

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102620\
 Data File : BF122126.D
 Acq On : 26 Oct 2020 20:43
 Operator : JU/CG
 Sample : L4436-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 35A

Quant Time: Oct 27 00:56:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 26 17:27:32 2020
 Response via : Initial Calibration

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

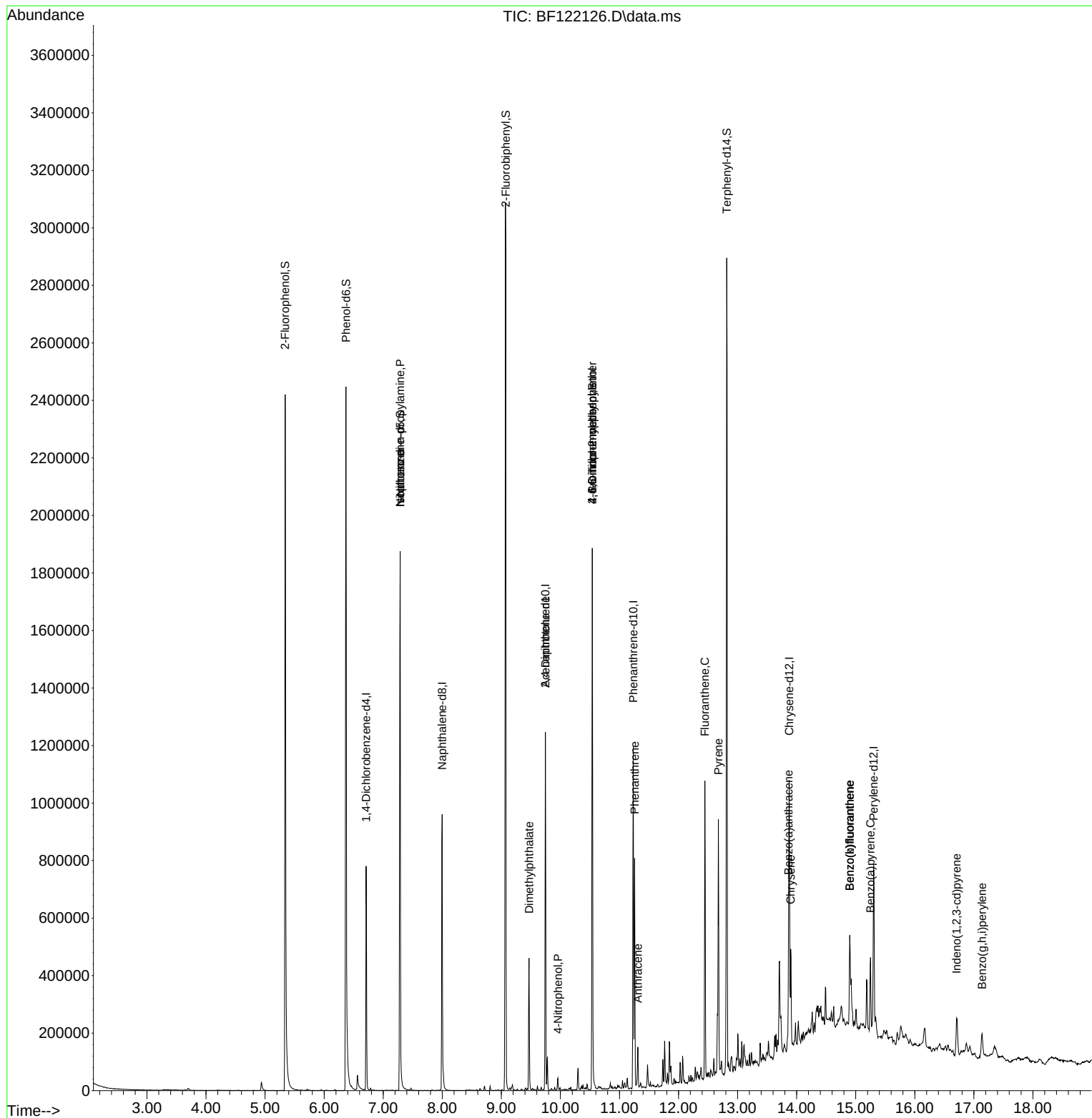
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	110369	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	439216	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	223590	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	396137	20.00	ng	0.00
76) Chrysene-d12	13.874	240	252607	20.00	ng	0.00
86) Perylene-d12	15.304	264	235951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	710762	95.05	ng	0.00
7) Phenol-d6	6.369	99	898728	93.36	ng	0.00
23) Nitrobenzene-d5	7.287	82	625745	73.07	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	226356	81.84	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1031425	67.87	ng	0.00
79) Terphenyl-d14	12.816	244	929883	70.15	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1646	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.287	70	83390	15.21	ng	# 77
25) Isophorone	7.287	82	625740	38.64	ng	# 67
50) Dimethylphthalate	9.469	163	168215	10.29	ng	99
56) 4-Nitrophenol	9.957	139	6098	2.75	ng	# 10
57) 2,4-Dinitrotoluene	9.745	165	29518	6.69	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.539	198	537	4.62	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13191	2.88	ng	# 1
71) Phenanthrene	11.257	178	273382	12.59	ng	99
72) Anthracene	11.310	178	52262	2.32	ng	98
75) Fluoranthene	12.445	202	385915	16.57	ng	99
78) Pyrene	12.675	202	327656	17.02	ng	98
81) Benzo(a)anthracene	13.863	228	150386	9.09	ng	99
83) Chrysene	13.898	228	134930	8.30	ng	98
87) Indeno(1,2,3-cd)pyrene	16.710	276	72173	4.71	ng	94
88) Benzo(b)fluoranthene	14.898	252	218814	13.72	ng	98
89) Benzo(k)fluoranthene	14.898	252	218814	14.44	ng	# 98
90) Benzo(a)pyrene	15.251	252	117544	8.53	ng	96
92) Benzo(g,h,i)perylene	17.139	276	63872	5.06	ng	98

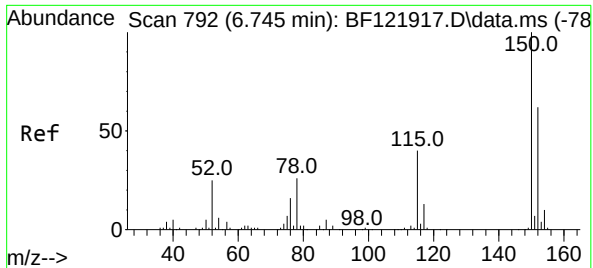
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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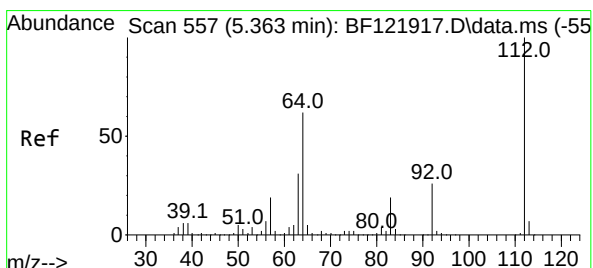
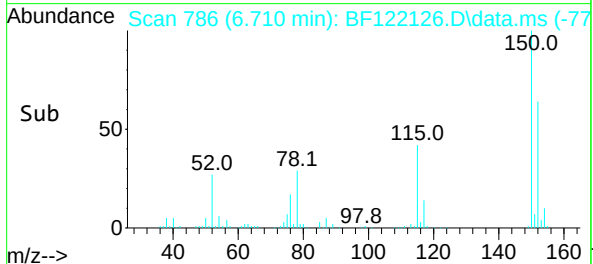
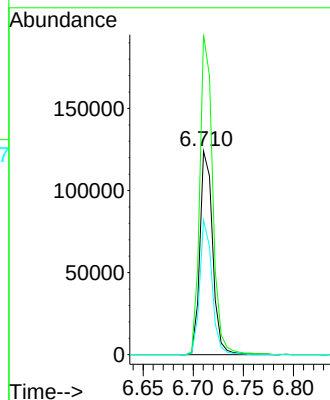
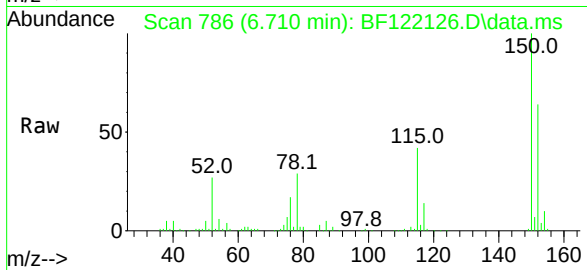




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

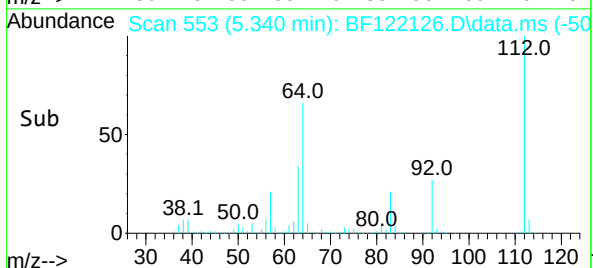
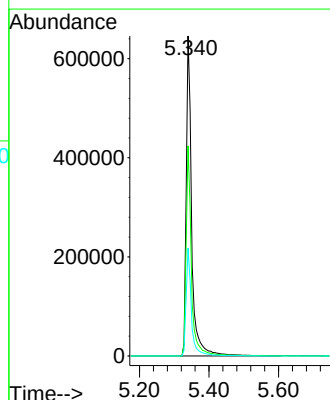
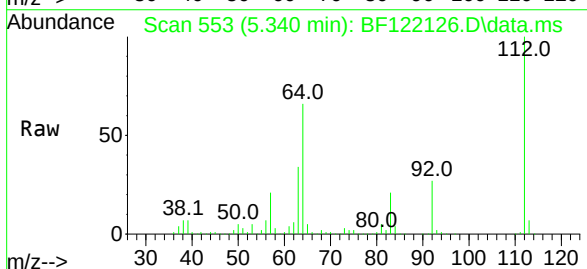
Instrument :
BNA_F
ClientSampleId :
35A

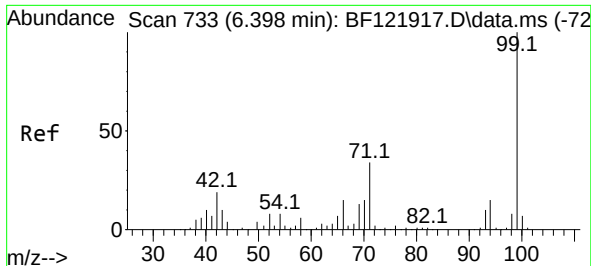
Tgt Ion:152 Resp: 110369
Ion Ratio Lower Upper
152 100
150 157.2 125.3 187.9
115 66.1 51.9 77.9



#5
2-Fluorophenol
Concen: 95.05 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:112 Resp: 710762
Ion Ratio Lower Upper
112 100
64 65.7 50.4 75.6
63 33.7 25.8 38.6

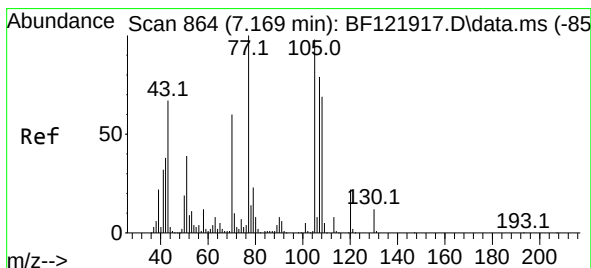
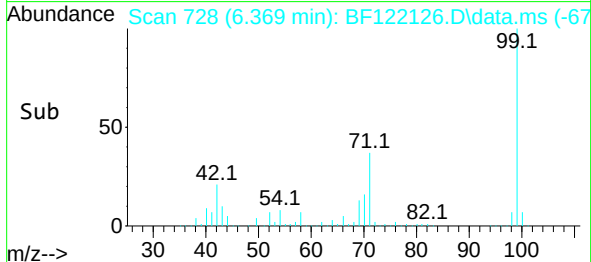
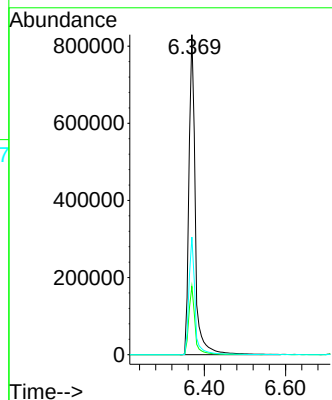
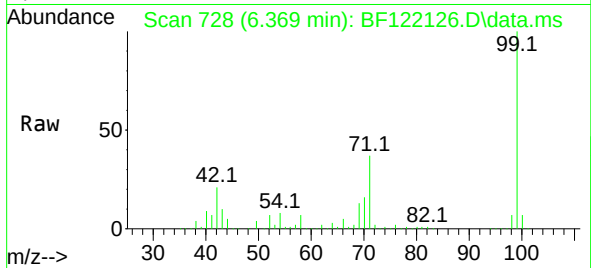




#7
Phenol-d6
Concen: 93.36 ng
RT: 6.369 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

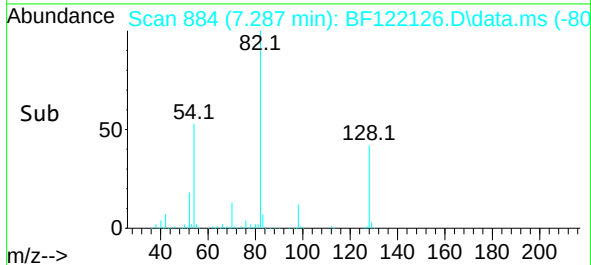
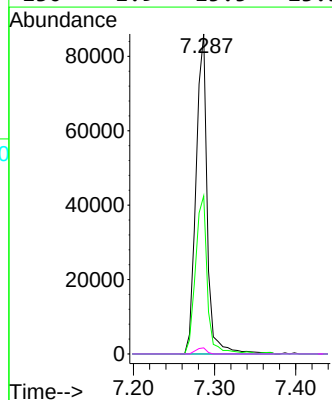
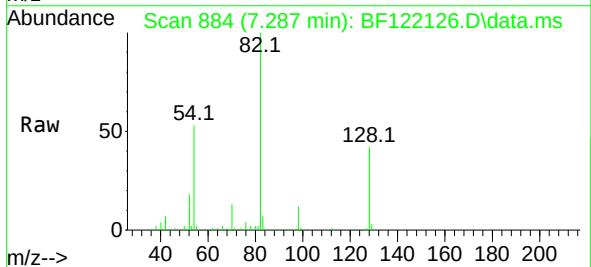
Instrument :
BNA_F
ClientSampled :
35A

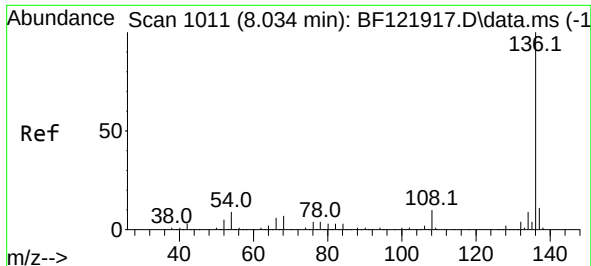
Tgt Ion: 99 Resp: 898728
Ion Ratio Lower Upper
99 100
42 21.3 15.9 23.9
71 36.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.21 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

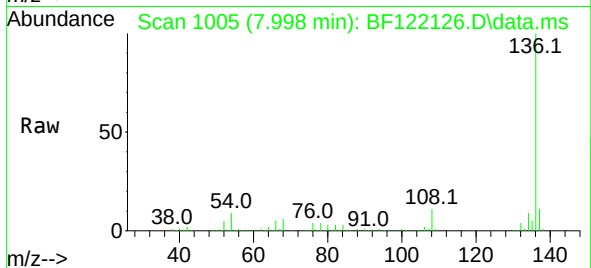
Tgt Ion: 70 Resp: 83390
Ion Ratio Lower Upper
70 100
42 49.4 50.2 75.4#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



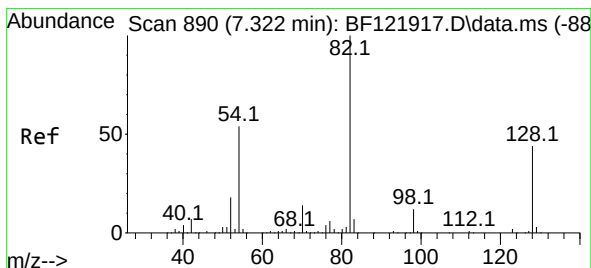
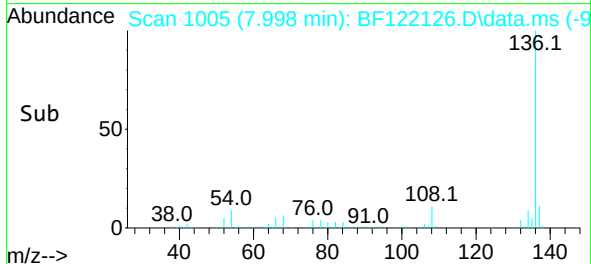
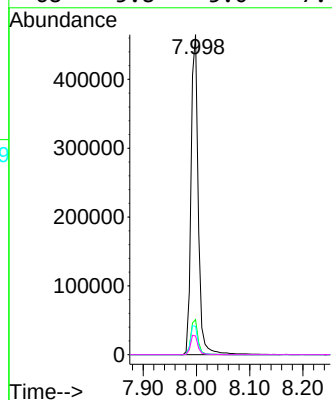


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Instrument :
BNA_F
ClientSampled :
35A

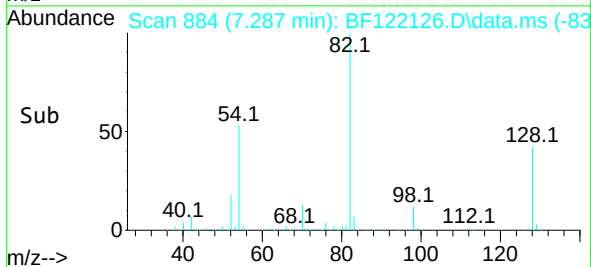
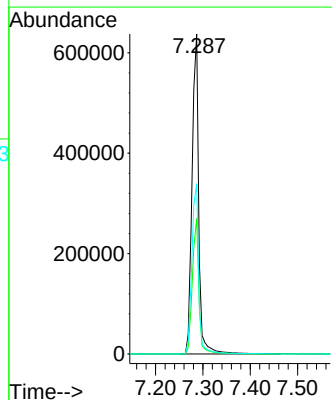
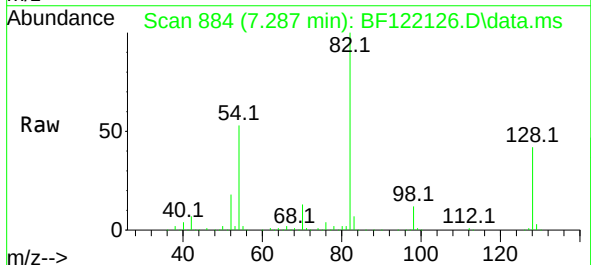


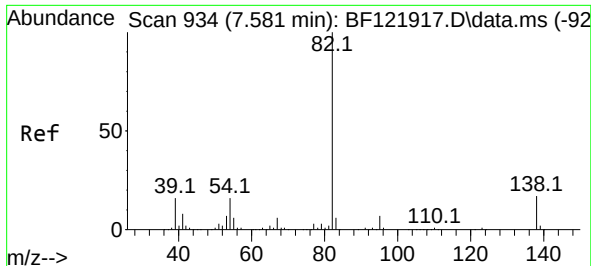
Tgt Ion:136 Resp: 439216
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.9 7.1 10.7
68 5.8 5.0 7.4



#23
Nitrobenzene-d5
Concen: 73.07 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion: 82 Resp: 625745
Ion Ratio Lower Upper
82 100
128 42.3 35.0 52.4
54 53.2 43.9 65.9

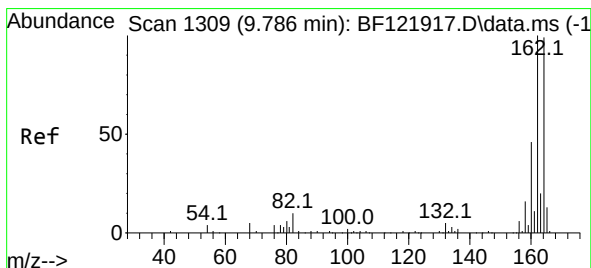
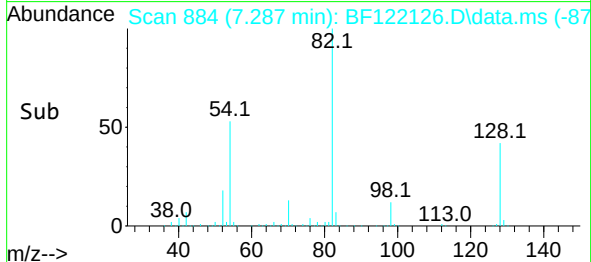
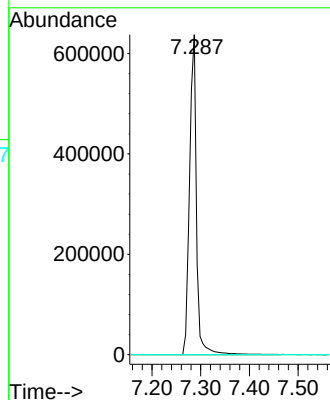
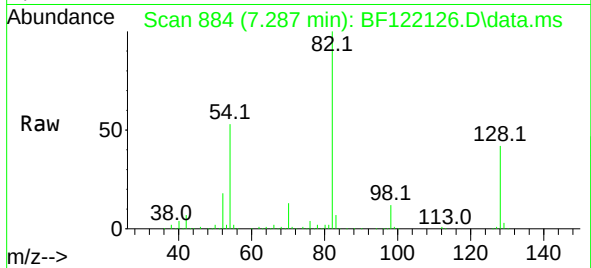




#25
Isophorone
Concen: 38.64 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

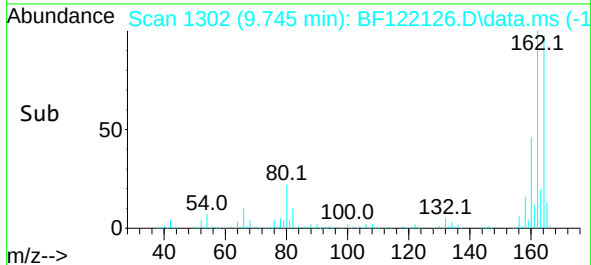
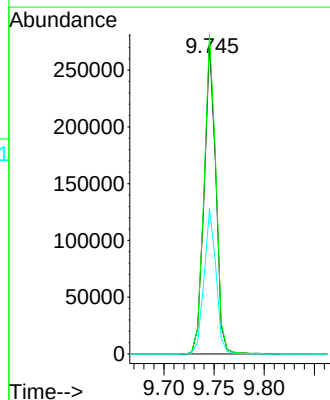
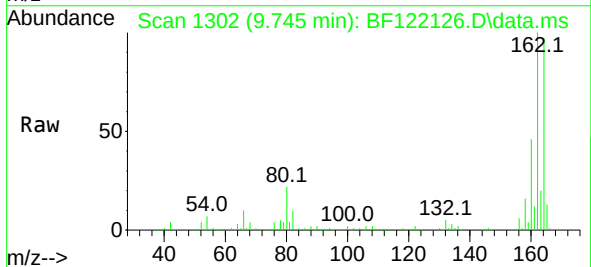
Instrument :
BNA_F
ClientSampleId :
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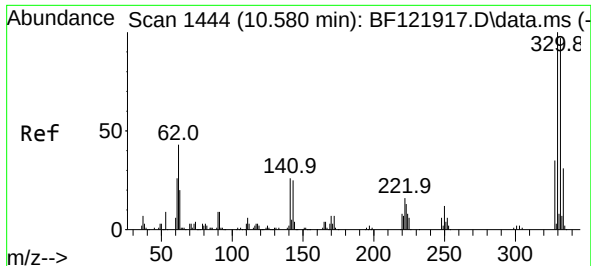
Tgt Ion: 82 Resp: 625740
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

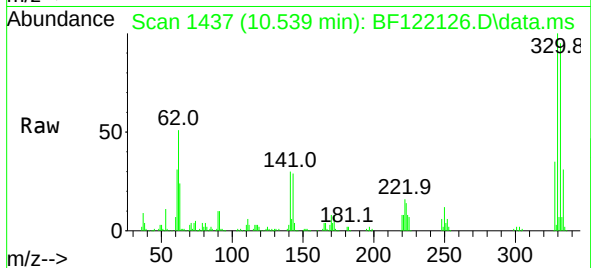
Tgt Ion: 164 Resp: 223590
Ion Ratio Lower Upper
164 100
162 103.0 83.2 124.8
160 46.9 37.5 56.3



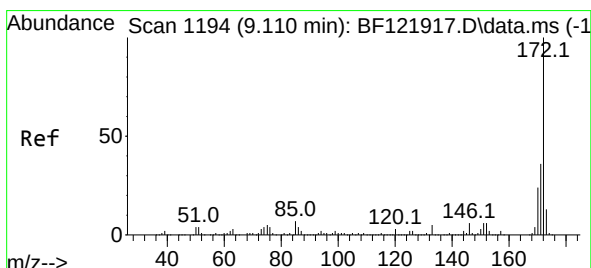
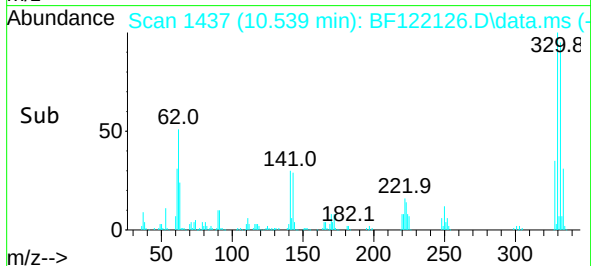
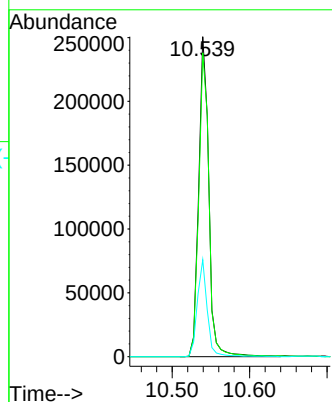


#42
2,4,6-Tribromophenol
Concen: 81.84 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Instrument :
BNA_F
ClientSampled :
35A

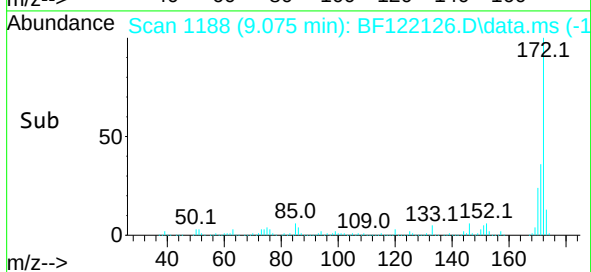
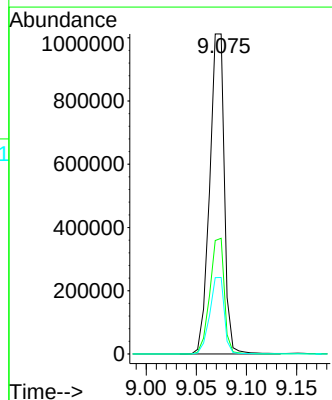
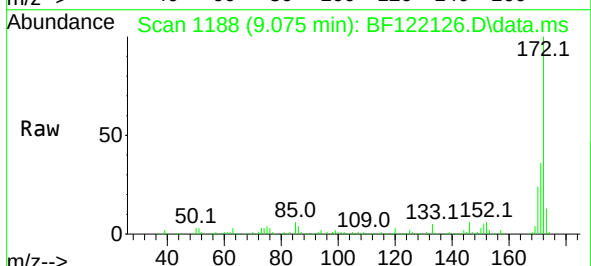


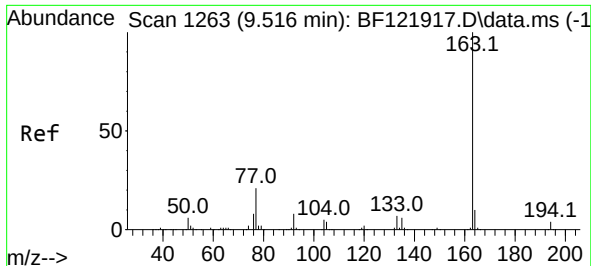
Tgt Ion: 330 Resp: 226356
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 30.1 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 67.87 ng
RT: 9.075 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion: 172 Resp: 1031425
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 23.9 19.8 29.6

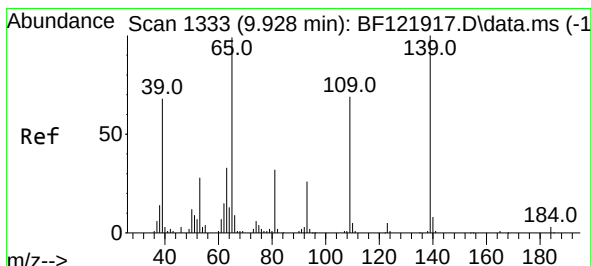
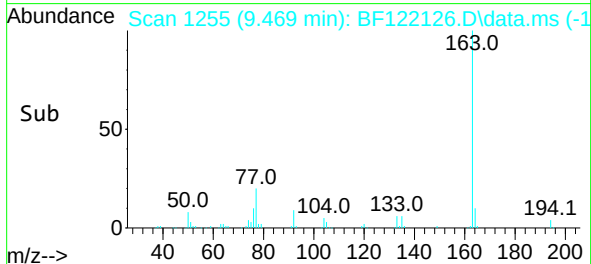
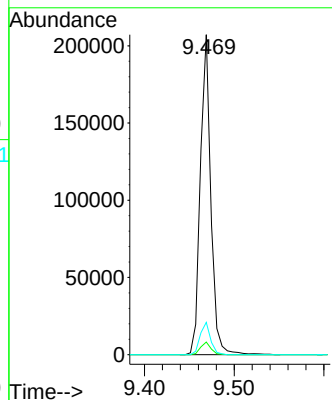
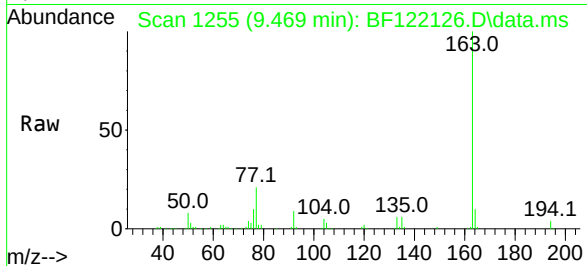




#50
Dimethylphthalate
Concen: 10.29 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

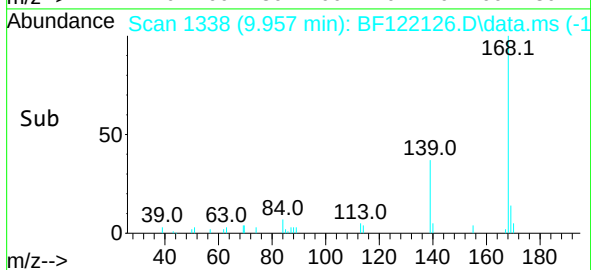
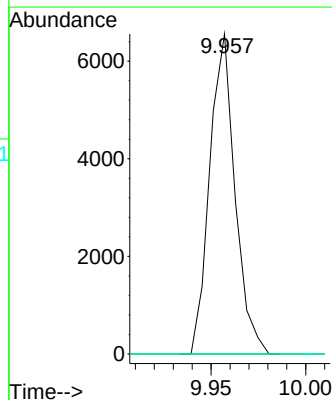
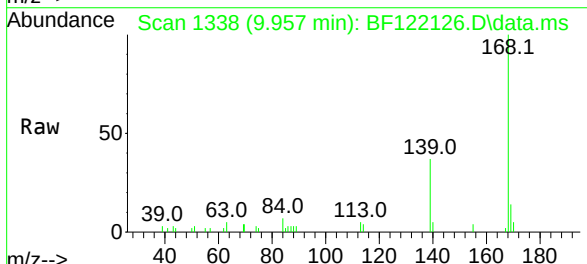
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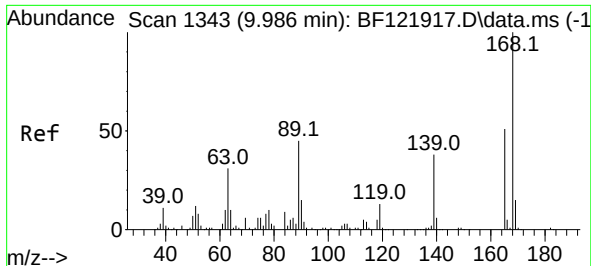
Tgt Ion:163 Resp: 168215
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.2 12.4



#56
4-Nitrophenol
Concen: 2.75 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.047 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

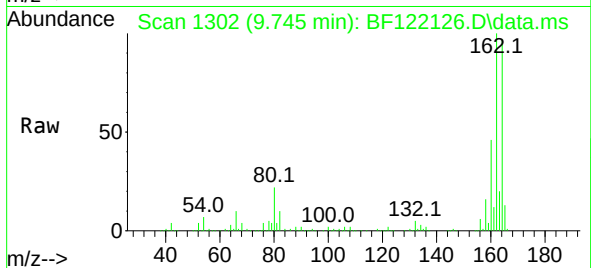
Tgt Ion:139 Resp: 6098
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



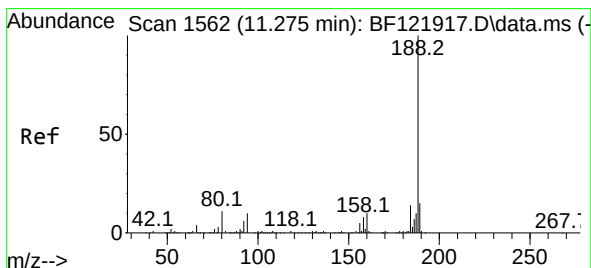
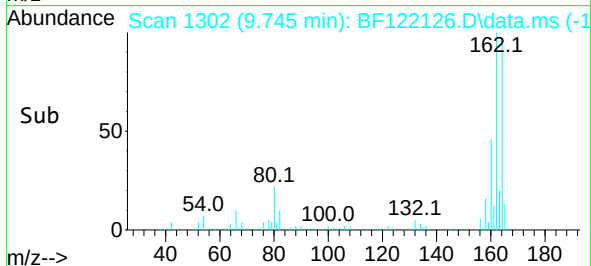
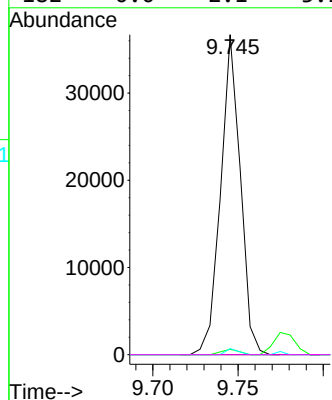


#57
2,4-Dinitrotoluene
Concen: 6.69 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Instrument :
BNA_F
ClientSampled :
35A

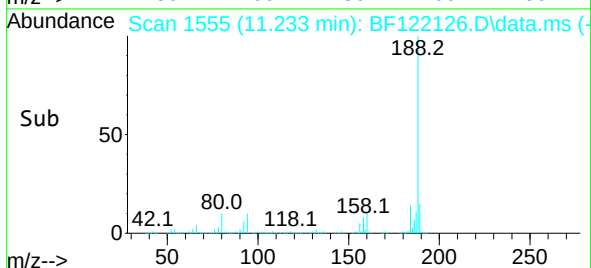
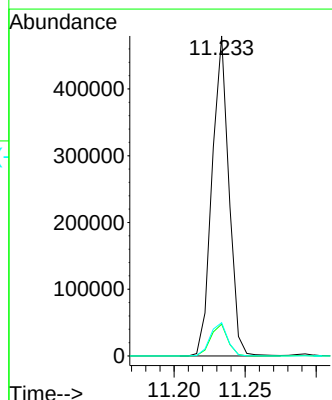
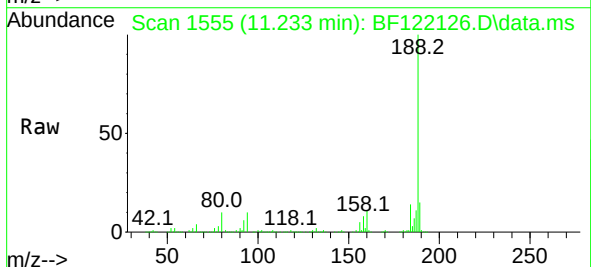


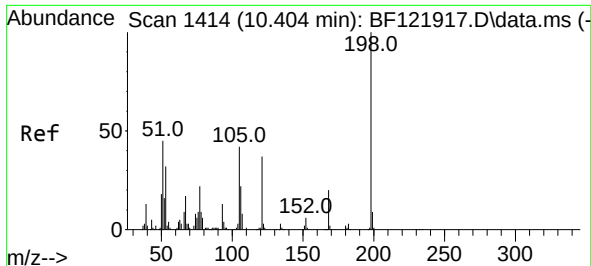
Tgt Ion:165 Resp: 29518
Ion Ratio Lower Upper
165 100
63 1.7 41.3 61.9#
89 1.9 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:188 Resp: 396137
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.4 9.1 13.7

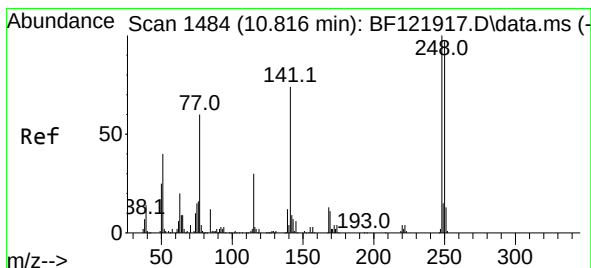
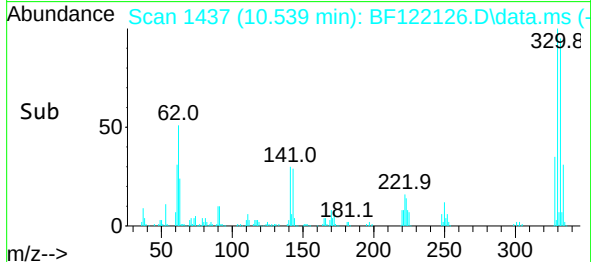
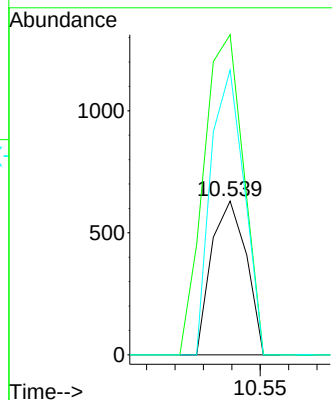
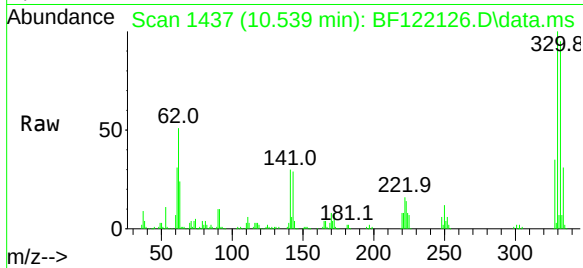




#65
4,6-Dinitro-2-methylphenol
Concen: 4.62 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

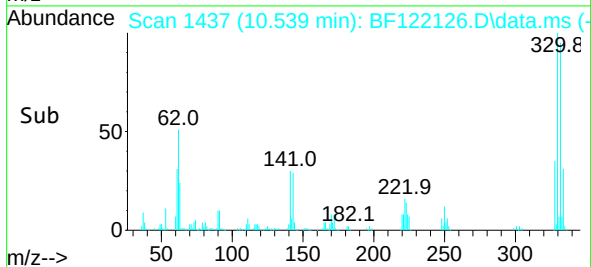
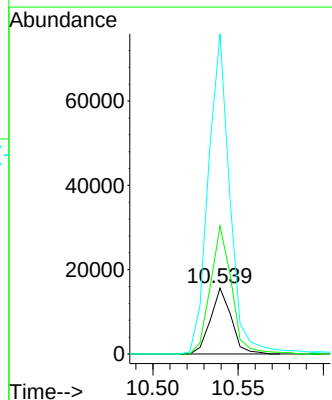
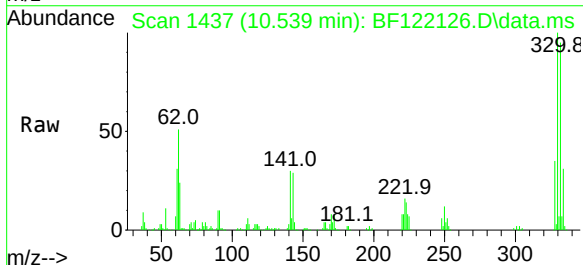
Instrument :
BNA_F
ClientSampled :
35A

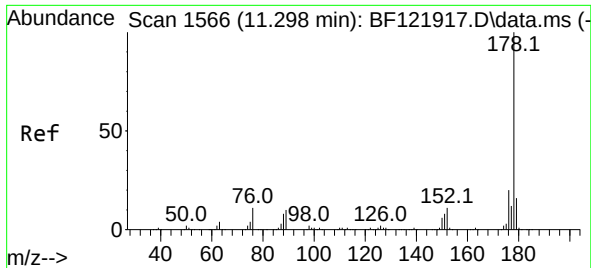
Tgt Ion:198 Resp: 537
Ion Ratio Lower Upper
198 100
51 208.3 29.6 69.6#
105 185.2 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.88 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:248 Resp: 13191
Ion Ratio Lower Upper
248 100
250 194.4 77.0 115.6#
141 486.2 53.7 80.5#

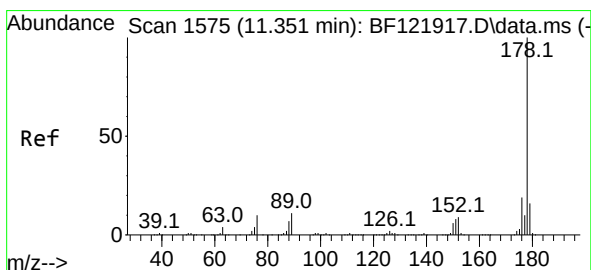
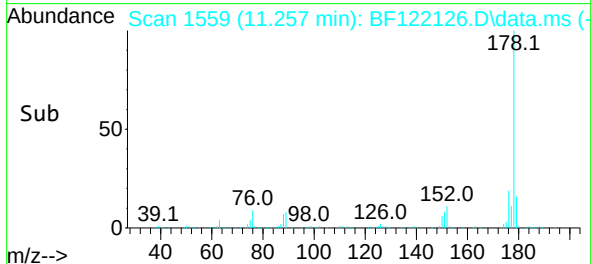
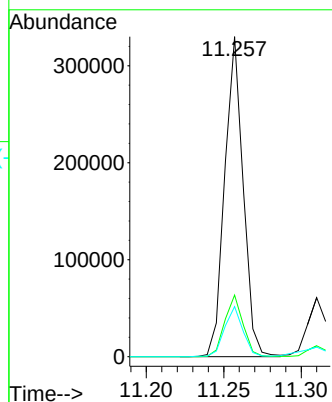
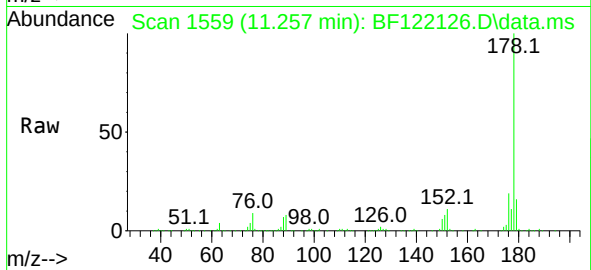




#71
Phenanthrene
Concen: 12.59 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

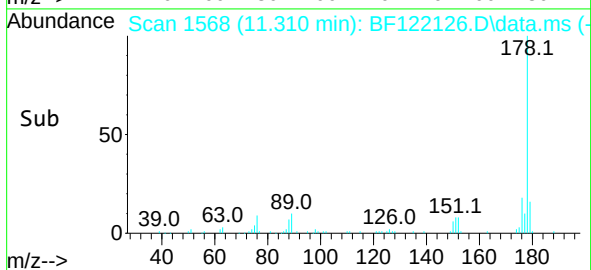
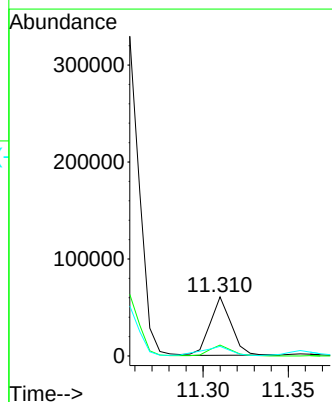
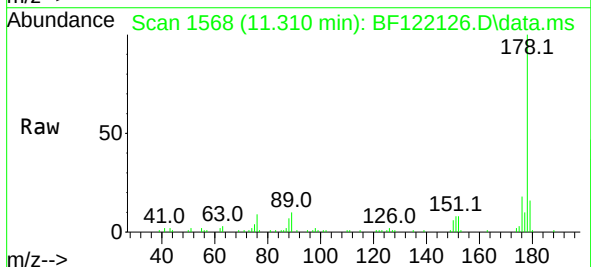
Instrument :
BNA_F
ClientSampled :
35A

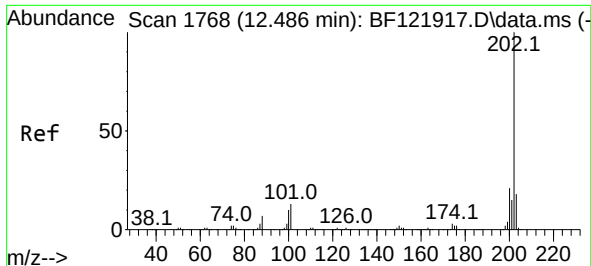
Tgt Ion:178 Resp: 273382
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.7 12.2 18.4



#72
Anthracene
Concen: 2.32 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:178 Resp: 52262
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 16.4 12.7 19.1

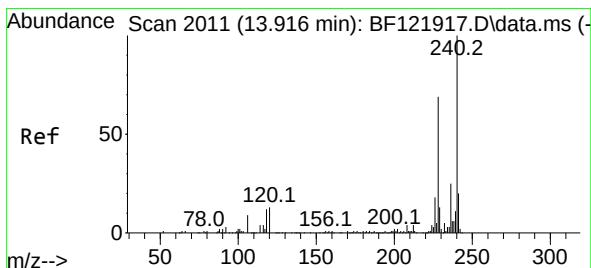
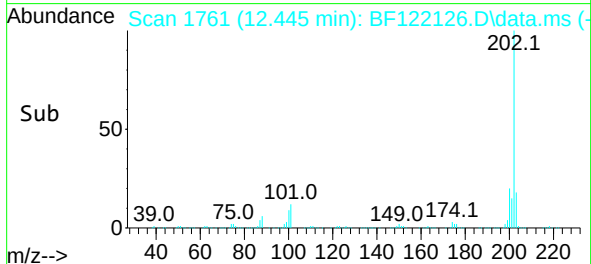
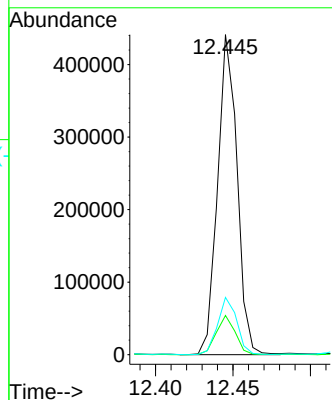
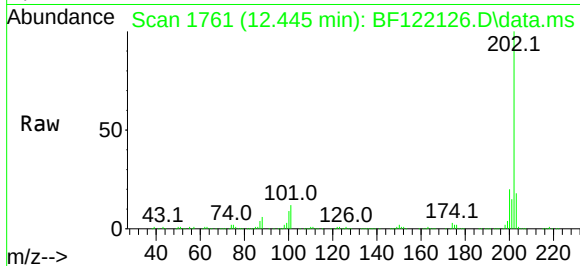




#75
Fluoranthene
Concen: 16.57 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

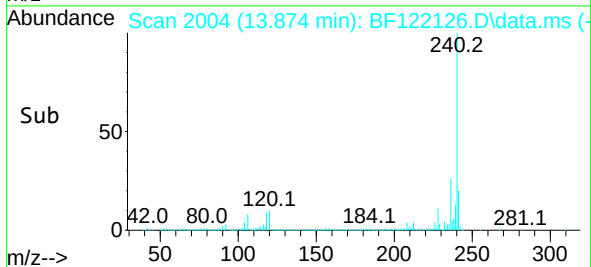
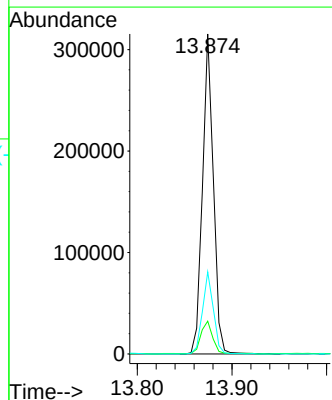
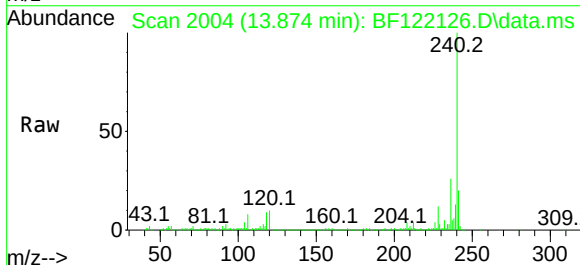
Instrument :
BNA_F
ClientSampled :
35A

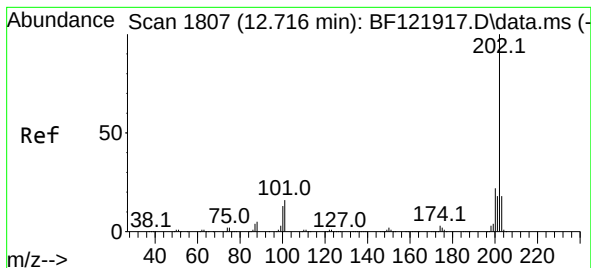
Tgt Ion:	202	Resp:	385915
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.4
203	17.9	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:	240	Resp:	252607
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.2	13.8
236	25.6	20.9	31.3





#78

Pyrene

Concen: 17.02 ng

RT: 12.675 min Scan# 1800

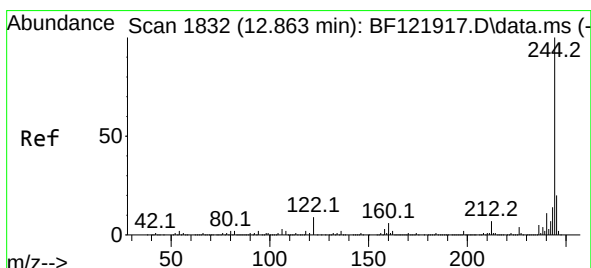
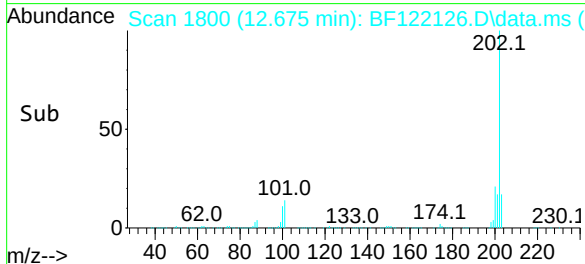
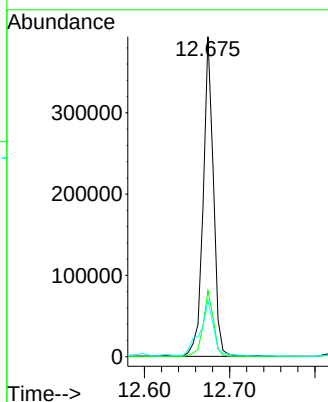
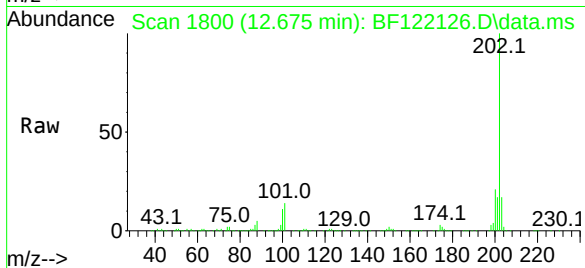
Delta R.T. -0.006 min

Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

Tgt Ion:202 Resp: 327656

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.4	14.6	21.8



#79

Terphenyl-d14

Concen: 70.15 ng

RT: 12.816 min Scan# 1824

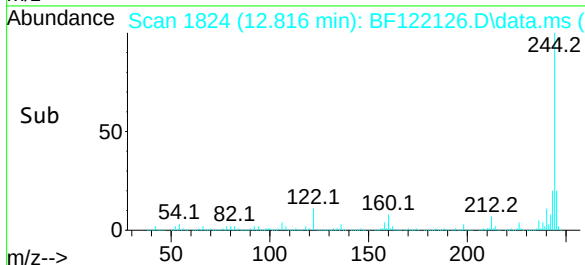
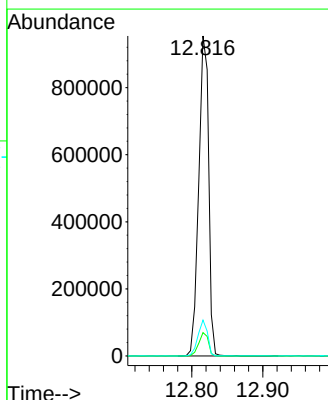
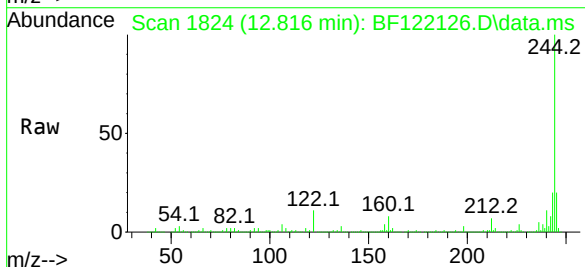
Delta R.T. 0.000 min

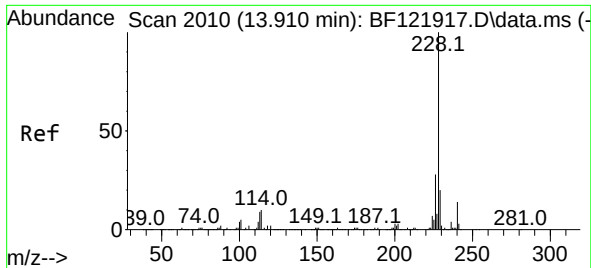
Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

Tgt Ion:244 Resp: 929883

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	11.2	8.1	12.1

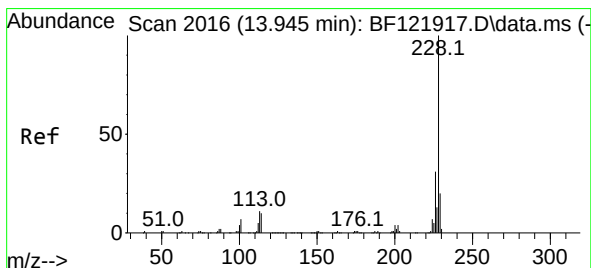
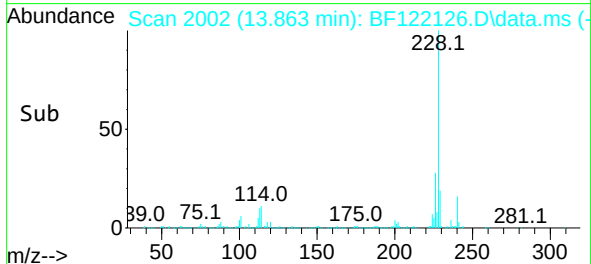
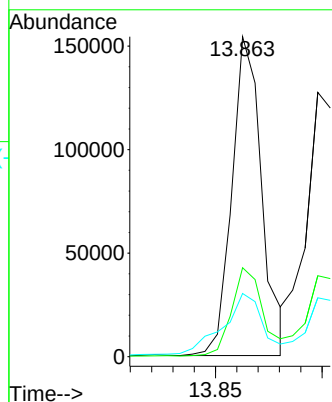
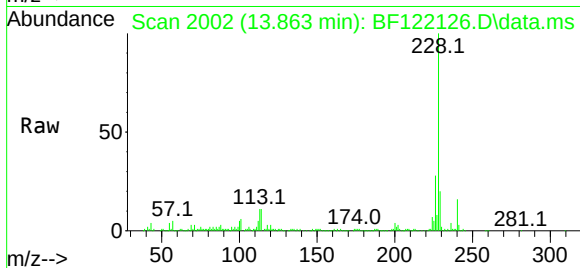




#81
Benzo(a)anthracene
Concen: 9.09 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

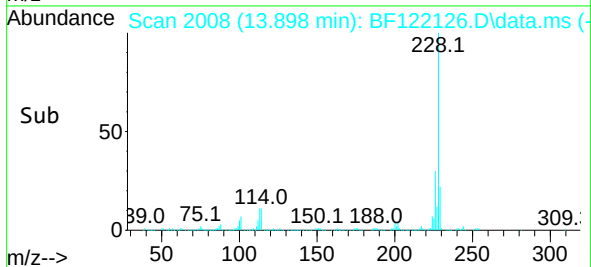
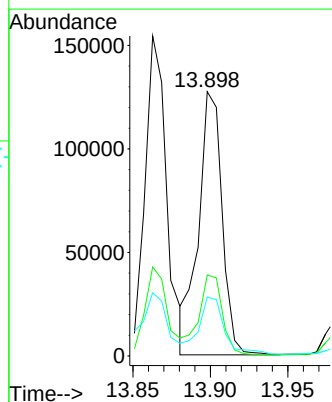
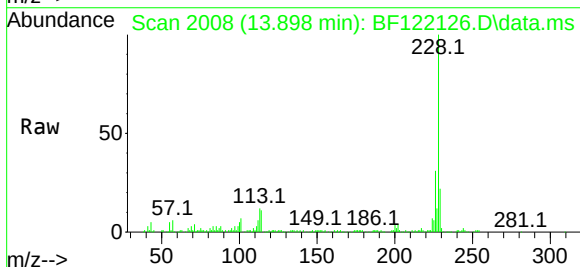
Instrument :
BNA_F
ClientSampleId :
35A

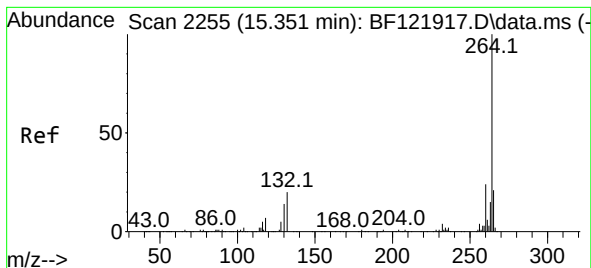
Tgt Ion:228	Resp: 150386
Ion Ratio	Lower Upper
228	100
226	27.8 22.3 33.5
229	19.8 16.2 24.4



#83
Chrysene
Concen: 8.30 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:228	Resp: 134930
Ion Ratio	Lower Upper
228	100
226	30.6 24.6 37.0
229	22.3 15.9 23.9

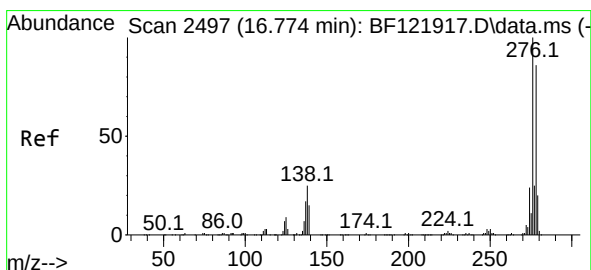
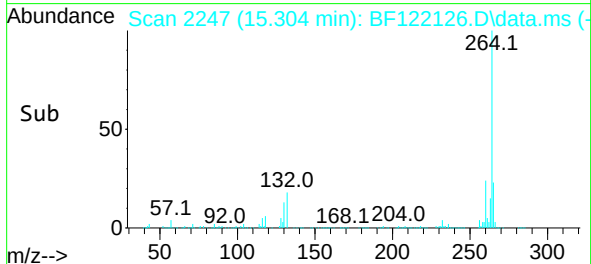
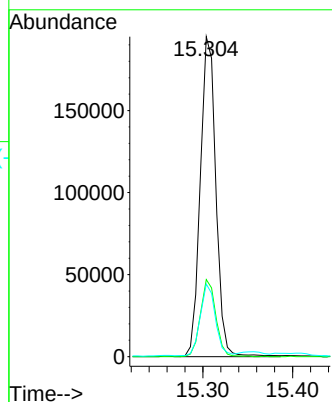
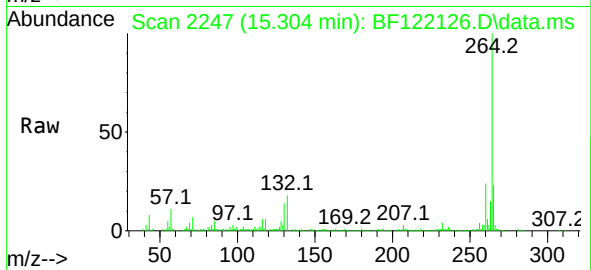




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

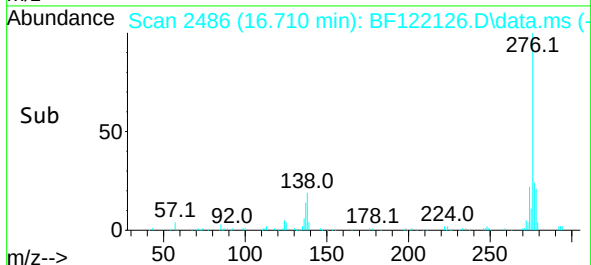
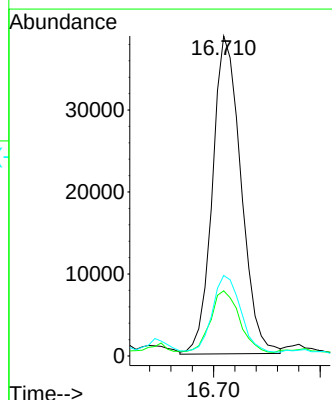
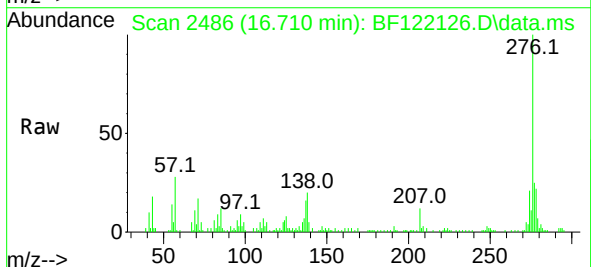
Instrument :
BNA_F
ClientSampled :
35A

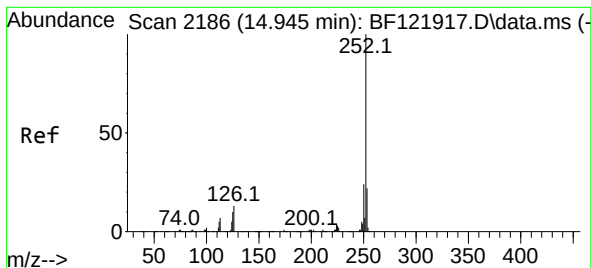
Tgt Ion:264 Resp: 235951
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.7 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.71 ng
RT: 16.710 min Scan# 2486
Delta R.T. -0.006 min
Lab File: BF122126.D
Acq: 26 Oct 2020 20:43

Tgt Ion:276 Resp: 72173
Ion Ratio Lower Upper
276 100
138 21.2 19.9 29.9
277 23.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.72 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.000 min

Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

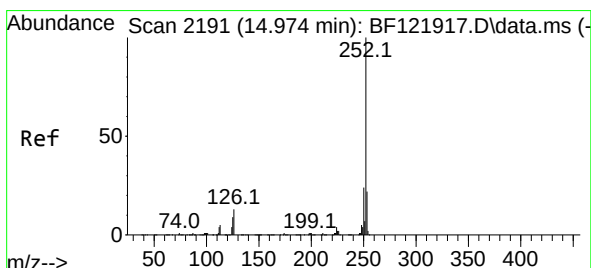
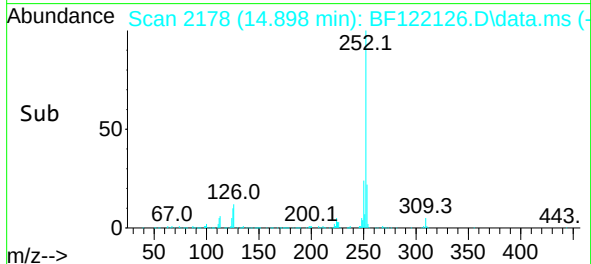
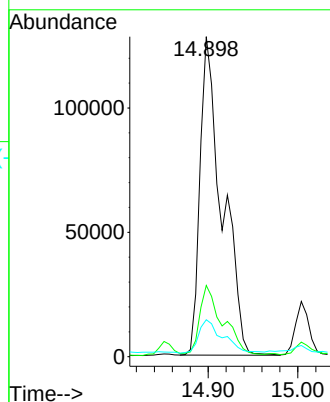
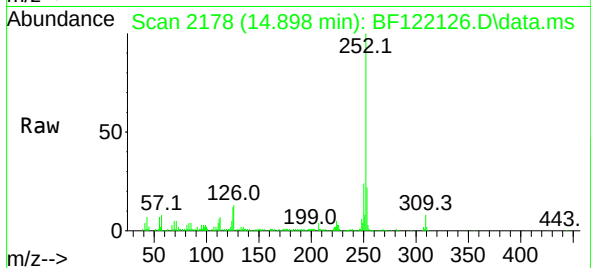
Instrument :

BNA_F

ClientSampleId :

35A

Tgt Ion:252	Resp:	218814
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.2 27.2
125	11.5	8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 14.44 ng

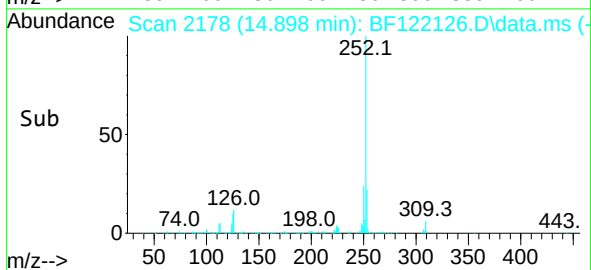
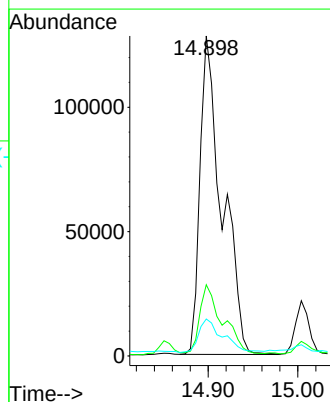
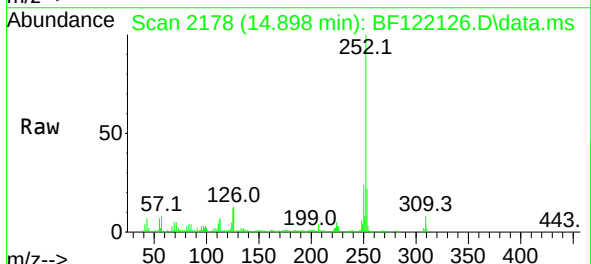
RT: 14.898 min Scan# 2178

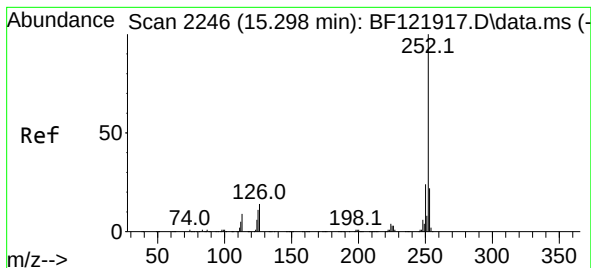
Delta R.T. -0.029 min

Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

Tgt Ion:252	Resp:	218814
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.8 26.6
125	11.5	7.7 11.5#





#90

Benzo(a)pyrene

Concen: 8.53 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

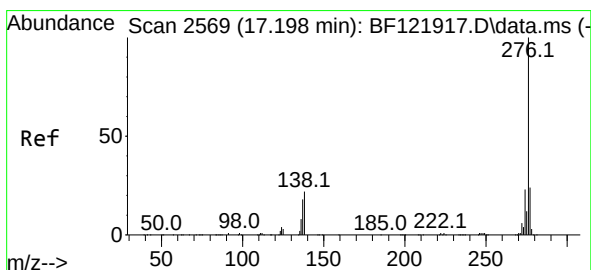
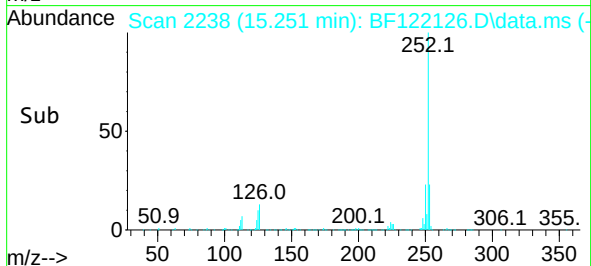
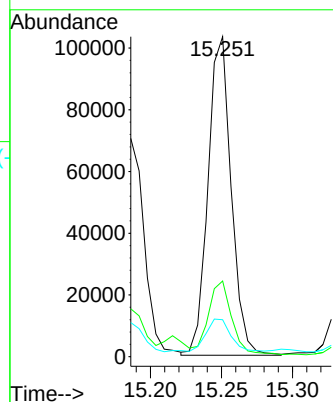
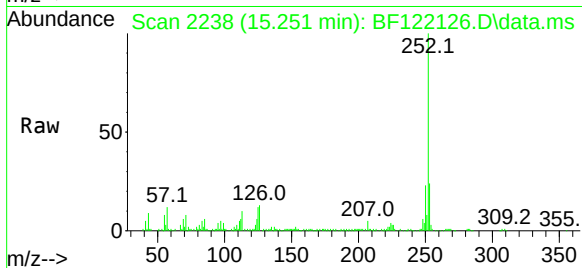
Tgt Ion:252 Resp: 117544

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 11.6 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.06 ng

RT: 17.139 min Scan# 2559

Delta R.T. 0.006 min

Lab File: BF122126.D

Acq: 26 Oct 2020 20:43

Tgt Ion:276 Resp: 63872

Ion Ratio Lower Upper

276 100

277 25.7 19.4 29.2

138 21.5 17.8 26.6

