

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141720.D
 Acq On : 21 Feb 2025 15:17
 Operator : RC/JU
 Sample : Q1393-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Quant Time: Feb 21 15:37:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89552	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	357328	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	192611	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	312084	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	177670	20.000	ng	-0.02
86) Perylene-d12	15.374	264	192345	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	728188	127.480	ng	0.00
7) Phenol-d6	6.428	99	846955	117.312	ng	-0.01
23) Nitrobenzene-d5	7.345	82	630904	92.091	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	266884	137.934	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1187232	94.963	ng	-0.01
79) Terphenyl-d14	12.880	244	1107917	105.271	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	88029	38.290	ng	# 78
3) Pyridine	3.375	79	144509	26.415	ng	93
4) n-Nitrosodimethylamine	3.287	42	128281	35.413	ng	87
6) Aniline	6.451	93	68149	10.063	ng	# 14
8) 2-Chlorophenol	6.575	128	260052	42.133	ng	98
9) Benzaldehyde	6.334	77	53229	13.874	ng	95
10) Phenol	6.440	94	269938	35.923	ng	82
11) bis(2-Chloroethyl)ether	6.522	93	237992	42.167	ng	99
12) 1,3-Dichlorobenzene	6.722	146	251386	38.579	ng	97
13) 1,4-Dichlorobenzene	6.798	146	257889	38.736	ng	98
14) 1,2-Dichlorobenzene	6.951	146	247399	40.038	ng	99
15) Benzyl Alcohol	6.934	79	217009	39.197	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	370168	38.313	ng	65
17) 2-Methylphenol	7.051	107	206712	42.796	ng	# 92
18) Hexachloroethane	7.287	117	94615	38.400	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	185620	42.982	ng	93
20) 3+4-Methylphenols	7.204	107	269943	43.976	ng	# 79
22) Acetophenone	7.193	105	411294	46.271	ng	# 91
24) Nitrobenzene	7.369	77	273419	40.928	ng	97
25) Isophorone	7.604	82	504533	46.188	ng	98
26) 2-Nitrophenol	7.681	139	143168	43.076	ng	94
27) 2,4-Dimethylphenol	7.722	122	216927	55.870	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	305703	43.675	ng	99
29) 2,4-Dichlorophenol	7.934	162	228890	43.630	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	234284	41.010	ng	99
31) Naphthalene	8.081	128	766508	41.210	ng	100
32) Benzoic acid	7.869	122	183343m	45.460	ng	
33) 4-Chloroaniline	8.151	127	31505	4.851	ng	98
34) Hexachlorobutadiene	8.198	225	140565	40.985	ng	99
35) Caprolactam	8.510	113	65275m	40.866	ng	
36) 4-Chloro-3-methylphenol	8.634	107	246080	42.346	ng	100
37) 2-Methylnaphthalene	8.775	142	495683	40.953	ng	99
38) 1-Methylnaphthalene	8.875	142	483402	41.236	ng	97
40) 1,2,4,5-Tetrachloroben...	8.940	216	272851	48.964	ng	99
41) Hexachlorocyclopentadiene	8.922	237	257994	139.197	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	161444	44.826	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	173801	44.527	ng	97
46) 1,1'-Biphenyl	9.239	154	729987	48.885	ng	100
47) 2-Chloronaphthalene	9.263	162	495944	44.913	ng	99
48) 2-Nitroaniline	9.363	65	157838	42.592	ng	97
49) Acenaphthylene	9.675	152	761017	46.335	ng	99
50) Dimethylphthalate	9.539	163	610073	46.656	ng	99
51) 2,6-Dinitrotoluene	9.604	165	130096	45.512	ng	99
52) Acenaphthene	9.845	154	476898	43.190	ng	100
53) 3-Nitroaniline	9.775	138	31289	10.170	ng	100
54) 2,4-Dinitrophenol	9.892	184	160686	94.584	ng	92
55) Dibenzofuran	10.022	168	689771	42.559	ng	98
56) 4-Nitrophenol	9.957	139	161840	70.863	ng	96
57) 2,4-Dinitrotoluene	10.010	165	171140	44.974	ng	100
58) Fluorene	10.363	166	550395	43.921	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	152625	45.418	ng	95
60) Diethylphthalate	10.239	149	568369	44.179	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	274752	45.574	ng	96
62) 4-Nitroaniline	10.392	138	108493	34.729	ng	97
63) Azobenzene	10.516	77	530163	41.453	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	99342	45.824	ng	94
66) n-Nitrosodiphenylamine	10.475	169	473248	47.372	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	166687	47.789	ng	99
68) Hexachlorobenzene	10.910	284	175574	48.884	ng	99
69) Atrazine	11.004	200	158231	52.796	ng	98
70) Pentachlorophenol	11.110	266	194872	84.854	ng	98
71) Phenanthrene	11.322	178	783275	45.595	ng	100
72) Anthracene	11.375	178	804126	46.565	ng	100
73) Carbazole	11.533	167	655362	42.177	ng	100
74) Di-n-butylphthalate	11.857	149	807947	45.032	ng	100
75) Fluoranthene	12.510	202	716338	39.331	ng	100
77) Benzidine	12.651	184	24298	6.201	ng	# 93
78) Pyrene	12.739	202	699017	46.217	ng	100
80) Butylbenzylphthalate	13.357	149	255036	48.683	ng	97
81) Benzo(a)anthracene	13.927	228	554695	46.967	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	74752	22.096	ng	97
83) Chrysene	13.963	228	496095	45.492	ng	99
84) Bis(2-ethylhexyl)phtha...	13.910	149	331380	56.086	ng	99
85) Di-n-octyl phthalate	14.522	149	552534	65.553	ng	98
87) Indeno(1,2,3-cd)pyrene	16.810	276	553527	46.574	ng	99
88) Benzo(b)fluoranthene	14.963	252	550577	42.631	ng	100
89) Benzo(k)fluoranthene	14.986	252	502171	45.535	ng	99
90) Benzo(a)pyrene	15.316	252	509369	48.741	ng	99
91) Dibenzo(a,h)anthracene	16.821	278	456540	47.408	ng	99
92) Benzo(g,h,i)perylene	17.239	276	405204	40.209	ng	99

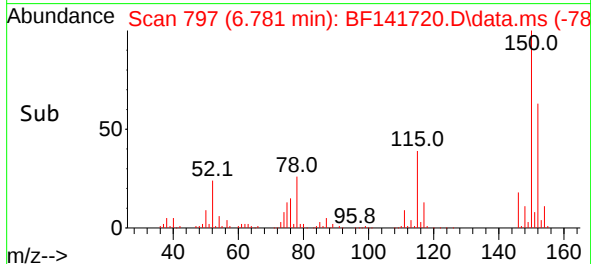
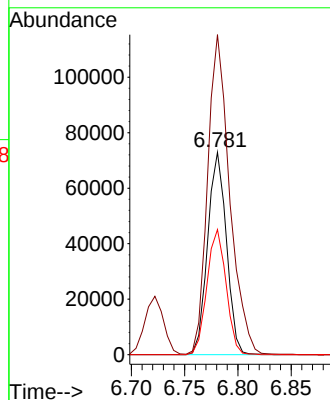
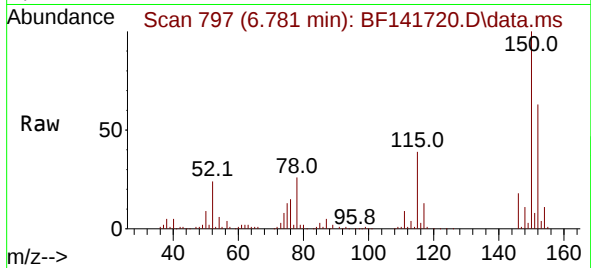
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

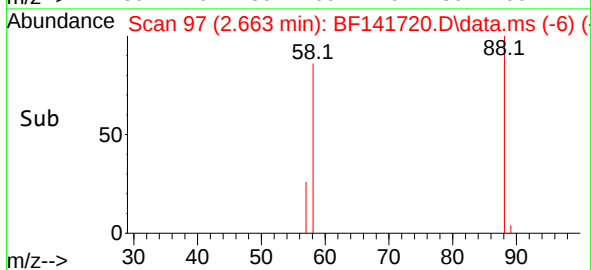
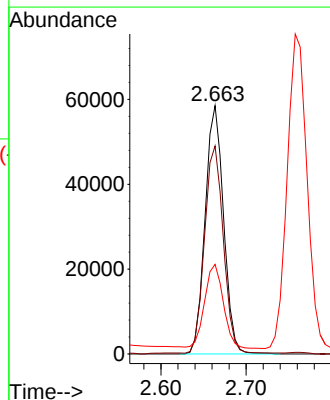
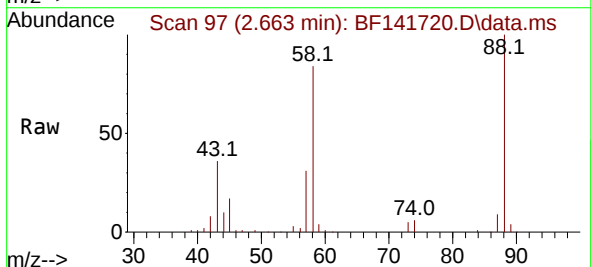
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

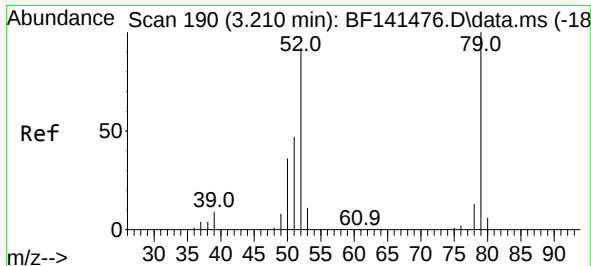
Tgt Ion:152 Resp: 89552
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.0 187.4
 115 61.8 53.6 80.4



#2
 1,4-Dioxane
 Concen: 38.290 ng
 RT: 2.663 min Scan# 97
 Delta R.T. 0.183 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

Tgt Ion: 88 Resp: 88029
 Ion Ratio Lower Upper
 88 100
 58 84.6 71.1 106.7
 43 0.0 30.6 46.0#





#3

Pyridine

Concen: 26.415 ng

RT: 3.375 min Scan# 21

Delta R.T. 0.159 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

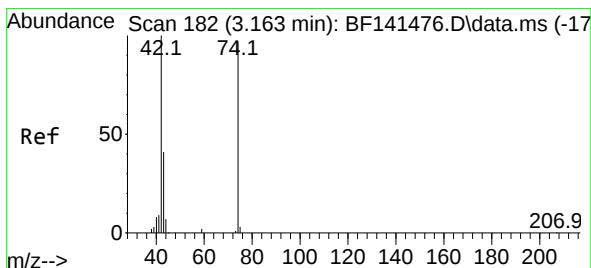
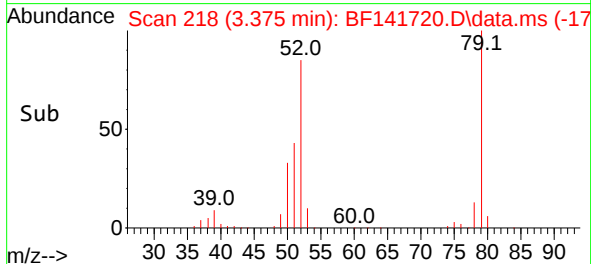
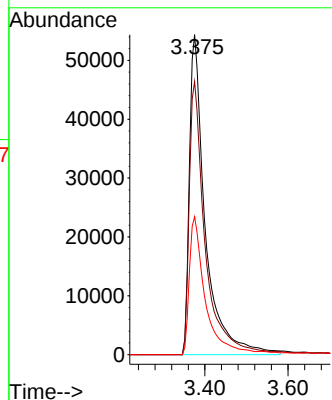
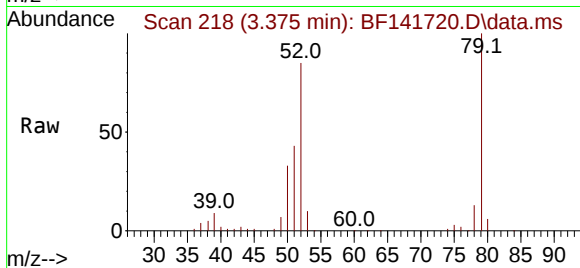
Tgt Ion: 79 Resp: 144509

Ion Ratio Lower Upper

79 100

52 85.4 73.7 110.5

51 43.1 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 35.413 ng

RT: 3.287 min Scan# 203

Delta R.T. 0.100 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

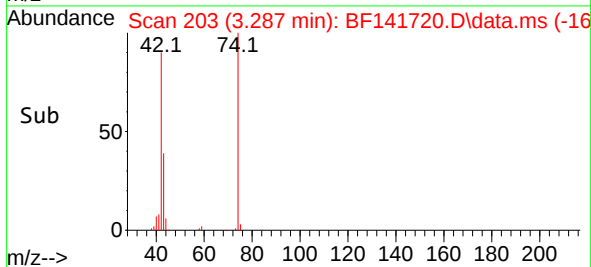
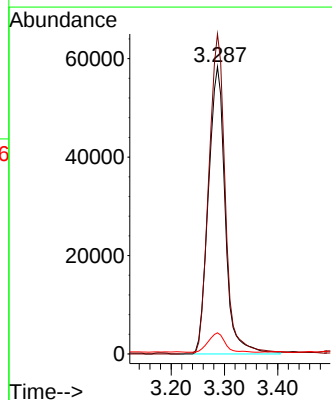
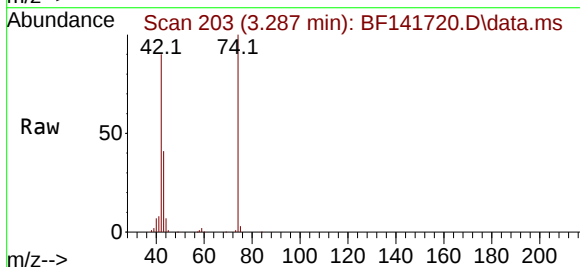
Tgt Ion: 42 Resp: 128281

Ion Ratio Lower Upper

42 100

74 111.4 78.0 117.0

44 7.3 5.4 8.2

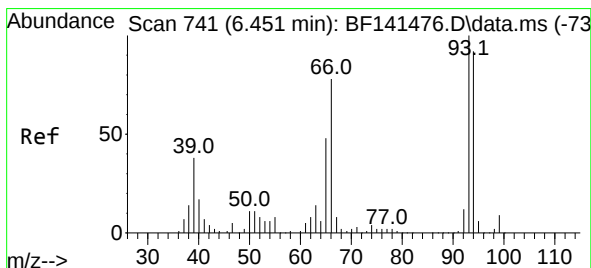
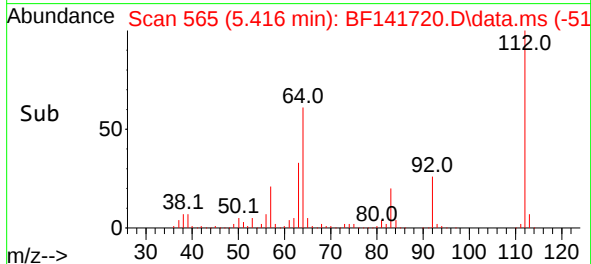
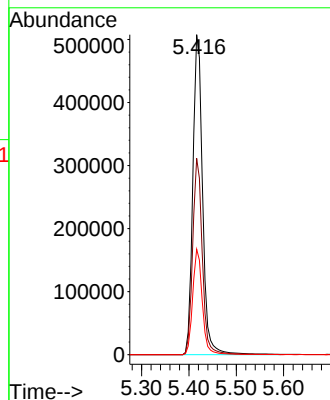
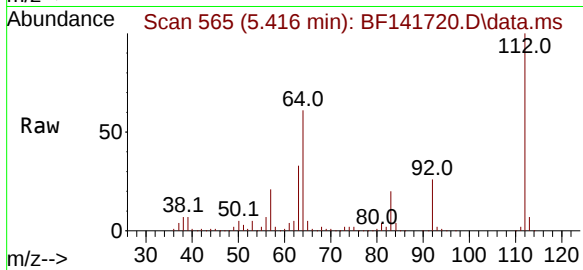




#5
2-Fluorophenol
Concen: 127.480 ng
RT: 5.416 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

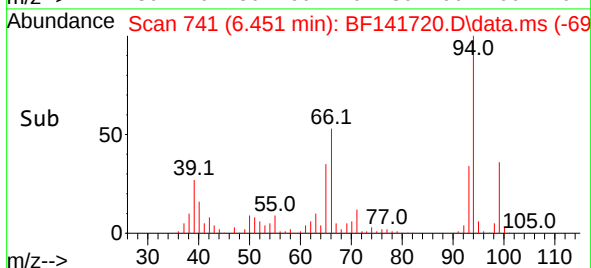
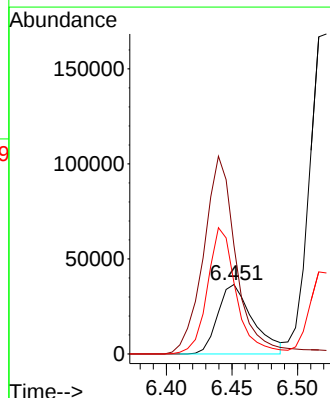
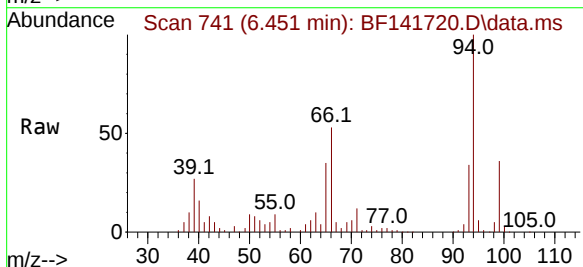
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:112 Resp: 728188
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 33.0 28.4 42.6



#6
Aniline
Concen: 10.063 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 93 Resp: 68149
Ion Ratio Lower Upper
93 100
66 156.4 62.6 94.0#
65 102.7 38.3 57.5#

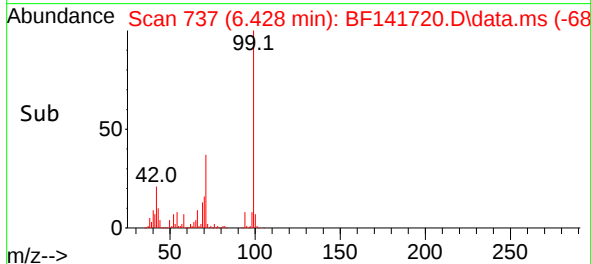
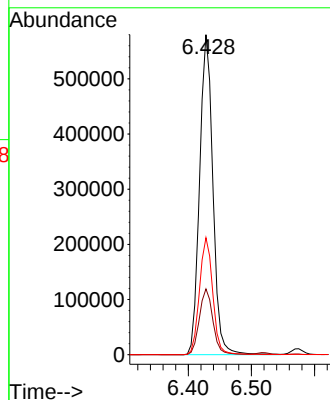
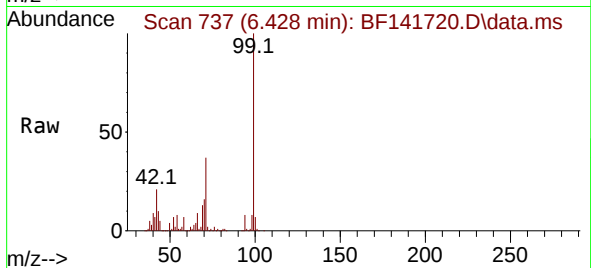




#7
Phenol-d6
Concen: 117.312 ng
RT: 6.428 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

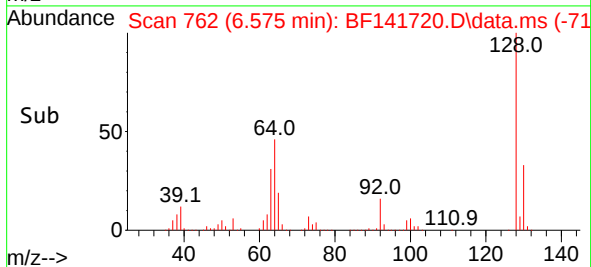
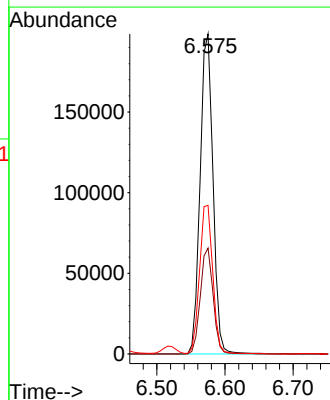
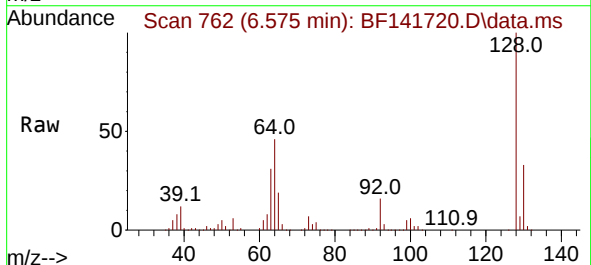
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 99 Resp: 846955
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 36.5 31.1 46.7



#8
2-Chlorophenol
Concen: 42.133 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:128 Resp: 260052
Ion Ratio Lower Upper
128 100
130 33.1 12.7 52.7
64 46.4 28.3 68.3

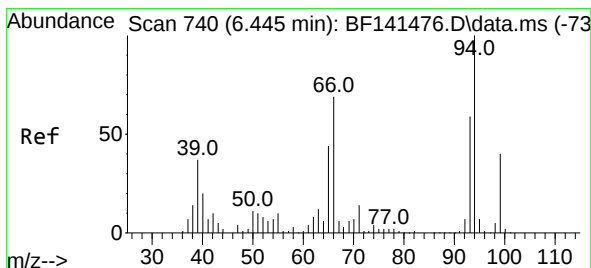
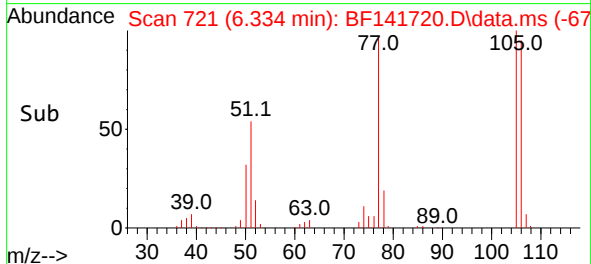
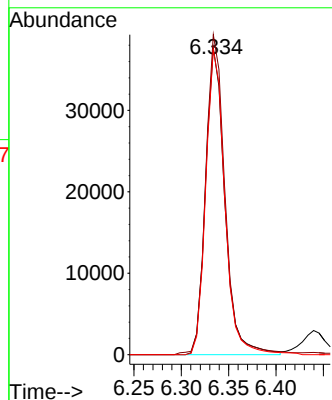
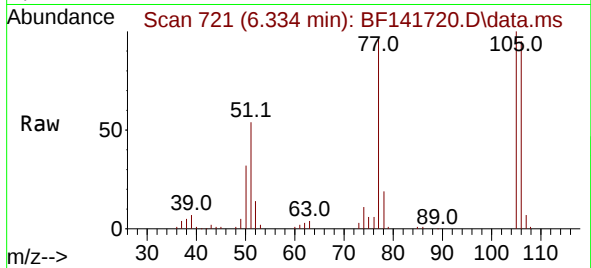




#9
Benzaldehyde
Concen: 13.874 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

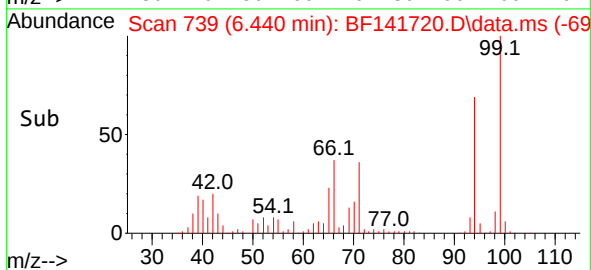
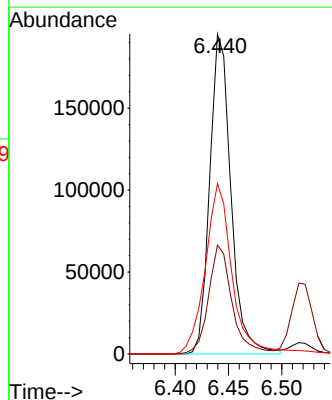
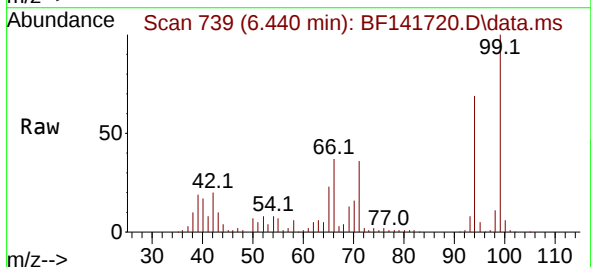
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 77 Resp: 53229
Ion Ratio Lower Upper
77 100
105 104.3 79.4 119.4
106 99.6 75.1 115.1



#10
Phenol
Concen: 35.923 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 94 Resp: 269938
Ion Ratio Lower Upper
94 100
65 34.0 23.7 63.7
66 53.3 49.3 89.3

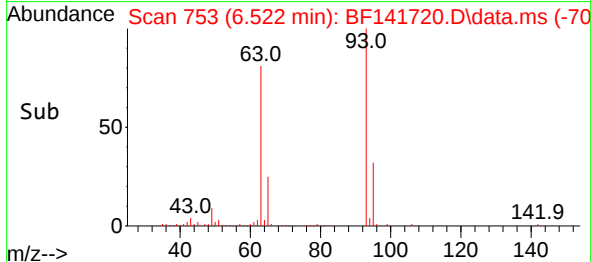
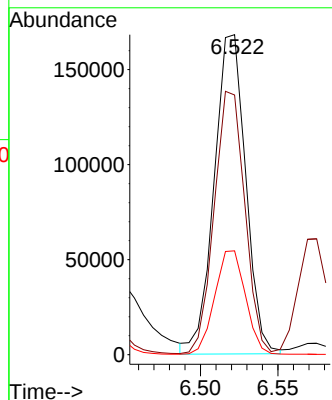
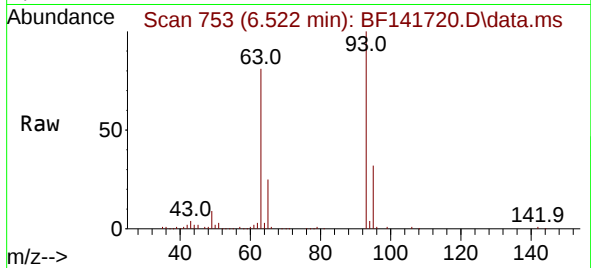




#11
bis(2-Chloroethyl)ether
Concen: 42.167 ng
RT: 6.522 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

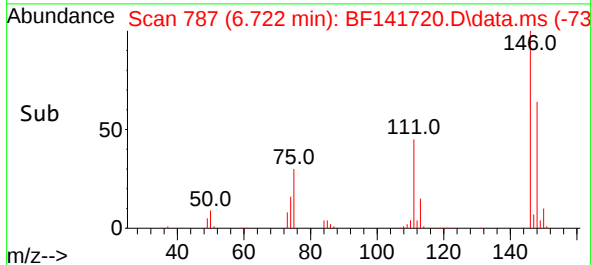
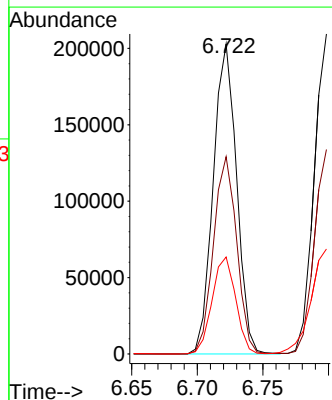
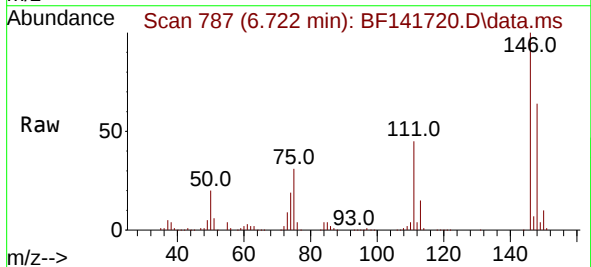
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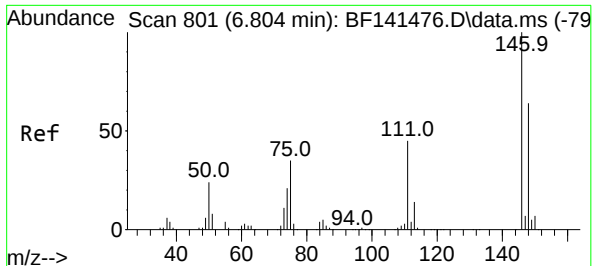
Tgt Ion: 93 Resp: 237992
Ion Ratio Lower Upper
93 100
63 81.1 62.0 102.0
95 32.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 38.579 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:146 Resp: 251386
Ion Ratio Lower Upper
146 100
148 63.7 51.9 77.9
75 31.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.736 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

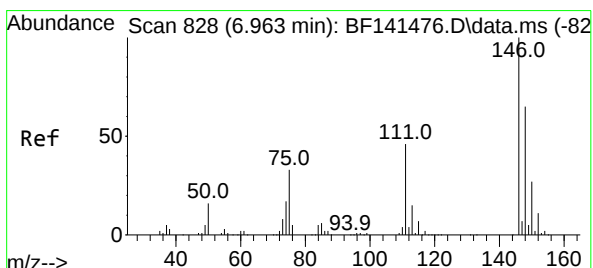
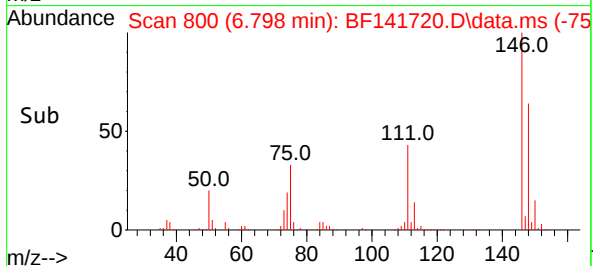
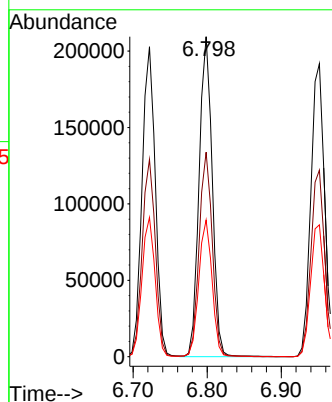
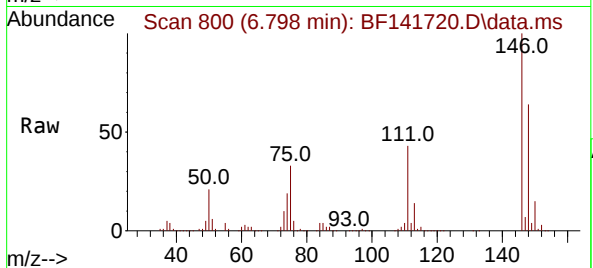
Tgt Ion:146 Resp: 257889

Ion Ratio Lower Upper

146 100

148 63.9 50.9 76.3

111 42.7 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.038 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.012 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

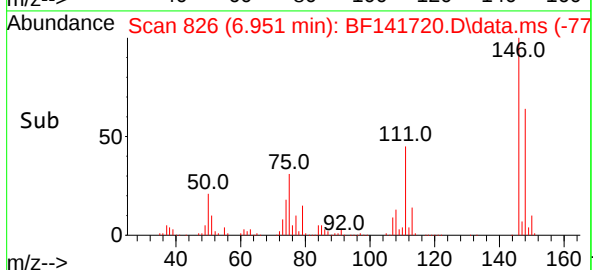
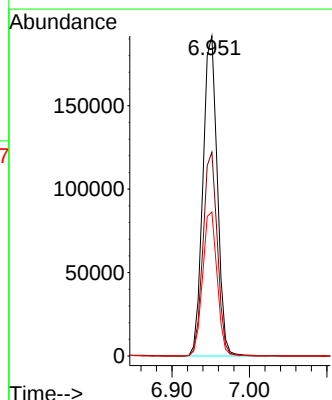
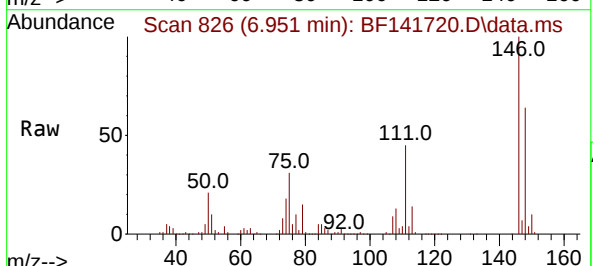
Tgt Ion:146 Resp: 247399

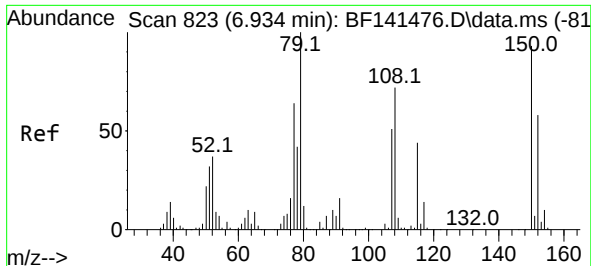
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

111 45.0 37.0 55.4

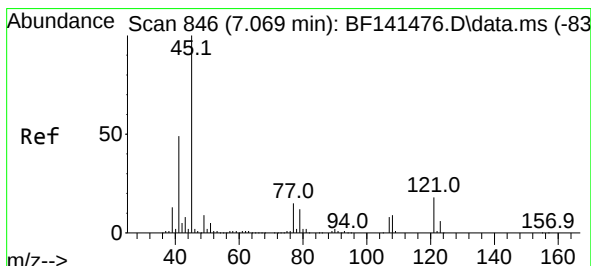
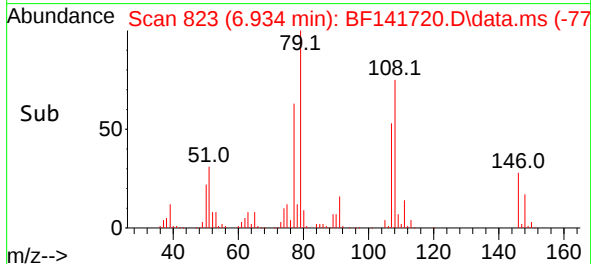
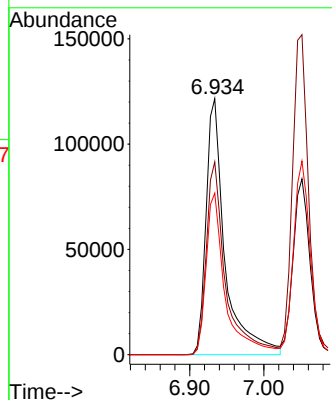
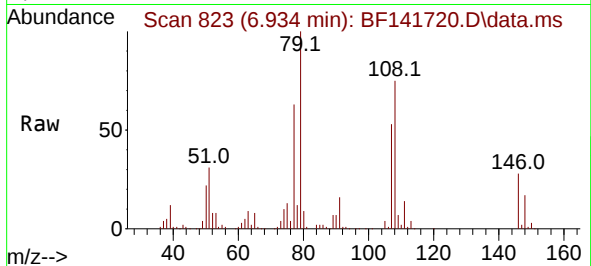




#15
Benzyl Alcohol
Concen: 39.197 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

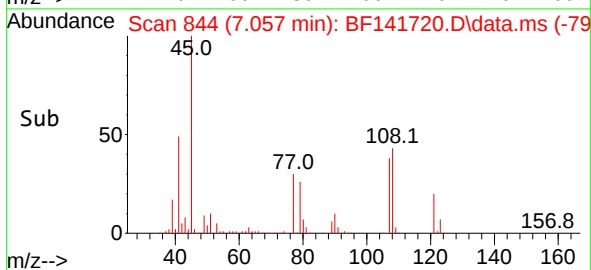
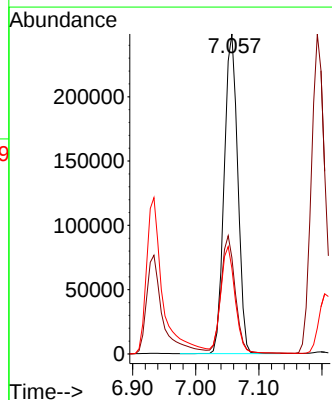
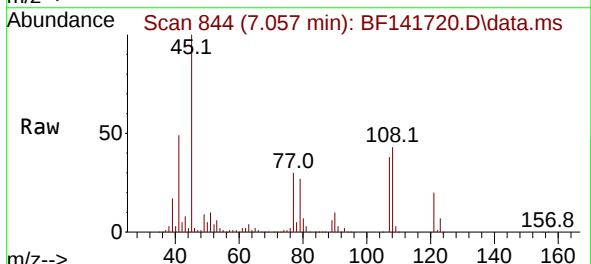
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

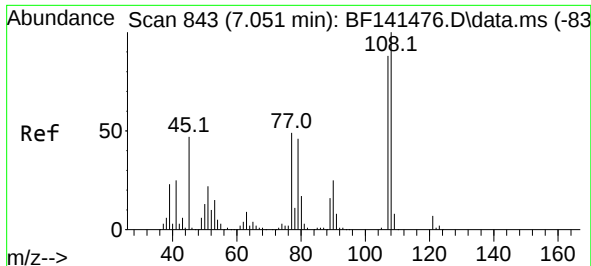
Tgt Ion: 79 Resp: 217009
Ion Ratio Lower Upper
79 100
108 75.3 57.4 86.2
77 63.1 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.313 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 45 Resp: 370168
Ion Ratio Lower Upper
45 100
77 30.1 0.0 35.8
79 26.8 0.0 32.7

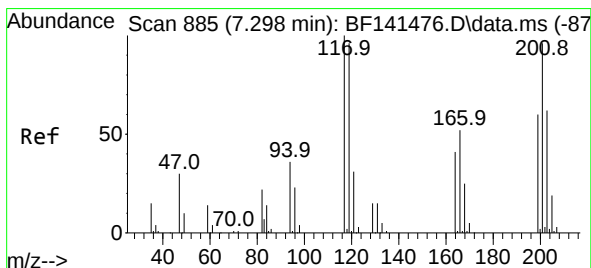
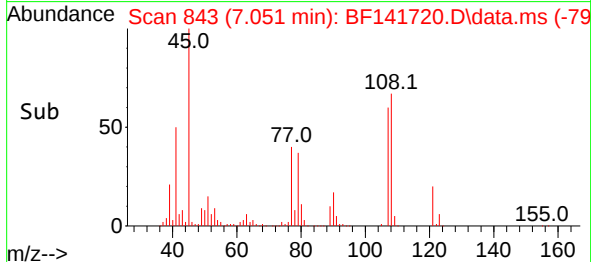
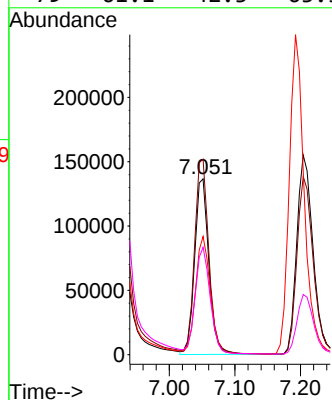
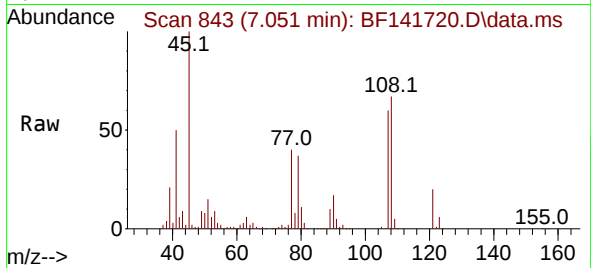




#17
2-Methylphenol
Concen: 42.796 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

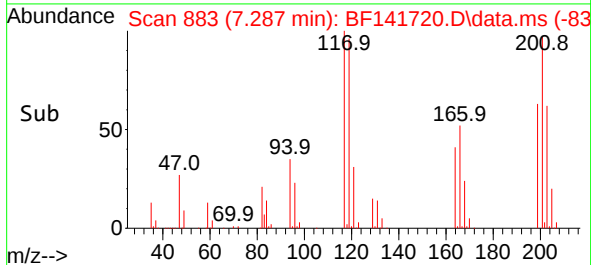
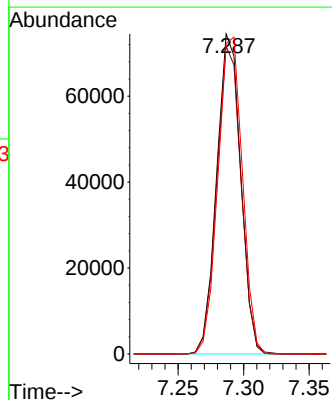
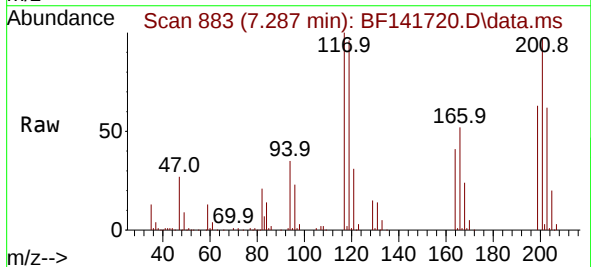
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:107 Resp: 206712
Ion Ratio Lower Upper
107 100
108 111.2 90.6 136.0
77 67.3 44.4 66.6#
79 61.1 42.3 63.5



#18
Hexachloroethane
Concen: 38.400 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:117 Resp: 94615
Ion Ratio Lower Upper
117 100
119 96.2 76.5 114.7
201 97.0 76.7 115.1

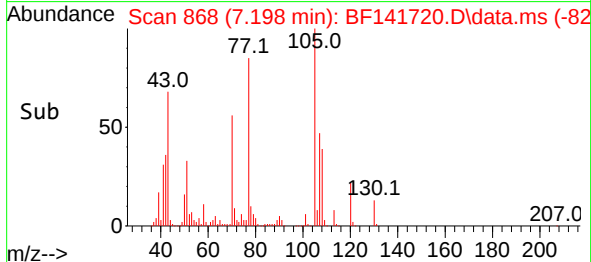
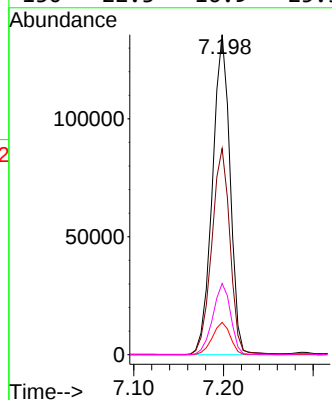
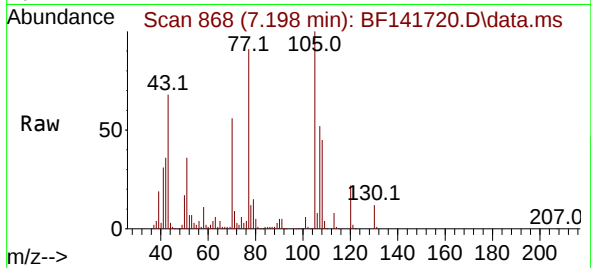




#19
n-Nitroso-di-n-propylamine
Concen: 42.982 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

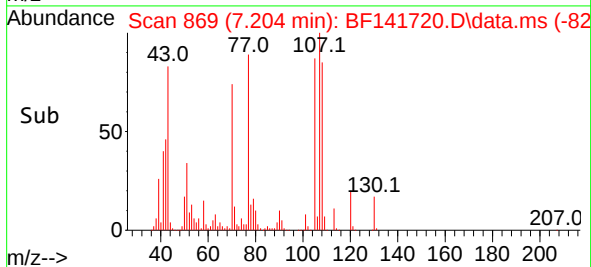
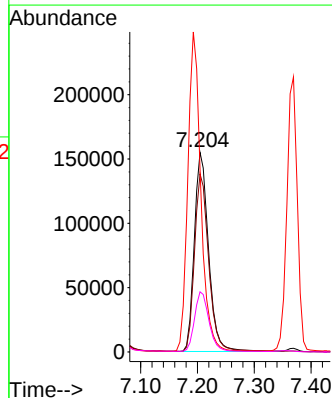
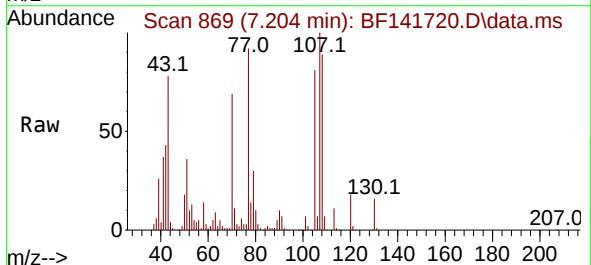
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

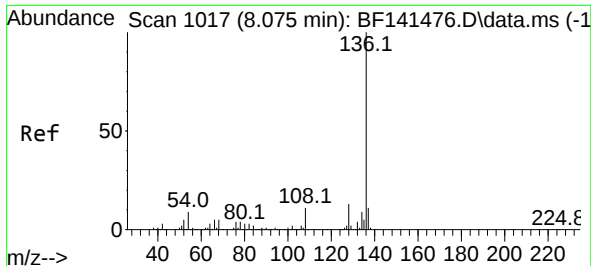
Tgt Ion: 70 Resp: 185620
Ion Ratio Lower Upper
70 100
42 64.5 57.4 86.2
101 10.1 8.0 12.0
130 22.3 16.9 25.3



#20
3+4-Methylphenols
Concen: 43.976 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:107 Resp: 269943
Ion Ratio Lower Upper
107 100
108 89.2 68.5 108.5
77 91.6 116.5 156.5#
79 30.2 12.0 52.0

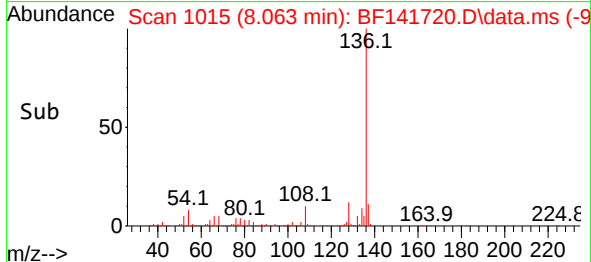
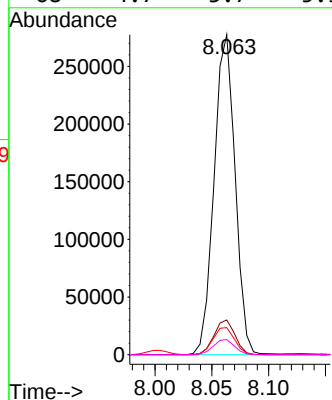
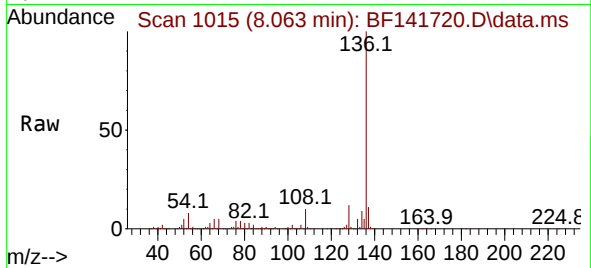




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

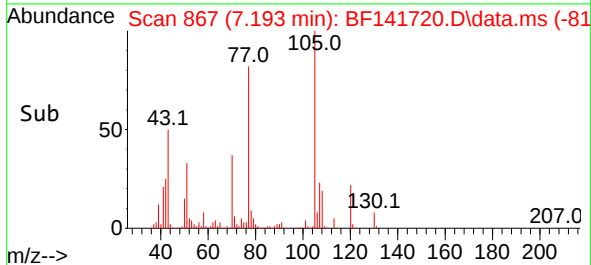
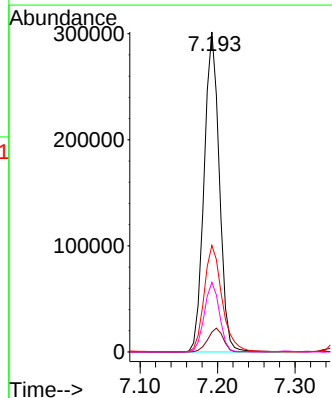
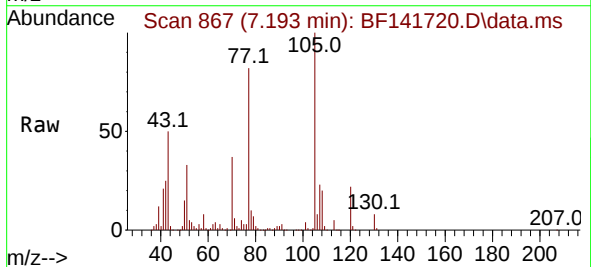
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

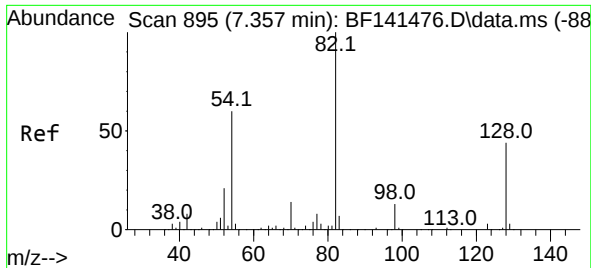
Tgt Ion:136 Resp: 357328
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 7.2 10.8
68 4.7 3.7 5.5



#22
Acetophenone
Concen: 46.271 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:105 Resp: 411294
Ion Ratio Lower Upper
105 100
71 6.2 5.7 8.5
51 33.3 33.7 50.5#
120 21.7 17.0 25.6





#23

Nitrobenzene-d5

Concen: 92.091 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

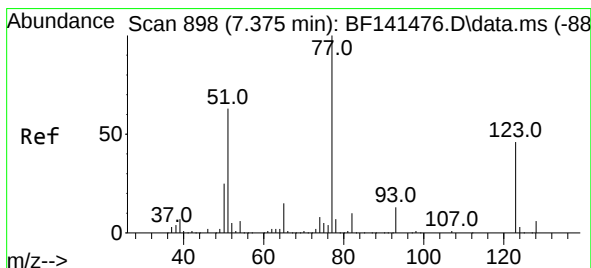
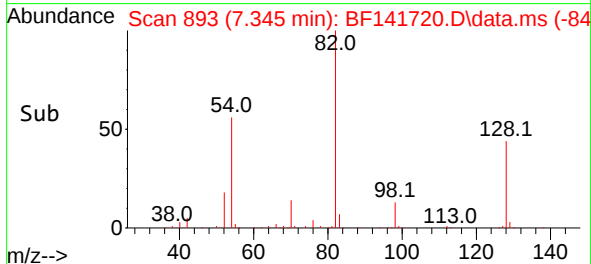
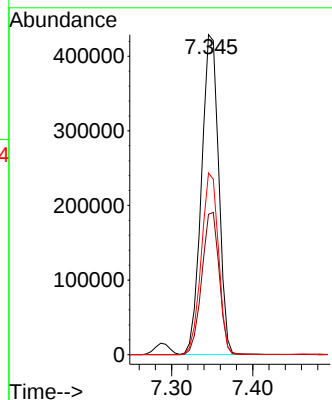
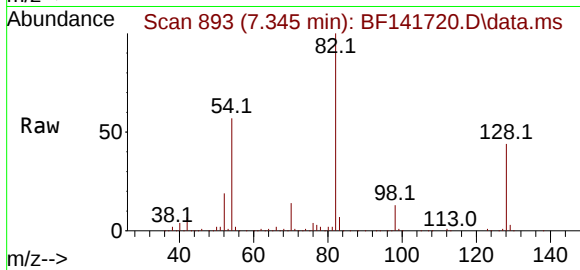
Tgt Ion: 82 Resp: 630904

Ion Ratio Lower Upper

82 100

128 43.9 34.8 52.2

54 56.8 48.2 72.4



#24

Nitrobenzene

Concen: 40.928 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

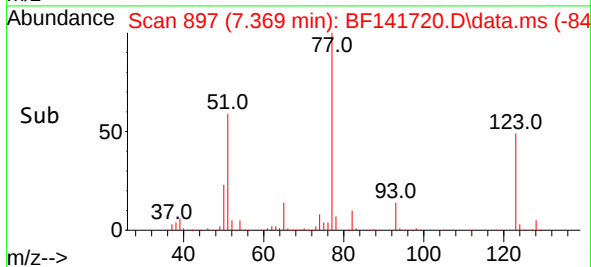
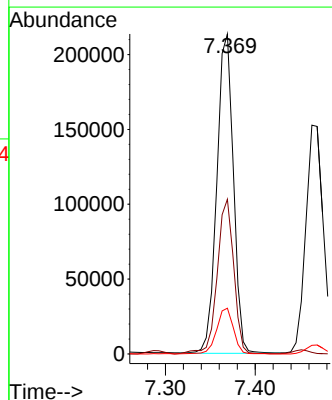
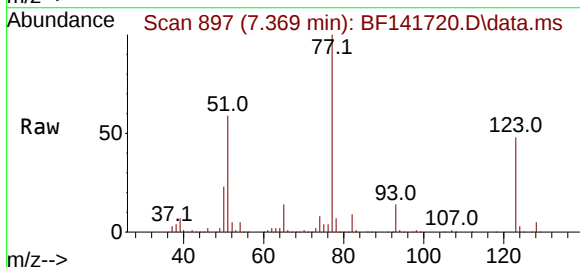
Tgt Ion: 77 Resp: 273419

Ion Ratio Lower Upper

77 100

123 48.3 36.9 55.3

65 14.3 11.9 17.9

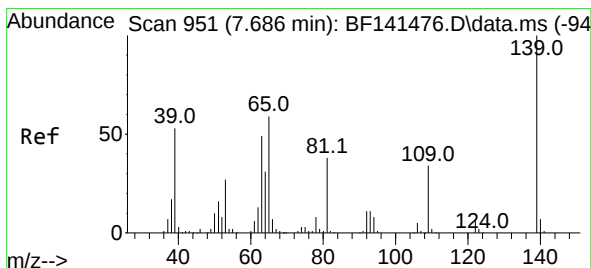
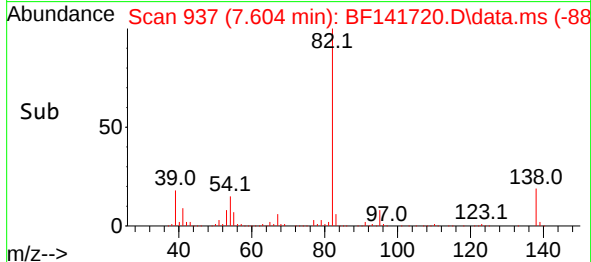
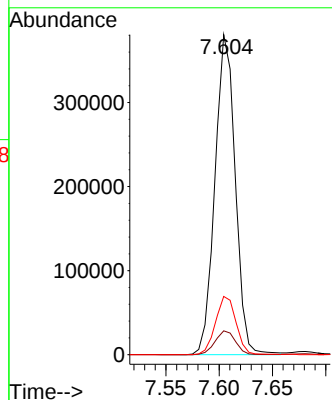
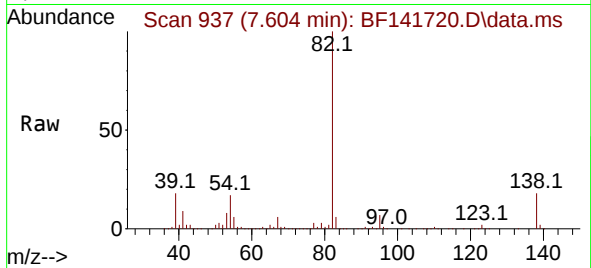




#25
Isophorone
Concen: 46.188 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

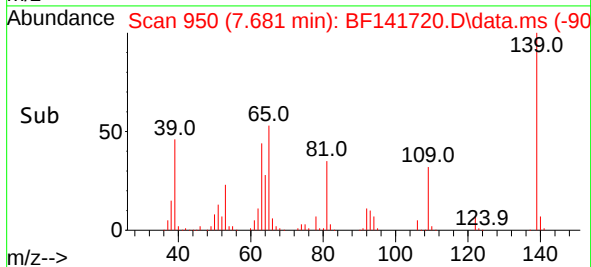
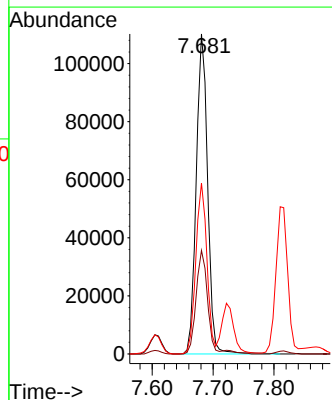
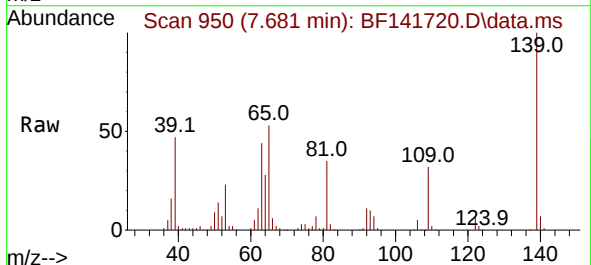
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion: 82 Resp: 504533
Ion Ratio Lower Upper
82 100
95 7.5 6.4 9.6
138 18.2 13.9 20.9



#26
2-Nitrophenol
Concen: 43.076 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 139 Resp: 143168
Ion Ratio Lower Upper
139 100
109 32.4 27.0 40.6
65 53.4 47.1 70.7

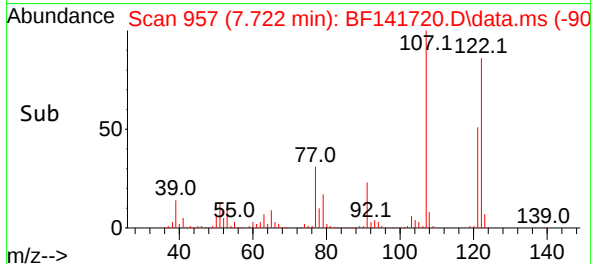
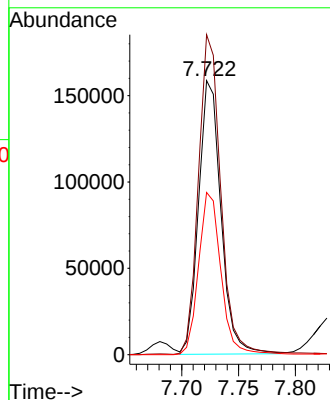
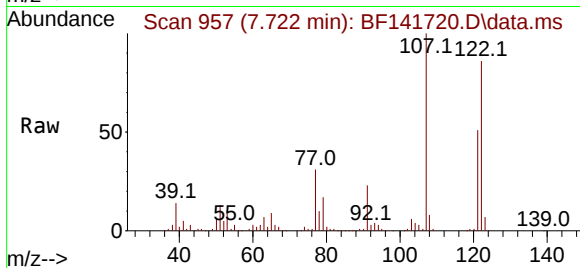




#27
2,4-Dimethylphenol
Concen: 55.870 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

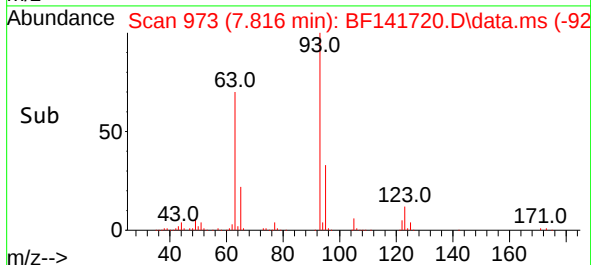
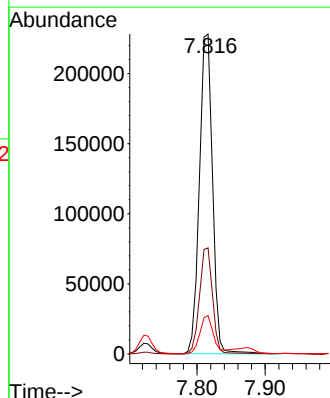
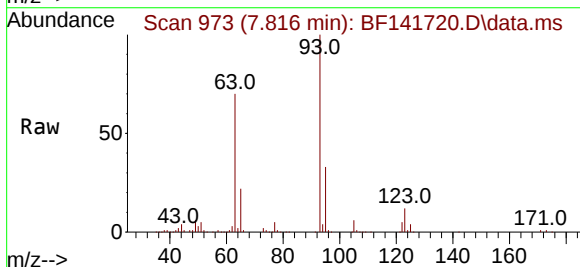
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:122 Resp: 216927
Ion Ratio Lower Upper
122 100
107 116.7 94.3 141.5
121 59.2 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 43.675 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 93 Resp: 305703
Ion Ratio Lower Upper
93 100
95 33.1 26.1 39.1
123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 43.630 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

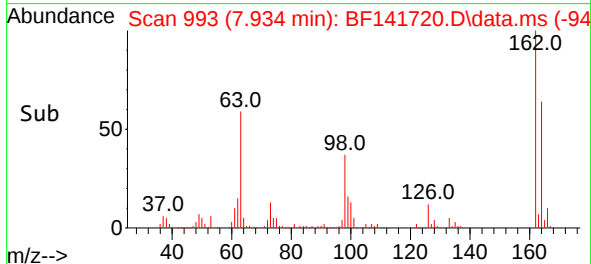
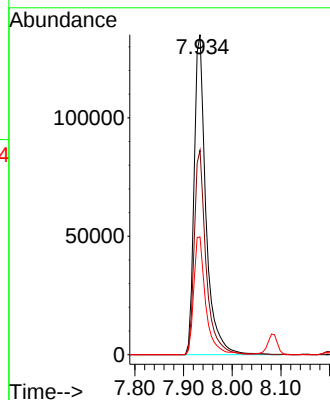
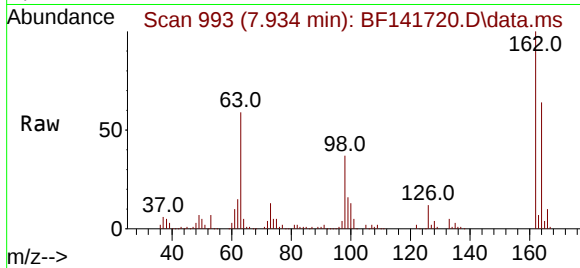
Tgt Ion:162 Resp: 228890

Ion Ratio Lower Upper

162 100

164 63.9 44.6 84.6

98 36.8 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 41.010 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

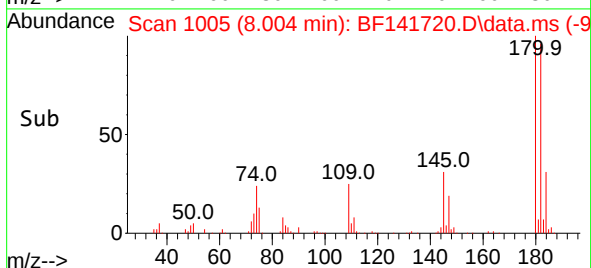
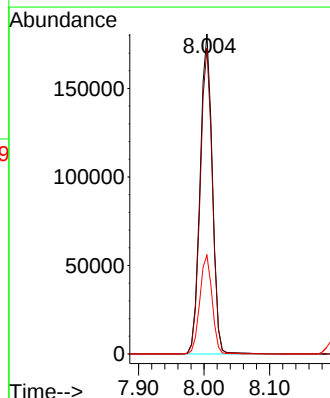
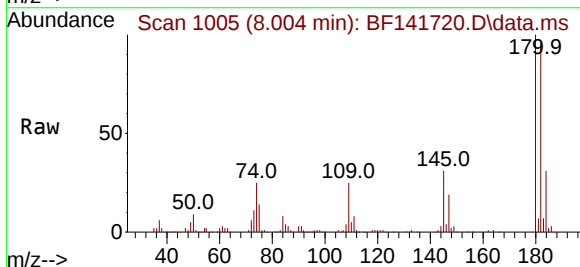
Tgt Ion:180 Resp: 234284

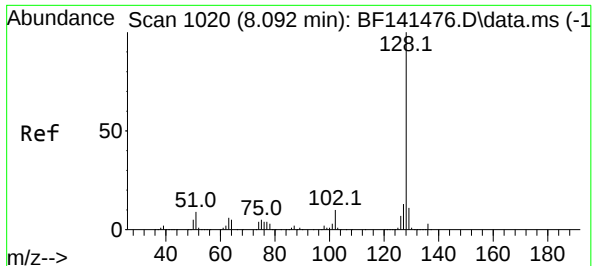
Ion Ratio Lower Upper

180 100

182 95.5 76.8 115.2

145 30.9 24.2 36.4

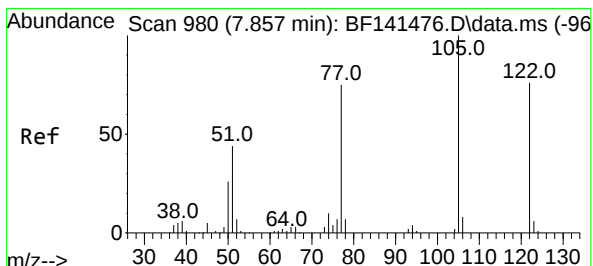
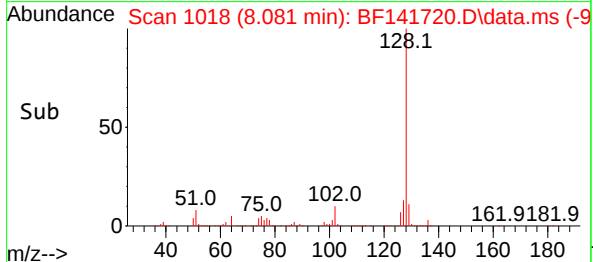
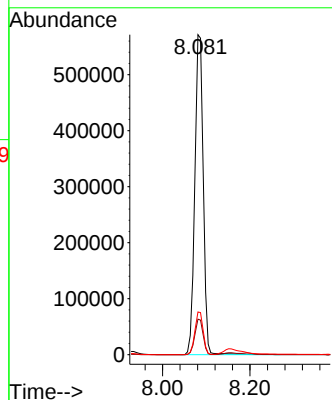
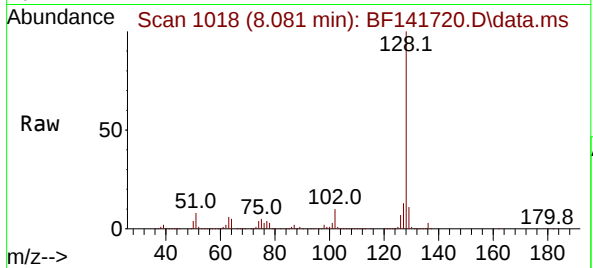




#31
Naphthalene
Concen: 41.210 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

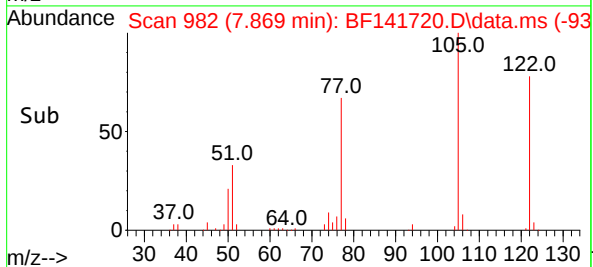
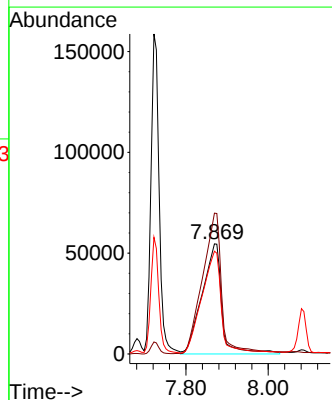
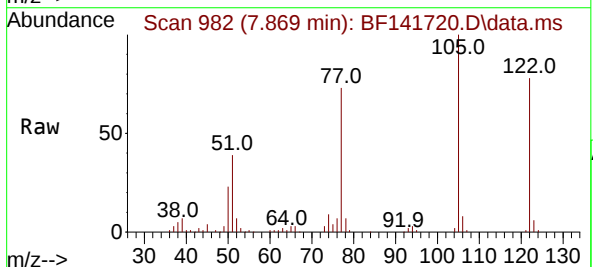
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

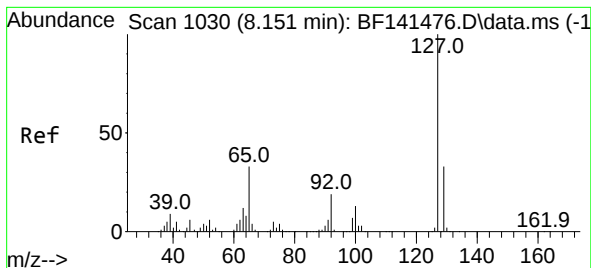
Tgt Ion:128 Resp: 766508
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 45.460 ng m
RT: 7.869 min Scan# 982
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:122 Resp: 183343
Ion Ratio Lower Upper
122 100
105 127.9 106.5 146.5
77 93.3 76.3 116.3

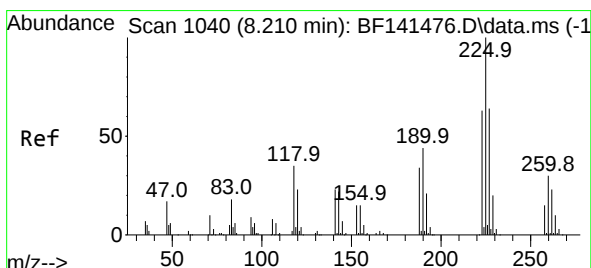
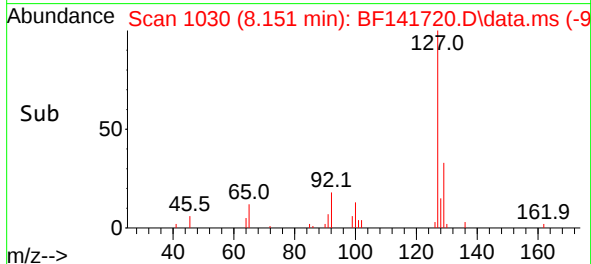
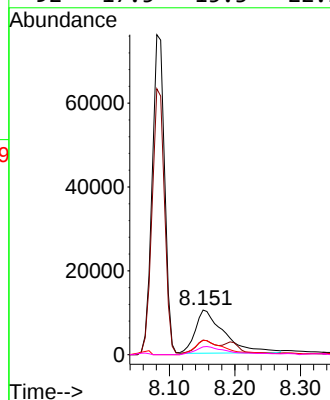
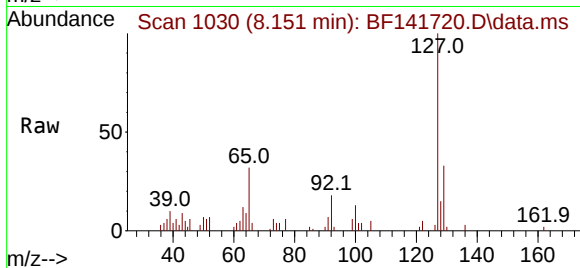




#33
4-Chloroaniline
Concen: 4.851 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

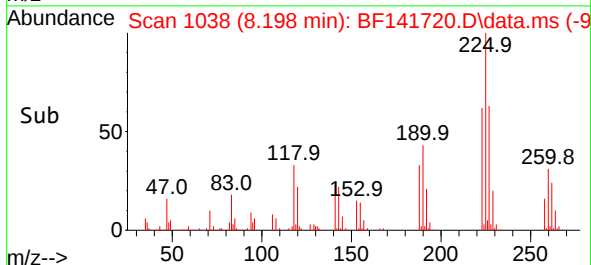
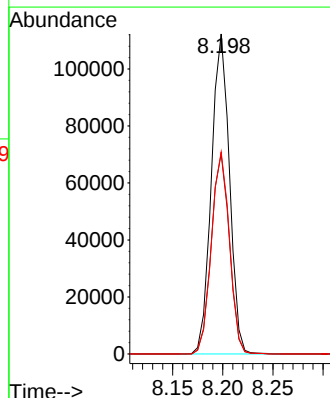
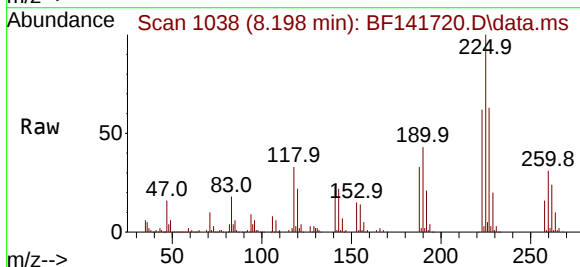
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

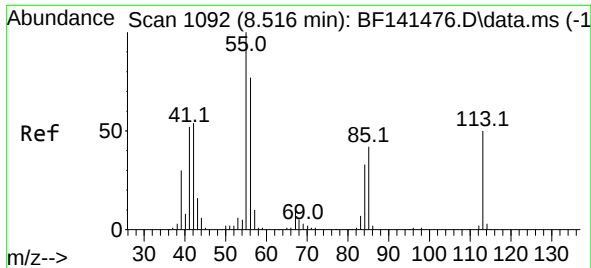
Tgt Ion:	127	Resp:	31505
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.5	39.7
65	32.2	26.4	39.6
92	17.5	15.3	22.9



#34
Hexachlorobutadiene
Concen: 40.985 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:	225	Resp:	140565
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.1	75.1
227	63.1	51.0	76.6

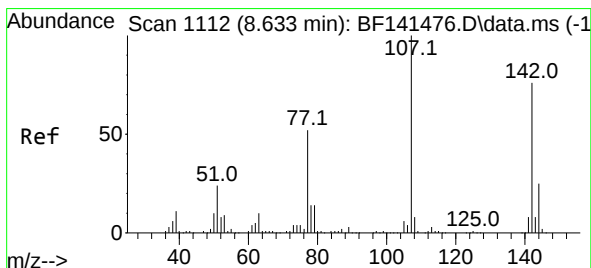
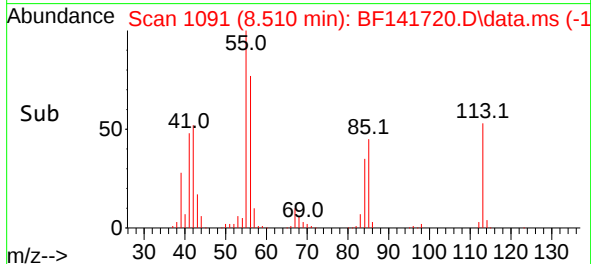
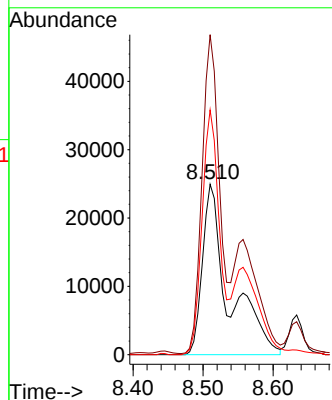
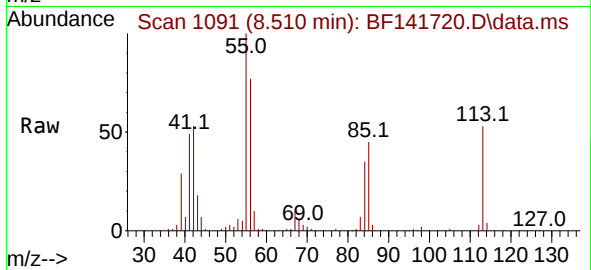




#35
 Caprolactam
 Concen: 40.866 ng m
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

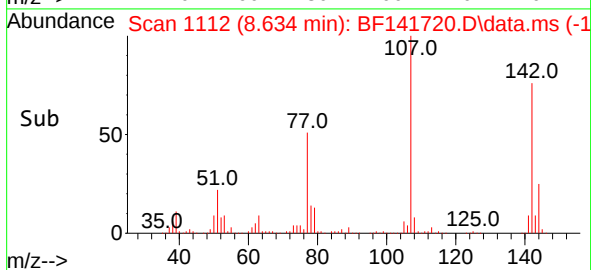
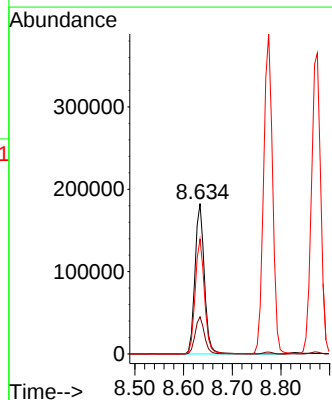
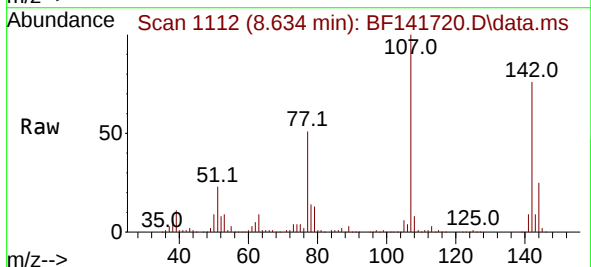
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

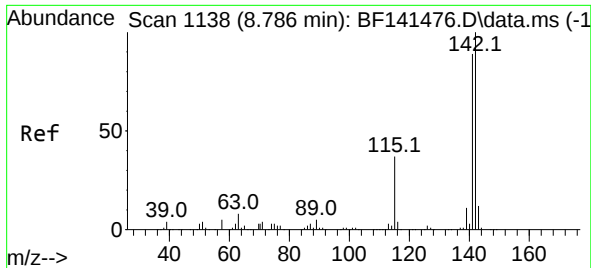
Tgt Ion:113 Resp: 65275
 Ion Ratio Lower Upper
 113 100
 55 187.8 180.8 220.8
 56 143.7 133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 42.346 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

Tgt Ion:107 Resp: 246080
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.7 29.5
 142 76.4 60.8 91.2

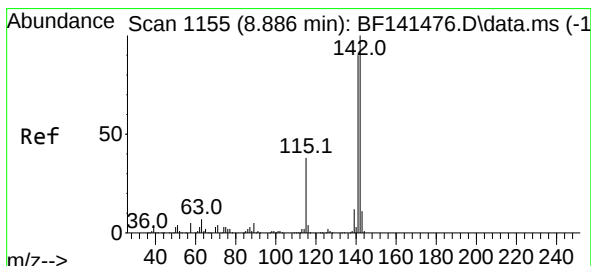
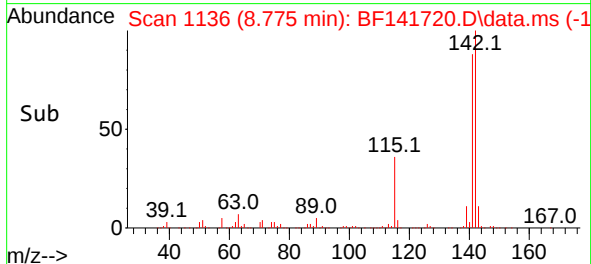
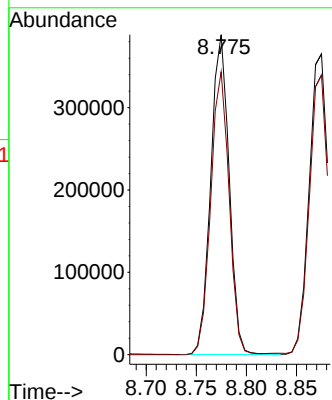
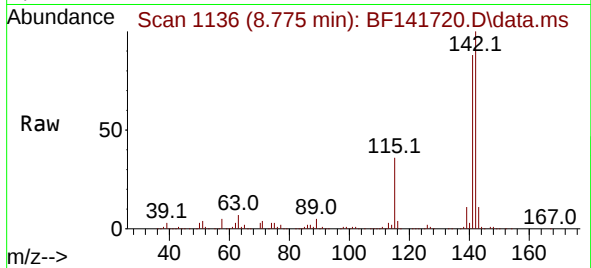




#37
2-Methylnaphthalene
Concen: 40.953 ng
RT: 8.775 min Scan# 1136
Delta R.T. -0.011 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

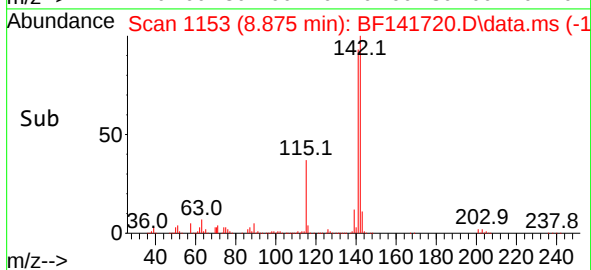
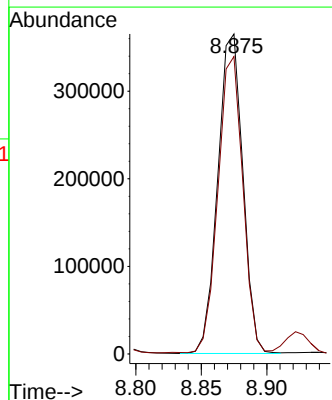
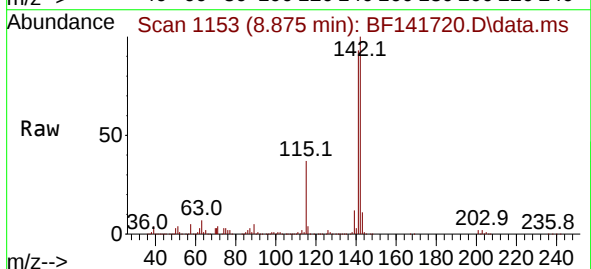
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

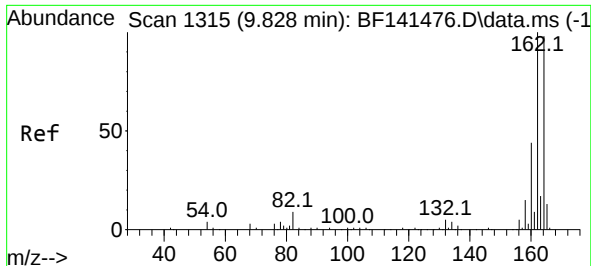
Tgt Ion:142 Resp: 495683
Ion Ratio Lower Upper
142 100
141 88.4 71.2 106.8



#38
1-Methylnaphthalene
Concen: 41.236 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

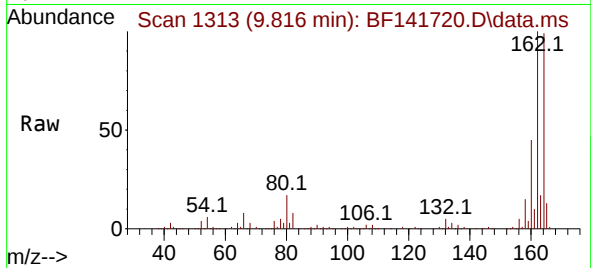
Tgt Ion:142 Resp: 483402
Ion Ratio Lower Upper
142 100
141 93.0 72.1 108.1



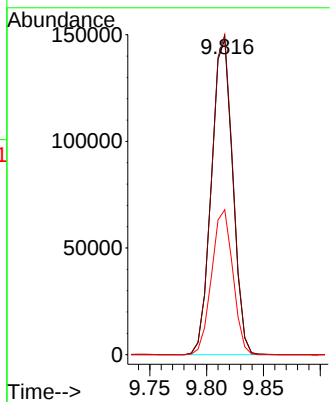
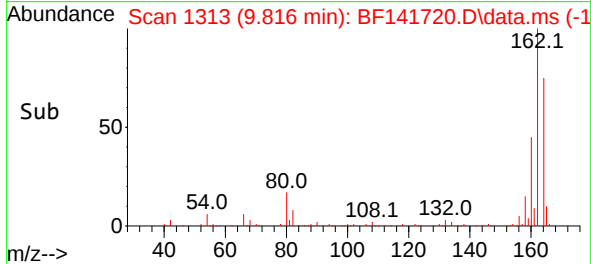


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

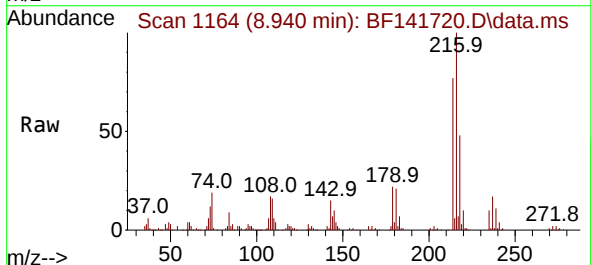
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS



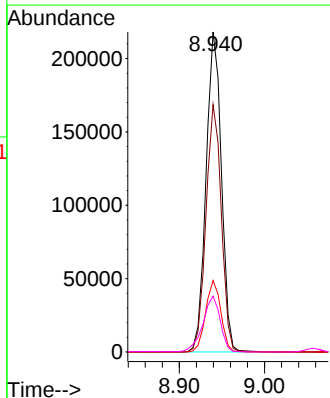
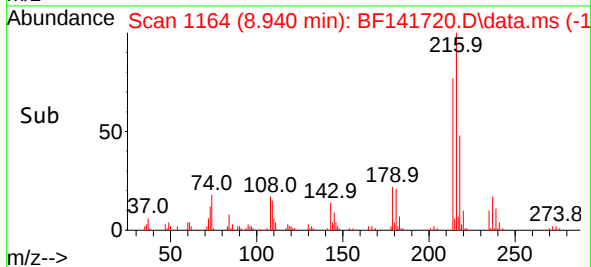
Tgt Ion:164 Resp: 192611
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 46.0 35.9 53.9

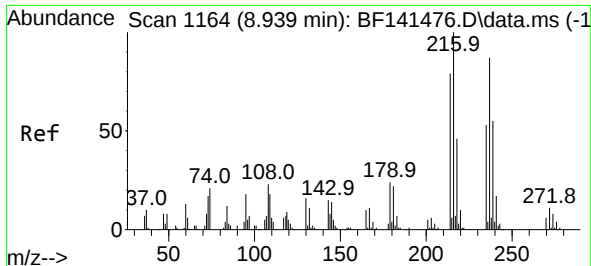


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.964 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17



Tgt Ion:216 Resp: 272851
Ion Ratio Lower Upper
216 100
214 77.3 62.3 93.5
179 22.1 18.0 27.0
108 19.8 15.0 22.6

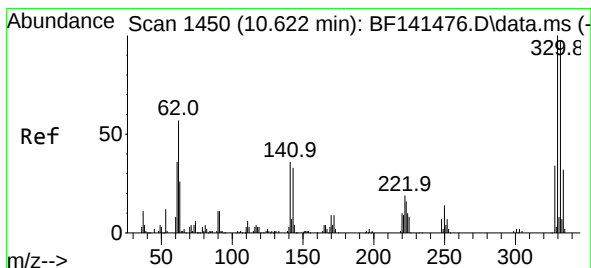
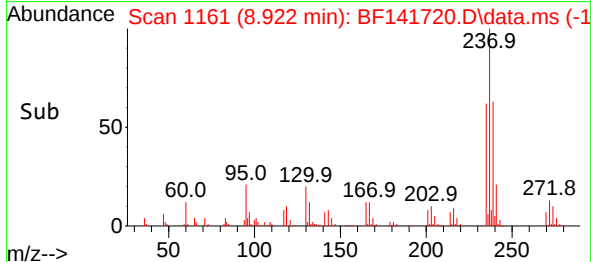
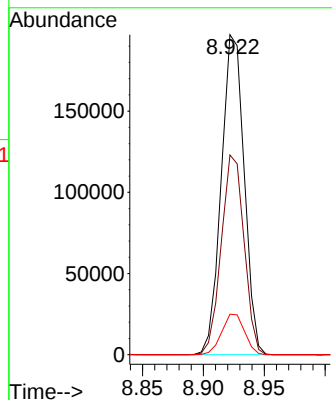
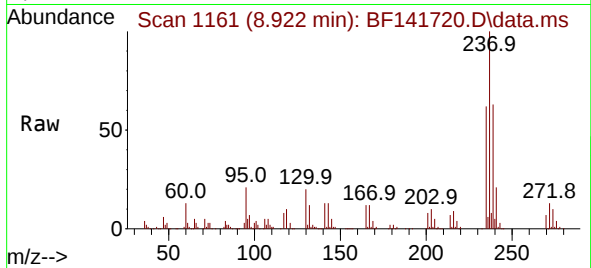




#41
Hexachlorocyclopentadiene
Concen: 139.197 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

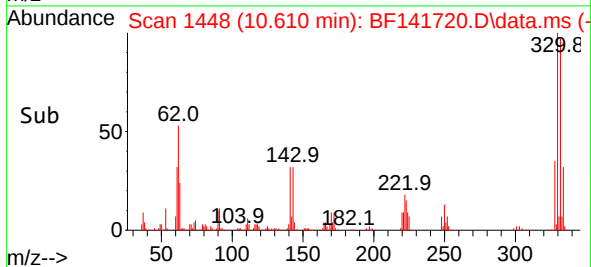
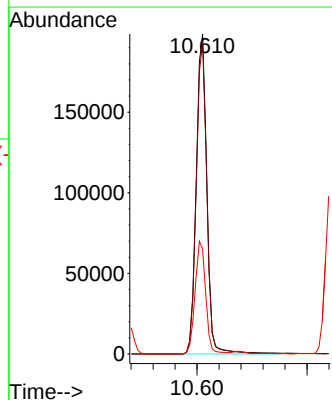
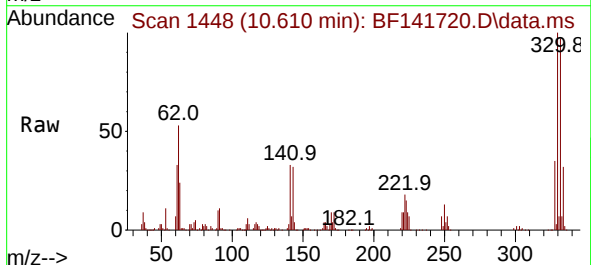
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:237 Resp: 257994
Ion Ratio Lower Upper
237 100
235 62.4 41.4 81.4
272 12.6 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 137.934 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:330 Resp: 266884
Ion Ratio Lower Upper
330 100
332 97.1 78.5 117.7
141 35.1 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 44.826 ng

RT: 9.057 min Scan# 1184

Delta R.T. -0.011 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

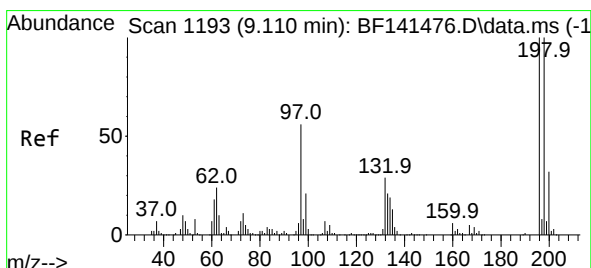
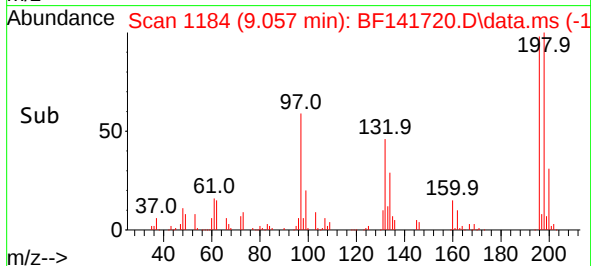
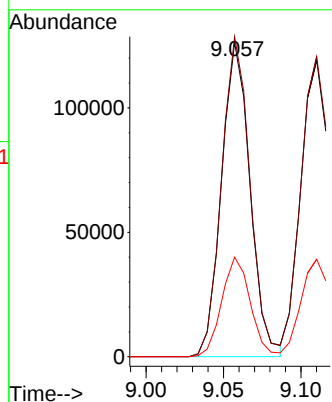
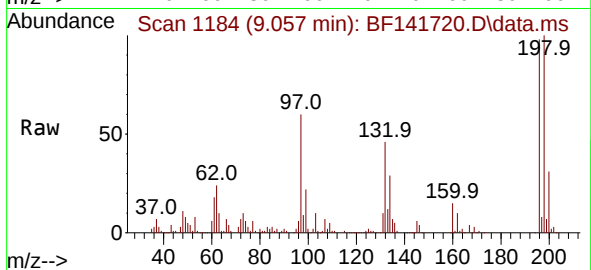
Tgt Ion:196 Resp: 161444

Ion Ratio Lower Upper

196 100

198 101.9 80.6 121.0

200 31.7 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 44.527 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Tgt Ion:196 Resp: 173801

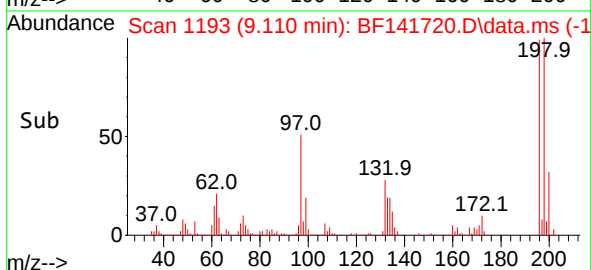
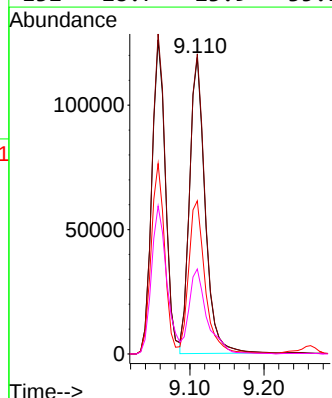
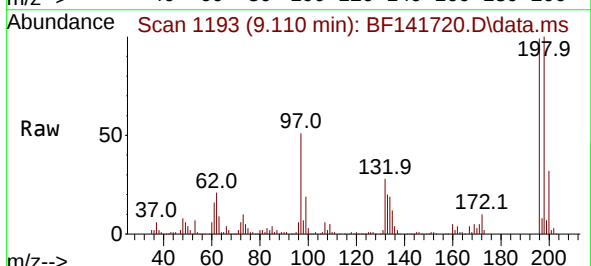
Ion Ratio Lower Upper

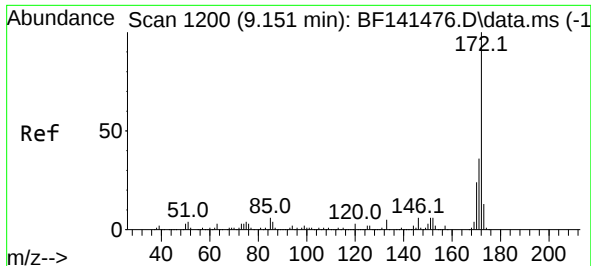
196 100

198 101.2 79.8 119.8

97 51.7 44.8 67.2

132 28.7 23.9 35.9

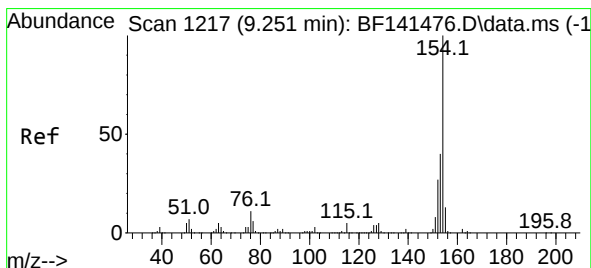
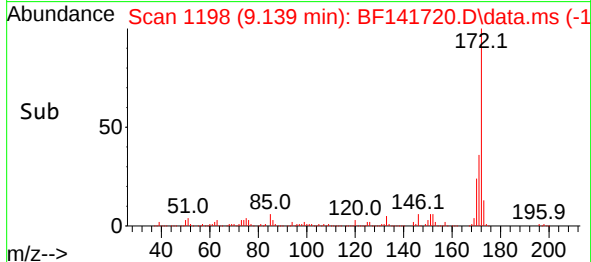
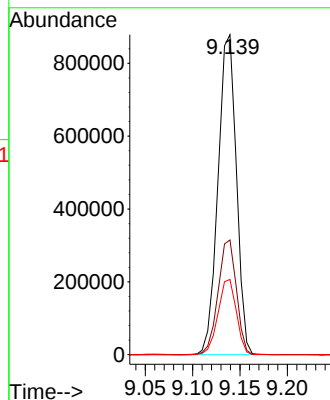
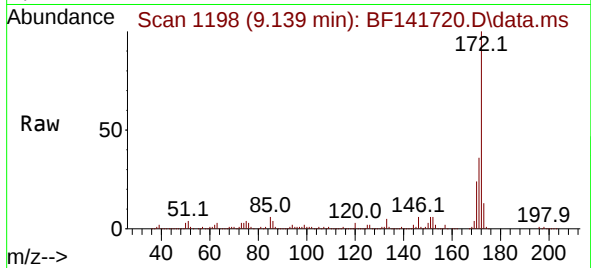




#45
2-Fluorobiphenyl
Concen: 94.963 ng
RT: 9.139 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

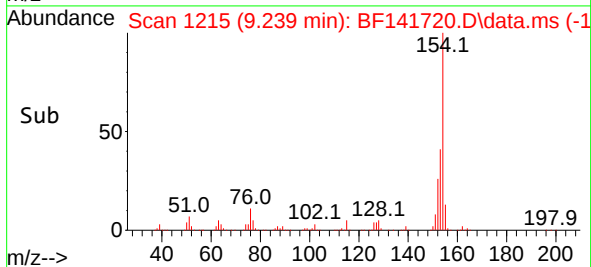
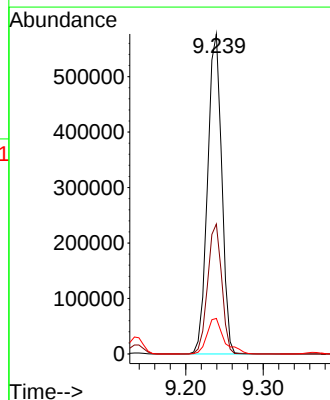
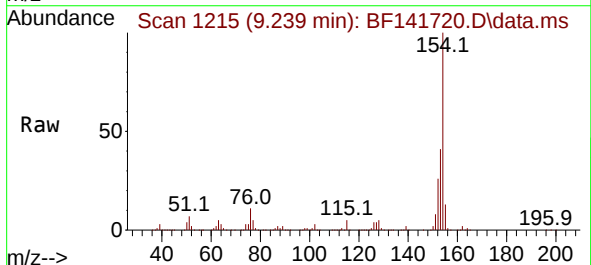
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

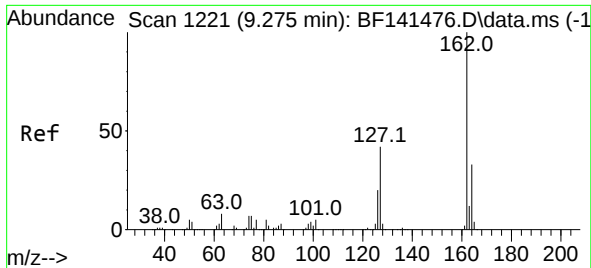
Tgt Ion:172 Resp: 1187232
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.5 18.9 28.3



#46
1,1'-Biphenyl
Concen: 48.885 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:154 Resp: 729987
Ion Ratio Lower Upper
154 100
153 40.6 20.4 60.4
76 11.1 0.0 30.8

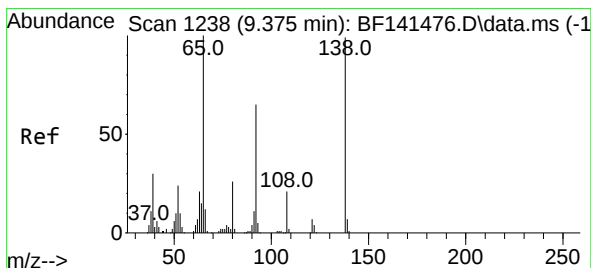
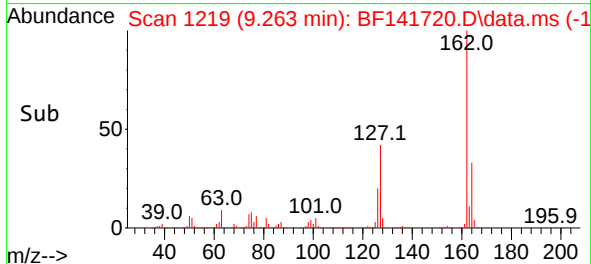
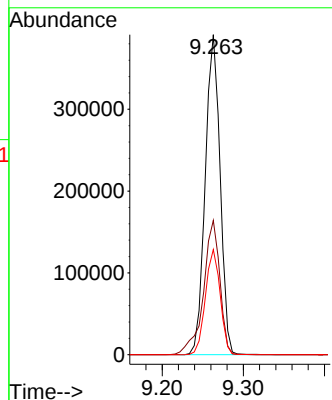
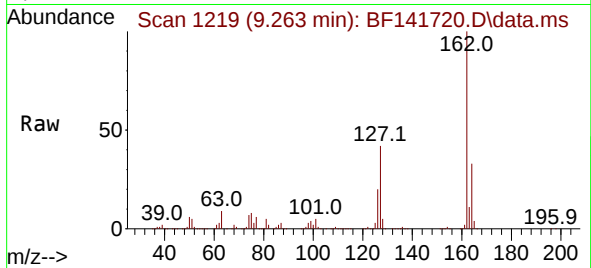




#47
2-Chloronaphthalene
Concen: 44.913 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

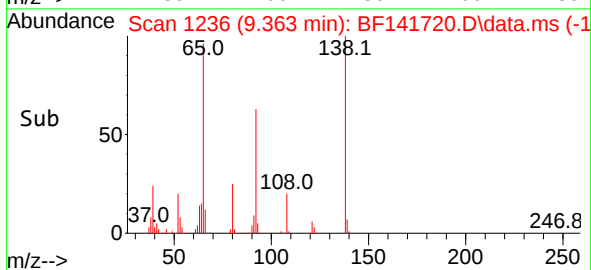
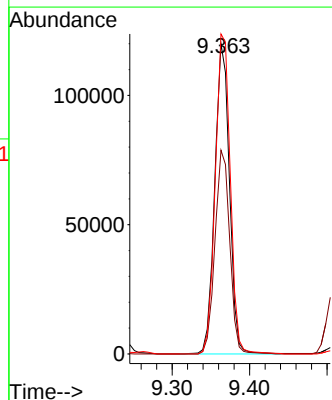
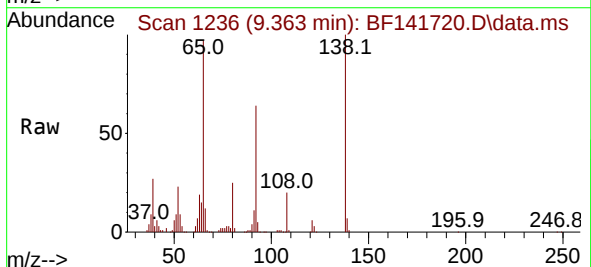
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

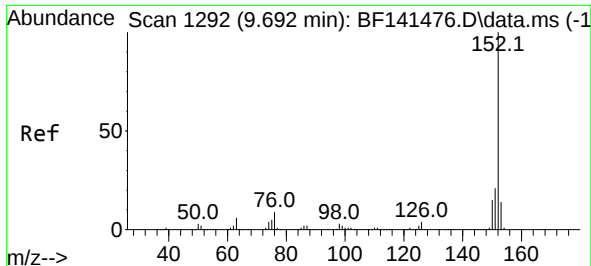
Tgt Ion:162 Resp: 495944
Ion Ratio Lower Upper
162 100
127 42.0 34.1 51.1
164 32.9 26.3 39.5



#48
2-Nitroaniline
Concen: 42.592 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion: 65 Resp: 157838
Ion Ratio Lower Upper
65 100
92 65.7 52.2 78.2
138 103.2 79.5 119.3





#49

Acenaphthylene

Concen: 46.335 ng

RT: 9.675 min Scan# 1289

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

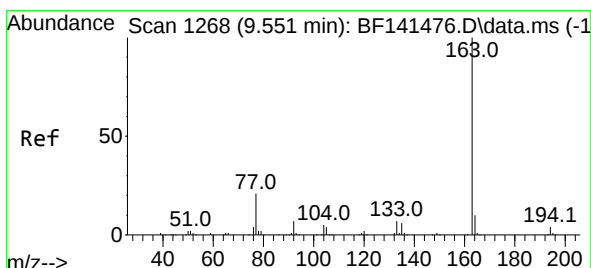
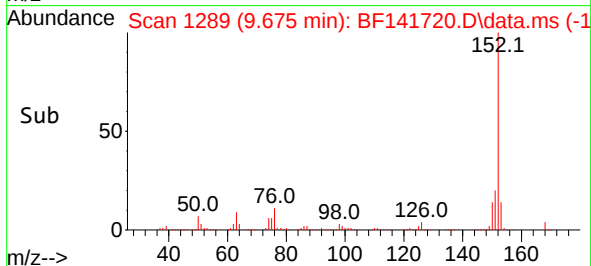
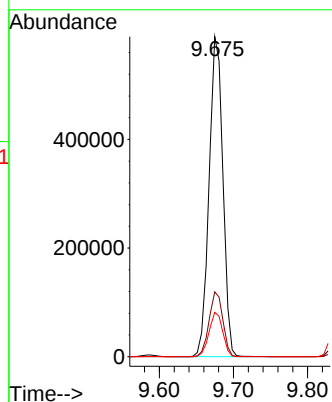
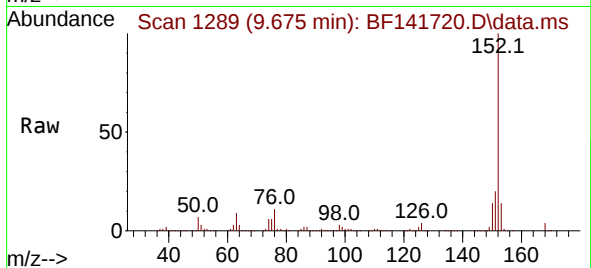
Tgt Ion:152 Resp: 761017

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

153 13.9 10.9 16.3



#50

Dimethylphthalate

Concen: 46.656 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

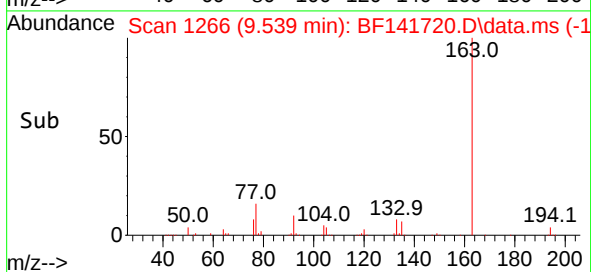
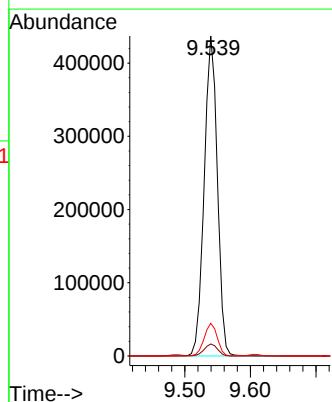
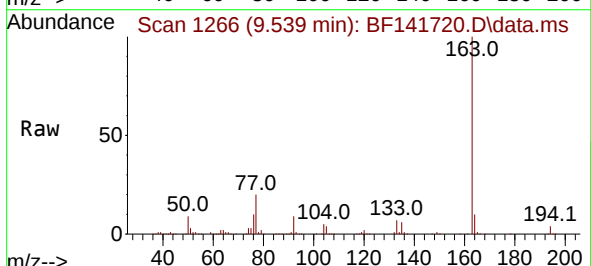
Tgt Ion:163 Resp: 610073

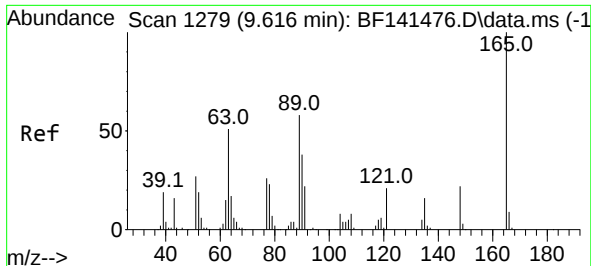
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.2 7.9 11.9

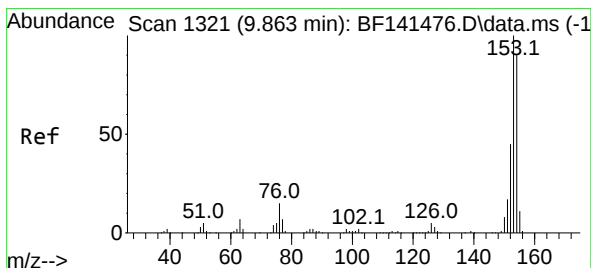
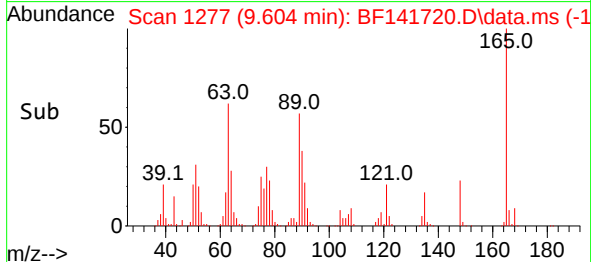
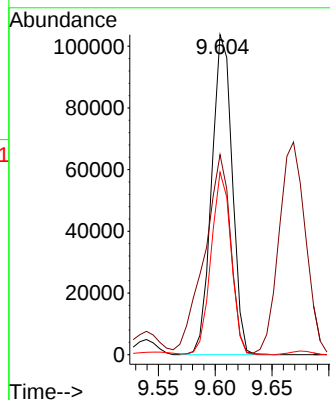
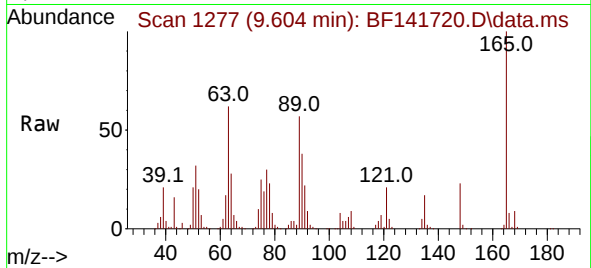




#51
2,6-Dinitrotoluene
Concen: 45.512 ng
RT: 9.604 min Scan# 1318
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

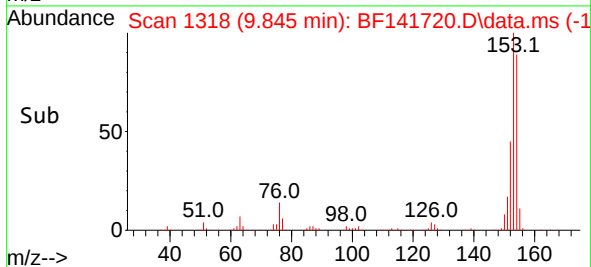
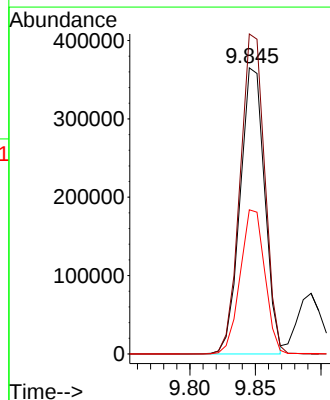
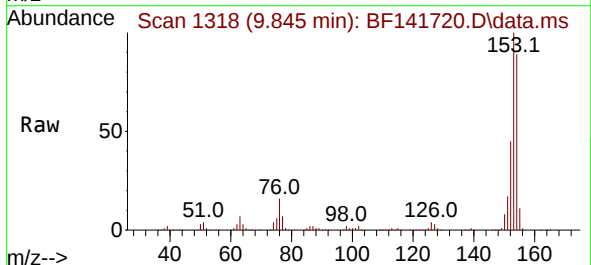
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

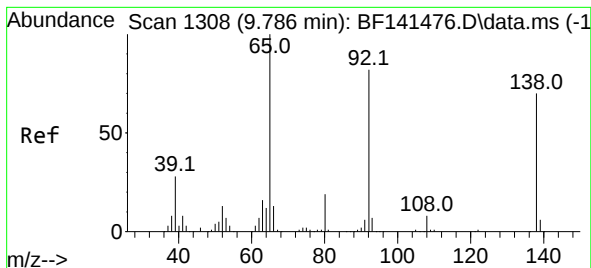
Tgt Ion:165 Resp: 130096
Ion Ratio Lower Upper
165 100
63 62.5 49.4 74.0
89 57.0 46.5 69.7



#52
Acenaphthene
Concen: 43.190 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:154 Resp: 476898
Ion Ratio Lower Upper
154 100
153 111.9 89.2 133.8
152 50.4 39.8 59.8





#53

3-Nitroaniline

Concen: 10.170 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

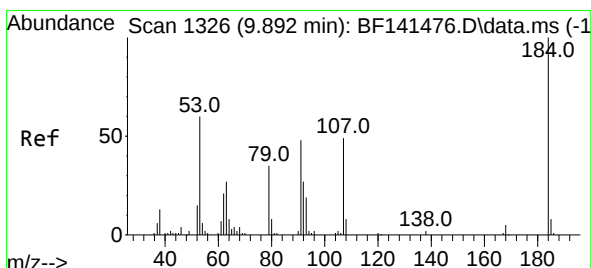
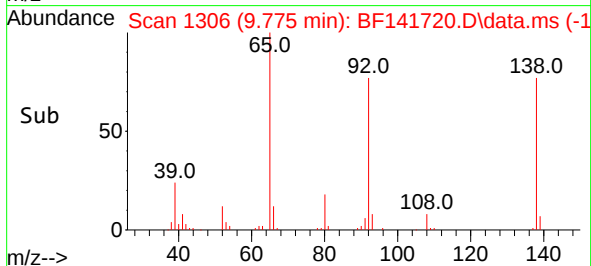
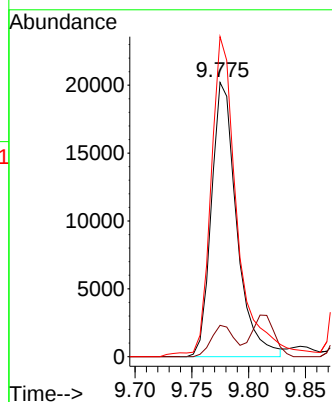
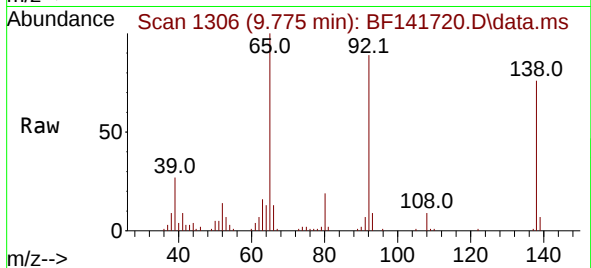
Tgt Ion:138 Resp: 31289

Ion Ratio Lower Upper

138 100

108 11.4 9.0 13.4

92 116.7 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 94.584 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

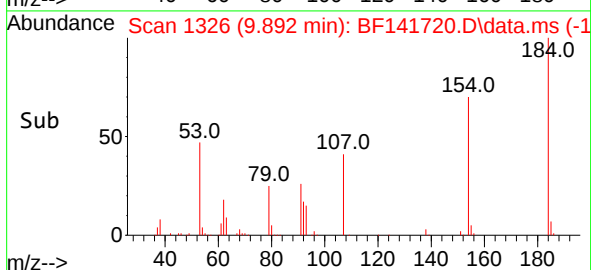
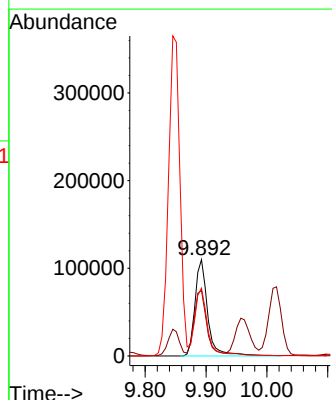
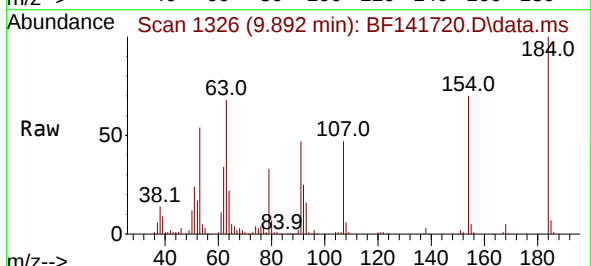
Tgt Ion:184 Resp: 160686

Ion Ratio Lower Upper

184 100

63 67.9 61.0 91.6

154 70.3 59.9 89.9

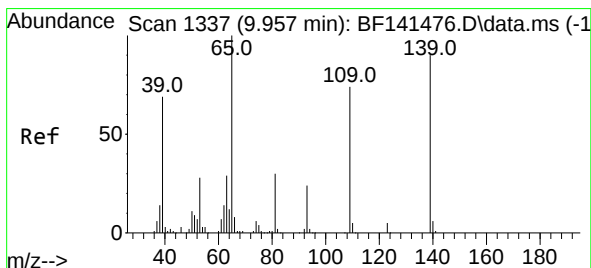
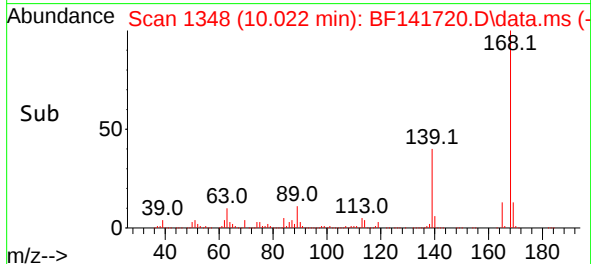
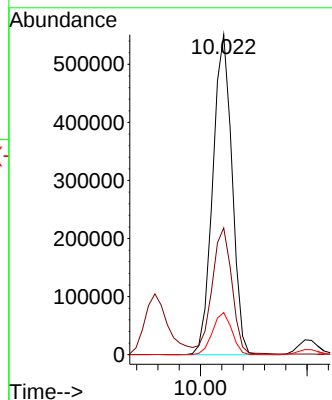
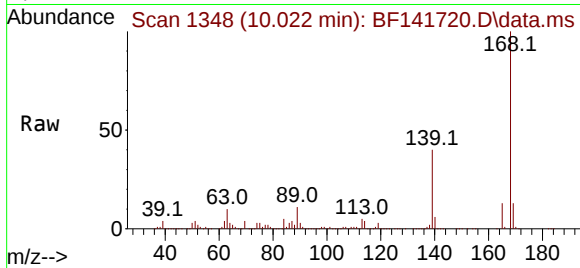




#55
Dibenzofuran
Concen: 42.559 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

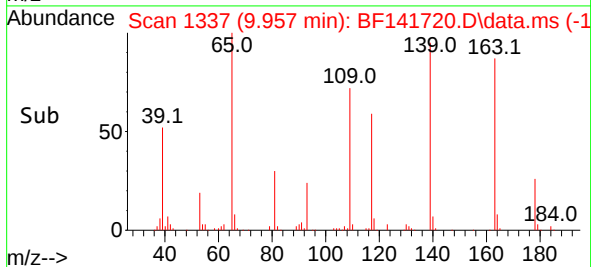
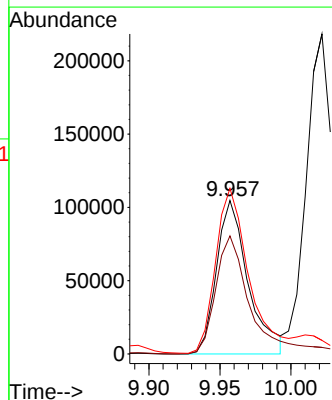
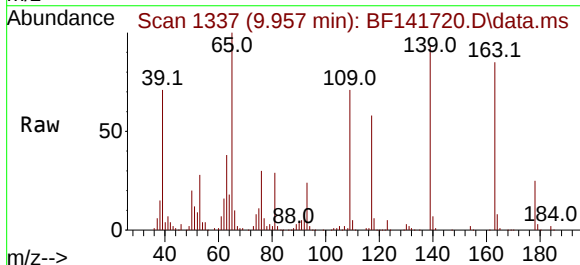
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:168 Resp: 689771
Ion Ratio Lower Upper
168 100
139 39.6 32.7 49.1
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 70.863 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:139 Resp: 161840
Ion Ratio Lower Upper
139 100
109 76.9 62.0 102.0
65 108.0 91.2 131.2

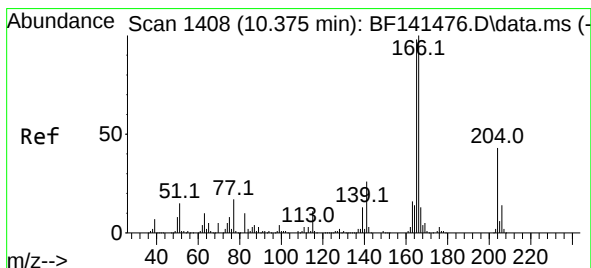
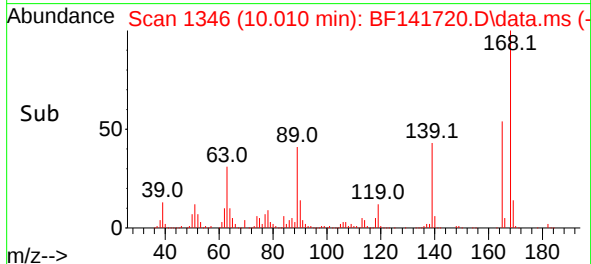
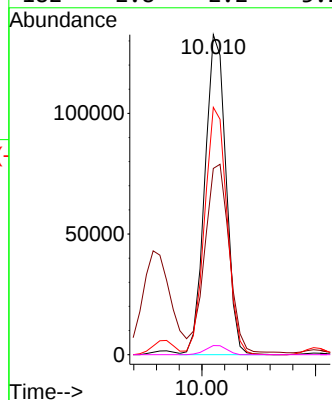
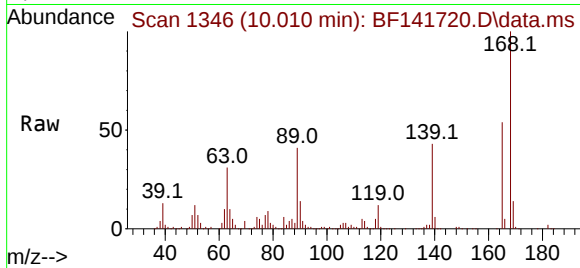




#57
2,4-Dinitrotoluene
Concen: 44.974 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

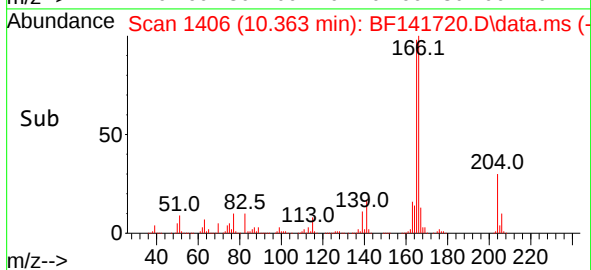
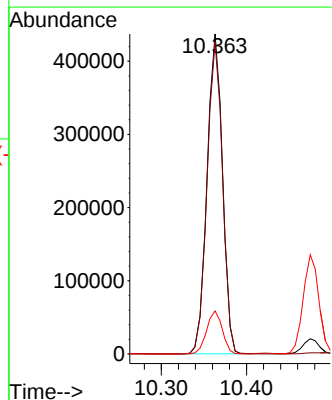
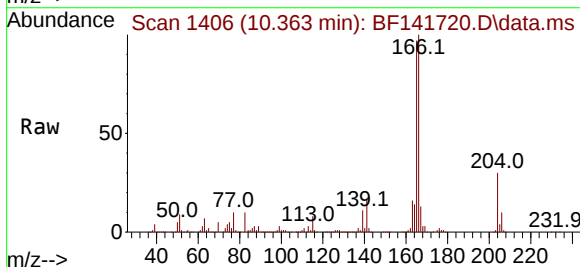
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

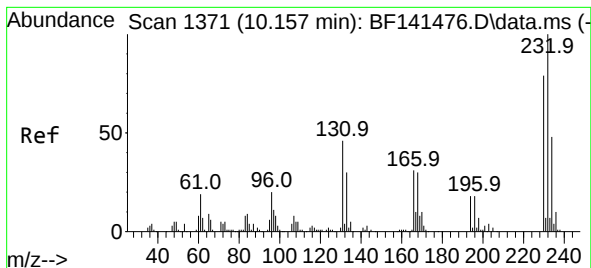
Tgt Ion:165 Resp: 171140
Ion Ratio Lower Upper
165 100
63 58.2 46.4 69.6
89 77.3 61.8 92.6
182 2.8 2.2 3.2



#58
Fluorene
Concen: 43.921 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

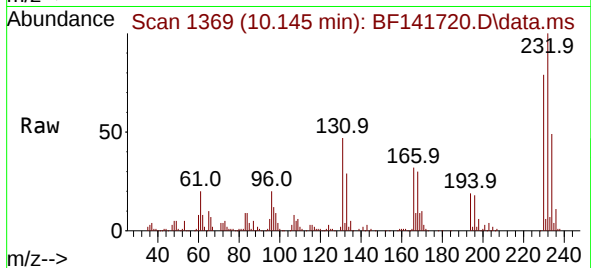
Tgt Ion:166 Resp: 550395
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.2
167 13.5 10.7 16.1



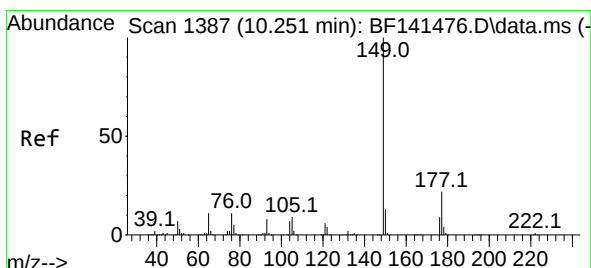
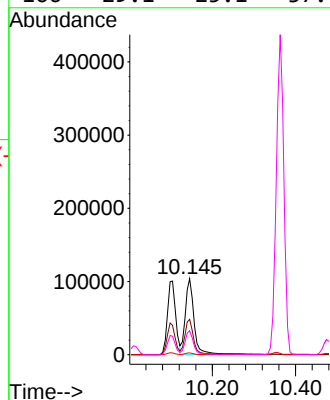
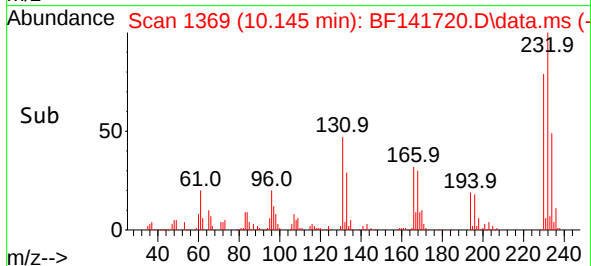


#59
2,3,4,6-Tetrachlorophenol
Concen: 45.418 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

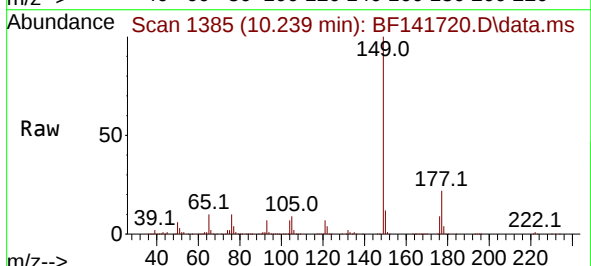
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS



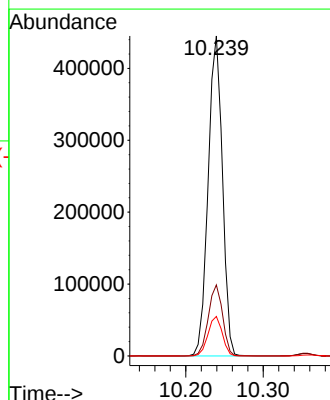
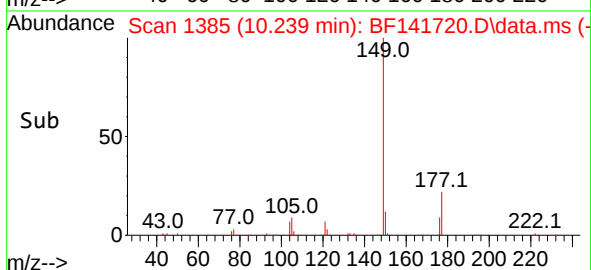
Tgt Ion:232 Resp: 152625
Ion Ratio Lower Upper
232 100
131 45.1 39.2 58.8
130 2.4 2.1 3.1
166 29.1 25.1 37.7



#60
Diethylphthalate
Concen: 44.179 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17



Tgt Ion:149 Resp: 568369
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.4 10.1 15.1

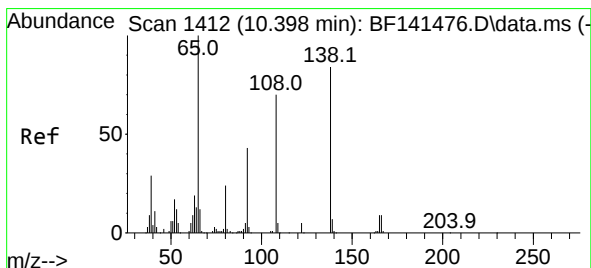
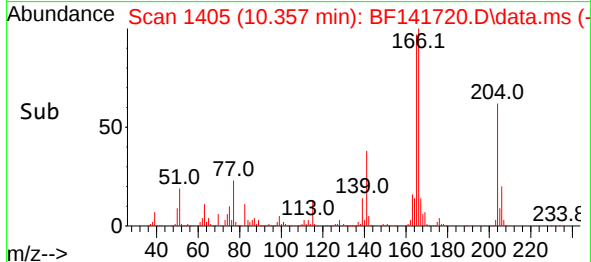
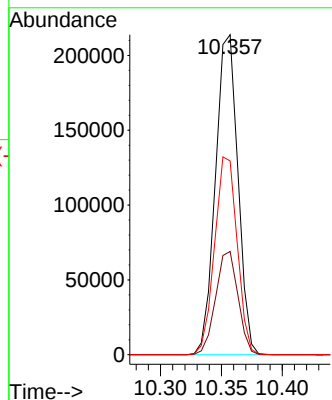
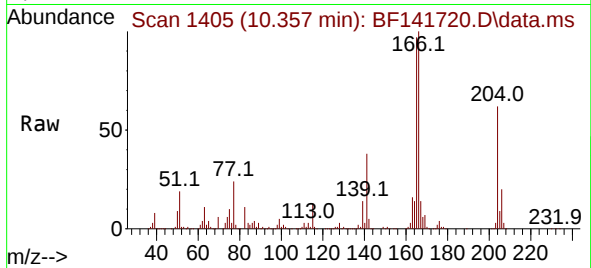




#61
4-Chlorophenyl-phenylether
Concen: 45.574 ng
RT: 10.357 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

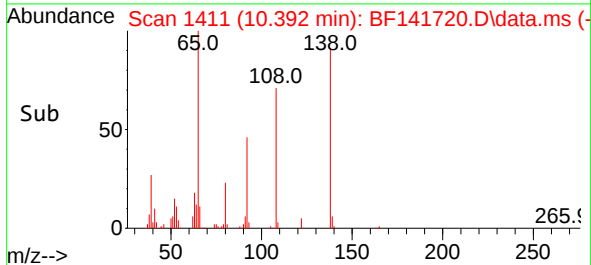
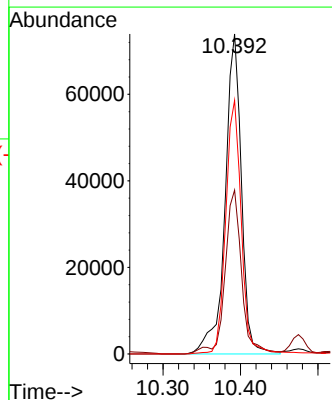
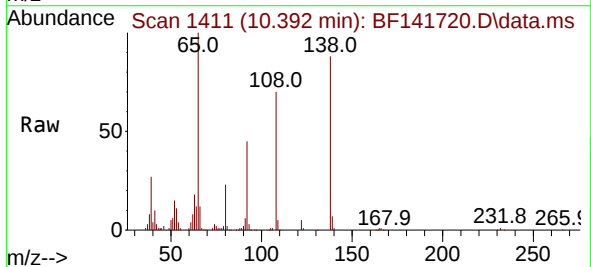
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

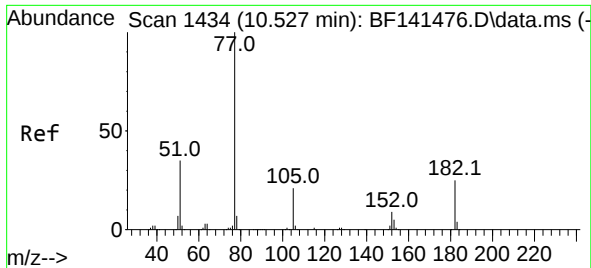
Tgt Ion:204 Resp: 274752
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 60.5 51.9 77.9



#62
4-Nitroaniline
Concen: 34.729 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:138 Resp: 108493
Ion Ratio Lower Upper
138 100
92 51.2 31.3 71.3
108 79.2 63.7 103.7

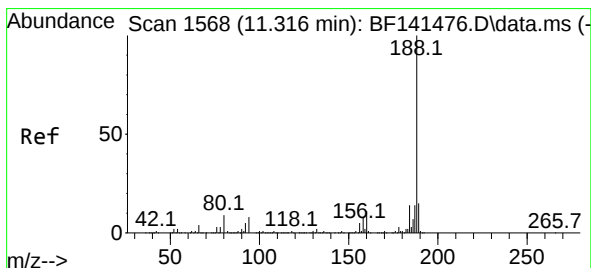
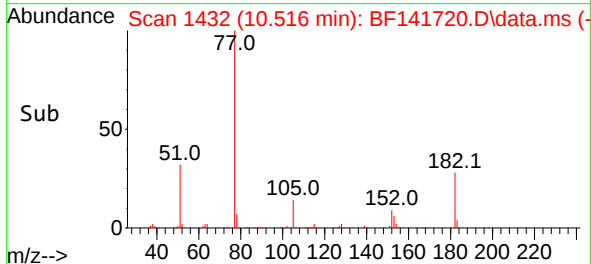
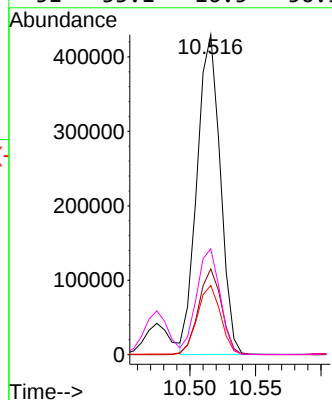
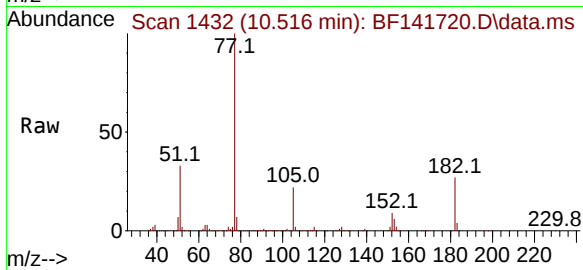




#63
Azobenzene
Concen: 41.453 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

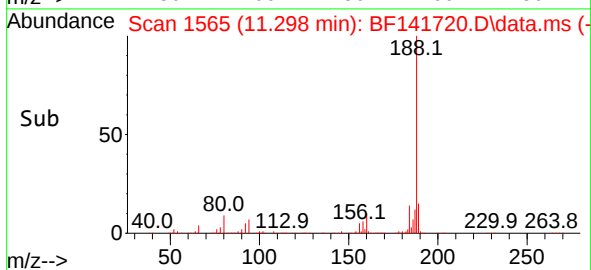
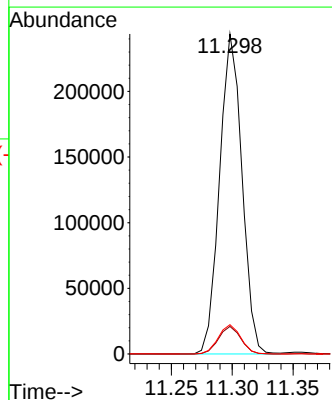
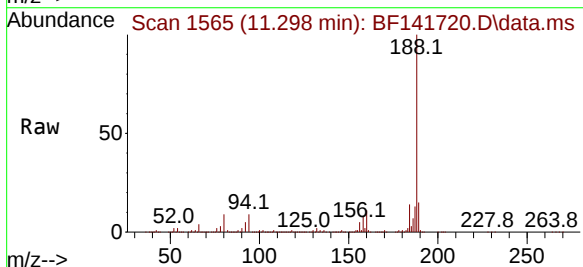
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

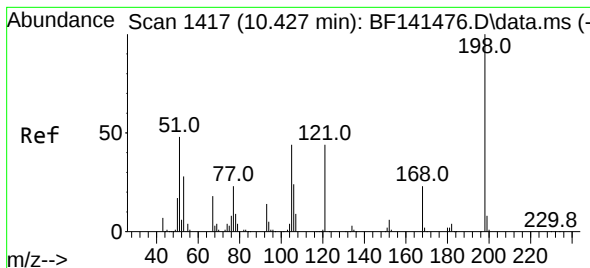
Tgt Ion:	77	Resp:	530163
Ion	Ratio	Lower	Upper
77	100		
182	26.8	4.7	44.7
105	21.6	0.4	40.4
51	33.1	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:	188	Resp:	312084
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9

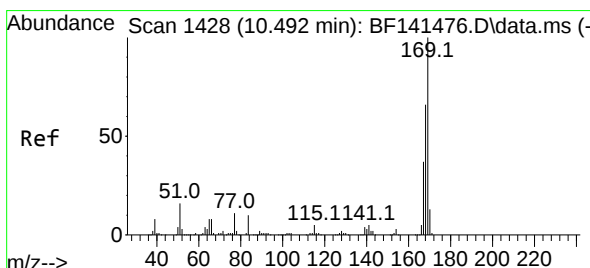
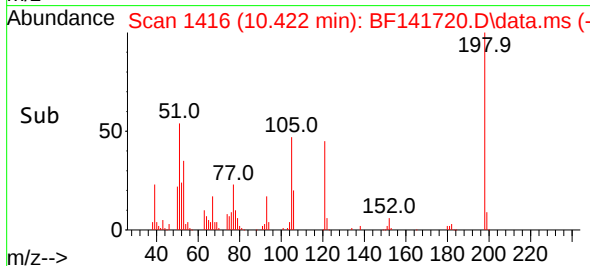
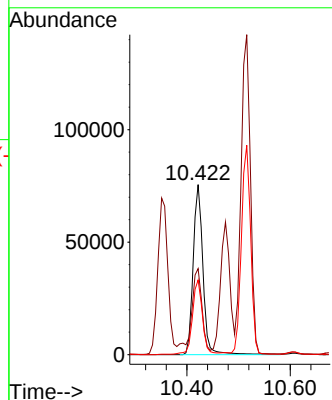
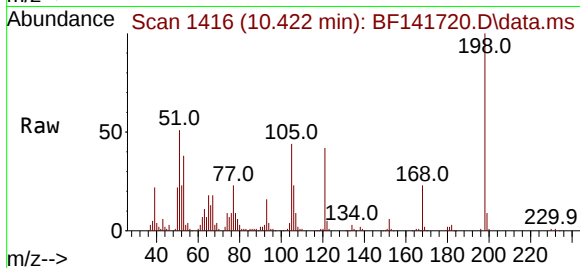




#65
4,6-Dinitro-2-methylphenol
Concen: 45.824 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

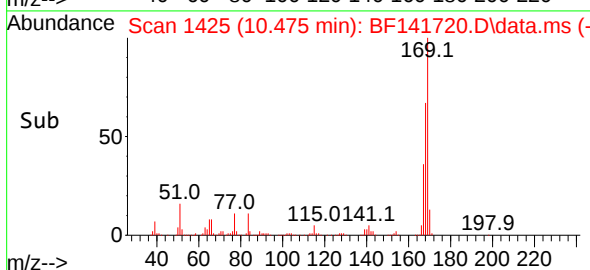
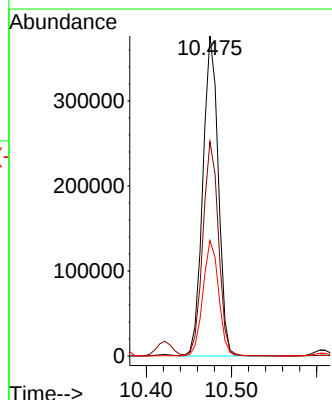
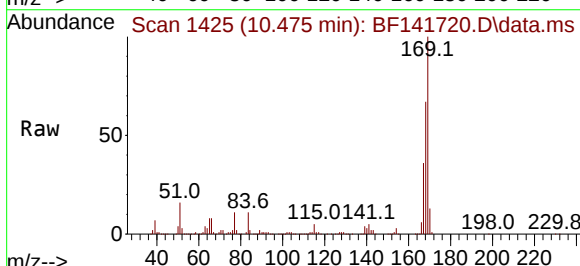
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

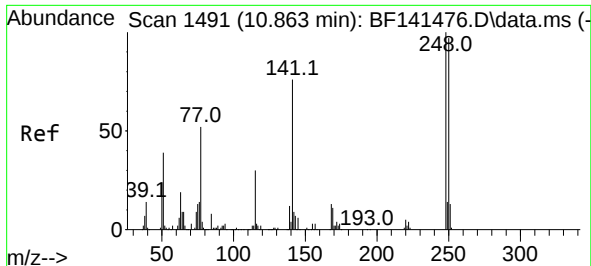
Tgt Ion:198 Resp: 99342
Ion Ratio Lower Upper
198 100
51 50.6 37.4 77.4
105 43.9 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 47.372 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:169 Resp: 473248
Ion Ratio Lower Upper
169 100
168 67.0 53.3 79.9
167 36.0 29.4 44.2

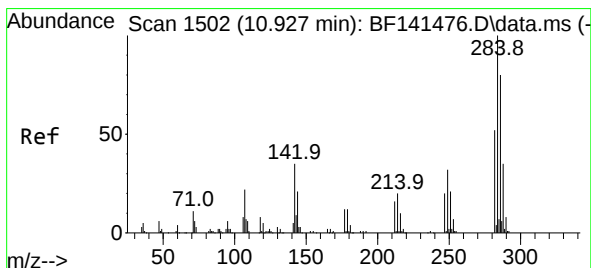
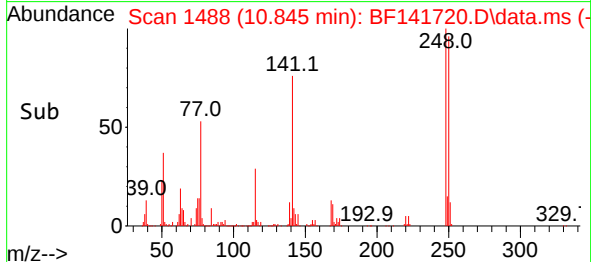
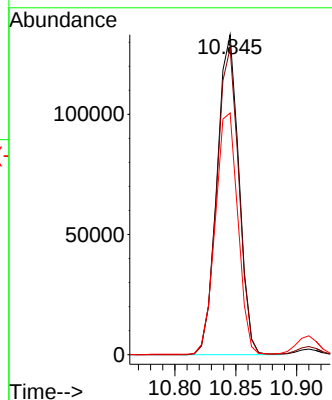
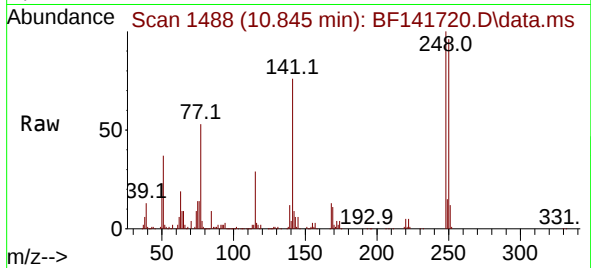




#67
4-Bromophenyl-phenylether
Concen: 47.789 ng
RT: 10.845 min Scan# 1491
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

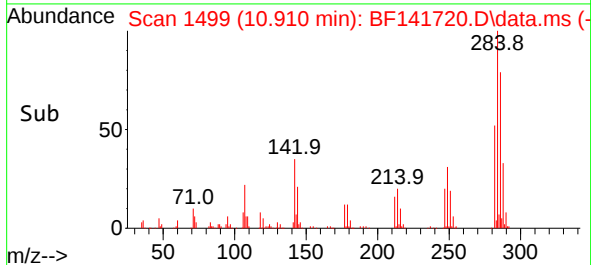
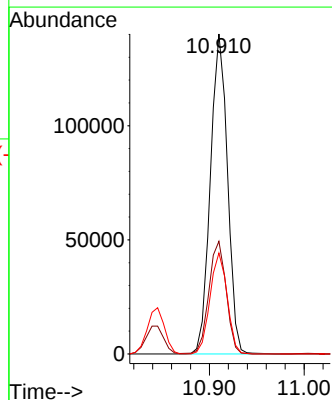
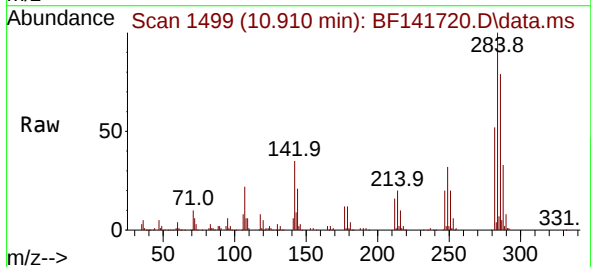
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

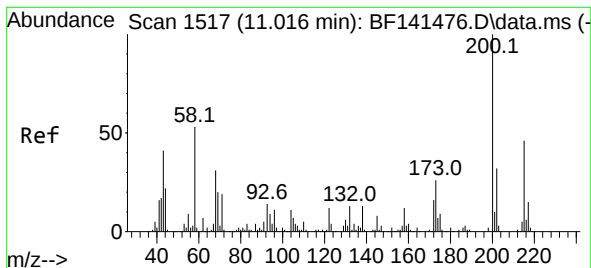
Tgt Ion:248 Resp: 166687
Ion Ratio Lower Upper
248 100
250 95.8 77.8 116.6
141 75.5 60.6 90.8



#68
Hexachlorobenzene
Concen: 48.884 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:284 Resp: 175574
Ion Ratio Lower Upper
284 100
142 35.2 28.0 42.0
249 31.6 25.8 38.8





#69

Atrazine

Concen: 52.796 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

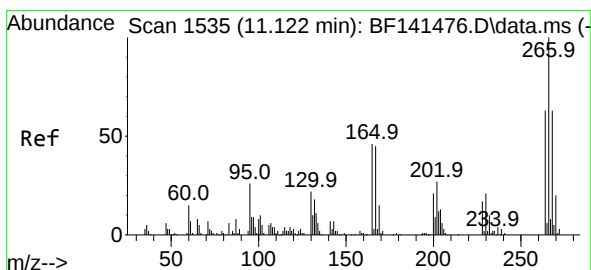
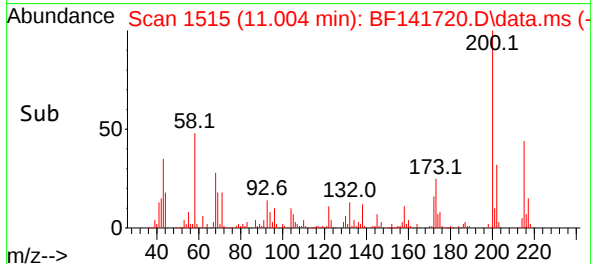
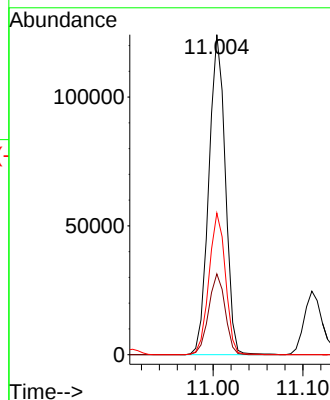
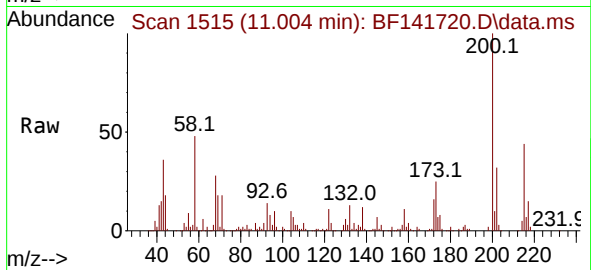
Tgt Ion:200 Resp: 158231

Ion Ratio Lower Upper

200 100

173 25.2 5.9 45.9

215 44.2 25.9 65.9



#70

Pentachlorophenol

Concen: 84.854 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

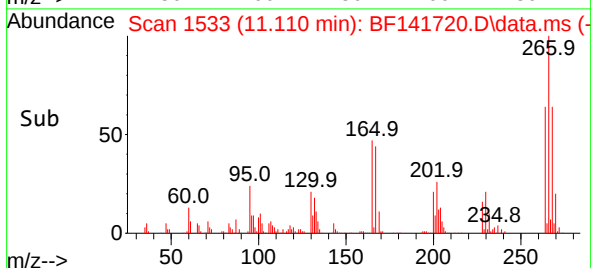
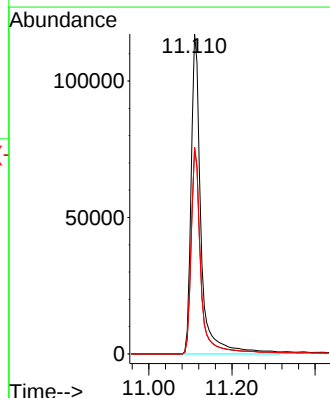
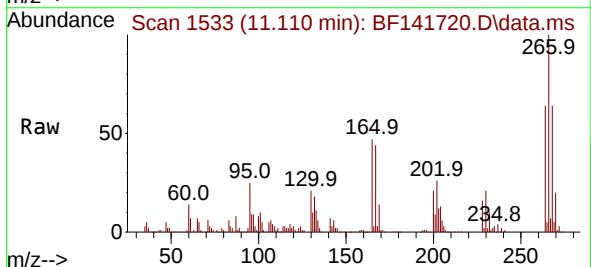
Tgt Ion:266 Resp: 194872

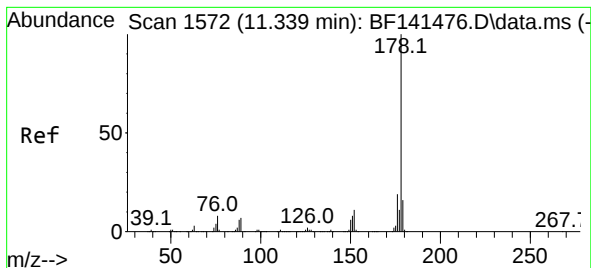
Ion Ratio Lower Upper

266 100

268 64.5 50.1 75.1

264 64.5 50.1 75.1





#71

Phenanthrene

Concen: 45.595 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

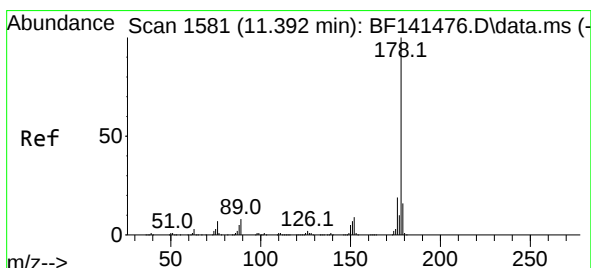
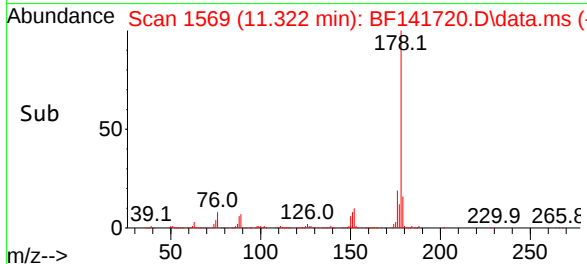
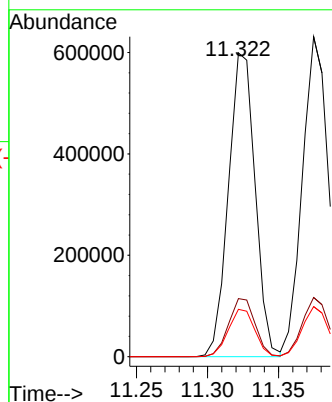
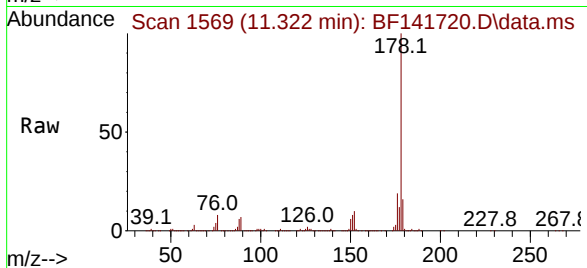
Tgt Ion:178 Resp: 783275

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.6 12.4 18.6



#72

Anthracene

Concen: 46.565 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

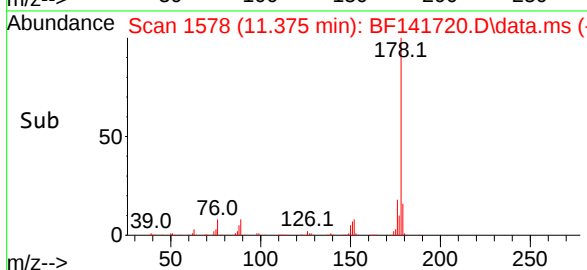
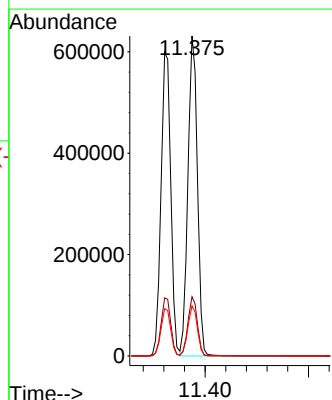
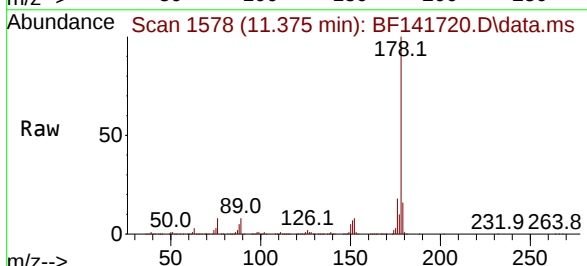
Tgt Ion:178 Resp: 804126

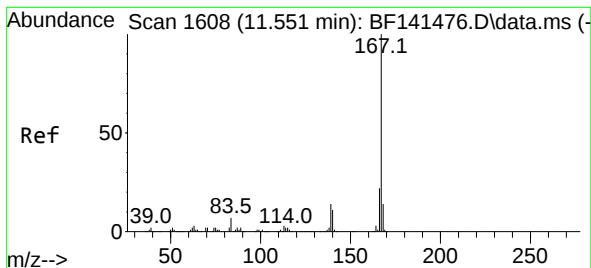
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.6 12.4 18.6





#73

Carbazole

Concen: 42.177 ng

RT: 11.533 min Scan# 1605

Delta R.T. -0.017 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

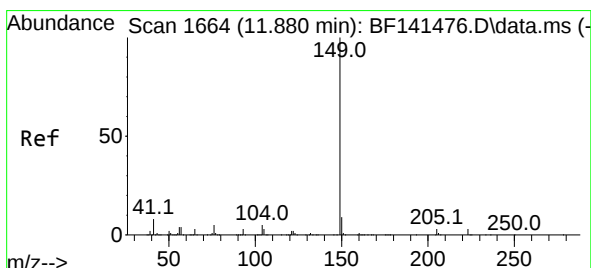
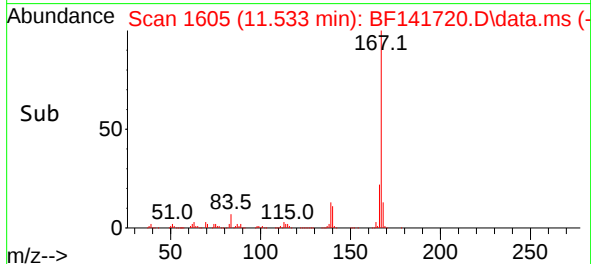
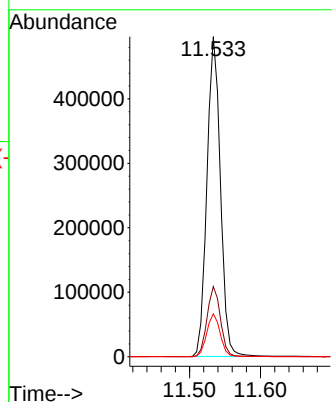
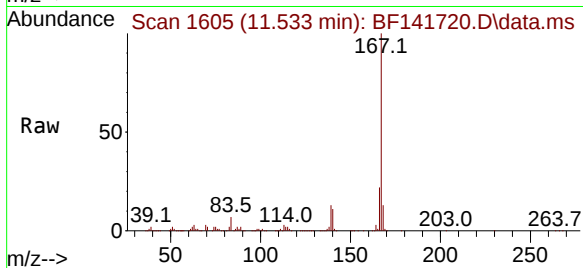
Tgt Ion:167 Resp: 655362

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 13.4 10.9 16.3



#74

Di-n-butylphthalate

Concen: 45.032 ng

RT: 11.857 min Scan# 1660

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

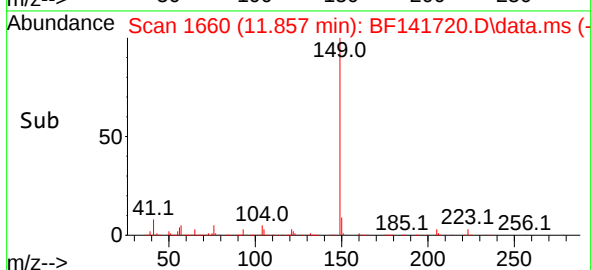
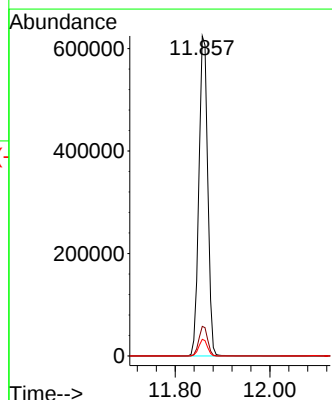
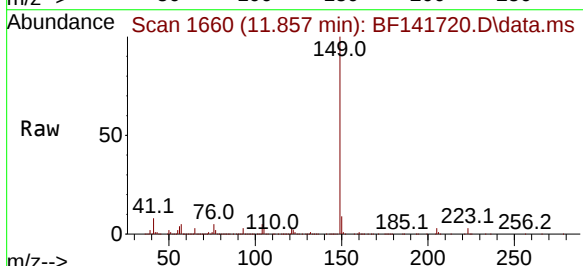
Tgt Ion:149 Resp: 807947

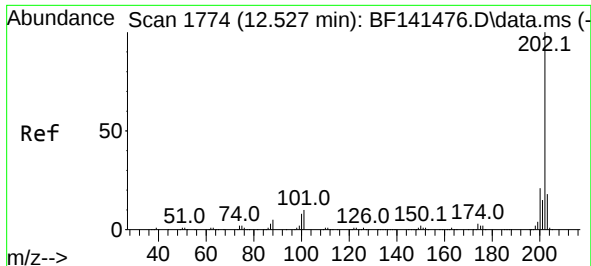
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

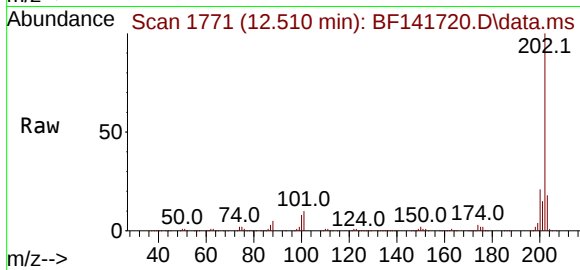
104 5.2 4.2 6.2



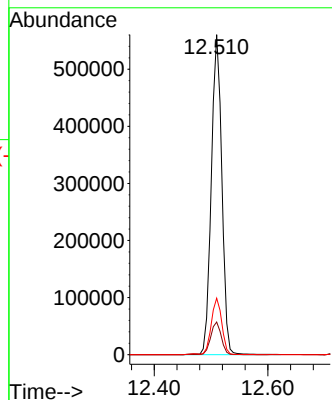
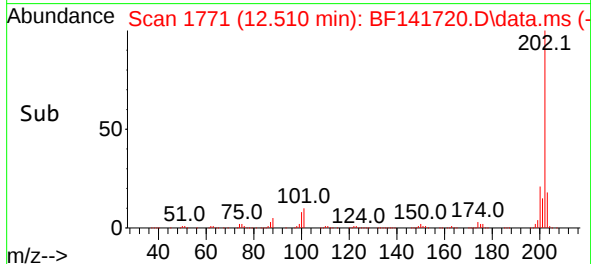


#75
Fluoranthene
Concen: 39.331 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

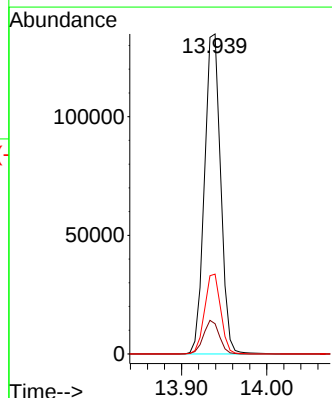
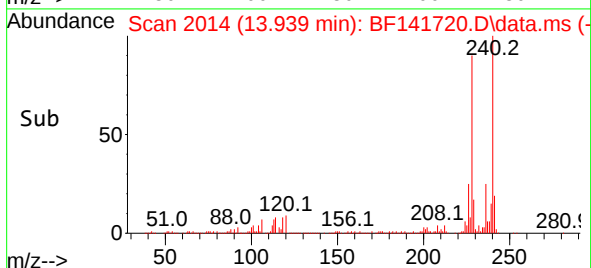
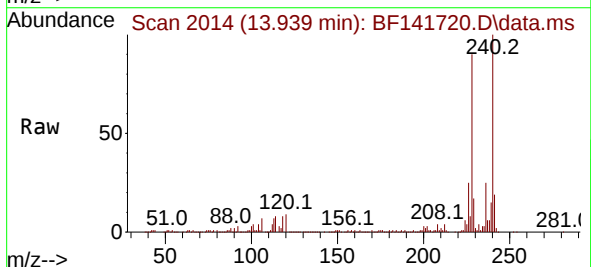


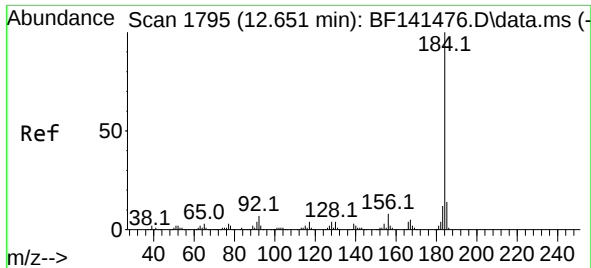
Tgt Ion:202 Resp: 716338
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:240 Resp: 177670
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 24.9 19.8 29.8

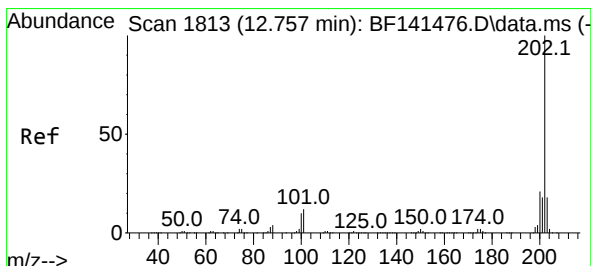
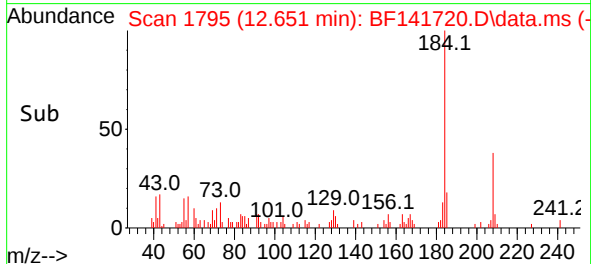
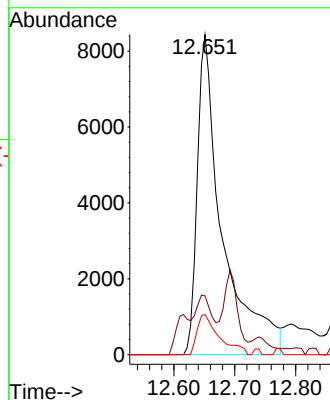
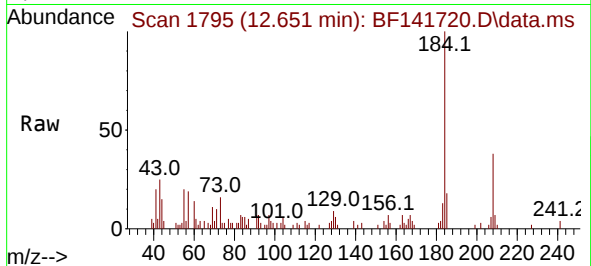




#77
Benzidine
Concen: 6.201 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

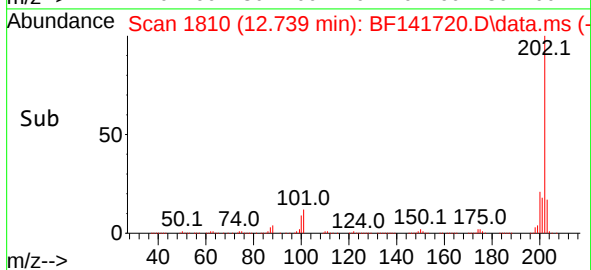
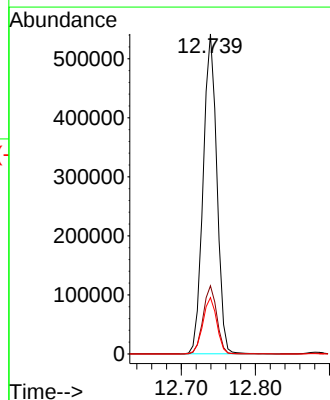
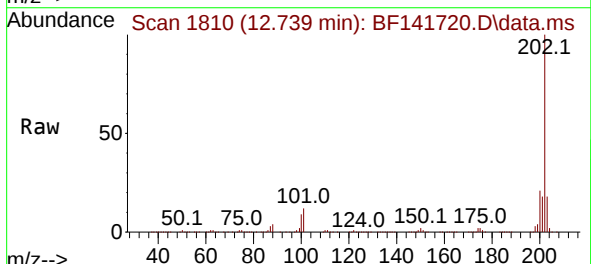
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:184 Resp: 24298
Ion Ratio Lower Upper
184 100
185 18.4 11.3 16.9#
183 12.6 9.3 13.9



#78
Pyrene
Concen: 46.217 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

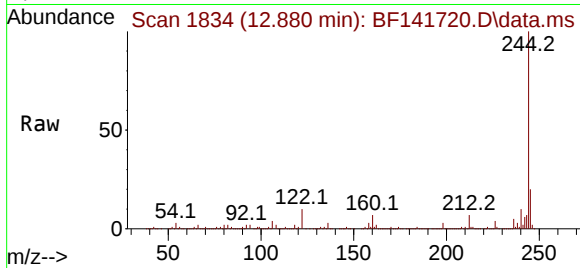
Tgt Ion:202 Resp: 699017
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.6 14.3 21.5



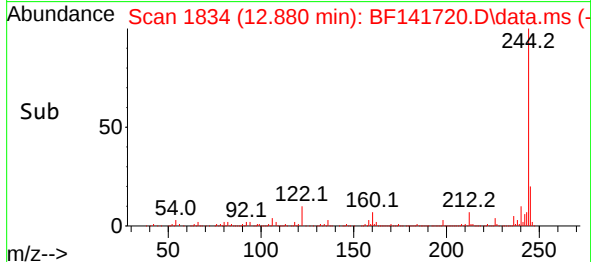
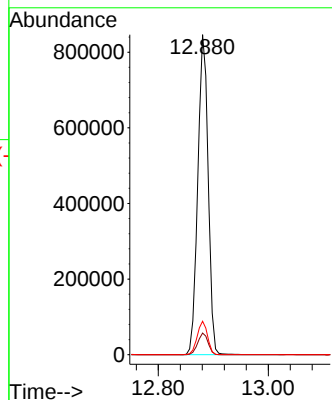


#79
 Terphenyl-d14
 Concen: 105.271 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

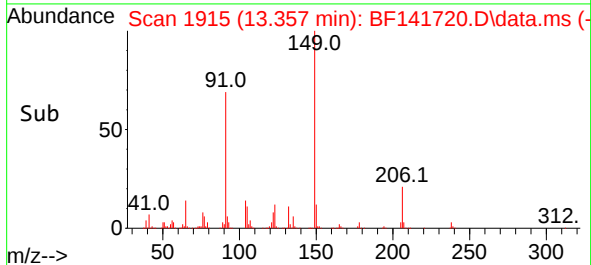
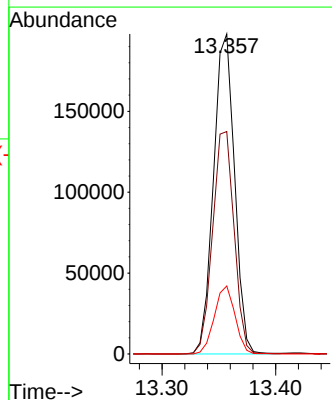
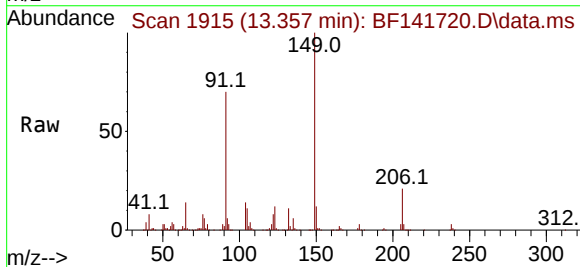


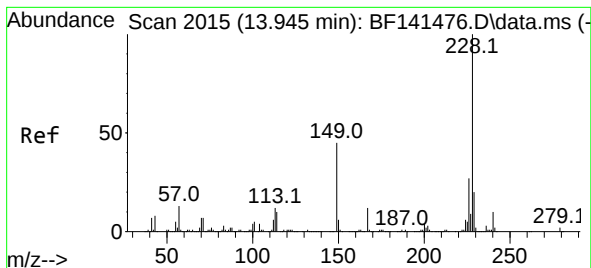
Tgt Ion:244 Resp: 1107917
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.5 8.4 12.6



#80
 Butylbenzylphthalate
 Concen: 48.683 ng
 RT: 13.357 min Scan# 1915
 Delta R.T. -0.023 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

Tgt Ion:149 Resp: 255036
 Ion Ratio Lower Upper
 149 100
 91 69.5 57.8 86.8
 206 21.2 16.7 25.1





#81

Benzo(a)anthracene

Concen: 46.967 ng

RT: 13.927 min Scan# 2015

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

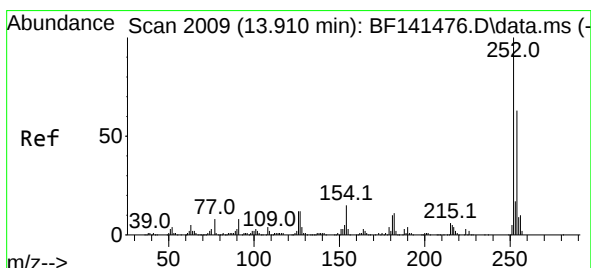
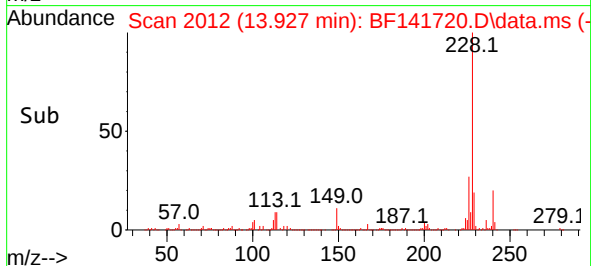
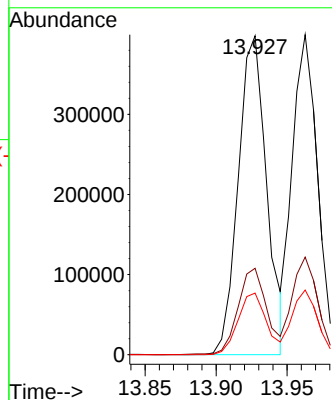
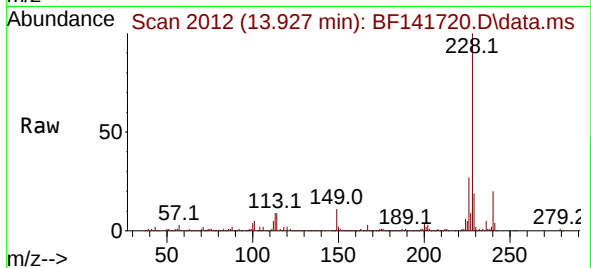
Tgt Ion:228 Resp: 554695

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 19.3 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 22.096 ng

RT: 13.892 min Scan# 2006

Delta R.T. -0.023 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

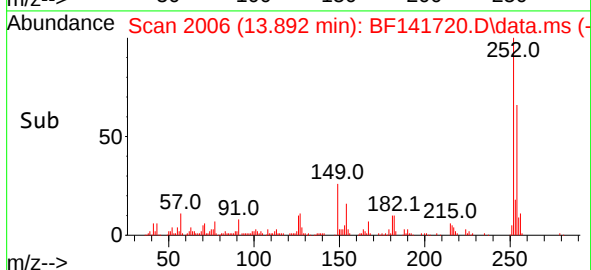
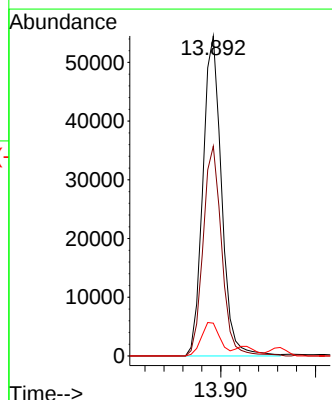
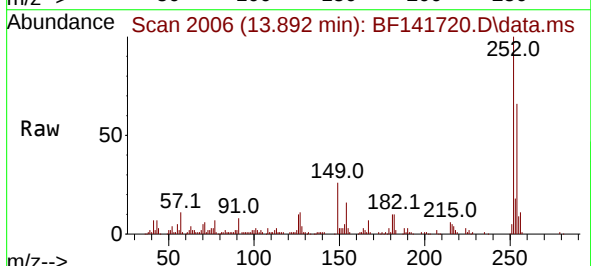
Tgt Ion:252 Resp: 74752

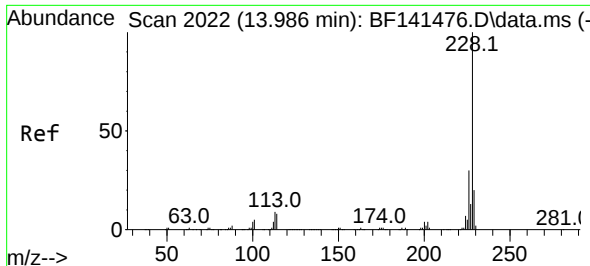
Ion Ratio Lower Upper

252 100

254 65.6 50.6 76.0

126 10.3 9.3 13.9

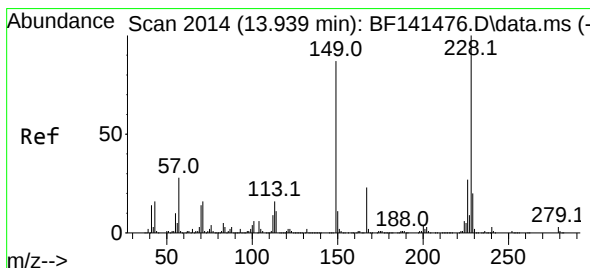
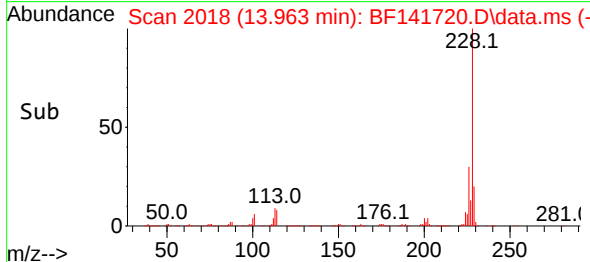
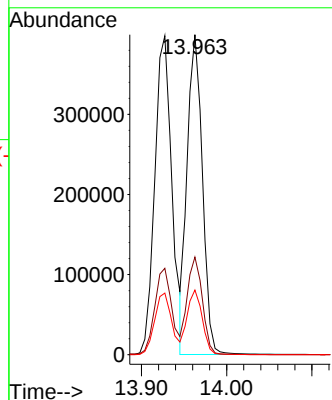
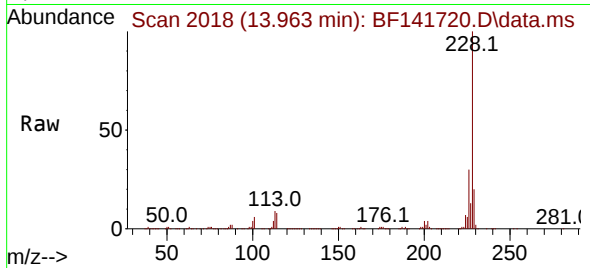




#83
Chrysene
Concen: 45.492 ng
RT: 13.963 min Scan# 2009
Delta R.T. -0.029 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

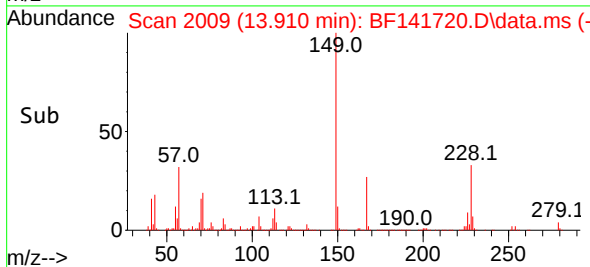
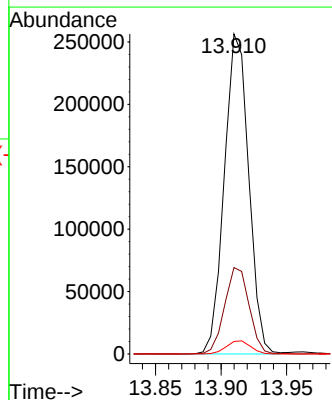
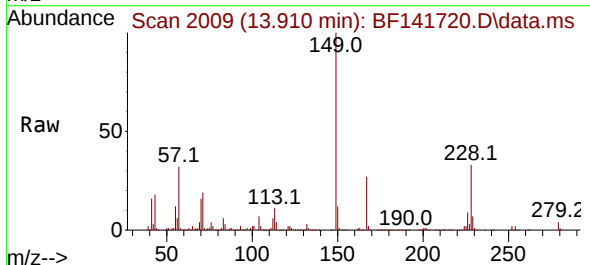
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

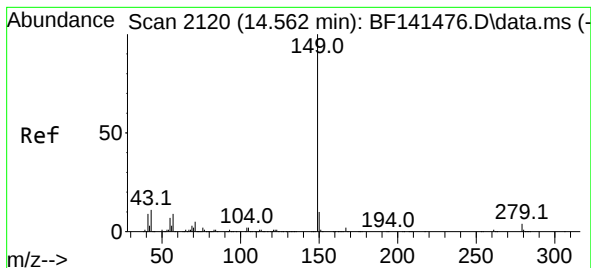
Tgt Ion:228 Resp: 496095
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.2 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 56.086 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.029 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:149 Resp: 331380
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 65.553 ng

RT: 14.522 min Scan# 2113

Delta R.T. -0.041 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

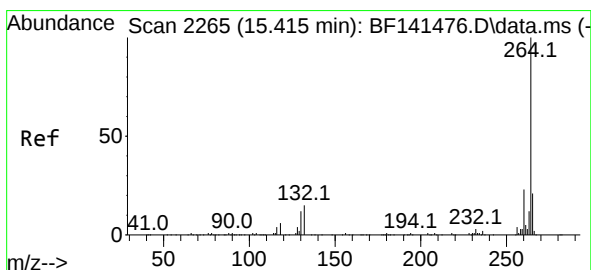
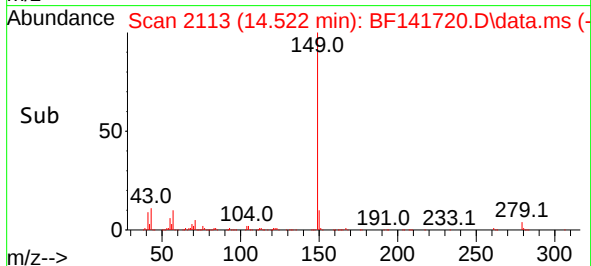
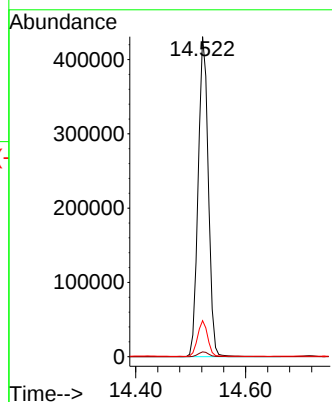
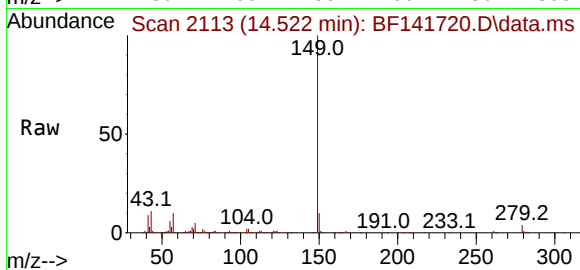
Tgt Ion:149 Resp: 552534

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.0 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

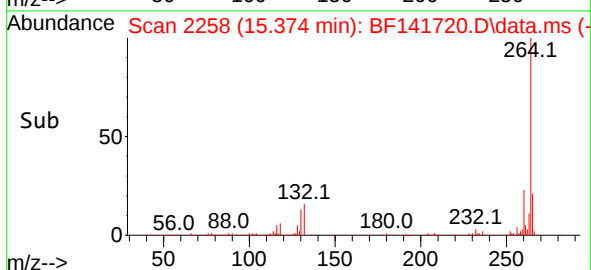
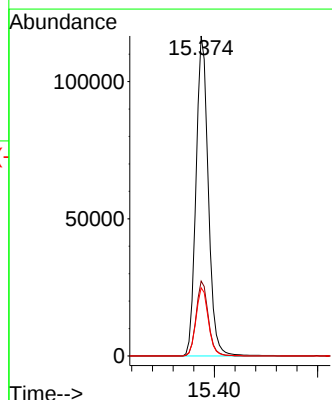
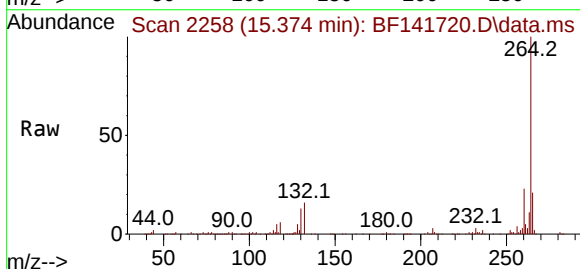
Tgt Ion:264 Resp: 192345

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.3 17.0 25.4

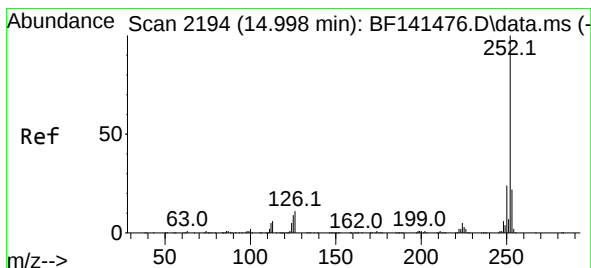
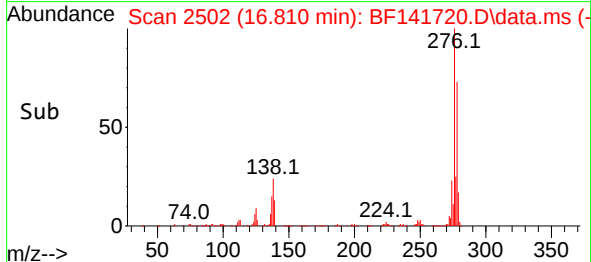
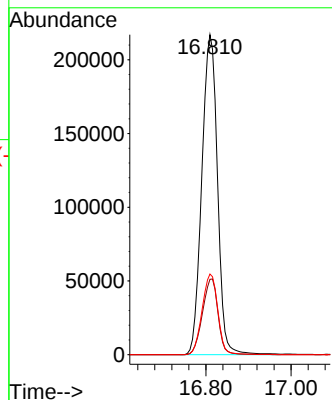
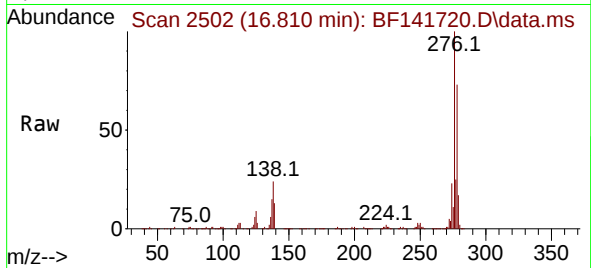




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 46.574 ng
 RT: 16.810 min Scan# 2188
 Delta R.T. -0.064 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

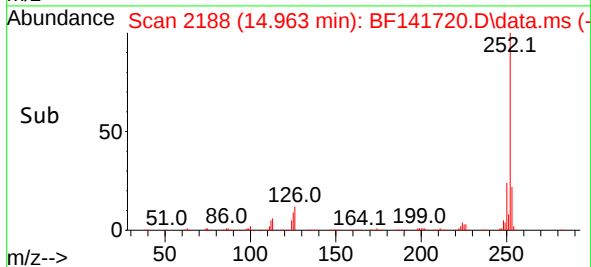
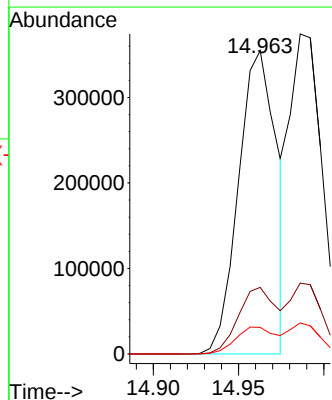
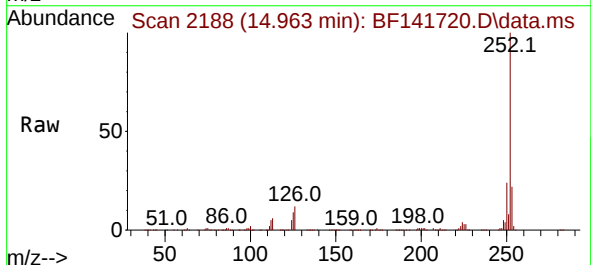
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

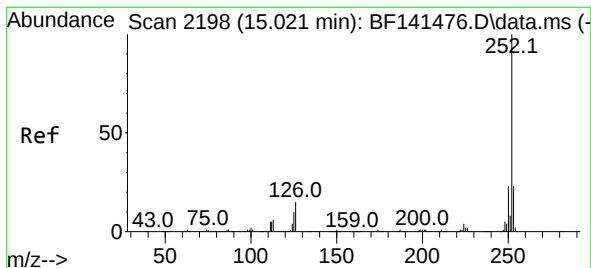
Tgt Ion:276 Resp: 553527
 Ion Ratio Lower Upper
 276 100
 138 23.5 18.0 27.0
 277 25.2 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 42.631 ng
 RT: 14.963 min Scan# 2188
 Delta R.T. -0.041 min
 Lab File: BF141720.D
 Acq: 21 Feb 2025 15:17

Tgt Ion:252 Resp: 550577
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 8.8 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 45.535 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.047 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

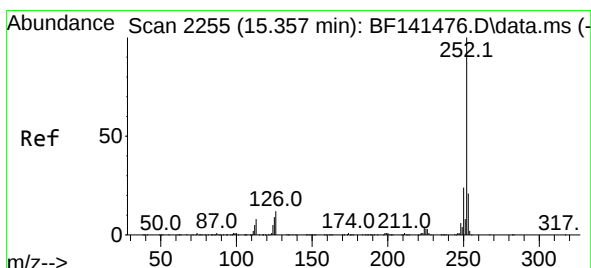
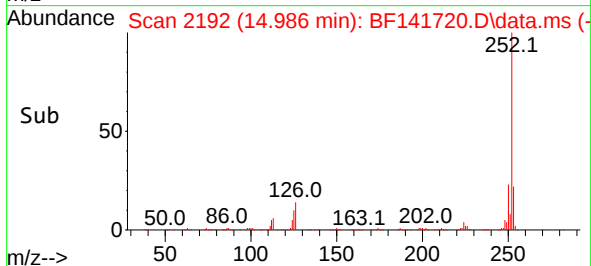
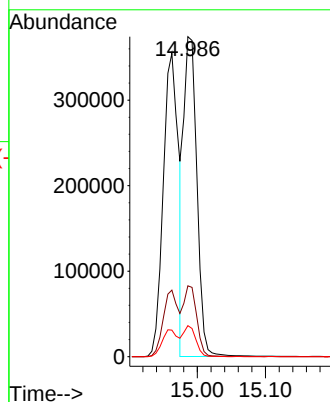
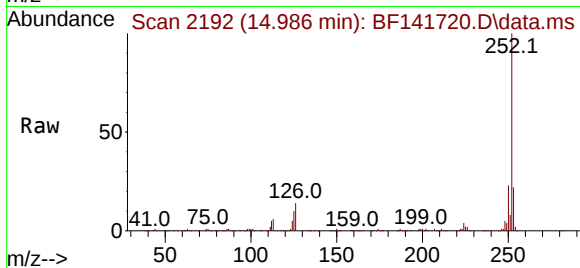
Tgt Ion:252 Resp: 502171

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 9.7 7.4 11.0



#90

Benzo(a)pyrene

Concen: 48.741 ng

RT: 15.316 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141720.D

Acq: 21 Feb 2025 15:17

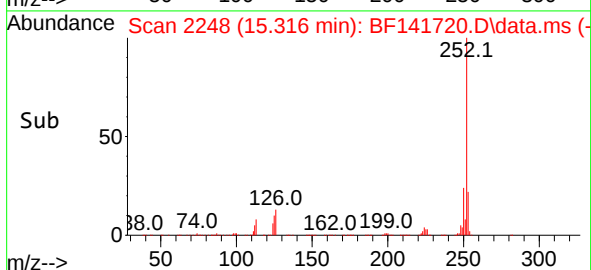
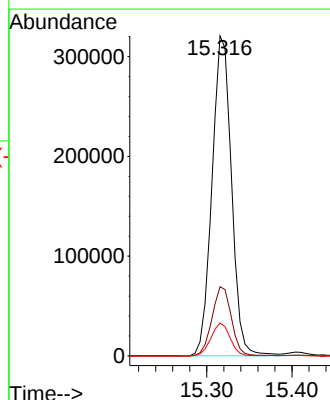
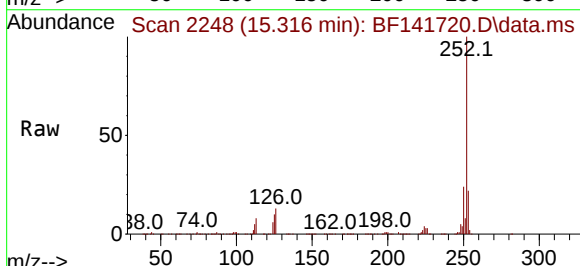
Tgt Ion:252 Resp: 509369

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 10.3 7.4 11.2

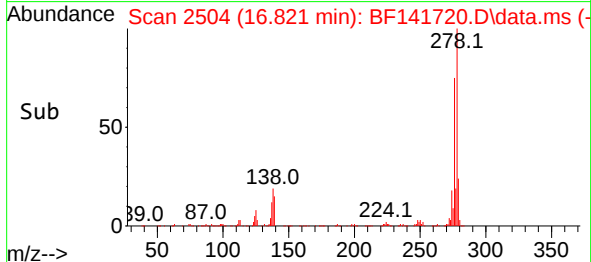
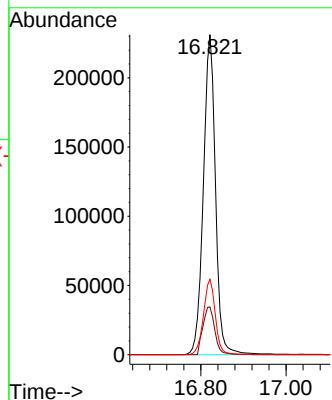
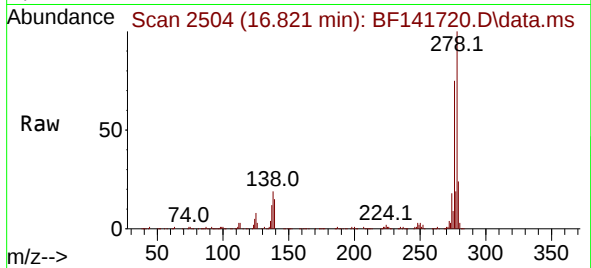




#91
Dibenzo(a,h)anthracene
Concen: 47.408 ng
RT: 16.821 min Scan# 2504
Delta R.T. -0.070 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tgt Ion:278 Resp: 456540
Ion Ratio Lower Upper
278 100
139 15.0 11.8 17.6
279 23.5 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 40.209 ng
RT: 17.239 min Scan# 2575
Delta R.T. -0.076 min
Lab File: BF141720.D
Acq: 21 Feb 2025 15:17

Tgt Ion:276 Resp: 405204
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 20.0 15.9 23.9

