

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141721.D
 Acq On : 21 Feb 2025 15:47
 Operator : RC/JU
 Sample : Q1393-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Quant Time: Feb 21 16:06:44 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	90376	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	362086	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	197579	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	313720	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	181154	20.000	ng	-0.02
86) Perylene-d12	15.374	264	189452	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	781946	135.643	ng	0.01
7) Phenol-d6	6.428	99	905797	124.318	ng	-0.01
23) Nitrobenzene-d5	7.345	82	679701	97.910	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	292329	147.286	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1291463	100.703	ng	-0.01
79) Terphenyl-d14	12.880	244	1176848	109.670	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	92938	40.057	ng	# 80
3) Pyridine	3.399	79	168300	30.483	ng	93
4) n-Nitrosodimethylamine	3.304	42	140275	38.370	ng	89
6) Aniline	6.451	93	56913	8.327	ng	# 1
8) 2-Chlorophenol	6.575	128	279384	44.852	ng	98
9) Benzaldehyde	6.334	77	56919	14.701	ng	99
10) Phenol	6.440	94	287467	37.907	ng	81
11) bis(2-Chloroethyl)ether	6.516	93	257476	45.203	ng	99
12) 1,3-Dichlorobenzene	6.722	146	268609	40.846	ng	97
13) 1,4-Dichlorobenzene	6.798	146	276046	41.085	ng	98
14) 1,2-Dichlorobenzene	6.945	146	268582	43.070	ng	99
15) Benzyl Alcohol	6.934	79	229272	41.034	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.057	45	397722	40.790	ng	63
17) 2-Methylphenol	7.051	107	221279	45.395	ng	# 90
18) Hexachloroethane	7.287	117	102521	41.230	ng	98
19) n-Nitroso-di-n-propyla...	7.198	70	200283	45.955	ng	94
20) 3+4-Methylphenols	7.204	107	288379	46.551	ng	# 78
22) Acetophenone	7.192	105	439166	48.758	ng	92
24) Nitrobenzene	7.363	77	292897	43.268	ng	99
25) Isophorone	7.604	82	535287	48.359	ng	98
26) 2-Nitrophenol	7.681	139	155372	46.133	ng	94
27) 2,4-Dimethylphenol	7.722	122	234523	59.608	ng	99
28) bis(2-Chloroethoxy)met...	7.810	93	332775	46.918	ng	99
29) 2,4-Dichlorophenol	7.934	162	248070	46.665	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	254427	43.951	ng	100
31) Naphthalene	8.081	128	822064	43.616	ng	100
32) Benzoic acid	7.875	122	182823	44.736	ng	98
33) 4-Chloroaniline	8.151	127	24373	3.704	ng	97
34) Hexachlorobutadiene	8.198	225	152920	44.002	ng	99
35) Caprolactam	8.516	113	48601	30.027	ng	91
36) 4-Chloro-3-methylphenol	8.633	107	261751	44.451	ng	98
37) 2-Methylnaphthalene	8.775	142	532128	43.386	ng	100
38) 1-Methylnaphthalene	8.875	142	519669	43.747	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	288834	50.529	ng	99
41) Hexachlorocyclopentadiene	8.922	237	284874	149.835	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	172722	46.752	ng	100

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 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)
44) 2,4,5-Trichlorophenol	9.110	196	186253	46.518	ng	98
46) 1,1'-Biphenyl	9.239	154	786806	51.365	ng	100
47) 2-Chloronaphthalene	9.263	162	530670	46.849	ng	99
48) 2-Nitroaniline	9.363	65	163058	42.894	ng	98
49) Acenaphthylene	9.675	152	817165	48.503	ng	100
50) Dimethylphthalate	9.539	163	656700	48.959	ng	99
51) 2,6-Dinitrotoluene	9.604	165	138640	47.282	ng	98
52) Acenaphthene	9.845	154	515763	45.535	ng	99
53) 3-Nitroaniline	9.775	138	25265	8.006	ng	96
54) 2,4-Dinitrophenol	9.892	184	179706	103.120	ng	92
55) Dibenzofuran	10.022	168	733030	44.091	ng	99
56) 4-Nitrophenol	9.957	139	161371	68.881	ng	95
57) 2,4-Dinitrotoluene	10.010	165	183025	46.888	ng	99
58) Fluorene	10.363	166	585632	45.558	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	160579	46.583	ng	96
60) Diethylphthalate	10.239	149	611413	46.330	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	289191	46.762	ng	97
62) 4-Nitroaniline	10.392	138	105428	32.899	ng	97
63) Azobenzene	10.516	77	569700	43.424	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	109429	50.214	ng	94
66) n-Nitrosodiphenylamine	10.475	169	463602	46.164	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	175714	50.115	ng	97
68) Hexachlorobenzene	10.910	284	185150	51.281	ng	98
69) Atrazine	11.004	200	135234	44.887	ng	99
70) Pentachlorophenol	11.110	266	206659	89.517	ng	100
71) Phenanthrene	11.327	178	841233	48.714	ng	100
72) Anthracene	11.374	178	852683	49.119	ng	100
73) Carbazole	11.533	167	643782	41.216	ng	100
74) Di-n-butylphthalate	11.857	149	858118	47.579	ng	99
75) Fluoranthene	12.510	202	760491	41.538	ng	100
77) Benzidine	12.651	184	20466	5.123	ng	# 88
78) Pyrene	12.739	202	749809	48.622	ng	99
80) Butylbenzylphthalate	13.357	149	277617	51.974	ng	99
81) Benzo(a)anthracene	13.927	228	590942	49.074	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	35195	10.203	ng	97
83) Chrysene	13.963	228	538654	48.445	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	361469	60.002	ng	100
85) Di-n-octyl phthalate	14.521	149	599908	69.804	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	570566	48.741	ng	98
88) Benzo(b)fluoranthene	14.962	252	572971	45.042	ng	99
89) Benzo(k)fluoranthene	14.992	252	557469	51.321	ng	98
90) Benzo(a)pyrene	15.315	252	536840	52.155	ng	98
91) Dibenzo(a,h)anthracene	16.821	278	473288	49.897	ng	98
92) Benzo(g,h,i)perylene	17.239	276	416705	41.981	ng	100

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

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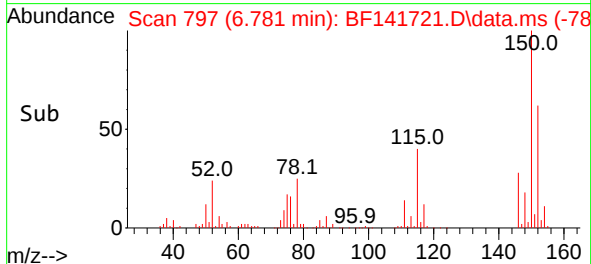
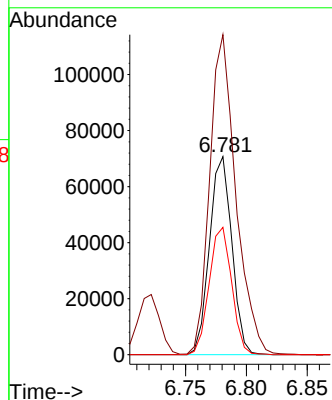
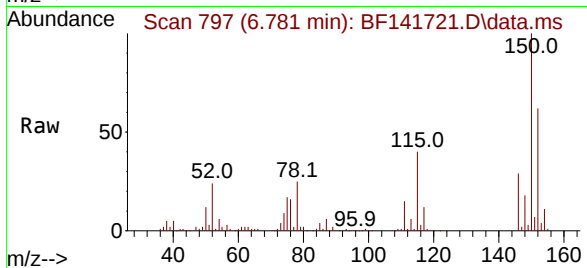




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141721.D
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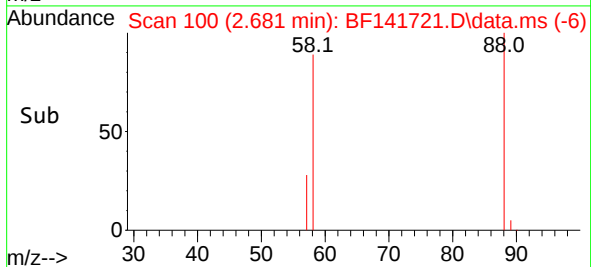
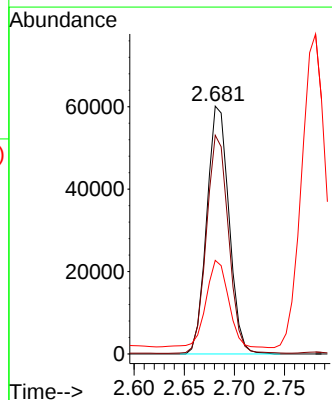
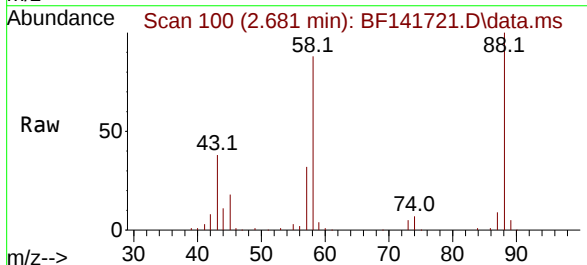
Instrument :
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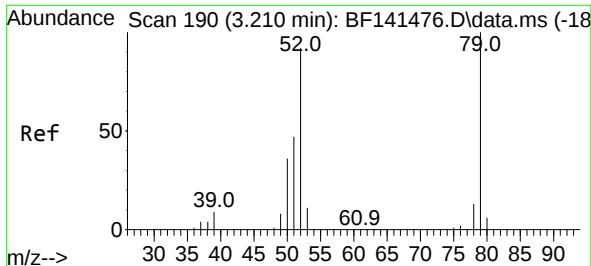
Tgt Ion:152 Resp: 90376
 Ion Ratio Lower Upper
 152 100
 150 161.5 125.0 187.4
 115 64.3 53.6 80.4



#2
 1,4-Dioxane
 Concen: 40.057 ng
 RT: 2.681 min Scan# 100
 Delta R.T. 0.200 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

Tgt Ion: 88 Resp: 92938
 Ion Ratio Lower Upper
 88 100
 58 87.2 71.1 106.7
 43 0.0 30.6 46.0#

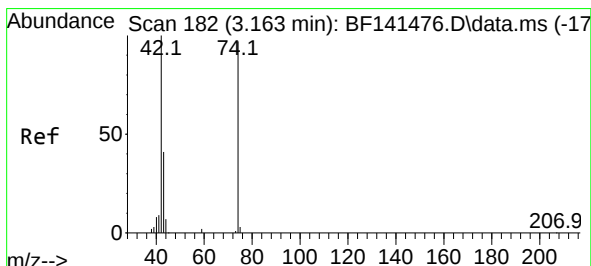
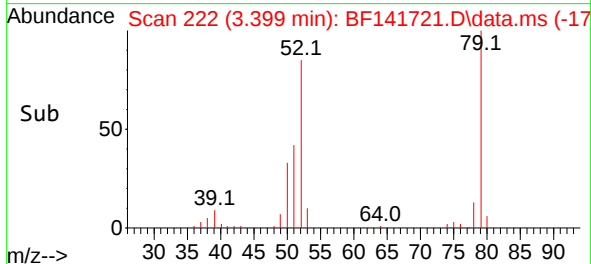
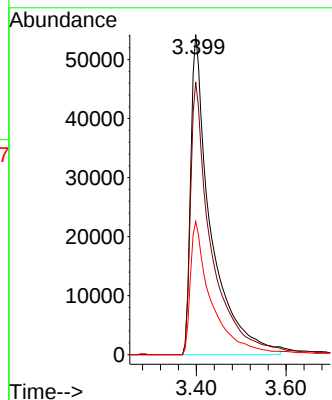
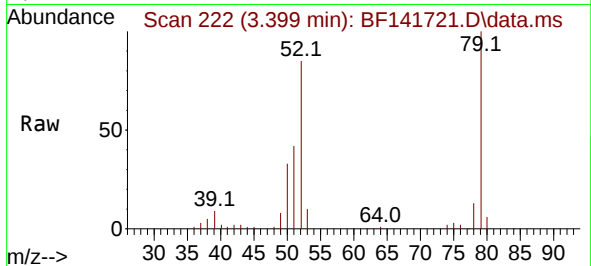




#3
Pyridine
Concen: 30.483 ng
RT: 3.399 min Scan# 21
Delta R.T. 0.182 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

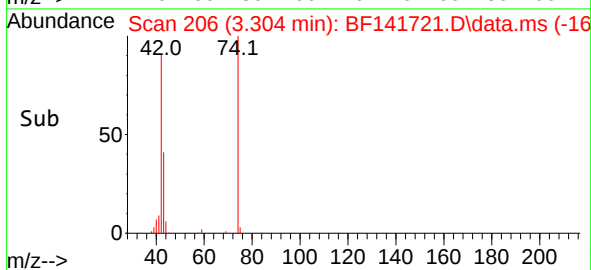
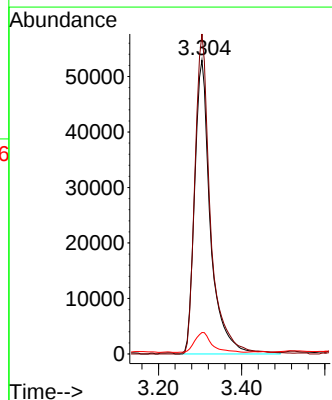
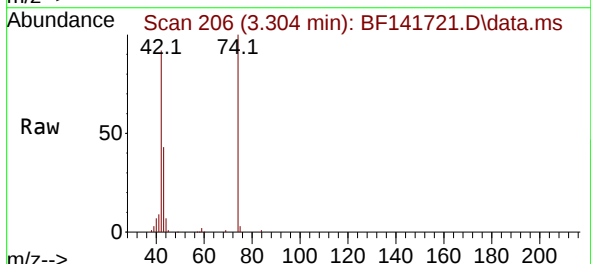
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 79 Resp: 168300
Ion Ratio Lower Upper
79 100
52 85.3 73.7 110.5
51 41.6 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 38.370 ng
RT: 3.304 min Scan# 206
Delta R.T. 0.118 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 42 Resp: 140275
Ion Ratio Lower Upper
42 100
74 108.9 78.0 117.0
44 7.3 5.4 8.2

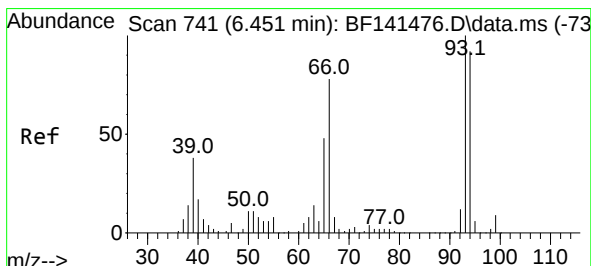
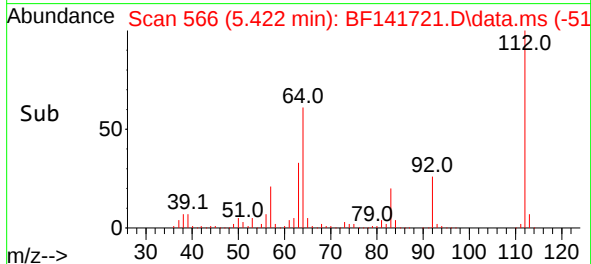
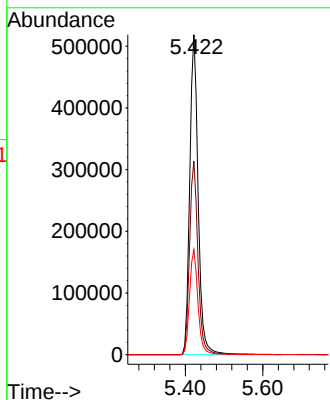
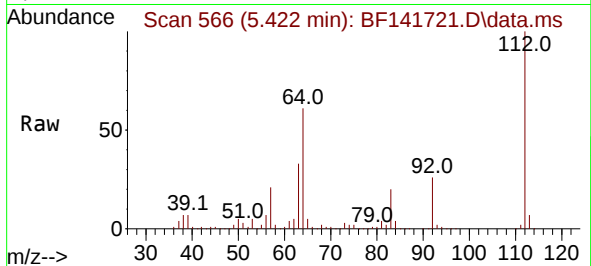




#5
2-Fluorophenol
Concen: 135.643 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

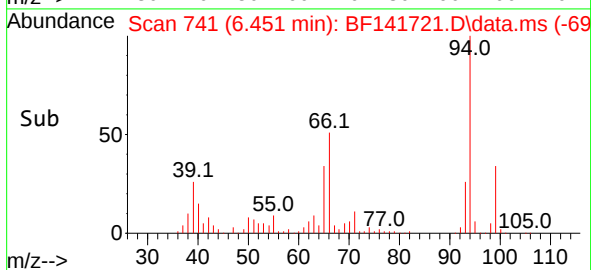
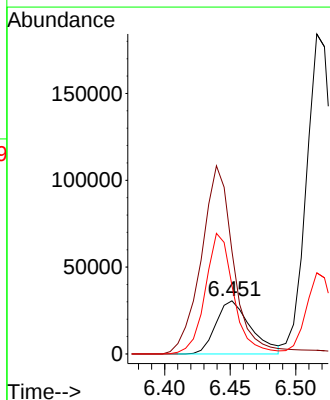
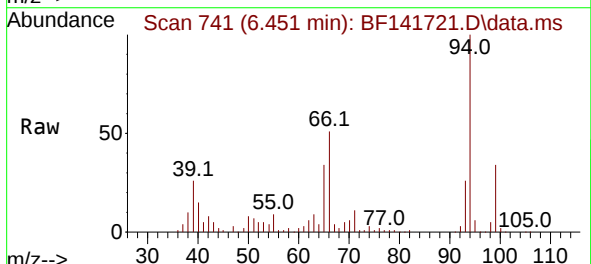
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:112 Resp: 781946
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 32.8 28.4 42.6



#6
Aniline
Concen: 8.327 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 93 Resp: 56913
Ion Ratio Lower Upper
93 100
66 193.1 62.6 94.0#
65 128.6 38.3 57.5#

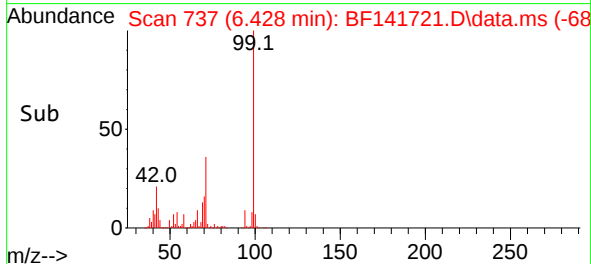
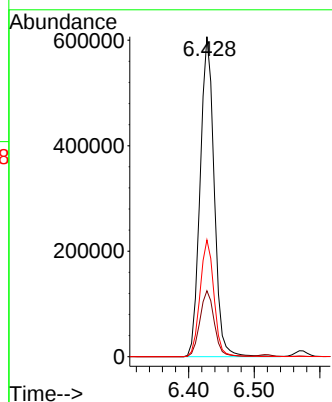
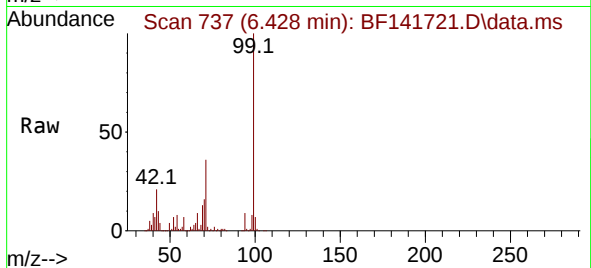




#7
Phenol-d6
Concen: 124.318 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

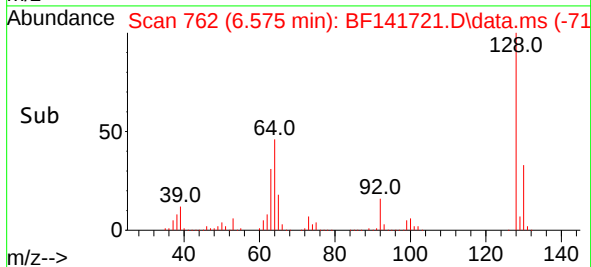
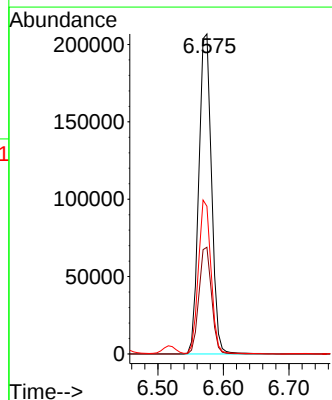
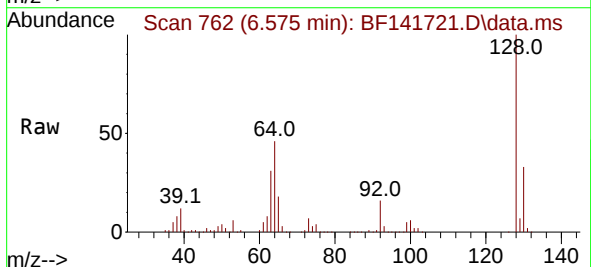
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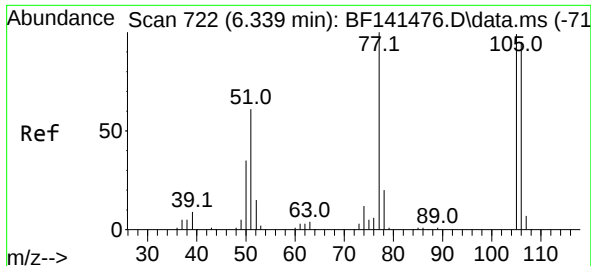
Tgt Ion: 99 Resp: 905797
Ion Ratio Lower Upper
99 100
42 20.6 19.1 28.7
71 36.5 31.1 46.7



#8
2-Chlorophenol
Concen: 44.852 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:128 Resp: 279384
Ion Ratio Lower Upper
128 100
130 33.3 12.7 52.7
64 46.2 28.3 68.3

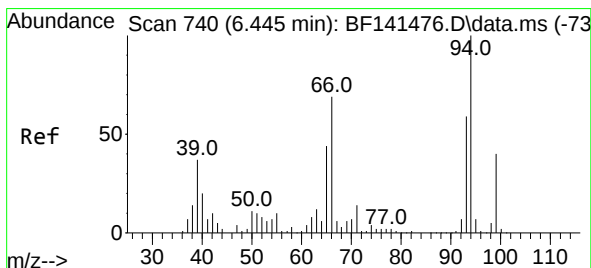
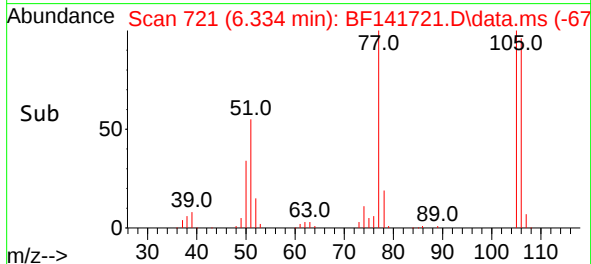
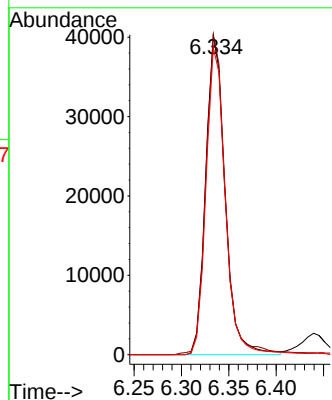
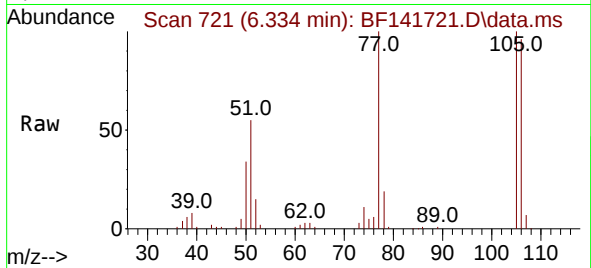




#9
Benzaldehyde
Concen: 14.701 ng
RT: 6.334 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

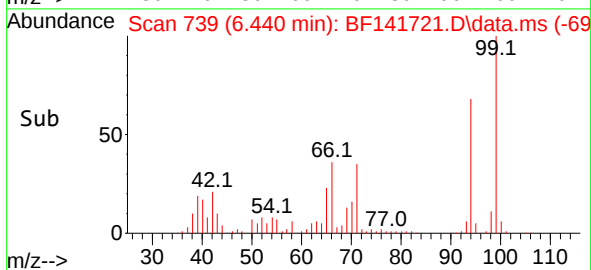
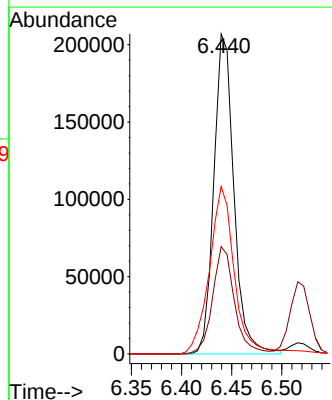
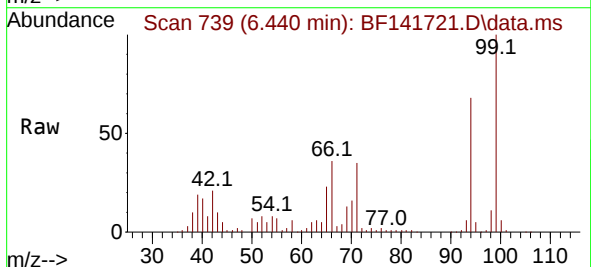
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Tgt Ion: 77 Resp: 56919
Ion Ratio Lower Upper
77 100
105 100.2 79.4 119.4
106 96.2 75.1 115.1



#10
Phenol
Concen: 37.907 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 94 Resp: 287467
Ion Ratio Lower Upper
94 100
65 33.5 23.7 63.7
66 52.3 49.3 89.3

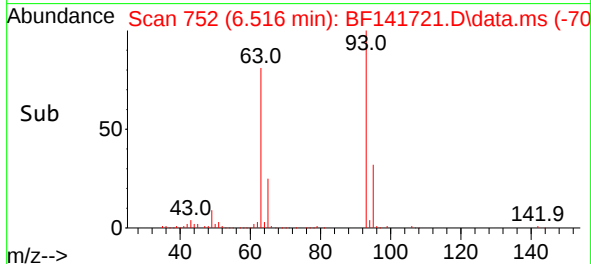
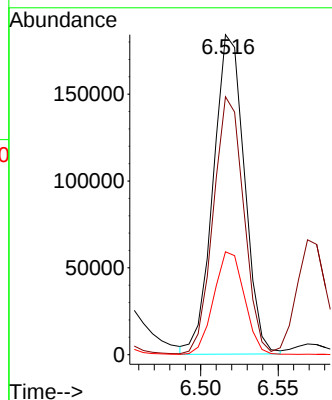
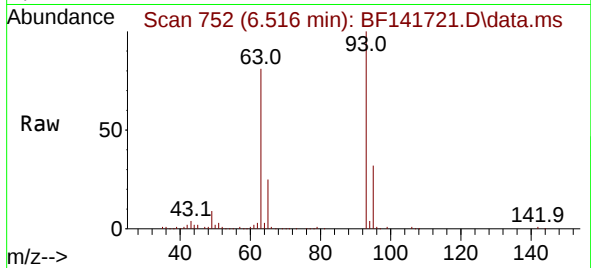




#11
bis(2-Chloroethyl)ether
Concen: 45.203 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
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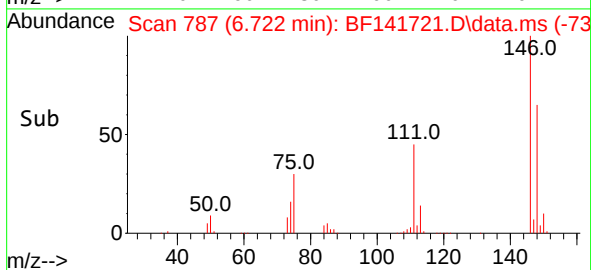
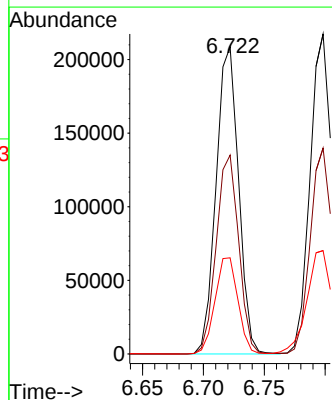
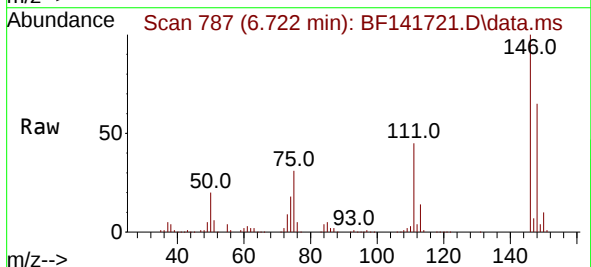
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion: 93 Resp: 257476
Ion Ratio Lower Upper
93 100
63 80.6 62.0 102.0
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.846 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:146 Resp: 268609
Ion Ratio Lower Upper
146 100
148 64.7 51.9 77.9
75 31.3 28.2 42.2

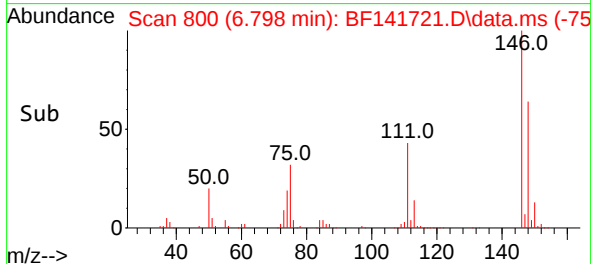
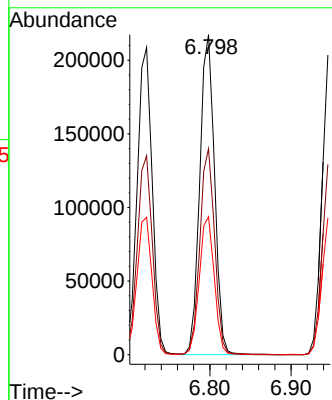
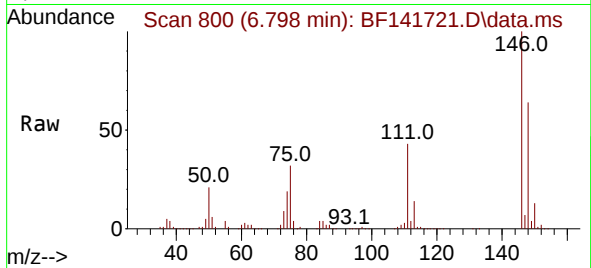




#13
1,4-Dichlorobenzene
Concen: 41.085 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

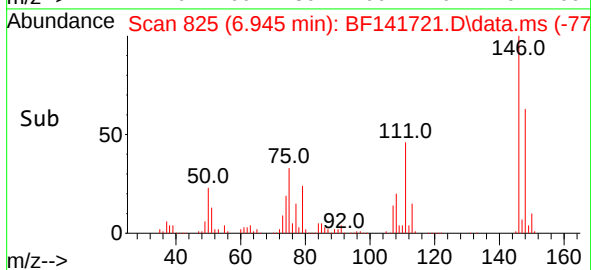
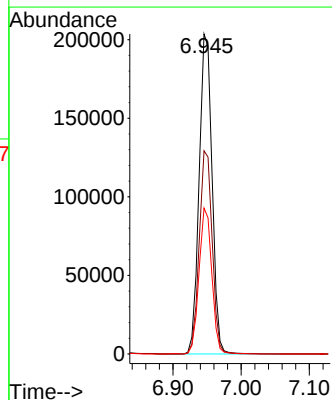
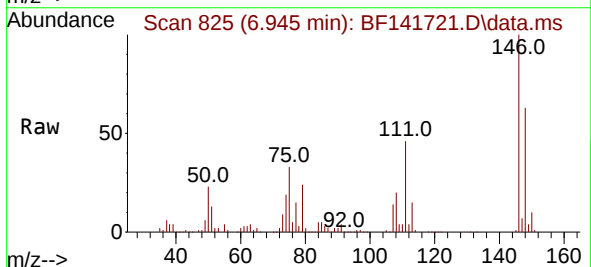
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

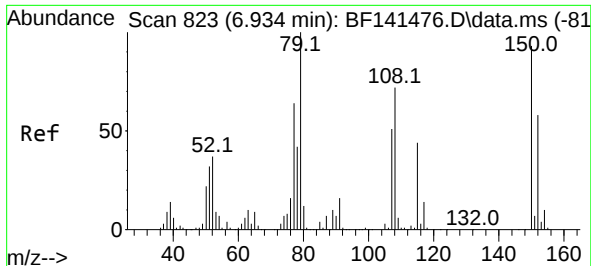
Tgt Ion:146 Resp: 276046
Ion Ratio Lower Upper
146 100
148 64.4 50.9 76.3
111 43.1 35.9 53.9



#14
1,2-Dichlorobenzene
Concen: 43.070 ng
RT: 6.945 min Scan# 825
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:146 Resp: 268582
Ion Ratio Lower Upper
146 100
148 63.5 51.8 77.6
111 45.6 37.0 55.4

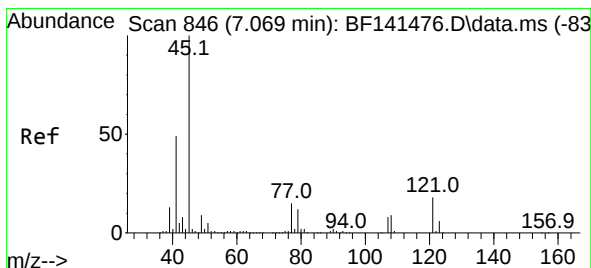
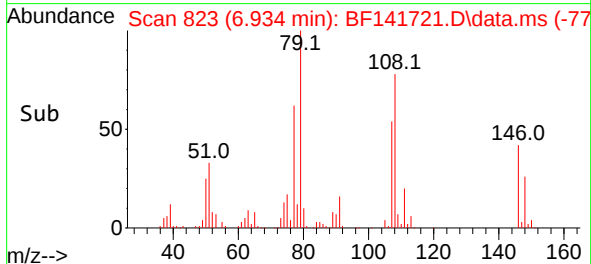
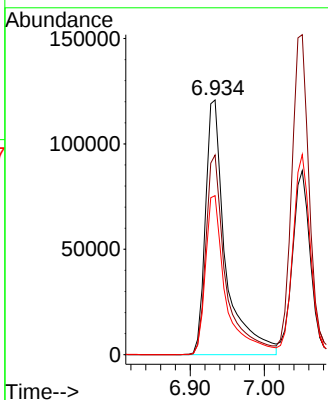
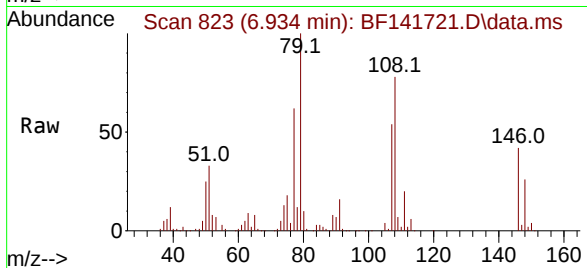




#15
Benzyl Alcohol
Concen: 41.034 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

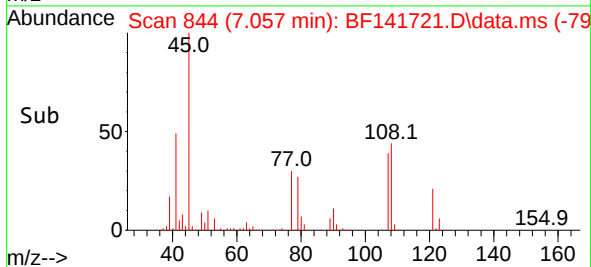
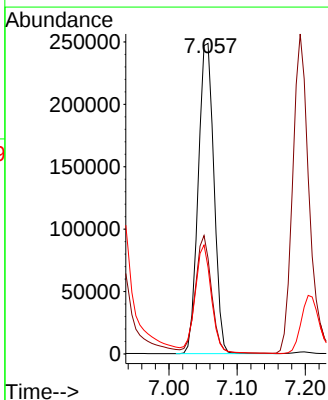
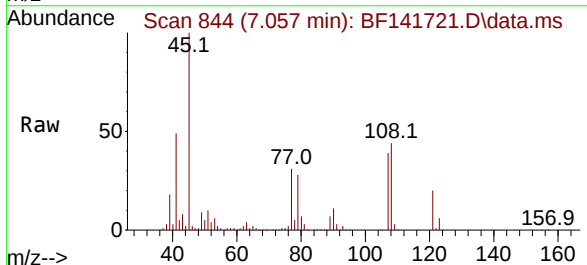
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

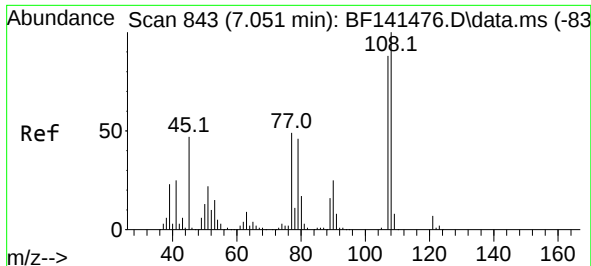
Tgt Ion: 79 Resp: 229272
Ion Ratio Lower Upper
79 100
108 78.4 57.4 86.2
77 62.5 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.790 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 45 Resp: 397722
Ion Ratio Lower Upper
45 100
77 30.8 0.0 35.8
79 27.9 0.0 32.7

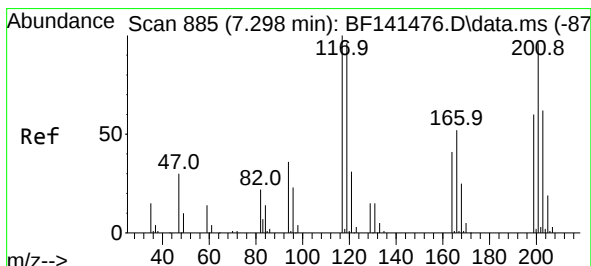
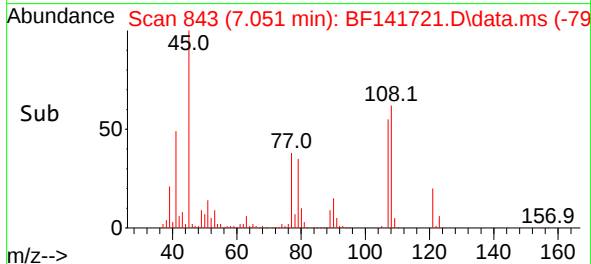
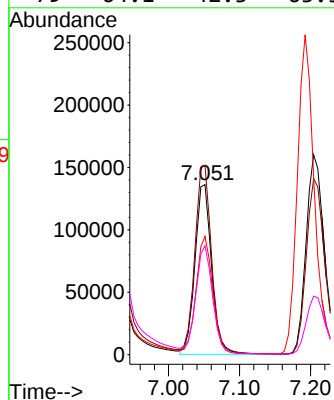
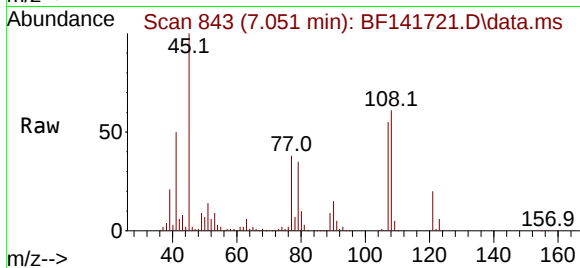




#17
2-Methylphenol
Concen: 45.395 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

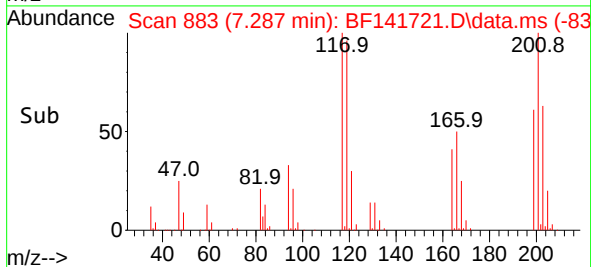
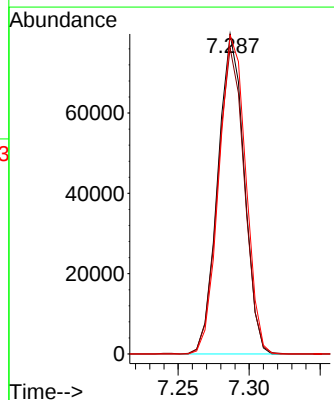
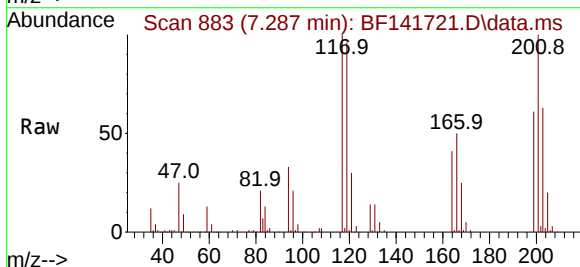
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:107 Resp: 221279
Ion Ratio Lower Upper
107 100
108 111.4 90.6 136.0
77 69.7 44.4 66.6#
79 64.1 42.3 63.5#



#18
Hexachloroethane
Concen: 41.230 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:117 Resp: 102521
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
201 99.6 76.7 115.1

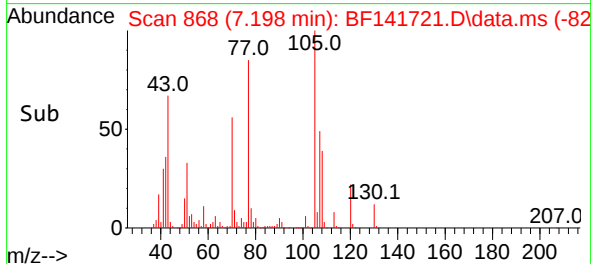
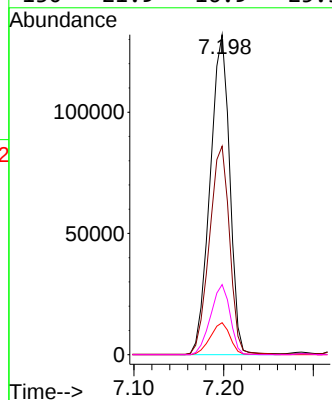
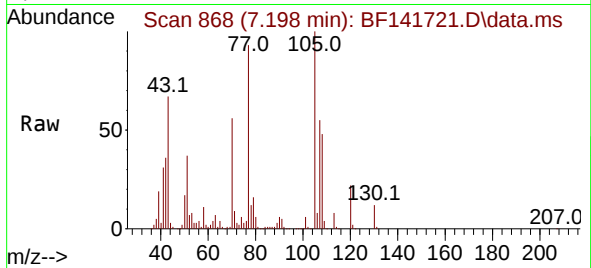




#19
n-Nitroso-di-n-propylamine
Concen: 45.955 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

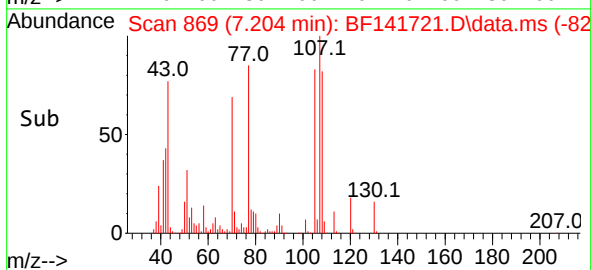
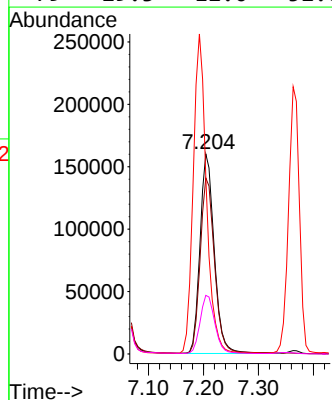
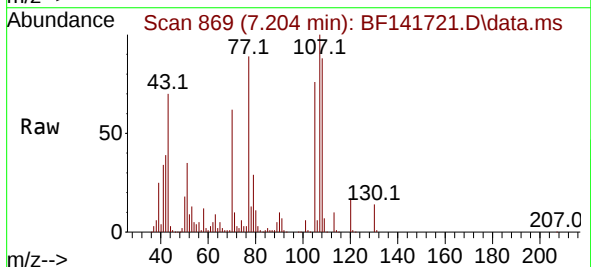
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

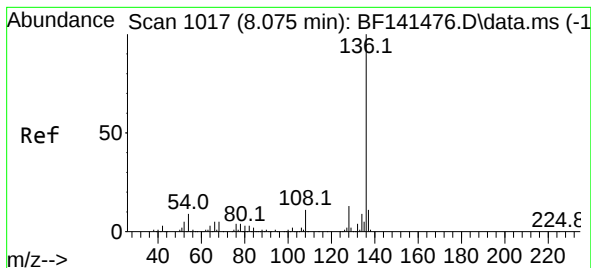
Tgt Ion: 70 Resp: 200283
Ion Ratio Lower Upper
70 100
42 65.2 57.4 86.2
101 10.0 8.0 12.0
130 21.9 16.9 25.3



#20
3+4-Methylphenols
Concen: 46.551 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:107 Resp: 288379
Ion Ratio Lower Upper
107 100
108 88.0 68.5 108.5
77 88.7 116.5 156.5#
79 29.3 12.0 52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:136 Resp: 362086

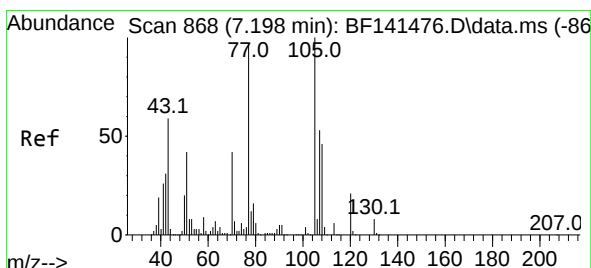
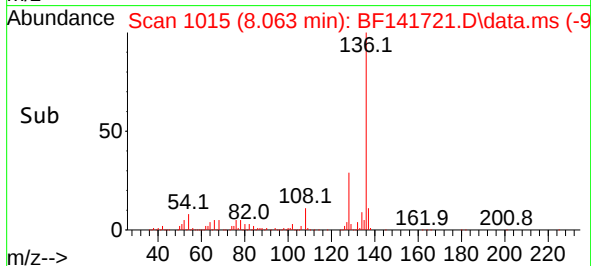
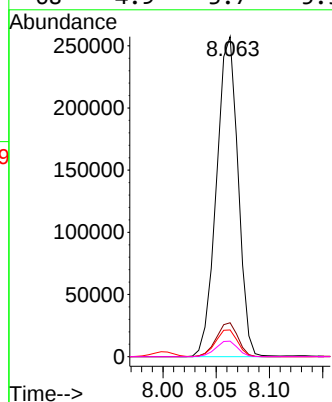
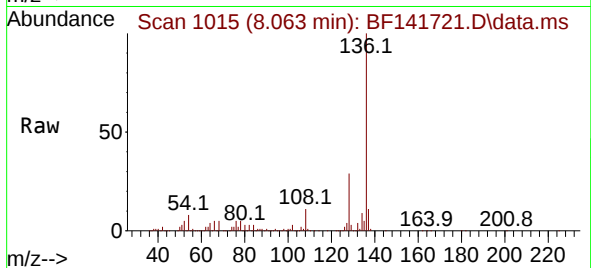
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.4 7.2 10.8

68 4.9 3.7 5.5



#22

Acetophenone

Concen: 48.758 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Tgt Ion:105 Resp: 439166

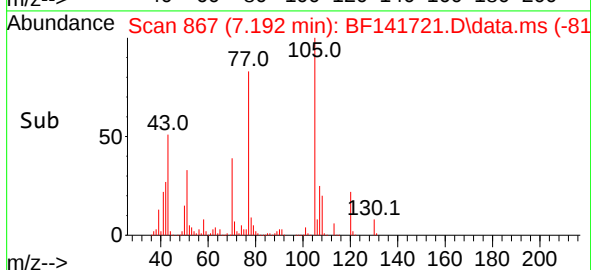
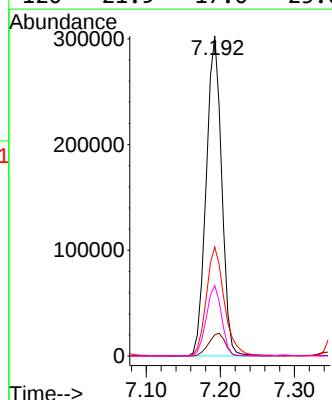
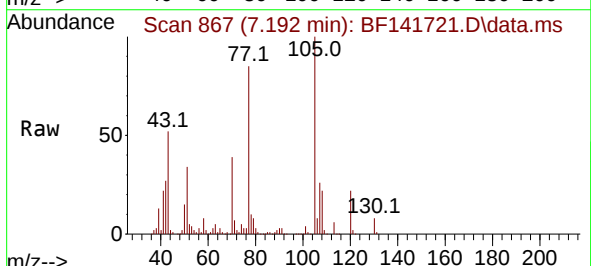
Ion Ratio Lower Upper

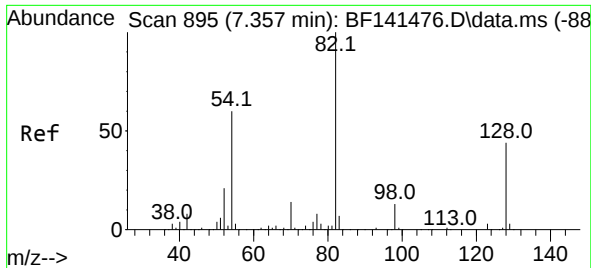
105 100

71 6.6 5.7 8.5

51 34.0 33.7 50.5

120 21.9 17.0 25.6





#23

Nitrobenzene-d5

Concen: 97.910 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

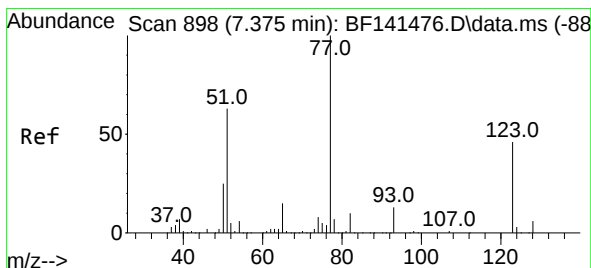
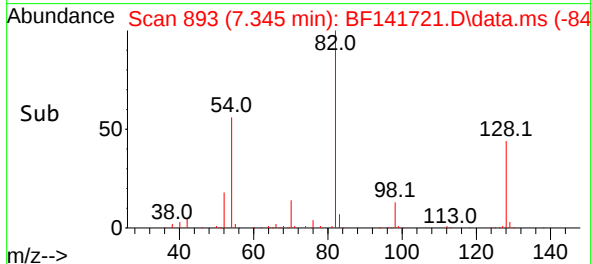
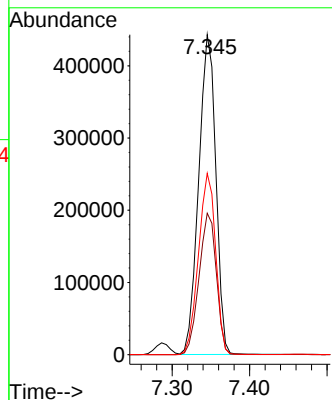
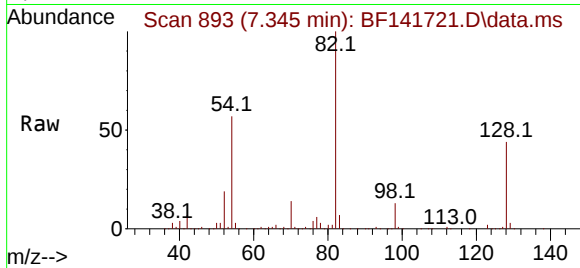
Tgt Ion: 82 Resp: 679701

Ion Ratio Lower Upper

82 100

128 44.2 34.8 52.2

54 56.7 48.2 72.4



#24

Nitrobenzene

Concen: 43.268 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

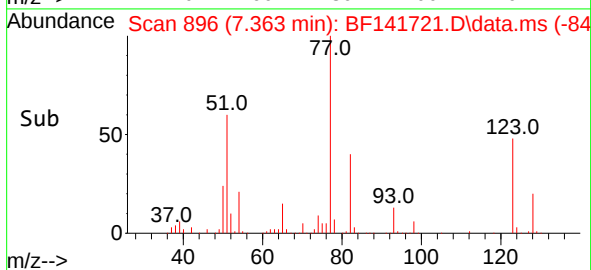
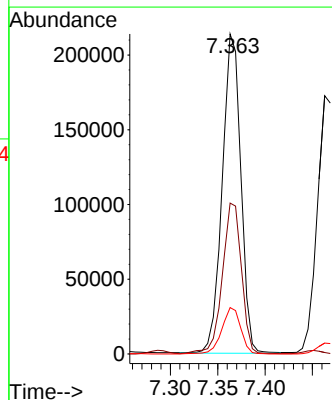
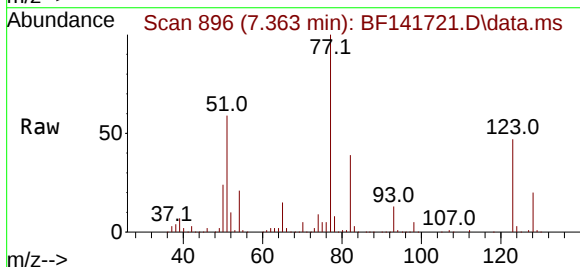
Tgt Ion: 77 Resp: 292897

Ion Ratio Lower Upper

77 100

123 47.2 36.9 55.3

65 14.5 11.9 17.9

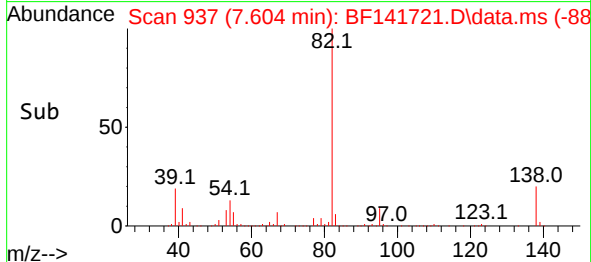
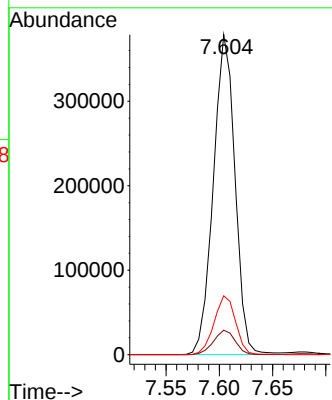
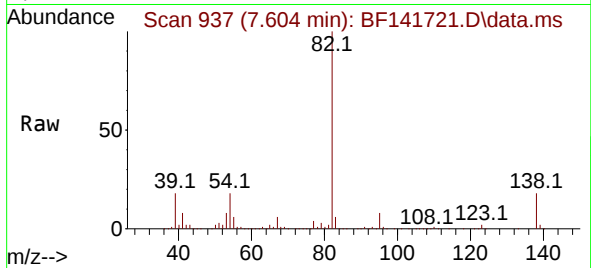




#25
Isophorone
Concen: 48.359 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

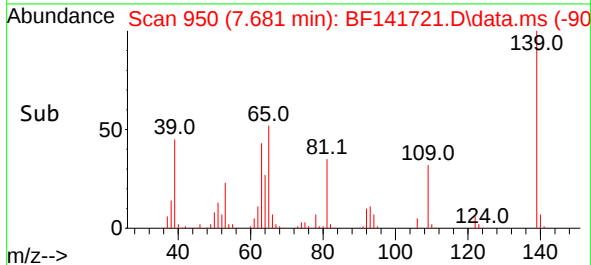
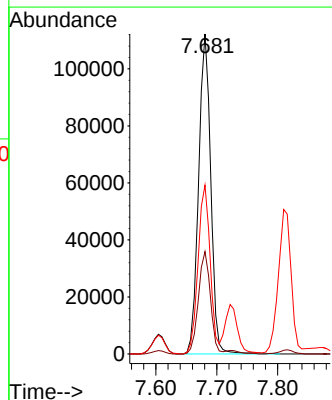
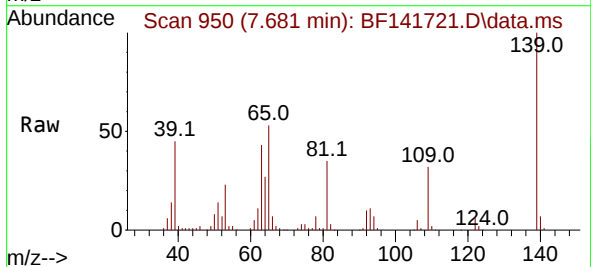
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

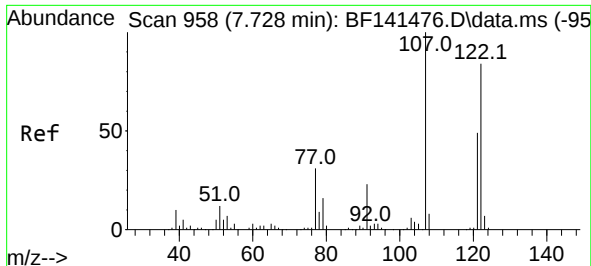
Tgt Ion: 82 Resp: 535287
Ion Ratio Lower Upper
82 100
95 7.7 6.4 9.6
138 18.4 13.9 20.9



#26
2-Nitrophenol
Concen: 46.133 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 139 Resp: 155372
Ion Ratio Lower Upper
139 100
109 32.0 27.0 40.6
65 52.8 47.1 70.7

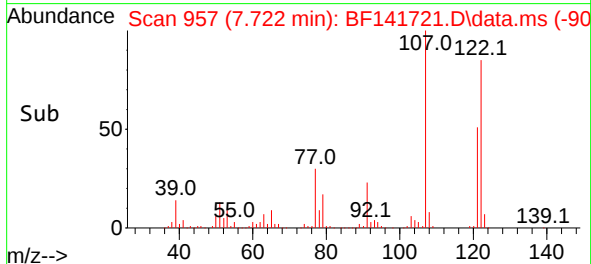
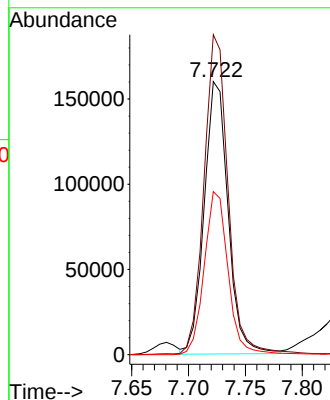
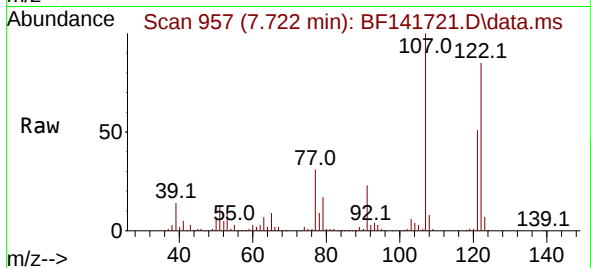




#27
2,4-Dimethylphenol
Concen: 59.608 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

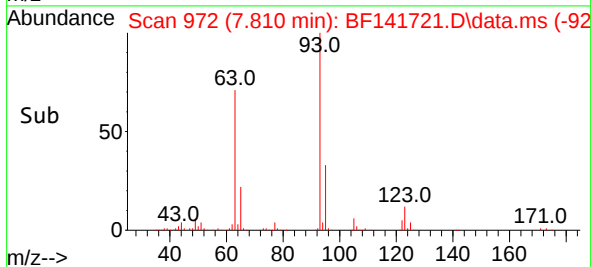
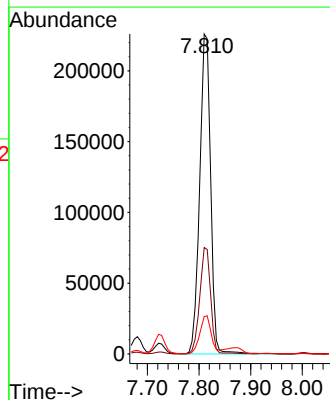
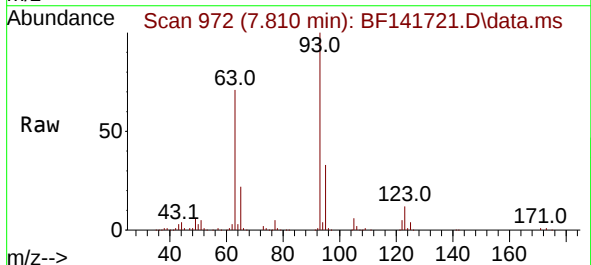
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:122 Resp: 234523
Ion Ratio Lower Upper
122 100
107 117.2 94.3 141.5
121 59.7 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 46.918 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 93 Resp: 332775
Ion Ratio Lower Upper
93 100
95 33.2 26.1 39.1
123 11.7 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 46.665 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

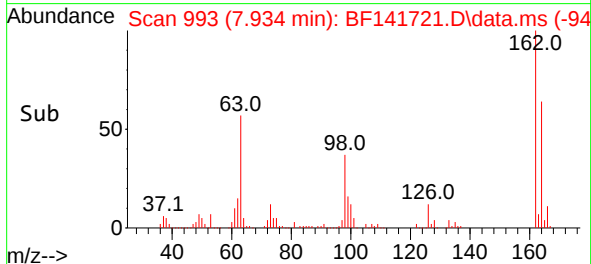
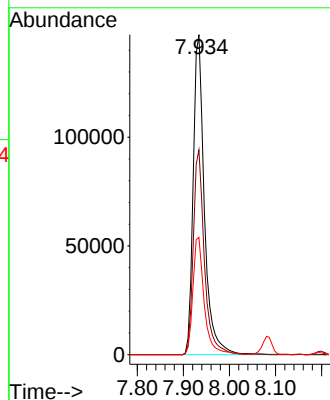
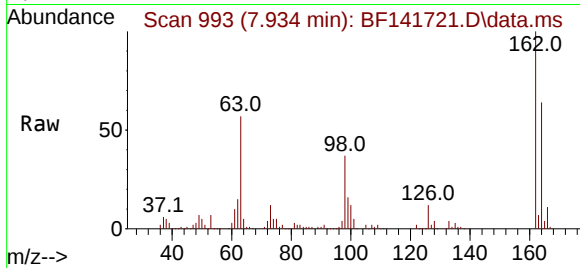
Tgt Ion:162 Resp: 248070

Ion Ratio Lower Upper

162 100

164 64.0 44.6 84.6

98 36.7 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 43.951 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

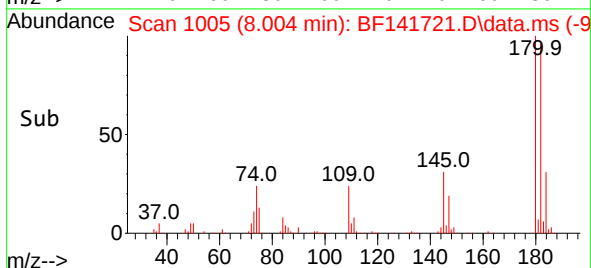
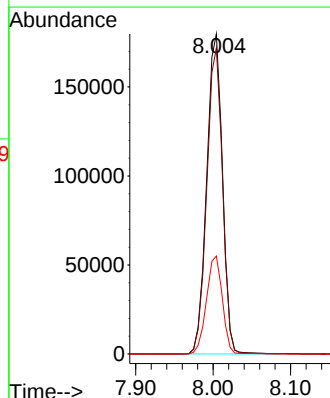
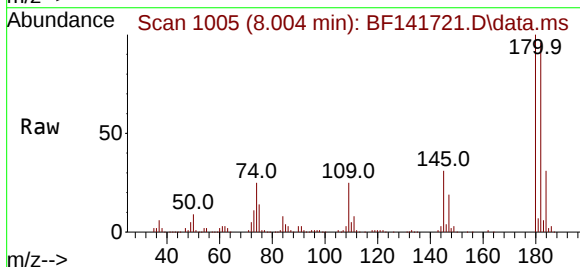
Tgt Ion:180 Resp: 254427

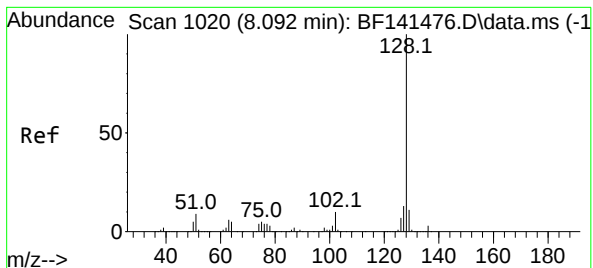
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 30.6 24.2 36.4





#31

Naphthalene

Concen: 43.616 ng

RT: 8.081 min Scan# 1020

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

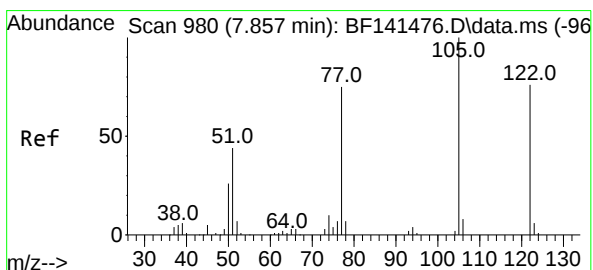
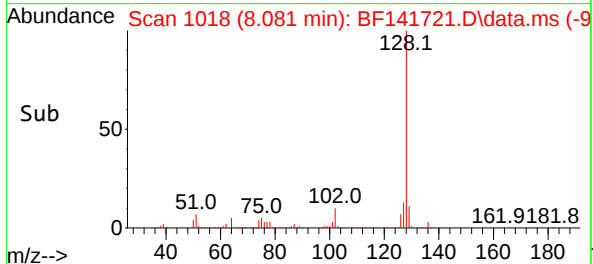
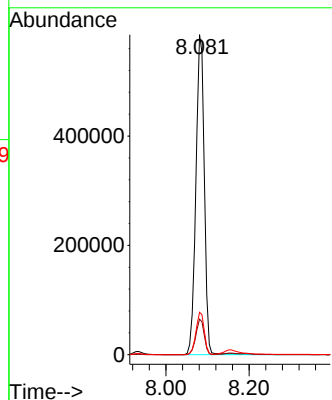
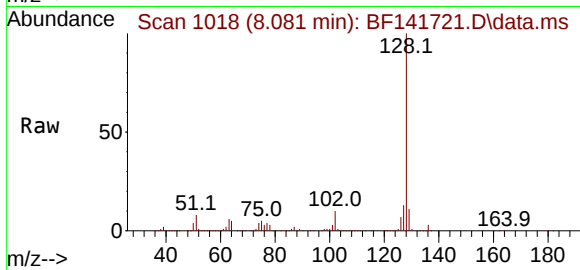
Tgt Ion:128 Resp: 822064

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 44.736 ng

RT: 7.875 min Scan# 983

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

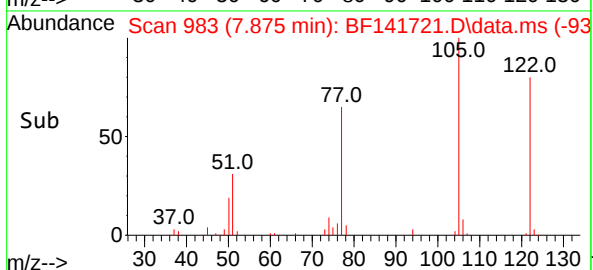
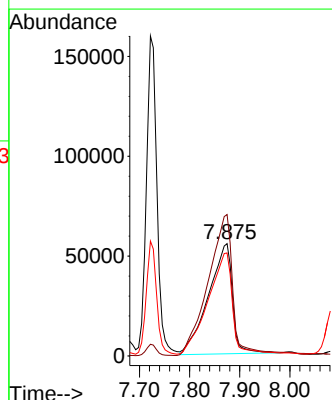
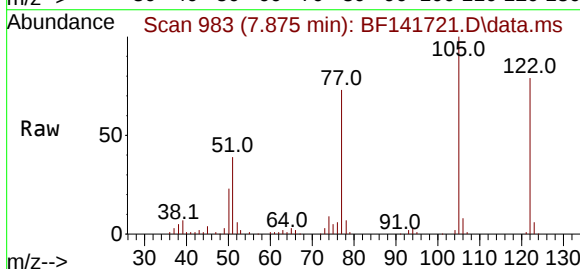
Tgt Ion:122 Resp: 182823

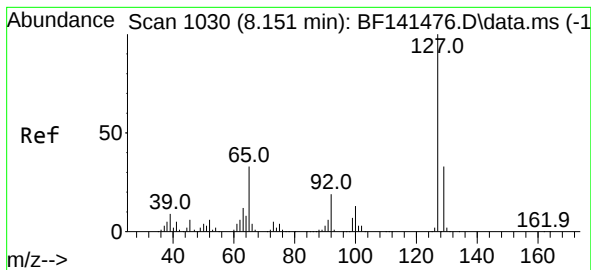
Ion Ratio Lower Upper

122 100

105 125.9 106.5 146.5

77 91.7 76.3 116.3





#33

4-Chloroaniline

Concen: 3.704 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:127 Resp: 24373

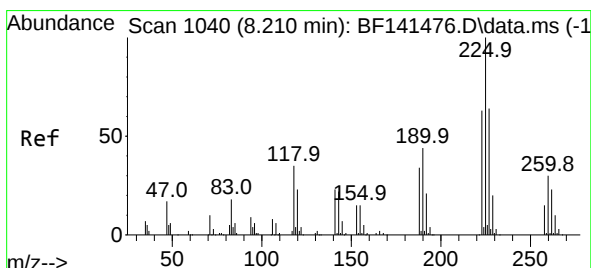
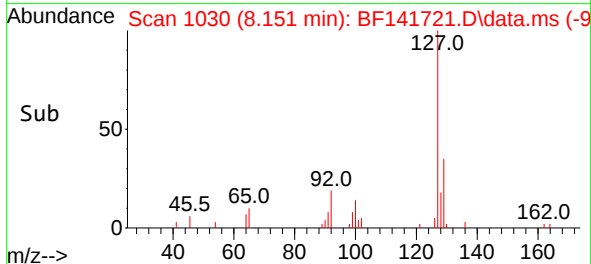
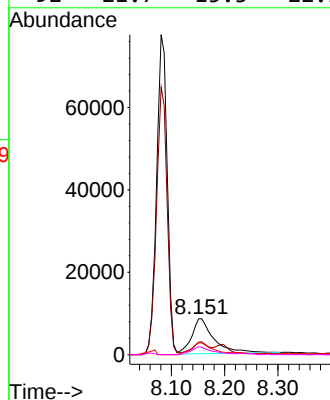
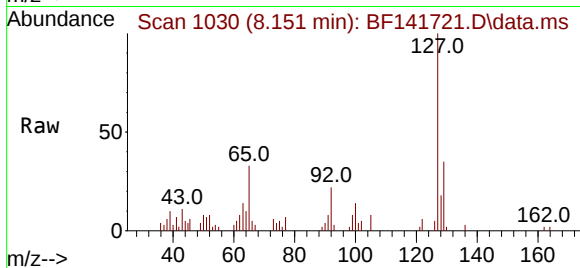
Ion Ratio Lower Upper

127 100

129 35.0 26.5 39.7

65 32.8 26.4 39.6

92 21.7 15.3 22.9



#34

Hexachlorobutadiene

Concen: 44.002 ng

RT: 8.198 min Scan# 1038

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

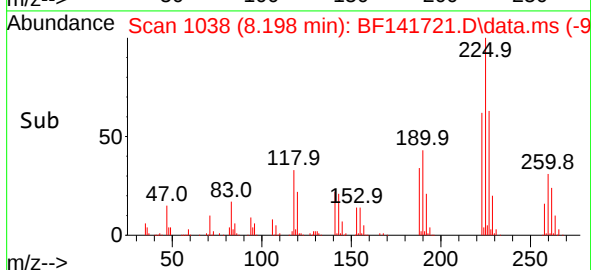
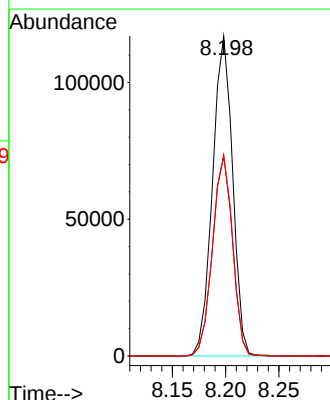
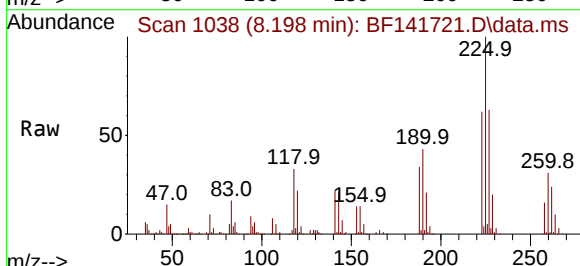
Tgt Ion:225 Resp: 152920

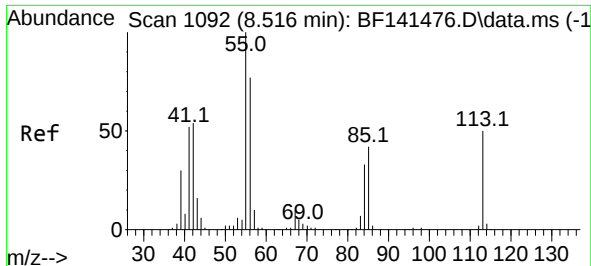
Ion Ratio Lower Upper

225 100

223 62.3 50.1 75.1

227 62.9 51.0 76.6

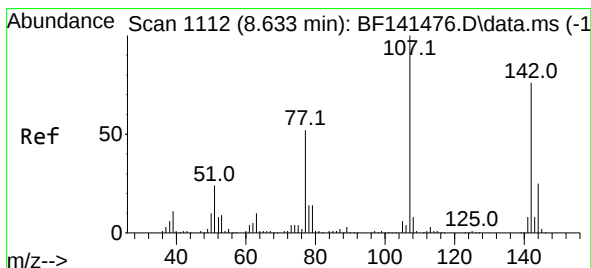
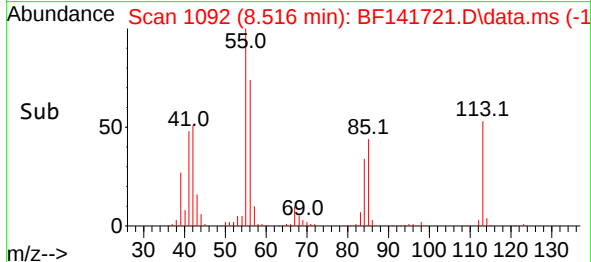
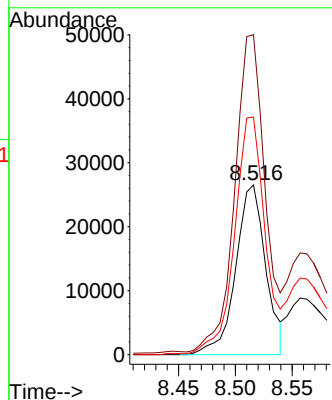
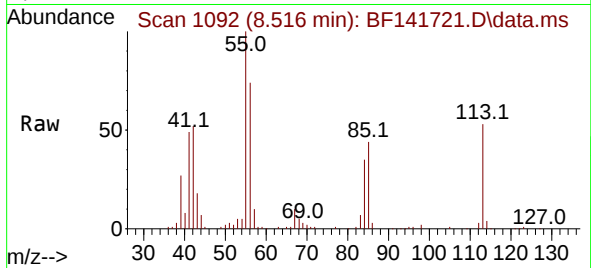




#35
 Caprolactam
 Concen: 30.027 ng
 RT: 8.516 min Scan# 1092
 Delta R.T. -0.029 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

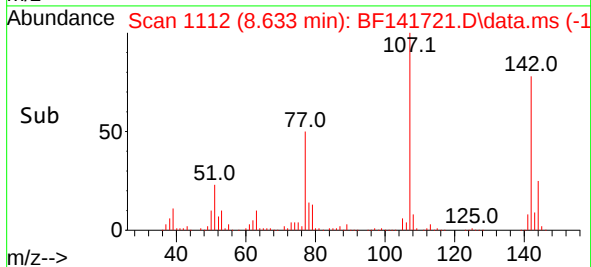
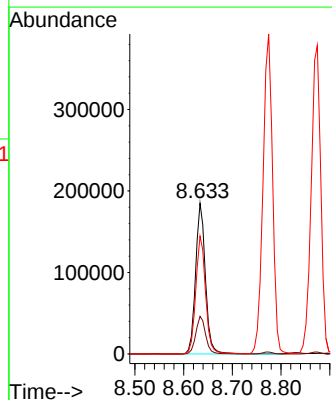
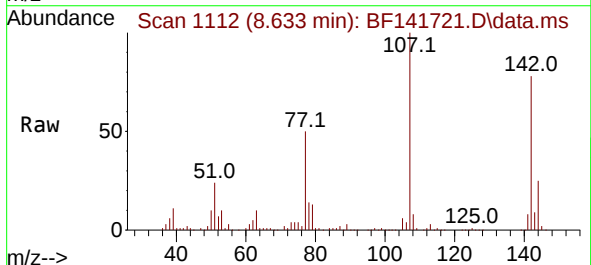
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

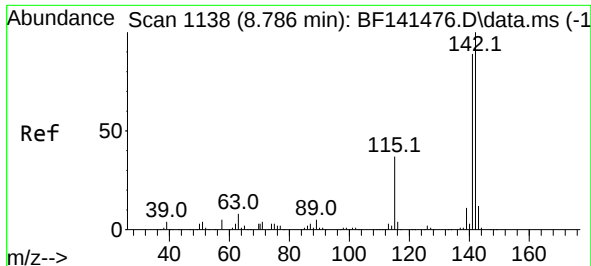
Tgt Ion:113	Resp:	48601
Ion	Ratio	Lower Upper
113	100	
55	188.5	180.8 220.8
56	140.0	133.6 173.6



#36
 4-Chloro-3-methylphenol
 Concen: 44.451 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

Tgt Ion:107	Resp:	261751
Ion	Ratio	Lower Upper
107	100	
144	25.0	19.7 29.5
142	78.1	60.8 91.2





#37

2-Methylnaphthalene

Concen: 43.386 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

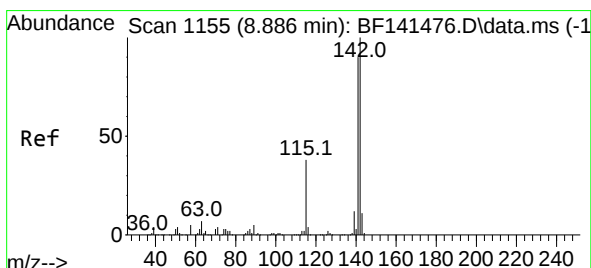
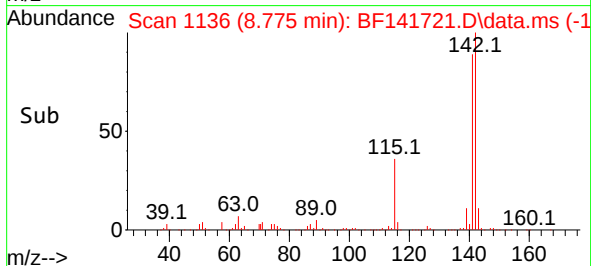
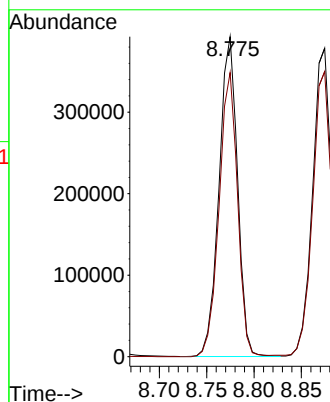
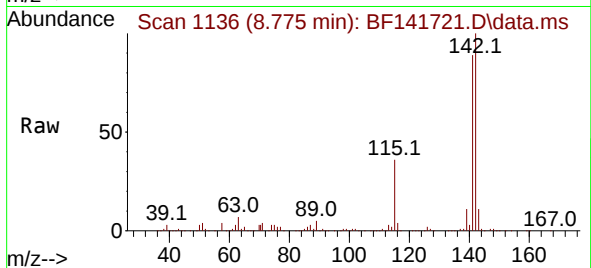
SOIL-COMPMSD

Tgt Ion:142 Resp: 532128

Ion Ratio Lower Upper

142 100

141 88.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 43.747 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF141721.D

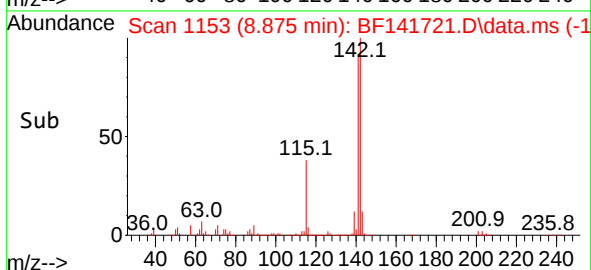
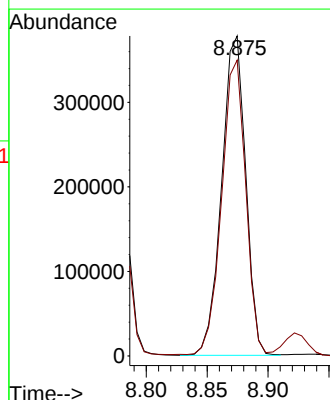
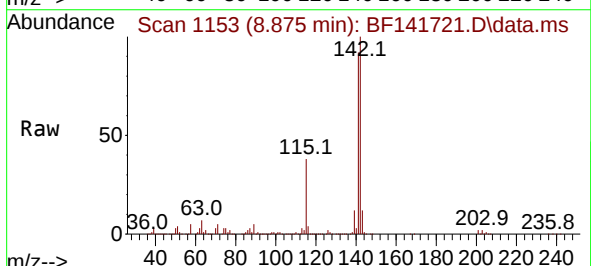
Acq: 21 Feb 2025 15:47

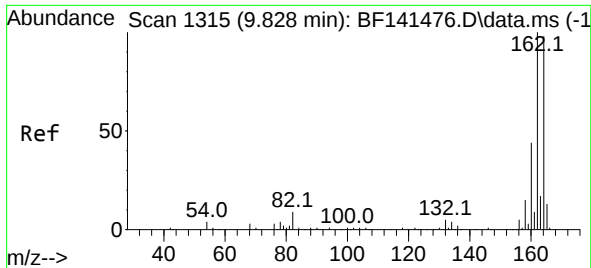
Tgt Ion:142 Resp: 519669

Ion Ratio Lower Upper

142 100

141 92.4 72.1 108.1

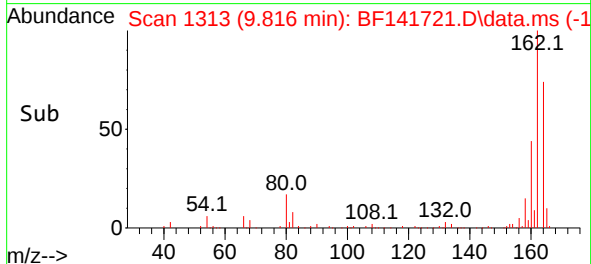
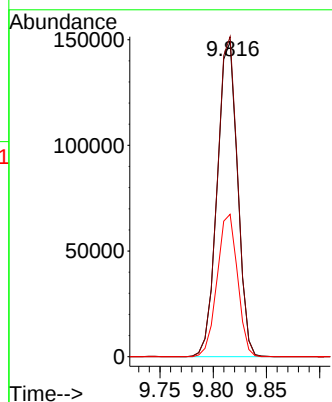
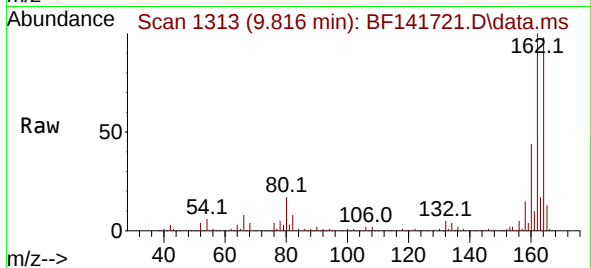




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1164
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

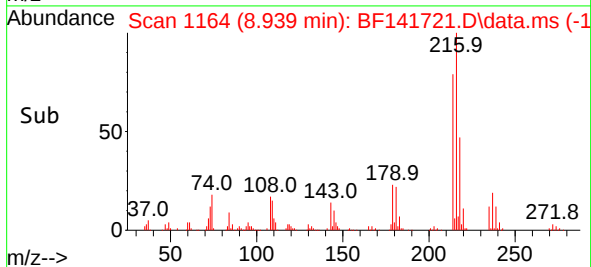
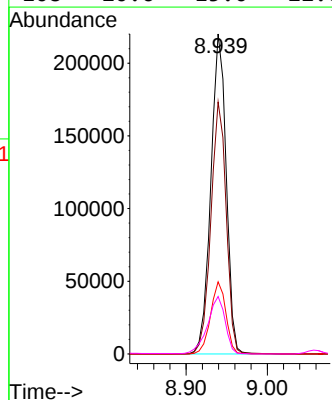
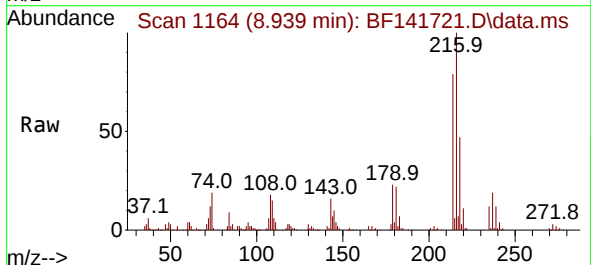
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

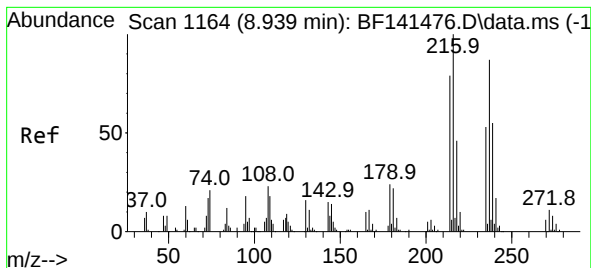
Tgt Ion:164 Resp: 197579
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.2 35.9 53.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.529 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:216 Resp: 288834
Ion Ratio Lower Upper
216 100
214 78.6 62.3 93.5
179 22.5 18.0 27.0
108 20.6 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 149.835 ng

RT: 8.922 min Scan# 1161

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

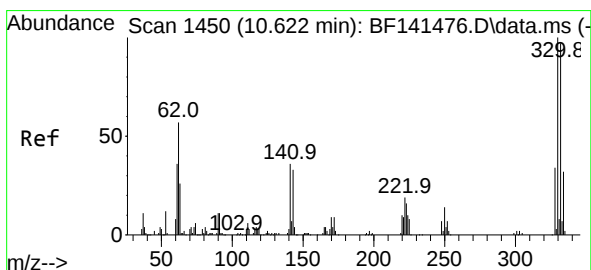
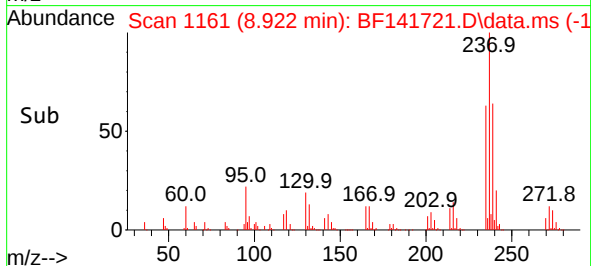
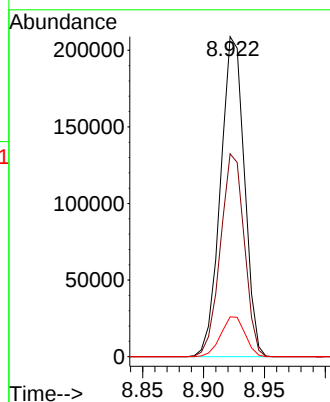
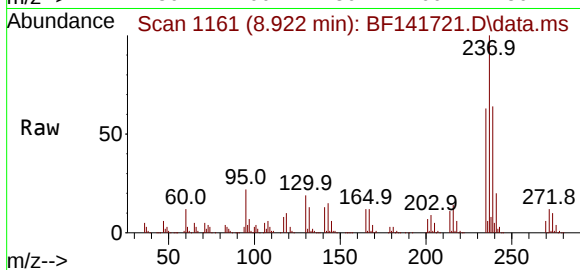
Tgt Ion:237 Resp: 284874

Ion Ratio Lower Upper

237 100

235 63.4 41.4 81.4

272 12.5 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 147.286 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

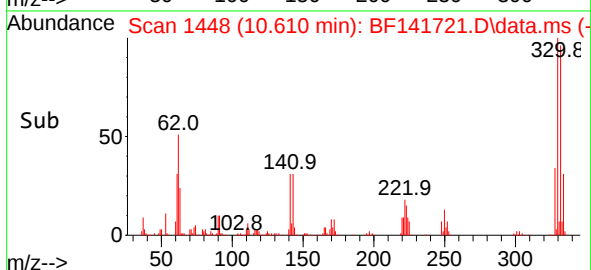
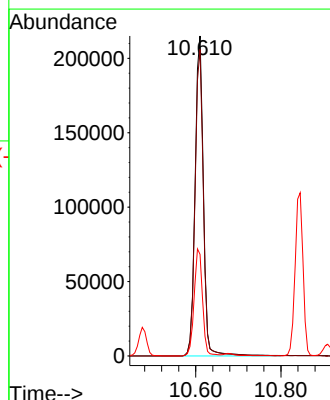
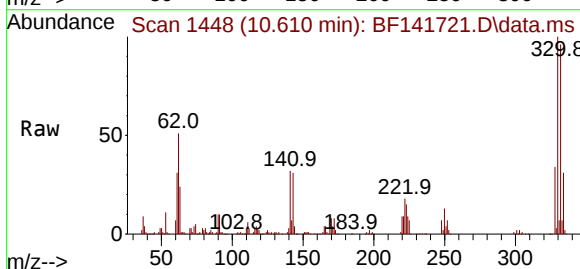
Tgt Ion:330 Resp: 292329

Ion Ratio Lower Upper

330 100

332 95.3 78.5 117.7

141 33.7 31.0 46.4

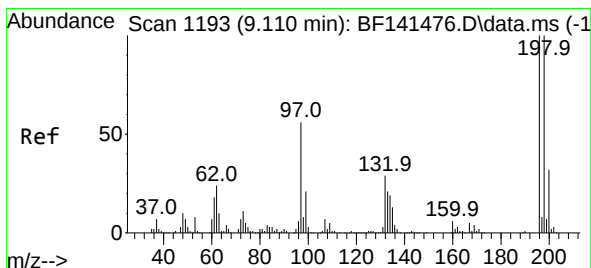
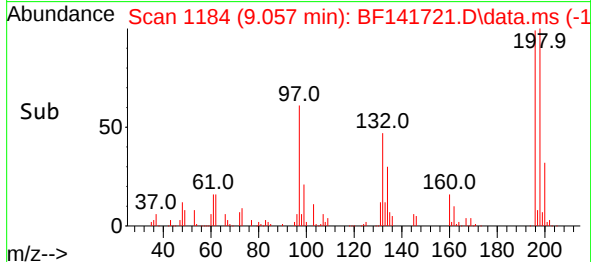
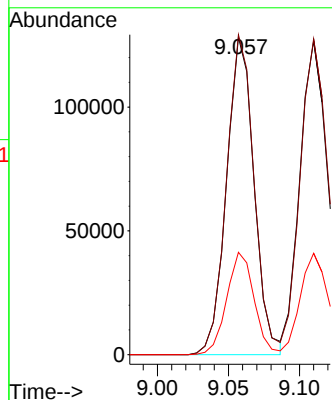
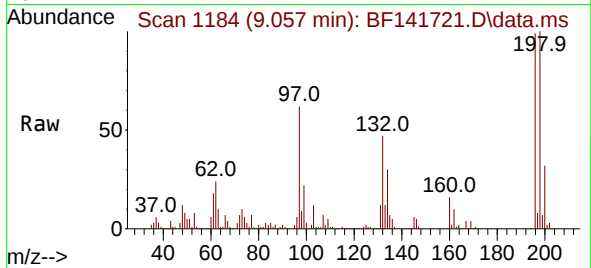




#43
 2,4,6-Trichlorophenol
 Concen: 46.752 ng
 RT: 9.057 min Scan# 1184
 Delta R.T. -0.012 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

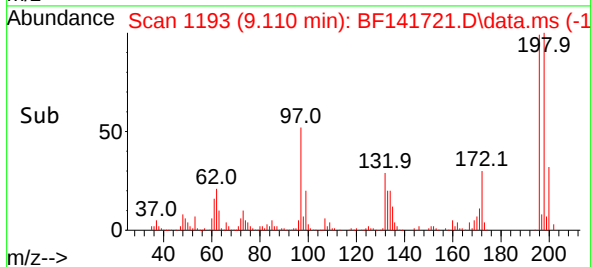
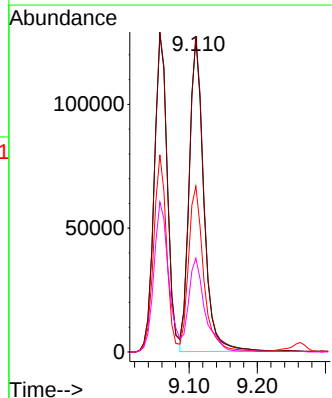
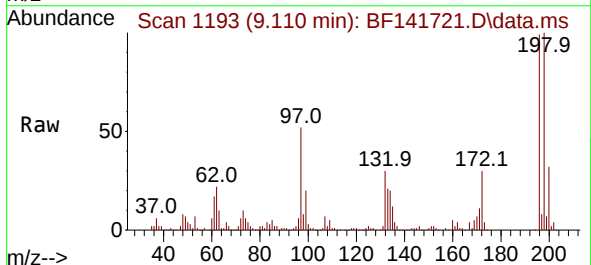
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tgt Ion:196 Resp: 172722
 Ion Ratio Lower Upper
 196 100
 198 100.8 80.6 121.0
 200 32.3 25.5 38.3



#44
 2,4,5-Trichlorophenol
 Concen: 46.518 ng
 RT: 9.110 min Scan# 1193
 Delta R.T. -0.006 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

Tgt Ion:196 Resp: 186253
 Ion Ratio Lower Upper
 196 100
 198 100.7 79.8 119.8
 97 52.8 44.8 67.2
 132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 100.703 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

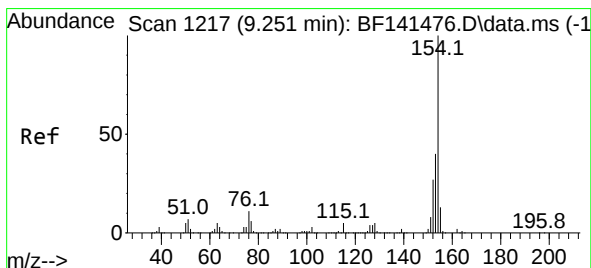
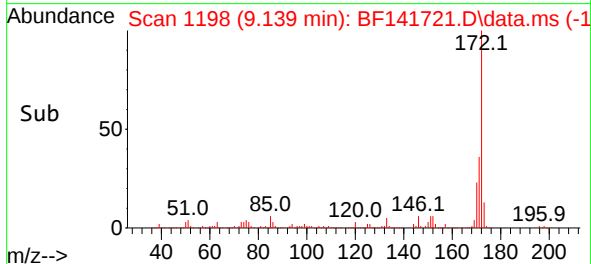
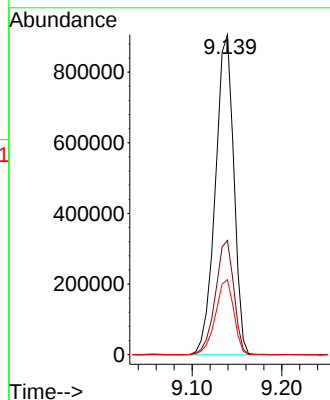
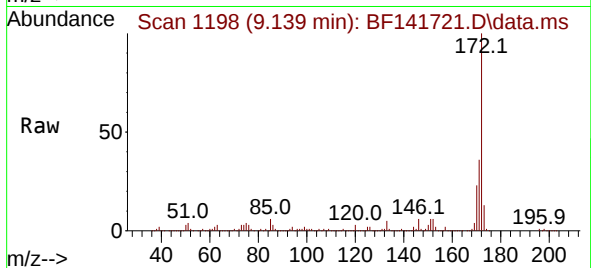
Tgt Ion:172 Resp: 1291463

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.5 18.9 28.3



#46

1,1'-Biphenyl

Concen: 51.365 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

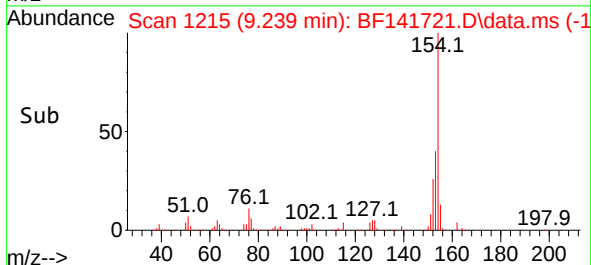
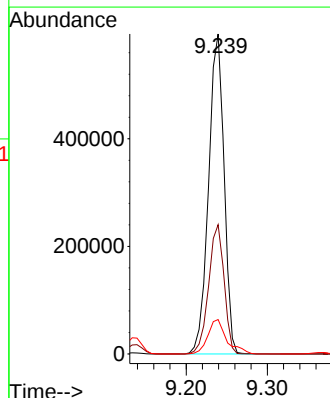
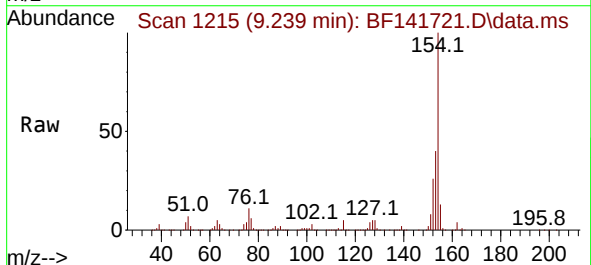
Tgt Ion:154 Resp: 786806

Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 10.7 0.0 30.8

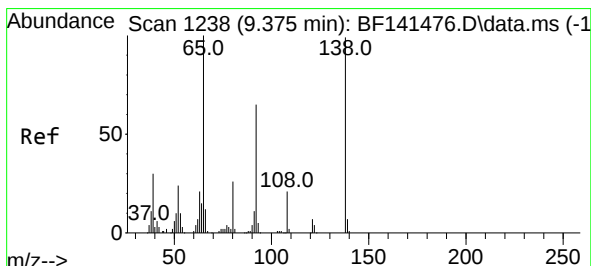
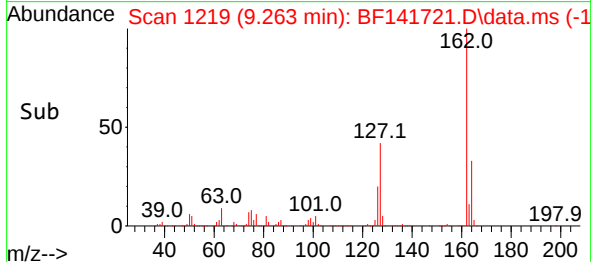
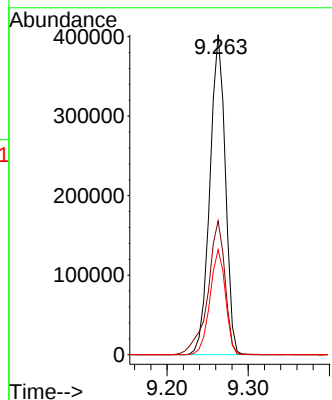
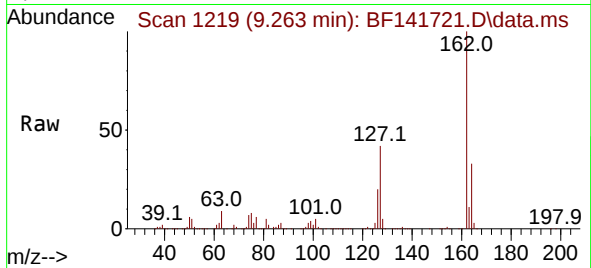




#47
2-Chloronaphthalene
Concen: 46.849 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

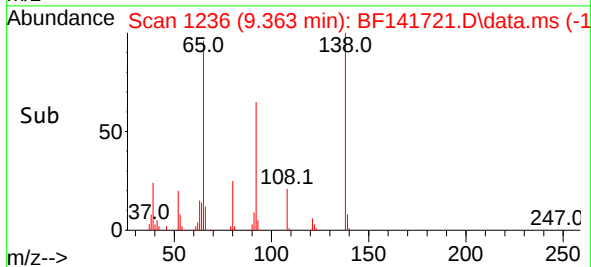
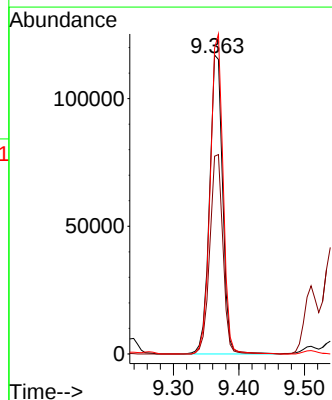
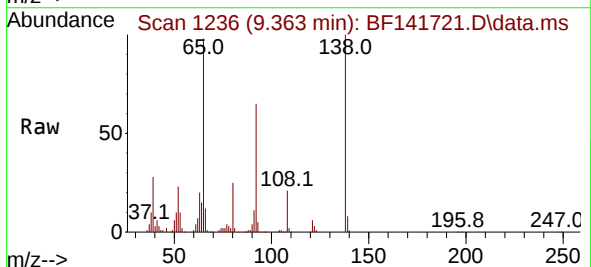
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

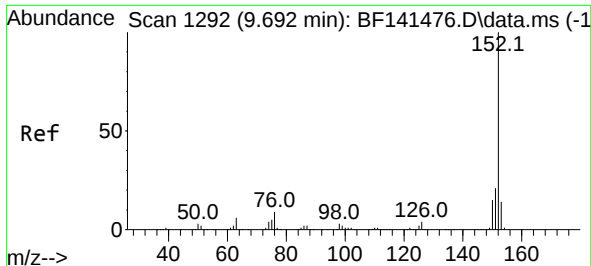
Tgt Ion:162 Resp: 530670
Ion Ratio Lower Upper
162 100
127 41.8 34.1 51.1
164 32.8 26.3 39.5



#48
2-Nitroaniline
Concen: 42.894 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion: 65 Resp: 163058
Ion Ratio Lower Upper
65 100
92 66.2 52.2 78.2
138 102.3 79.5 119.3





#49

Acenaphthylene

Concen: 48.503 ng

RT: 9.675 min Scan# 1289

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

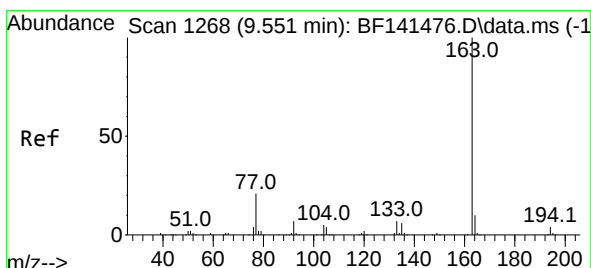
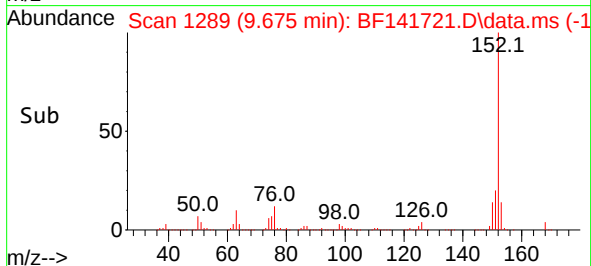
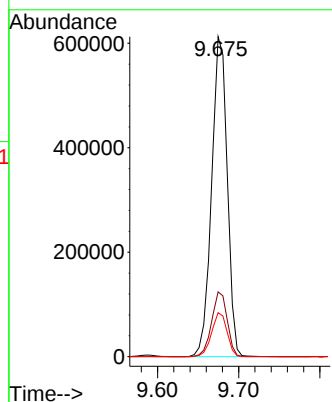
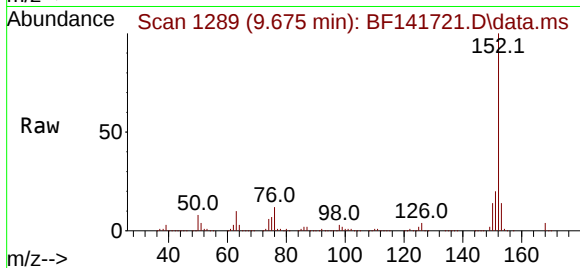
Tgt Ion:152 Resp: 817165

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.8 10.9 16.3



#50

Dimethylphthalate

Concen: 48.959 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

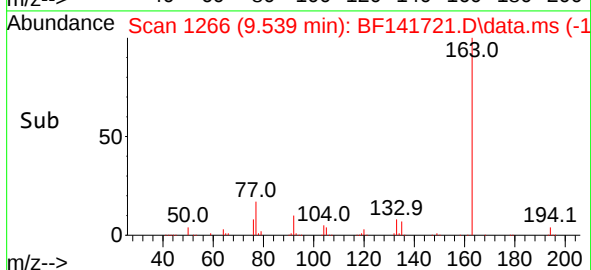
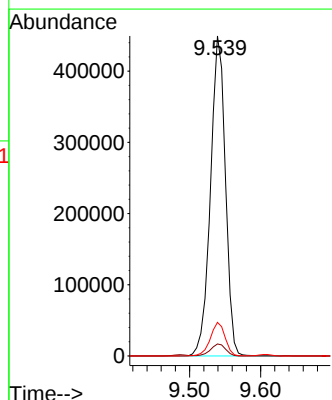
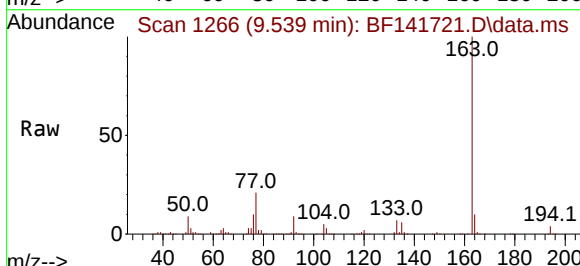
Tgt Ion:163 Resp: 656700

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.5 7.9 11.9

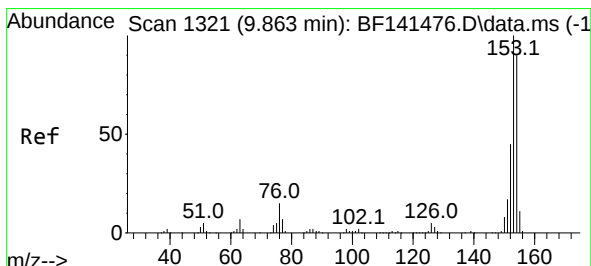
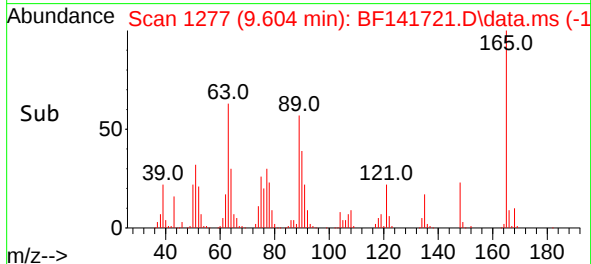
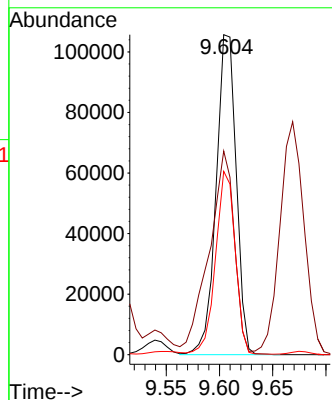
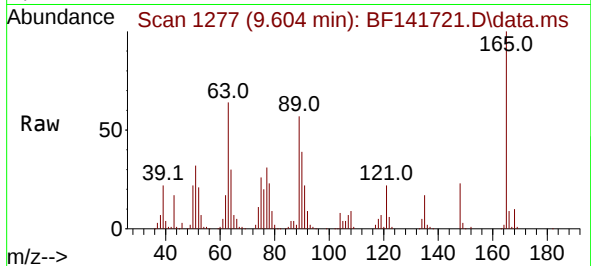




#51
2,6-Dinitrotoluene
Concen: 47.282 ng
RT: 9.604 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

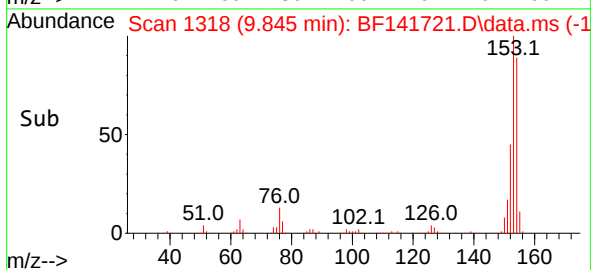
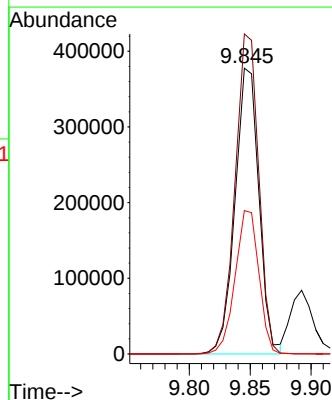
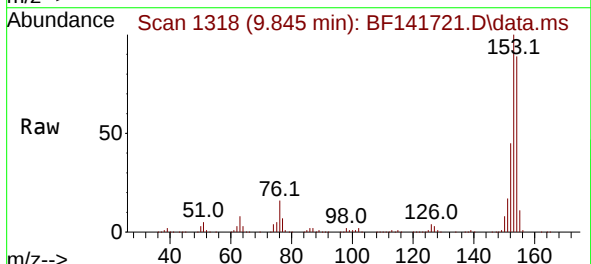
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

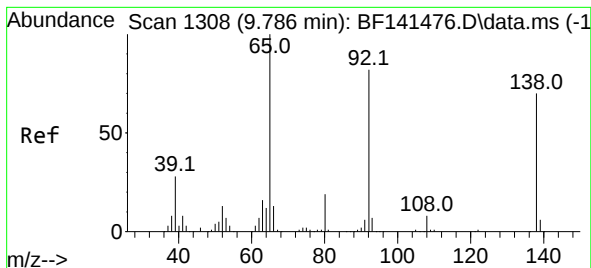
Tgt Ion:165 Resp: 138640
Ion Ratio Lower Upper
165 100
63 63.7 49.4 74.0
89 57.3 46.5 69.7



#52
Acenaphthene
Concen: 45.535 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:154 Resp: 515763
Ion Ratio Lower Upper
154 100
153 112.0 89.2 133.8
152 50.2 39.8 59.8





#53

3-Nitroaniline

Concen: 8.006 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

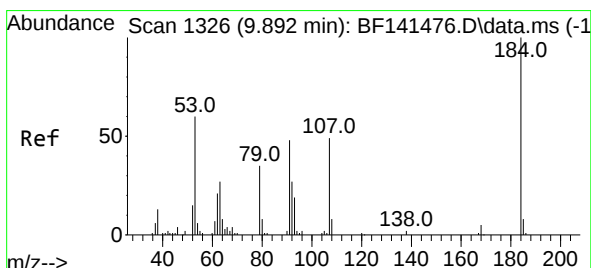
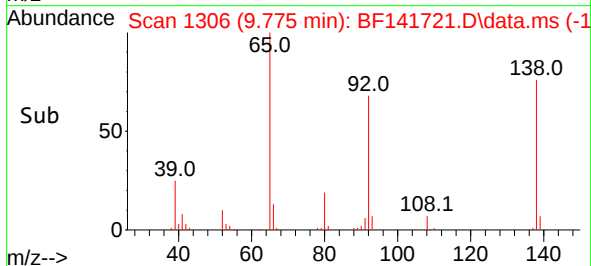
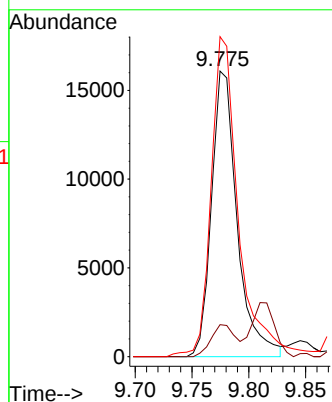
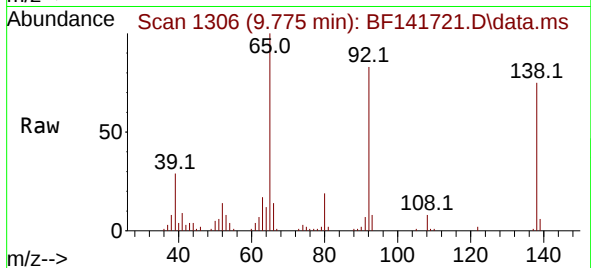
Tgt Ion:138 Resp: 25265

Ion Ratio Lower Upper

138 100

108 11.2 9.0 13.4

92 112.0 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 103.120 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

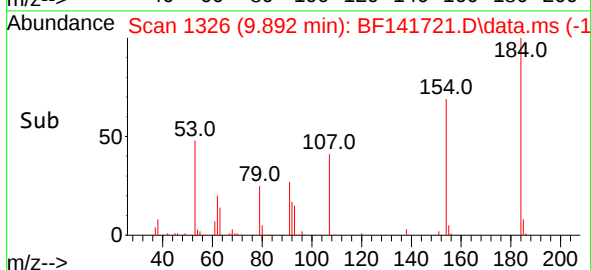
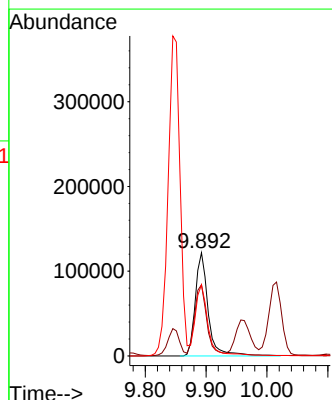
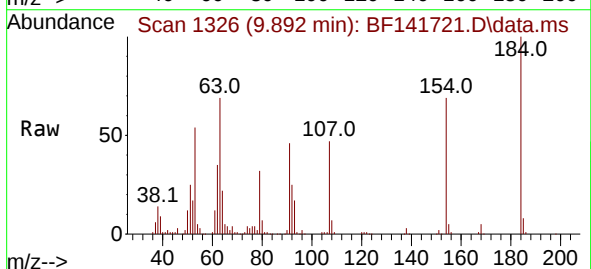
Tgt Ion:184 Resp: 179706

Ion Ratio Lower Upper

184 100

63 69.0 61.0 91.6

154 69.1 59.9 89.9

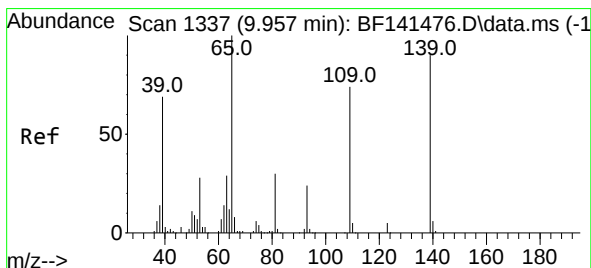
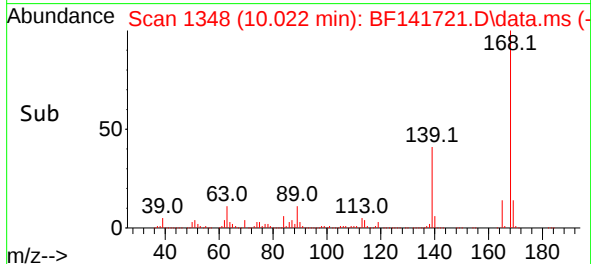
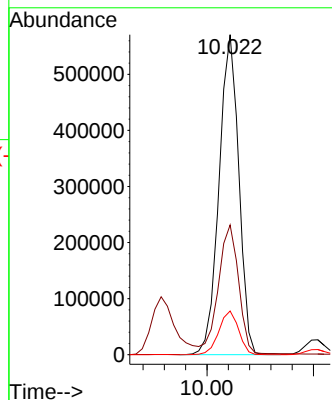
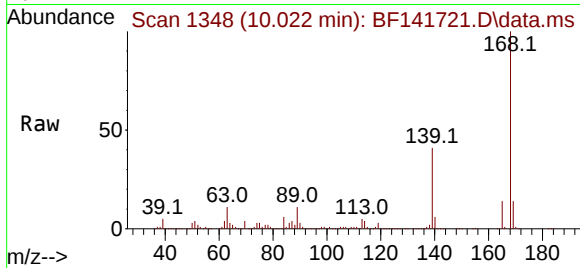




#55
Dibenzenofuran
Concen: 44.091 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

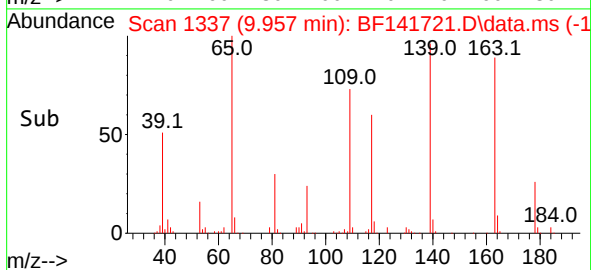
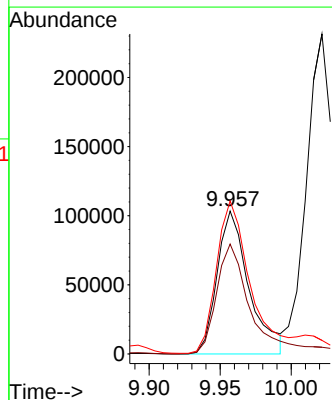
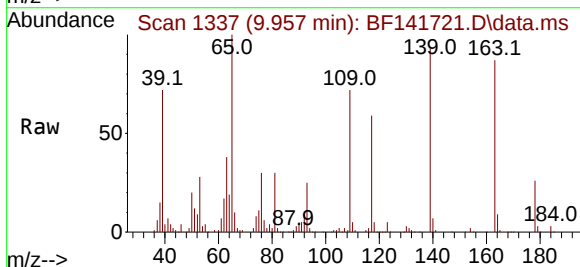
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

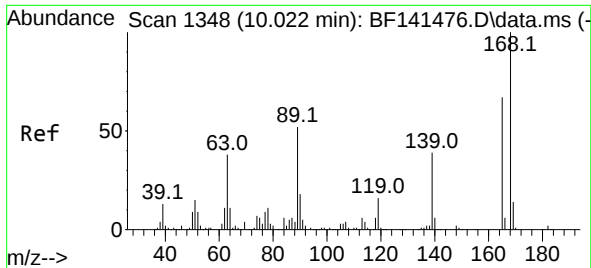
Tgt Ion:168 Resp: 733030
Ion Ratio Lower Upper
168 100
139 40.6 32.7 49.1
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 68.881 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:139 Resp: 161371
Ion Ratio Lower Upper
139 100
109 77.0 62.0 102.0
65 107.2 91.2 131.2

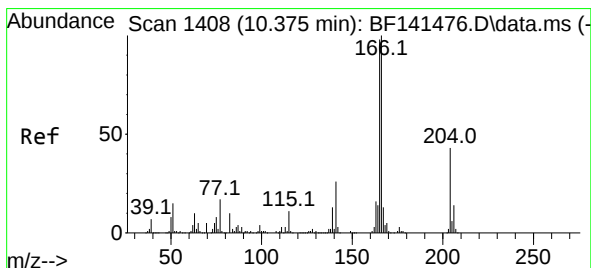
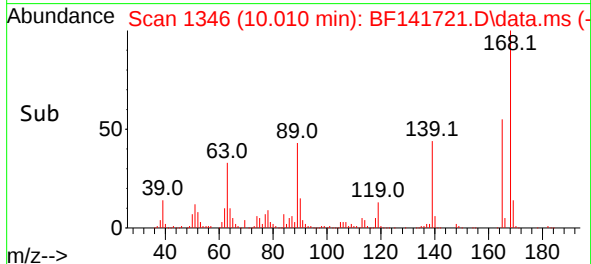
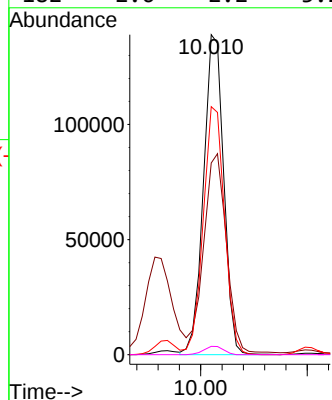
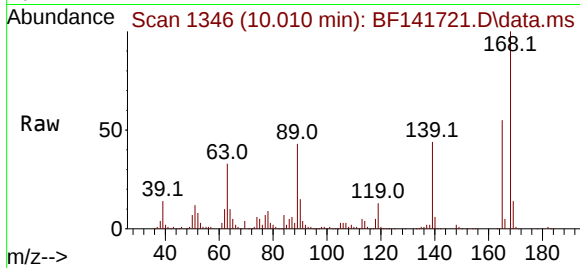




#57
2,4-Dinitrotoluene
Concen: 46.888 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

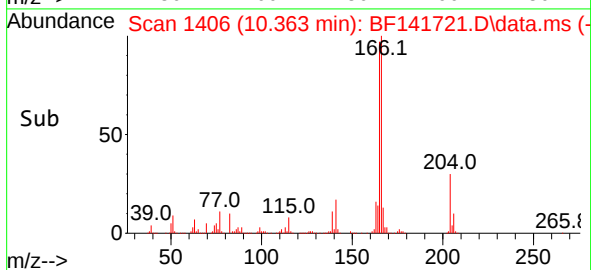
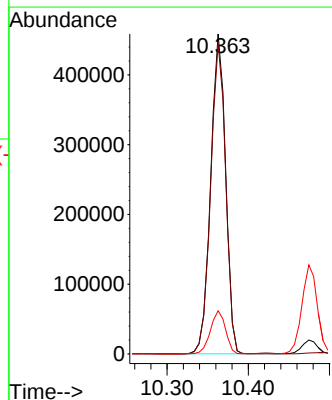
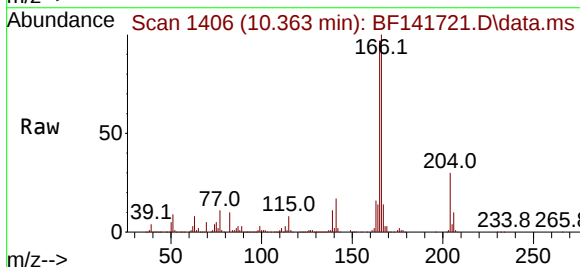
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:165 Resp: 183025
Ion Ratio Lower Upper
165 100
63 59.9 46.4 69.6
89 77.5 61.8 92.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 45.558 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:166 Resp: 585632
Ion Ratio Lower Upper
166 100
165 97.0 78.2 117.2
167 13.5 10.7 16.1

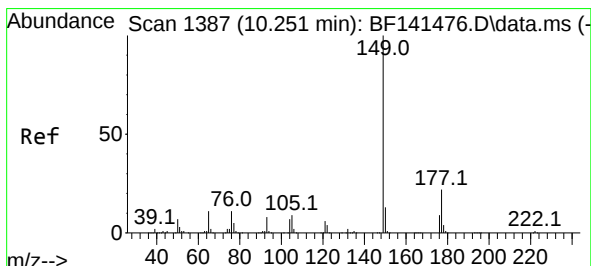
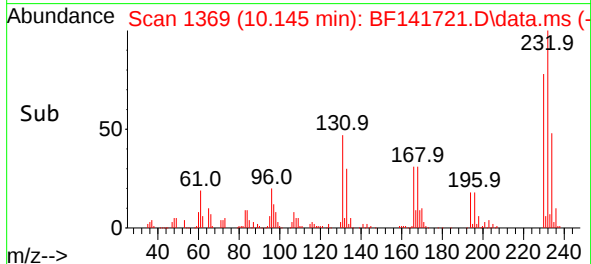
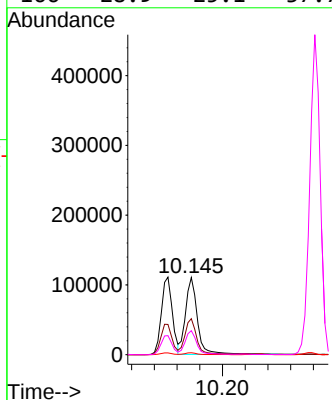
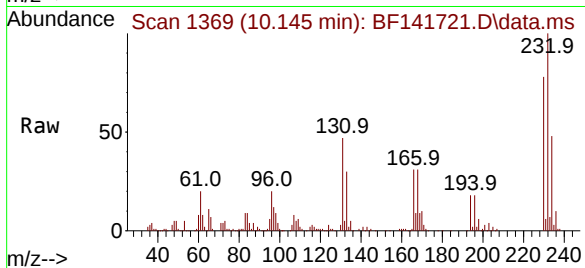




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.583 ng
RT: 10.145 min Scan# 1369
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

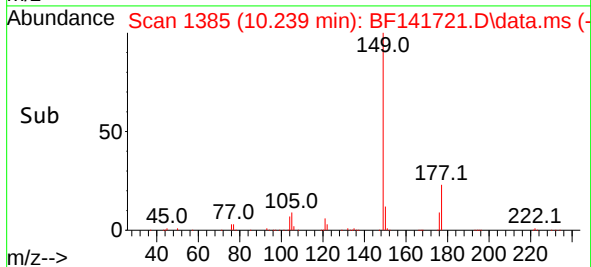
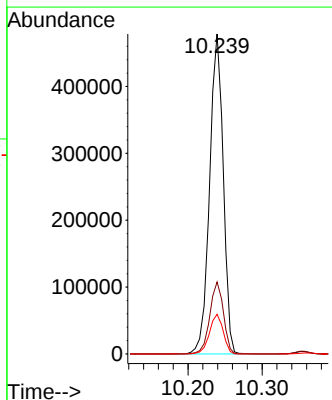
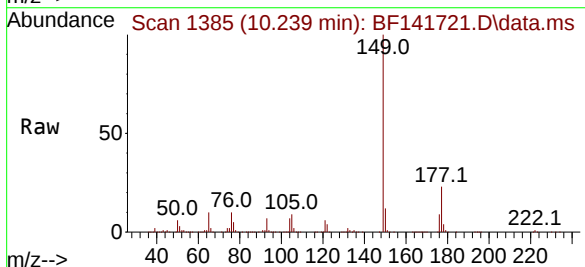
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

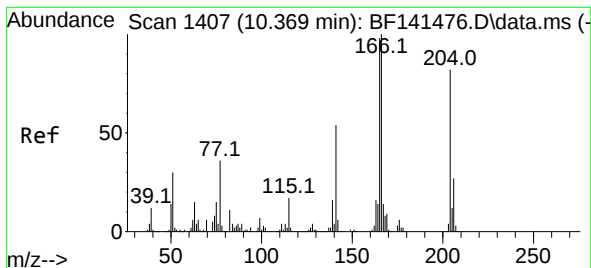
Tgt Ion:232 Resp: 160579
Ion Ratio Lower Upper
232 100
131 46.3 39.2 58.8
130 2.2 2.1 3.1
166 28.9 25.1 37.7



#60
Diethylphthalate
Concen: 46.330 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:149 Resp: 611413
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 12.4 10.1 15.1

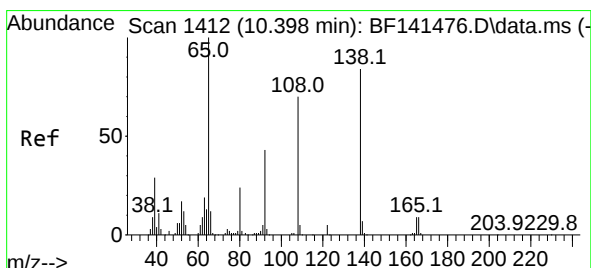
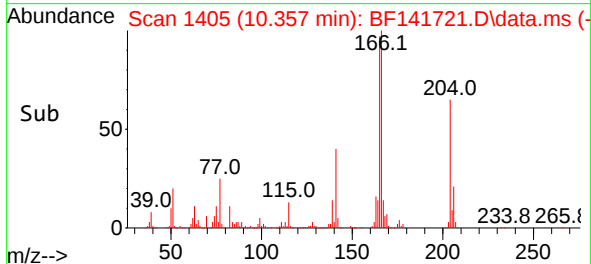
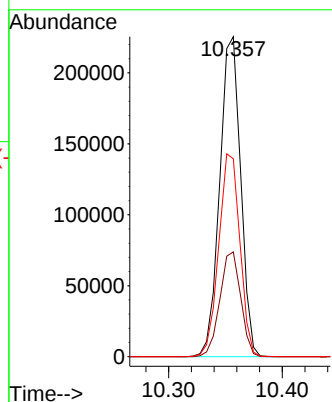
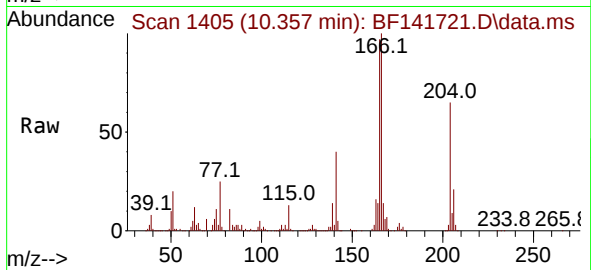




#61
4-Chlorophenyl-phenylether
Concen: 46.762 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

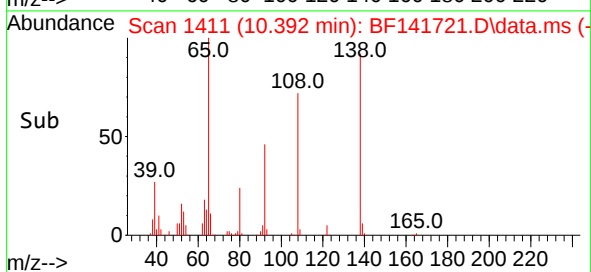
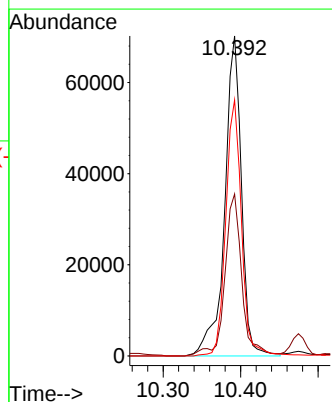
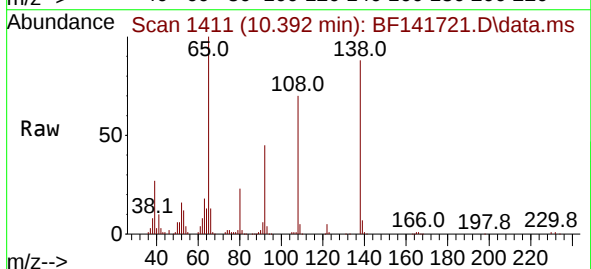
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

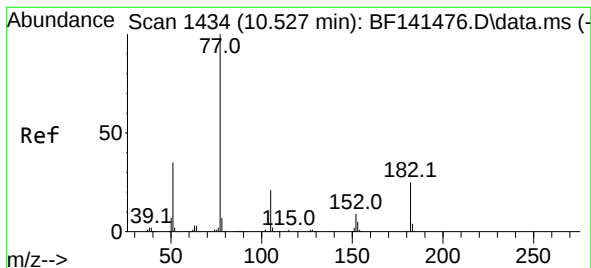
Tgt Ion:204 Resp: 289191
Ion Ratio Lower Upper
204 100
206 32.7 26.6 40.0
141 61.8 51.9 77.9



#62
4-Nitroaniline
Concen: 32.899 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:138 Resp: 105428
Ion Ratio Lower Upper
138 100
92 50.6 31.3 71.3
108 80.0 63.7 103.7





#63

Azobenzene

Concen: 43.424 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion: 77 Resp: 569700

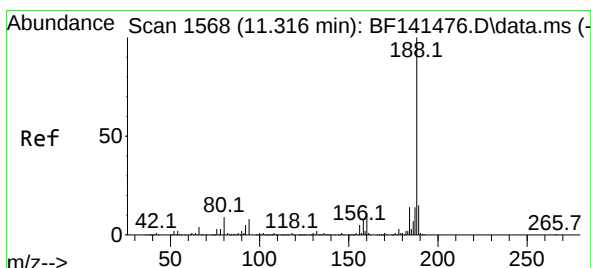
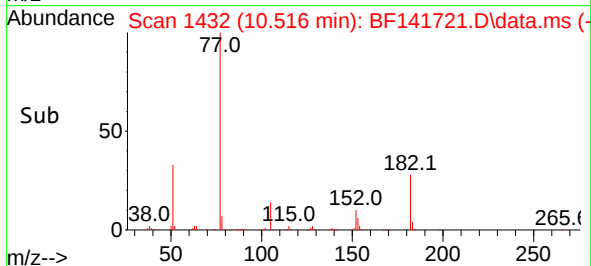
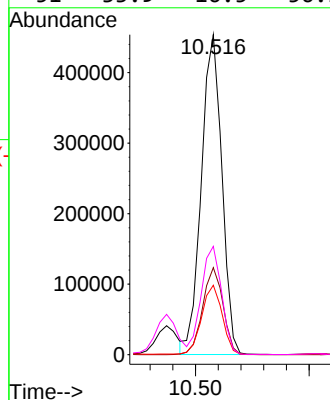
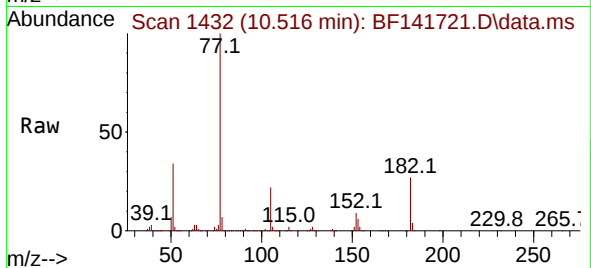
Ion Ratio Lower Upper

77 100

182 27.2 4.7 44.7

105 21.7 0.4 40.4

51 33.9 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

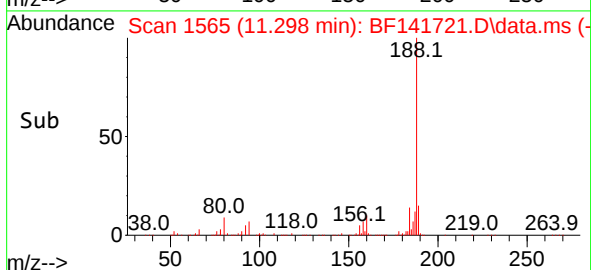
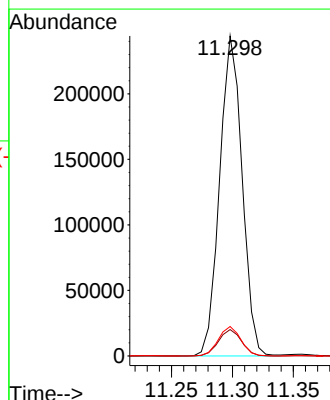
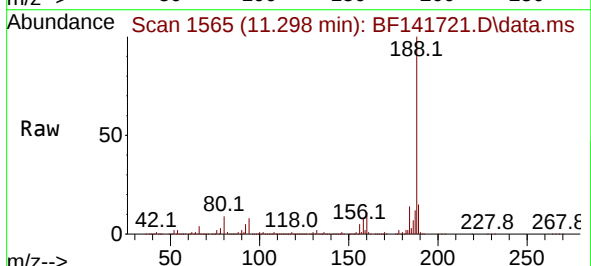
Tgt Ion: 188 Resp: 313720

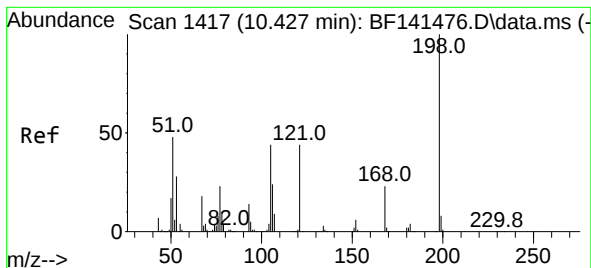
Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.2 7.3 10.9

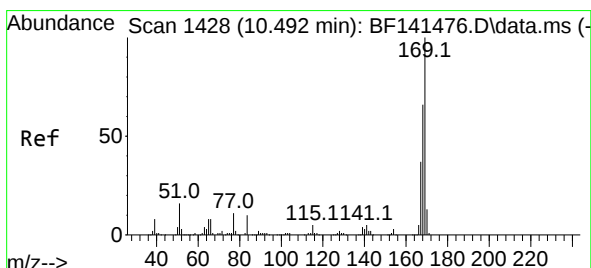
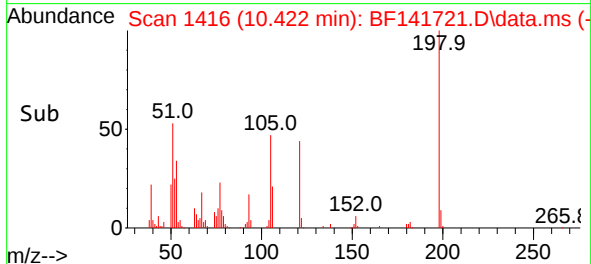
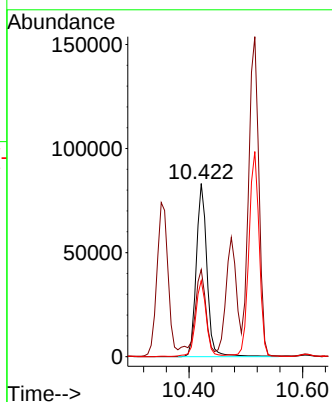
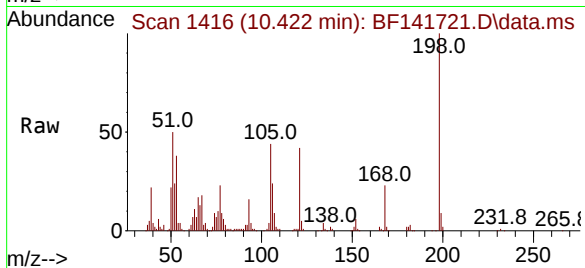




#65
4,6-Dinitro-2-methylphenol
Concen: 50.214 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

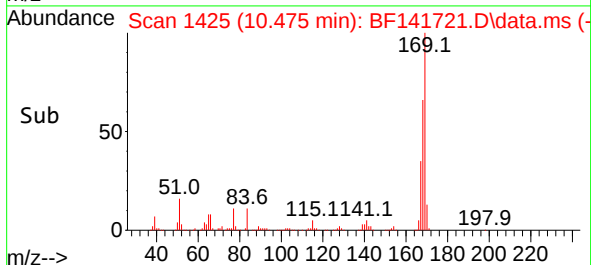
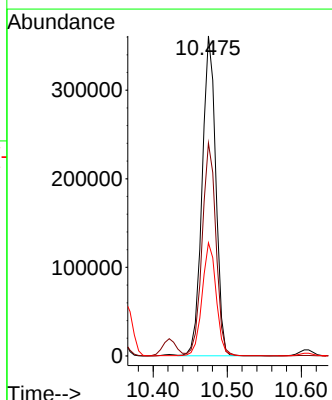
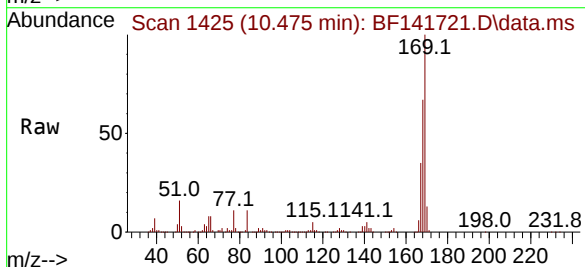
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

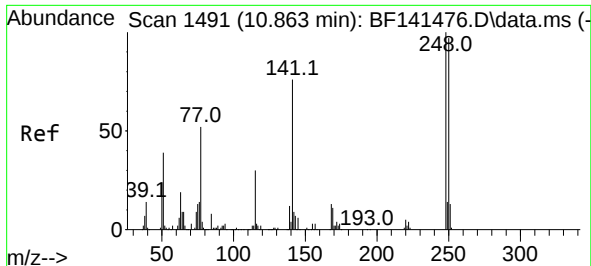
Tgt Ion:198 Resp: 109429
Ion Ratio Lower Upper
198 100
51 50.2 37.4 77.4
105 43.9 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 46.164 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:169 Resp: 463602
Ion Ratio Lower Upper
169 100
168 66.5 53.3 79.9
167 35.3 29.4 44.2

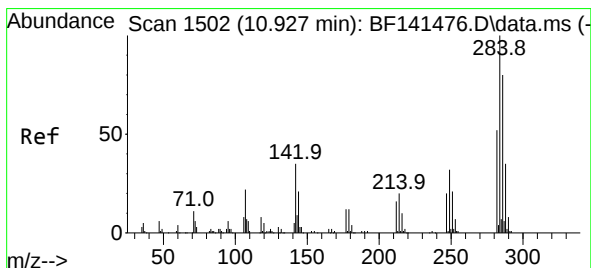
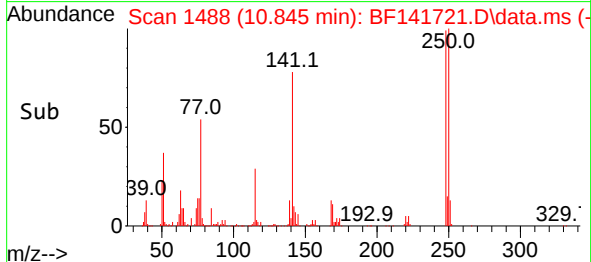
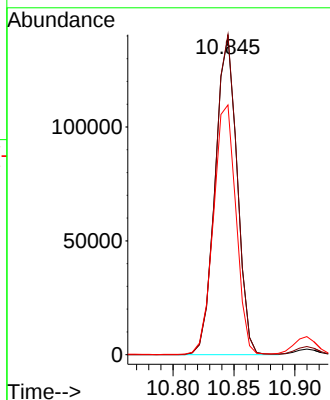
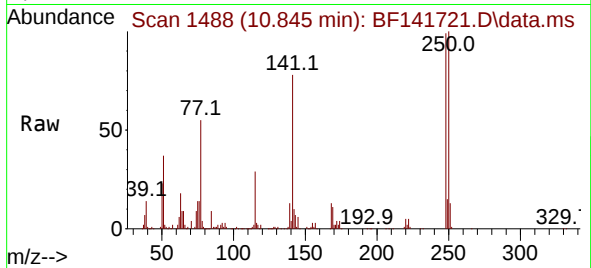




#67
4-Bromophenyl-phenylether
Concen: 50.115 ng
RT: 10.845 min Scan# 1488
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

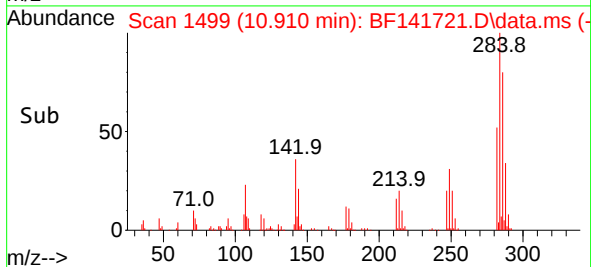
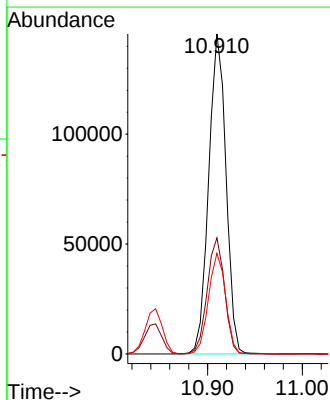
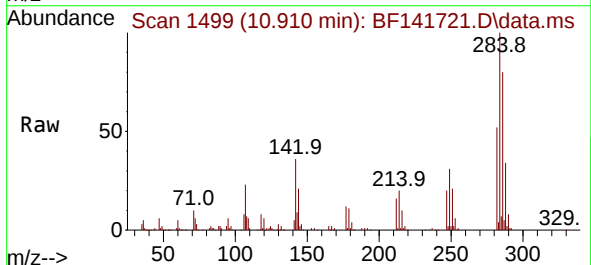
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

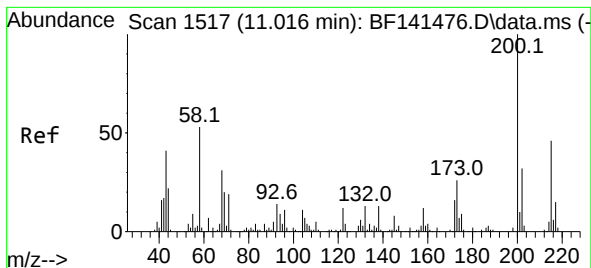
Tgt Ion:248 Resp: 175714
Ion Ratio Lower Upper
248 100
250 100.5 77.8 116.6
141 78.5 60.6 90.8



#68
Hexachlorobenzene
Concen: 51.281 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:284 Resp: 185150
Ion Ratio Lower Upper
284 100
142 36.3 28.0 42.0
249 31.4 25.8 38.8





#69

Atrazine

Concen: 44.887 ng

RT: 11.004 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

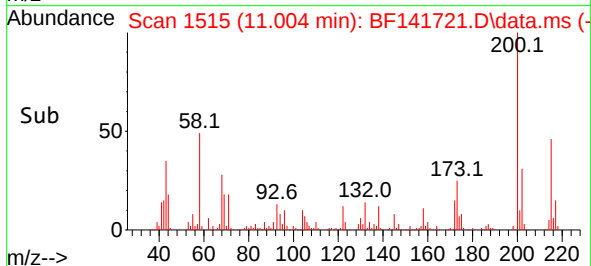
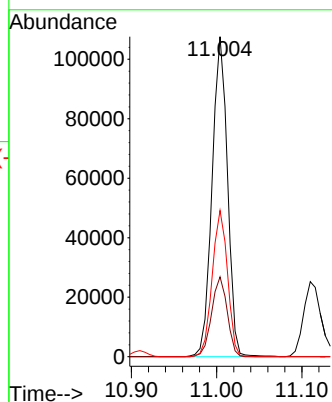
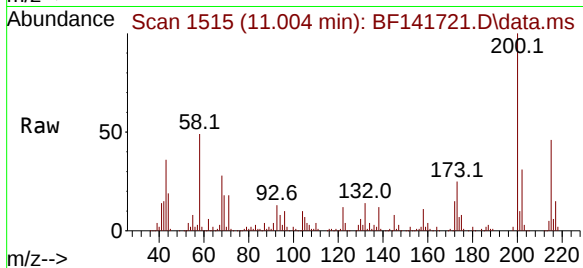
Tgt Ion:200 Resp: 135234

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

215 45.7 25.9 65.9



#70

Pentachlorophenol

Concen: 89.517 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

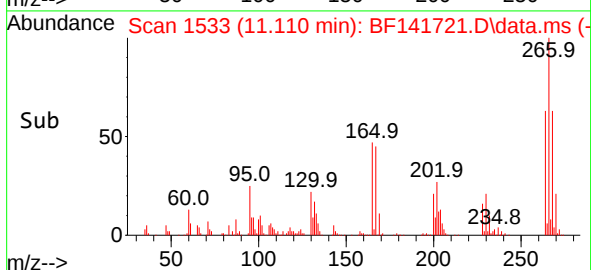
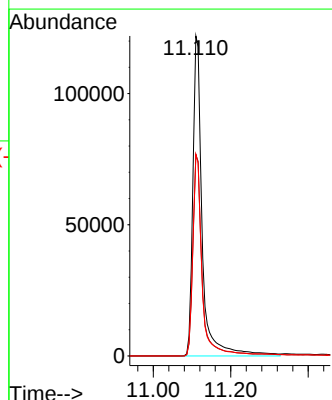
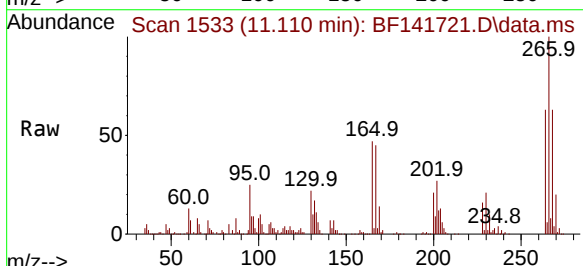
Tgt Ion:266 Resp: 206659

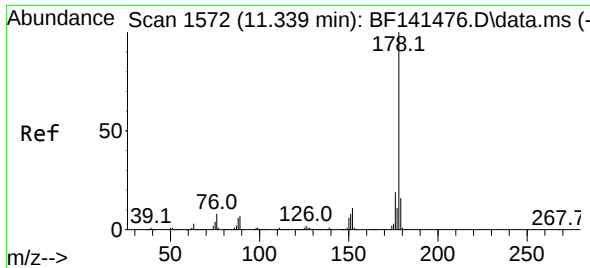
Ion Ratio Lower Upper

266 100

268 62.9 50.1 75.1

264 63.0 50.1 75.1

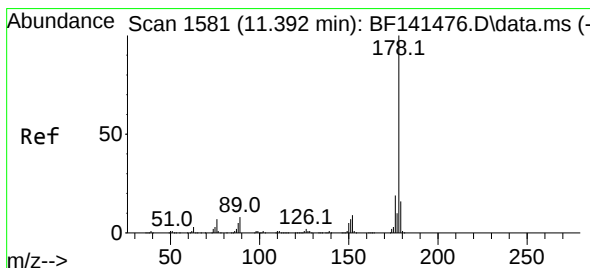
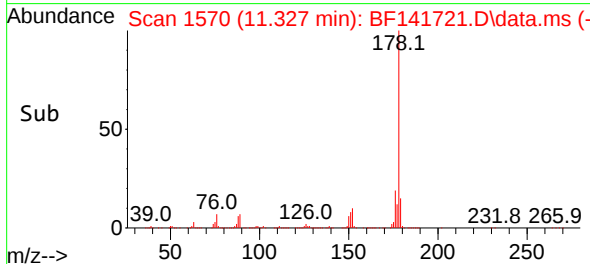
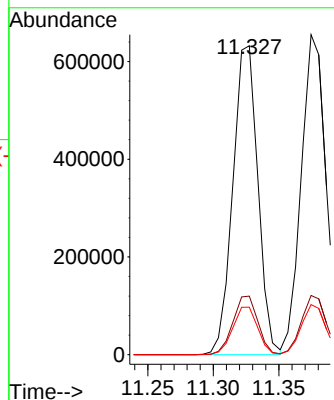
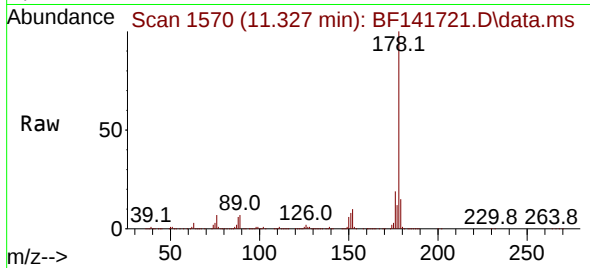




#71
Phenanthrene
Concen: 48.714 ng
RT: 11.327 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

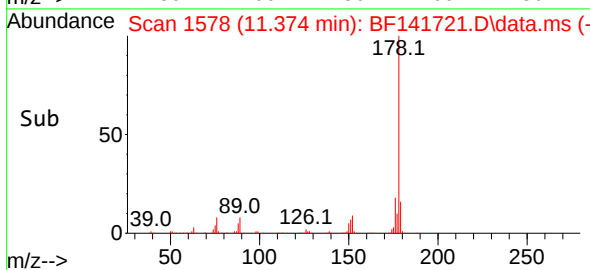
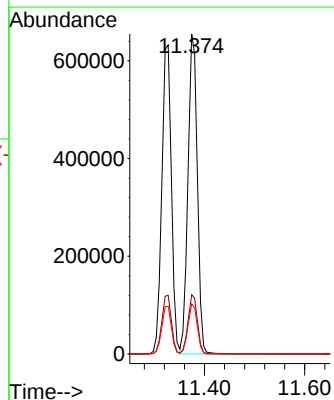
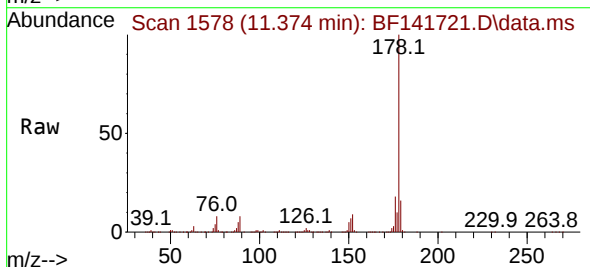
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

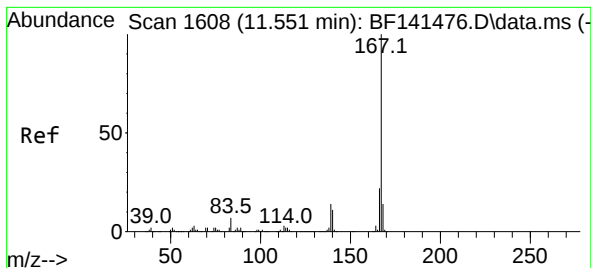
Tgt Ion:178 Resp: 841233
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 49.119 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:178 Resp: 852683
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.6 12.4 18.6





#73

Carbazole

Concen: 41.216 ng

RT: 11.533 min Scan# 1605

Delta R.T. -0.018 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

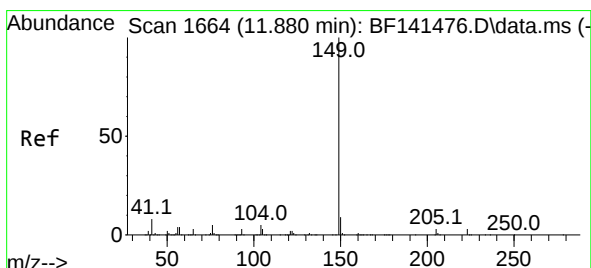
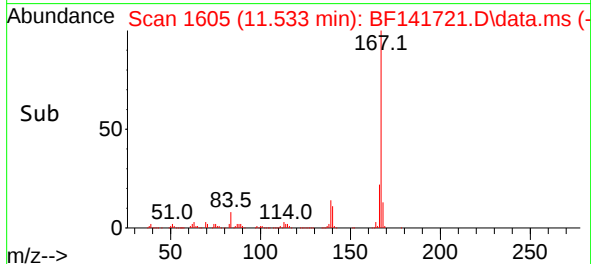
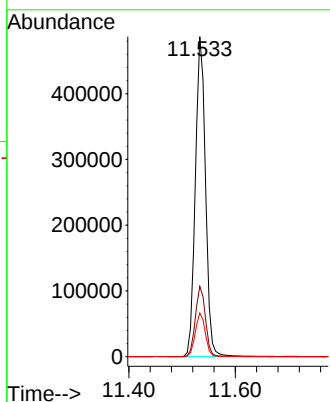
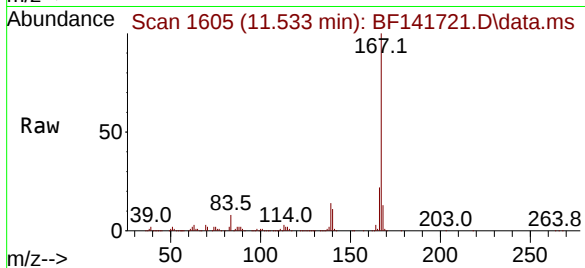
Tgt Ion:167 Resp: 643782

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 13.6 10.9 16.3



#74

Di-n-butylphthalate

Concen: 47.579 ng

RT: 11.857 min Scan# 1660

Delta R.T. -0.023 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

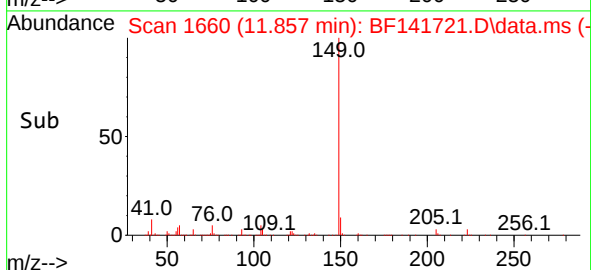
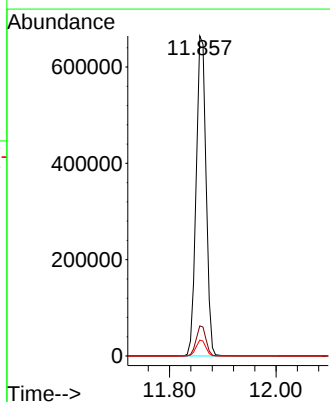
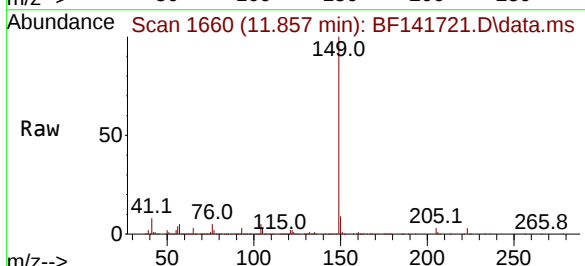
Tgt Ion:149 Resp: 858118

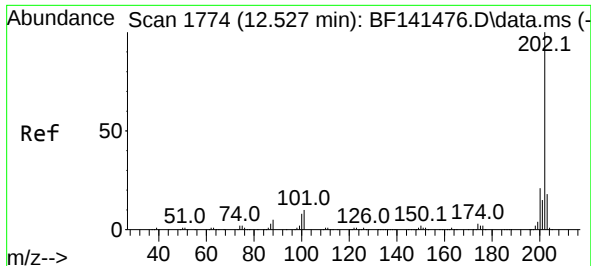
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.0 4.2 6.2

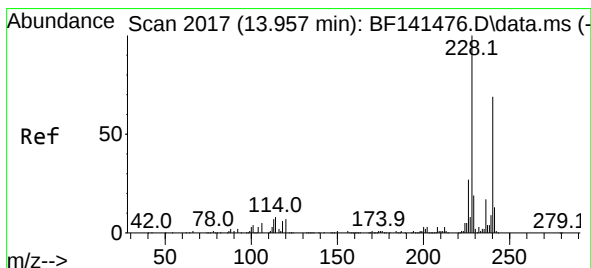
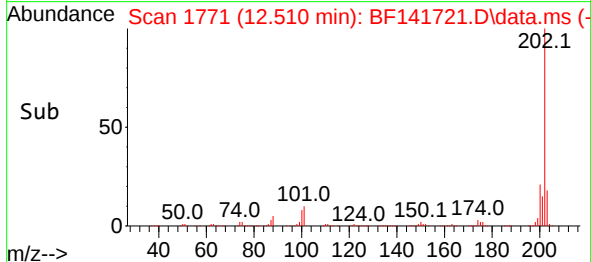
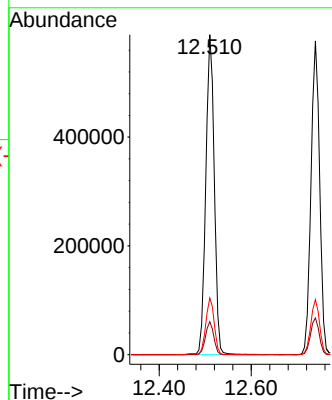
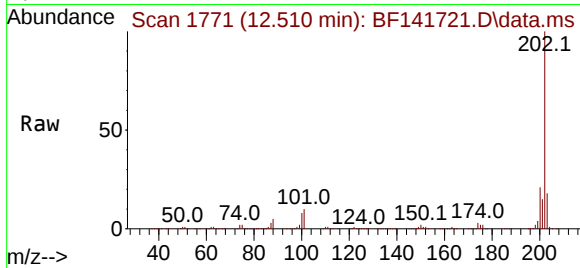




#75
 Fluoranthene
 Concen: 41.538 ng
 RT: 12.510 min Scan# 1
 Delta R.T. -0.023 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

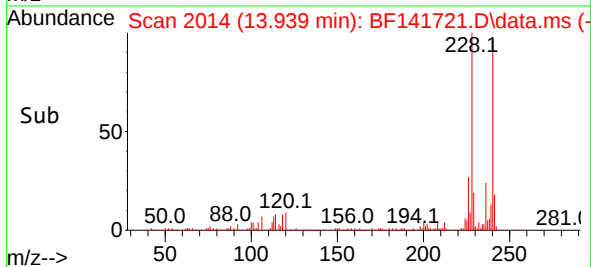
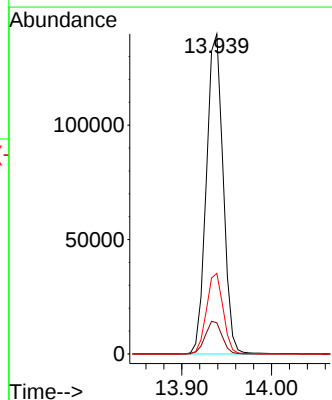
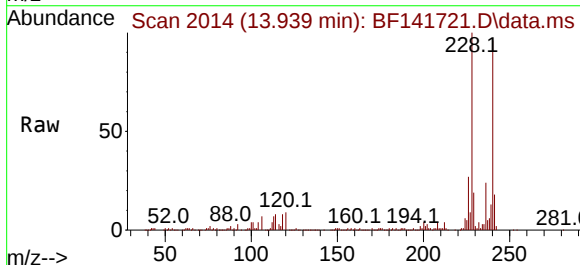
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

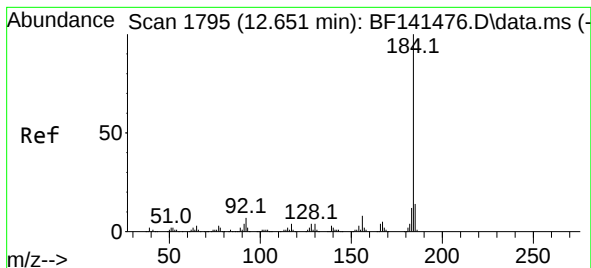
Tgt Ion:202 Resp: 760491
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.2
 203 17.7 0.0 37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.023 min
 Lab File: BF141721.D
 Acq: 21 Feb 2025 15:47

Tgt Ion:240 Resp: 181154
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.0 12.0
 236 25.2 19.8 29.8





#77

Benzidine

Concen: 5.123 ng

RT: 12.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

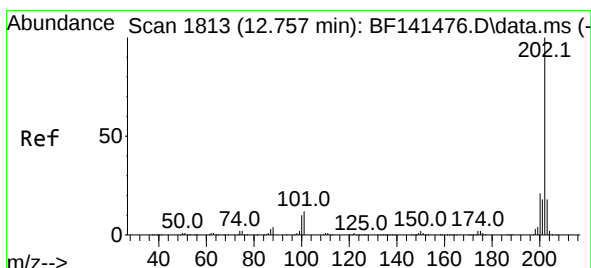
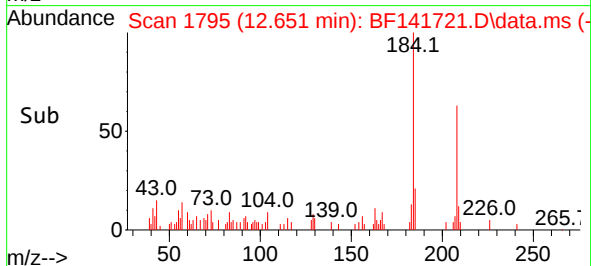
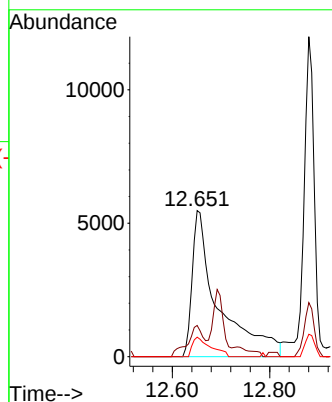
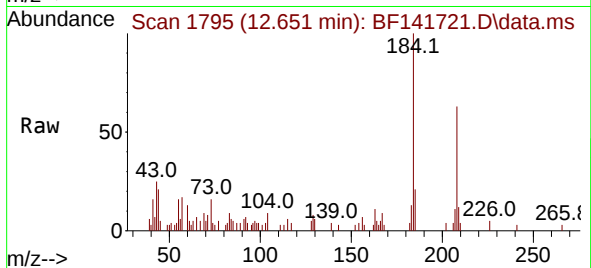
Tgt Ion:184 Resp: 20466

Ion Ratio Lower Upper

184 100

185 21.4 11.3 16.9#

183 13.4 9.3 13.9



#78

Pyrene

Concen: 48.622 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

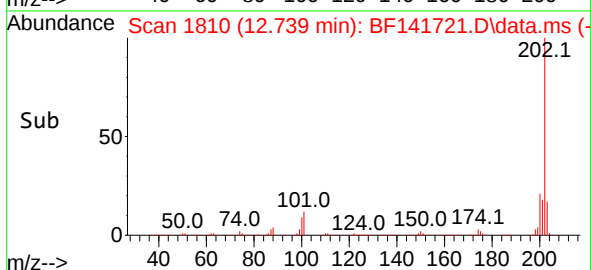
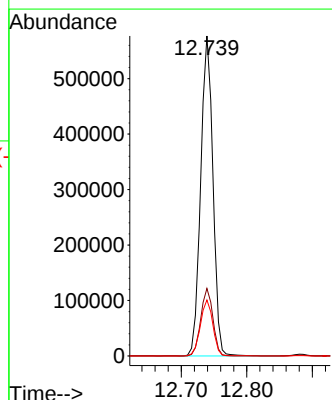
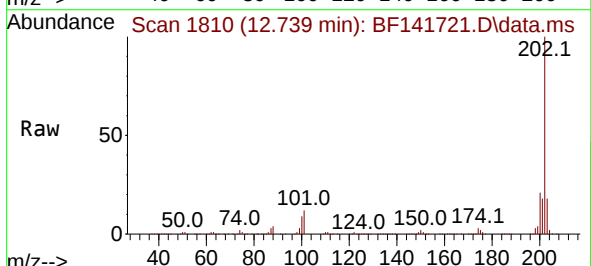
Tgt Ion:202 Resp: 749809

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 109.670 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

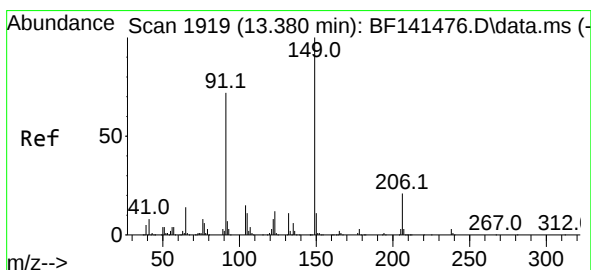
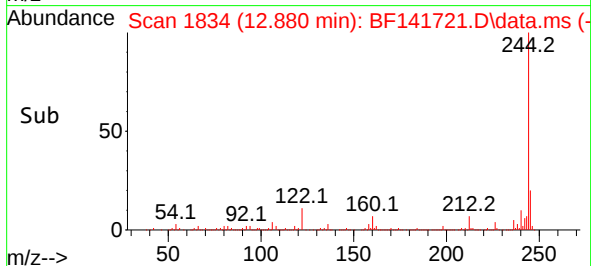
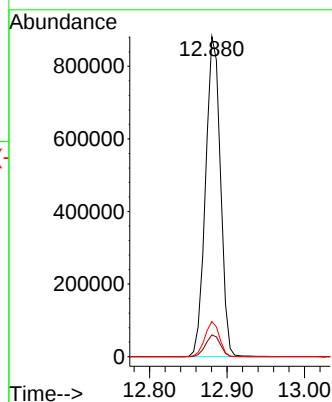
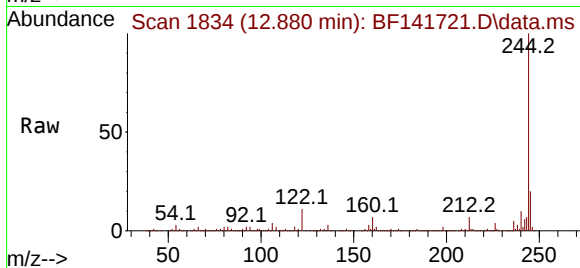
Tgt Ion:244 Resp: 1176848

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.0 8.4 12.6



#80

Butylbenzylphthalate

Concen: 51.974 ng

RT: 13.357 min Scan# 1915

Delta R.T. -0.023 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

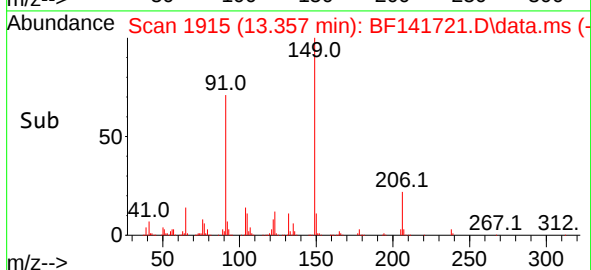
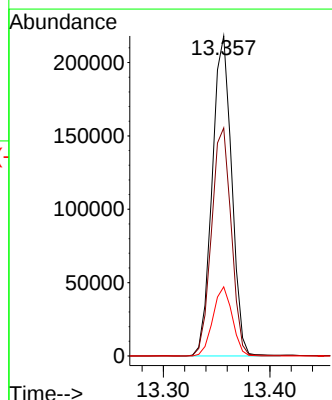
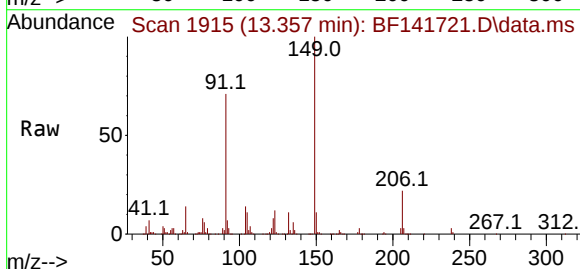
Tgt Ion:149 Resp: 277617

Ion Ratio Lower Upper

149 100

91 71.3 57.8 86.8

206 21.6 16.7 25.1

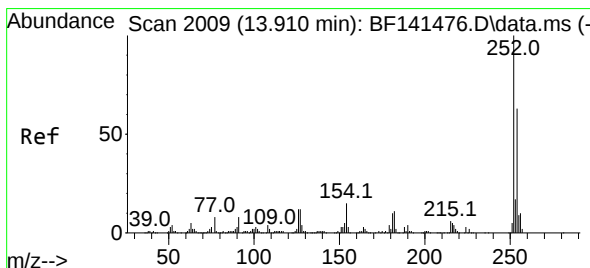
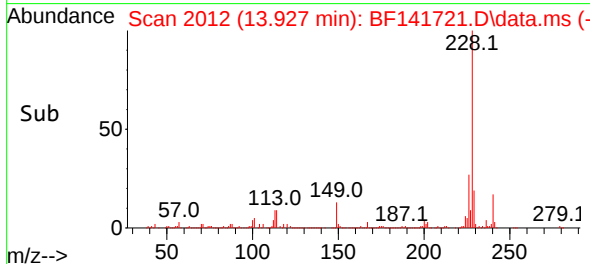
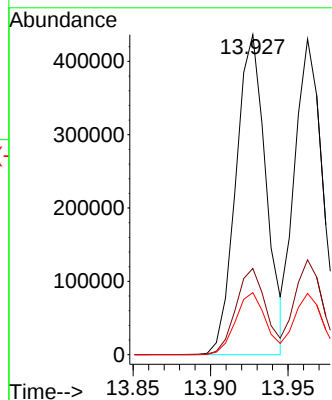
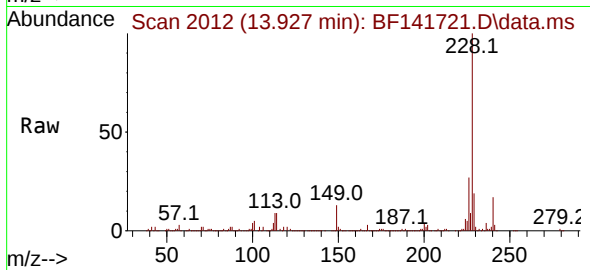




#81
Benzo(a)anthracene
Concen: 49.074 ng
RT: 13.927 min Scan# 2015
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

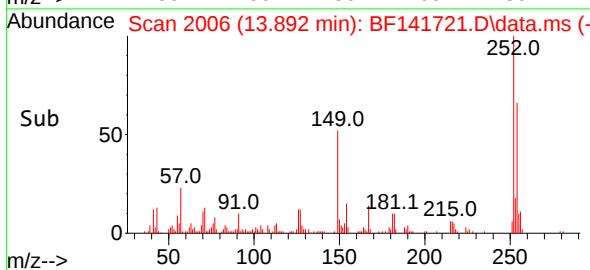
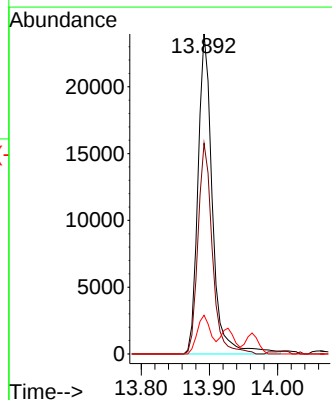
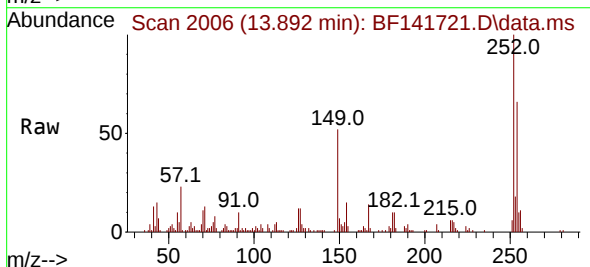
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

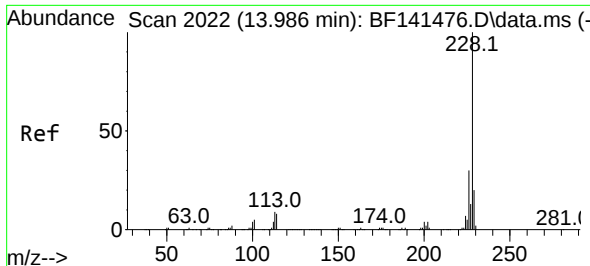
Tgt Ion:228 Resp: 590942
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.4 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 10.203 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:252 Resp: 35195
Ion Ratio Lower Upper
252 100
254 65.9 50.6 76.0
126 12.1 9.3 13.9

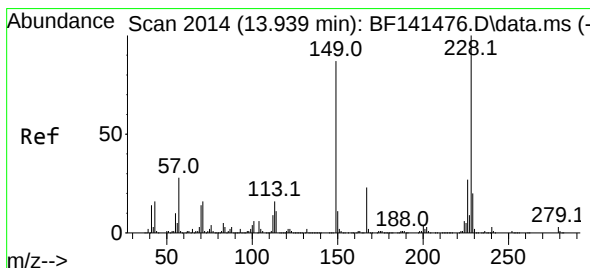
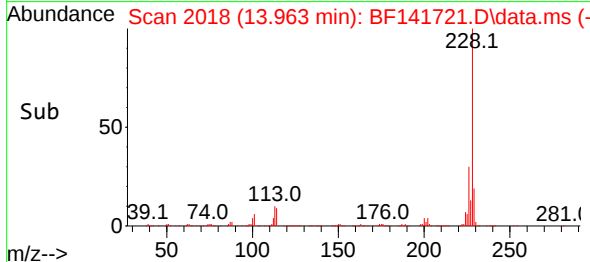
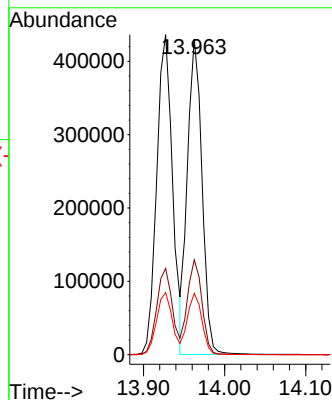
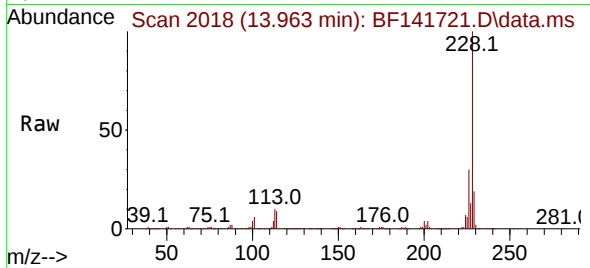




#83
Chrysene
Concen: 48.445 ng
RT: 13.963 min Scan# 2009
Delta R.T. -0.029 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

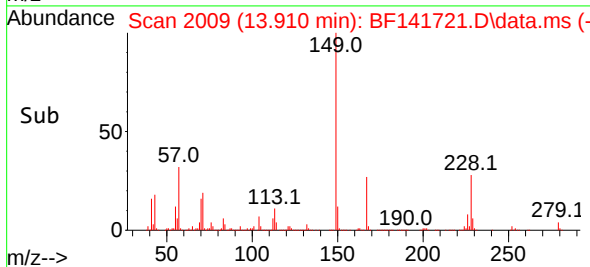
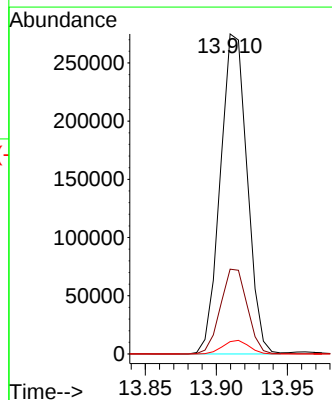
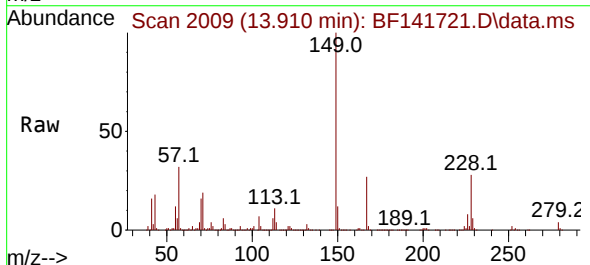
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

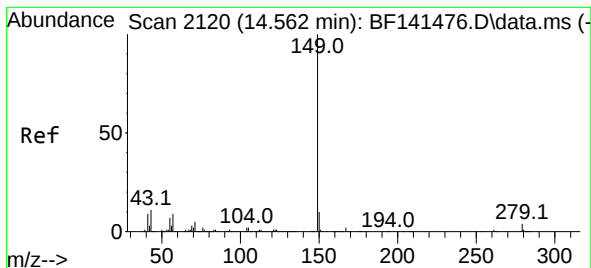
Tgt Ion:228 Resp: 538654
Ion Ratio Lower Upper
228 100
226 30.1 24.0 36.0
229 19.4 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 60.002 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.029 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:149 Resp: 361469
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 3.8 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 69.804 ng

RT: 14.521 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

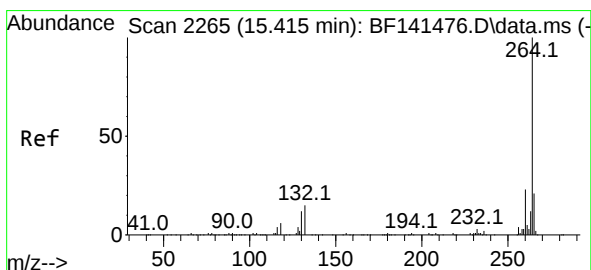
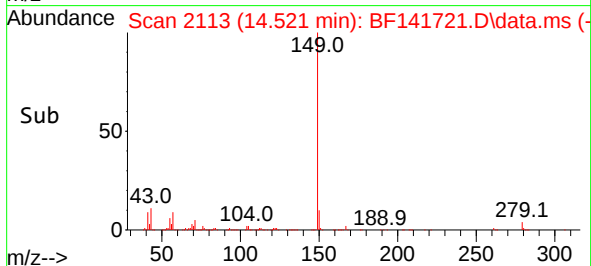
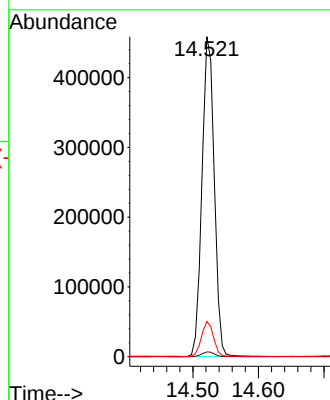
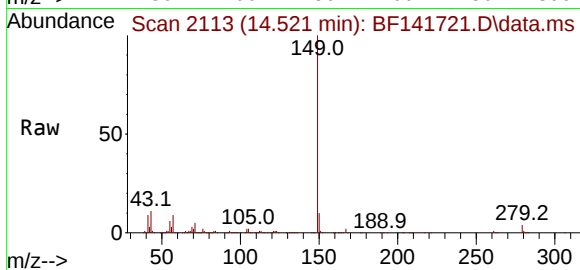
Tgt Ion:149 Resp: 599908

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.6 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: BF141721.D

Acq: 21 Feb 2025 15:47

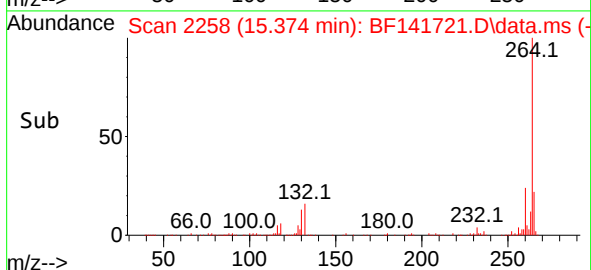
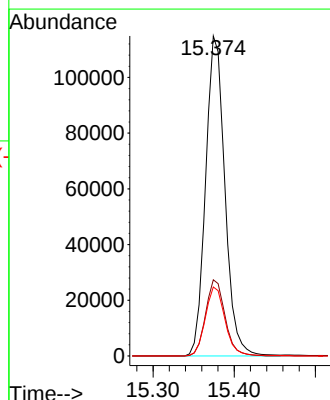
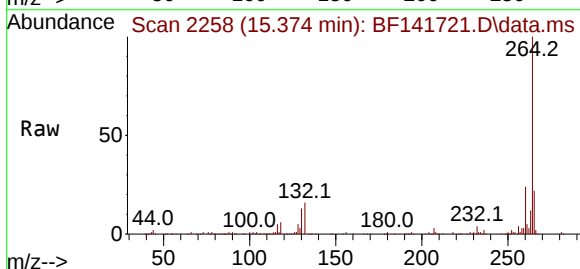
Tgt Ion:264 Resp: 189452

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.741 ng

RT: 16.809 min Scan# 2188

Delta R.T. -0.065 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

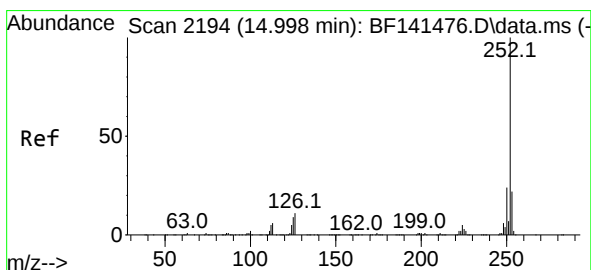
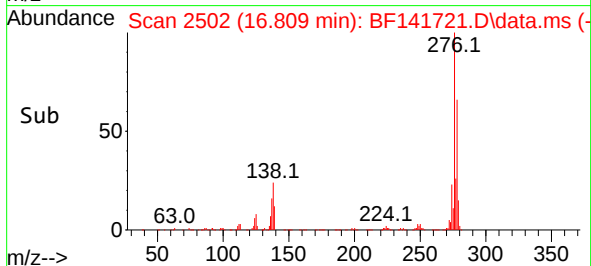
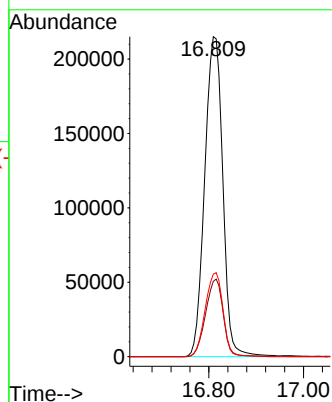
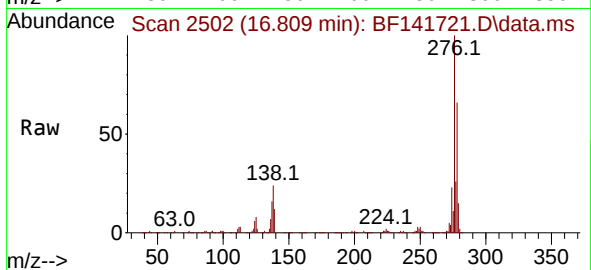
Tgt Ion:276 Resp: 570566

Ion Ratio Lower Upper

276 100

138 23.6 18.0 27.0

277 26.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 45.042 ng

RT: 14.962 min Scan# 2188

Delta R.T. -0.041 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

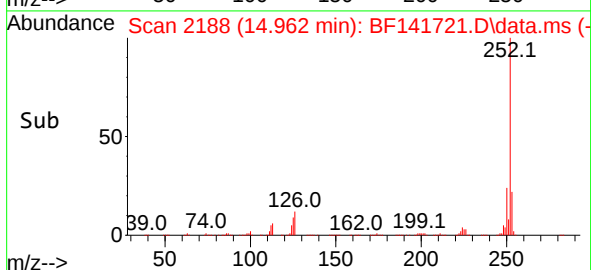
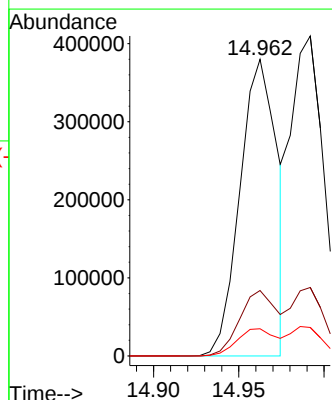
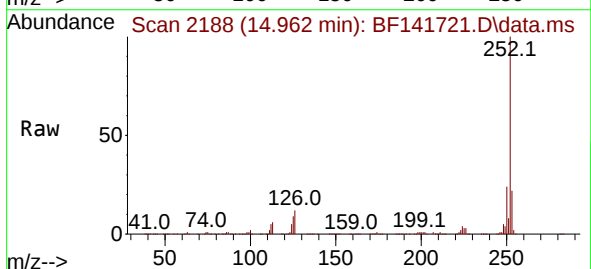
Tgt Ion:252 Resp: 572971

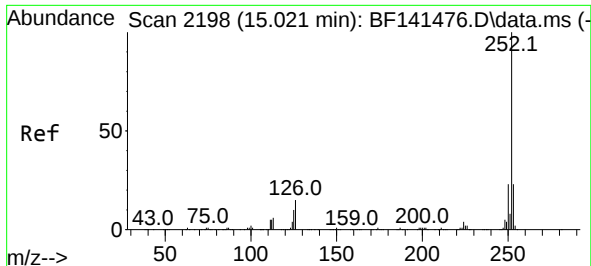
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 51.321 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.041 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

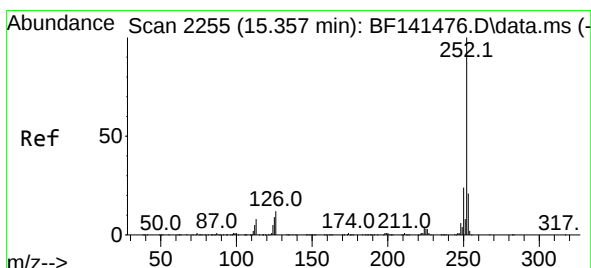
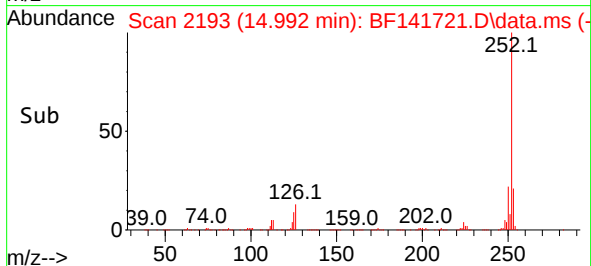
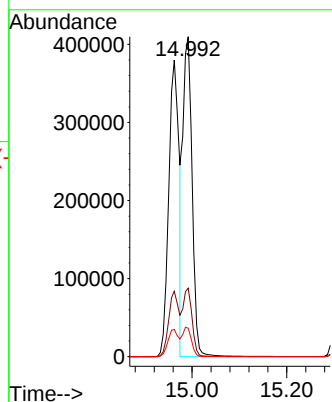
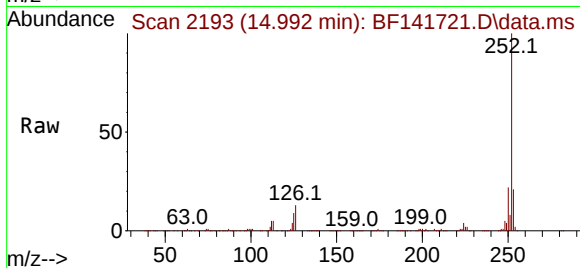
Tgt Ion:252 Resp: 557469

Ion Ratio Lower Upper

252 100

253 21.4 18.0 27.0

125 8.9 7.4 11.0



#90

Benzo(a)pyrene

Concen: 52.155 ng

RT: 15.315 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141721.D

Acq: 21 Feb 2025 15:47

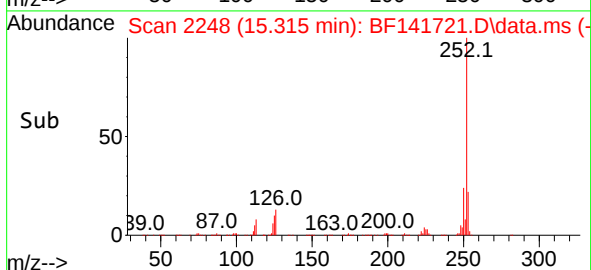
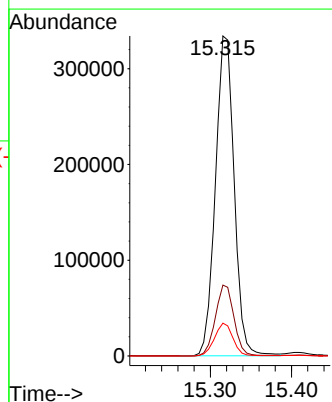
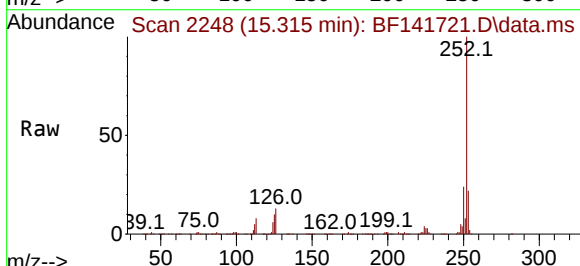
Tgt Ion:252 Resp: 536840

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

125 10.2 7.4 11.2

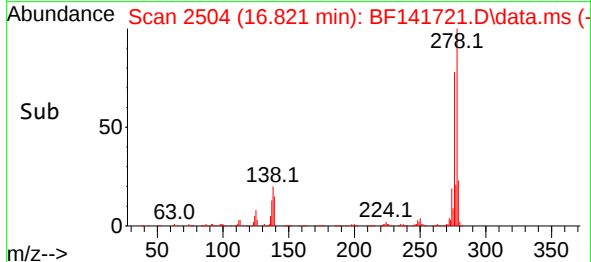
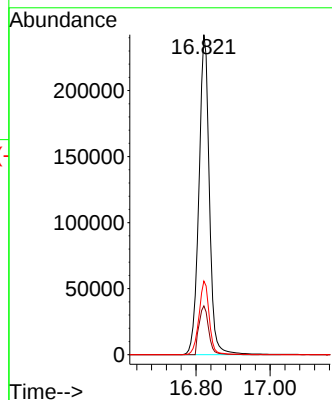
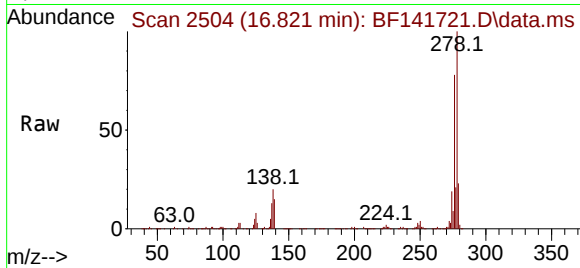




#91
Dibenzo(a,h)anthracene
Concen: 49.897 ng
RT: 16.821 min Scan# 21
Delta R.T. -0.070 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:278 Resp: 473288
Ion Ratio Lower Upper
278 100
139 15.3 11.8 17.6
279 23.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 41.981 ng
RT: 17.239 min Scan# 2575
Delta R.T. -0.076 min
Lab File: BF141721.D
Acq: 21 Feb 2025 15:47

Tgt Ion:276 Resp: 416705
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 19.4 15.9 23.9

