

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
 Data File : BF122056.D
 Acq On : 21 Oct 2020 15:41
 Operator : JU/CG
 Sample : L4461-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

Quant Time: Oct 21 16:20:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102120.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)

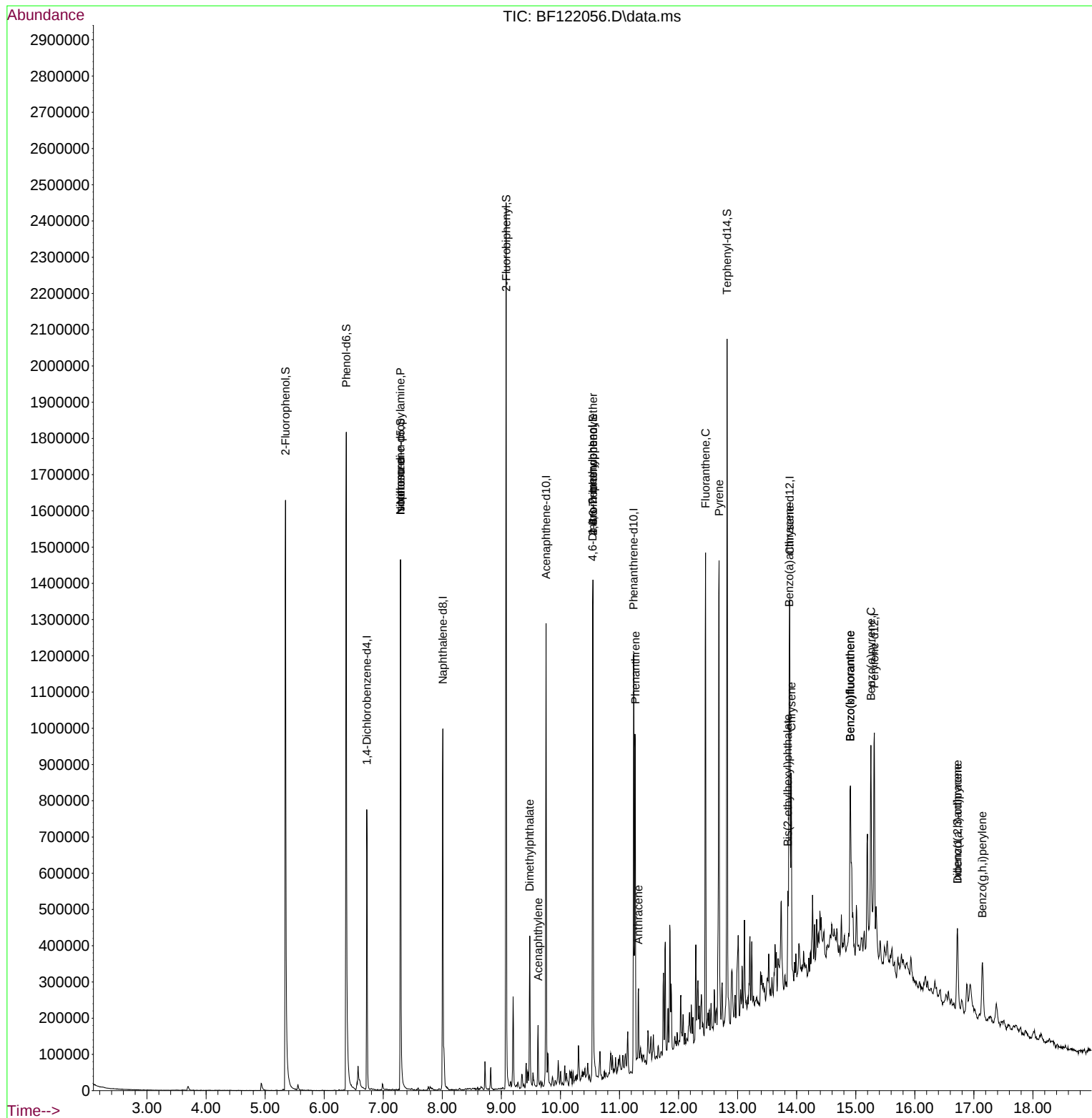
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	112877	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	452621	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	232712	20.00	ng	0.00
64) Phenanthrene-d10	11.239	188	418586	20.00	ng	0.00
76) Chrysene-d12	13.880	240	268347	20.00	ng	0.00
86) Perylene-d12	15.315	264	259158	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	532002	69.56	ng	0.00
7) Phenol-d6	6.375	99	680294	69.10	ng	0.00
23) Nitrobenzene-d5	7.292	82	462416	52.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	193539	67.23	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	689837	43.62	ng	0.00
79) Terphenyl-d14	12.821	244	552142	39.21	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.334	77	860	Below Cal	#	52
19) n-Nitroso-di-n-propyla...	7.292	70	61409	10.96	ng	# 78
25) Isophorone	7.292	82	458676	27.49	ng	# 67
49) Acenaphthylene	9.622	152	58900	2.61	ng	98
50) Dimethylphthalate	9.480	163	156998	9.23	ng	99
65) 4,6-Dinitro-2-methylph...	10.545	198	290	4.53	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	11257	2.33	ng	# 1
71) Phenanthrene	11.269	178	356424	15.53	ng	100
72) Anthracene	11.322	178	84951	3.57	ng	98
75) Fluoranthene	12.457	202	493598	20.06	ng	98
78) Pyrene	12.686	202	539204	26.37	ng	99
81) Benzo(a)anthracene	13.874	228	248107	14.11	ng	96
83) Chrysene	13.910	228	238345	13.81	ng	97
84) Bis(2-ethylhexyl)phtha...	13.851	149	59578	5.41	ng	100
87) Indeno(1,2,3-cd)pyrene	16.721	276	129174	7.68	ng	95
88) Benzo(b)fluoranthene	14.910	252	347950	19.86	ng	97
89) Benzo(k)fluoranthene	14.910	252	347950	20.91	ng	# 96
90) Benzo(a)pyrene	15.257	252	218621	14.45	ng	97
91) Dibenzo(a,h)anthracene	16.721	278	34916	2.52	ng	# 79
92) Benzo(g,h,i)perylene	17.145	276	132232	9.54	ng	98

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF10220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 12:04:42 2020
Response via : Initial Calibration

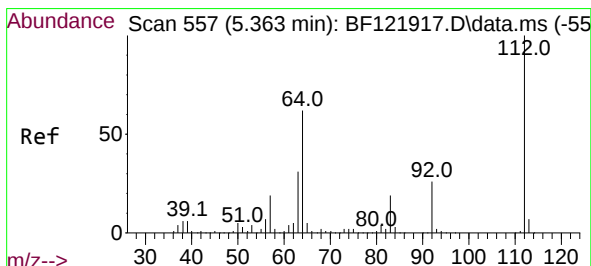
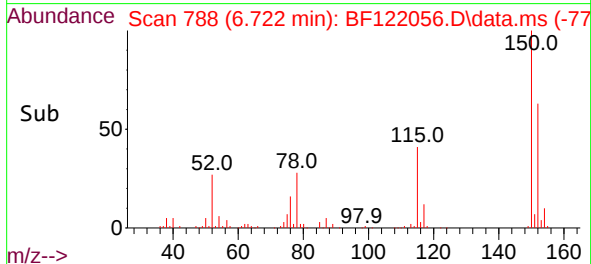
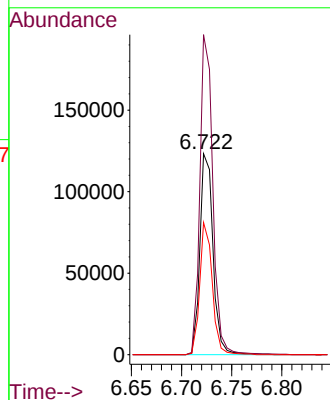
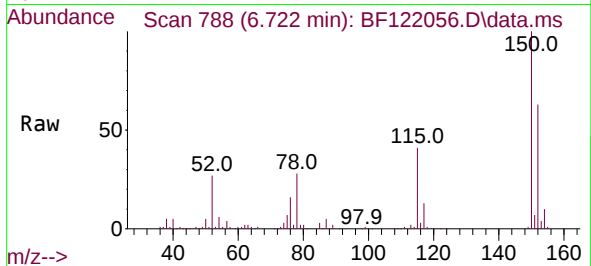




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

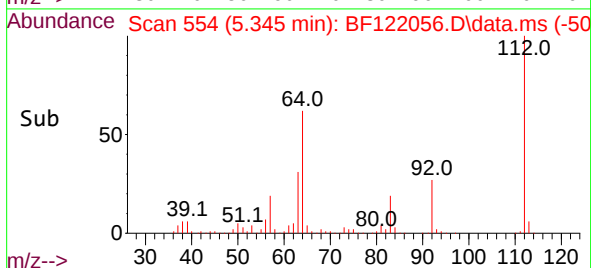
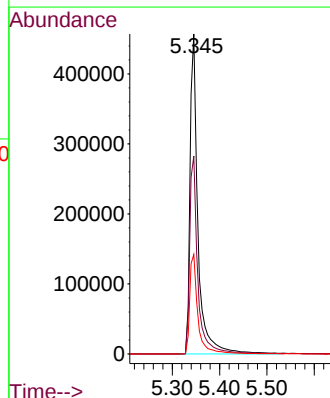
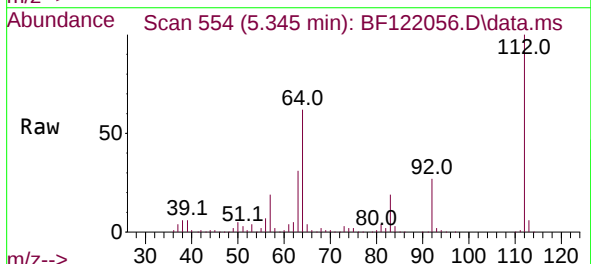
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

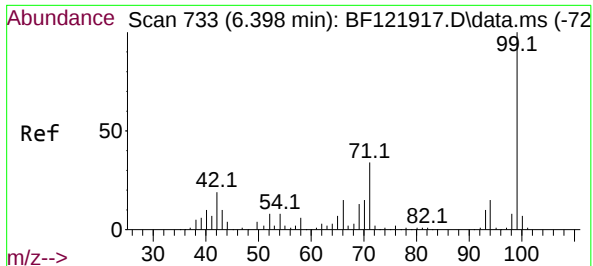
Tgt Ion:152 Resp: 112877
Ion Ratio Lower Upper
152 100
150 159.2 125.3 187.9
115 65.8 51.9 77.9



#5
2-Fluorophenol
Concen: 69.56 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:112 Resp: 532002
Ion Ratio Lower Upper
112 100
64 61.8 50.4 75.6
63 31.1 25.8 38.6

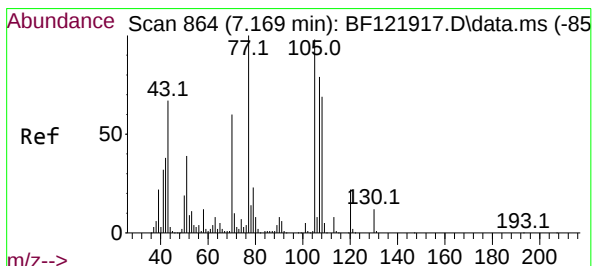
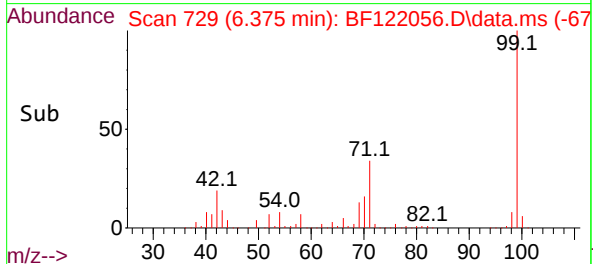
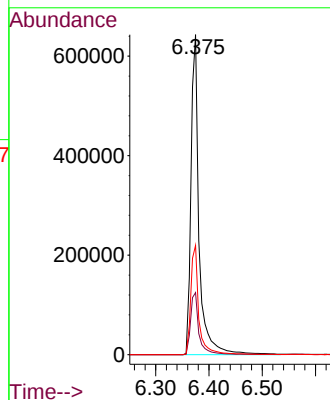
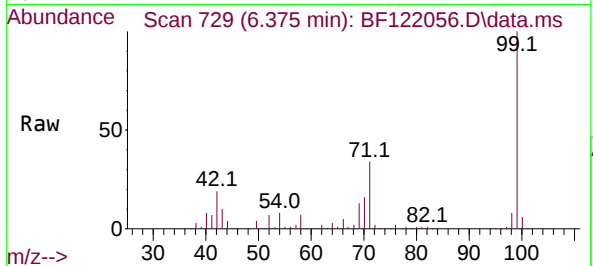




#7
Phenol-d6
Concen: 69.10 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

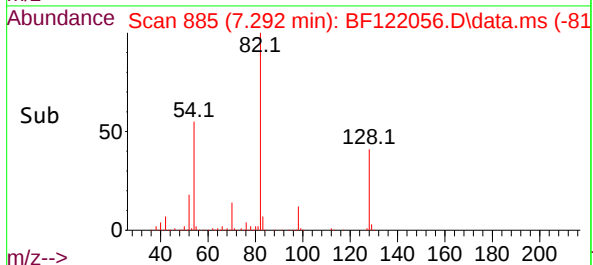
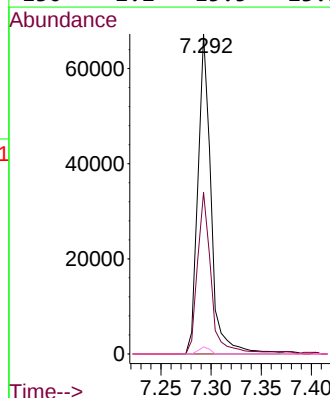
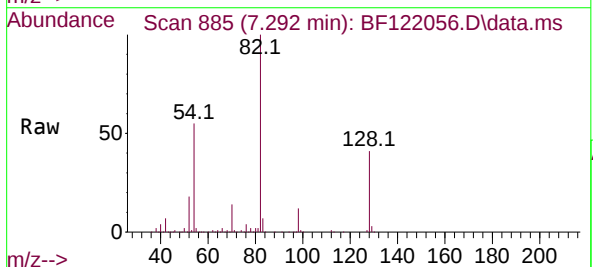
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

Tgt Ion: 99 Resp: 680294
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.1 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.96 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

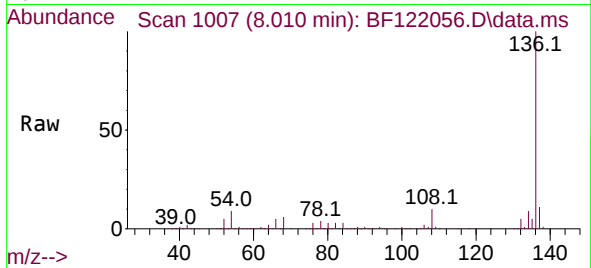
Tgt Ion: 70 Resp: 61409
Ion Ratio Lower Upper
70 100
42 50.5 50.2 75.4
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#



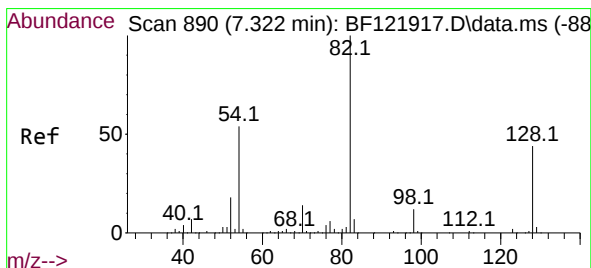
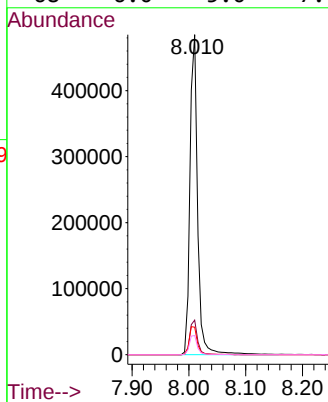
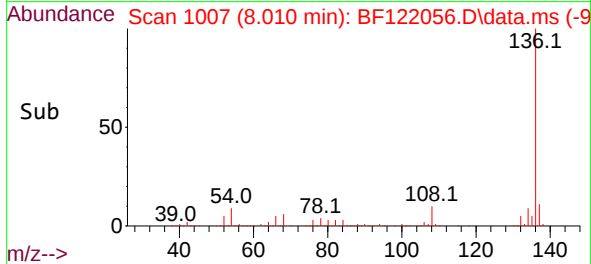


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

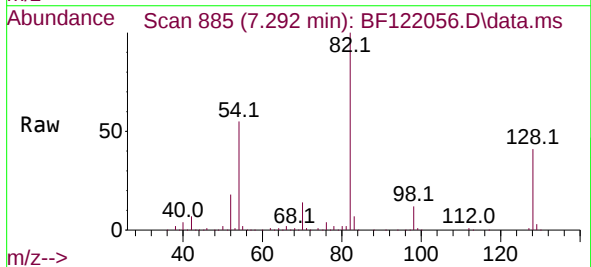
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5



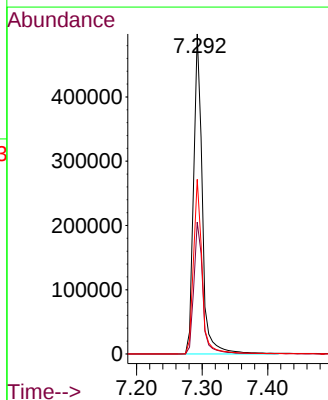
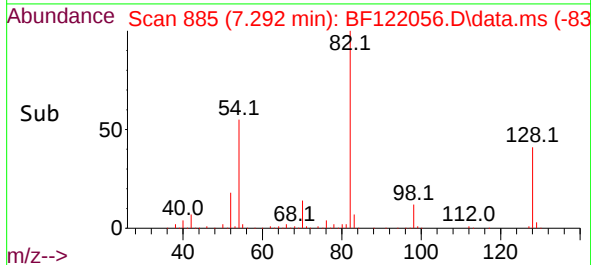
Tgt Ion:136 Resp: 452621
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.1 10.7
68 6.0 5.0 7.4

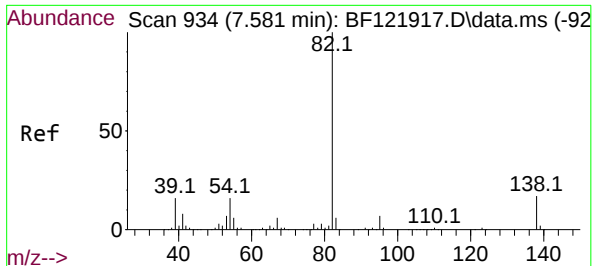


#23
Nitrobenzene-d5
Concen: 52.39 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41



Tgt Ion: 82 Resp: 462416
Ion Ratio Lower Upper
82 100
128 41.2 35.0 52.4
54 54.6 43.9 65.9

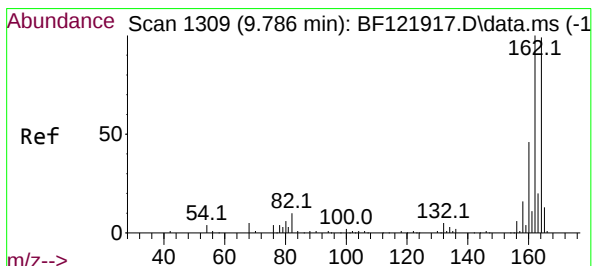
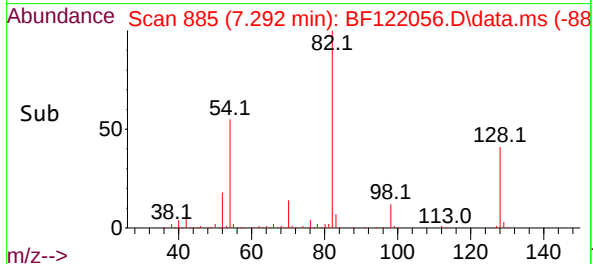
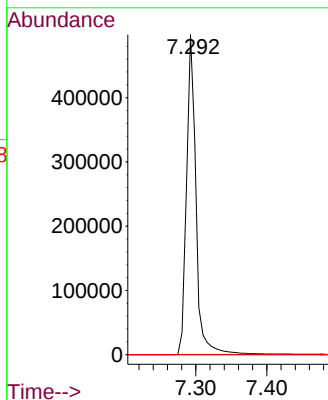
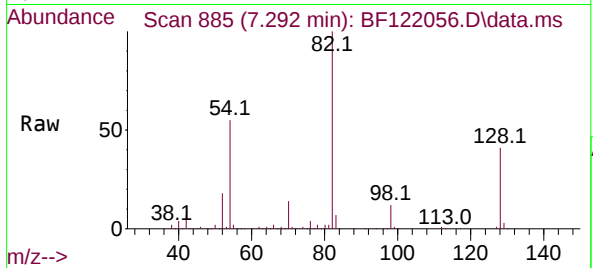




#25
Isophorone
Concen: 27.49 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

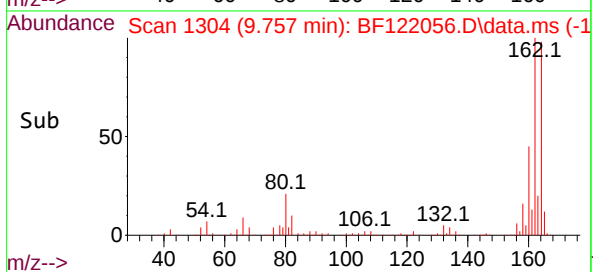
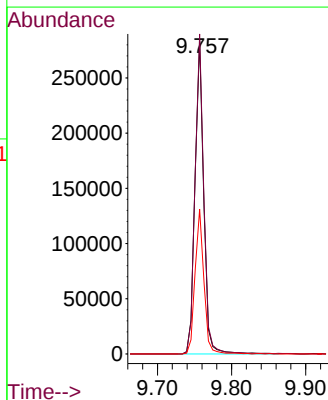
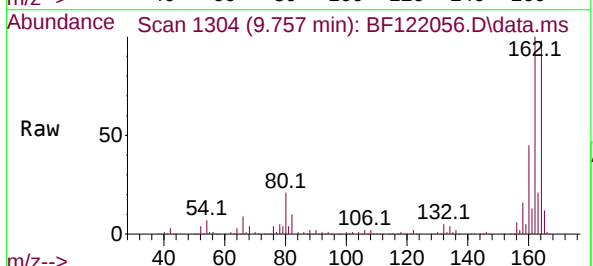
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

Tgt Ion: 82 Resp: 458676
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: BF122056.D
Acq: 21 Oct 2020 15:41

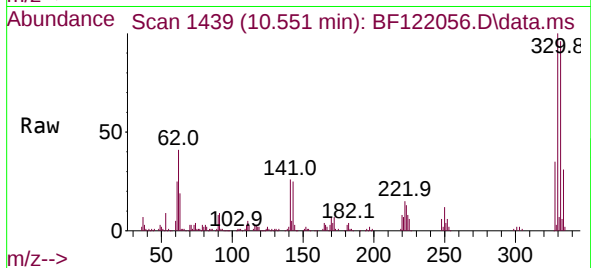
Tgt Ion:164 Resp: 232712
Ion Ratio Lower Upper
164 100
162 102.1 83.2 124.8
160 46.2 37.5 56.3



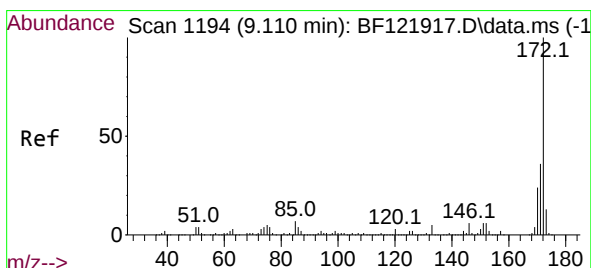
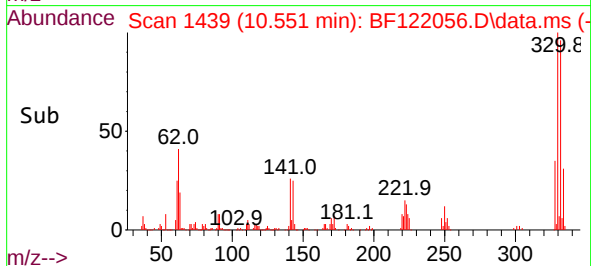
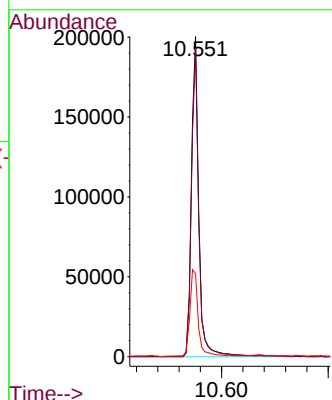


#42
2,4,6-Tribromophenol
Concen: 67.23 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

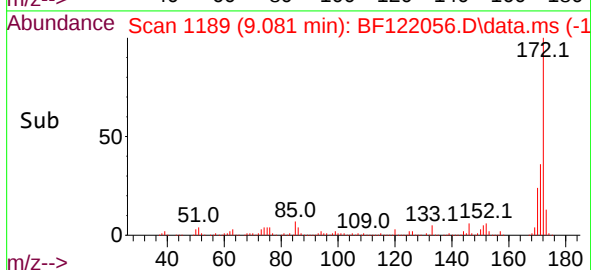
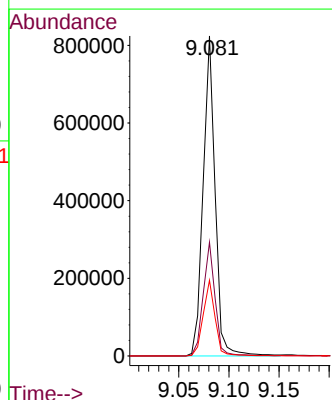
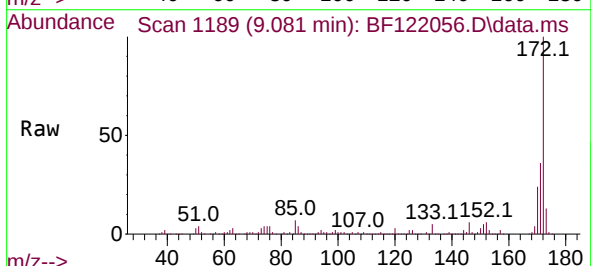


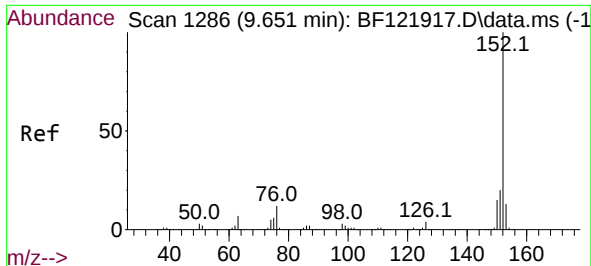
Tgt Ion: 330 Resp: 193539
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 32.0 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 43.62 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion: 172 Resp: 689837
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.7 19.8 29.6





#49

Acenaphthylene

Concen: 2.61 ng

RT: 9.622 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF122056.D

Acq: 21 Oct 2020 15:41

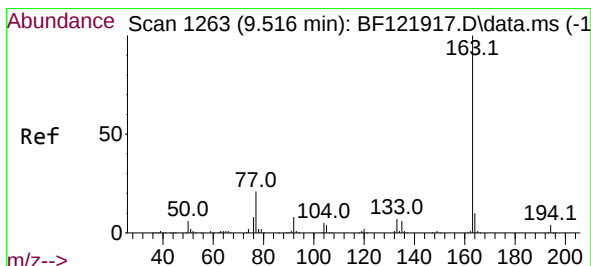
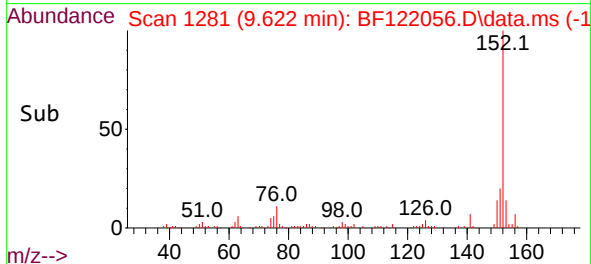
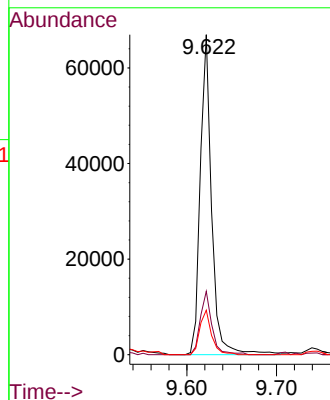
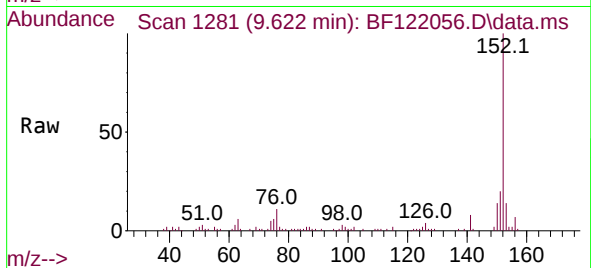
Tgt Ion:	152	Resp:	58900
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.4	24.6
153	13.9	10.6	15.8

Instrument :

BNA_F

ClientSampleId :

WCS-OH-B2-0.2-4.5



#50

Dimethylphthalate

Concen: 9.23 ng

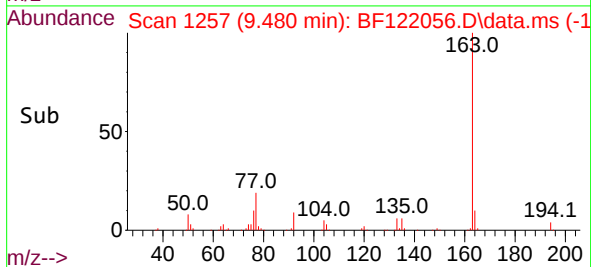
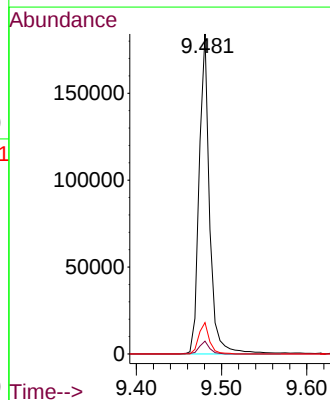
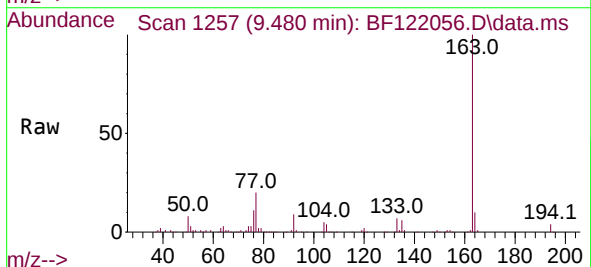
RT: 9.480 min Scan# 1257

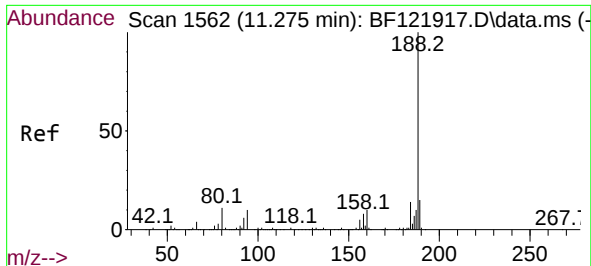
Delta R.T. -0.012 min

Lab File: BF122056.D

Acq: 21 Oct 2020 15:41

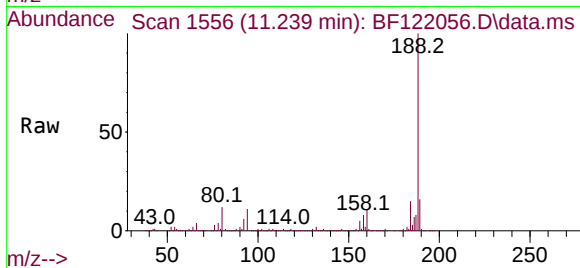
Tgt Ion:	163	Resp:	156998
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	9.8	8.2	12.4



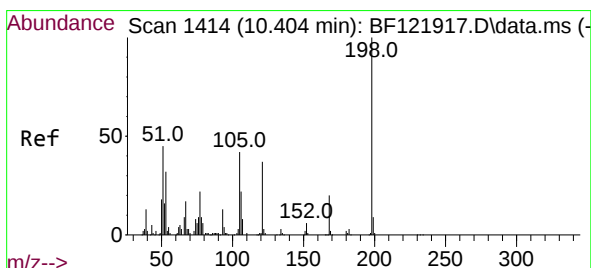
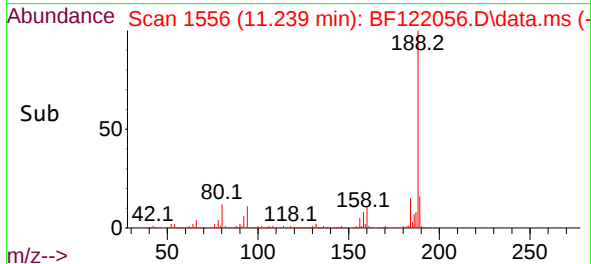
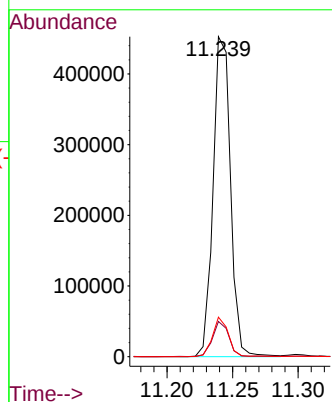


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

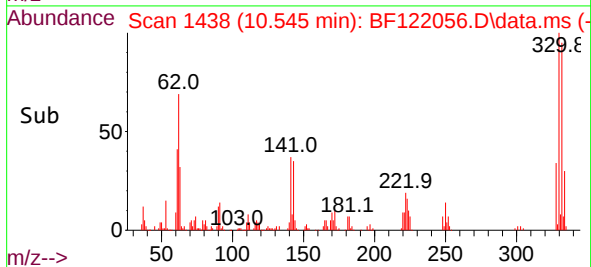
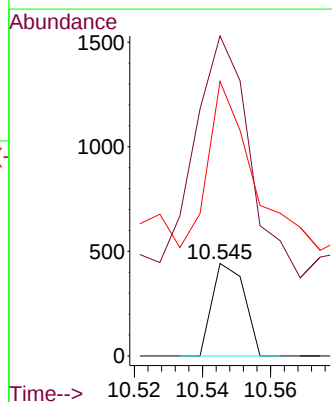
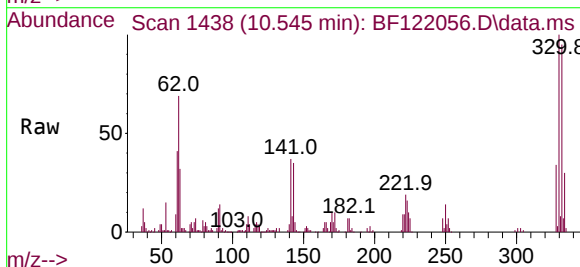


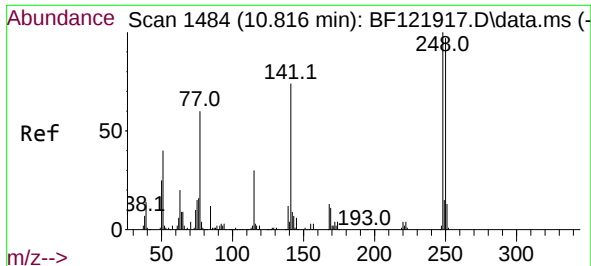
Tgt Ion:188 Resp: 418586
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 12.4 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.53 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.159 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:198 Resp: 290
Ion Ratio Lower Upper
198 100
51 346.2 29.6 69.6#
105 297.1 24.4 64.4#

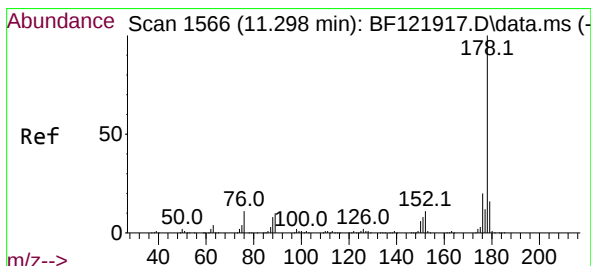
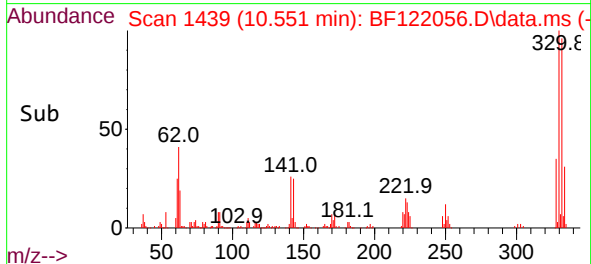
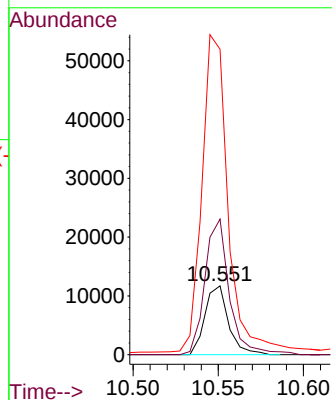
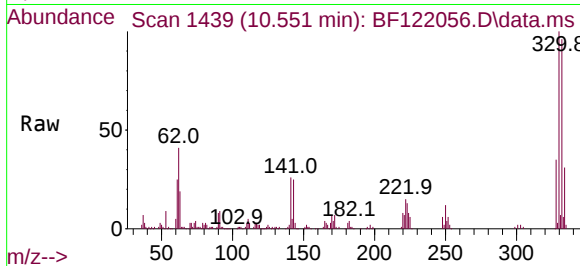




#67
4-Bromophenyl-phenylether
Concen: 2.33 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

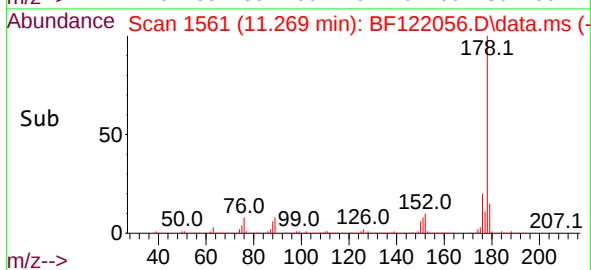
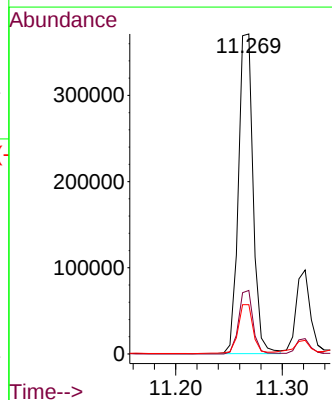
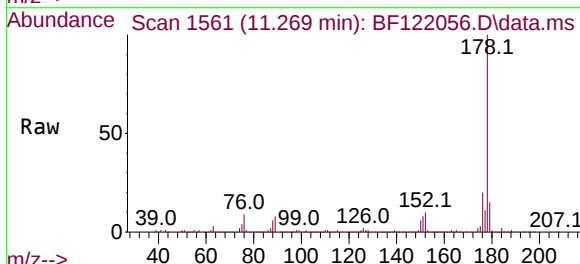
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

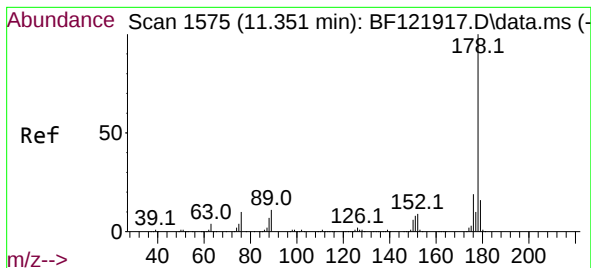
Tgt Ion:248 Resp: 11257
Ion Ratio Lower Upper
248 100
250 196.9 77.0 115.6#
141 443.5 53.7 80.5#



#71
Phenanthrene
Concen: 15.53 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:178 Resp: 356424
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.4 12.2 18.4

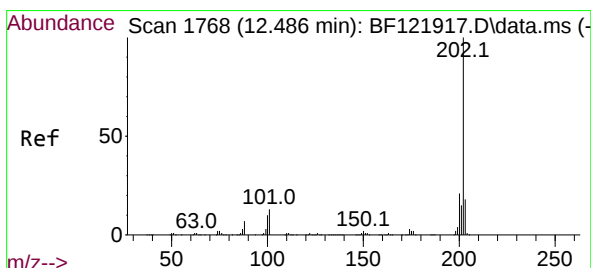
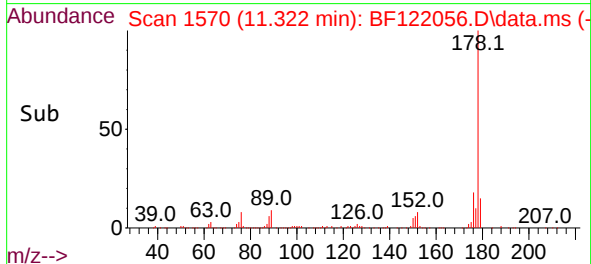
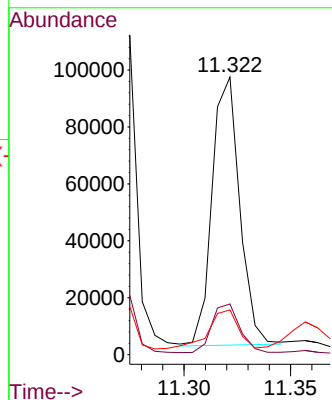
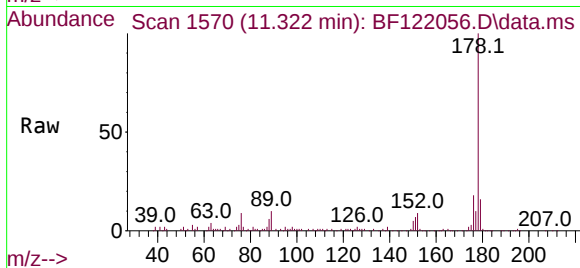




#72
 Anthracene
 Concen: 3.57 ng
 RT: 11.322 min Scan# 1570
 Delta R.T. -0.006 min
 Lab File: BF122056.D
 Acq: 21 Oct 2020 15:41

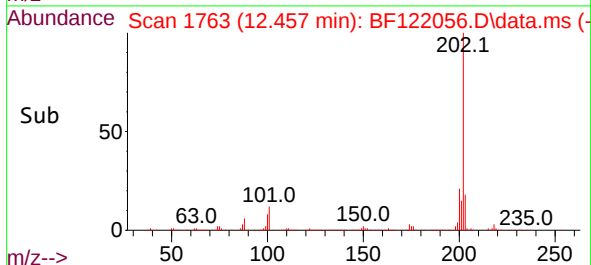
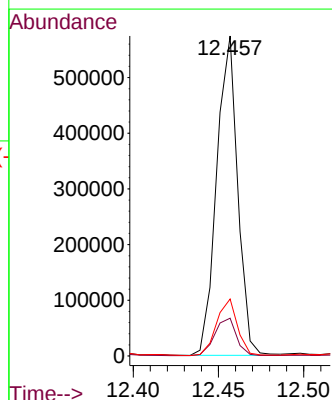
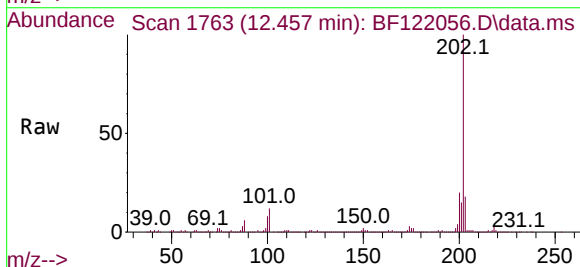
Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

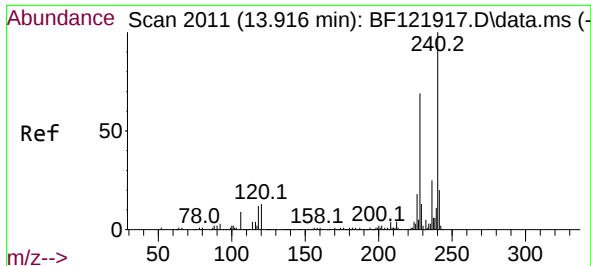
Tgt Ion:178 Resp: 84951
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 16.1 12.7 19.1



#75
 Fluoranthene
 Concen: 20.06 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF122056.D
 Acq: 21 Oct 2020 15:41

Tgt Ion:202 Resp: 493598
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 33.4
 203 17.8 0.0 37.9

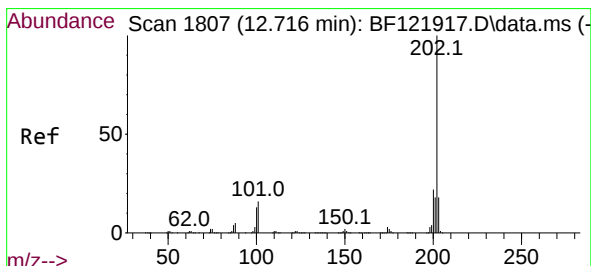
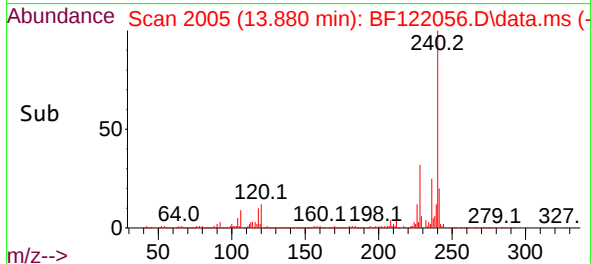
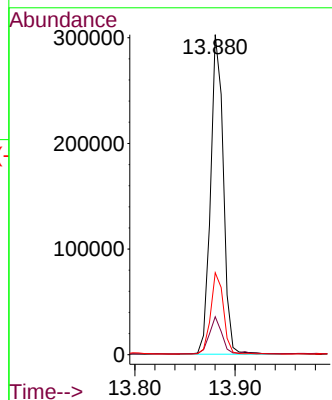
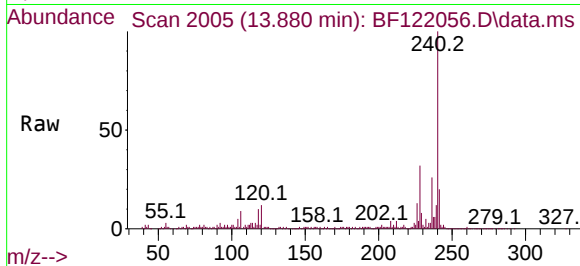




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

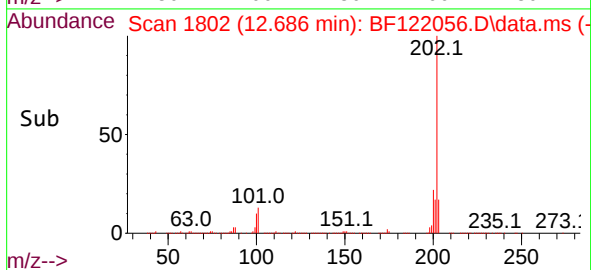
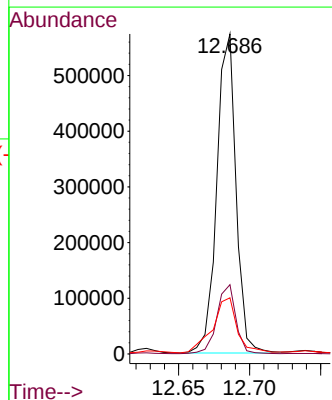
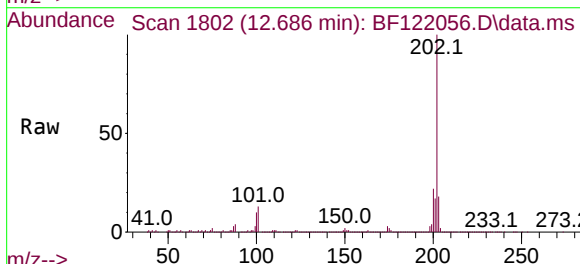
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

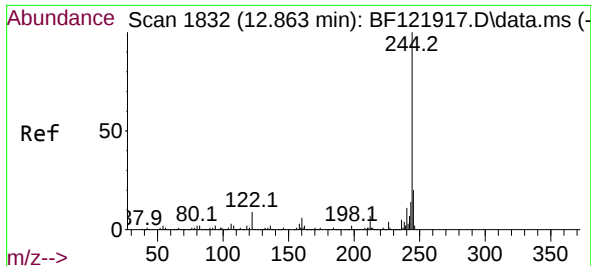
Tgt Ion:240 Resp: 268347
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 25.6 20.9 31.3



#78
Pyrene
Concen: 26.37 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:202 Resp: 539204
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.6 14.6 21.8

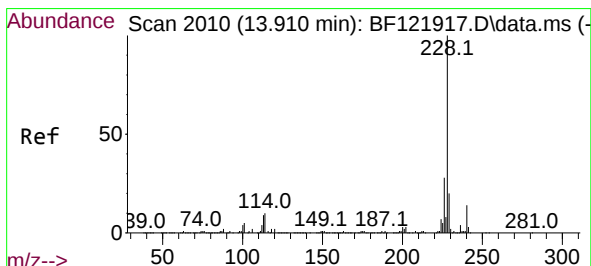
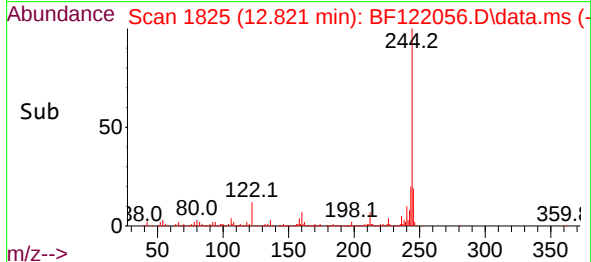
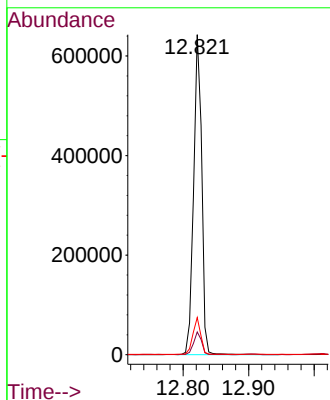
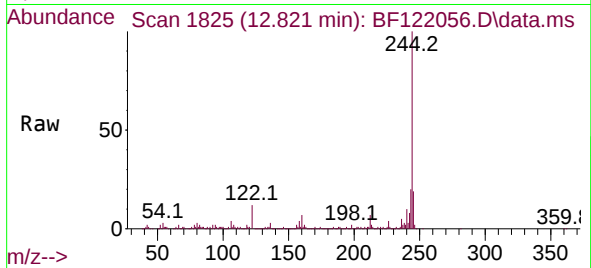




#79
Terphenyl-d14
Concen: 39.21 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

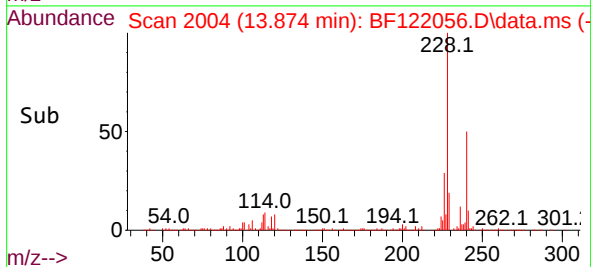
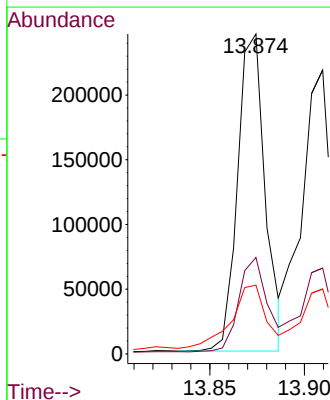
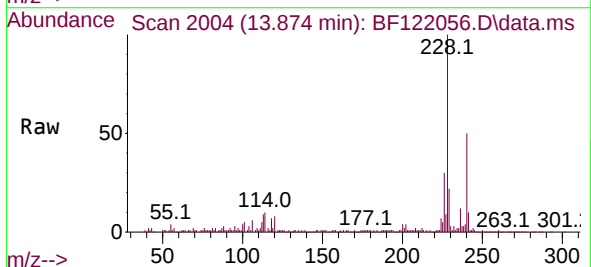
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

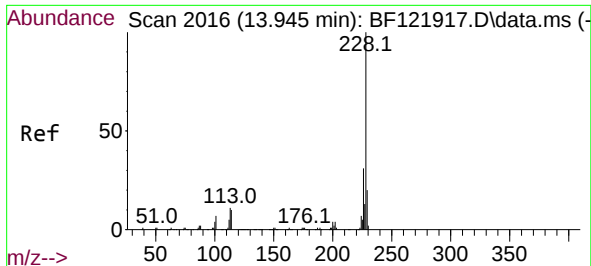
Tgt Ion:244 Resp: 552142
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 11.6 8.1 12.1



#81
Benzo(a)anthracene
Concen: 14.11 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:228 Resp: 248107
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 21.5 16.2 24.4

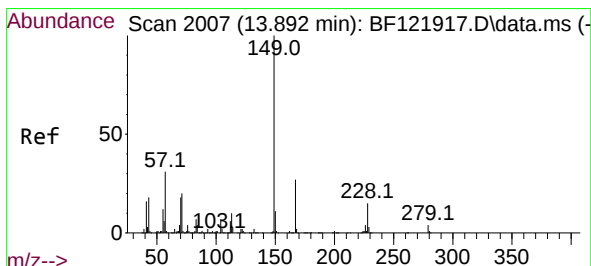
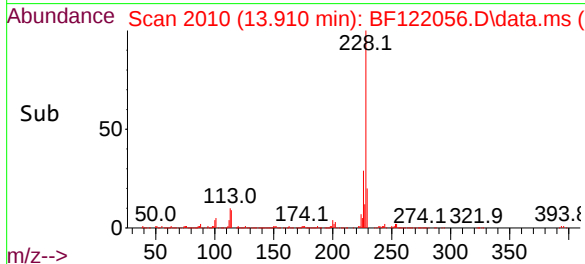
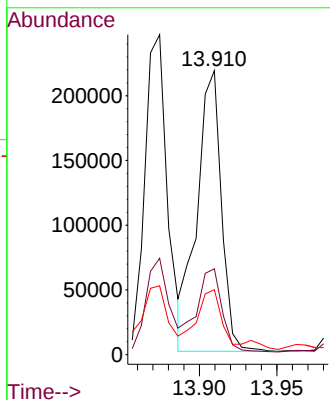
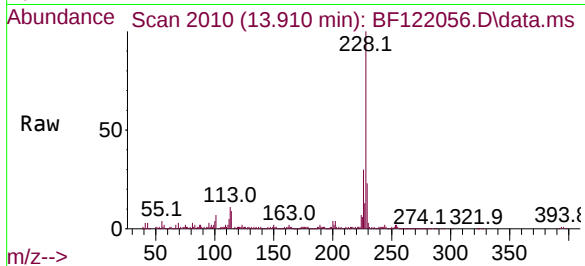




#83
Chrysene
Concen: 13.81 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

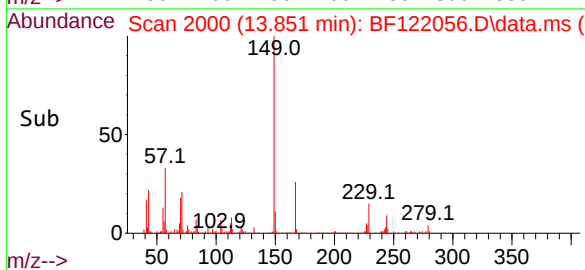
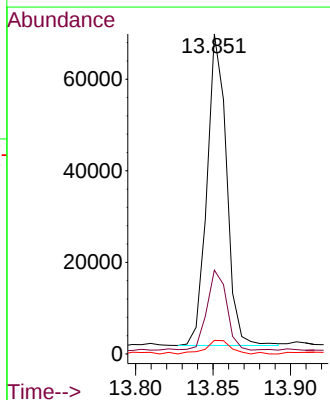
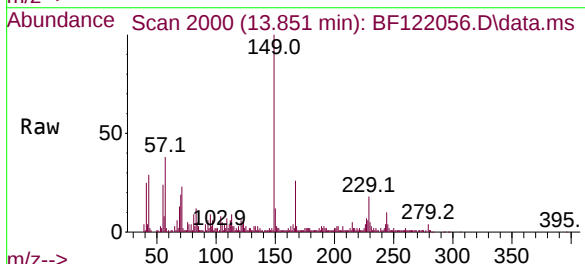
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

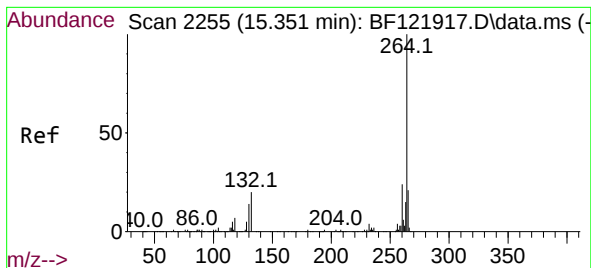
Tgt Ion:228 Resp: 238345
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.9 15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.41 ng
RT: 13.851 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:149 Resp: 59578
Ion Ratio Lower Upper
149 100
167 26.2 20.9 31.3
279 4.2 3.2 4.8

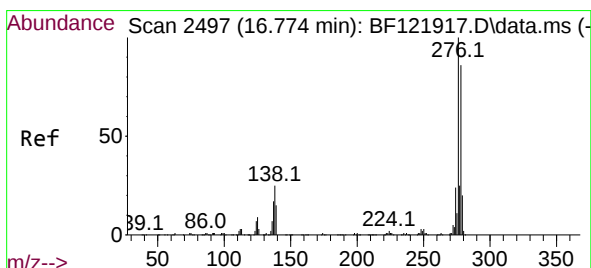
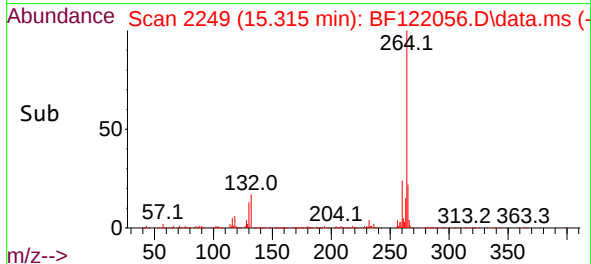
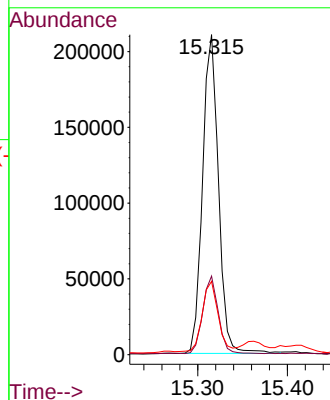
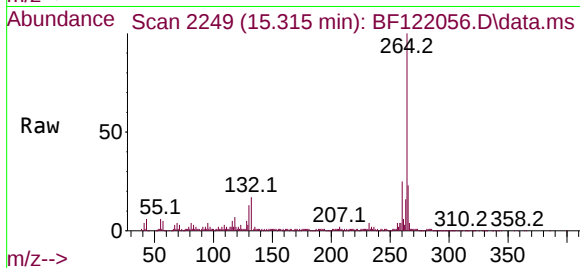




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

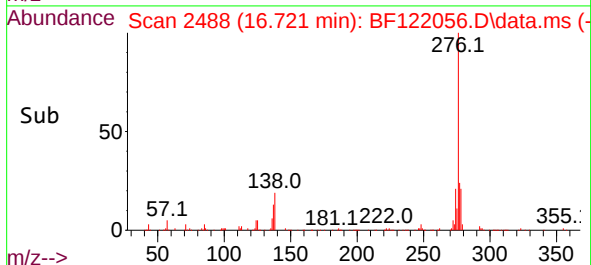
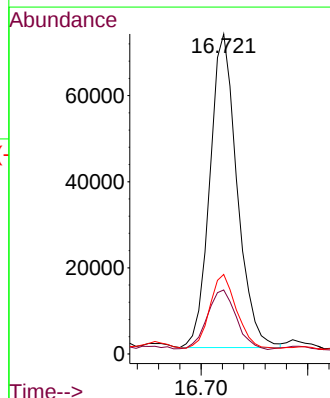
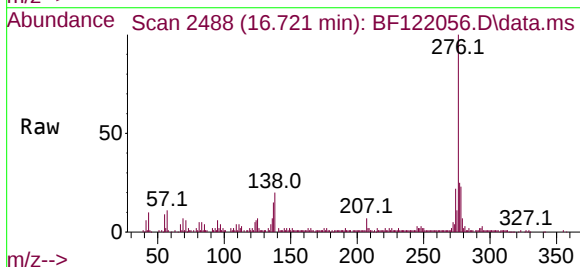
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

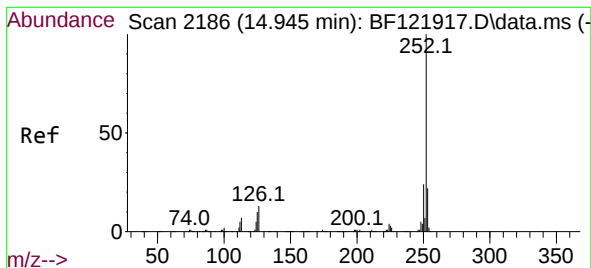
Tgt Ion:264 Resp: 259158
Ion Ratio Lower Upper
264 100
260 24.6 18.7 28.1
265 22.9 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.68 ng
RT: 16.721 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:276 Resp: 129174
Ion Ratio Lower Upper
276 100
138 20.9 19.9 29.9
277 24.0 20.4 30.6

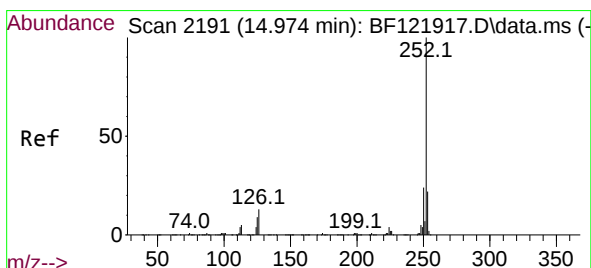
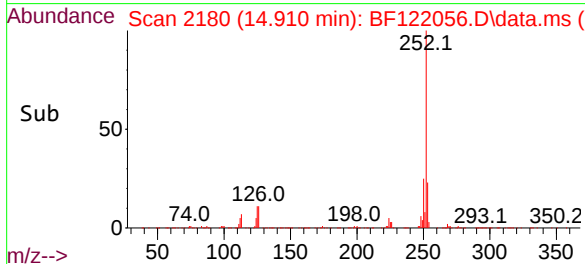
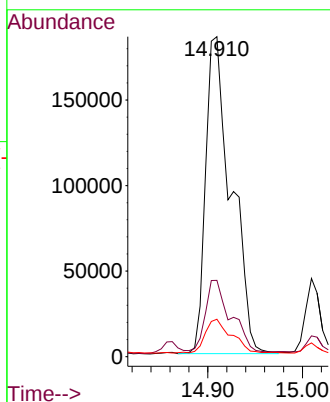
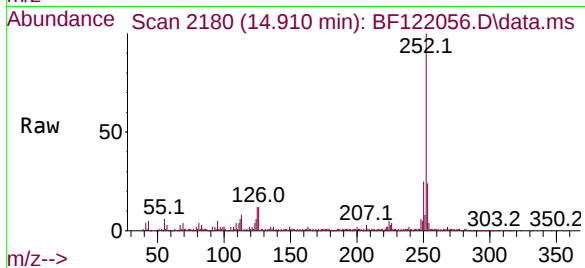




#88
Benzo(b)fluoranthene
Concen: 19.86 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

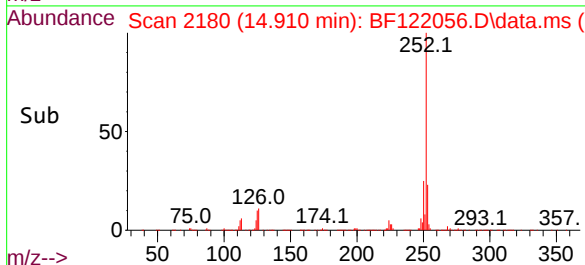
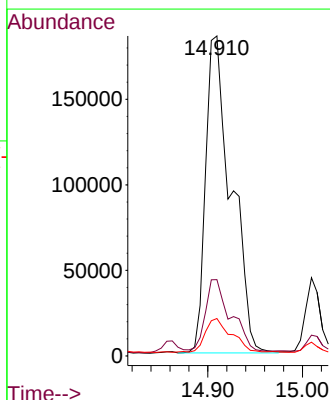
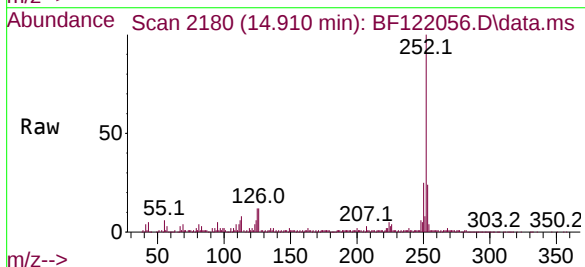
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

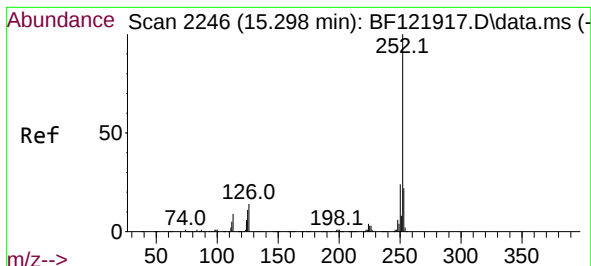
Tgt Ion:252 Resp: 347950
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 11.7 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 20.91 ng
RT: 14.910 min Scan# 2180
Delta R.T. -0.024 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:252 Resp: 347950
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 11.7 7.7 11.5#

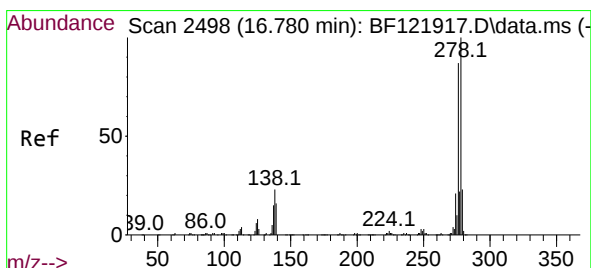
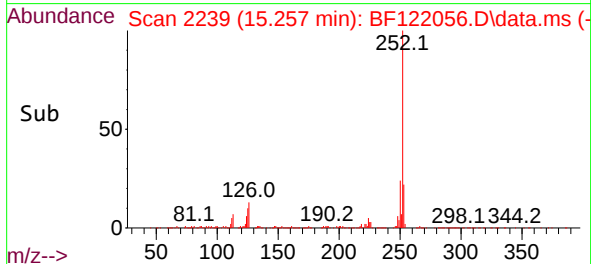
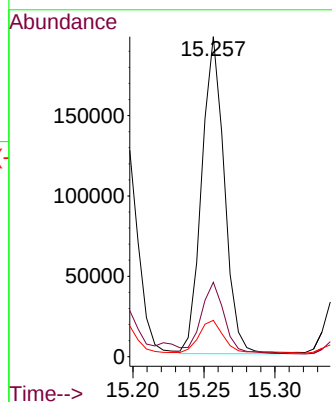
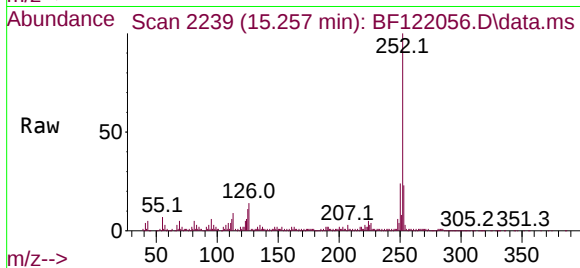




#90
Benzo(a)pyrene
Concen: 14.45 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

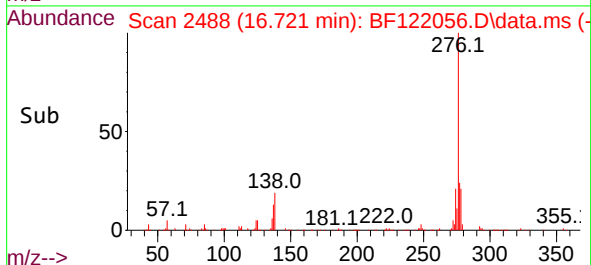
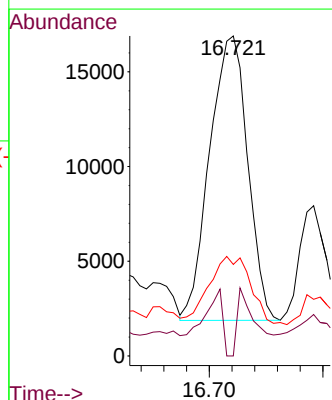
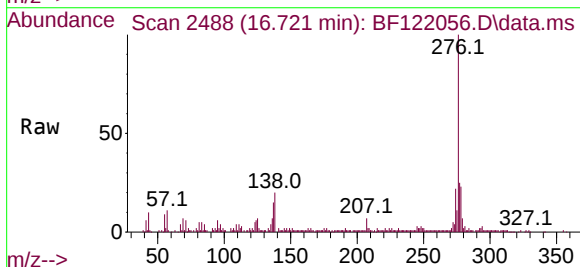
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

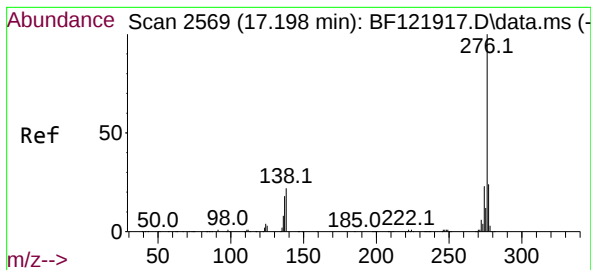
Tgt Ion:252 Resp: 218621
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 11.4 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 2.52 ng
RT: 16.721 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF122056.D
Acq: 21 Oct 2020 15:41

Tgt Ion:278 Resp: 34916
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 28.6 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 9.54 ng
 RT: 17.145 min Scan# 2560
 Delta R.T. 0.006 min
 Lab File: BF122056.D
 Acq: 21 Oct 2020 15:41

Instrument :
 BNA_F
 ClientSampleId :
 WCS-OH-B2-0.2-4.5

Tgt Ion:	276	Resp:	132232
Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	20.6	17.8	26.6

