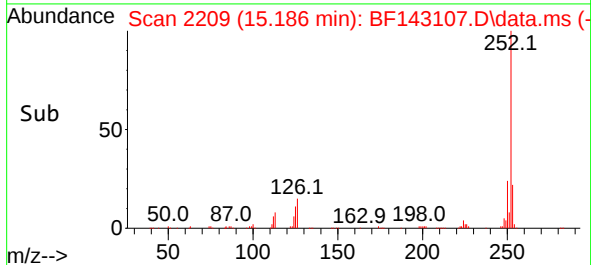
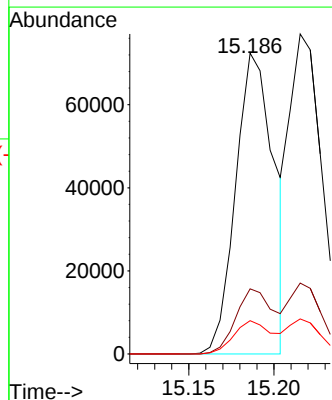
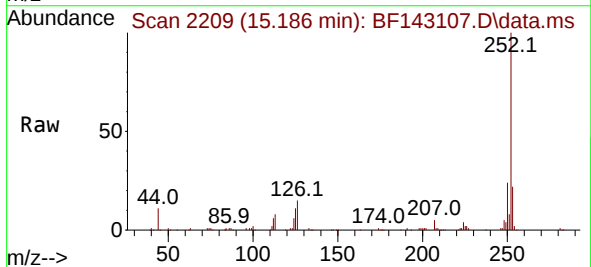
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2025

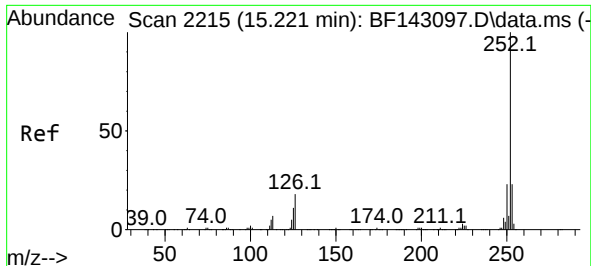
Tgt Ion:276 Resp: 145532
Ion Ratio Lower Upper
276 100
138 28.3 22.6 34.0
277 24.6 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 9.470 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:252 Resp: 113118
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 11.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 9.344 ng

RT: 15.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2025

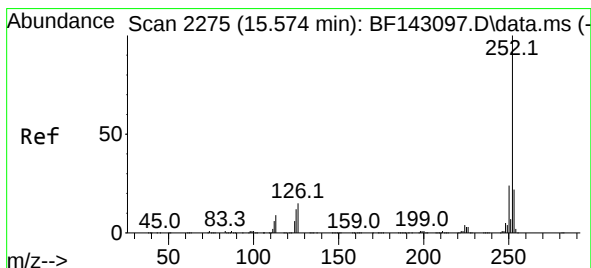
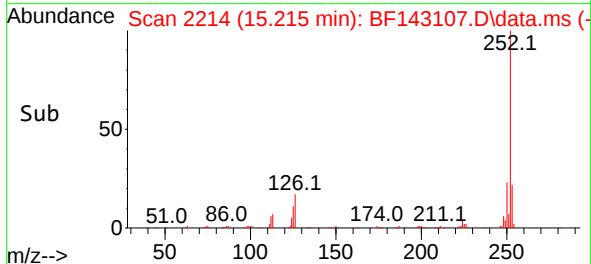
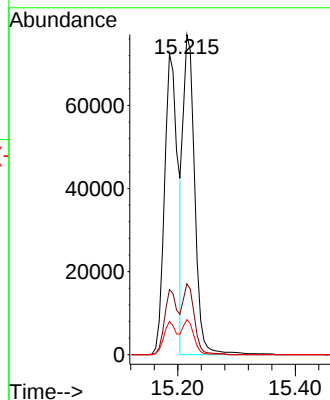
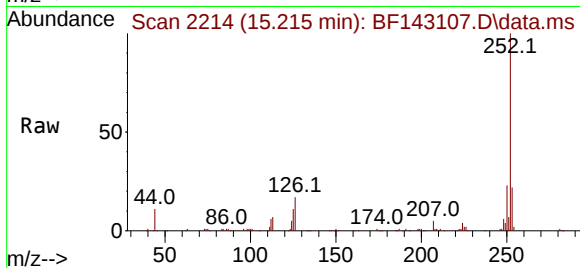
Tgt Ion:252 Resp: 106475

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 10.9 8.5 12.7



#90

Benzo(a)pyrene

Concen: 9.012 ng

RT: 15.568 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143107.D

Acq: 16 Jul 2025 11:37

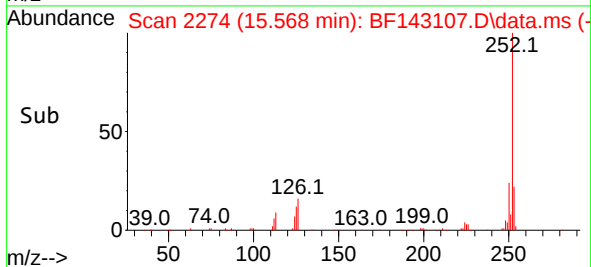
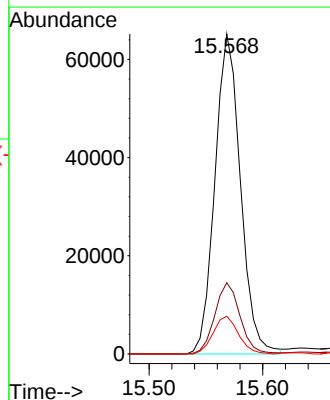
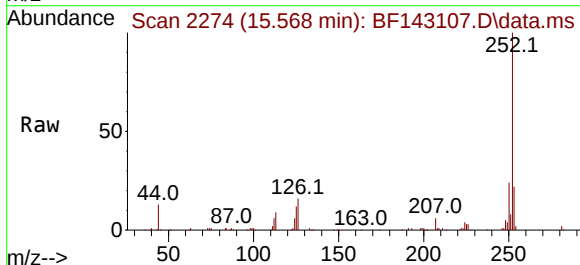
Tgt Ion:252 Resp: 101806

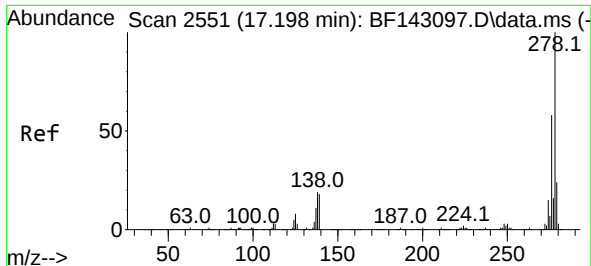
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 11.8 9.4 14.0

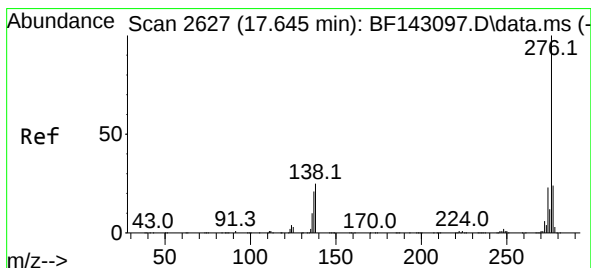
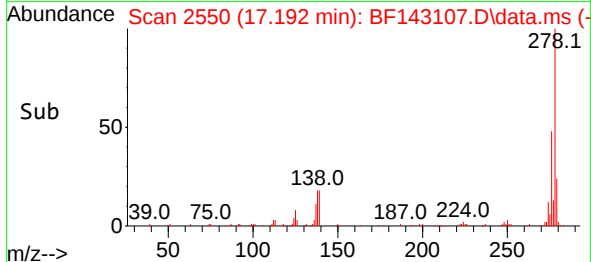
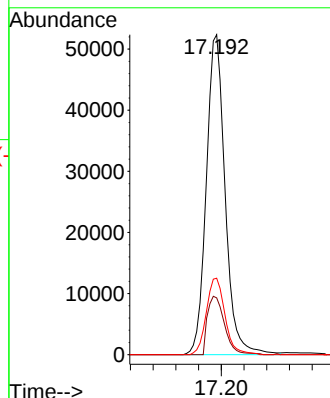
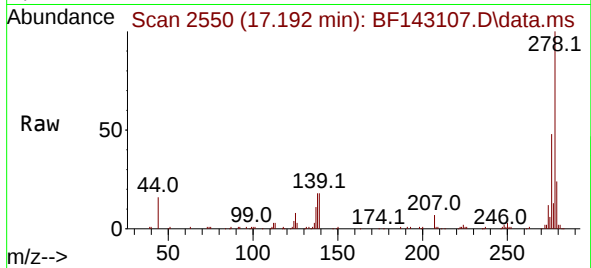




#91
Dibenzo(a,h)anthracene
Concen: 9.543 ng
RT: 17.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

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

Tgt Ion:278 Resp: 120151
Ion Ratio Lower Upper
278 100
139 17.7 14.6 22.0
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 9.432 ng
RT: 17.633 min Scan# 2625
Delta R.T. -0.012 min
Lab File: BF143107.D
Acq: 16 Jul 2025 11:37

Tgt Ion:276 Resp: 121066
Ion Ratio Lower Upper
276 100
277 22.9 19.2 28.8
138 23.9 19.8 29.6

