

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143712.D
 Acq On : 11 Sep 2025 17:59
 Operator : RC/JU
 Sample : Q3032-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1MS

Quant Time: Sep 11 18:23:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	38125	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	141026	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	74973	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	106474	20.000	ng	0.01
76) Chrysene-d12	14.063	240	98778	20.000	ng	0.02
86) Perylene-d12	15.539	264	80025	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	293996	131.567	ng	0.02
7) Phenol-d6	6.516	99	335344	123.251	ng	0.01
23) Nitrobenzene-d5	7.457	82	228322	100.703	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	104200	137.911	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	506239	102.001	ng	0.00
79) Terphenyl-d14	13.010	244	473474	77.677	ng	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.840	88	41851	41.986	ng	# 84
3) Pyridine	3.552	79	95567	37.115	ng	98
4) n-Nitrosodimethylamine	3.493	42	48372	49.456	ng	95
6) Aniline	6.557	93	81086	22.501	ng	99
8) 2-Chlorophenol	6.681	128	114339	47.377	ng	97
9) Benzaldehyde	6.446	77	45625	20.784	ng	98
10) Phenol	6.534	94	131223	43.631	ng	97
11) bis(2-Chloroethyl)ether	6.634	93	108079	48.115	ng	96
12) 1,3-Dichlorobenzene	6.840	146	133694	48.437	ng	99
13) 1,4-Dichlorobenzene	6.916	146	134130	48.146	ng	98
14) 1,2-Dichlorobenzene	7.063	146	126998	48.273	ng	98
15) Benzyl Alcohol	7.034	79	99441	50.244	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	135153	45.990	ng	98
17) 2-Methylphenol	7.140	107	93614	48.219	ng	98
18) Hexachloroethane	7.410	117	40745	45.275	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	82500	49.371	ng	98
20) 3+4-Methylphenols	7.293	107	121374	47.475	ng	94
22) Acetophenone	7.304	105	179068	56.221	ng	99
24) Nitrobenzene	7.475	77	115223	49.012	ng	96
25) Isophorone	7.716	82	217476	50.022	ng	98
26) 2-Nitrophenol	7.793	139	61685	53.366	ng	98
27) 2,4-Dimethylphenol	7.822	122	108390	52.235	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	132560	49.615	ng	99
29) 2,4-Dichlorophenol	8.028	162	101318	48.539	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	111857	51.726	ng	98
31) Naphthalene	8.198	128	342800	49.103	ng	99
32) Benzoic acid	7.928	122	74952	59.205	ng	94
33) 4-Chloroaniline	8.240	127	30744	12.650	ng	98
34) Hexachlorobutadiene	8.316	225	67259	47.685	ng	99
35) Caprolactam	8.610	113	26317	47.371	ng	94
36) 4-Chloro-3-methylphenol	8.722	107	99059	48.130	ng	94
37) 2-Methylnaphthalene	8.887	142	208542	43.638	ng	100
38) 1-Methylnaphthalene	8.987	142	212303	46.291	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	122034	56.856	ng	99
41) Hexachlorocyclopentadiene	9.045	237	84770	76.929	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	74458	51.952	ng	100

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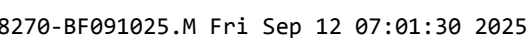
Instrument :
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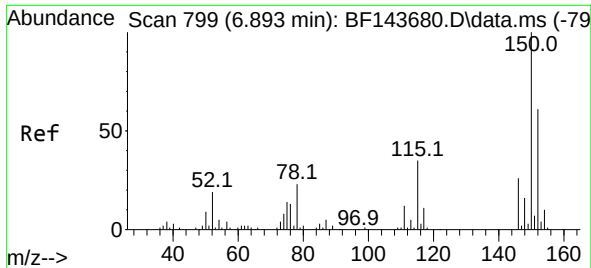
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	73644	50.544	ng	98
46) 1,1'-Biphenyl	9.357	154	310699	57.564	ng	98
47) 2-Chloronaphthalene	9.381	162	212953	50.327	ng	99
48) 2-Nitroaniline	9.469	65	60257	53.811	ng	98
49) Acenaphthylene	9.798	152	350181	57.774	ng	100
50) Dimethylphthalate	9.651	163	255984	52.477	ng	99
51) 2,6-Dinitrotoluene	9.716	165	52860	56.677	ng	95
52) Acenaphthene	9.969	154	212653	50.914	ng	99
53) 3-Nitroaniline	9.881	138	32789	32.669	ng	96
54) 2,4-Dinitrophenol	9.986	184	35832	72.015	ng	# 57
55) Dibenzofuran	10.139	168	297181	49.481	ng	98
56) 4-Nitrophenol	10.034	139	73258	91.744	ng	99
57) 2,4-Dinitrotoluene	10.116	165	68835	54.228	ng	97
58) Fluorene	10.486	166	229583	48.834	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	60071	50.846	ng	98
60) Diethylphthalate	10.357	149	239914	52.388	ng	98
61) 4-Chlorophenyl-phenyle...	10.475	204	117589	49.318	ng	100
62) 4-Nitroaniline	10.492	138	43831	46.108	ng	98
63) Azobenzene	10.634	77	200625	49.554	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	25453	46.953	ng	97
66) n-Nitrosodiphenylamine	10.592	169	195522	56.054	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	69182	53.881	ng	98
68) Hexachlorobenzene	11.028	284	69978	51.616	ng	97
69) Atrazine	11.116	200	62305	56.969	ng	98
70) Pentachlorophenol	11.222	266	88506	107.992	ng	98
71) Phenanthrene	11.445	178	299508	51.054	ng	99
72) Anthracene	11.498	178	304605	51.638	ng	100
73) Carbazole	11.651	167	259856	53.789	ng	100
74) Di-n-butylphthalate	11.980	149	332700	57.203	ng	100
75) Fluoranthene	12.633	202	303356	56.328	ng	99
77) Benzidine	12.757	184	69926	21.708	ng	100
78) Pyrene	12.863	202	311710	39.468	ng	99
80) Butylbenzylphthalate	13.480	149	129836	52.469	ng	99
81) Benzo(a)anthracene	14.051	228	337596	53.125	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	86099	44.040	ng	98
83) Chrysene	14.092	228	286928	49.299	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	184436	52.239	ng	98
85) Di-n-octyl phthalate	14.657	149	326362	51.583	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	187654	34.359	ng	99
88) Benzo(b)fluoranthene	15.110	252	279033	58.574	ng	99
89) Benzo(k)fluoranthene	15.139	252	277882	64.634	ng	99
90) Benzo(a)pyrene	15.480	252	233587	55.814	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	156620	34.564	ng	98
92) Benzo(g,h,i)perylene	17.492	276	145103	34.235	ng	99

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

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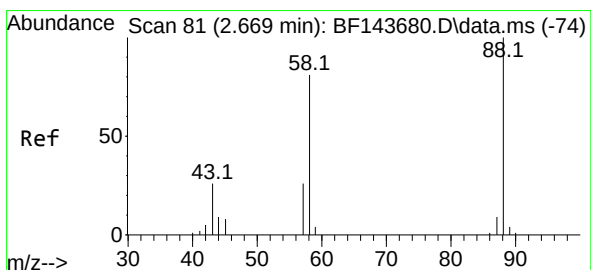
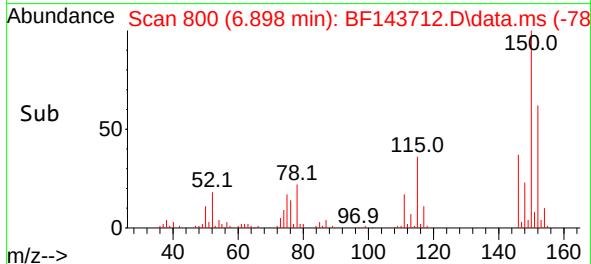
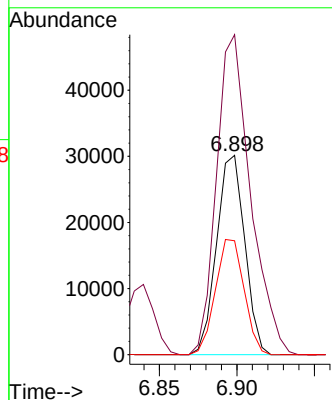
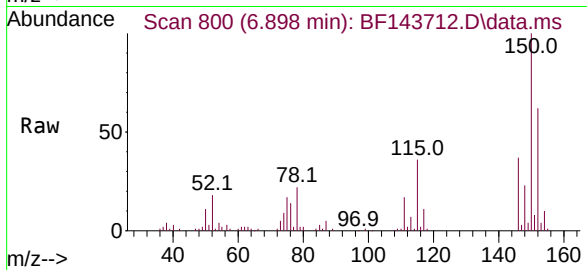




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 80
 Delta R.T. 0.005 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

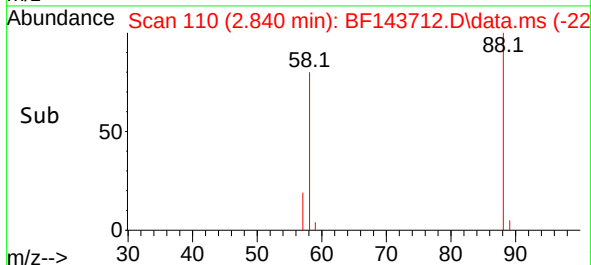
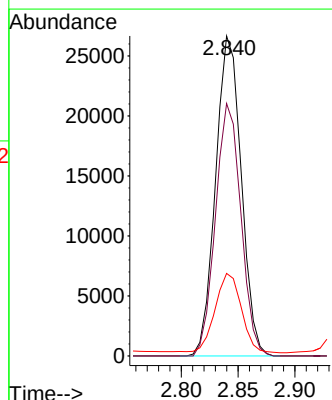
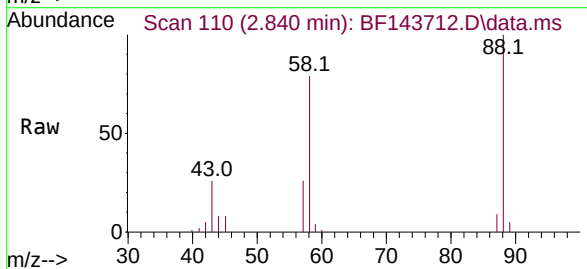
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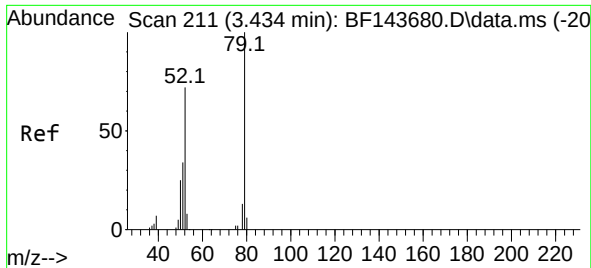
Tgt Ion:152 Resp: 38125
 Ion Ratio Lower Upper
 152 100
 150 160.5 130.7 196.1
 115 57.1 45.9 68.9



#2
 1,4-Dioxane
 Concen: 41.986 ng
 RT: 2.840 min Scan# 110
 Delta R.T. 0.171 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

Tgt Ion: 88 Resp: 41851
 Ion Ratio Lower Upper
 88 100
 58 78.1 65.8 98.6
 43 0.0 20.6 31.0#





#3

Pyridine

Concen: 37.115 ng

RT: 3.552 min Scan# 211

Delta R.T. 0.118 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

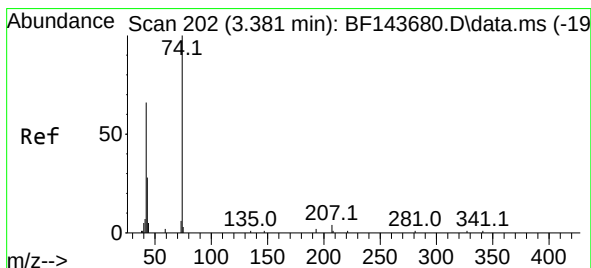
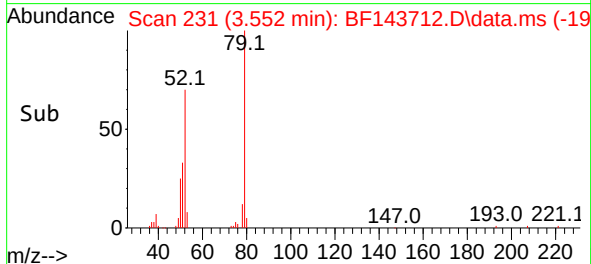
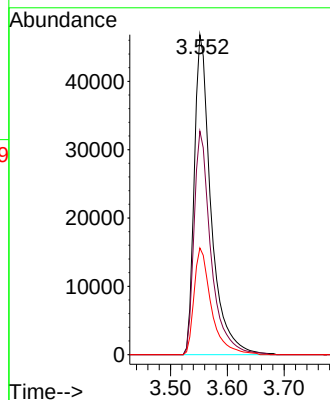
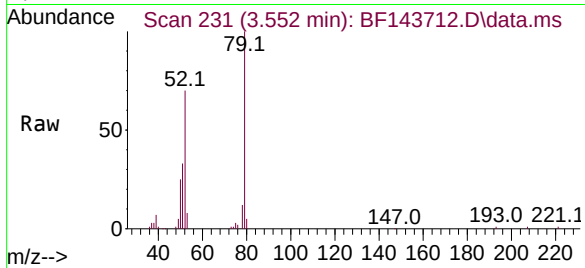
Tgt Ion: 79 Resp: 95567

Ion Ratio Lower Upper

79 100

52 69.8 57.2 85.8

51 33.3 27.0 40.6



#4

n-Nitrosodimethylamine

Concen: 49.456 ng

RT: 3.493 min Scan# 221

Delta R.T. 0.112 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

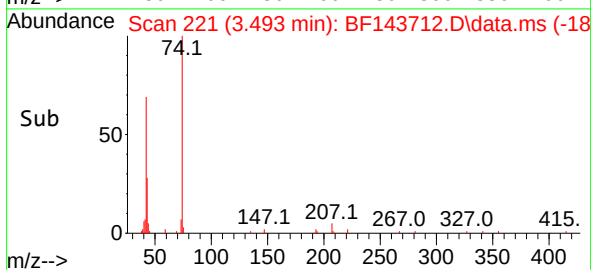
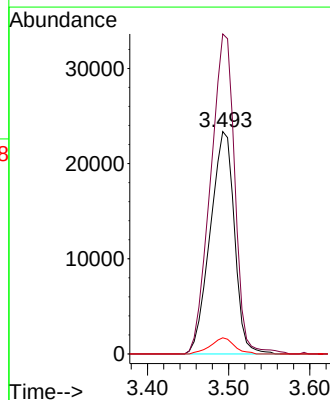
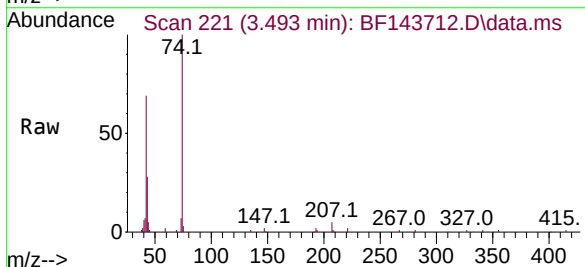
Tgt Ion: 42 Resp: 48372

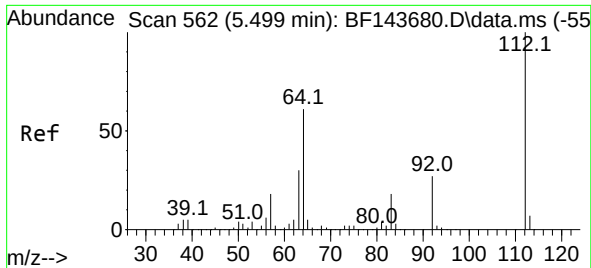
Ion Ratio Lower Upper

42 100

74 143.9 120.9 181.3

44 7.2 6.5 9.7

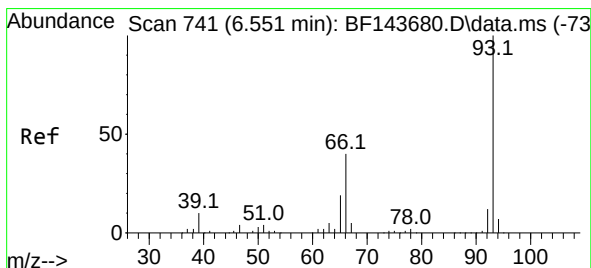
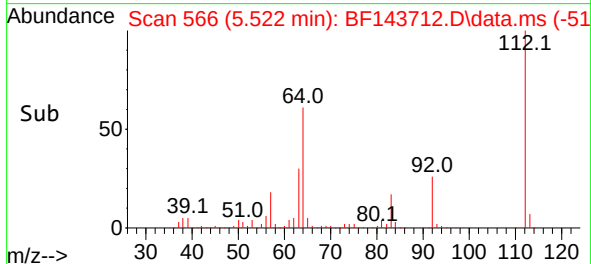
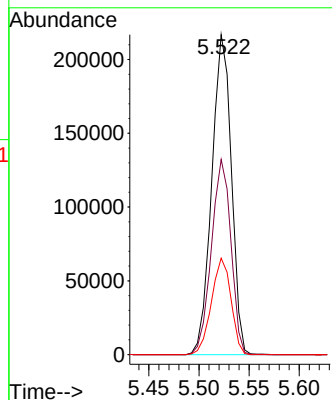
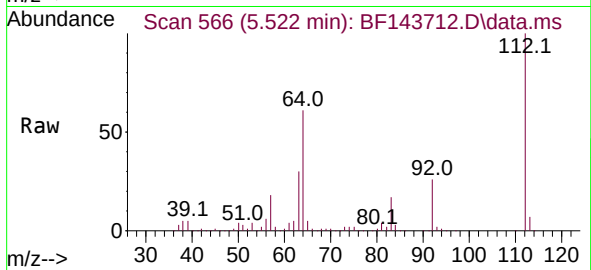




#5
2-Fluorophenol
Concen: 131.567 ng
RT: 5.522 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

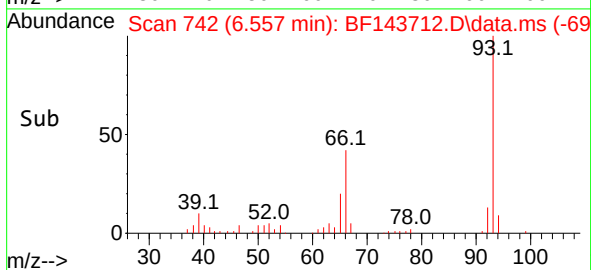
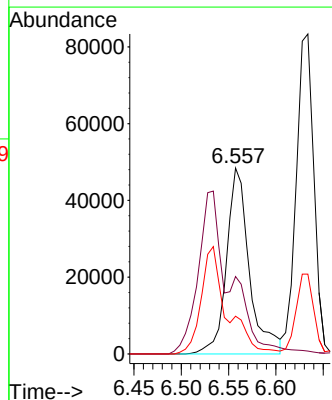
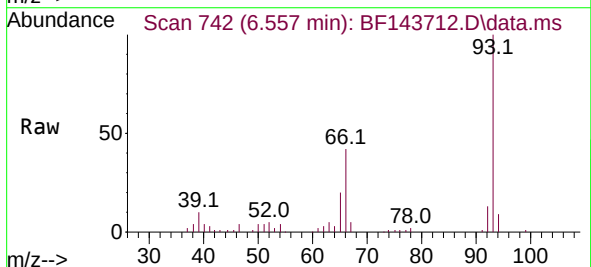
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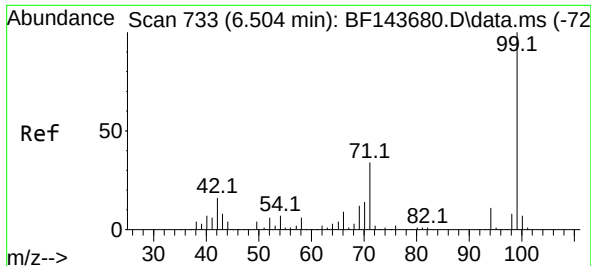
Tgt Ion:112 Resp: 293996
Ion Ratio Lower Upper
112 100
64 61.0 49.0 73.4
63 30.1 24.3 36.5



#6
Aniline
Concen: 22.501 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion: 93 Resp: 81086
Ion Ratio Lower Upper
93 100
66 41.6 34.1 51.1
65 20.2 16.1 24.1





#7

Phenol-d6

Concen: 123.251 ng

RT: 6.516 min Scan# 733

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

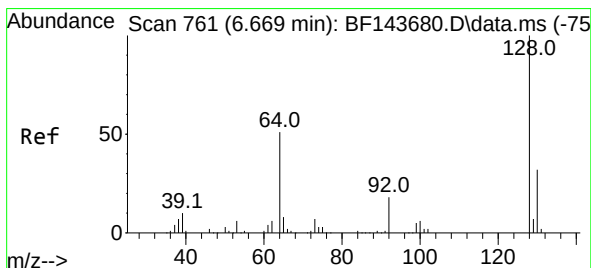
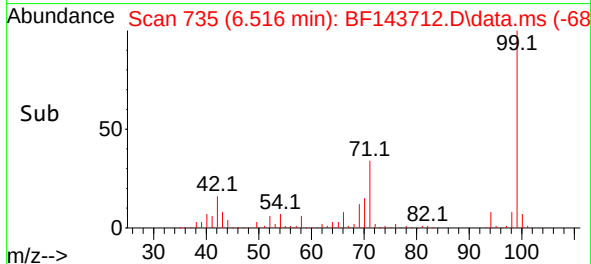
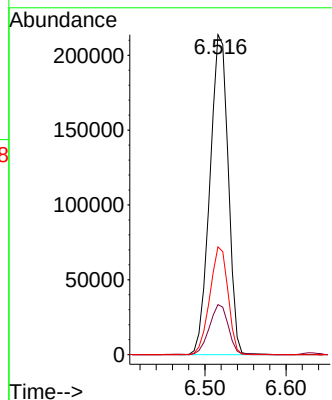
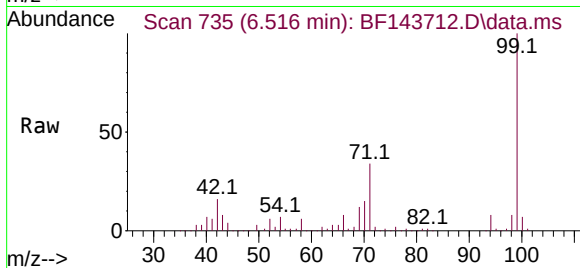
Tgt Ion: 99 Resp: 335344

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.4

71 33.7 27.4 41.2



#8

2-Chlorophenol

Concen: 47.377 ng

RT: 6.681 min Scan# 763

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

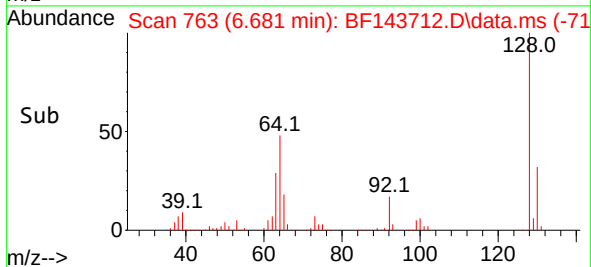
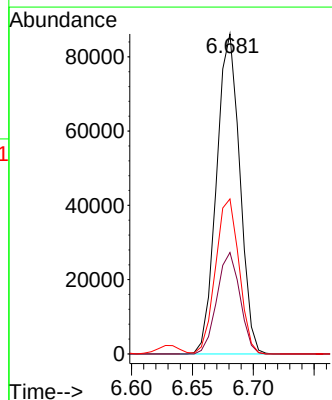
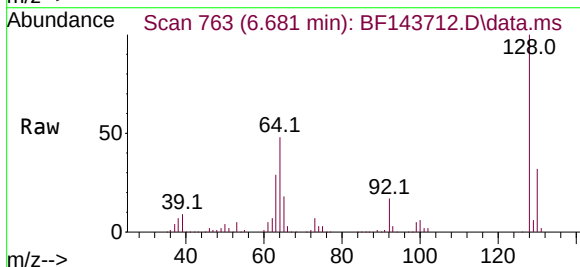
Tgt Ion:128 Resp: 114339

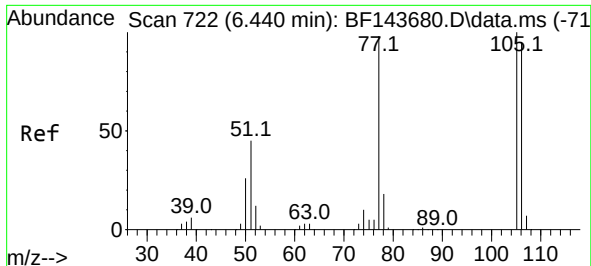
Ion Ratio Lower Upper

128 100

130 31.7 12.0 52.0

64 48.4 31.9 71.9

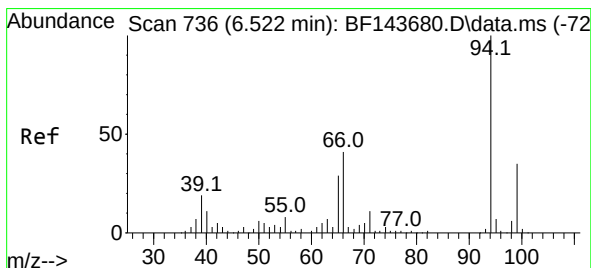
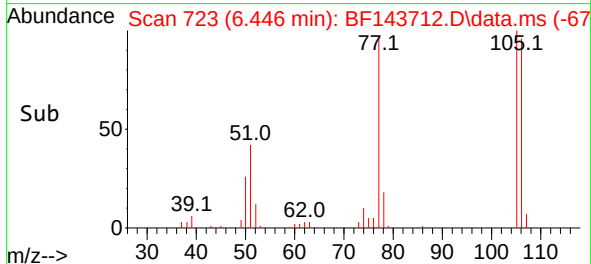
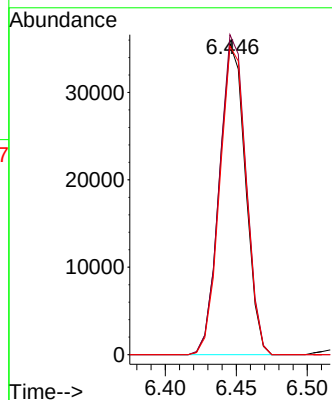
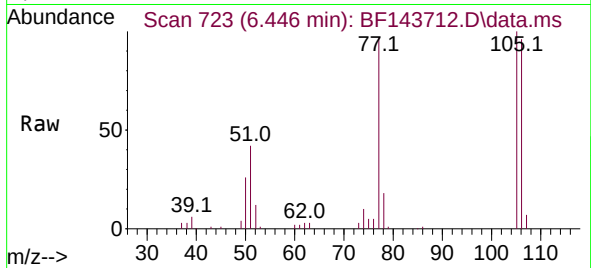




#9
Benzaldehyde
Concen: 20.784 ng
RT: 6.446 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

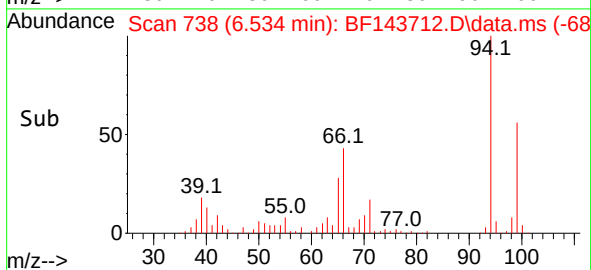
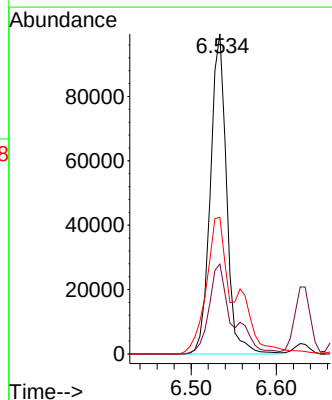
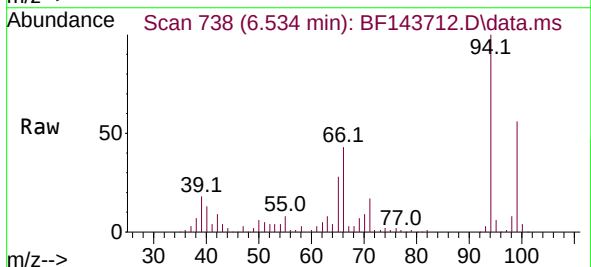
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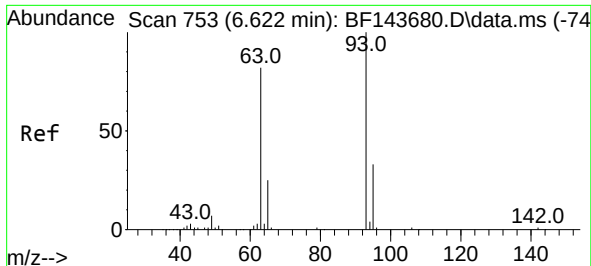
Tgt Ion: 77 Resp: 45625
Ion Ratio Lower Upper
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105 102.9 81.7 121.7
106 99.1 76.9 116.9



#10
Phenol
Concen: 43.631 ng
RT: 6.534 min Scan# 738
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion: 94 Resp: 131223
Ion Ratio Lower Upper
94 100
65 28.1 9.1 49.1
66 42.7 20.8 60.8

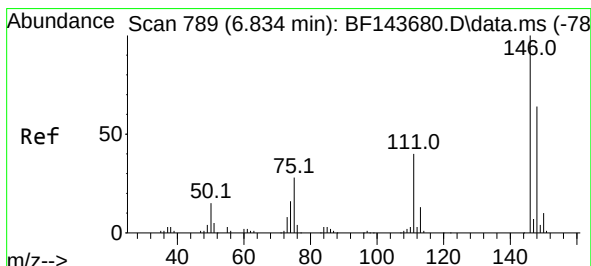
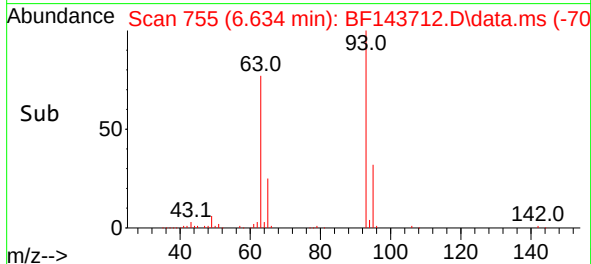
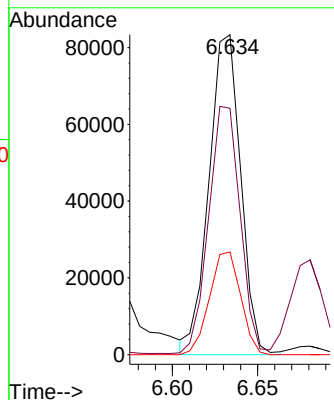
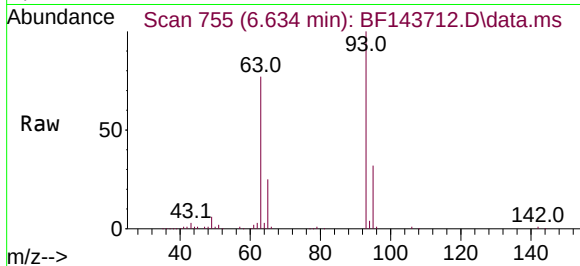




#11
bis(2-Chloroethyl)ether
Concen: 48.115 ng
RT: 6.634 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

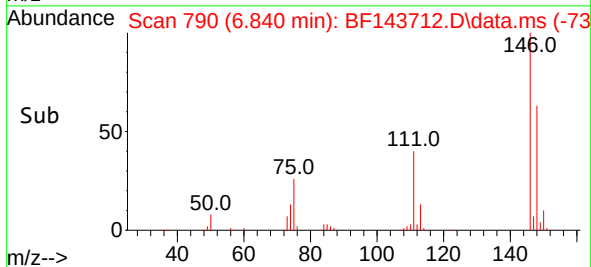
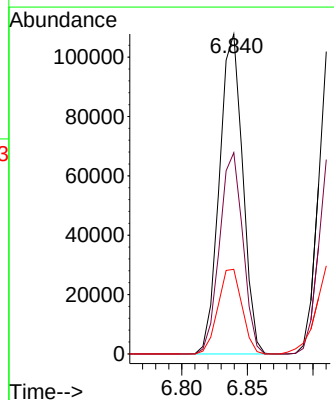
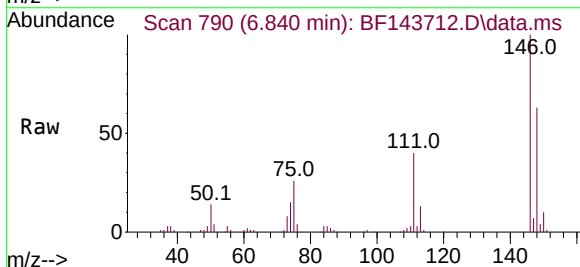
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

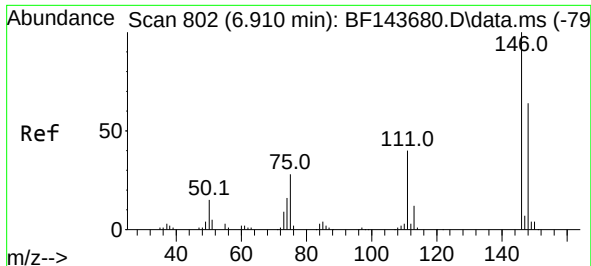
Tgt Ion: 93 Resp: 108079
Ion Ratio Lower Upper
93 100
63 77.0 61.8 101.8
95 32.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 48.437 ng
RT: 6.840 min Scan# 790
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:146 Resp: 133694
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
75 26.4 22.0 33.0

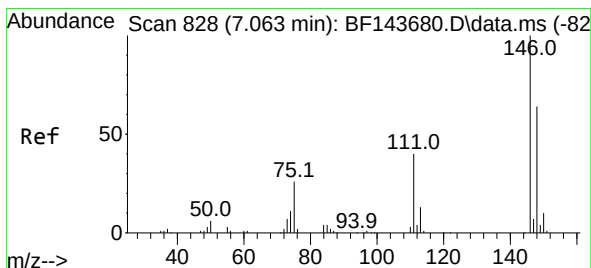
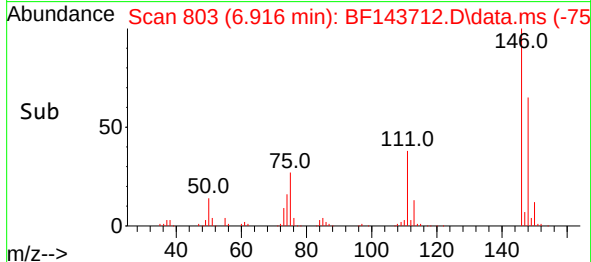
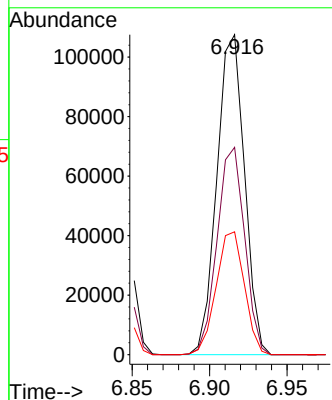
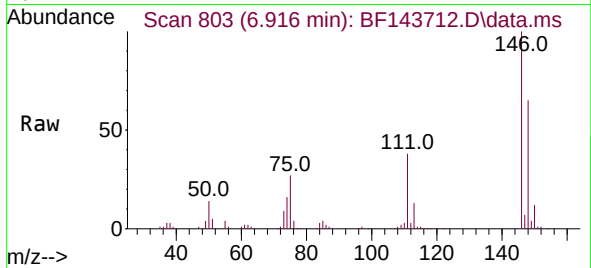




#13
1,4-Dichlorobenzene
Concen: 48.146 ng
RT: 6.916 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

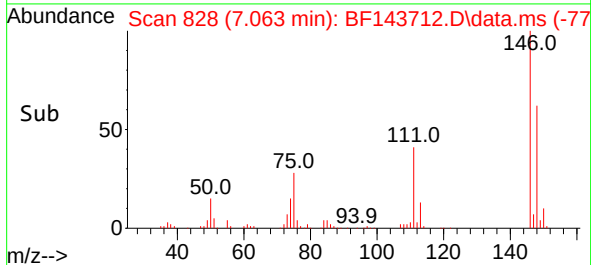
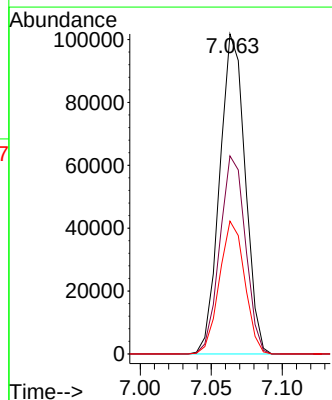
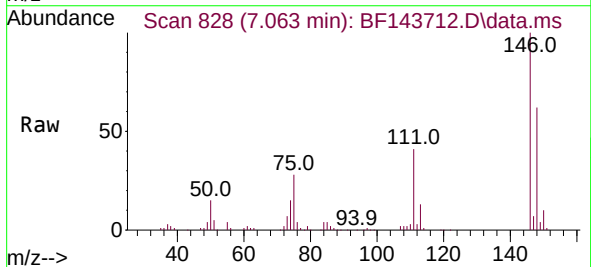
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

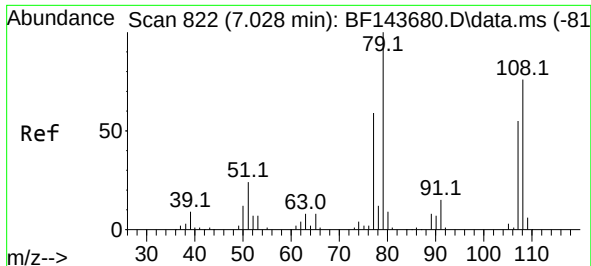
Tgt Ion:146 Resp: 134130
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
111 38.4 31.8 47.8



#14
1,2-Dichlorobenzene
Concen: 48.273 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.000 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:146 Resp: 126998
Ion Ratio Lower Upper
146 100
148 61.9 51.0 76.4
111 41.5 32.3 48.5

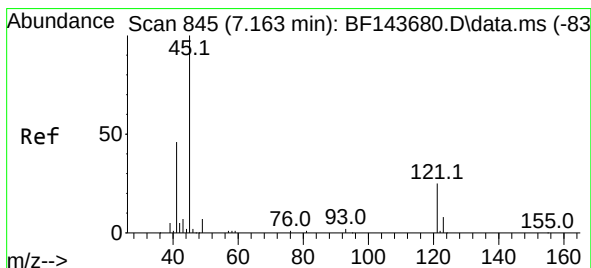
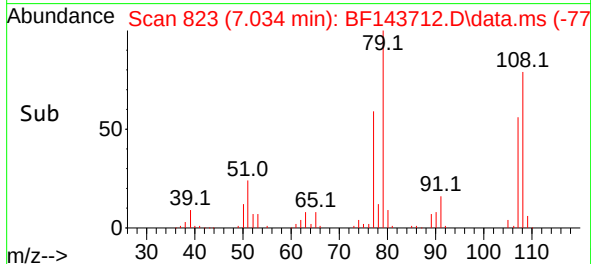
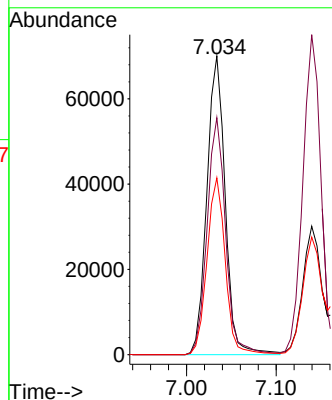
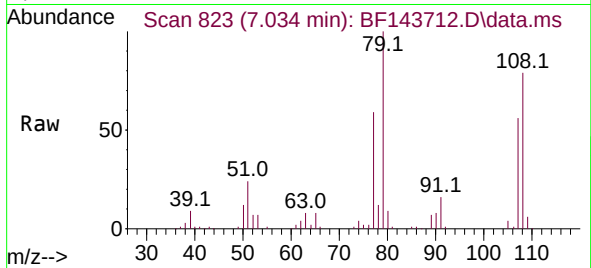




#15
Benzyl Alcohol
Concen: 50.244 ng
RT: 7.034 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

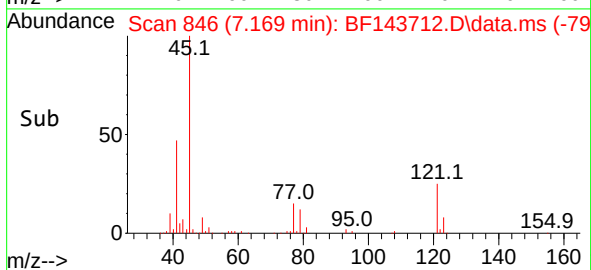
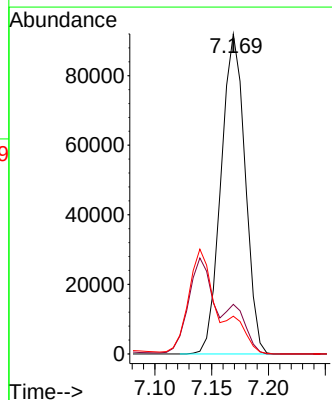
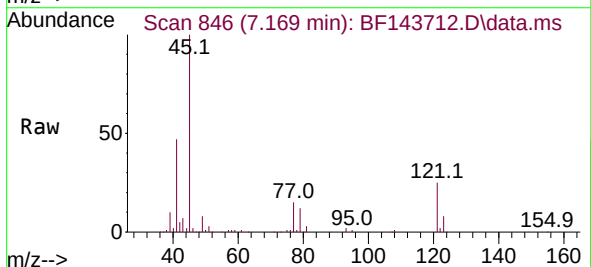
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

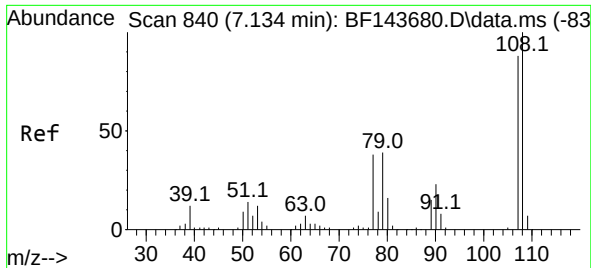
Tgt Ion: 79 Resp: 99441
Ion Ratio Lower Upper
79 100
108 79.3 60.9 91.3
77 59.2 47.4 71.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.990 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

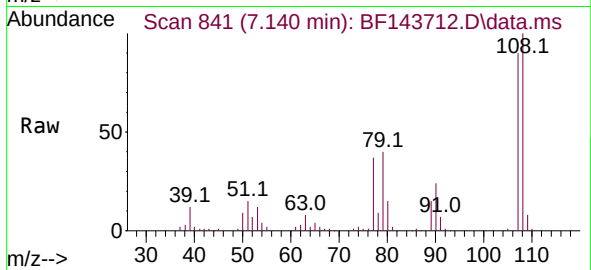
Tgt Ion: 45 Resp: 135153
Ion Ratio Lower Upper
45 100
77 15.5 0.0 34.6
79 11.8 0.0 31.3



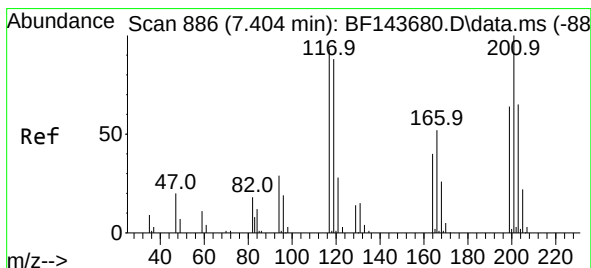
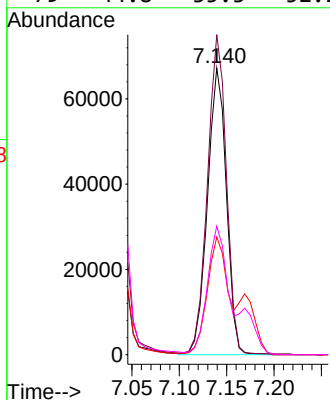
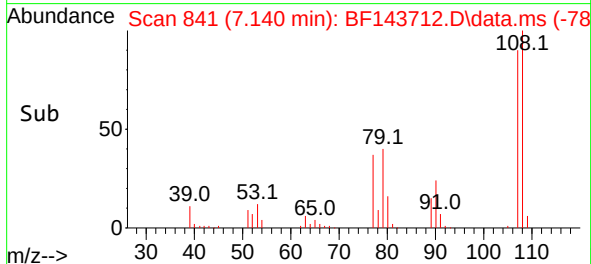


#17
2-Methylphenol
Concen: 48.219 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

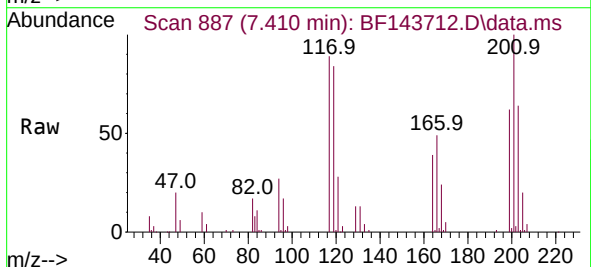
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS



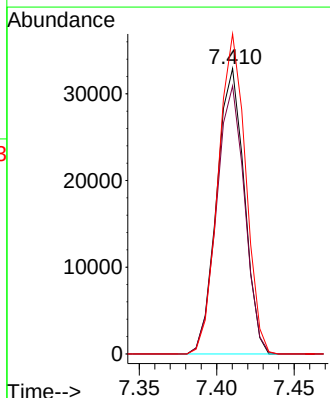
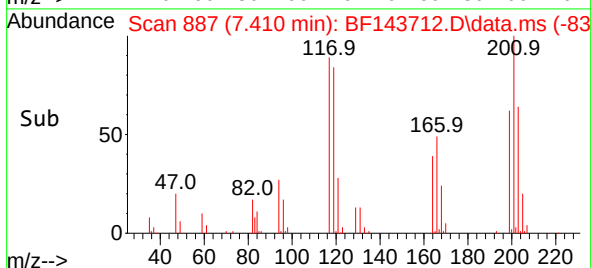
Tgt Ion:	107	Resp:	93614
Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	41.0	34.4	51.6
79	44.8	35.3	52.9

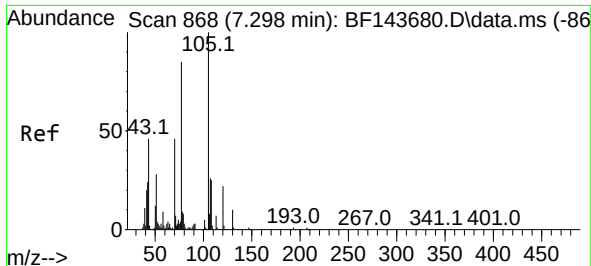


#18
Hexachloroethane
Concen: 45.275 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59



Tgt Ion:	117	Resp:	40745
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.2	114.2
201	112.2	86.4	129.6

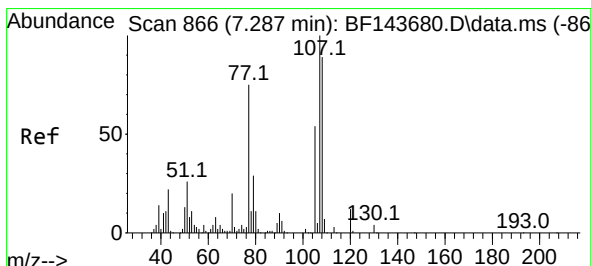
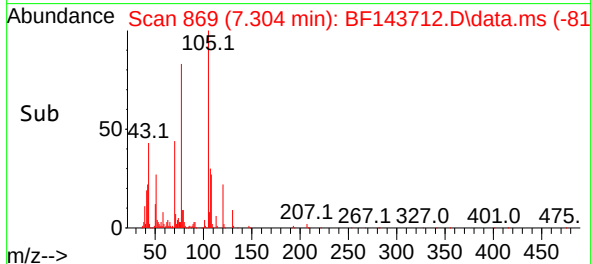
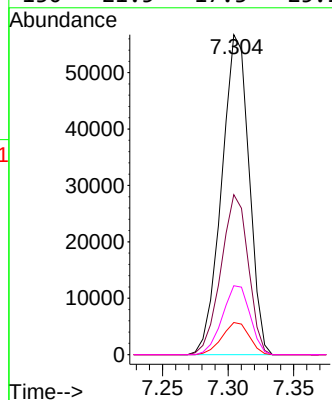
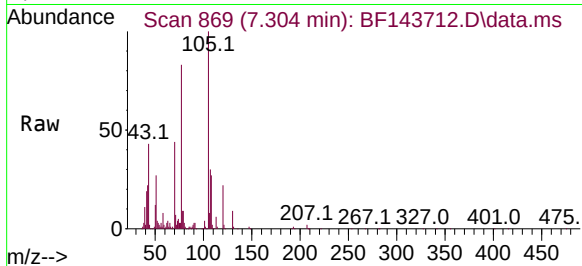




#19
n-Nitroso-di-n-propylamine
Concen: 49.371 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

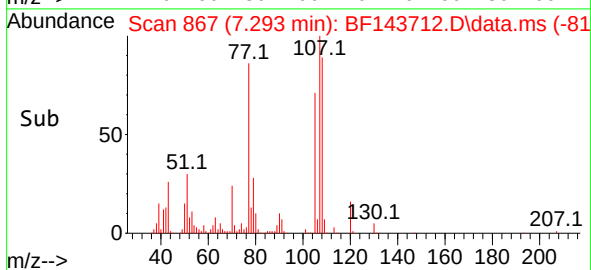
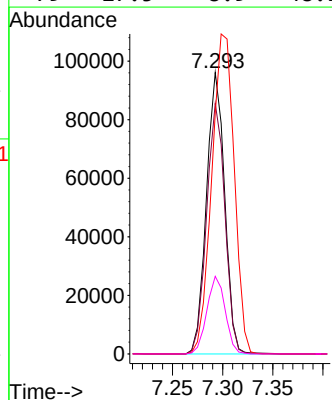
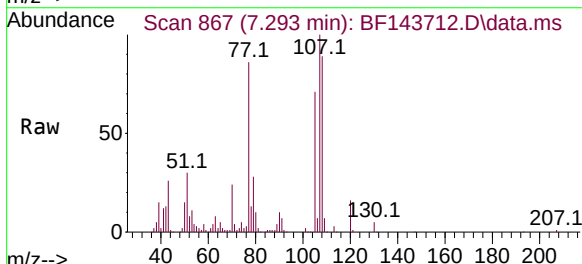
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

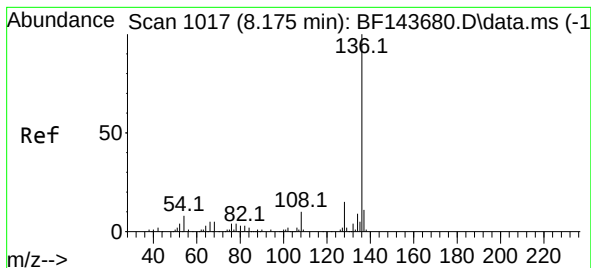
Tgt Ion:	70	Resp:	82500
Ion	Ratio	Lower	Upper
70	100		
42	50.0	41.4	62.2
101	10.0	8.1	12.1
130	21.5	17.3	25.9



#20
3+4-Methylphenols
Concen: 47.475 ng
RT: 7.293 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:	107	Resp:	121374
Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.6	108.6
77	85.5	54.6	94.6
79	27.5	8.9	48.9

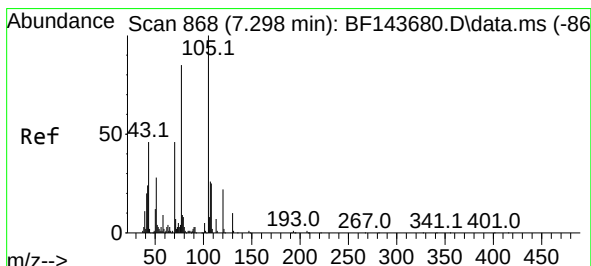
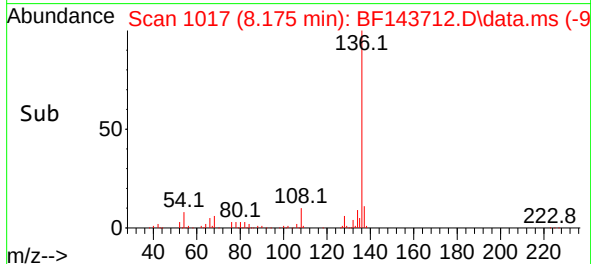
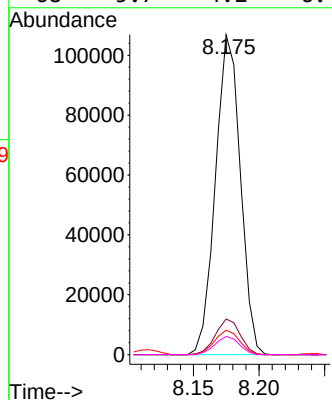
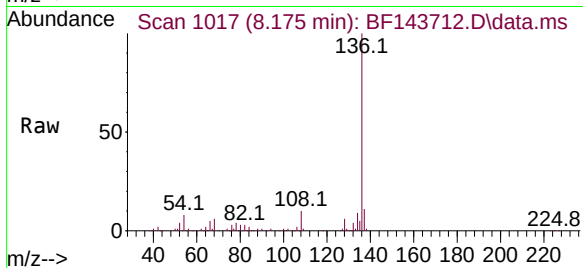




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

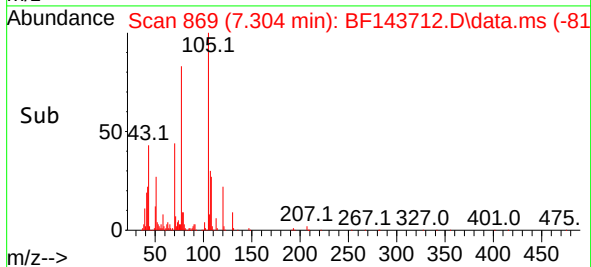
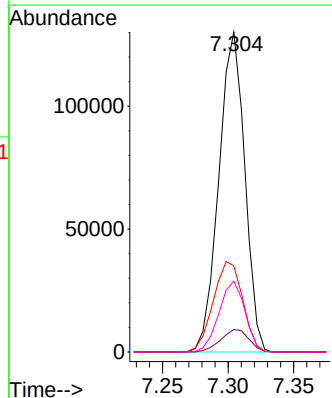
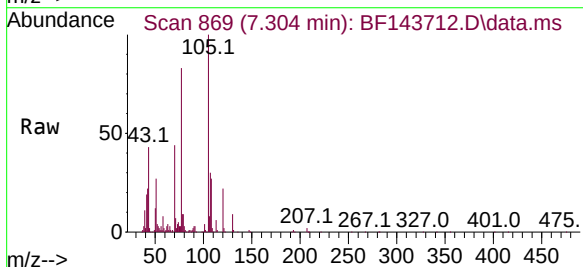
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

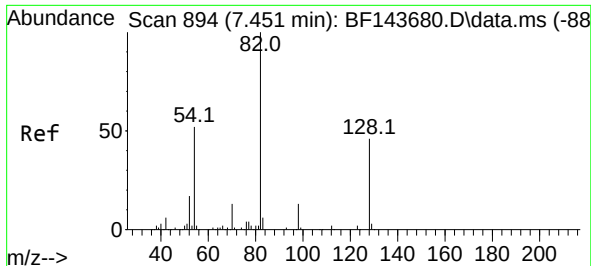
Tgt Ion:	136	Resp:	141026
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.6	6.2	9.2
68	5.7	4.2	6.4



#22
Acetophenone
Concen: 56.221 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:	105	Resp:	179068
Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.9	8.9
51	26.9	22.4	33.6
120	22.1	17.6	26.4





#23

Nitrobenzene-d5

Concen: 100.703 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

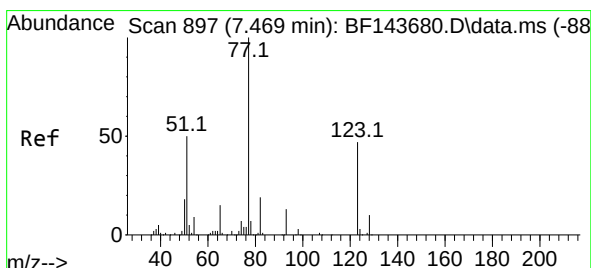
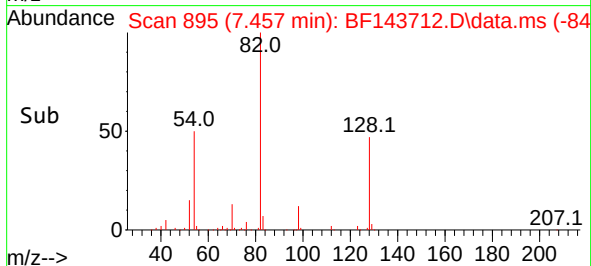
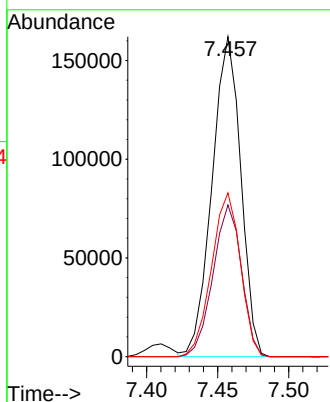
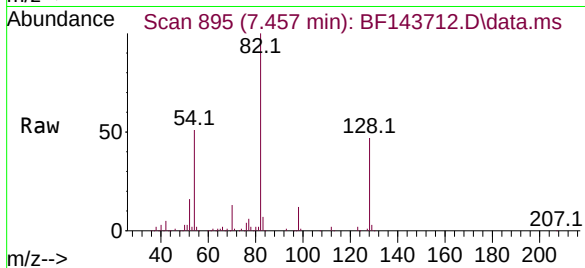
Tgt Ion: 82 Resp: 228322

Ion Ratio Lower Upper

82 100

128 47.4 37.0 55.4

54 51.2 41.8 62.8



#24

Nitrobenzene

Concen: 49.012 ng

RT: 7.475 min Scan# 898

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

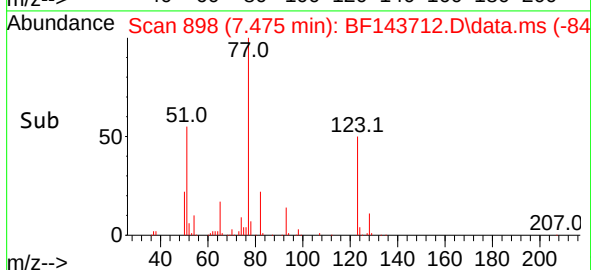
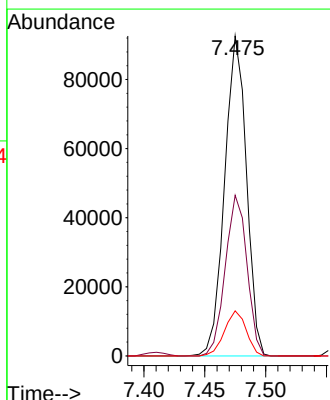
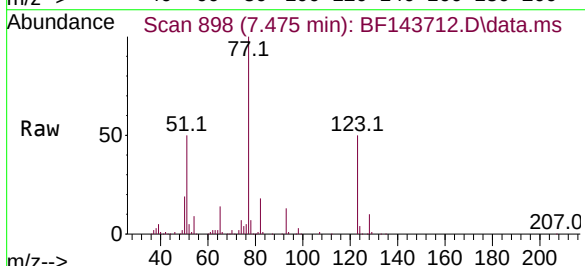
Tgt Ion: 77 Resp: 115223

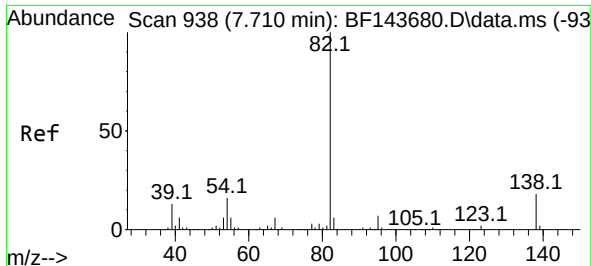
Ion Ratio Lower Upper

77 100

123 50.2 37.4 56.0

65 14.1 11.6 17.4

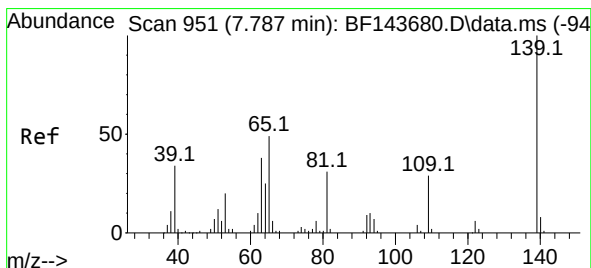
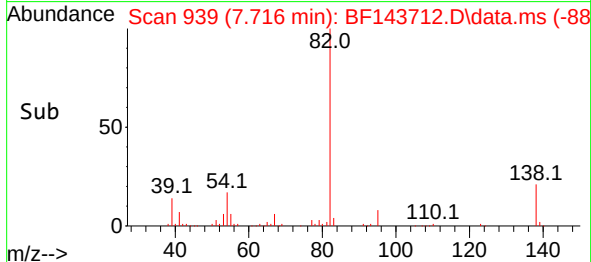
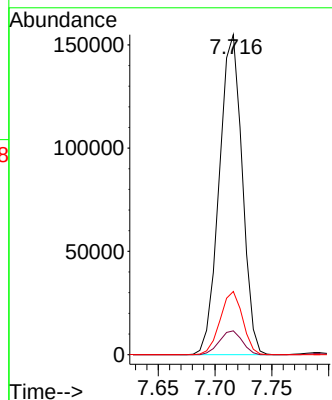
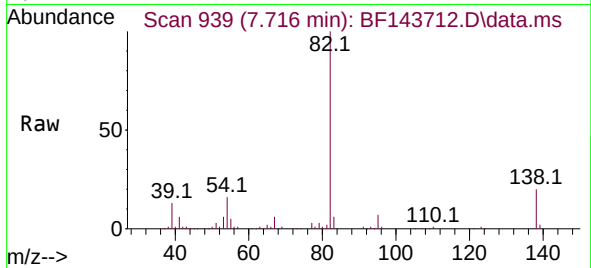




#25
Isophorone
Concen: 50.022 ng
RT: 7.716 min Scan# 938
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

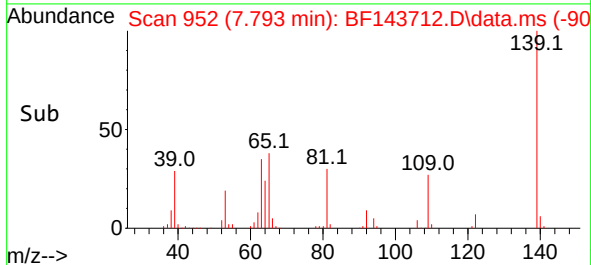
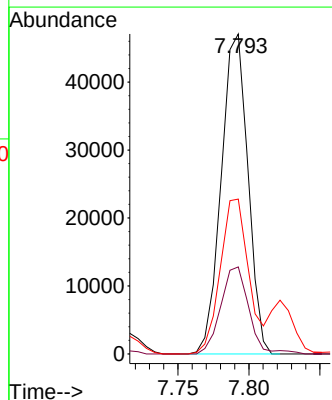
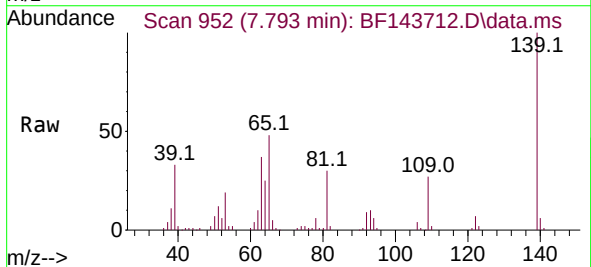
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

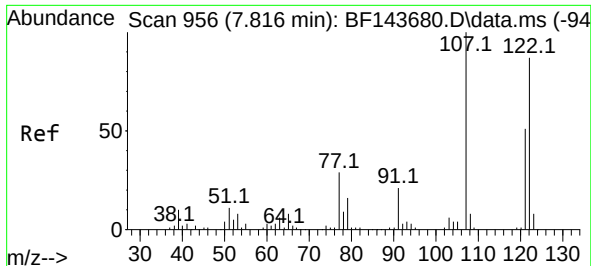
Tgt Ion: 82 Resp: 217476
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 19.7 14.8 22.2



#26
2-Nitrophenol
Concen: 53.366 ng
RT: 7.793 min Scan# 952
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:139 Resp: 61685
Ion Ratio Lower Upper
139 100
109 27.2 22.8 34.2
65 48.4 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 52.235 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

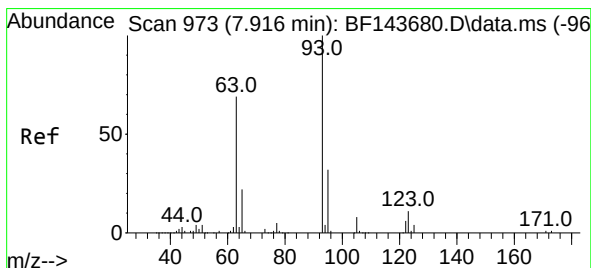
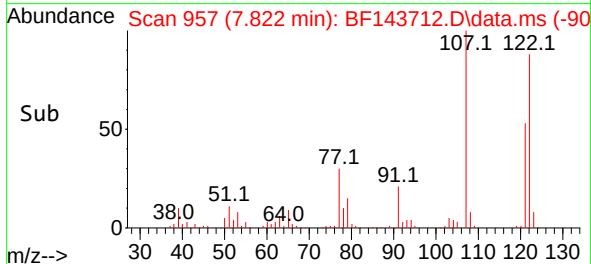
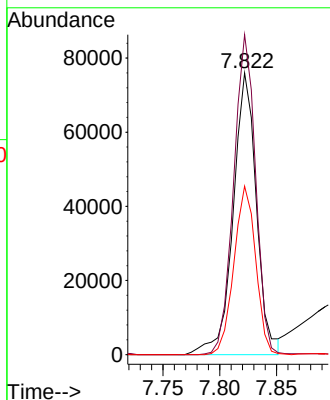
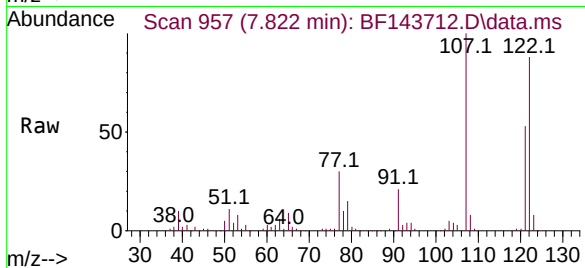
Tgt Ion:122 Resp: 108390

Ion Ratio Lower Upper

122 100

107 113.6 92.1 138.1

121 59.8 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 49.615 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

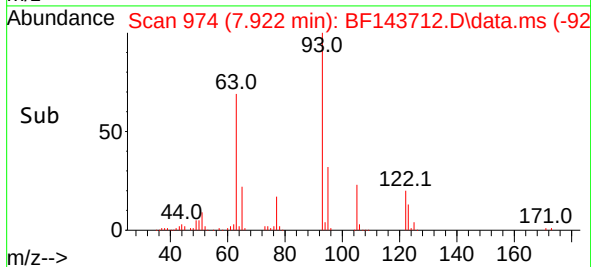
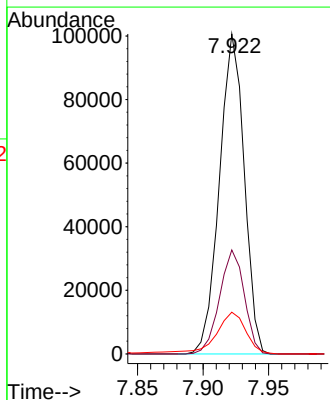
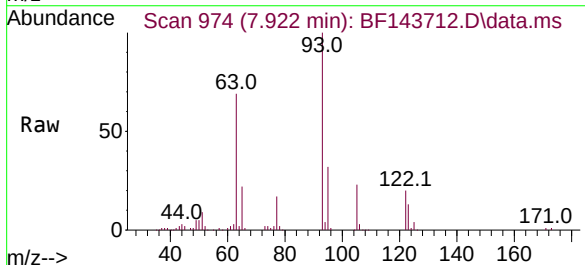
Tgt Ion: 93 Resp: 132560

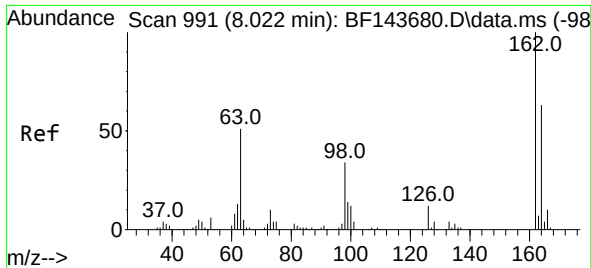
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 13.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 48.539 ng

RT: 8.028 min Scan# 991

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

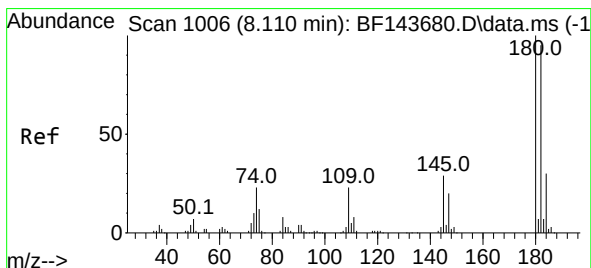
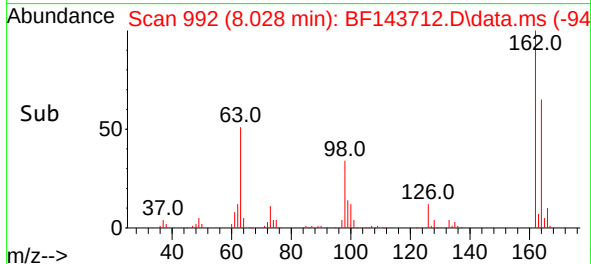
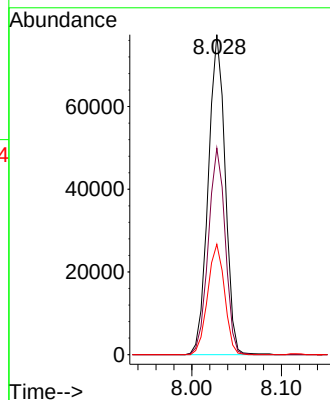
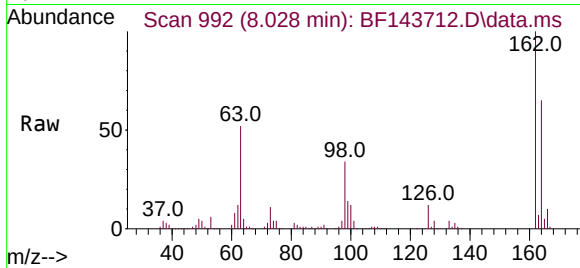
Tgt Ion:162 Resp: 101318

Ion Ratio Lower Upper

162 100

164 64.5 43.0 83.0

98 34.5 13.8 53.8



#30

1,2,4-Trichlorobenzene

Concen: 51.726 ng

RT: 8.116 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

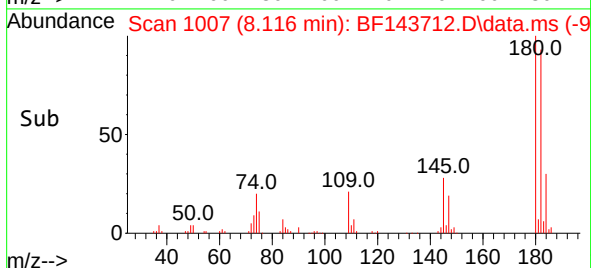
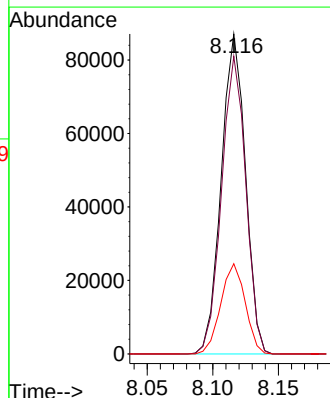
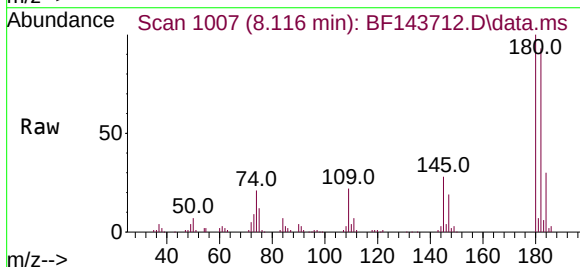
Tgt Ion:180 Resp: 111857

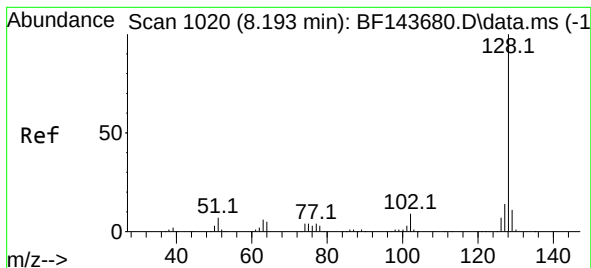
Ion Ratio Lower Upper

180 100

182 93.0 76.2 114.4

145 28.2 23.2 34.8





#31

Naphthalene

Concen: 49.103 ng

RT: 8.198 min Scan# 10

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

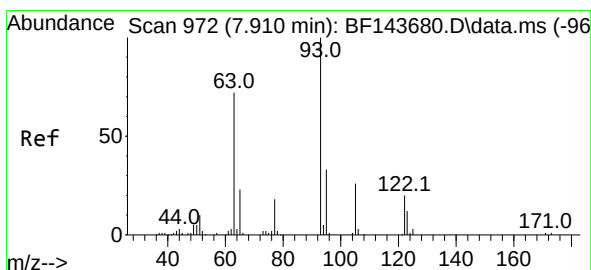
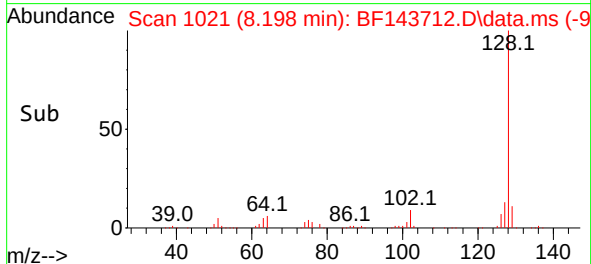
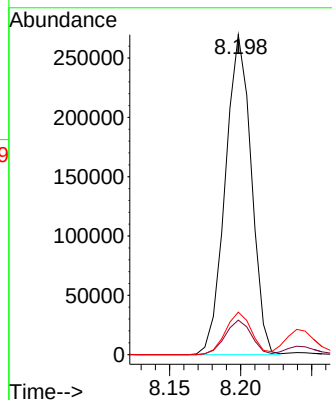
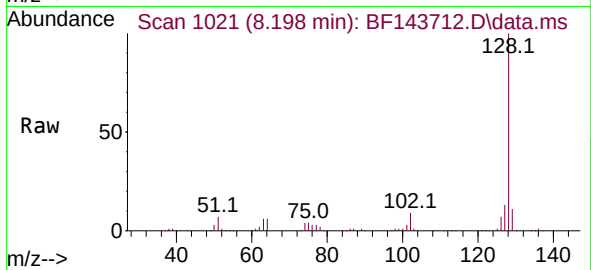
Tgt Ion:128 Resp: 342800

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.3 10.9 16.3



#32

Benzoic acid

Concen: 59.205 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

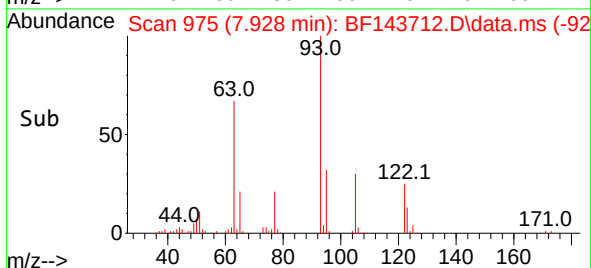
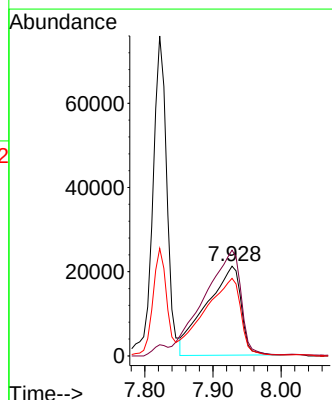
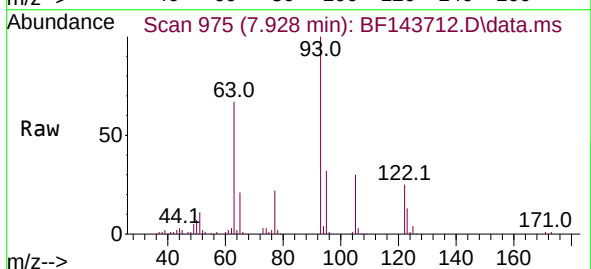
Tgt Ion:122 Resp: 74952

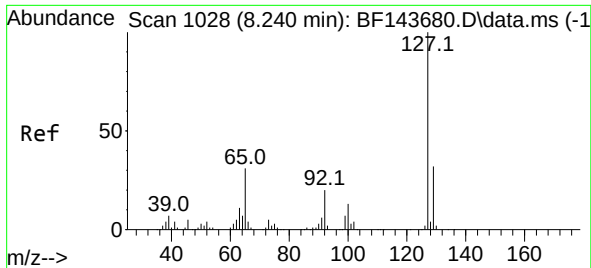
Ion Ratio Lower Upper

122 100

105 117.9 105.2 145.2

77 86.5 72.0 112.0

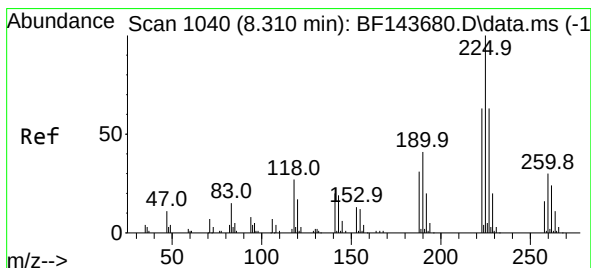
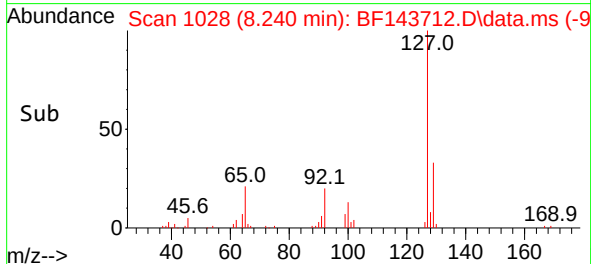
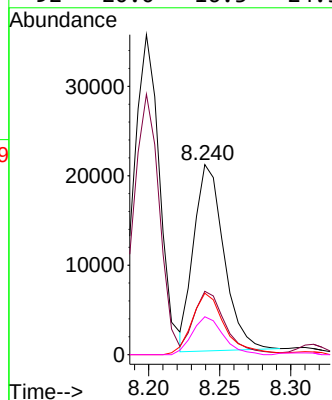
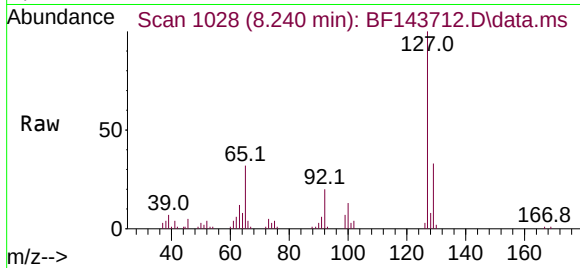




#33
4-Chloroaniline
Concen: 12.650 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

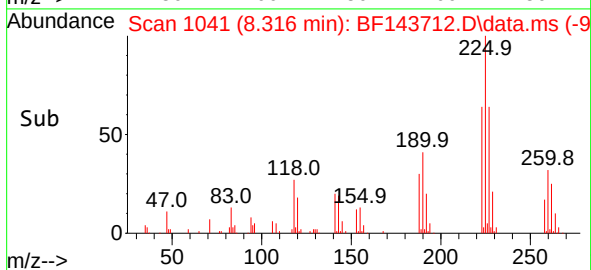
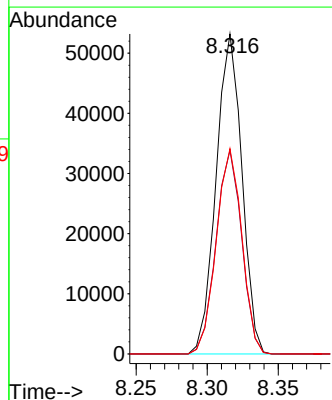
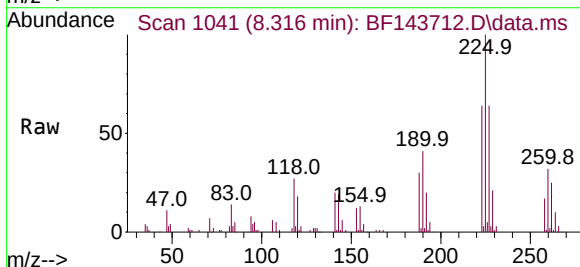
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

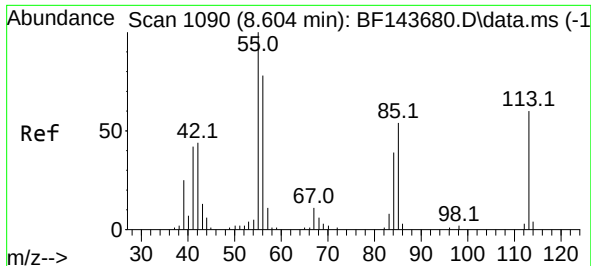
Tgt Ion:	127	Resp:	30744
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.0	39.0
65	32.3	24.6	36.8
92	20.0	16.3	24.5



#34
Hexachlorobutadiene
Concen: 47.685 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:	225	Resp:	67259
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	64.1	50.8	76.2

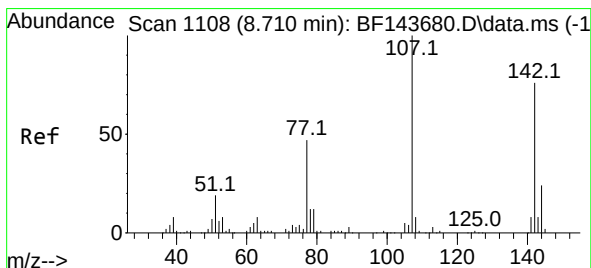
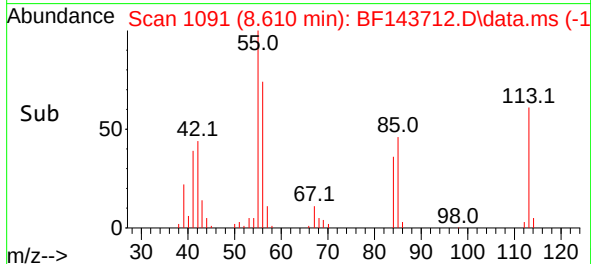
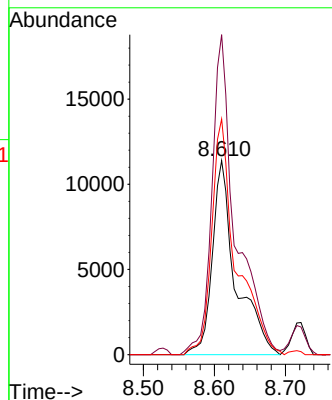
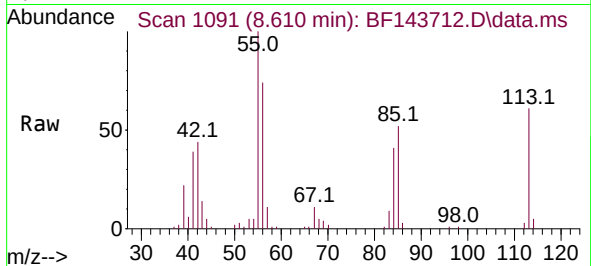




#35
Caprolactam
Concen: 47.371 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

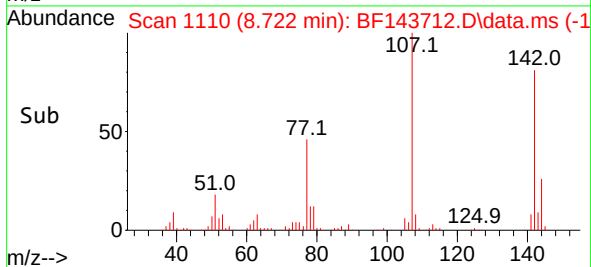
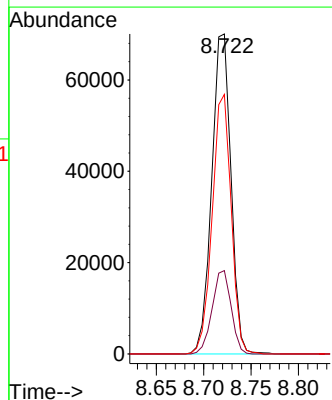
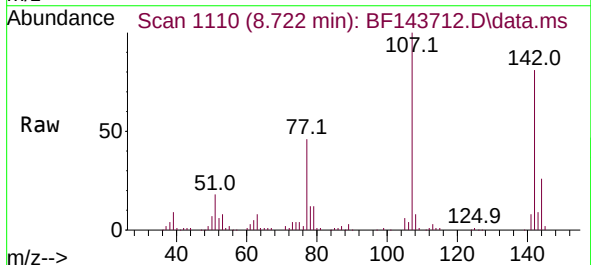
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

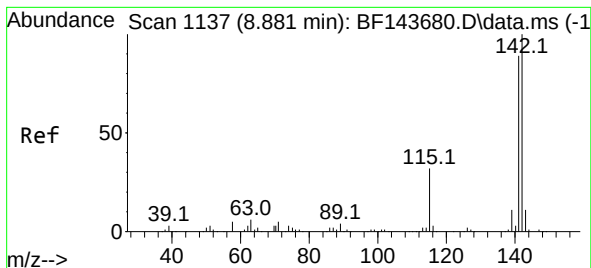
Tgt Ion:113 Resp: 26317
Ion Ratio Lower Upper
113 100
55 164.9 148.9 188.9
56 121.4 112.8 152.8



#36
4-Chloro-3-methylphenol
Concen: 48.130 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:107 Resp: 99059
Ion Ratio Lower Upper
107 100
144 26.0 19.4 29.2
142 81.1 60.6 91.0

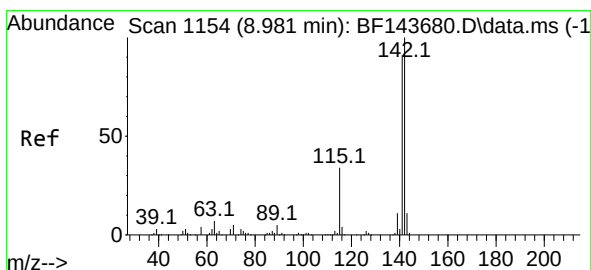
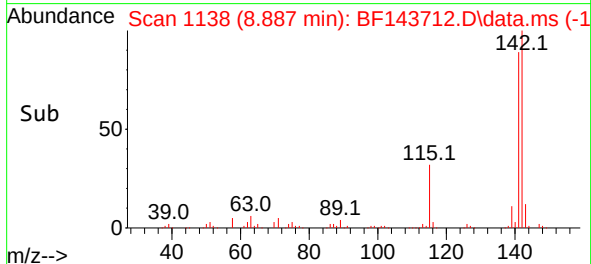
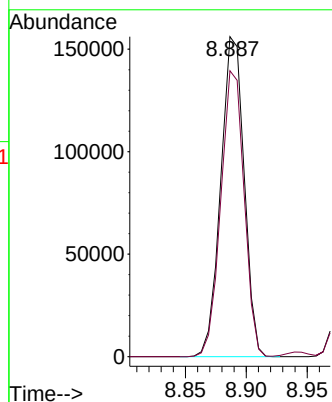
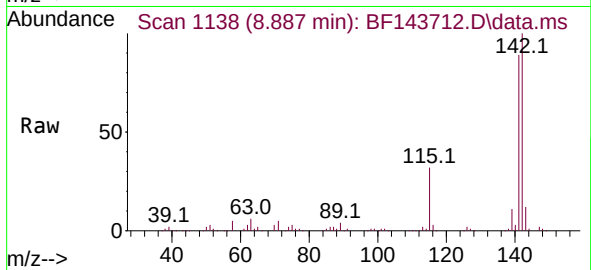




#37
2-Methylnaphthalene
Concen: 43.638 ng
RT: 8.887 min Scan# 1137
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

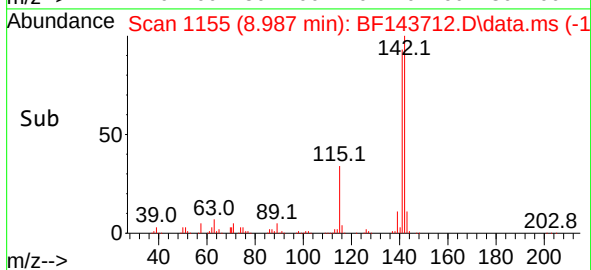
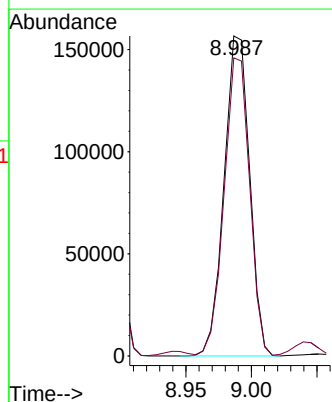
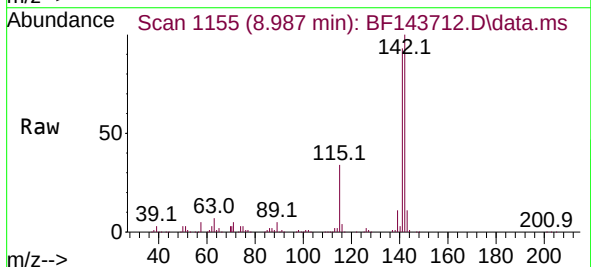
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

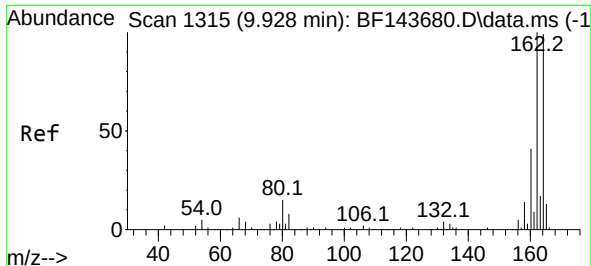
Tgt Ion:142 Resp: 208542
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7



#38
1-Methylnaphthalene
Concen: 46.291 ng
RT: 8.987 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:142 Resp: 212303
Ion Ratio Lower Upper
142 100
141 93.1 72.9 109.3

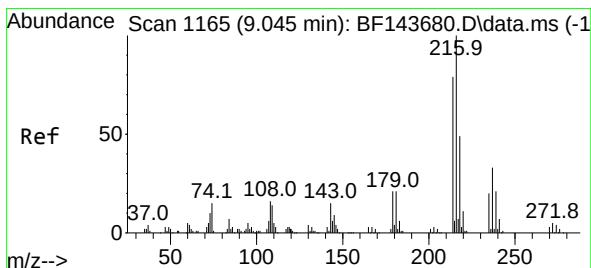
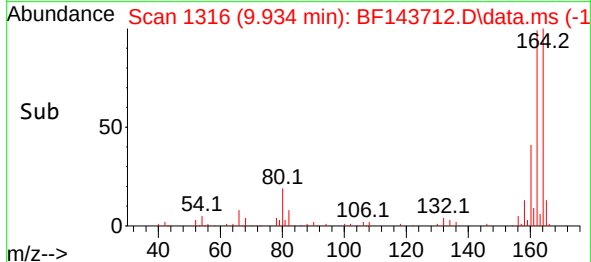
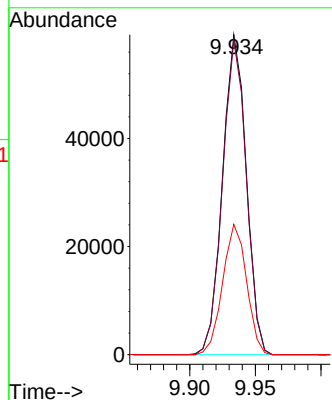
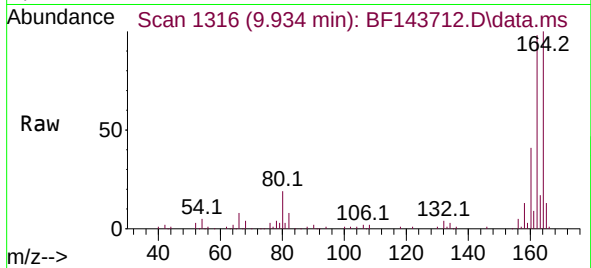




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.934 min Scan# 1315
 Delta R.T. 0.006 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

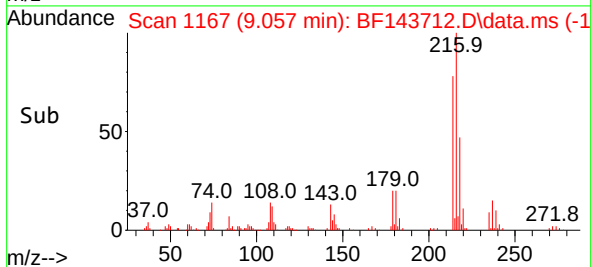
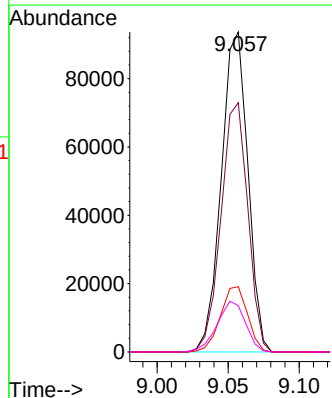
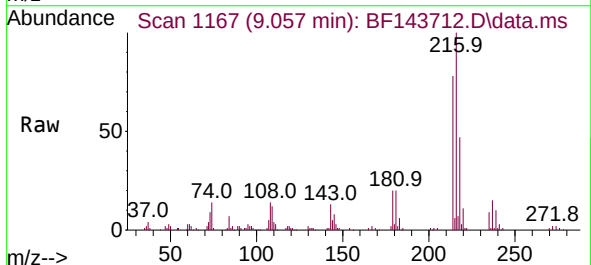
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1MS

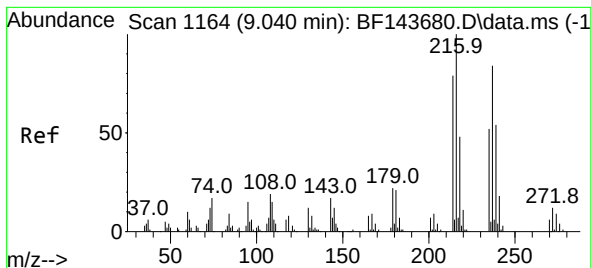
Tgt Ion:164 Resp: 74973
 Ion Ratio Lower Upper
 164 100
 162 98.2 80.6 121.0
 160 40.7 33.0 49.4



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 56.856 ng
 RT: 9.057 min Scan# 1167
 Delta R.T. 0.012 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

Tgt Ion:216 Resp: 122034
 Ion Ratio Lower Upper
 216 100
 214 78.4 63.2 94.8
 179 20.8 16.8 25.2
 108 16.9 13.0 19.6





#41

Hexachlorocyclopentadiene

Concen: 76.929 ng

RT: 9.045 min Scan# 1164

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

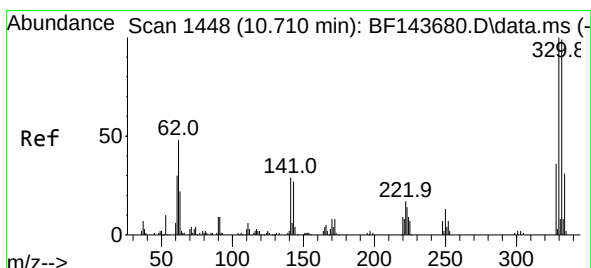
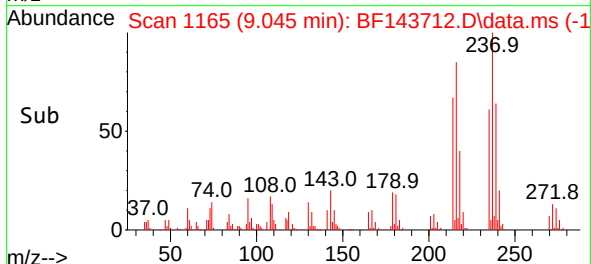
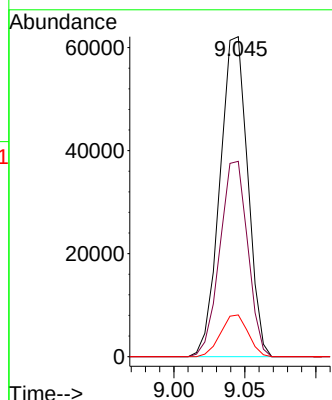
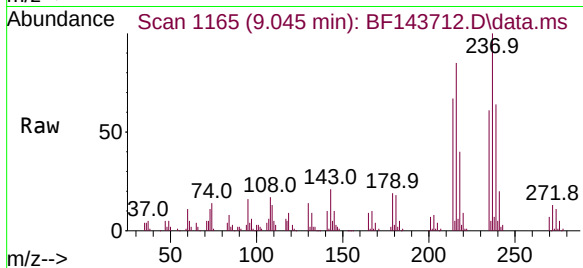
Tgt Ion:237 Resp: 84770

Ion Ratio Lower Upper

237 100

235 61.0 41.6 81.6

272 13.0 0.0 33.9



#42

2,4,6-Tribromophenol

Concen: 137.911 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

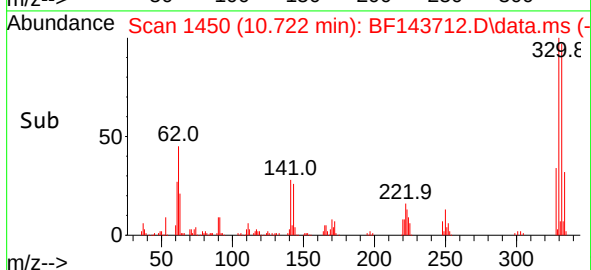
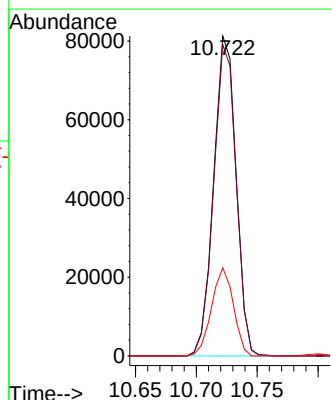
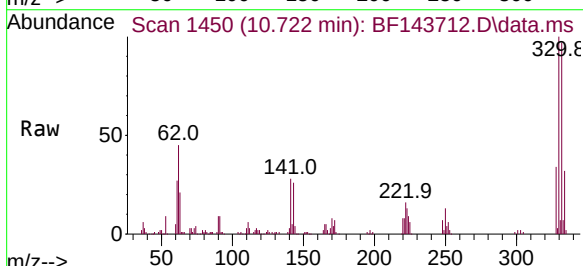
Tgt Ion:330 Resp: 104200

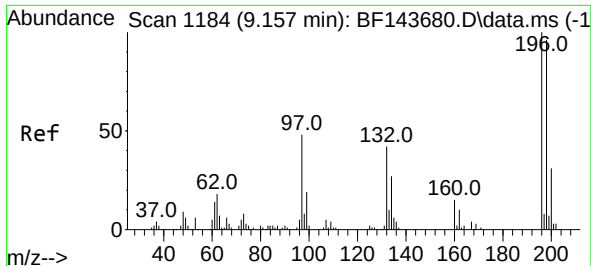
Ion Ratio Lower Upper

330 100

332 97.2 79.2 118.8

141 26.8 22.2 33.4





#43

2,4,6-Trichlorophenol

Concen: 51.952 ng

RT: 9.163 min Scan# 1185

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

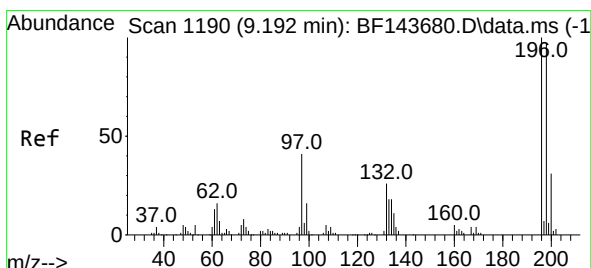
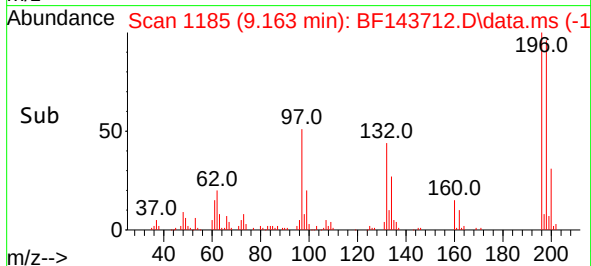
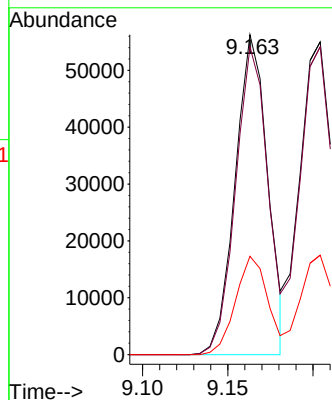
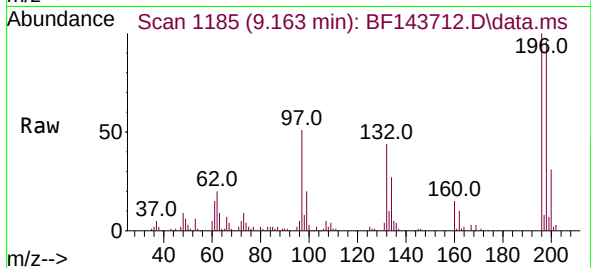
Tgt Ion:196 Resp: 74458

Ion Ratio Lower Upper

196 100

198 96.2 76.5 114.7

200 30.7 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 50.544 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Tgt Ion:196 Resp: 73644

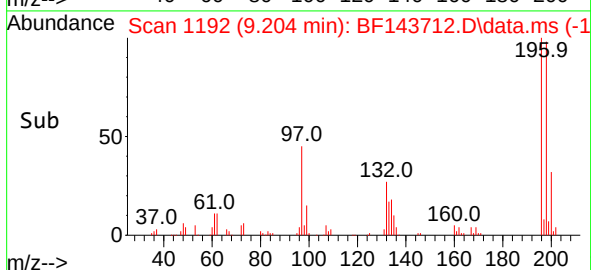
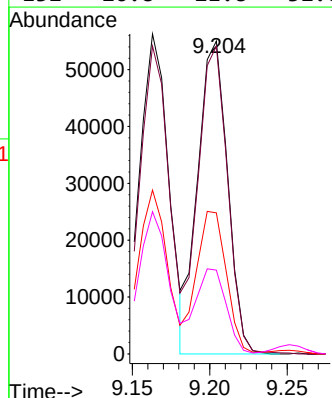
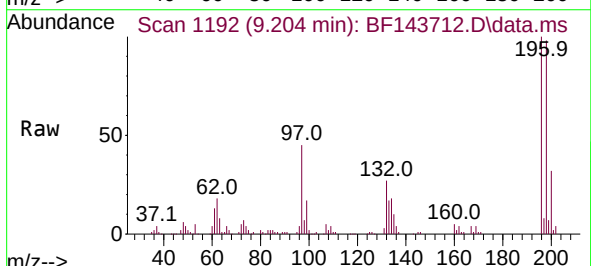
Ion Ratio Lower Upper

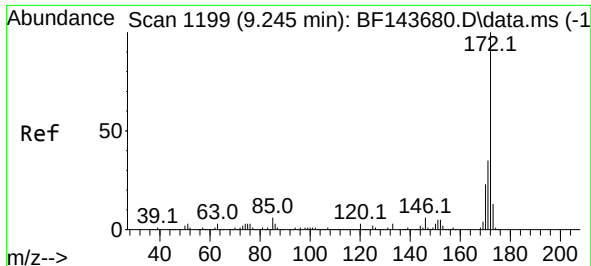
196 100

198 98.4 77.0 115.6

97 45.1 34.2 51.4

132 26.8 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 102.001 ng

RT: 9.251 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

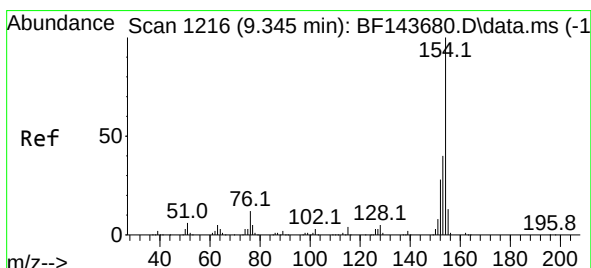
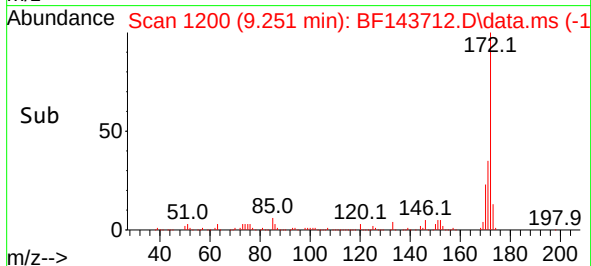
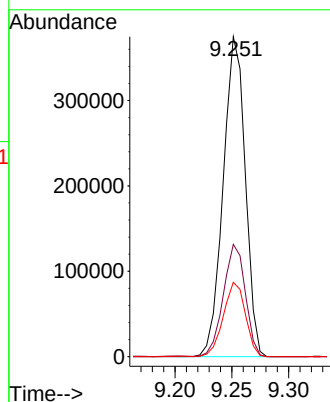
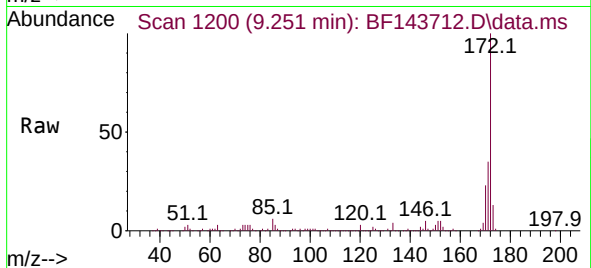
Tgt Ion:172 Resp: 506239

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

170 23.2 18.6 27.8



#46

1,1'-Biphenyl

Concen: 57.564 ng

RT: 9.357 min Scan# 1218

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

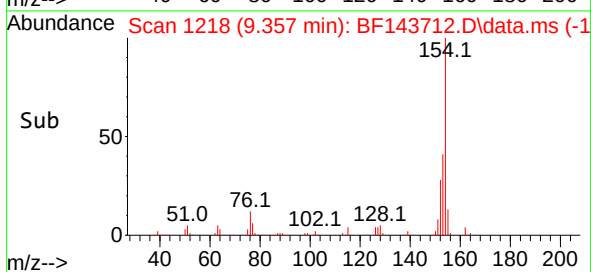
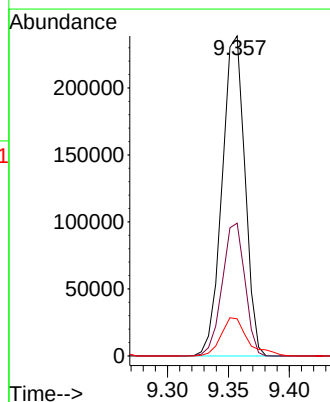
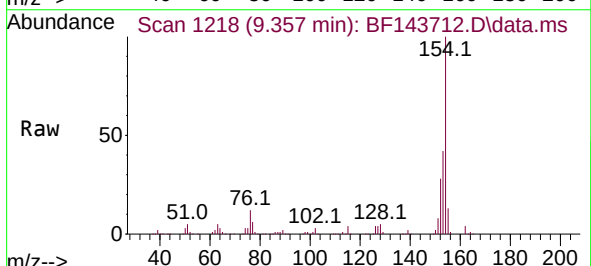
Tgt Ion:154 Resp: 310699

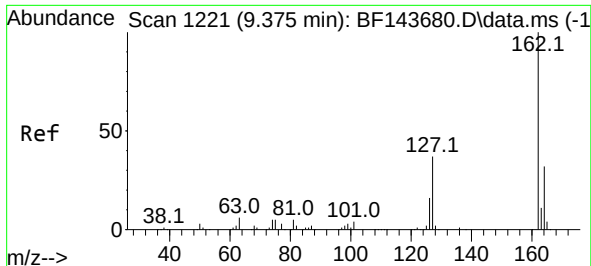
Ion Ratio Lower Upper

154 100

153 41.5 20.2 60.2

76 11.6 0.0 31.6





#47

2-Chloronaphthalene

Concen: 50.327 ng

RT: 9.381 min Scan# 1221

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

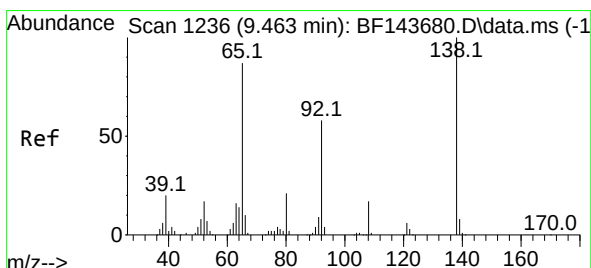
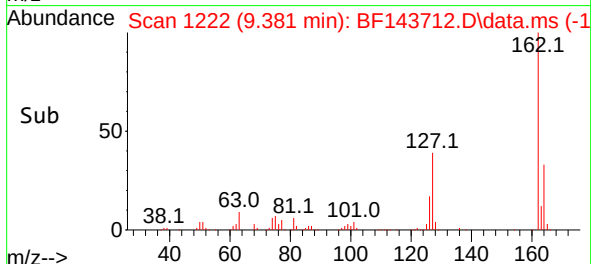
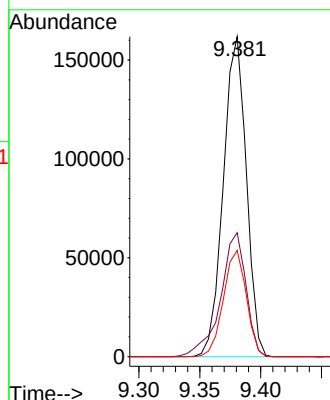
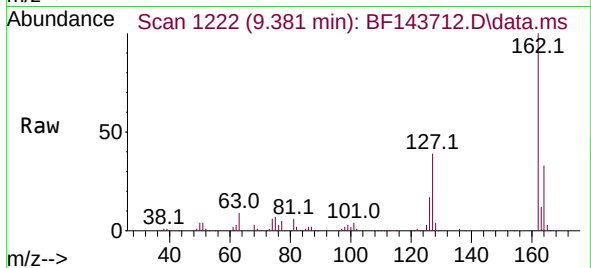
Tgt Ion:162 Resp: 212953

Ion Ratio Lower Upper

162 100

127 38.7 30.6 45.8

164 33.2 25.8 38.8



#48

2-Nitroaniline

Concen: 53.811 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

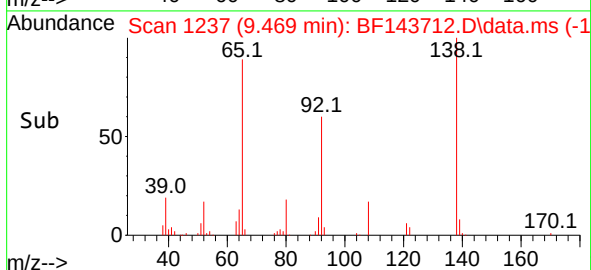
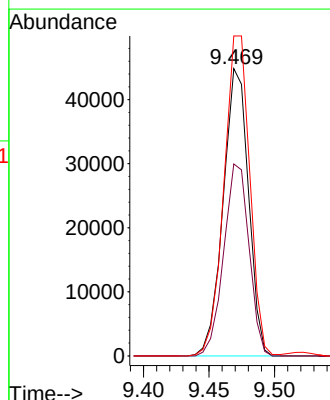
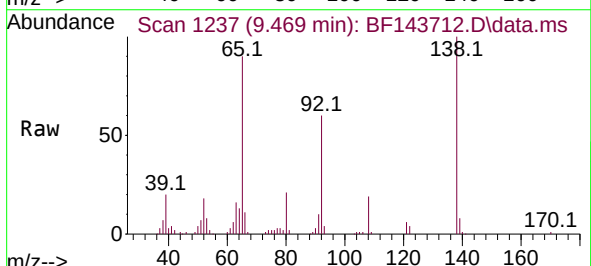
Tgt Ion: 65 Resp: 60257

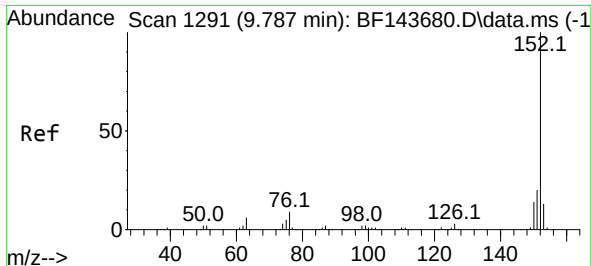
Ion Ratio Lower Upper

65 100

92 66.8 53.3 79.9

138 111.4 92.1 138.1





#49

Acenaphthylene

Concen: 57.774 ng

RT: 9.798 min Scan# 1291

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

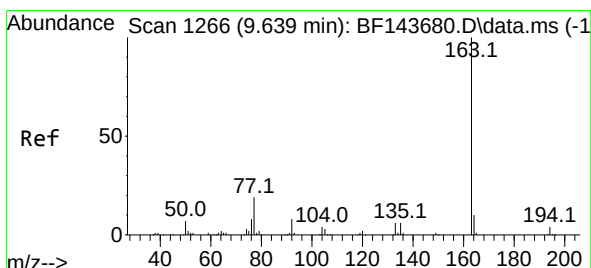
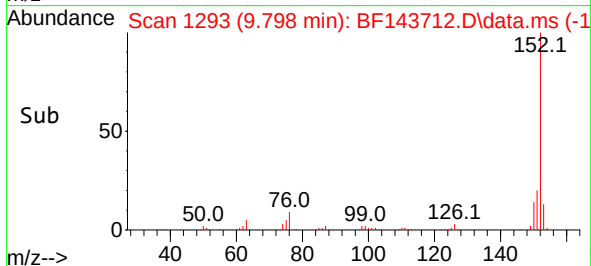
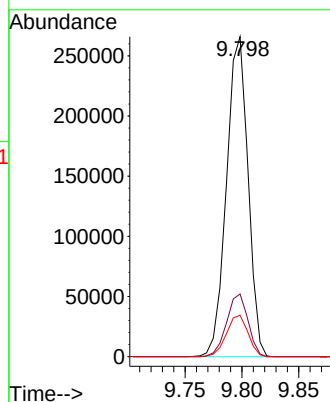
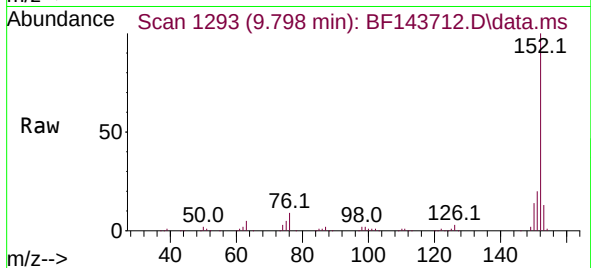
Tgt Ion:152 Resp: 350181

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 52.477 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

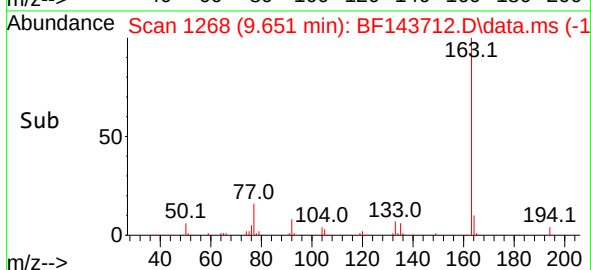
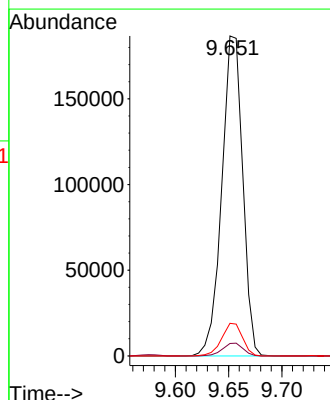
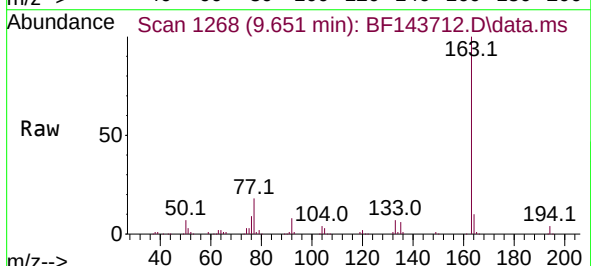
Tgt Ion:163 Resp: 255984

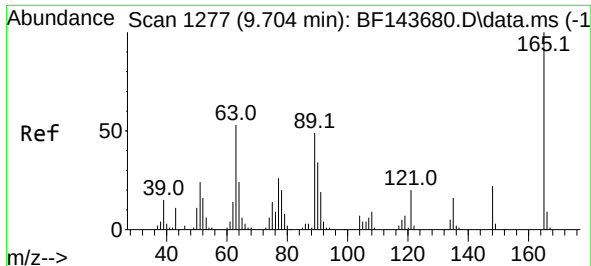
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 56.677 ng

RT: 9.716 min Scan# 1277

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

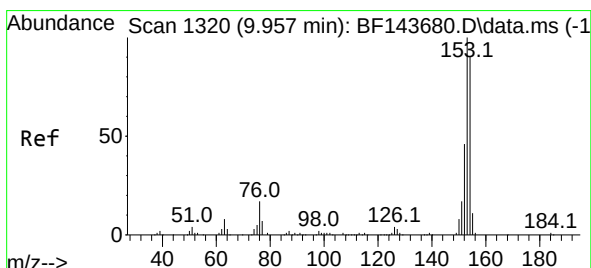
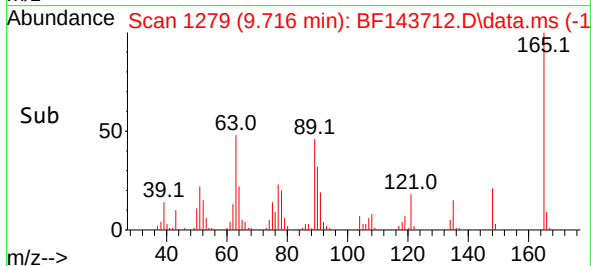
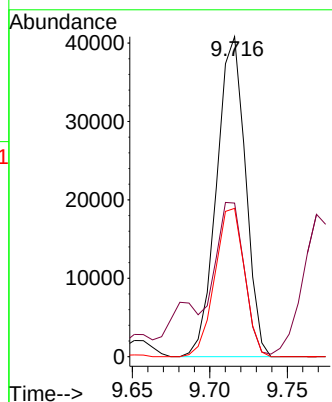
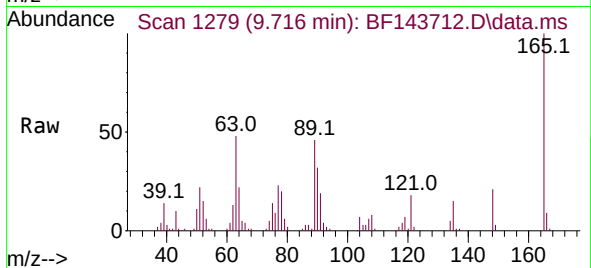
Tgt Ion:165 Resp: 52860

Ion Ratio Lower Upper

165 100

63 48.0 42.2 63.4

89 46.3 39.3 58.9



#52

Acenaphthene

Concen: 50.914 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

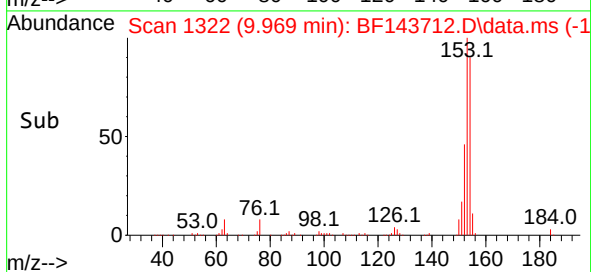
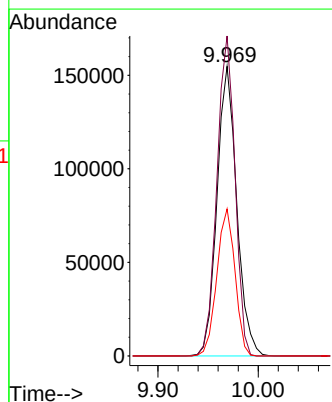
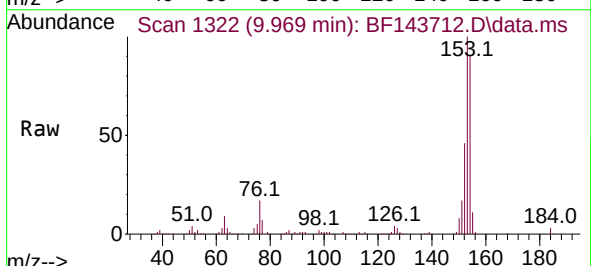
Tgt Ion:154 Resp: 212653

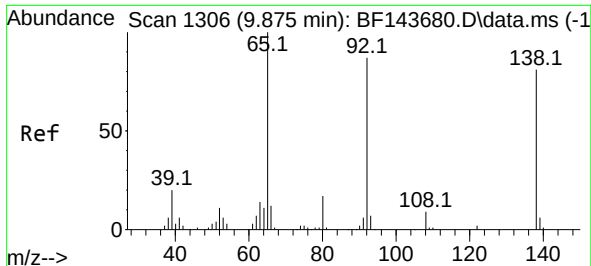
Ion Ratio Lower Upper

154 100

153 110.5 89.4 134.0

152 50.7 41.2 61.8

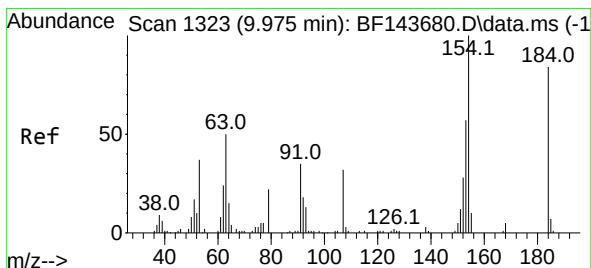
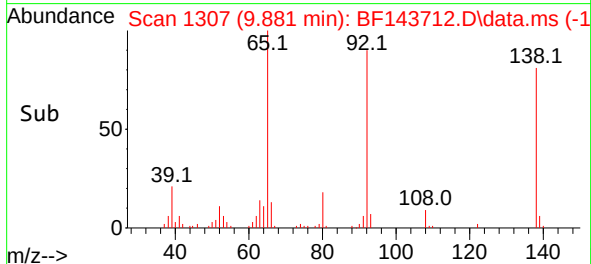
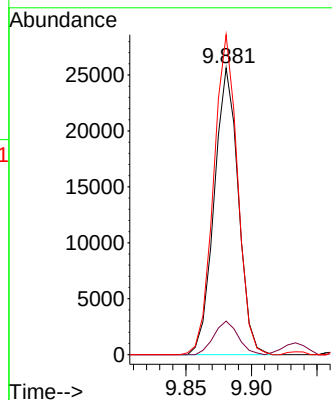
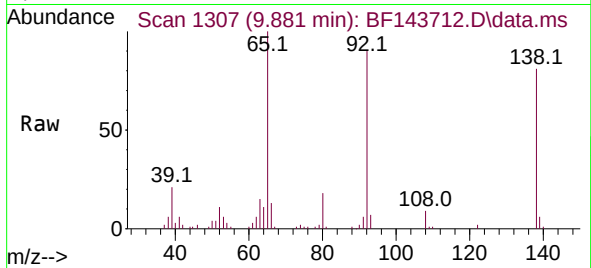




#53
3-Nitroaniline
Concen: 32.669 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

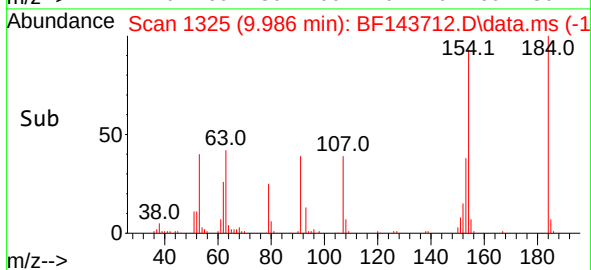
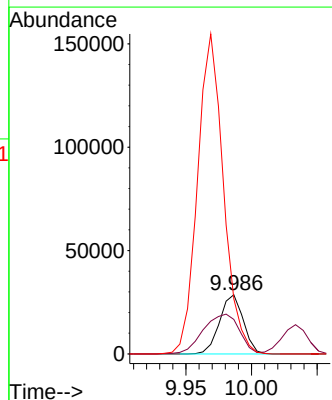
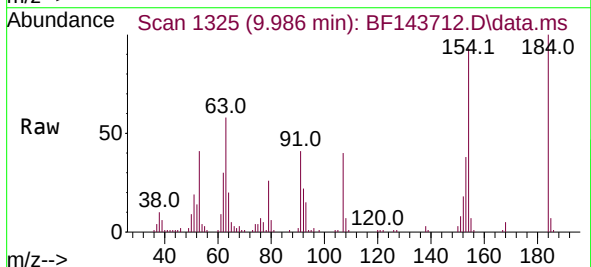
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

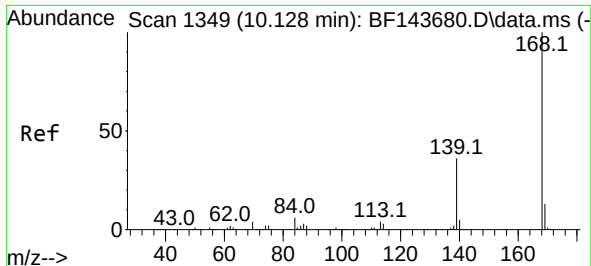
Tgt Ion:138 Resp: 32789
Ion Ratio Lower Upper
138 100
108 11.7 8.6 12.8
92 111.6 85.5 128.3



#54
2,4-Dinitrophenol
Concen: 72.015 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:184 Resp: 35832
Ion Ratio Lower Upper
184 100
63 58.2 52.7 79.1
154 93.2 136.6 204.8#

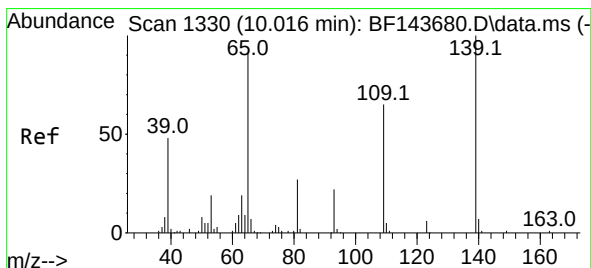
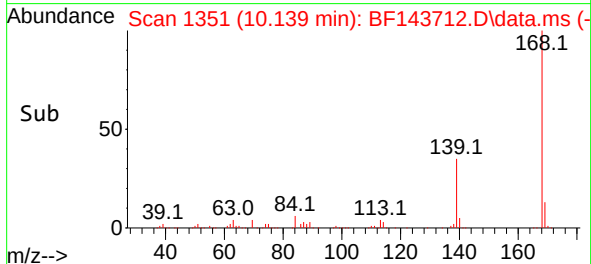
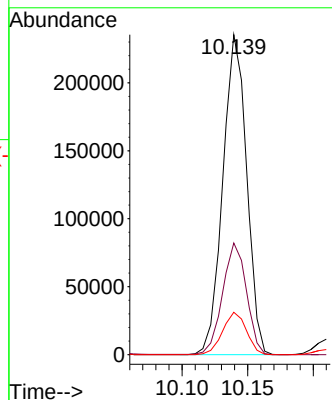
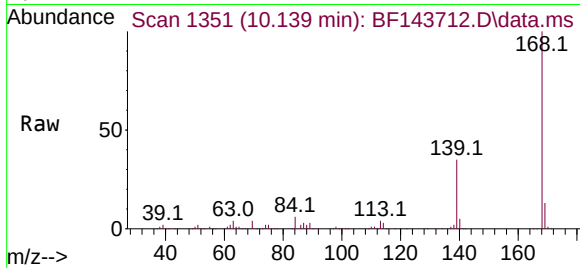




#55
Dibenzofuran
Concen: 49.481 ng
RT: 10.139 min Scan# 1351
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

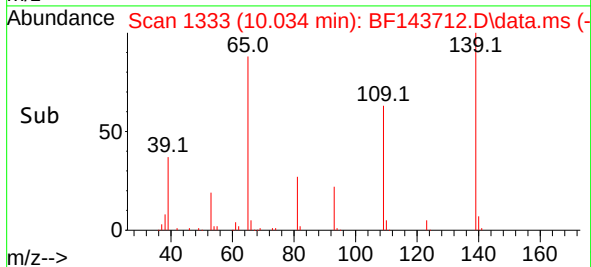
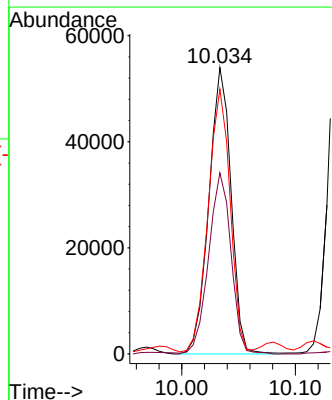
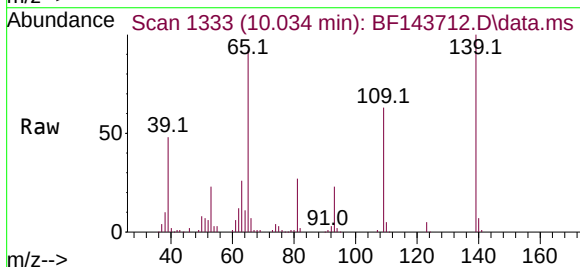
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

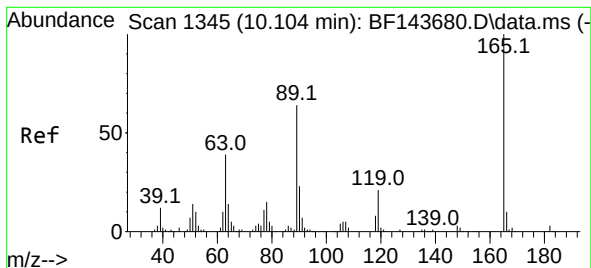
Tgt Ion:168 Resp: 297181
Ion Ratio Lower Upper
168 100
139 34.9 29.0 43.4
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 91.744 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.018 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:139 Resp: 73258
Ion Ratio Lower Upper
139 100
109 63.2 45.2 85.2
65 92.4 72.1 112.1

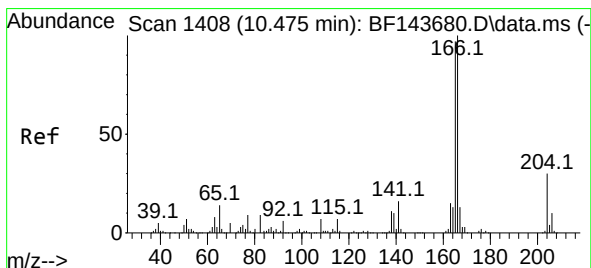
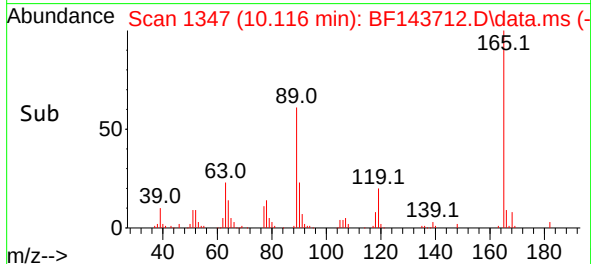
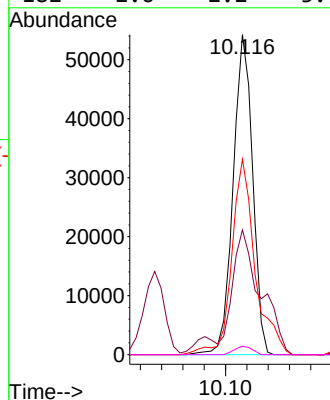
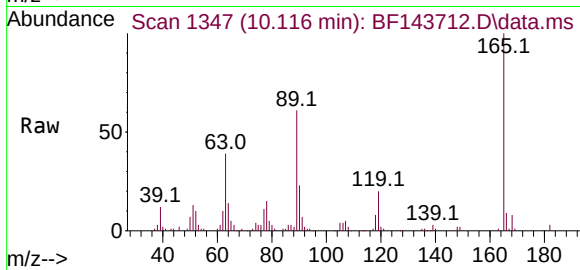




#57
2,4-Dinitrotoluene
Concen: 54.228 ng
RT: 10.116 min Scan# 1410
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

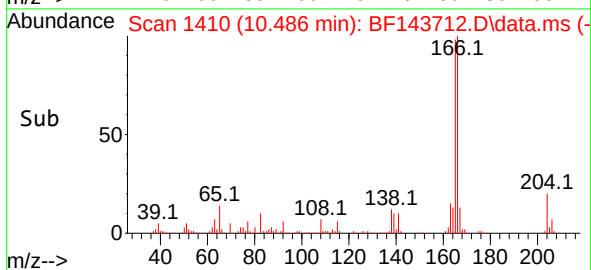
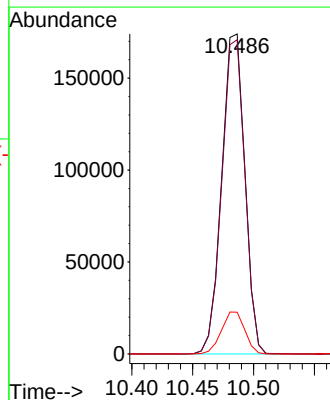
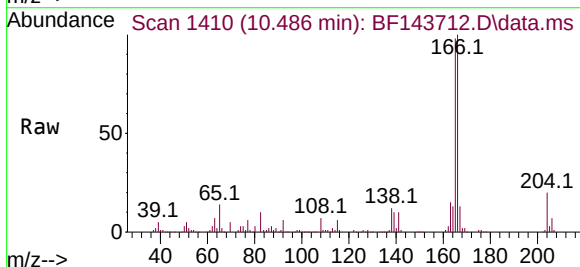
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

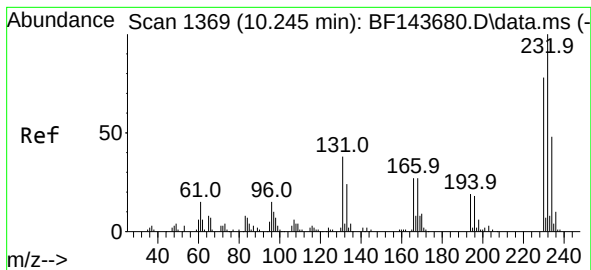
Tgt Ion:165 Resp: 68835
Ion Ratio Lower Upper
165 100
63 39.0 31.5 47.3
89 61.0 51.3 76.9
182 2.6 2.2 3.4



#58
Fluorene
Concen: 48.834 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:166 Resp: 229583
Ion Ratio Lower Upper
166 100
165 98.2 77.5 116.3
167 13.1 10.2 15.2

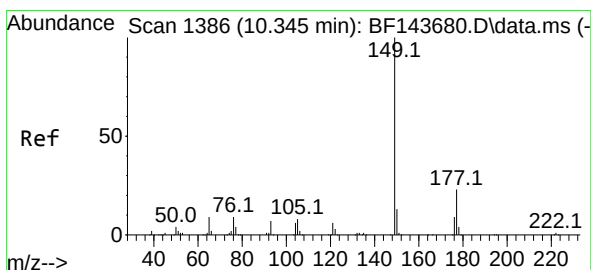
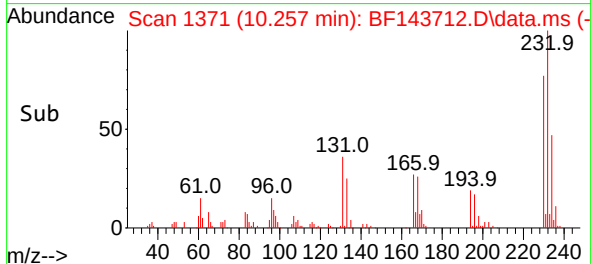
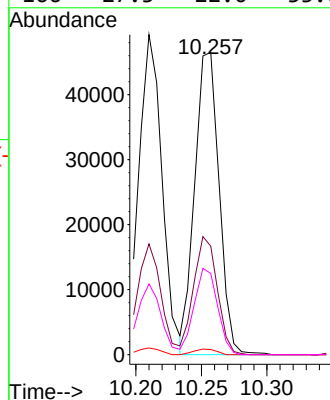
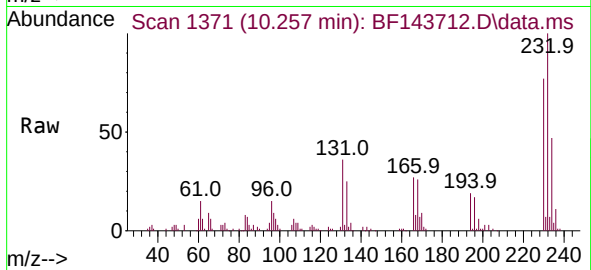




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.846 ng
RT: 10.257 min Scan# 1371
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

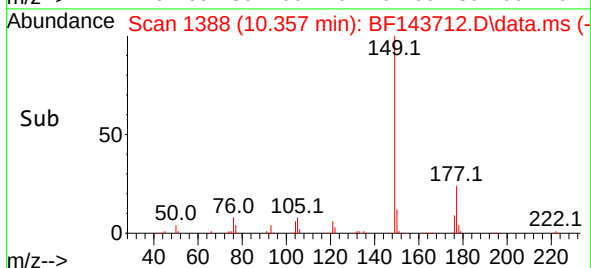
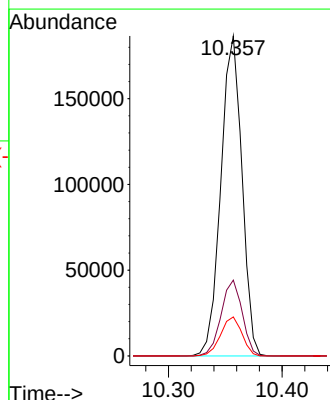
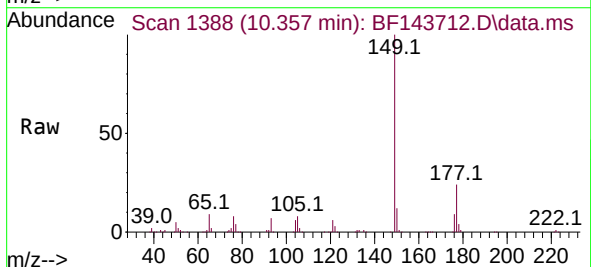
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

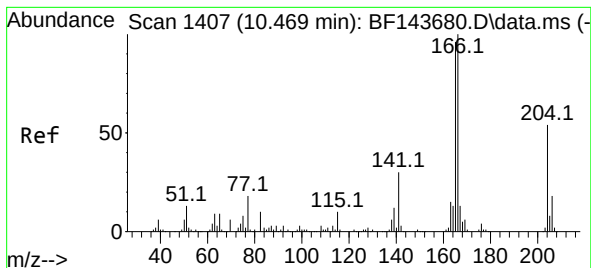
Tgt Ion:232 Resp: 60071
Ion Ratio Lower Upper
232 100
131 37.8 31.9 47.9
130 1.7 1.4 2.0
166 27.3 22.0 33.0



#60
Diethylphthalate
Concen: 52.388 ng
RT: 10.357 min Scan# 1388
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:149 Resp: 239914
Ion Ratio Lower Upper
149 100
177 23.7 18.2 27.2
150 12.2 10.0 15.0

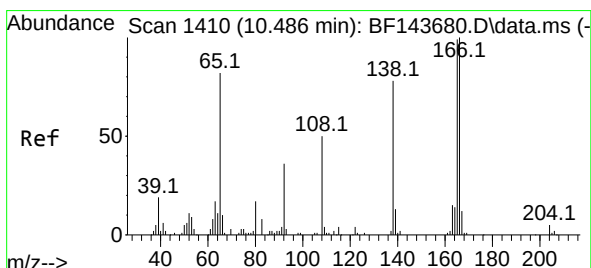
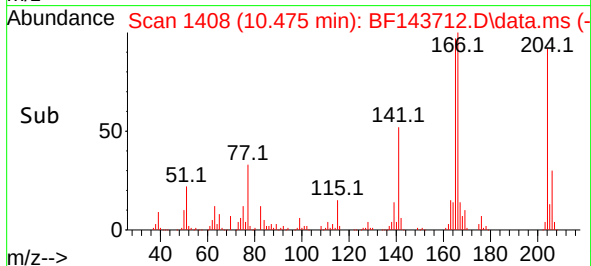
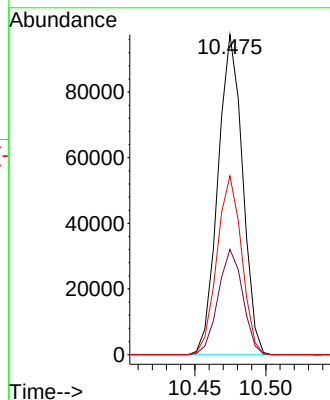
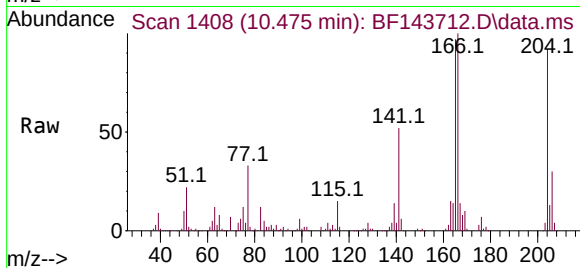




#61
4-Chlorophenyl-phenylether
Concen: 49.318 ng
RT: 10.475 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

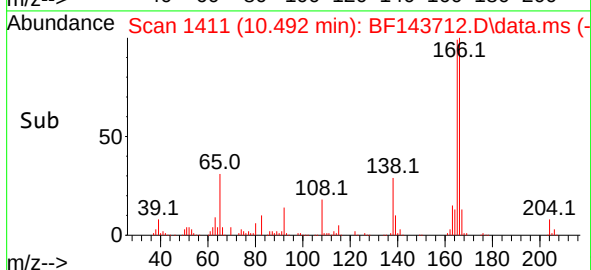
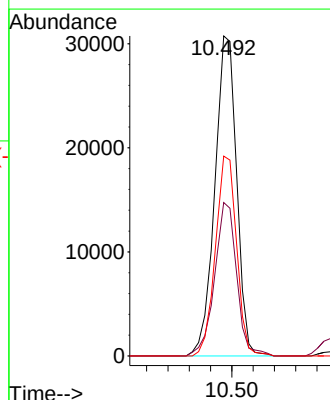
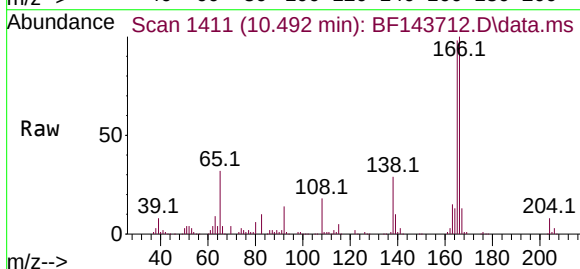
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

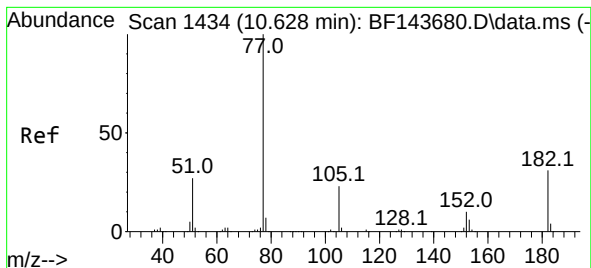
Tgt Ion:204 Resp: 117589
Ion Ratio Lower Upper
204 100
206 32.9 26.0 39.0
141 55.9 44.8 67.2



#62
4-Nitroaniline
Concen: 46.108 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:138 Resp: 43831
Ion Ratio Lower Upper
138 100
92 47.9 26.4 66.4
108 62.4 44.3 84.3





#63

Azobenzene

Concen: 49.554 ng

RT: 10.634 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

Tgt Ion: 77 Resp: 200625

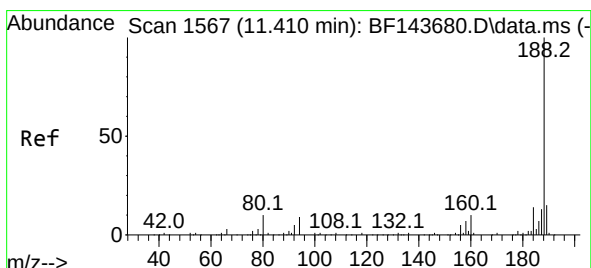
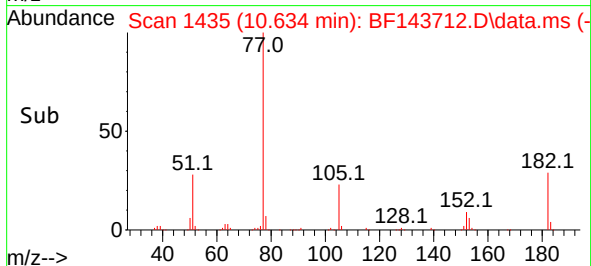
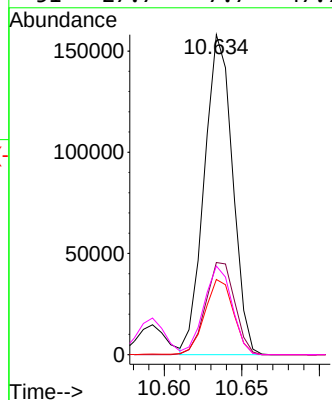
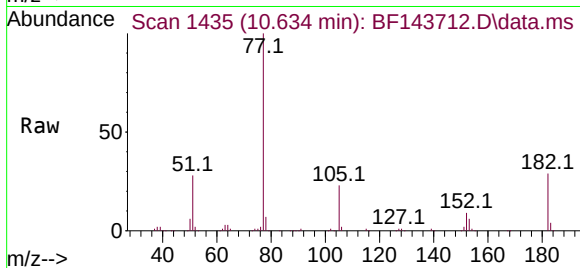
Ion Ratio Lower Upper

77 100

182 28.8 10.8 50.8

105 23.5 3.2 43.2

51 27.7 7.7 47.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

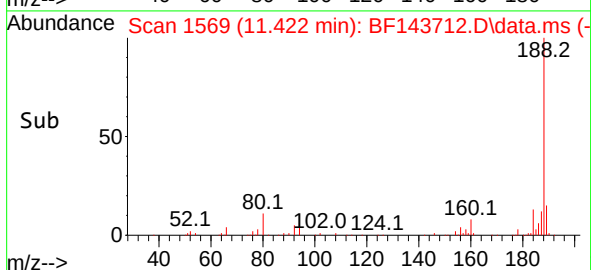
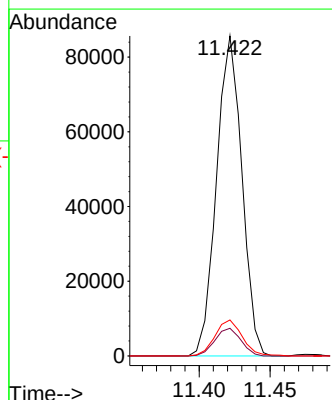
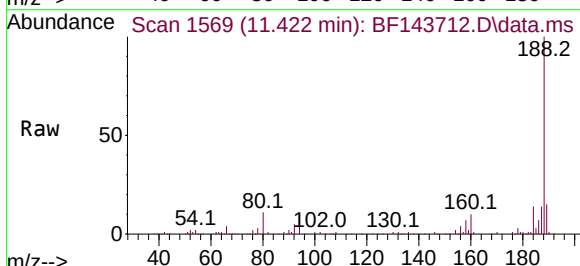
Tgt Ion: 188 Resp: 106474

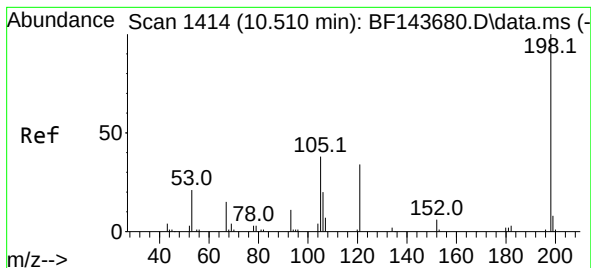
Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.0

80 11.2 7.7 11.5

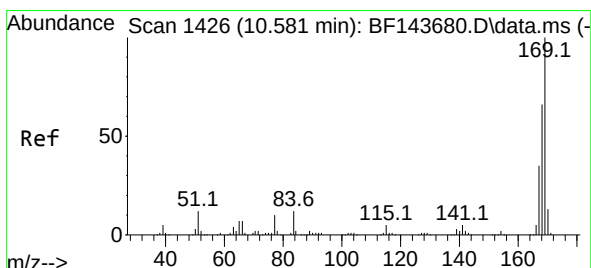
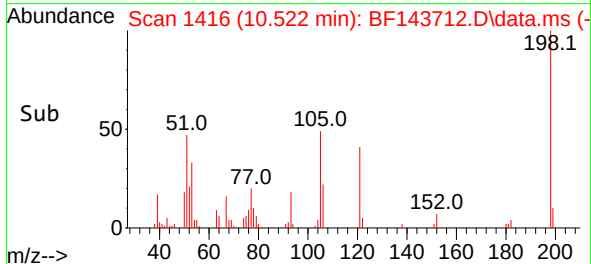
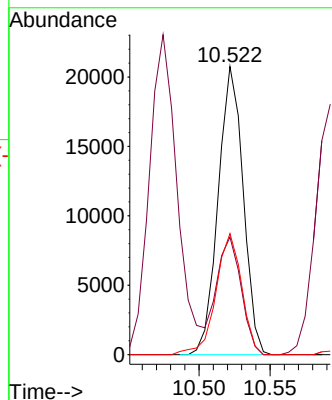
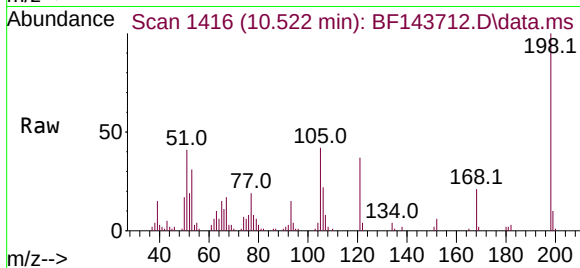




#65
4,6-Dinitro-2-methylphenol
Concen: 46.953 ng
RT: 10.522 min Scan# 1414
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

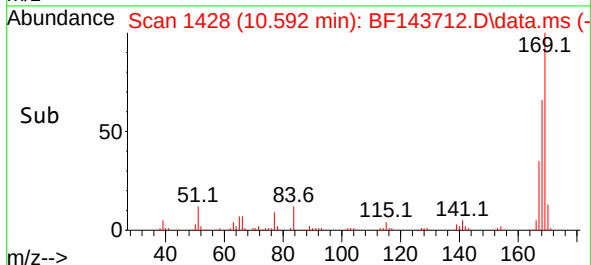
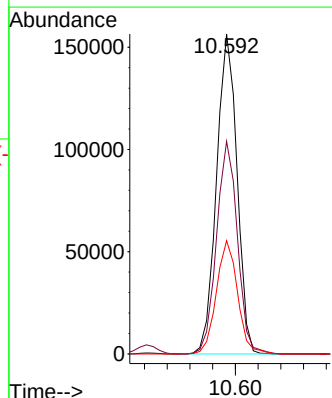
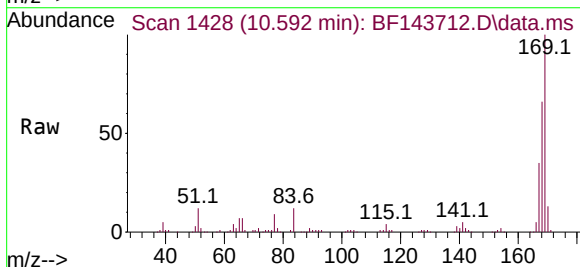
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

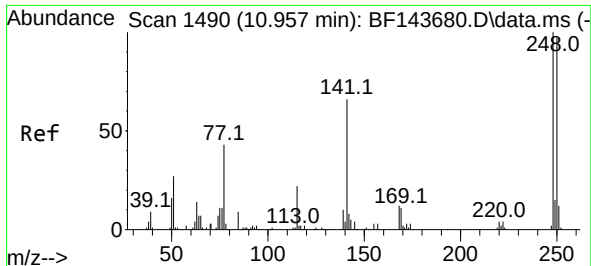
Tgt Ion:198 Resp: 25453
Ion Ratio Lower Upper
198 100
51 40.8 21.2 61.2
105 42.0 19.0 59.0



#66
n-Nitrosodiphenylamine
Concen: 56.054 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:169 Resp: 195522
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 35.4 28.1 42.1

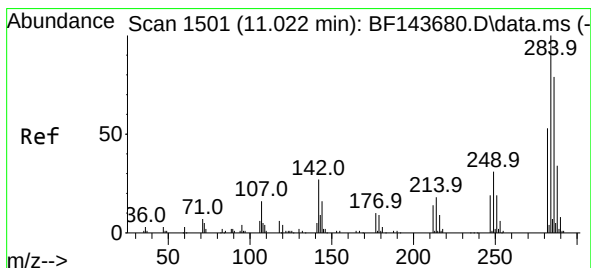
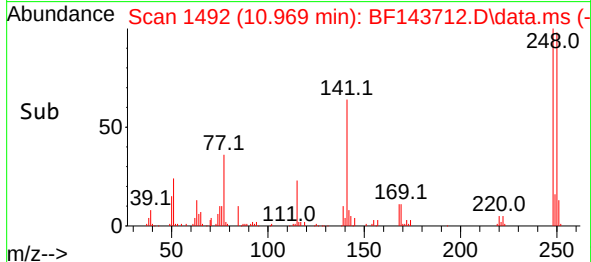
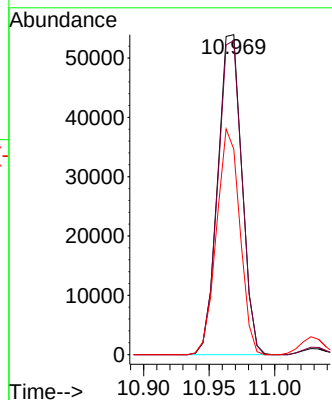
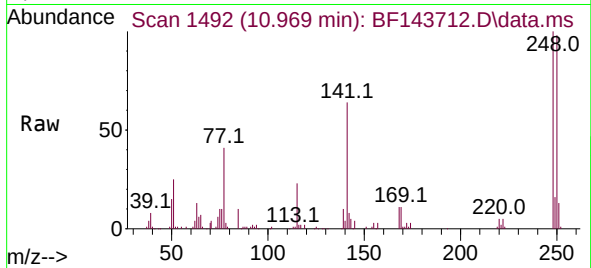




#67
4-Bromophenyl-phenylether
Concen: 53.881 ng
RT: 10.969 min Scan# 1492
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

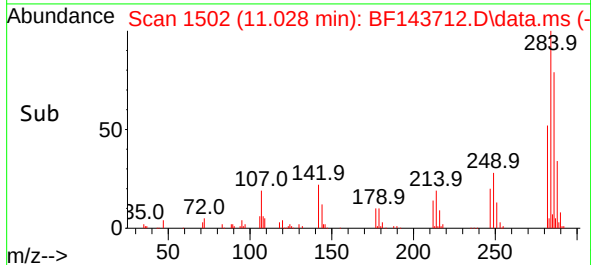
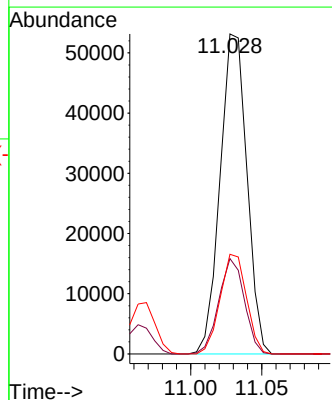
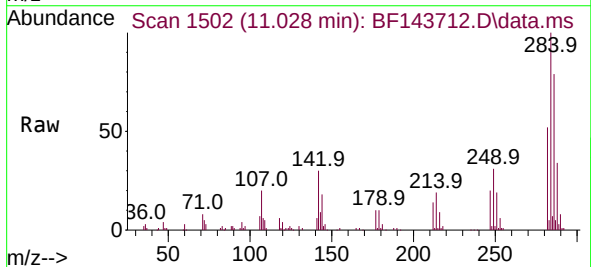
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

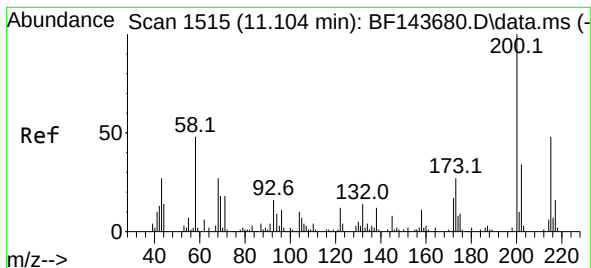
Tgt Ion:248 Resp: 69182
Ion Ratio Lower Upper
248 100
250 98.1 77.5 116.3
141 64.2 52.6 79.0



#68
Hexachlorobenzene
Concen: 51.616 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.006 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:284 Resp: 69978
Ion Ratio Lower Upper
284 100
142 29.8 21.3 31.9
249 31.2 25.0 37.4





#69

Atrazine

Concen: 56.969 ng

RT: 11.116 min Scan# 1517

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

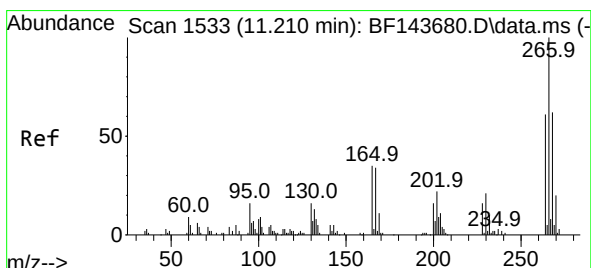
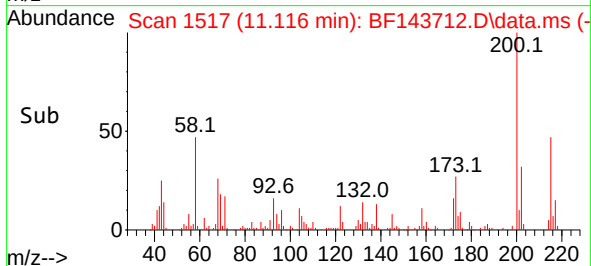
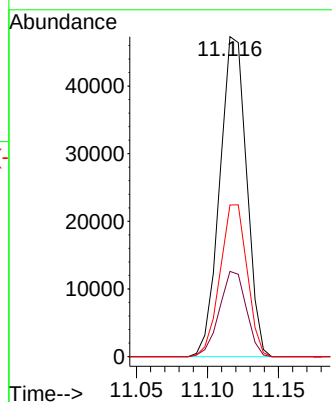
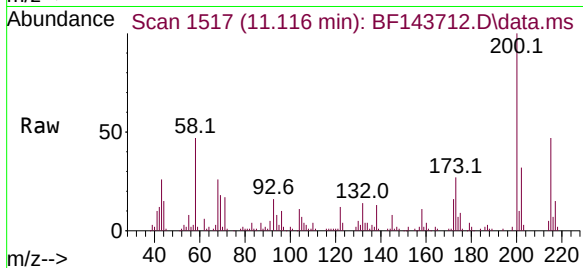
Tgt Ion:200 Resp: 62305

Ion Ratio Lower Upper

200 100

173 26.6 7.3 47.3

215 47.4 28.5 68.5



#70

Pentachlorophenol

Concen: 107.992 ng

RT: 11.222 min Scan# 1535

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

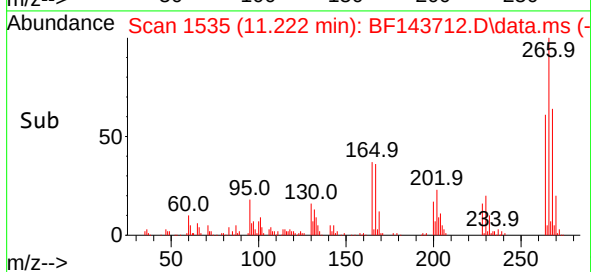
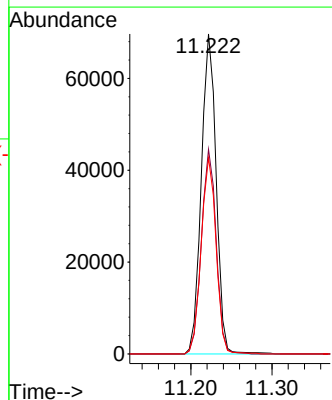
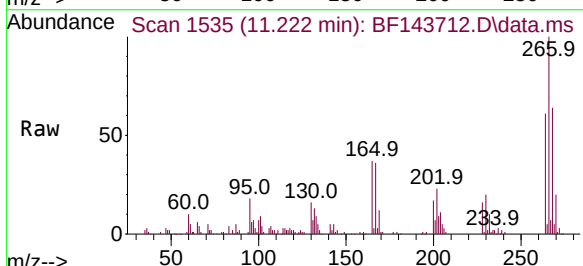
Tgt Ion:266 Resp: 88506

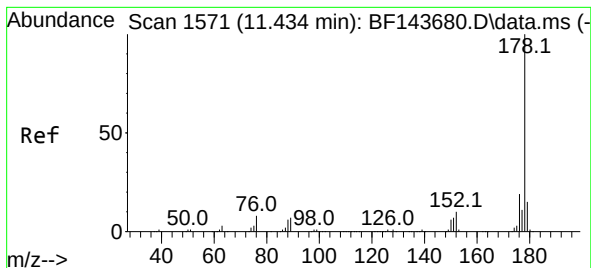
Ion Ratio Lower Upper

266 100

268 63.9 49.2 73.8

264 61.3 48.6 73.0





#71

Phenanthrene

Concen: 51.054 ng

RT: 11.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

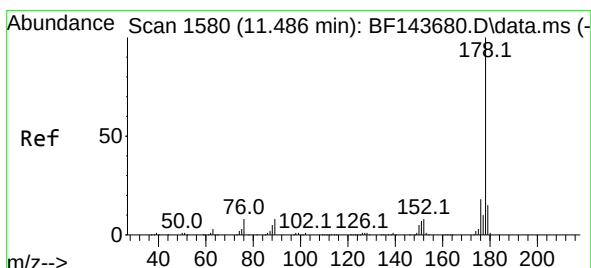
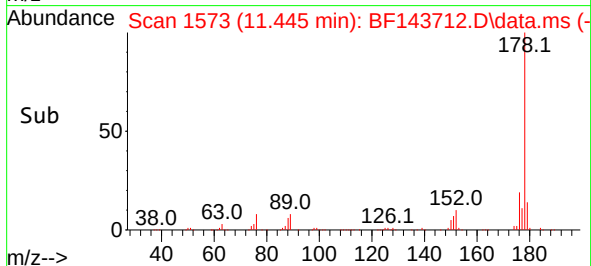
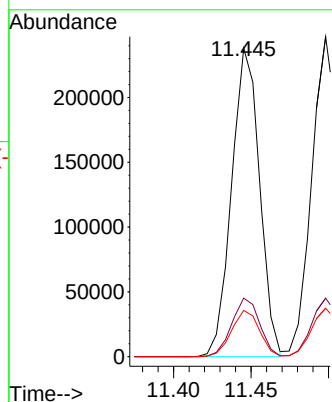
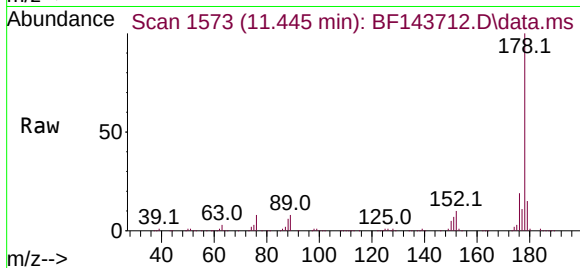
Tgt Ion:178 Resp: 299508

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.0 12.2 18.2



#72

Anthracene

Concen: 51.638 ng

RT: 11.498 min Scan# 1582

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

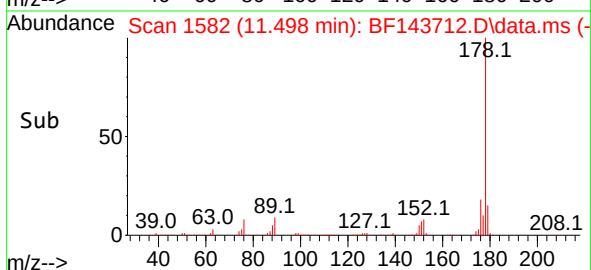
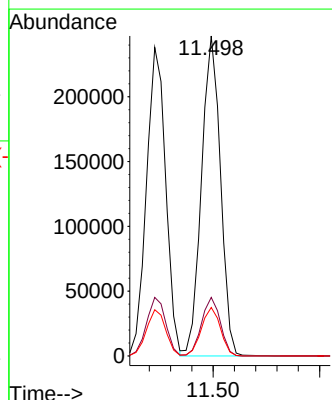
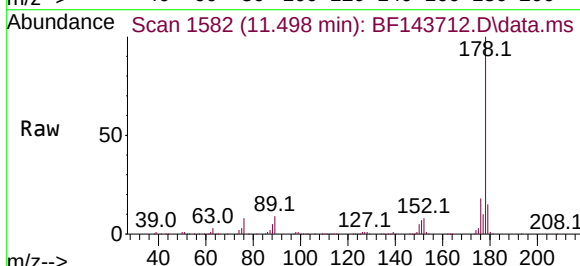
Tgt Ion:178 Resp: 304605

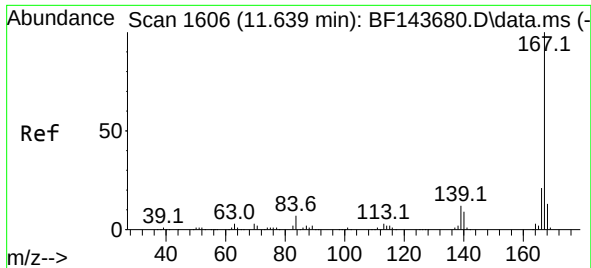
Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

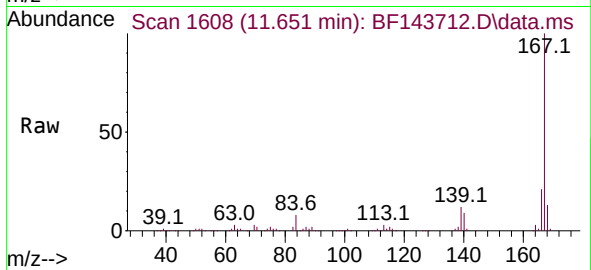
179 15.1 12.2 18.2



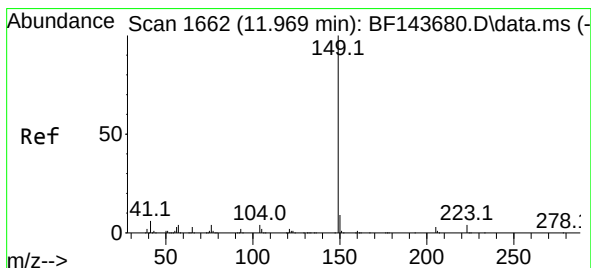
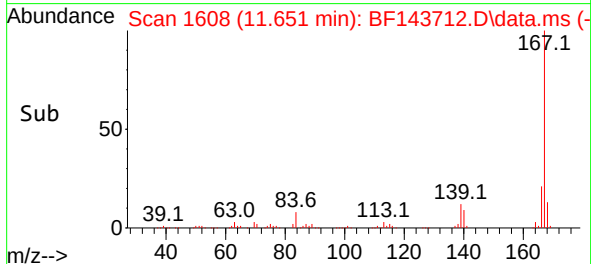
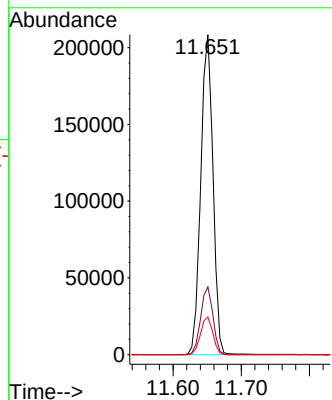


#73
Carbazole
Concen: 53.789 ng
RT: 11.651 min Scan# 1608
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

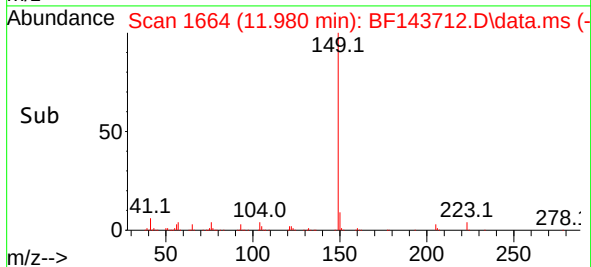
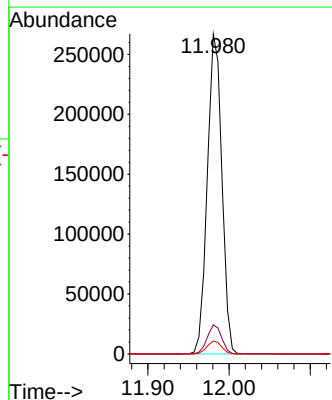
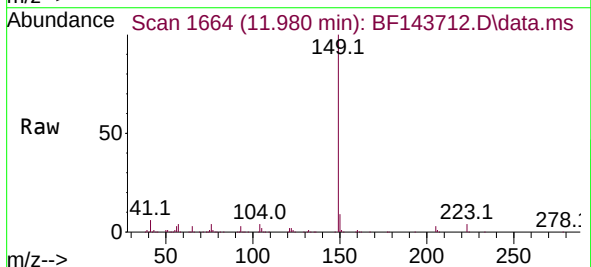


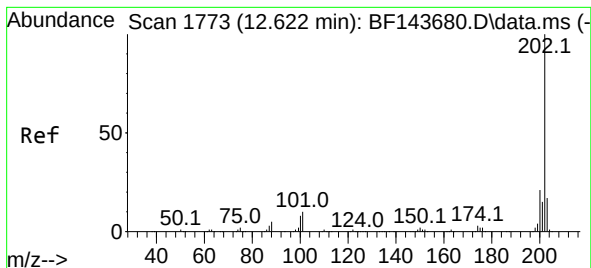
Tgt Ion:167 Resp: 259856
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 11.8 9.7 14.5



#74
Di-n-butylphthalate
Concen: 57.203 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.012 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:149 Resp: 332700
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.0 3.3 4.9





#75

Fluoranthene

Concen: 56.328 ng

RT: 12.633 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

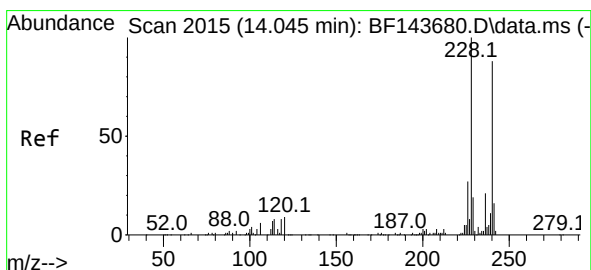
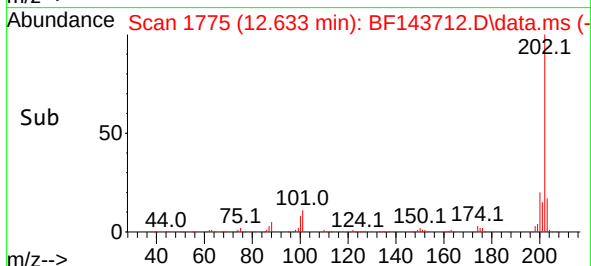
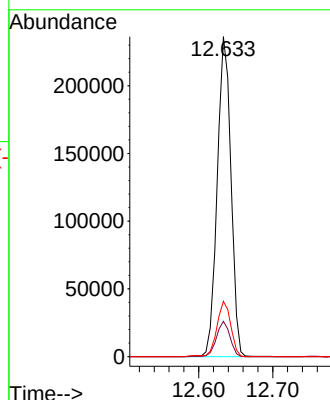
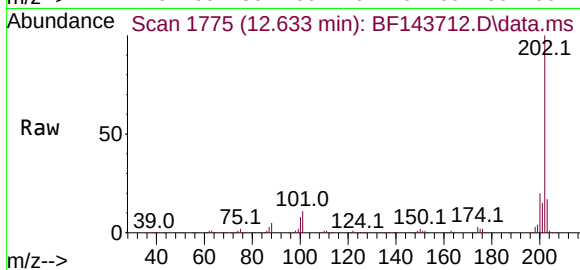
Tgt Ion:202 Resp: 303356

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.5

203 17.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

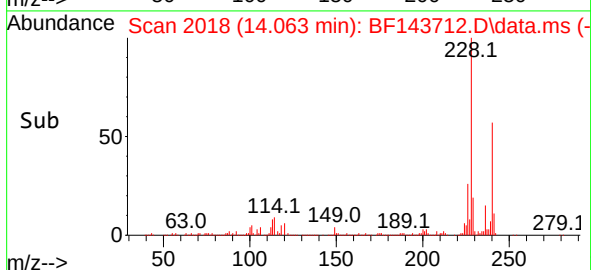
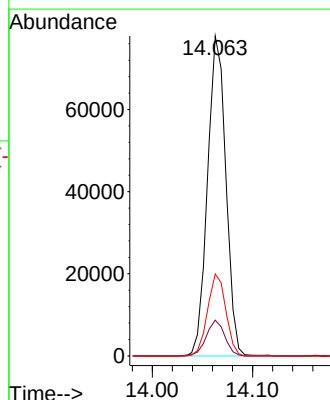
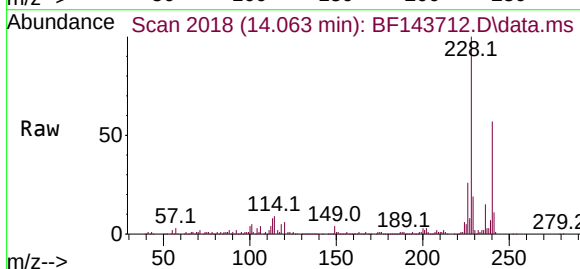
Tgt Ion:240 Resp: 98778

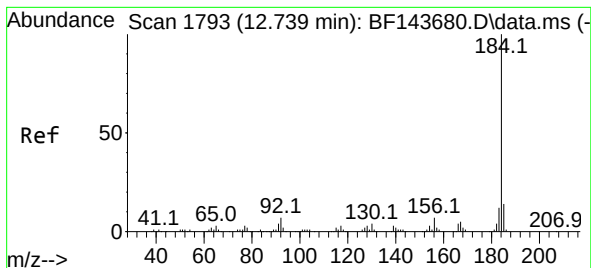
Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

236 25.6 18.6 28.0





#77

Benzidine

Concen: 21.708 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

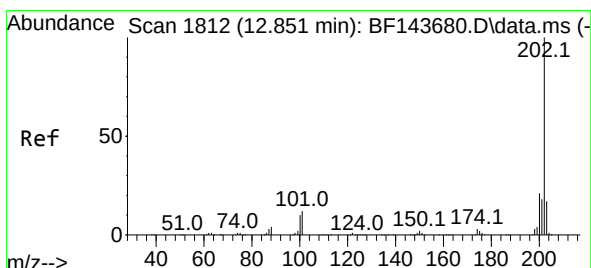
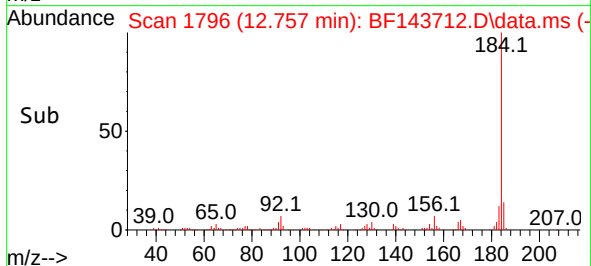
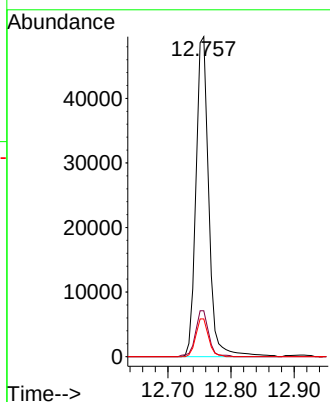
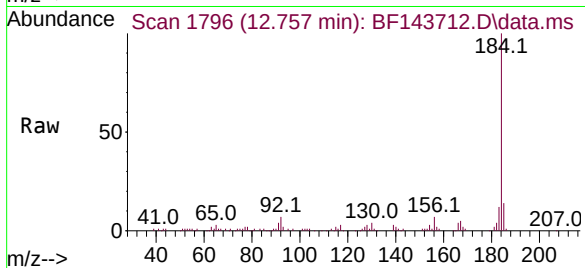
Tgt Ion:184 Resp: 69926

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.8 9.4 14.2



#78

Pyrene

Concen: 39.468 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

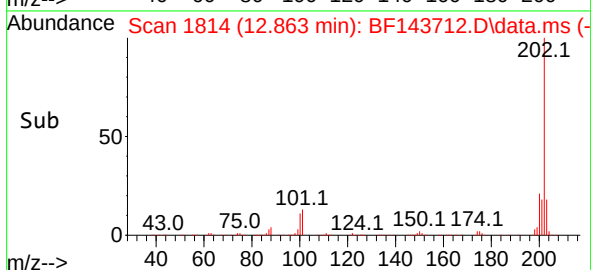
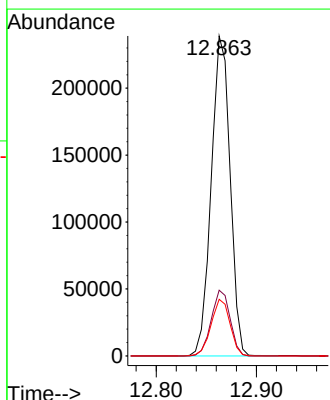
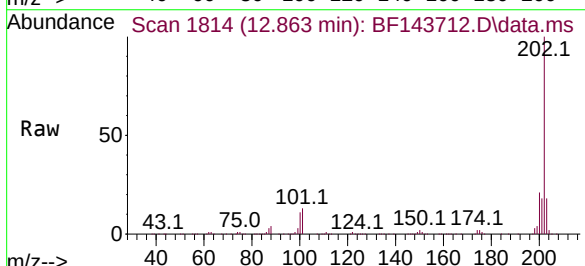
Tgt Ion:202 Resp: 311710

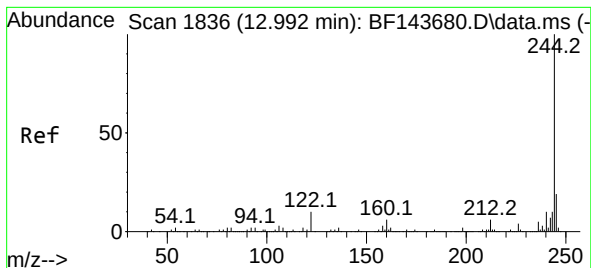
Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 77.677 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

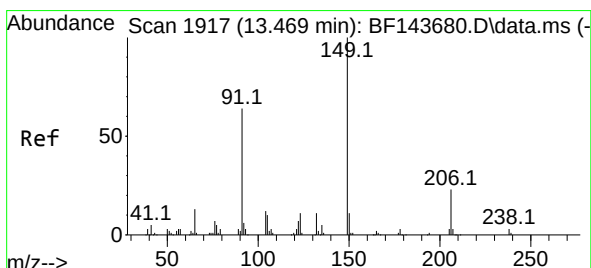
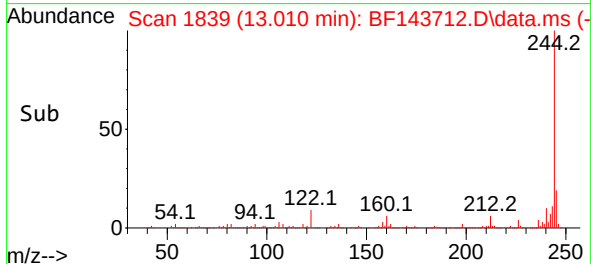
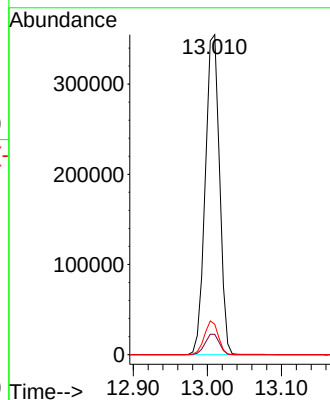
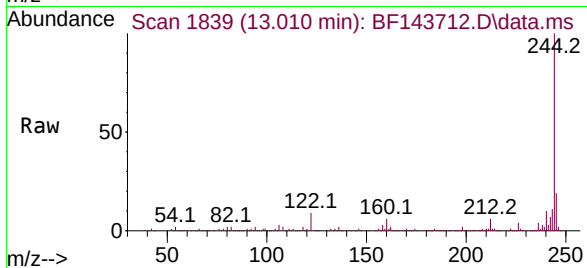
Tgt Ion:244 Resp: 473474

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.6

122 9.5 7.9 11.9



#80

Butylbenzylphthalate

Concen: 52.469 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.012 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

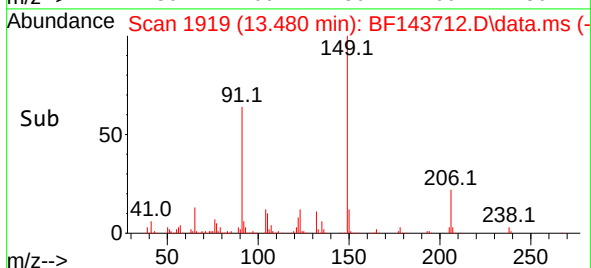
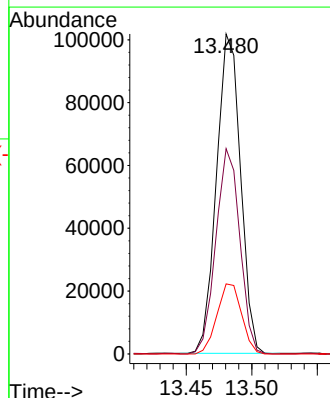
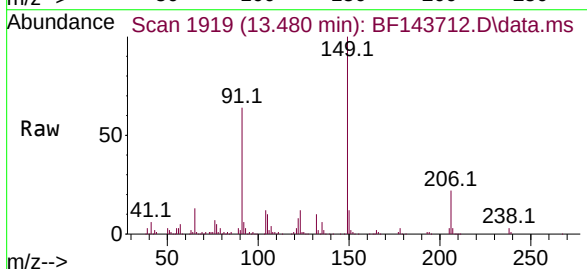
Tgt Ion:149 Resp: 129836

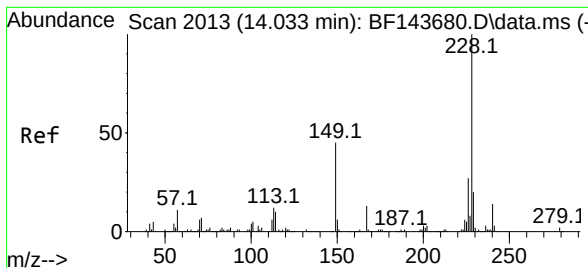
Ion Ratio Lower Upper

149 100

91 64.1 50.9 76.3

206 21.9 18.2 27.2

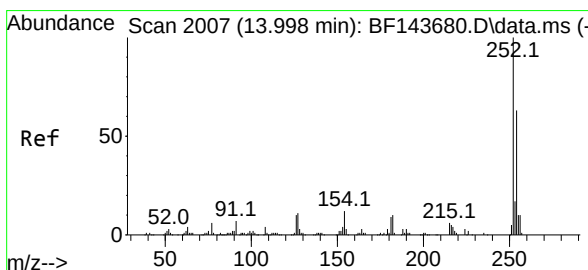
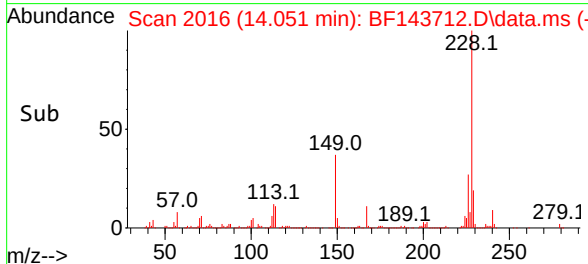
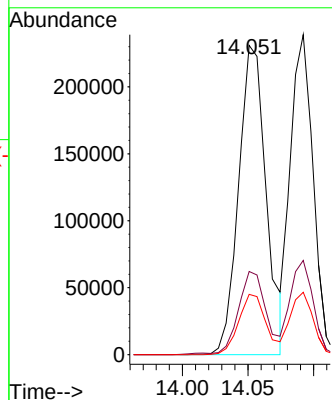
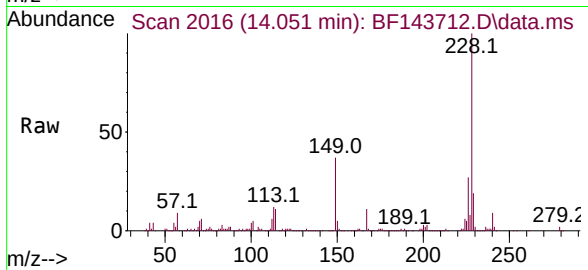




#81
Benzo(a)anthracene
Concen: 53.125 ng
RT: 14.051 min Scan# 2010
Delta R.T. 0.018 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

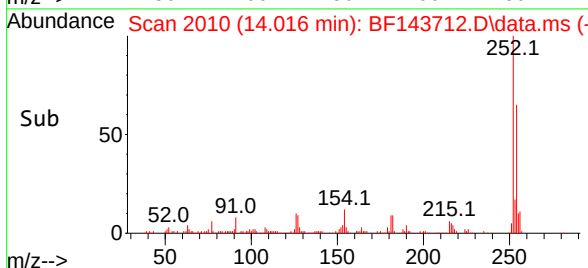
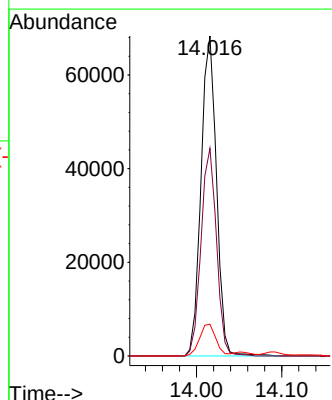
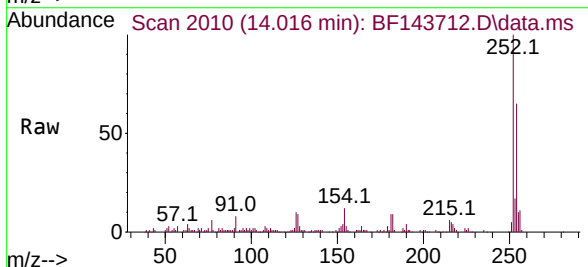
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

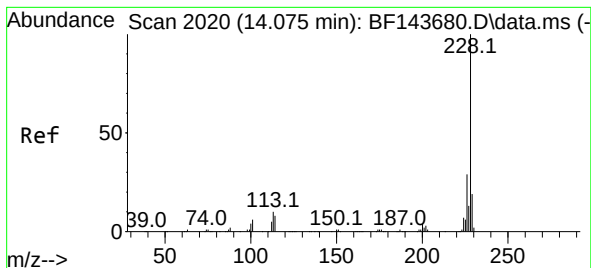
Tgt Ion:228 Resp: 337596
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 19.5 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 44.040 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.018 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:252 Resp: 86099
Ion Ratio Lower Upper
252 100
254 64.8 50.5 75.7
126 9.9 8.2 12.4





#83

Chrysene

Concen: 49.299 ng

RT: 14.092 min Scan# 2015

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

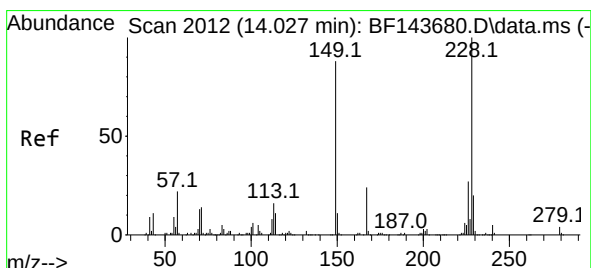
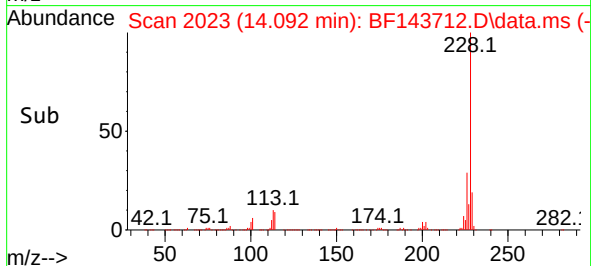
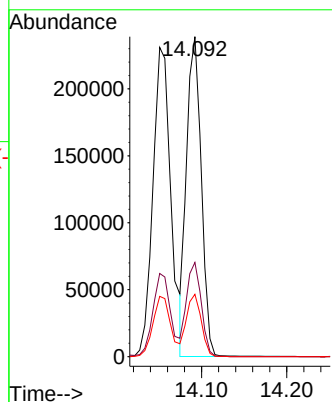
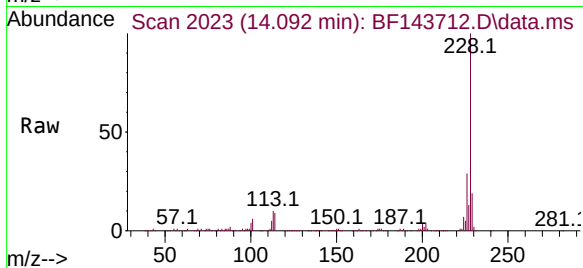
Tgt Ion:228 Resp: 286928

Ion Ratio Lower Upper

228 100

226 29.4 22.7 34.1

229 19.5 15.1 22.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.239 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

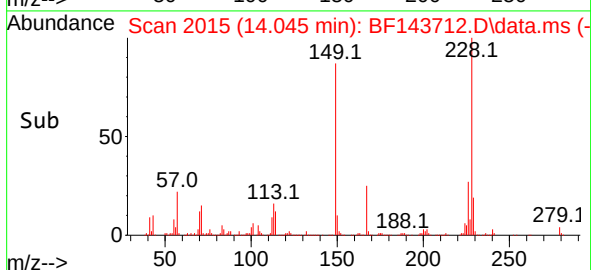
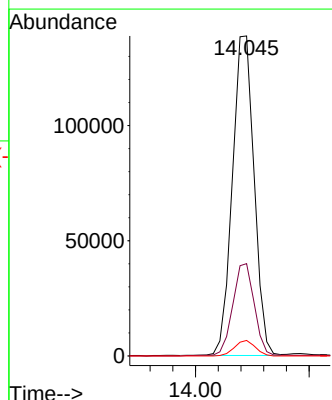
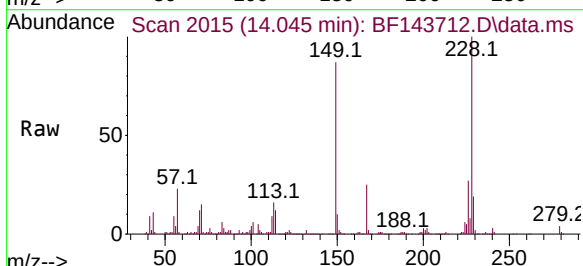
Tgt Ion:149 Resp: 184436

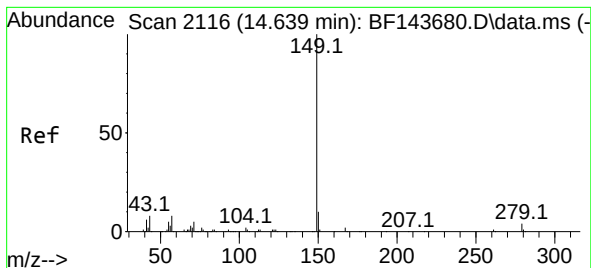
Ion Ratio Lower Upper

149 100

167 28.8 22.2 33.2

279 4.8 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 51.583 ng

RT: 14.657 min Scan# 2116

Delta R.T. 0.018 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1MS

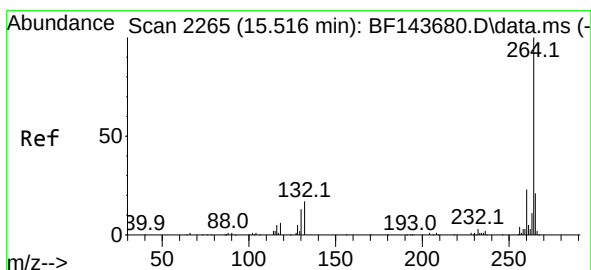
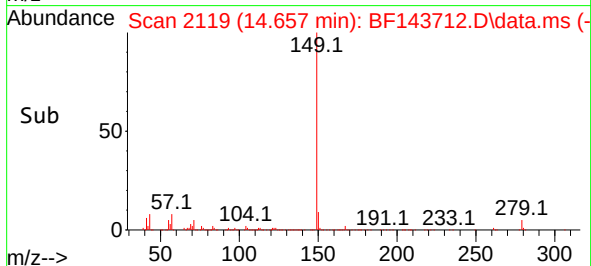
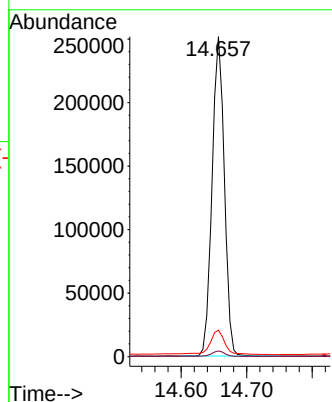
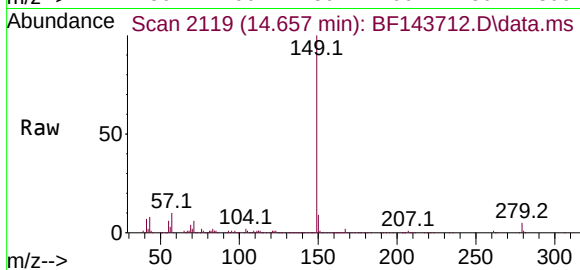
Tgt Ion:149 Resp: 326362

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 9.2 6.2 9.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. 0.023 min

Lab File: BF143712.D

Acq: 11 Sep 2025 17:59

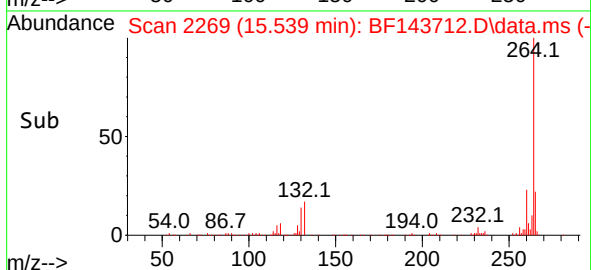
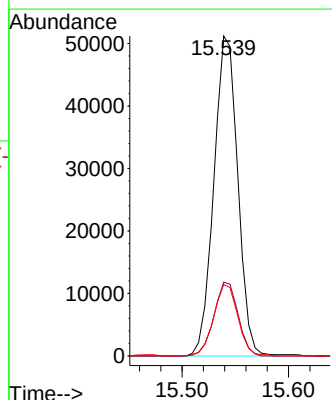
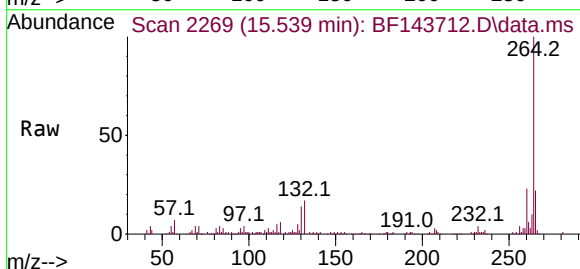
Tgt Ion:264 Resp: 80025

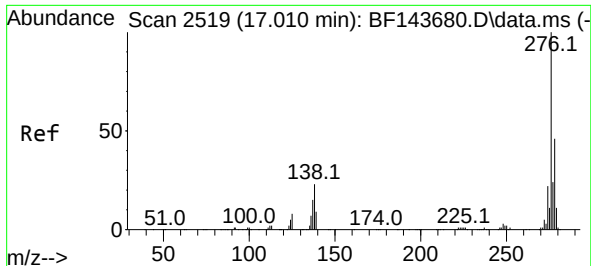
Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 22.3 17.1 25.7

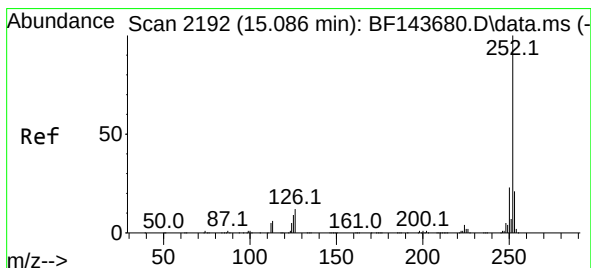
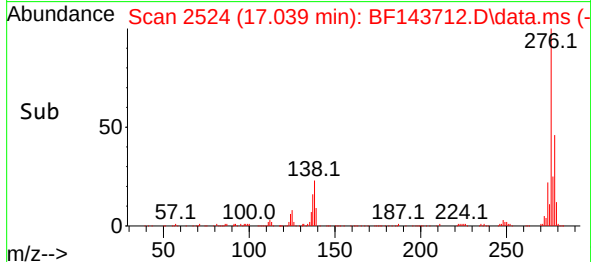
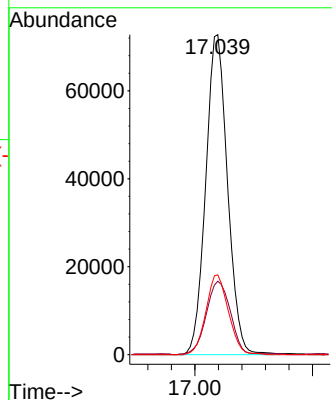
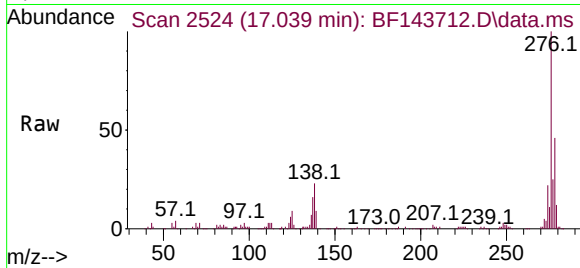




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 34.359 ng
 RT: 17.039 min Scan# 2196
 Delta R.T. 0.029 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

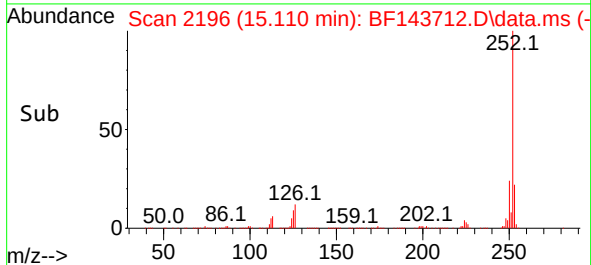
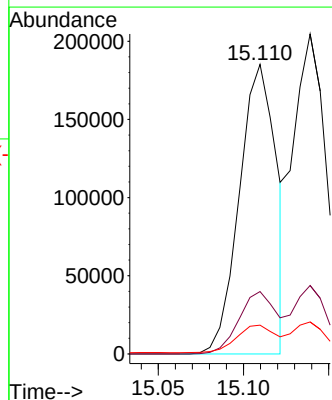
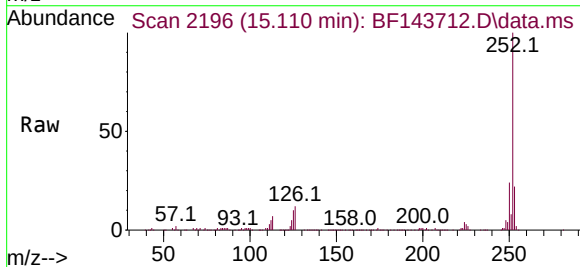
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1MS

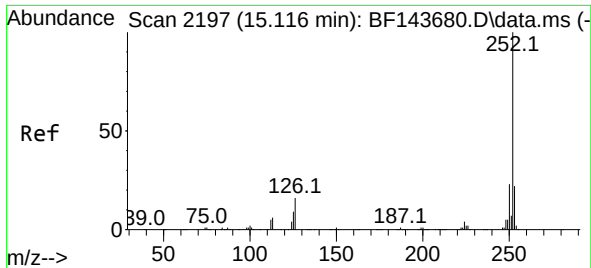
Tgt Ion:276 Resp: 187654
 Ion Ratio Lower Upper
 276 100
 138 25.6 19.7 29.5
 277 25.7 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 58.574 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.023 min
 Lab File: BF143712.D
 Acq: 11 Sep 2025 17:59

Tgt Ion:252 Resp: 279033
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.0 25.4
 125 9.9 7.4 11.0

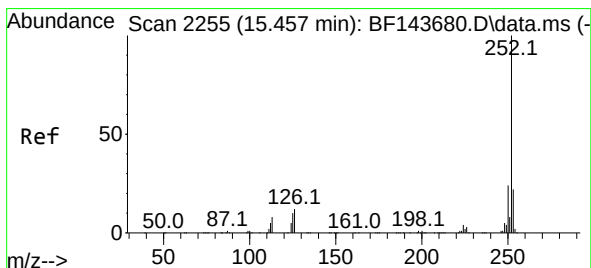
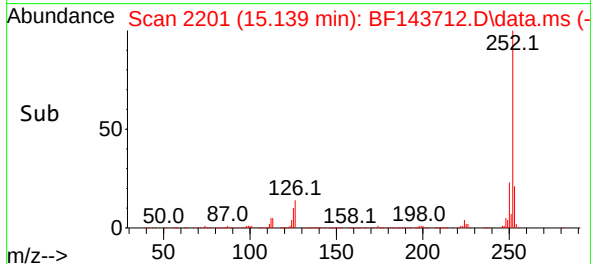
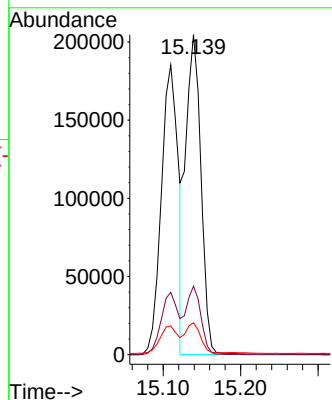
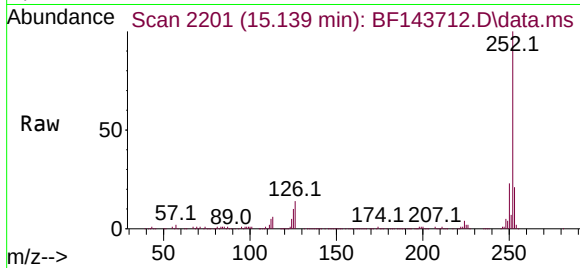




#89
Benzo(k)fluoranthene
Concen: 64.634 ng
RT: 15.139 min Scan# 2197
Delta R.T. 0.023 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

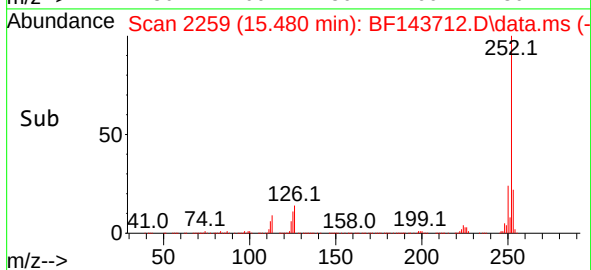
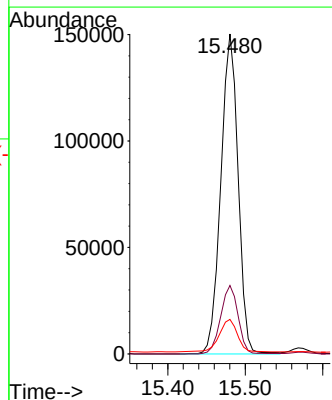
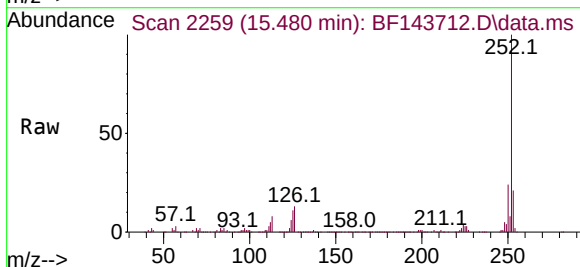
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

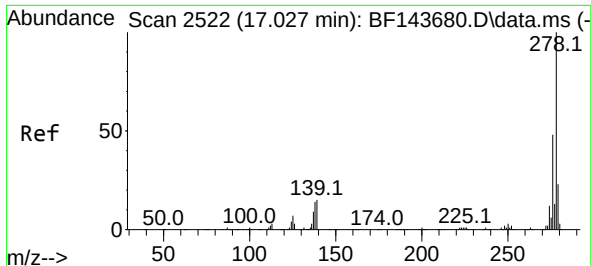
Tgt Ion:252 Resp: 277882
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 10.0 7.3 10.9



#90
Benzo(a)pyrene
Concen: 55.814 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.023 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:252 Resp: 233587
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 10.8 8.2 12.4

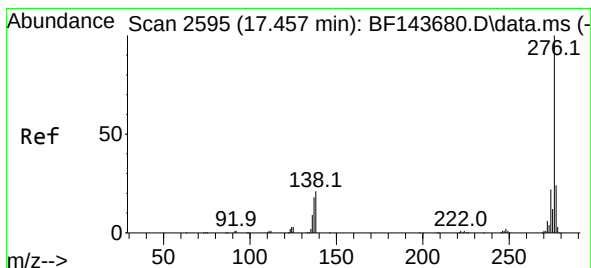
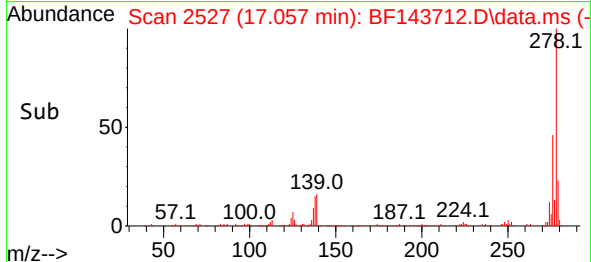
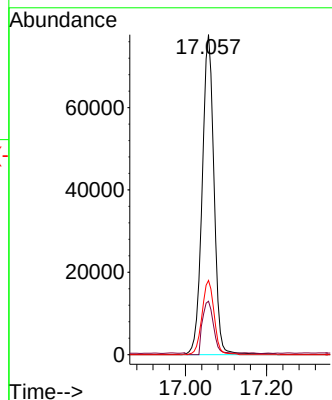
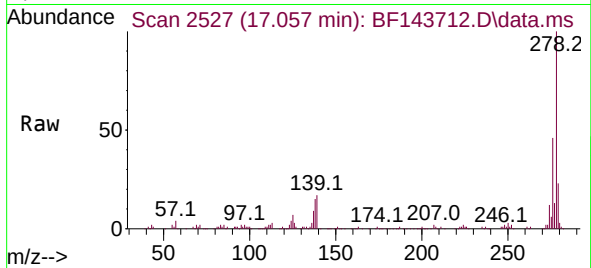




#91
Dibenzo(a,h)anthracene
Concen: 34.564 ng
RT: 17.057 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1MS

Tgt Ion:278 Resp: 156620
Ion Ratio Lower Upper
278 100
139 16.7 12.2 18.4
279 23.2 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 34.235 ng
RT: 17.492 min Scan# 2601
Delta R.T. 0.035 min
Lab File: BF143712.D
Acq: 11 Sep 2025 17:59

Tgt Ion:276 Resp: 145103
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 21.0 17.0 25.4

