

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102320\
 Data File : BF122103.D
 Acq On : 23 Oct 2020 17:19
 Operator : JU/CG
 Sample : L4436-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 35B

Quant Time: Oct 23 17:45:26 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)

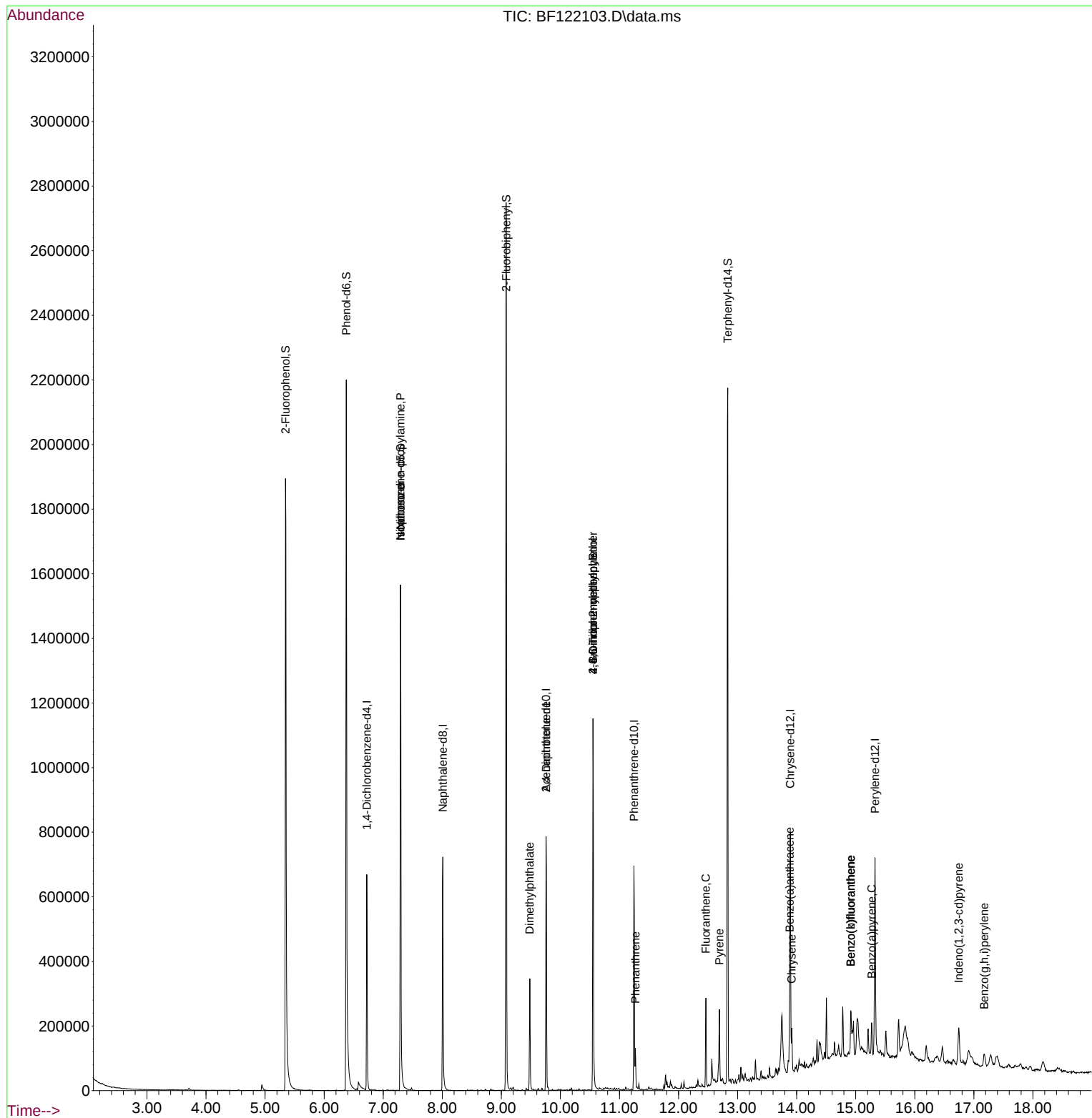
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	93471	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	353576	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	159816	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	256627	20.00	ng	0.00
76) Chrysene-d12	13.892	240	234962	20.00	ng	0.00
86) Perylene-d12	15.327	264	243413	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	626109	98.86	ng	0.00
7) Phenol-d6	6.375	99	776952	95.30	ng	0.00
23) Nitrobenzene-d5	7.293	82	539619	78.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	146558	74.13	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	844729	77.77	ng	0.00
79) Terphenyl-d14	12.833	244	676844	54.90	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1143	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.293	70	71771	15.46	ng	# 79
25) Isophorone	7.293	82	534111	40.97	ng	# 67
50) Dimethylphthalate	9.481	163	134120	11.48	ng	100
57) 2,4-Dinitrotoluene	9.757	165	20291	6.43	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.551	198	144	4.51	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	8409	2.84	ng	# 1
71) Phenanthrene	11.269	178	44450	3.16	ng	99
75) Fluoranthene	12.463	202	105219	6.97	ng	97
78) Pyrene	12.692	202	88787	4.96	ng	97
81) Benzo(a)anthracene	13.880	228	53909	3.50	ng	98
83) Chrysene	13.916	228	46818	3.10	ng	96
87) Indeno(1,2,3-cd)pyrene	16.745	276	34171	2.16	ng	96
88) Benzo(b)fluoranthene	14.916	252	97119	5.90	ng	# 97
89) Benzo(k)fluoranthene	14.916	252	96704	6.19	ng	# 96
90) Benzo(a)pyrene	15.268	252	46220	3.25	ng	# 94
92) Benzo(g,h,i)perylene	17.174	276	31196	2.40	ng	97

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

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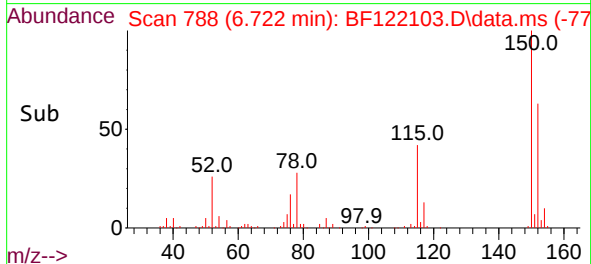
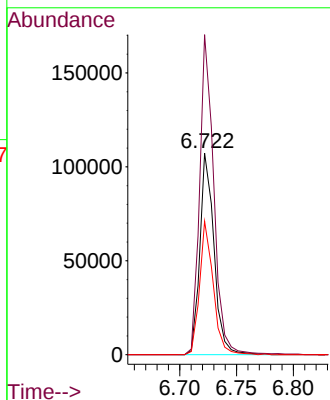
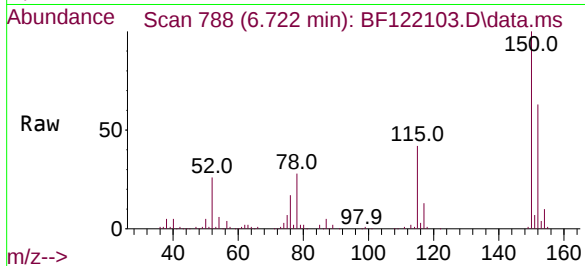




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

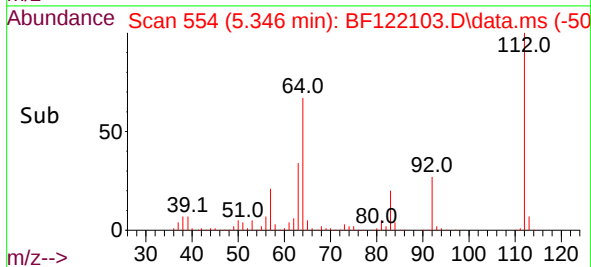
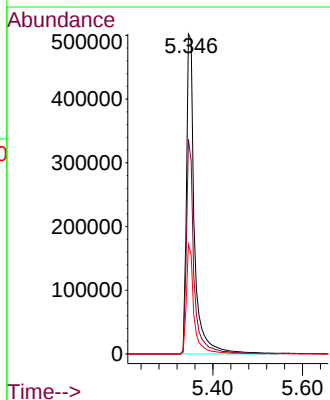
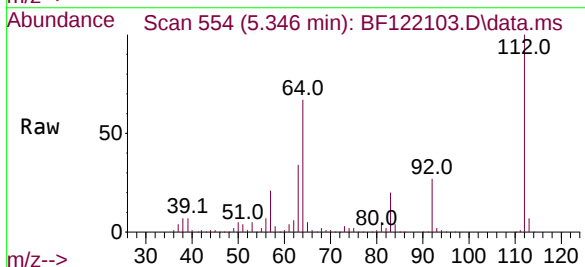
Instrument :
BNA_F
ClientSampleId :
35B

Tgt Ion:152 Resp: 93471
Ion Ratio Lower Upper
152 100
150 158.7 125.3 187.9
115 66.2 51.9 77.9



#5
2-Fluorophenol
Concen: 98.86 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:112 Resp: 626109
Ion Ratio Lower Upper
112 100
64 67.0 50.4 75.6
63 34.3 25.8 38.6

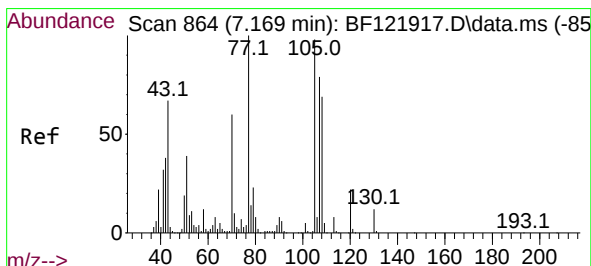
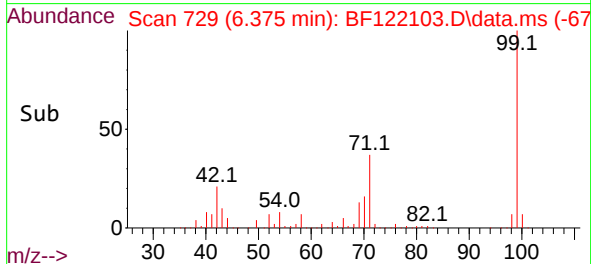
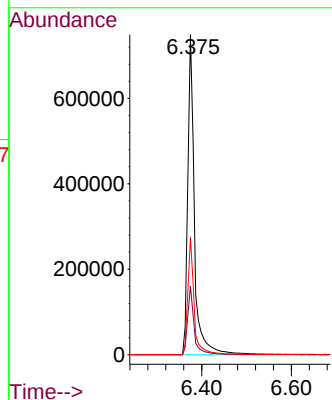
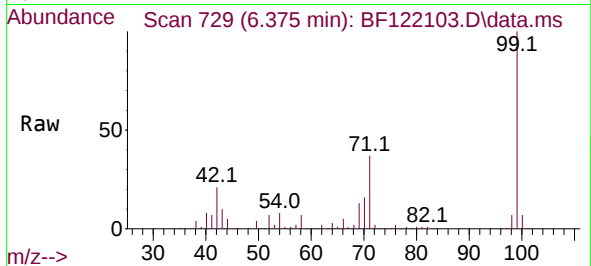




#7
Phenol-d6
Concen: 95.30 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

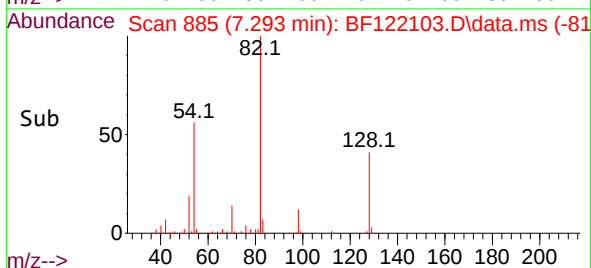
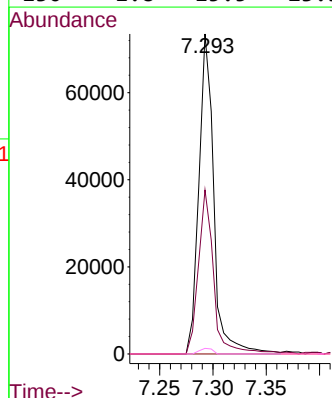
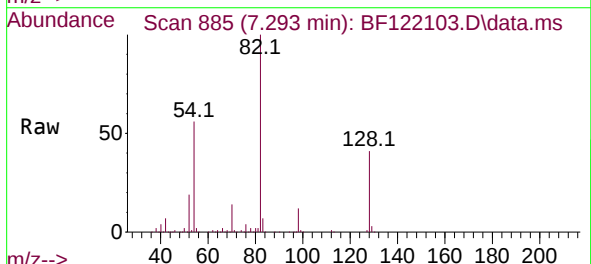
Instrument :
BNA_F
ClientSampleId :
35B

Tgt Ion: 99 Resp: 776952
Ion Ratio Lower Upper
99 100
42 21.4 15.9 23.9
71 36.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.46 ng
RT: 7.293 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

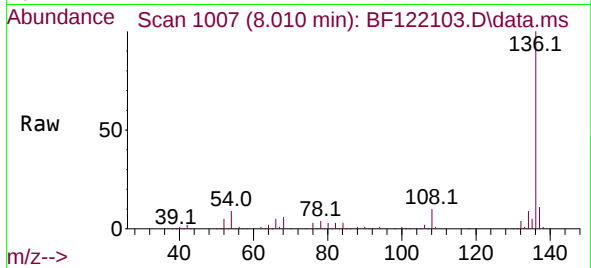
Tgt Ion: 70 Resp: 71771
Ion Ratio Lower Upper
70 100
42 51.3 50.2 75.4
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



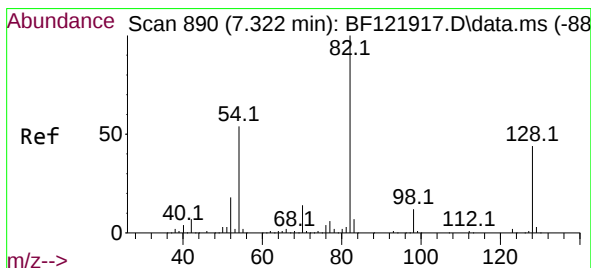
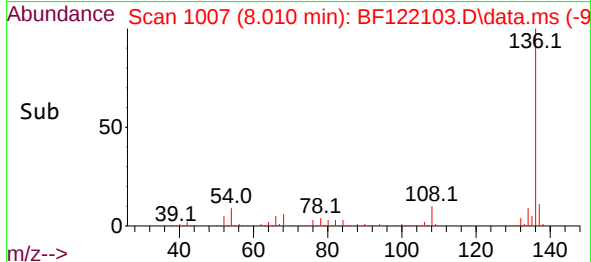
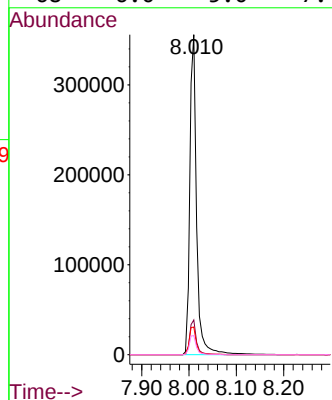


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Instrument :
BNA_F
ClientSampled :
35B

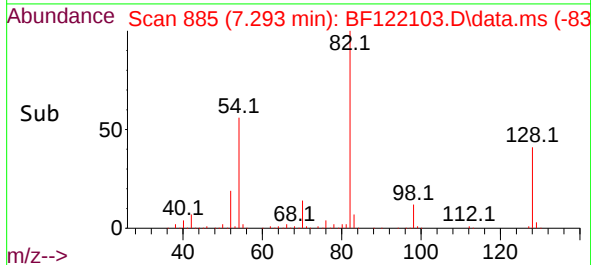
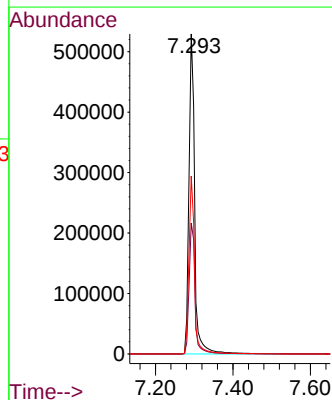
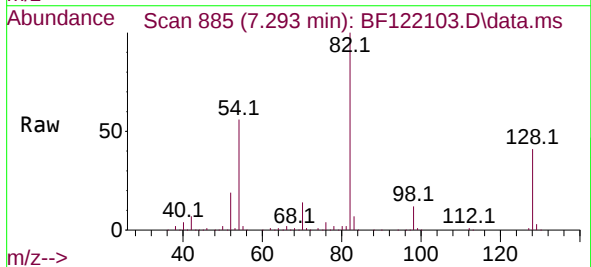


Tgt Ion:136 Resp: 353576
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.1 10.7
68 6.0 5.0 7.4



#23
Nitrobenzene-d5
Concen: 78.27 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion: 82 Resp: 539619
Ion Ratio Lower Upper
82 100
128 40.9 35.0 52.4
54 55.6 43.9 65.9

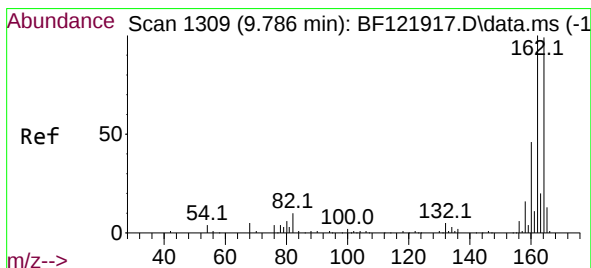
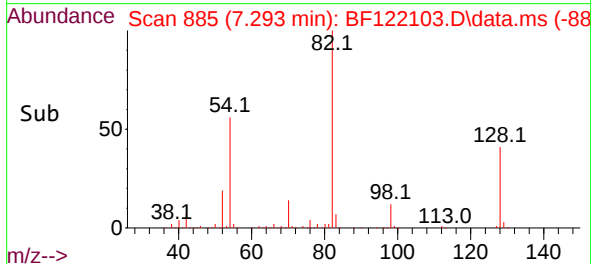
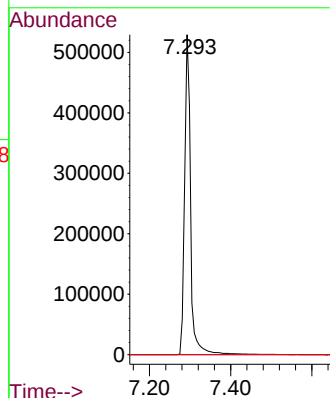
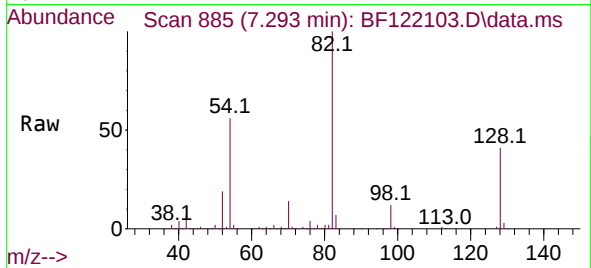




#25
Isophorone
Concen: 40.97 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

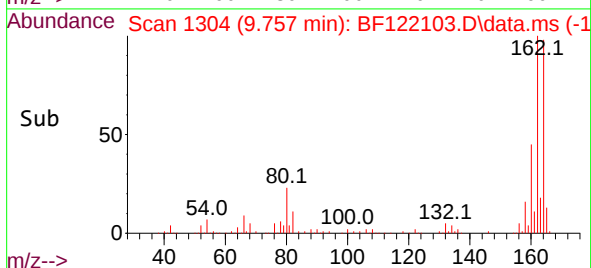
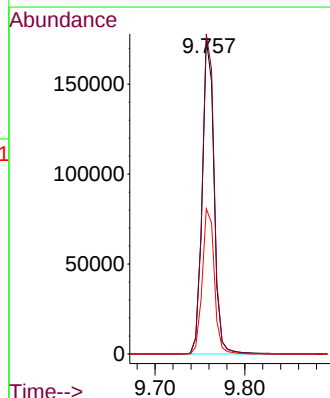
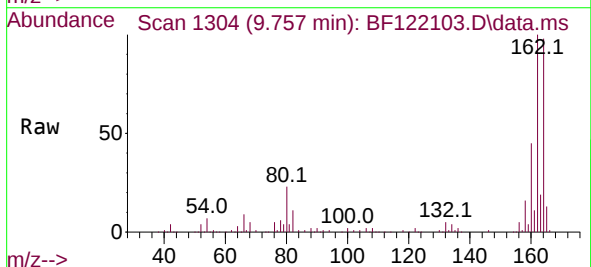
Instrument :
BNA_F
ClientSampleId :
35B

Tgt Ion: 82 Resp: 534111
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: BF122103.D
Acq: 23 Oct 2020 17:19

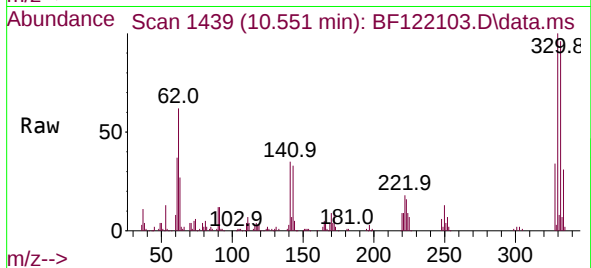
Tgt Ion:164 Resp: 159816
Ion Ratio Lower Upper
164 100
162 101.6 83.2 124.8
160 46.1 37.5 56.3



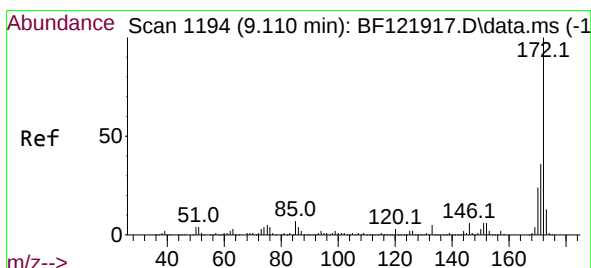
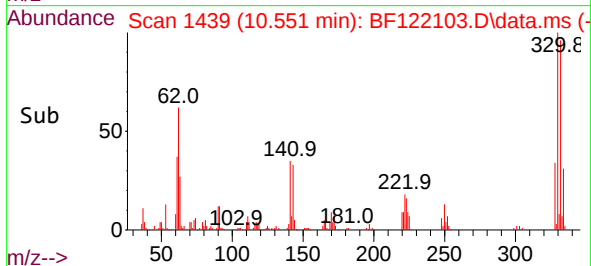
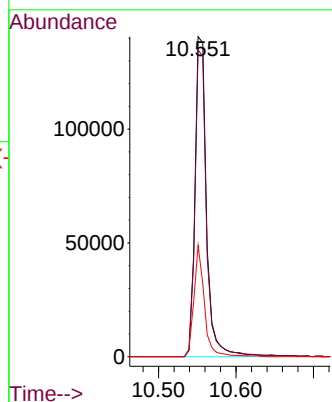


#42
2,4,6-Tribromophenol
Concen: 74.13 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Instrument :
BNA_F
ClientSampleId :
35B

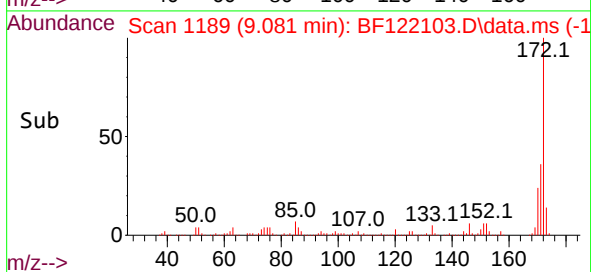
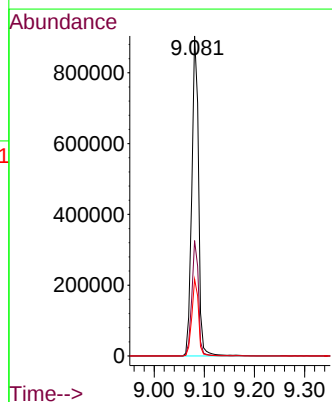
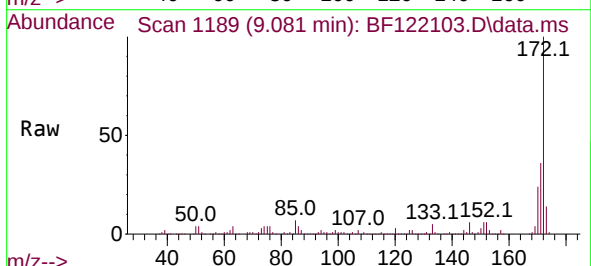


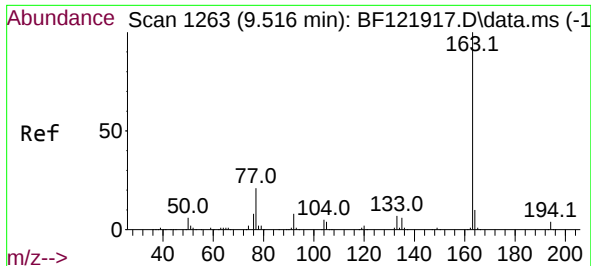
Tgt Ion:330 Resp: 146558
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 31.3 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 77.77 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:172 Resp: 844729
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.0 19.8 29.6

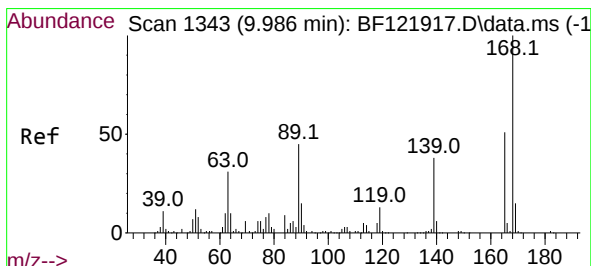
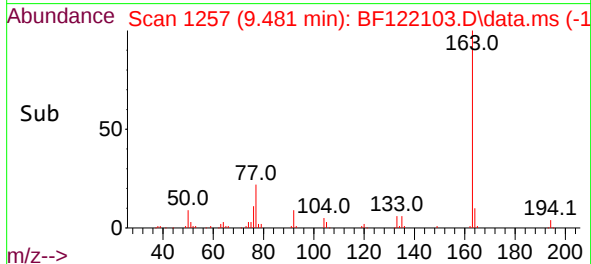
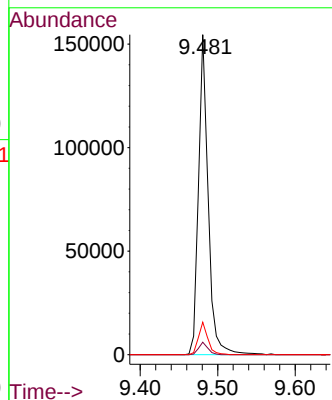
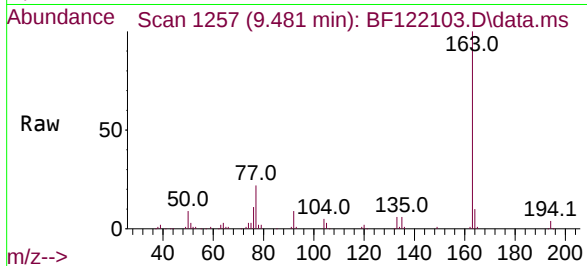




#50
Dimethylphthalate
Concen: 11.48 ng
RT: 9.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

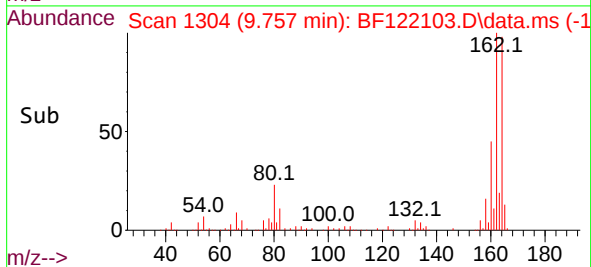
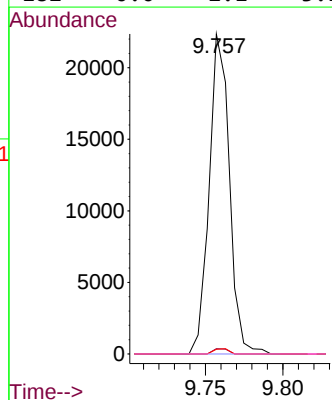
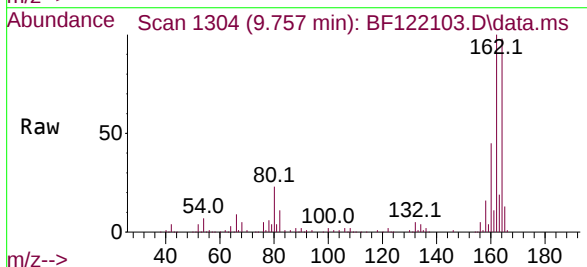
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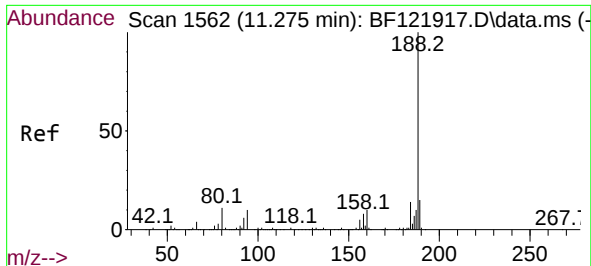
Tgt Ion:163 Resp: 134120
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.2 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.218 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

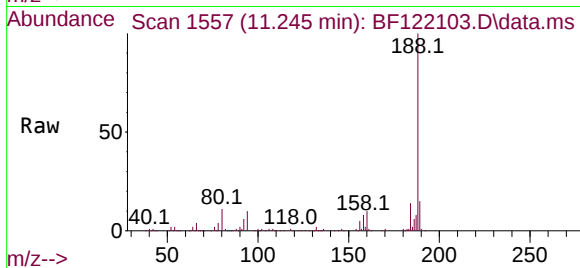
Tgt Ion:165 Resp: 20291
Ion Ratio Lower Upper
165 100
63 1.6 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#



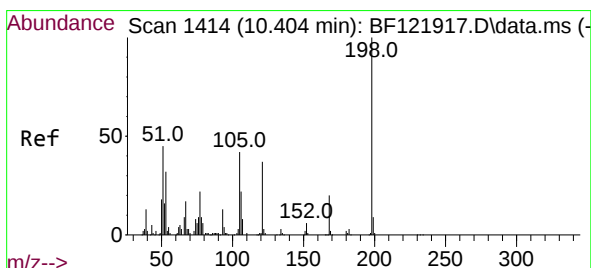
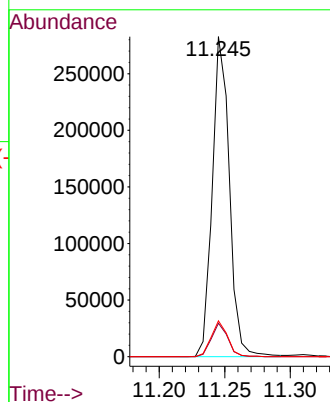
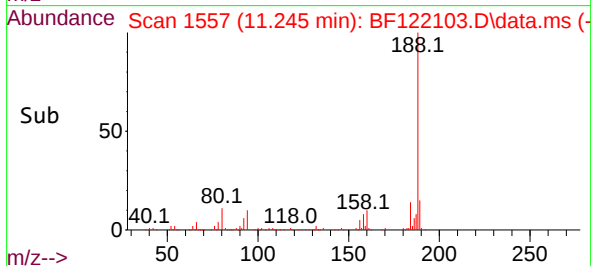


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

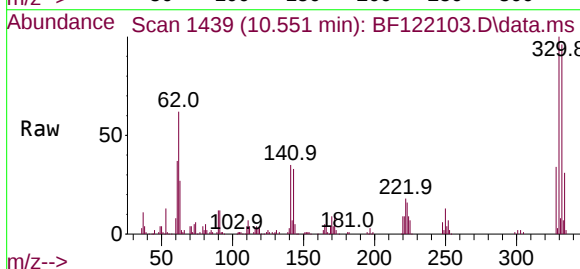
Instrument :
BNA_F
ClientSampleId :
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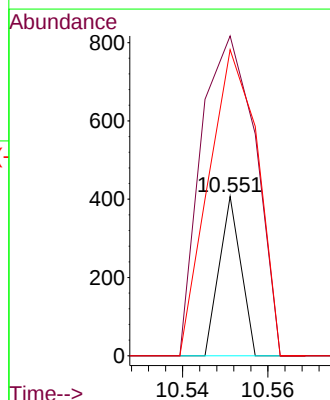
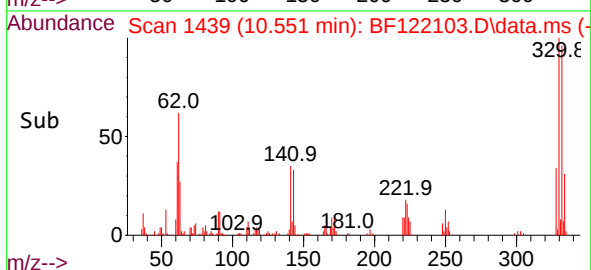
Tgt Ion:188 Resp: 256627
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.2 9.1 13.7

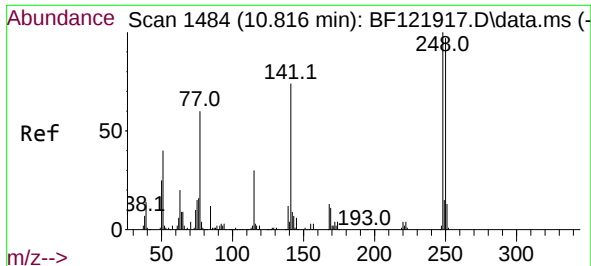


#65
4,6-Dinitro-2-methylphenol
Concen: 4.51 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.165 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19



Tgt Ion:198 Resp: 144
Ion Ratio Lower Upper
198 100
51 200.7 29.6 69.6#
105 192.1 24.4 64.4#

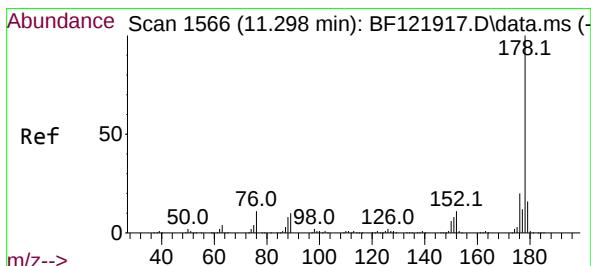
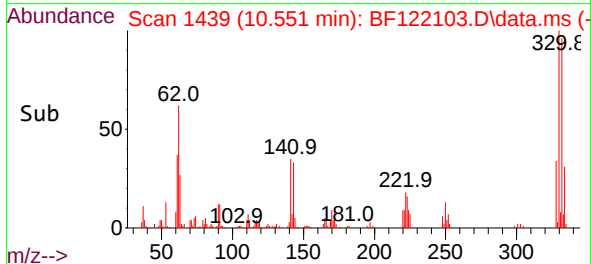
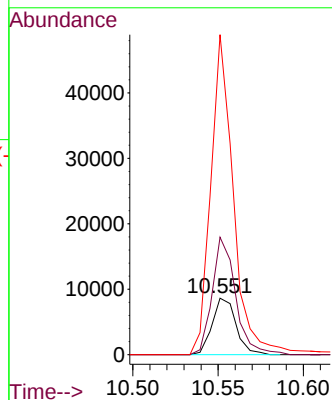
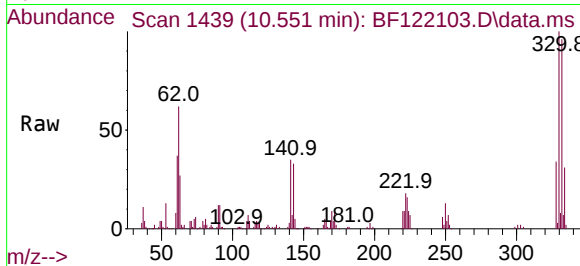




#67
4-Bromophenyl-phenylether
Concen: 2.84 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.241 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

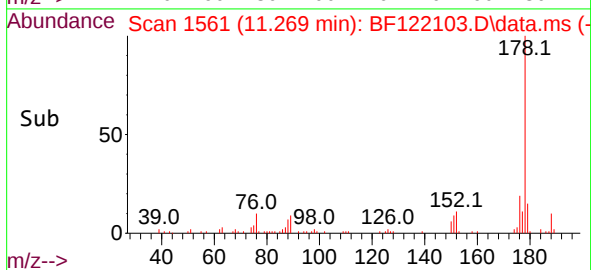
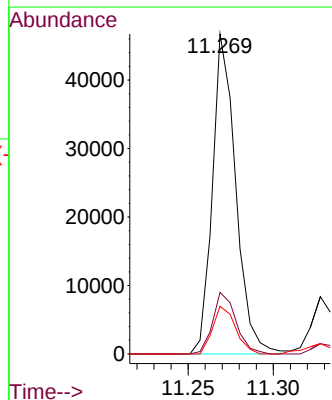
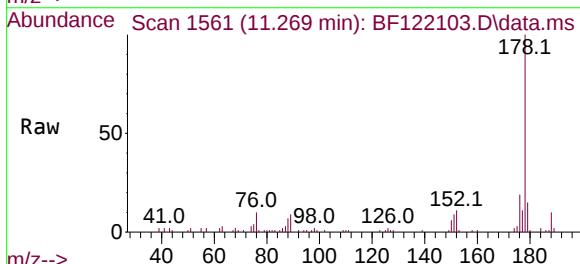
Instrument :
BNA_F
ClientSampleId :
35B

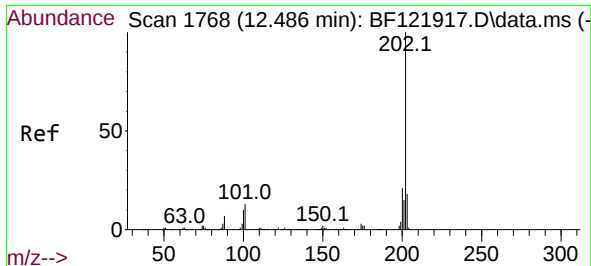
Tgt Ion:248 Resp: 8409
Ion Ratio Lower Upper
248 100
250 208.3 77.0 115.6#
141 567.1 53.7 80.5#



#71
Phenanthrene
Concen: 3.16 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:178 Resp: 44450
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 14.9 12.2 18.4

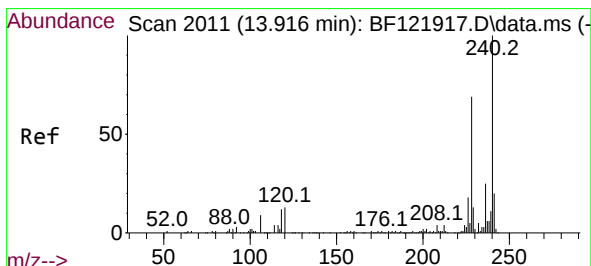
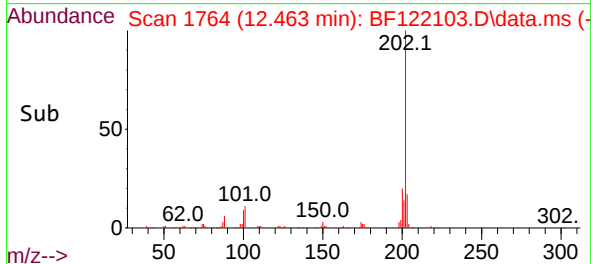
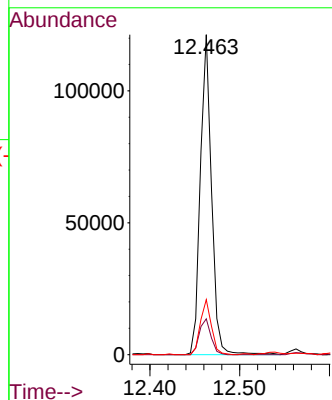
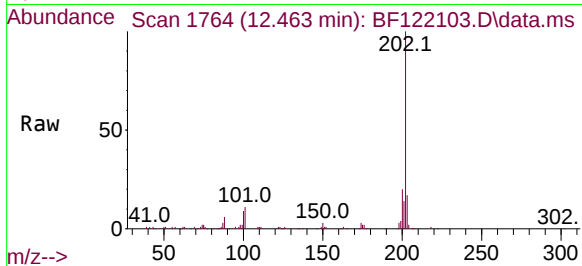




#75
Fluoranthene
Concen: 6.97 ng
RT: 12.463 min Scan# 1764
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

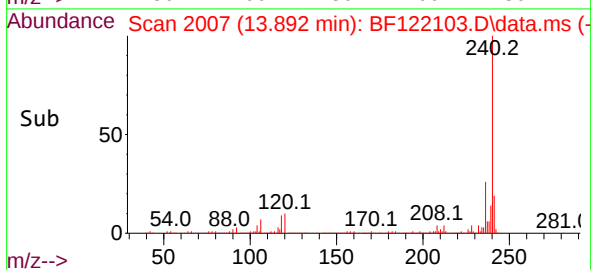
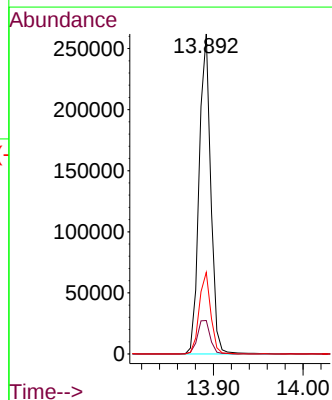
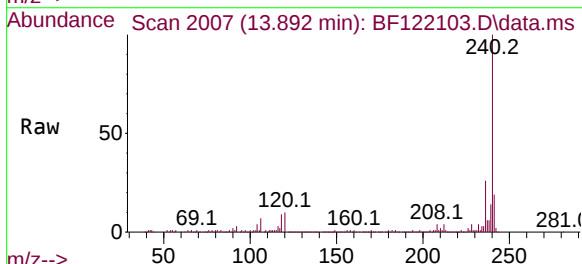
Instrument :
BNA_F
ClientSampleId :
35B

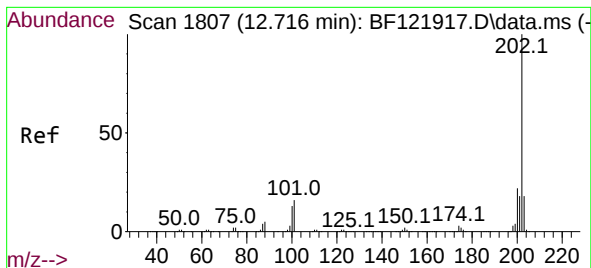
Tgt Ion:202 Resp: 105219
Ion Ratio Lower Upper
202 100
101 11.2 0.0 33.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:240 Resp: 234962
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 25.5 20.9 31.3





#78

Pyrene

Concen: 4.96 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.006 min

Lab File: BF122103.D

Acq: 23 Oct 2020 17:19

Tgt Ion:202 Resp: 88787

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

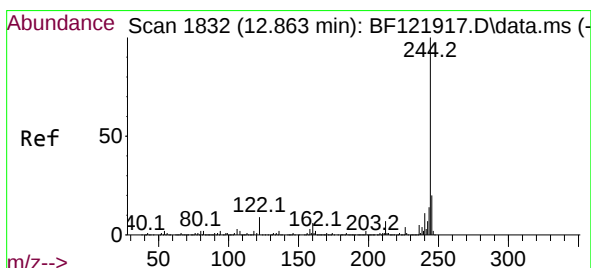
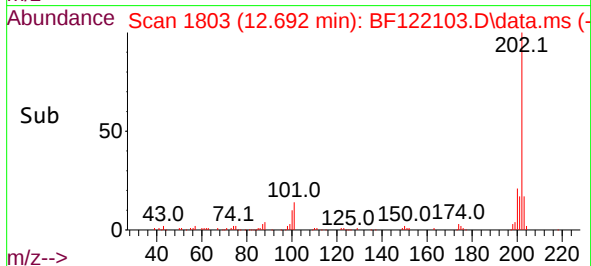
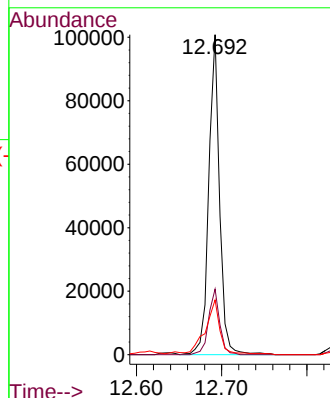
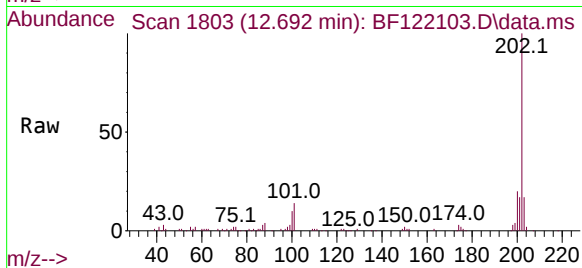
203 17.1 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

35B



#79

Terphenyl-d14

Concen: 54.90 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF122103.D

Acq: 23 Oct 2020 17:19

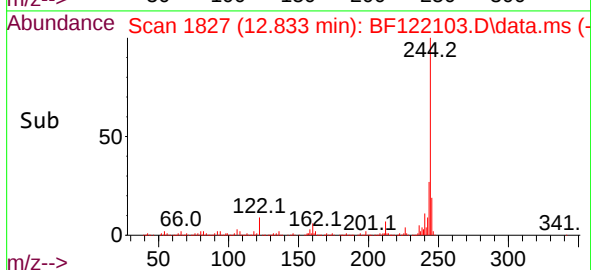
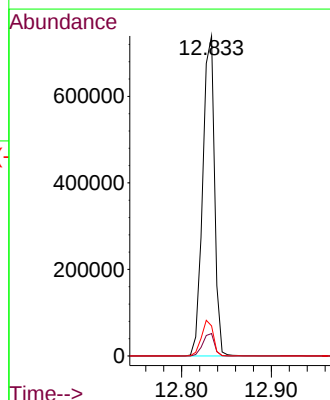
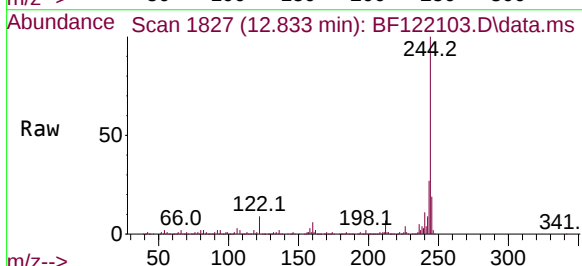
Tgt Ion:244 Resp: 676844

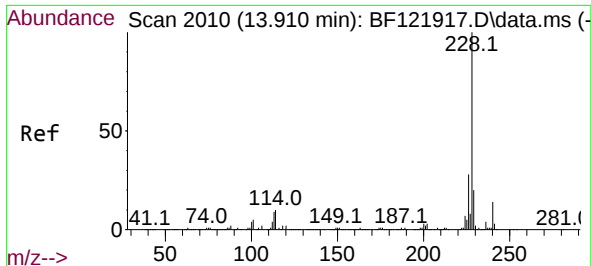
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.4 8.1 12.1

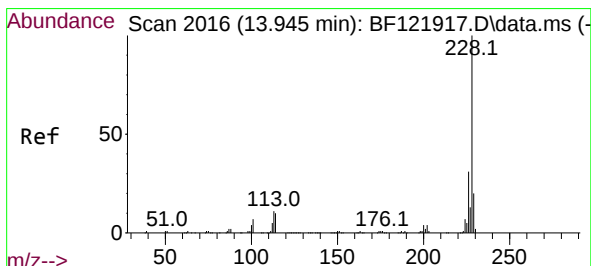
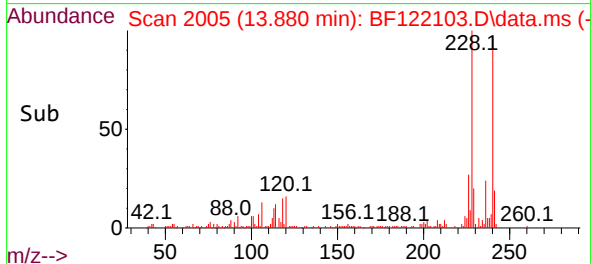
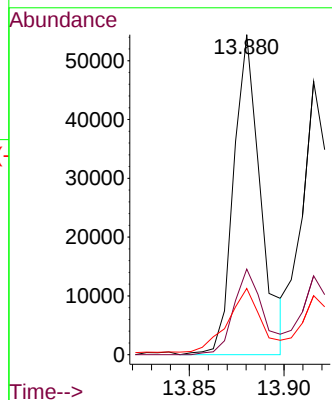
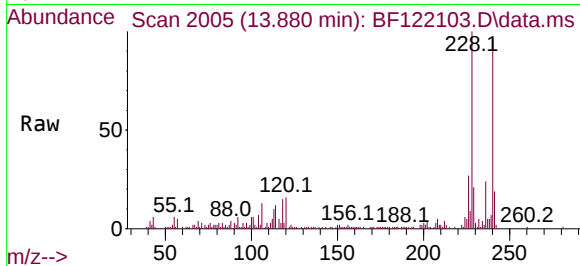




#81
Benzo(a)anthracene
Concen: 3.50 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

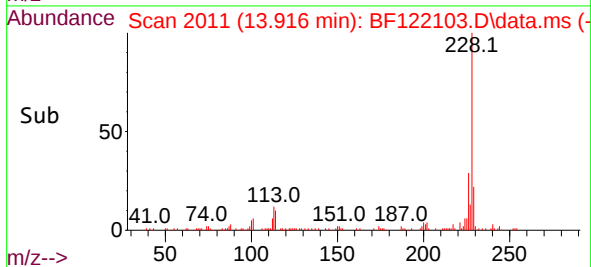
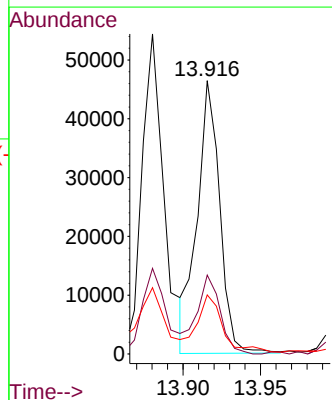
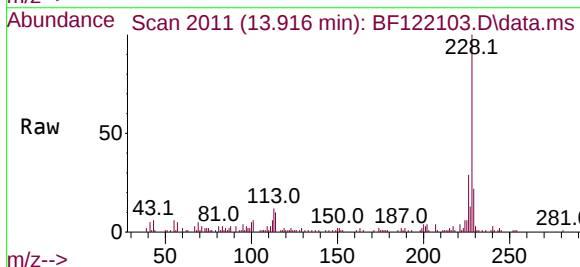
Instrument :
BNA_F
ClientSampled :
35B

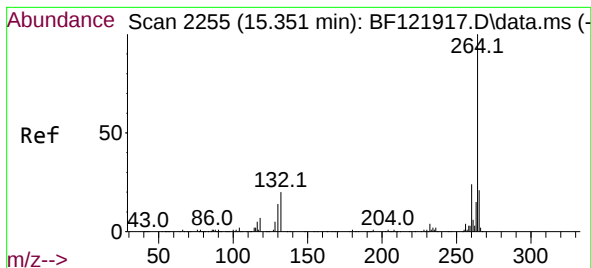
Tgt Ion:228 Resp: 53909
Ion Ratio Lower Upper
228 100
226 26.8 22.3 33.5
229 20.7 16.2 24.4



#83
Chrysene
Concen: 3.10 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:228 Resp: 46818
Ion Ratio Lower Upper
228 100
226 28.9 24.6 37.0
229 21.6 15.9 23.9



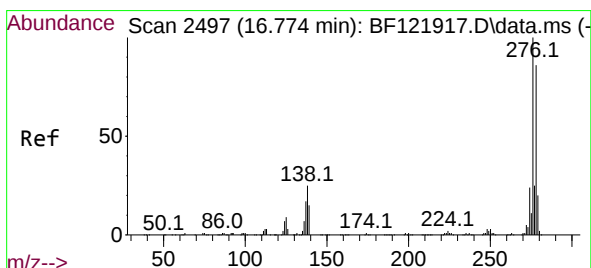
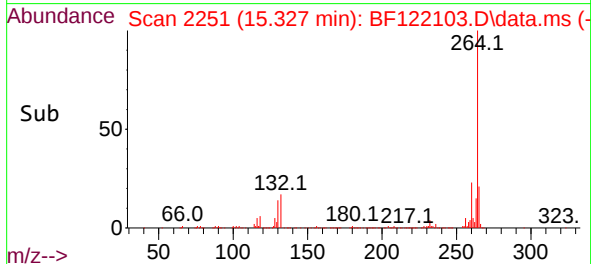
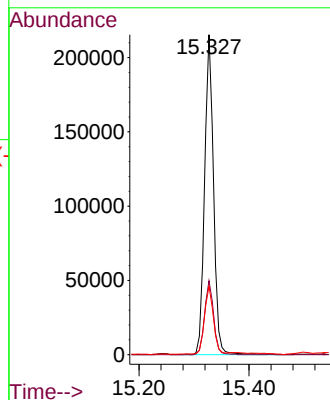
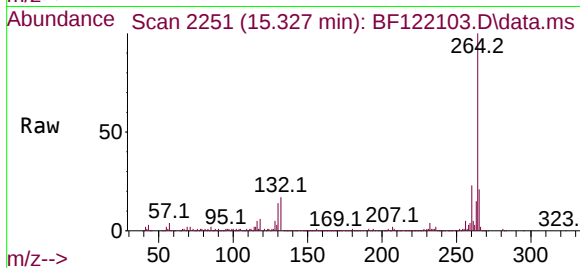


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Instrument :
BNA_F
ClientSampleId :
35B

Tgt Ion:264 Resp: 243413

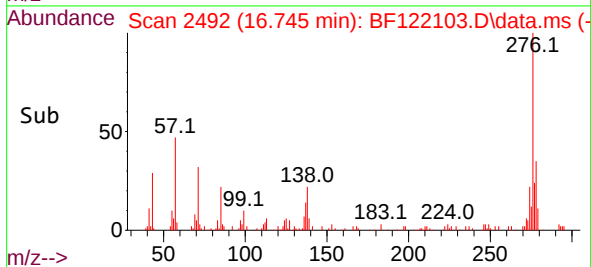
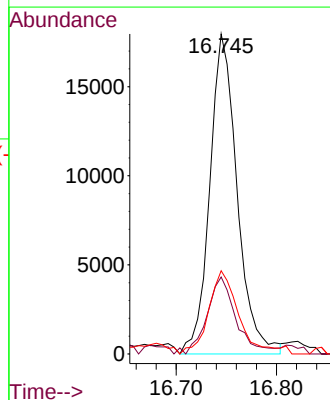
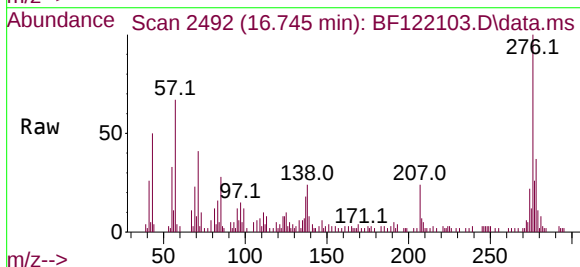
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.3	17.3	25.9

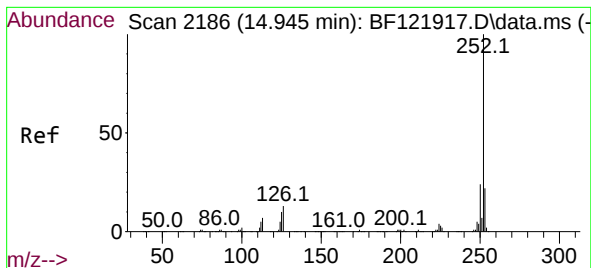


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.16 ng
RT: 16.745 min Scan# 2492
Delta R.T. 0.018 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:276 Resp: 34171

Ion	Ratio	Lower	Upper
276	100		
138	25.5	19.9	29.9
277	28.6	20.4	30.6

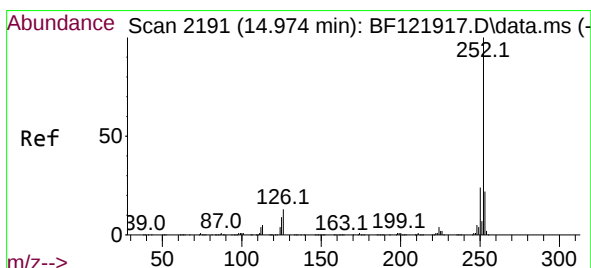
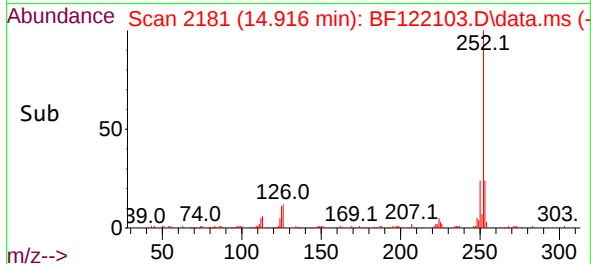
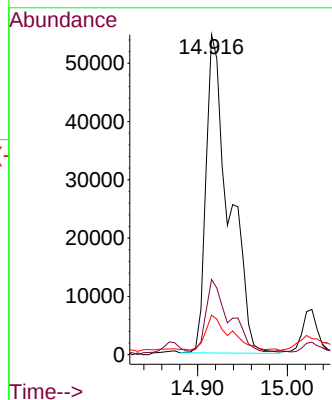
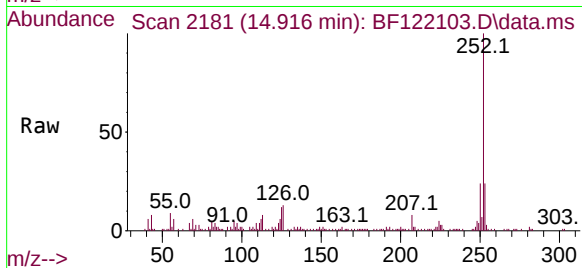




#88
Benzo(b)fluoranthene
Concen: 5.90 ng
RT: 14.916 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

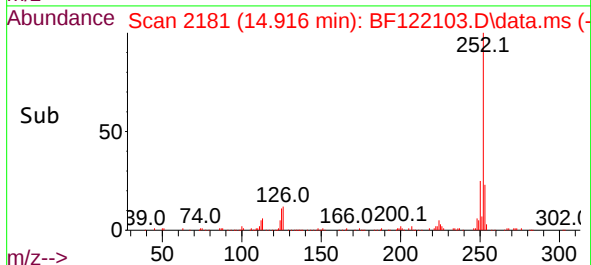
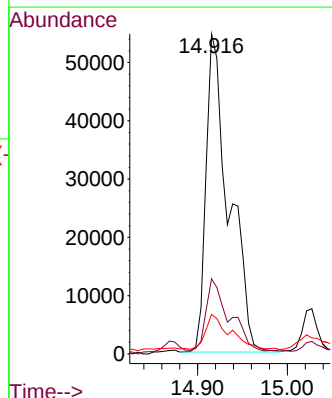
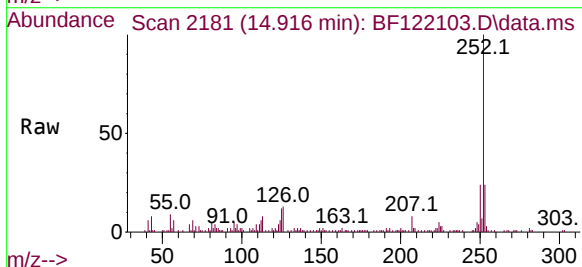
Instrument :
BNA_F
ClientSampleId :
35B

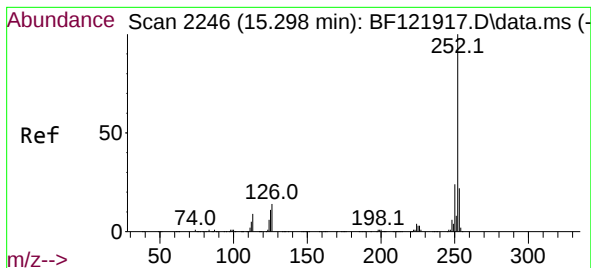
Tgt Ion:252 Resp: 97119
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 12.3 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 6.19 ng
RT: 14.916 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:252 Resp: 96704
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.3 7.7 11.5#

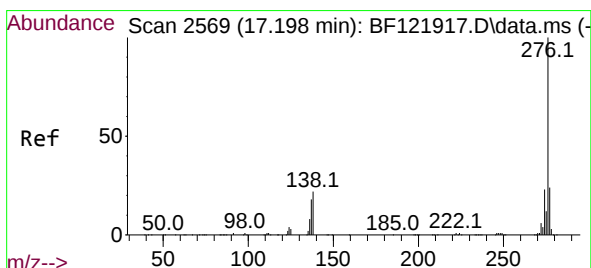
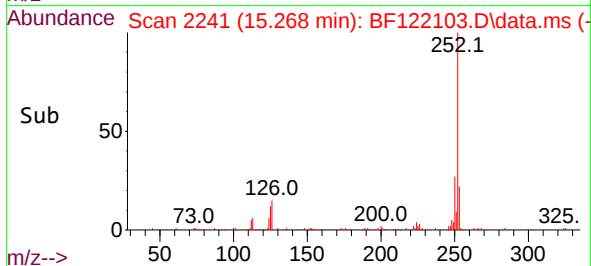
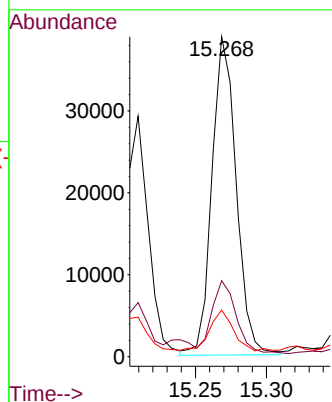
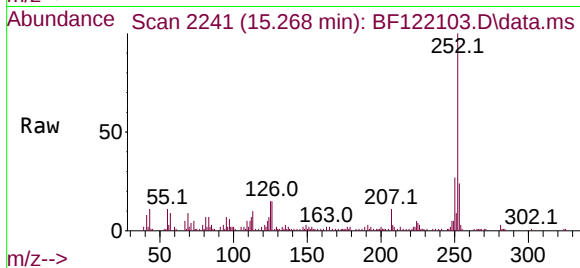




#90
Benzo(a)pyrene
Concen: 3.25 ng
RT: 15.268 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Instrument :
BNA_F
ClientSampleId :
35B

Tgt Ion:252 Resp: 46220
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 14.6 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.40 ng
RT: 17.174 min Scan# 2565
Delta R.T. 0.035 min
Lab File: BF122103.D
Acq: 23 Oct 2020 17:19

Tgt Ion:276 Resp: 31196
Ion Ratio Lower Upper
276 100
277 22.6 19.4 29.2
138 23.3 17.8 26.6

