

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
 Data File : BF122058.D
 Acq On : 21 Oct 2020 16:42
 Operator : JU/CG
 Sample : L4433-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR-SOIL-PILE

Quant Time: Oct 21 17:05:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

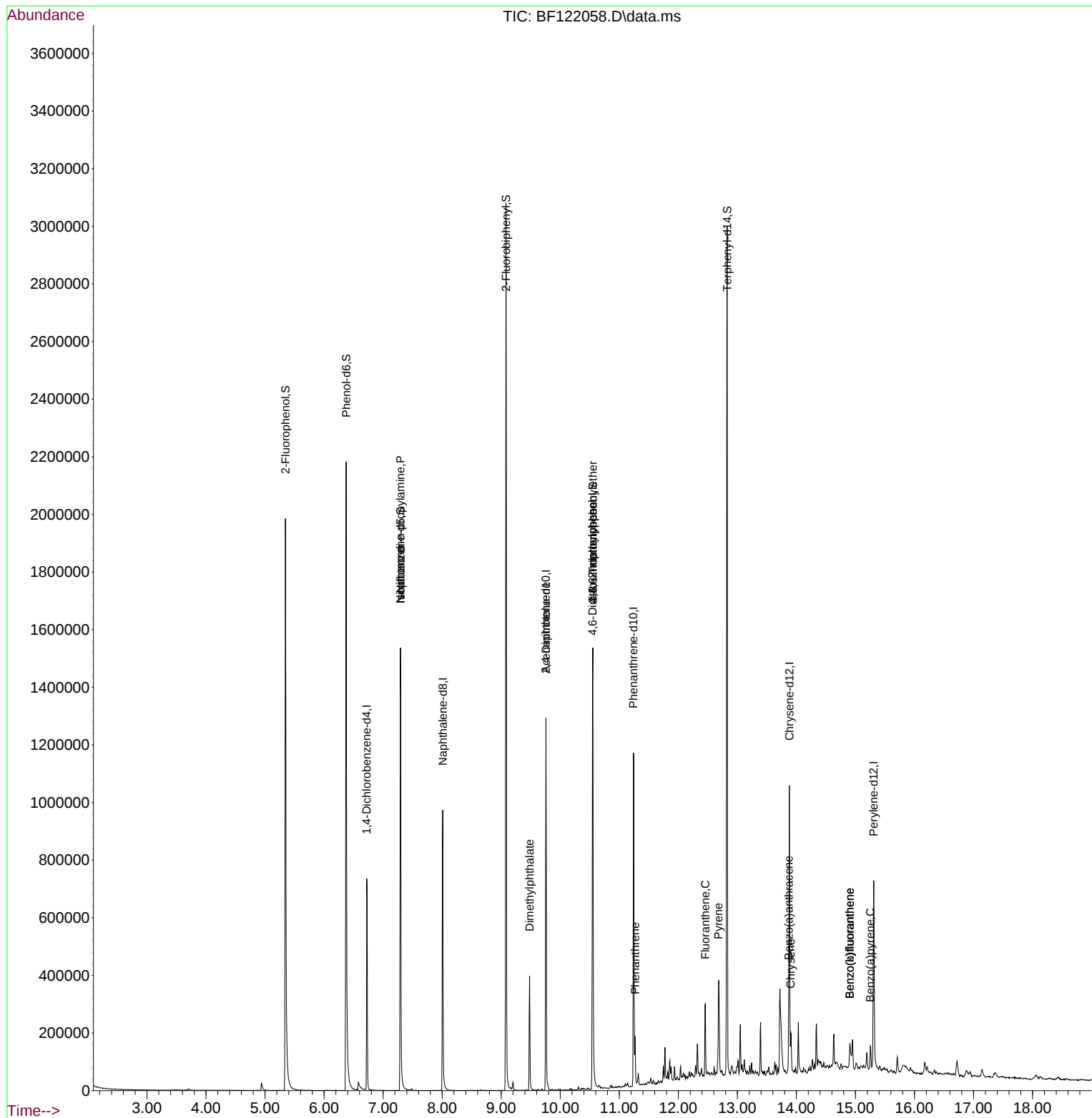
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	109578	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	449677	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	235705	20.00	ng	0.00
64) Phenanthrene-d10	11.239	188	439193	20.00	ng	0.00
76) Chrysene-d12	13.880	240	295665	20.00	ng	0.00
86) Perylene-d12	15.309	264	264197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	603280	81.26	ng	0.00
7) Phenol-d6	6.375	99	760573	79.58	ng	0.00
23) Nitrobenzene-d5	7.292	82	528124	60.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	219924	75.43	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	936991	58.49	ng	0.00
79) Terphenyl-d14	12.827	244	930427	59.97	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1129	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.292	70	69907	12.85	ng	# 80
25) Isophorone	7.292	82	523269	31.56	ng	# 67
50) Dimethylphthalate	9.480	163	169849	9.85	ng	98
57) 2,4-Dinitrotoluene	9.757	165	29891	6.42	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.545	198	360	4.54	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	13000	2.56	ng	# 1
71) Phenanthrene	11.268	178	62128	2.58	ng	98
75) Fluoranthene	12.457	202	101069	3.91	ng	97
78) Pyrene	12.680	202	128383	5.70	ng	97
81) Benzo(a)anthracene	13.868	228	57437	2.96	ng	98
83) Chrysene	13.904	228	51603	2.71	ng	99
88) Benzo(b)fluoranthene	14.903	252	61385	3.44	ng	# 97
89) Benzo(k)fluoranthene	14.903	252	61385	3.62	ng	# 96
90) Benzo(a)pyrene	15.251	252	37682	2.44	ng	# 95

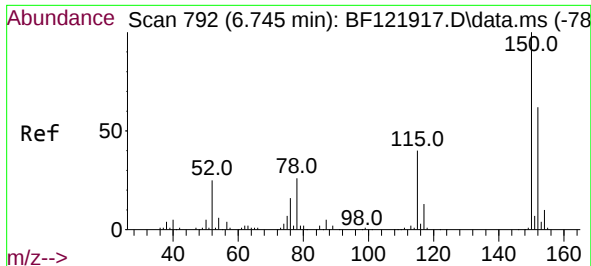
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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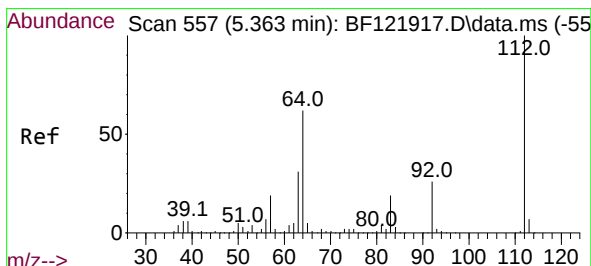
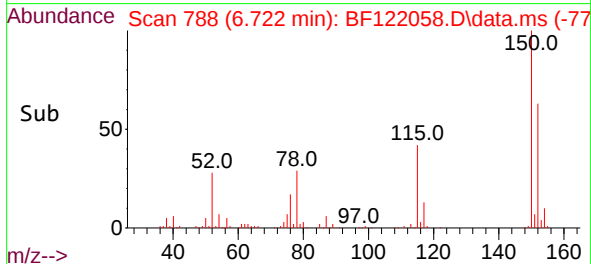
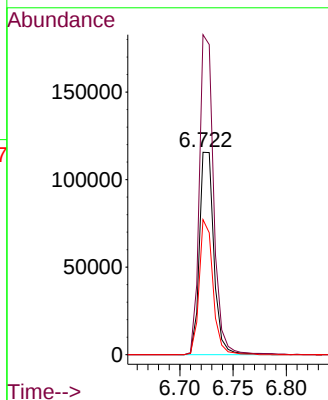
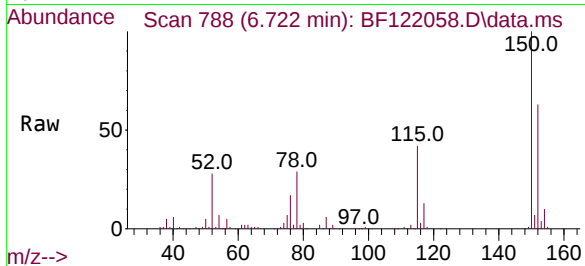




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

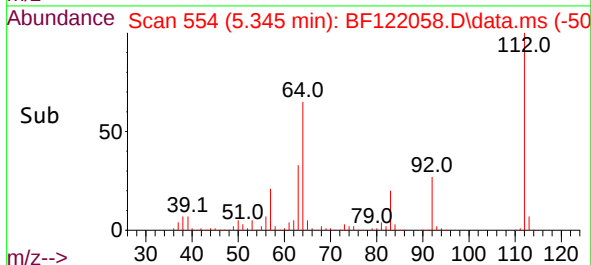
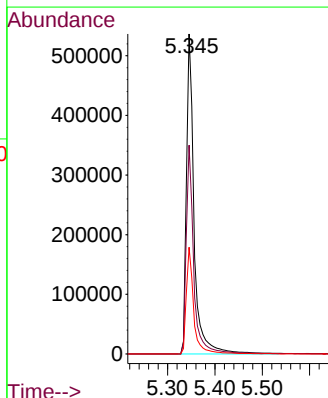
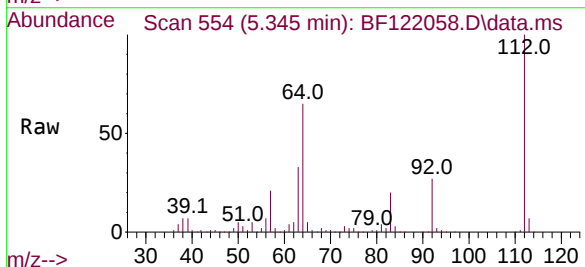
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ClientSampleId :
PR-SOIL-PILE

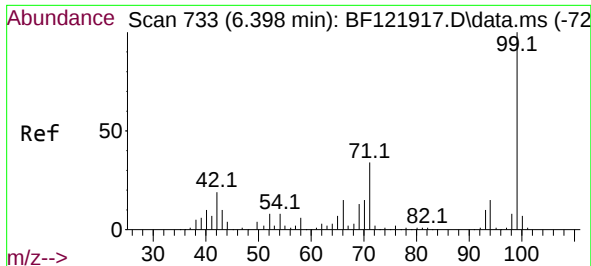
Tgt Ion:152 Resp: 109578
Ion Ratio Lower Upper
152 100
150 158.1 125.3 187.9
115 66.7 51.9 77.9



#5
2-Fluorophenol
Concen: 81.26 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:112 Resp: 603280
Ion Ratio Lower Upper
112 100
64 65.3 50.4 75.6
63 33.4 25.8 38.6

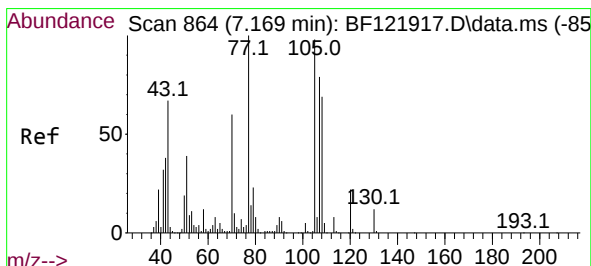
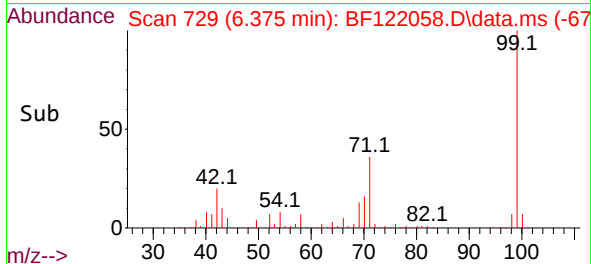
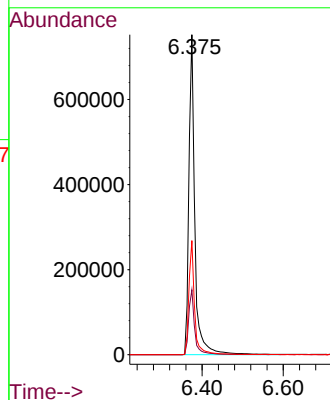
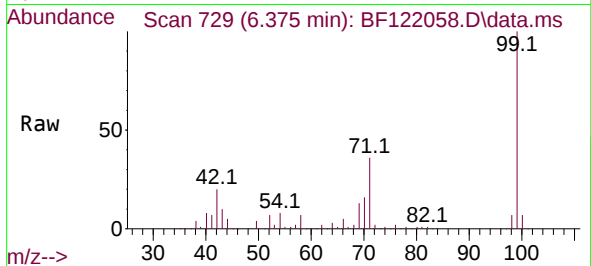




#7
Phenol-d6
Concen: 79.58 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

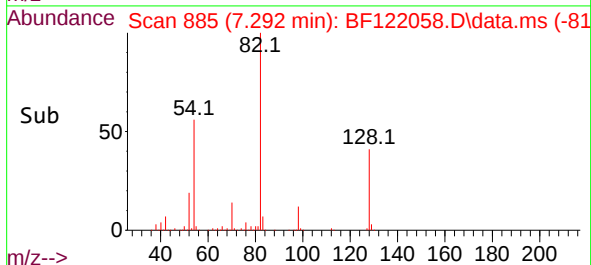
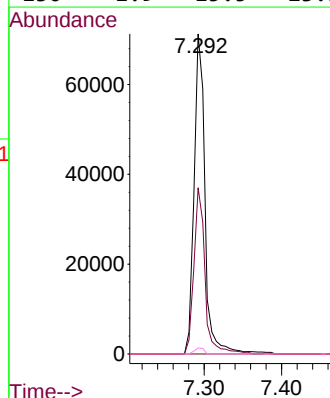
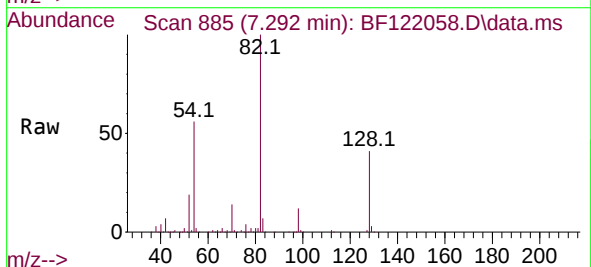
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

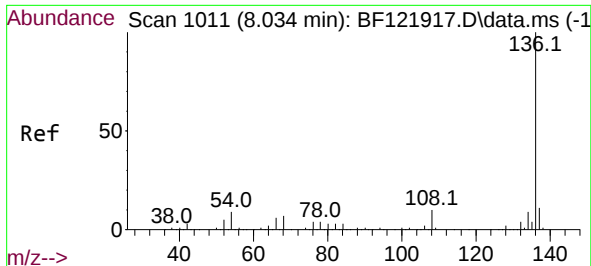
Tgt Ion: 99 Resp: 760573
Ion Ratio Lower Upper
99 100
42 20.3 15.9 23.9
71 35.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.85 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion: 70 Resp: 69907
Ion Ratio Lower Upper
70 100
42 51.9 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

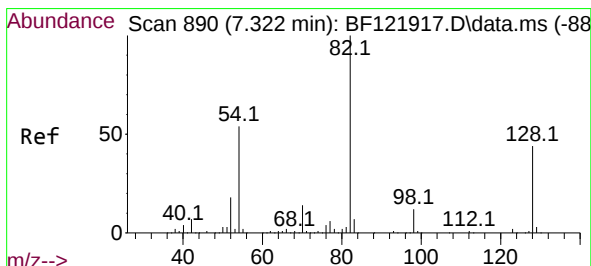
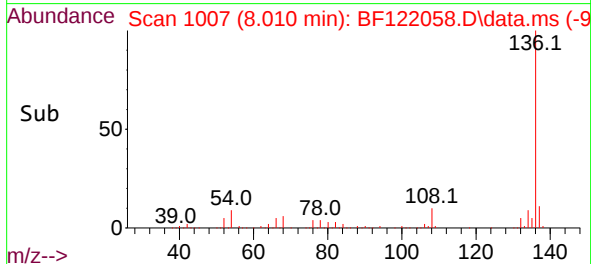
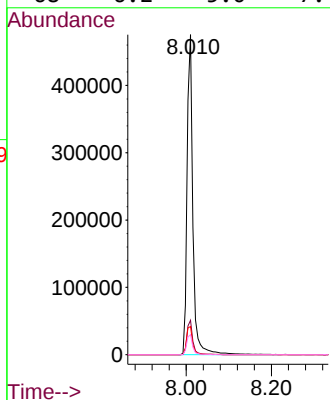
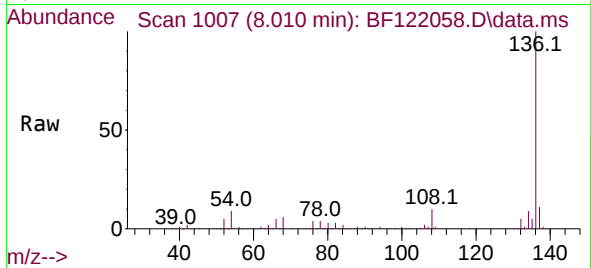




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

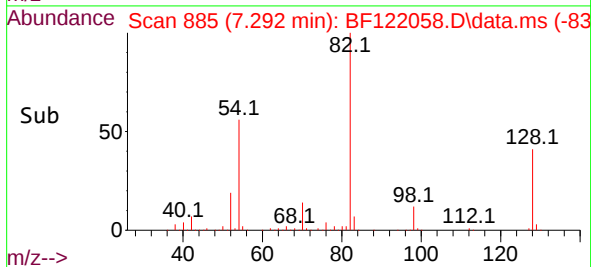
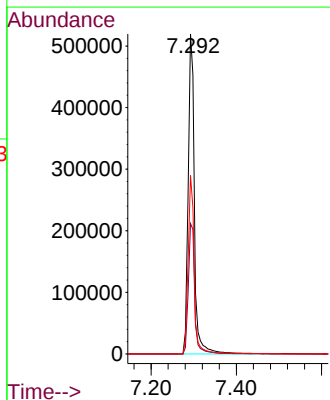
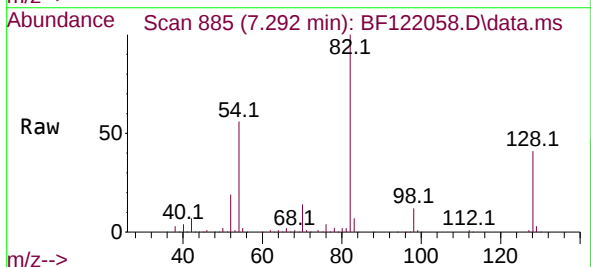
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

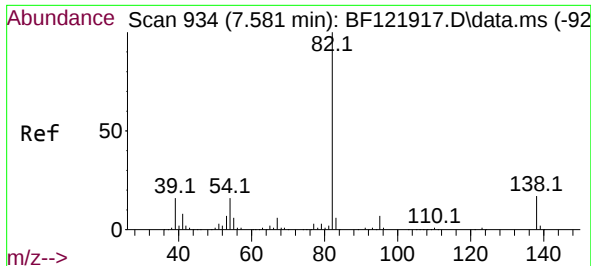
Tgt Ion:136 Resp: 449677
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 7.1 10.7
68 6.2 5.0 7.4



#23
Nitrobenzene-d5
Concen: 60.23 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion: 82 Resp: 528124
Ion Ratio Lower Upper
82 100
128 40.7 35.0 52.4
54 55.8 43.9 65.9

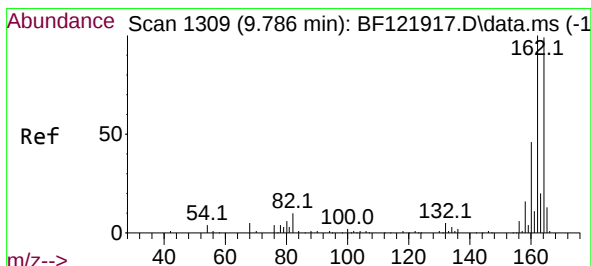
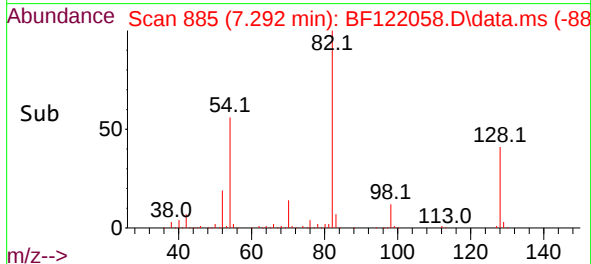
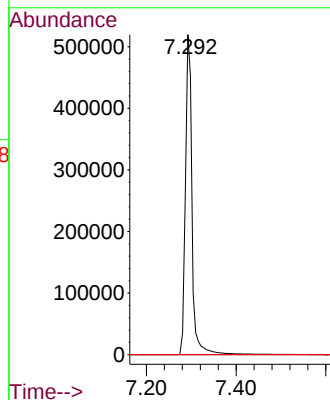
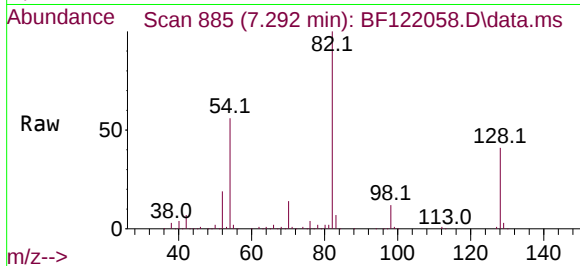




#25
Isophorone
Concen: 31.56 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

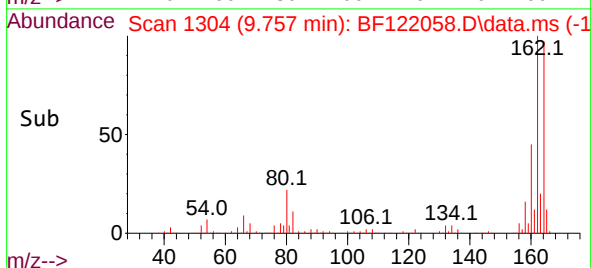
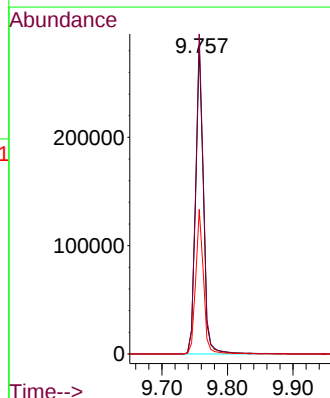
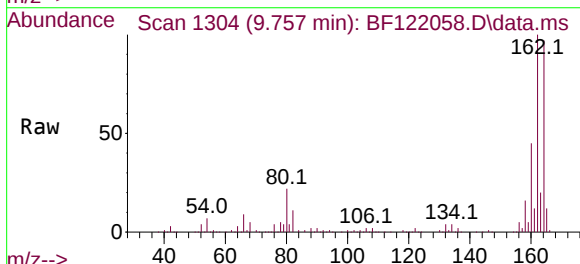
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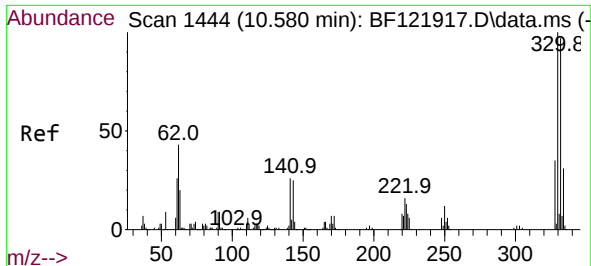
Tgt Ion: 82 Resp: 523269
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:164 Resp: 235705
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 46.7 37.5 56.3

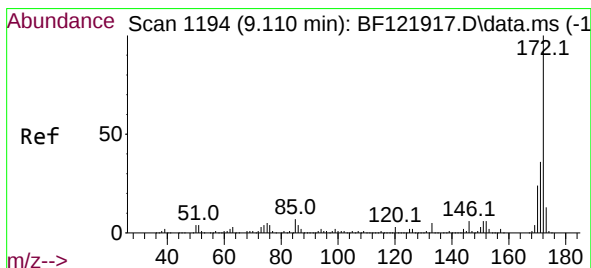
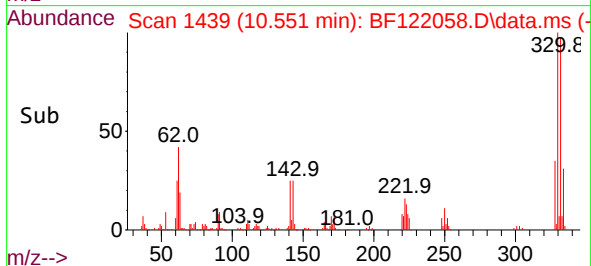
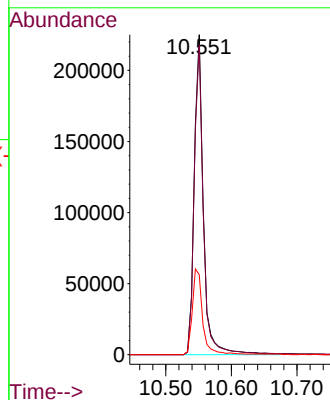
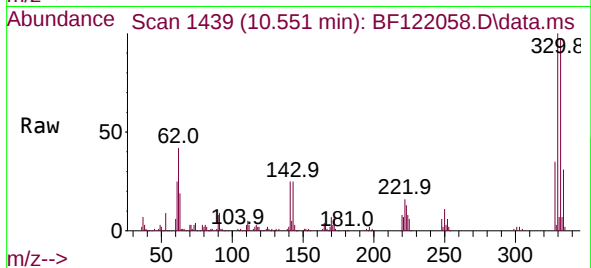




#42
2,4,6-Tribromophenol
Concen: 75.43 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

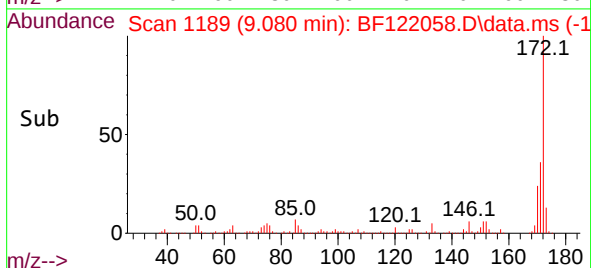
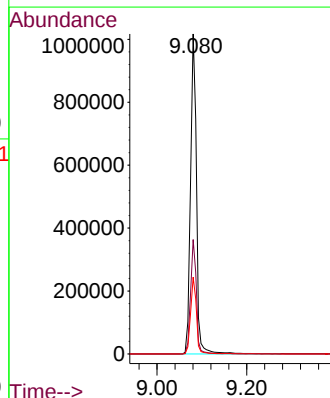
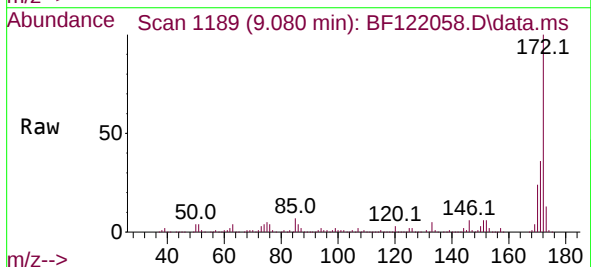
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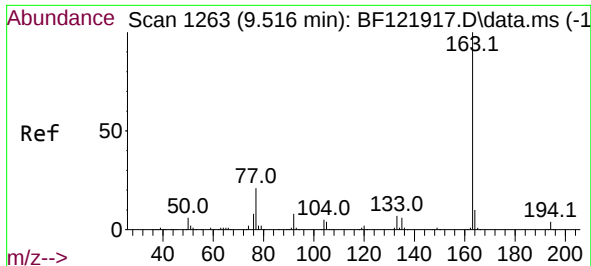
Tgt Ion:330 Resp: 219924
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 30.6 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 58.49 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:172 Resp: 936991
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 24.0 19.8 29.6

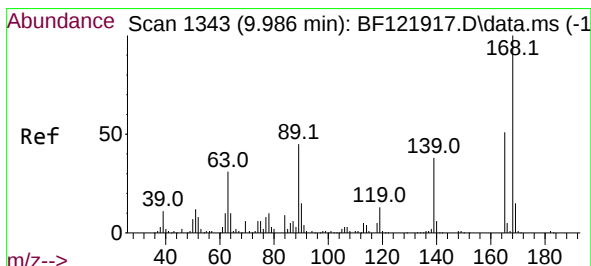
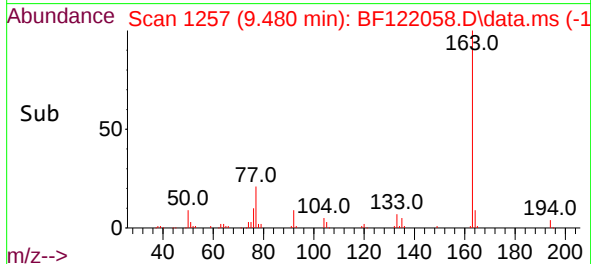
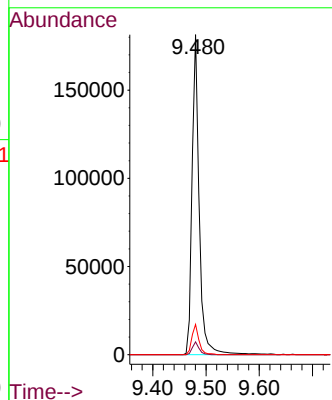
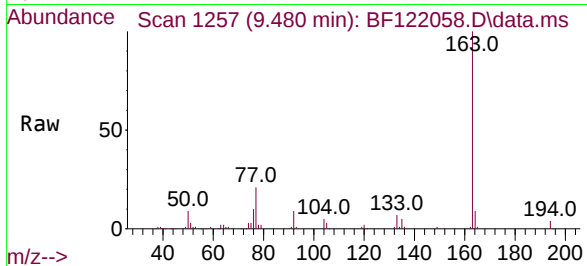




#50
Dimethylphthalate
Concen: 9.85 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

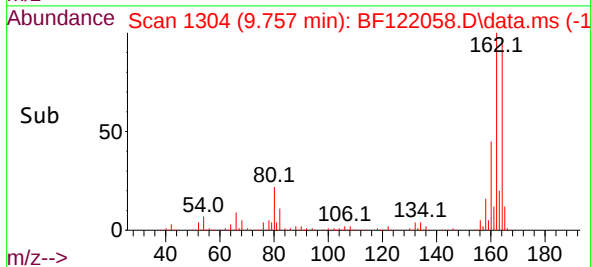
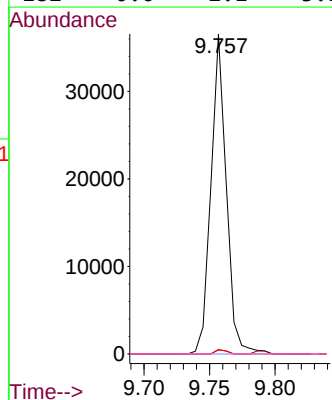
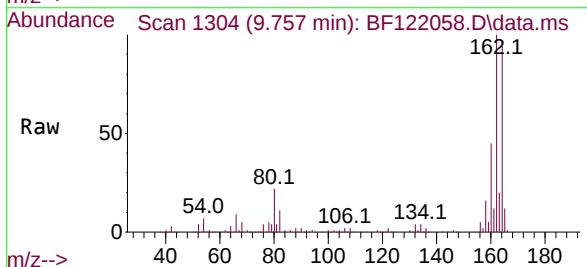
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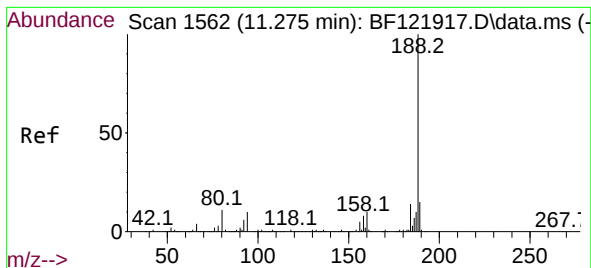
Tgt Ion:163 Resp: 169849
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.5 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:165 Resp: 29891
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.2 61.8 92.8#
182 0.0 2.1 3.1#

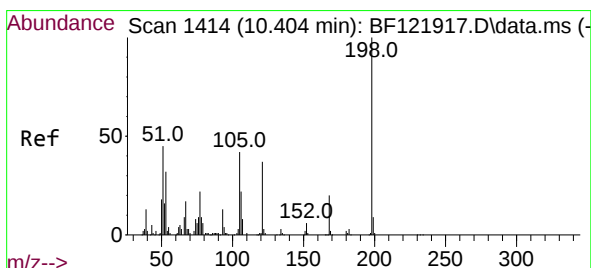
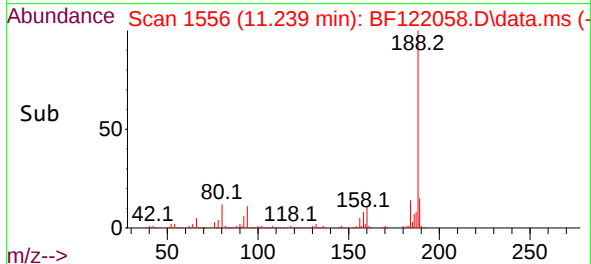
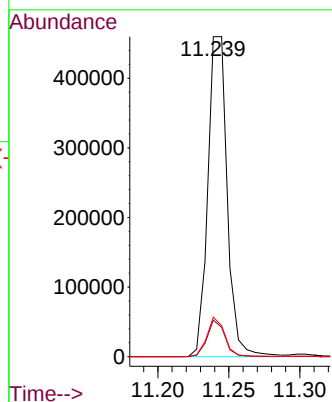
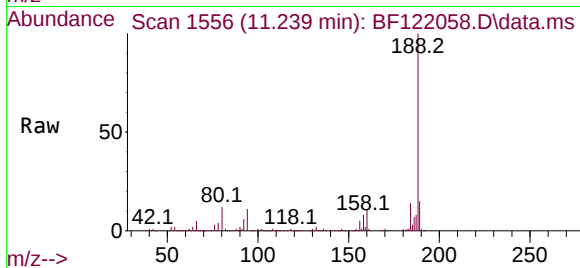




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

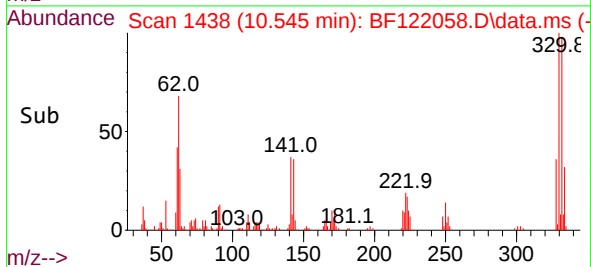
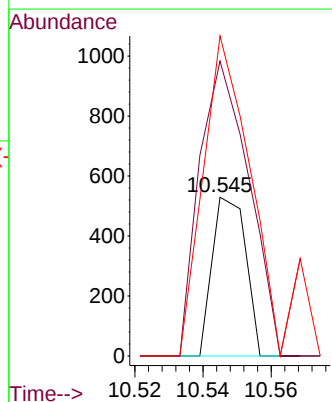
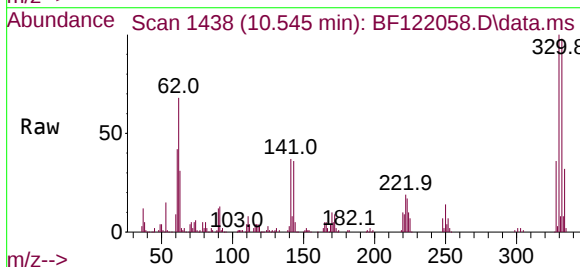
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

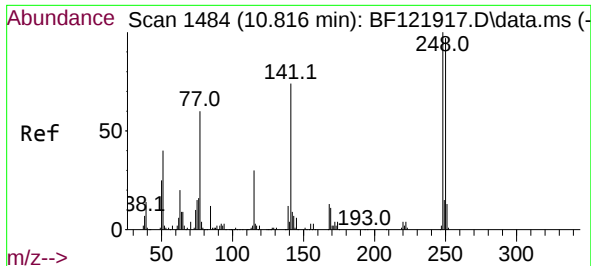
Tgt Ion:188 Resp: 439193
Ion Ratio Lower Upper
188 100
94 11.4 8.3 12.5
80 12.3 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.54 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.159 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:198 Resp: 360
Ion Ratio Lower Upper
198 100
51 185.8 29.6 69.6#
105 201.7 24.4 64.4#

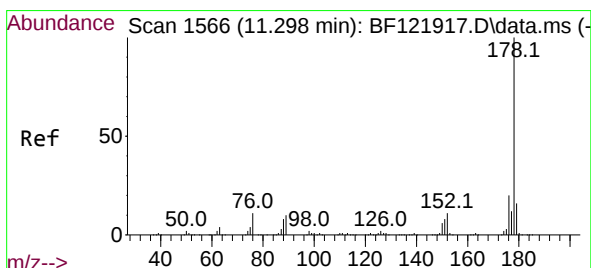
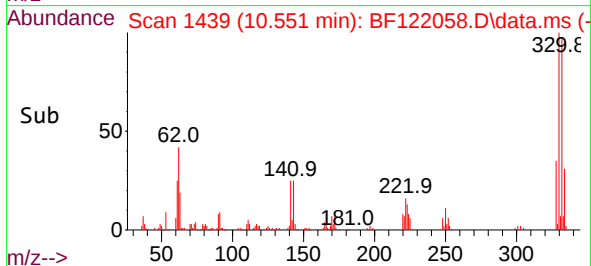
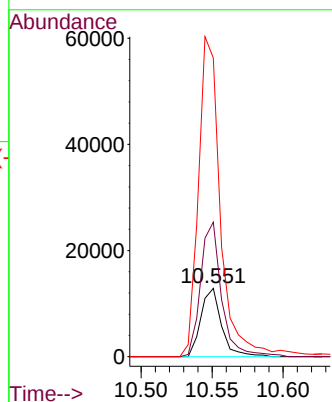
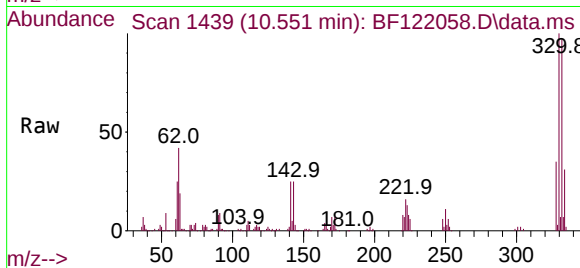




#67
4-Bromophenyl-phenylether
Concen: 2.56 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

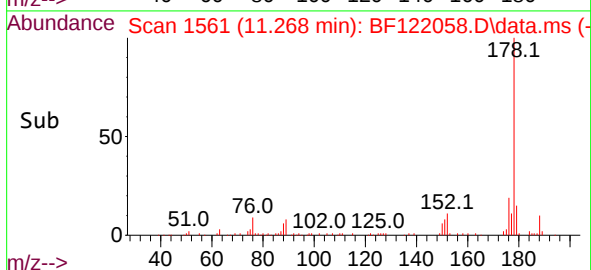
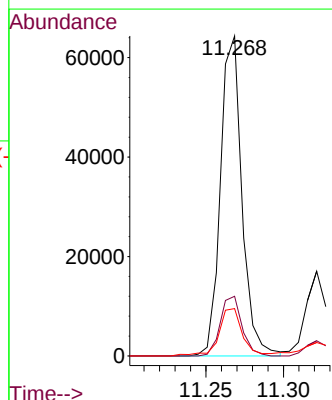
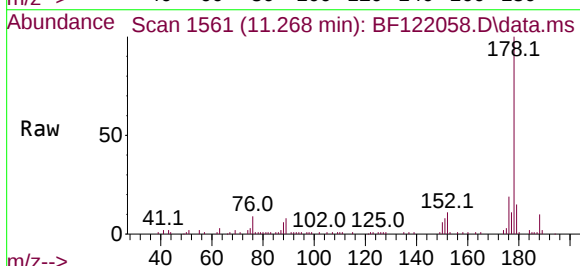
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

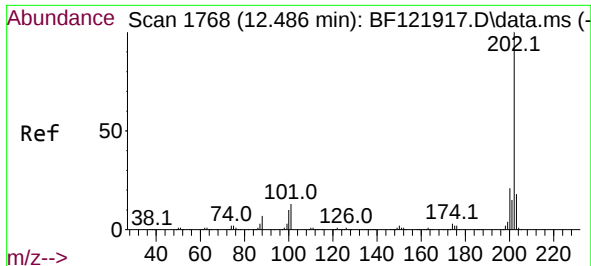
Tgt Ion:248 Resp: 13000
Ion Ratio Lower Upper
248 100
250 196.7 77.0 115.6#
141 436.7 53.7 80.5#



#71
Phenanthrene
Concen: 2.58 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:178 Resp: 62128
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.8 12.2 18.4

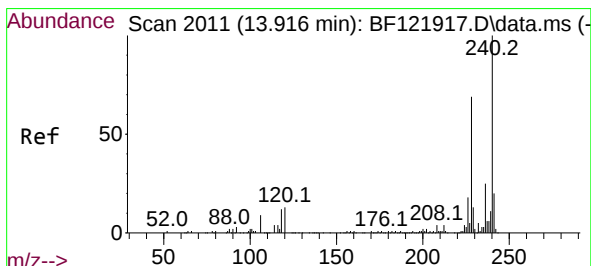
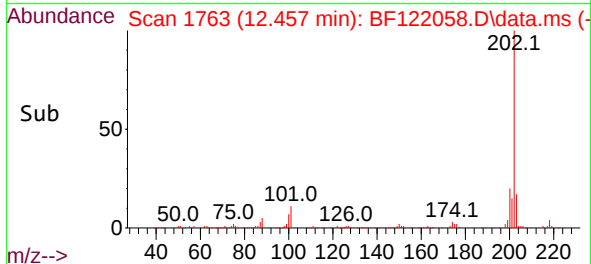
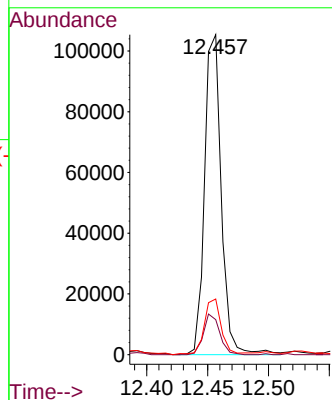
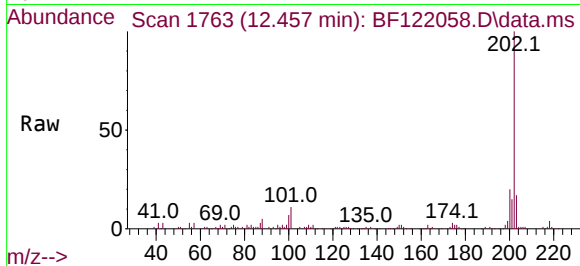




#75
Fluoranthene
Concen: 3.91 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

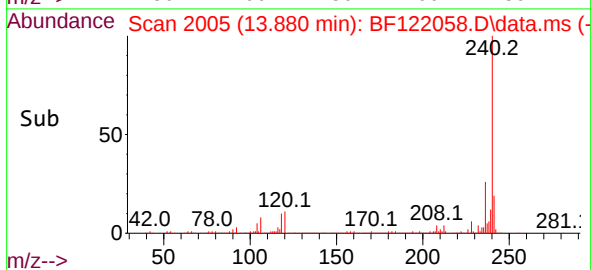
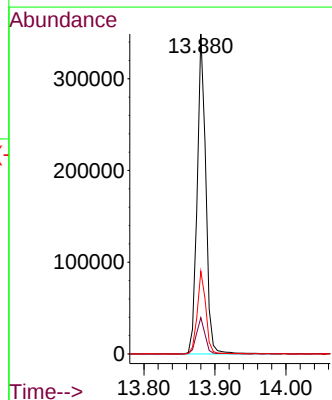
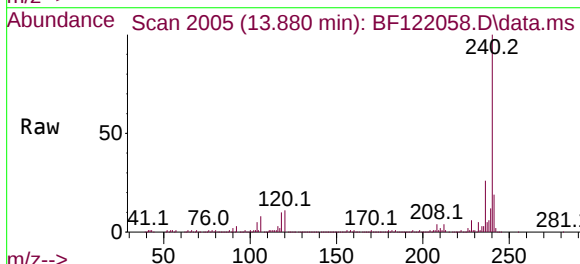
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

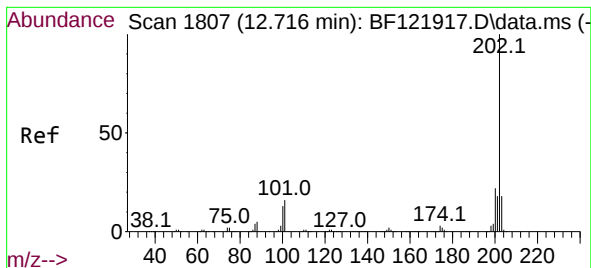
Tgt Ion:202 Resp: 101069
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 17.4 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:240 Resp: 295665
Ion Ratio Lower Upper
240 100
120 11.3 9.2 13.8
236 25.9 20.9 31.3





#78

Pyrene

Concen: 5.70 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF122058.D

Acq: 21 Oct 2020 16:42

Tgt Ion:202 Resp: 128383

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

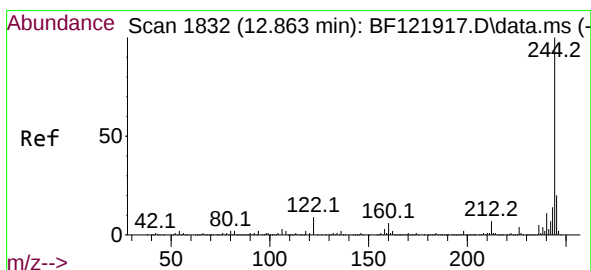
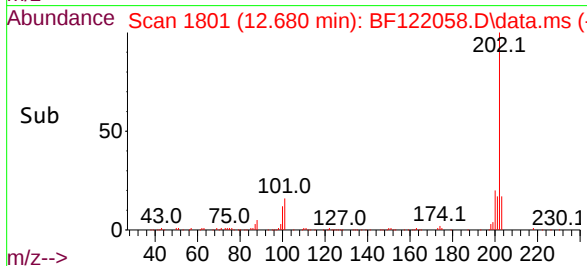
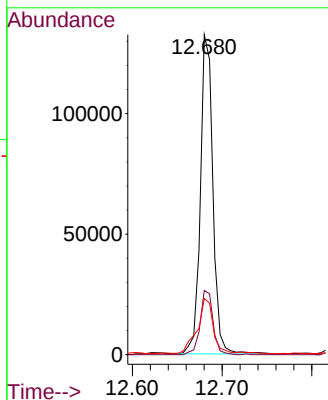
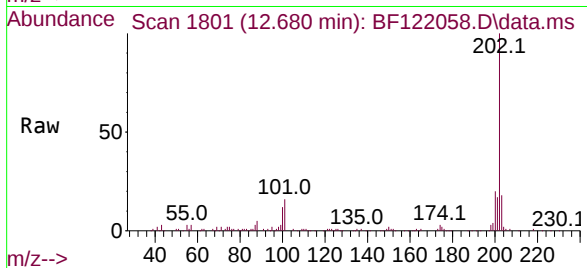
203 17.5 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

PR-SOIL-PILE



#79

Terphenyl-d14

Concen: 59.97 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF122058.D

Acq: 21 Oct 2020 16:42

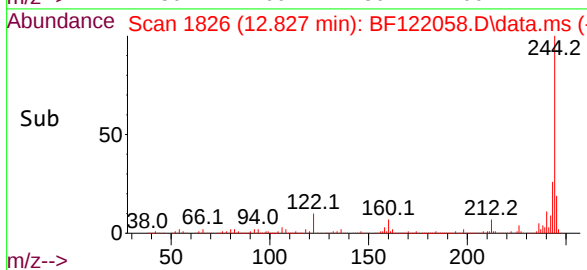
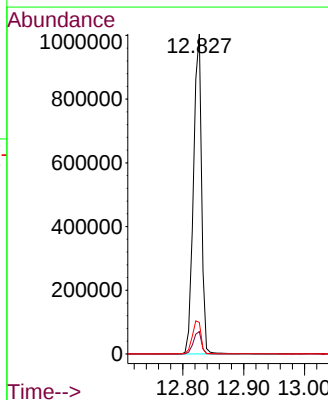
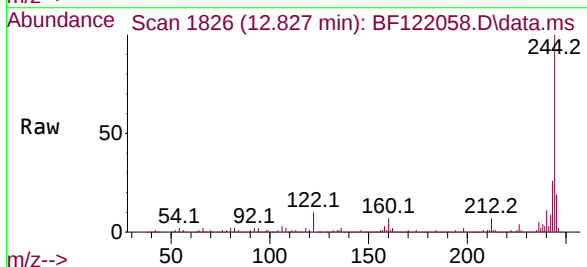
Tgt Ion:244 Resp: 930427

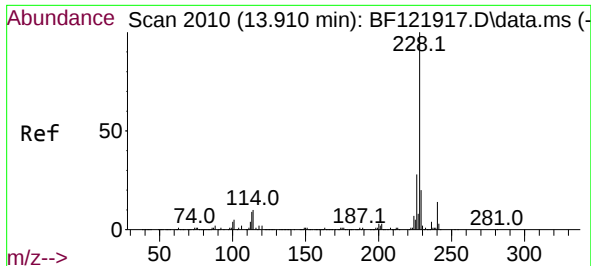
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.9 8.1 12.1

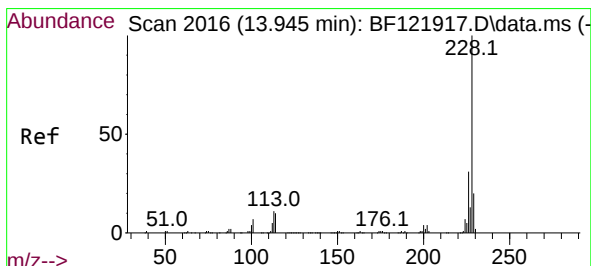
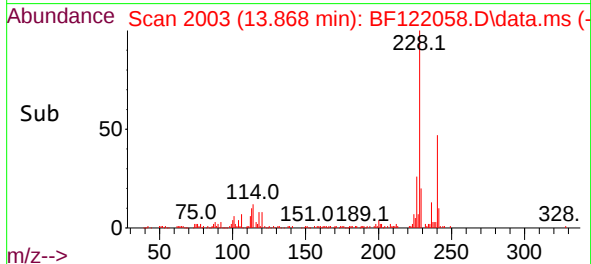
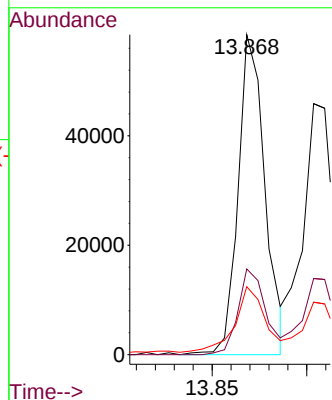
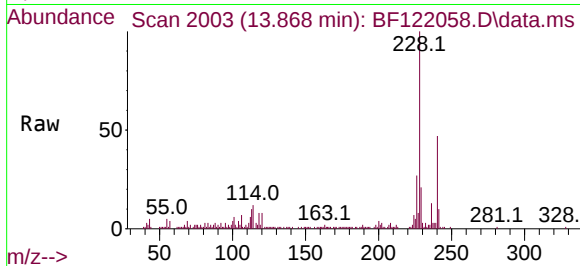




#81
Benzo(a)anthracene
Concen: 2.96 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

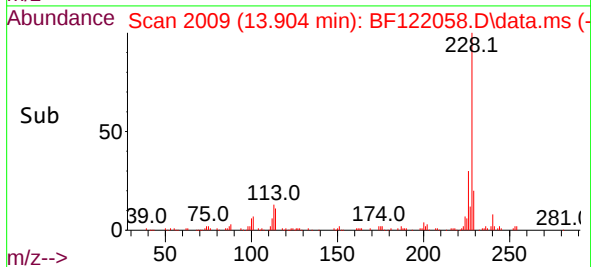
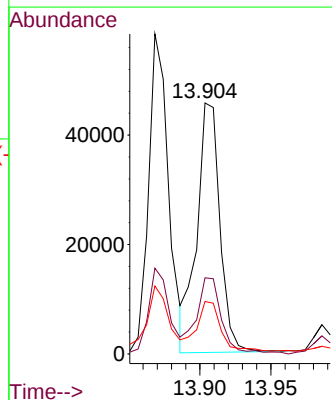
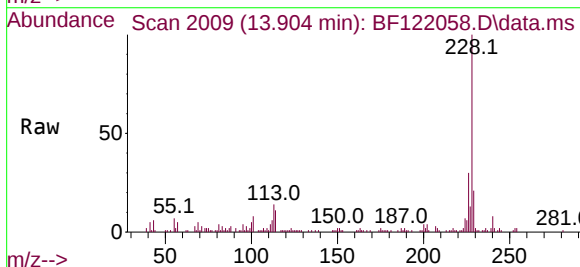
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

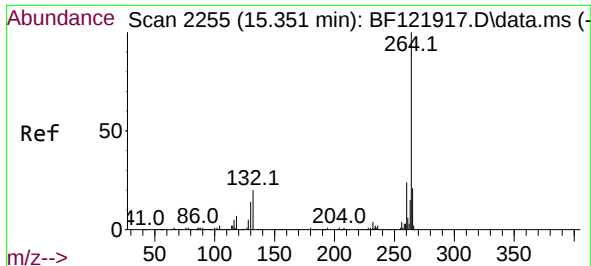
Tgt Ion:228 Resp: 57437
Ion Ratio Lower Upper
228 100
226 26.8 22.3 33.5
229 21.2 16.2 24.4



#83
Chrysene
Concen: 2.71 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:228 Resp: 51603
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 20.9 15.9 23.9

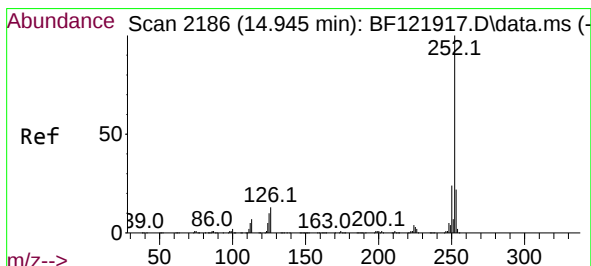
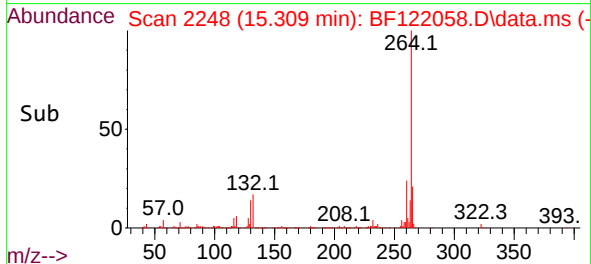
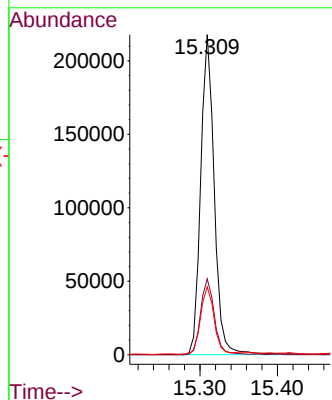
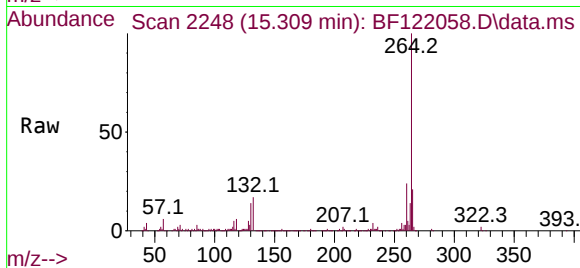




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.309 min Scan# 2248
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

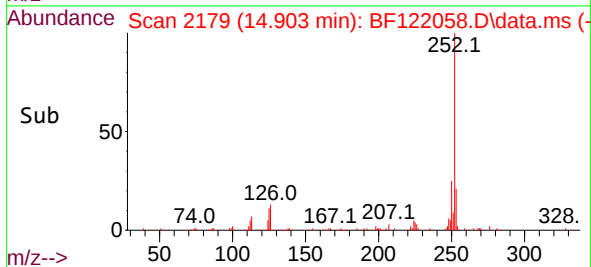
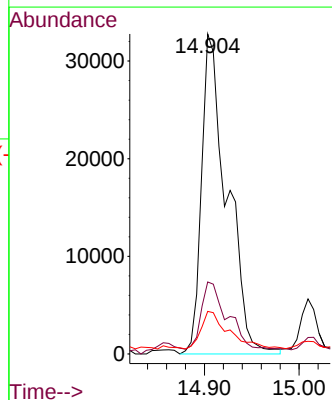
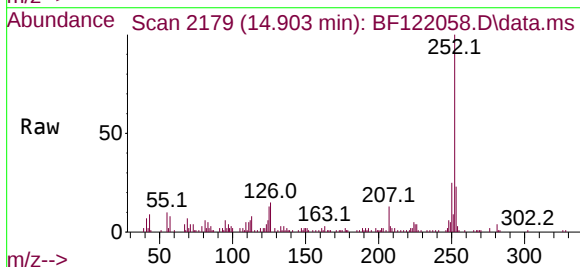
Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

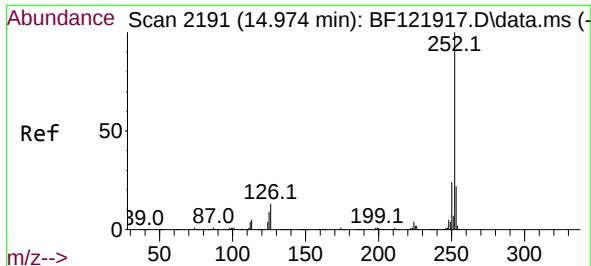
Tgt Ion:264 Resp: 264197
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.2 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 14.903 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:252 Resp: 61385
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 13.3 8.0 12.0#

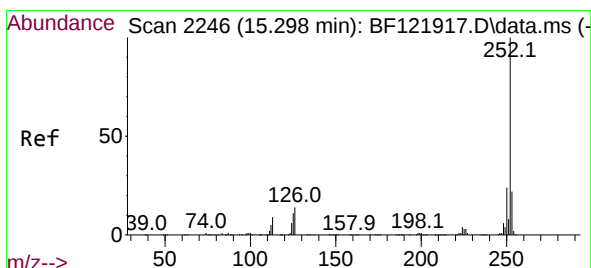
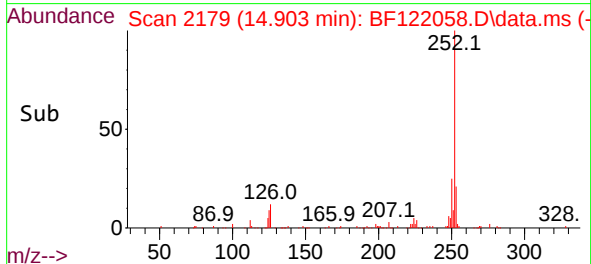
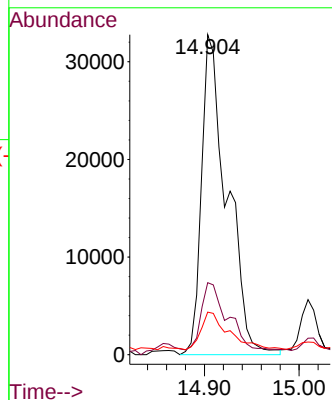
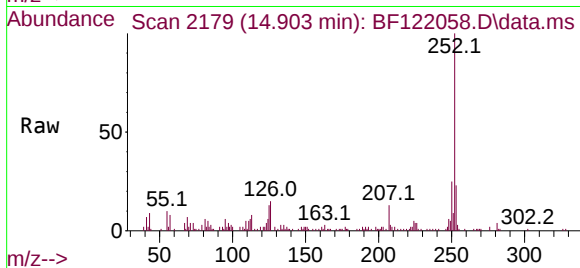




#89
Benzo(k)fluoranthene
Concen: 3.62 ng
RT: 14.903 min Scan# 2179
Delta R.T. -0.030 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Instrument :
BNA_F
ClientSampleId :
PR-SOIL-PILE

Tgt Ion:252 Resp: 61385
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.3 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 2.44 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF122058.D
Acq: 21 Oct 2020 16:42

Tgt Ion:252 Resp: 37682
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 14.5 8.6 13.0#

