

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
 Data File : BF121977.D
 Acq On : 15 Oct 2020 3:55
 Operator : JU/CG
 Sample : L4389-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-1

Quant Time: Oct 15 04:58:15 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 12 16:22:33 2020
 Response via : Initial Calibration

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

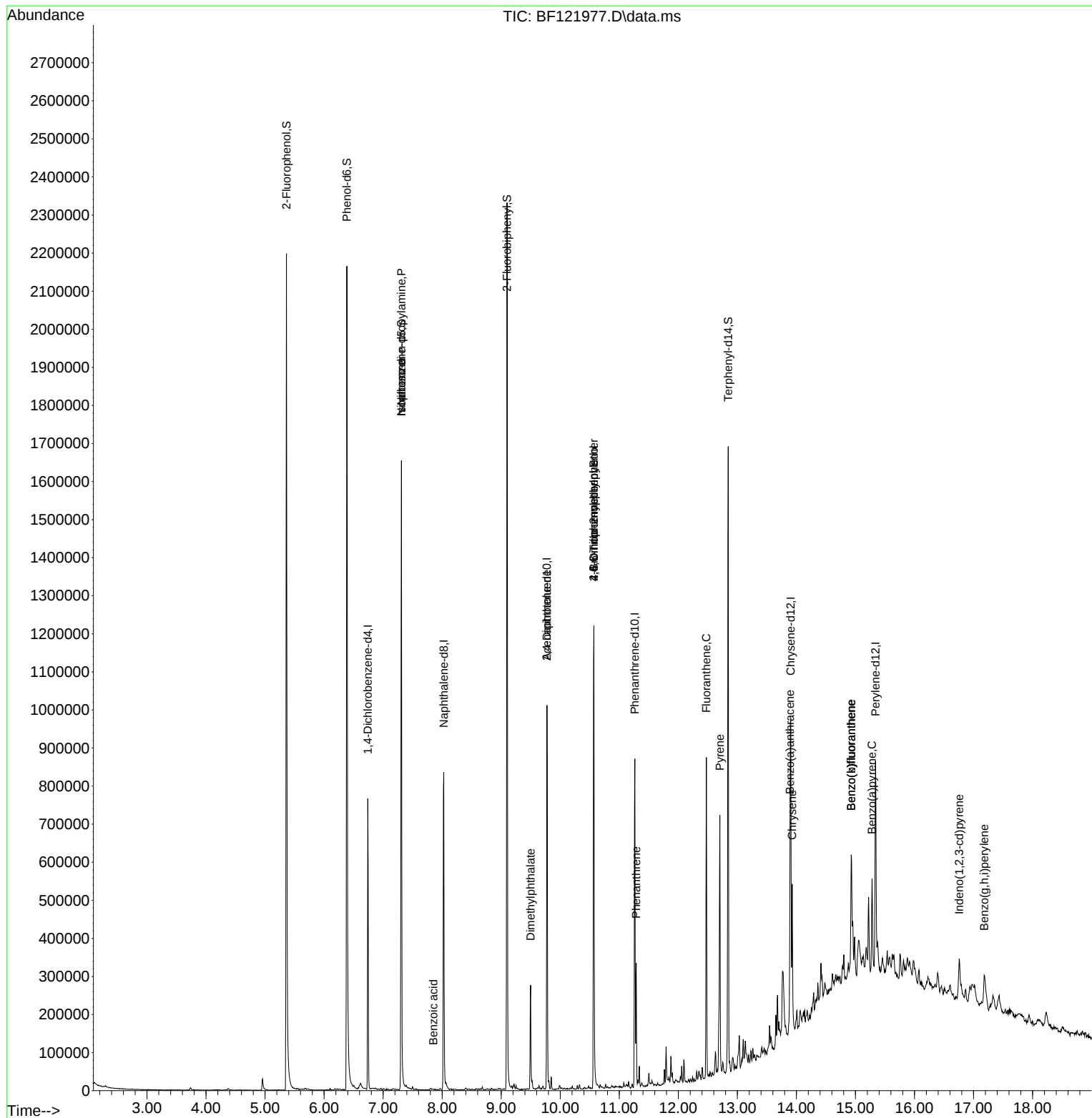
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	105043	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	406417	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	193180	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	314549	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	248442	20.00	ng	-0.01
86) Perylene-d12	15.339	264	199199	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	621710	87.35	ng	0.00
7) Phenol-d6	6.386	99	784882	85.67	ng	-0.01
23) Nitrobenzene-d5	7.310	82	533902	67.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	160523	67.17	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	720933	54.91	ng	-0.01
79) Terphenyl-d14	12.845	244	493752	37.87	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	1288	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	71621	13.73	ng	# 77
25) Isophorone	7.310	82	530884	35.43	ng	# 67
32) Benzoic acid	7.851	122	146	7.72	ng	# 30
50) Dimethylphthalate	9.498	163	115759	8.19	ng	98
57) 2,4-Dinitrotoluene	9.775	165	24609	6.45	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.569	198	256	4.54	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	9488	2.61	ng	# 1
71) Phenanthrene	11.286	178	116525	6.76	ng	98
75) Fluoranthene	12.474	202	309938	16.76	ng	99
78) Pyrene	12.704	202	258145	13.63	ng	99
81) Benzo(a)anthracene	13.892	228	124766	7.66	ng	99
83) Chrysene	13.927	228	135440	8.47	ng	98
87) Indeno(1,2,3-cd)pyrene	16.756	276	63363	4.90	ng	96
88) Benzo(b)fluoranthene	14.927	252	220188	16.35	ng	97
89) Benzo(k)fluoranthene	14.927	252	220188	17.21	ng	# 96
90) Benzo(a)pyrene	15.280	252	97804	8.41	ng	# 95
92) Benzo(g,h,i)perylene	17.180	276	61774	5.80	ng	98

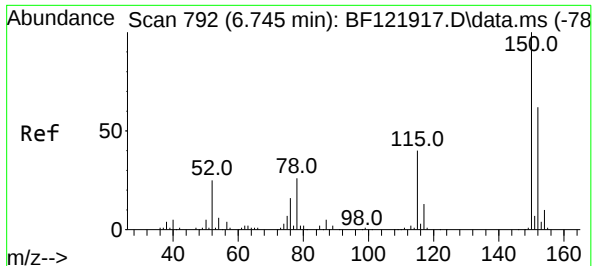
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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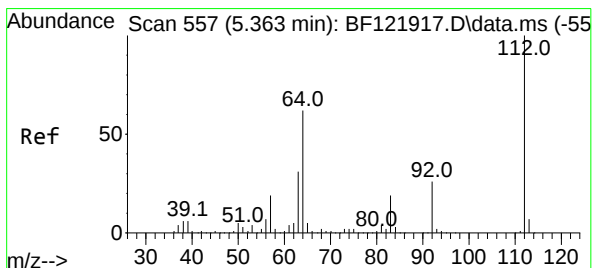
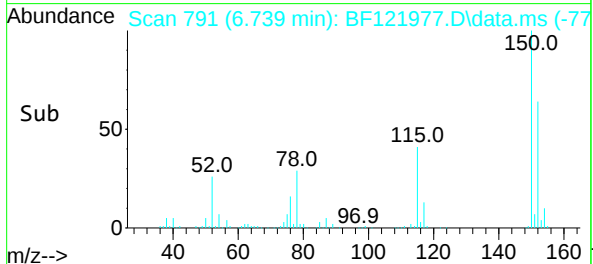
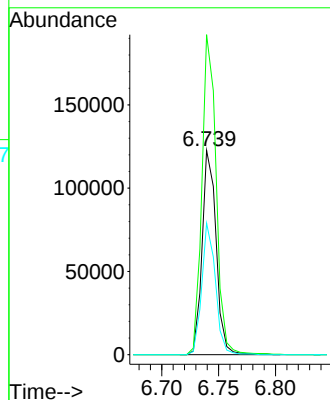
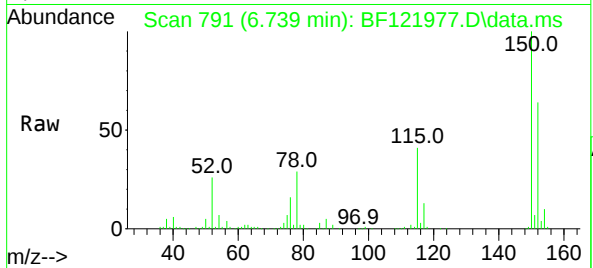




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

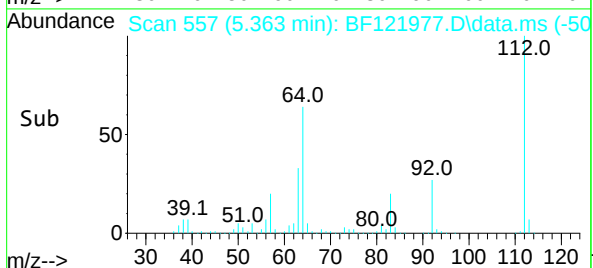
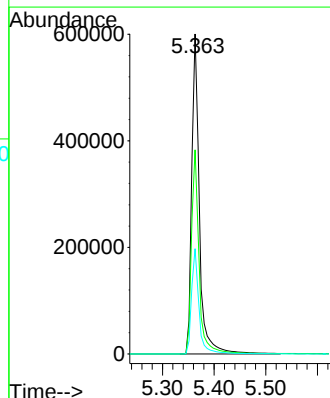
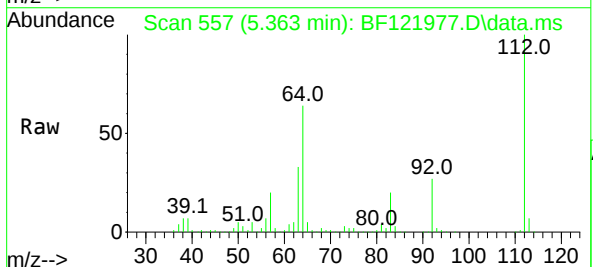
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion:152 Resp: 105043
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 87.35 ng
RT: 5.363 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:112 Resp: 621710
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 32.9 25.8 38.6

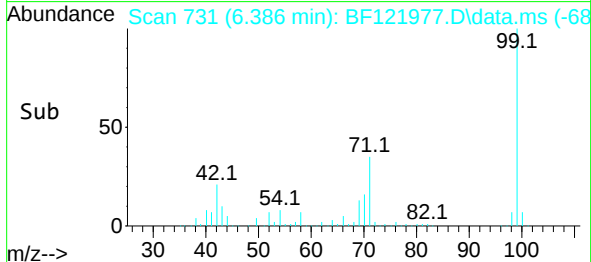
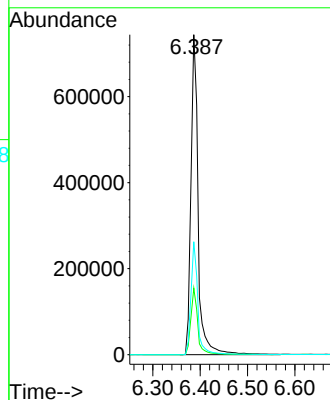
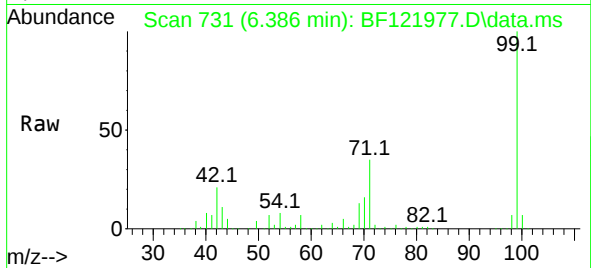




#7
Phenol-d6
Concen: 85.67 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

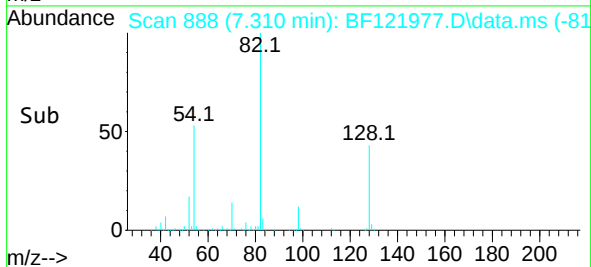
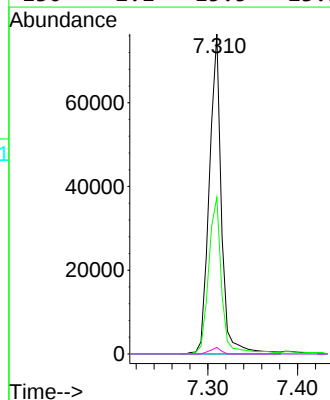
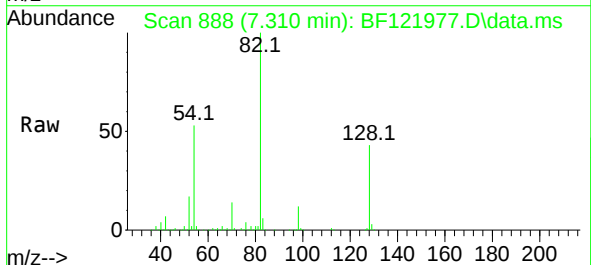
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion: 99 Resp: 784882
Ion Ratio Lower Upper
99 100
42 20.8 15.9 23.9
71 35.3 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.73 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion: 70 Resp: 71621
Ion Ratio Lower Upper
70 100
42 49.0 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



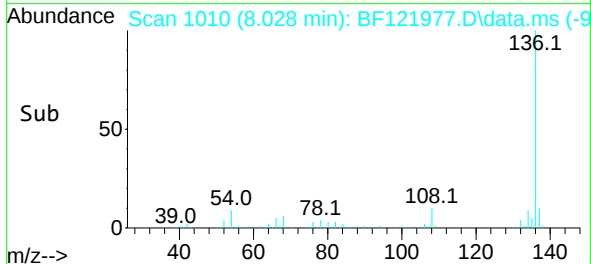
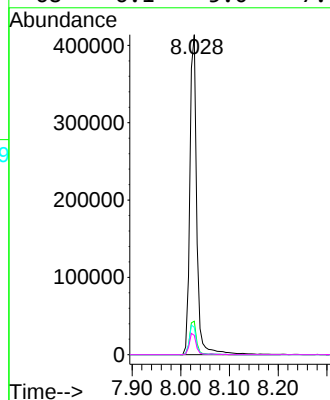
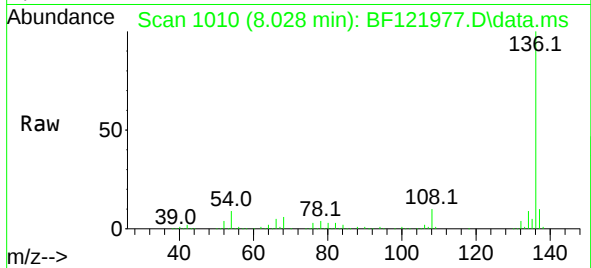


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion:136 Resp: 406417

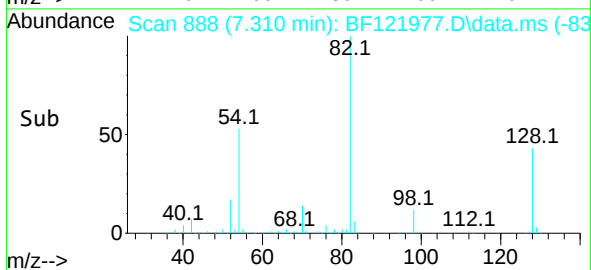
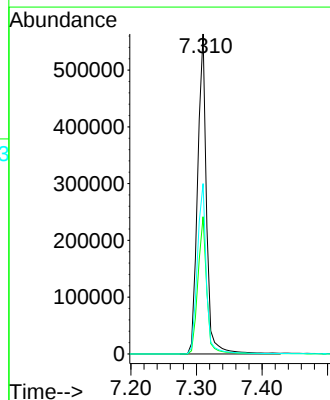
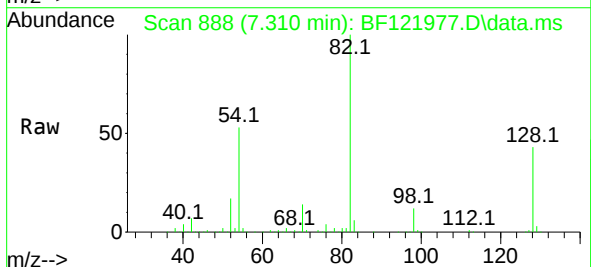
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.6	7.1	10.7
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.37 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion: 82 Resp: 533902

Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.0	52.4
54	53.2	43.9	65.9

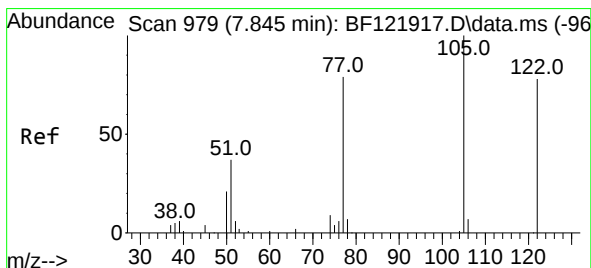
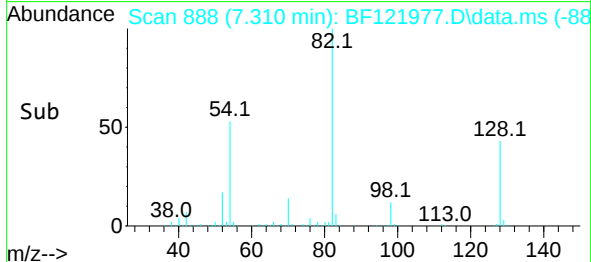
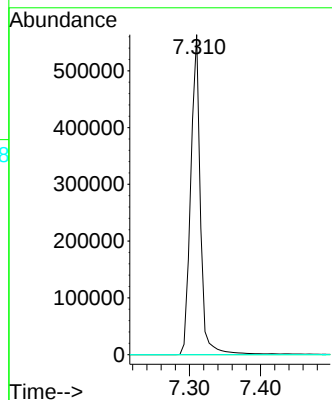
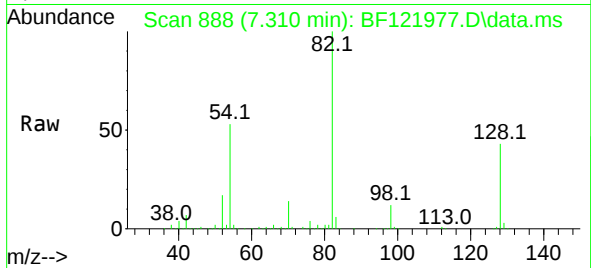




#25
Isophorone
Concen: 35.43 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

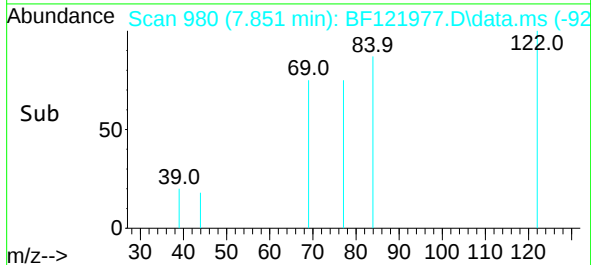
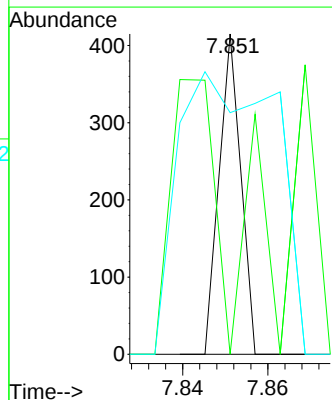
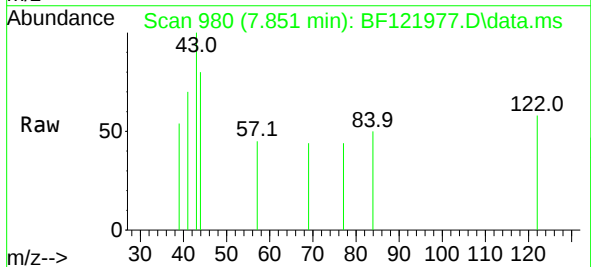
Instrument :
BNA_F
ClientSampleId :
BG-1

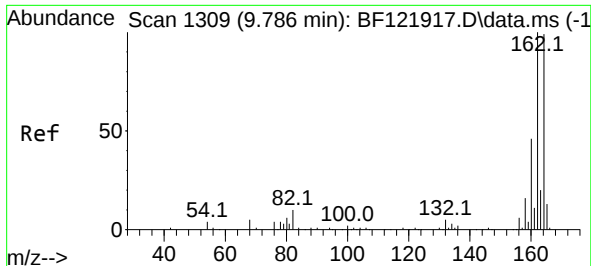
Tgt Ion: 82 Resp: 530884
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.72 ng
RT: 7.851 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion: 122 Resp: 146
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 75.4 73.9 113.9





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.011 min

Lab File: BF121977.D

Acq: 15 Oct 2020 3:55

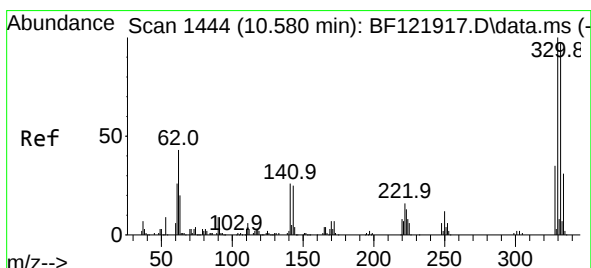
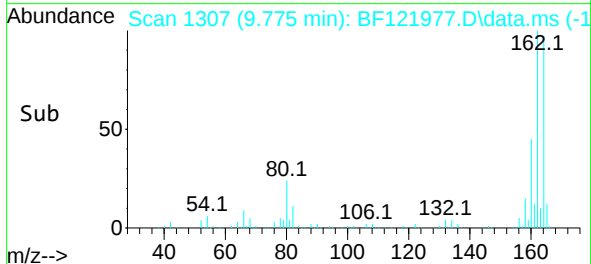
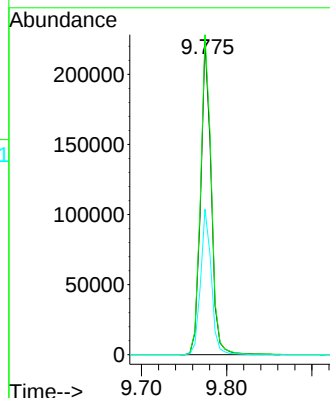
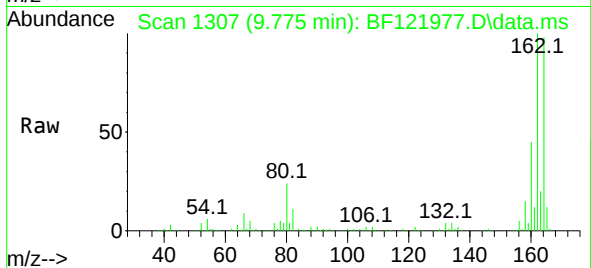
Tgt Ion:164 Resp: 193180

Ion Ratio Lower Upper

164 100

162 102.0 83.2 124.8

160 46.4 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 67.17 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF121977.D

Acq: 15 Oct 2020 3:55

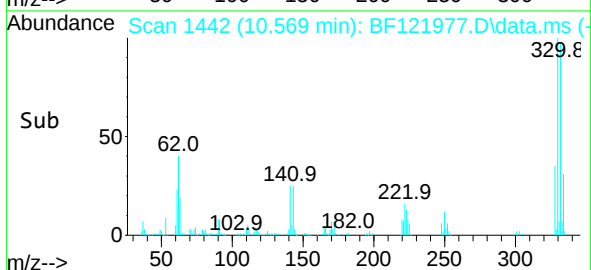
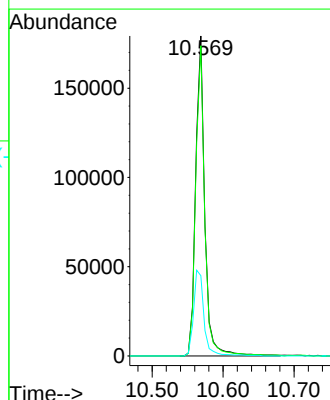
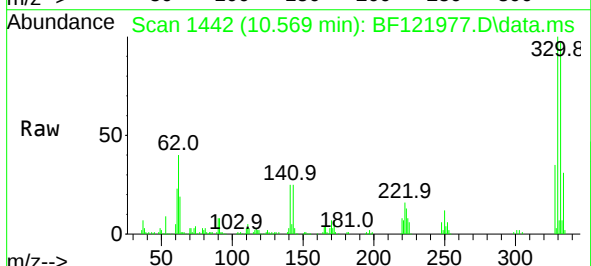
Tgt Ion:330 Resp: 160523

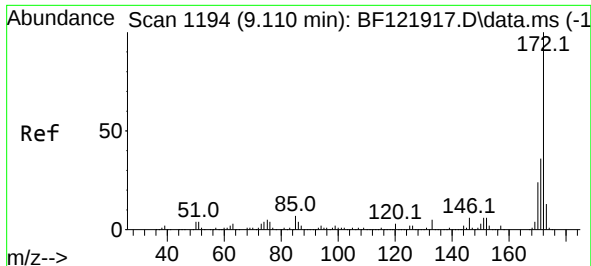
Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

141 30.8 22.3 33.5

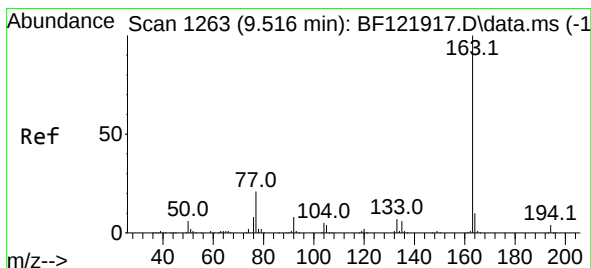
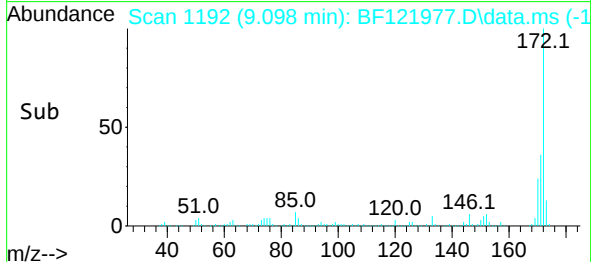
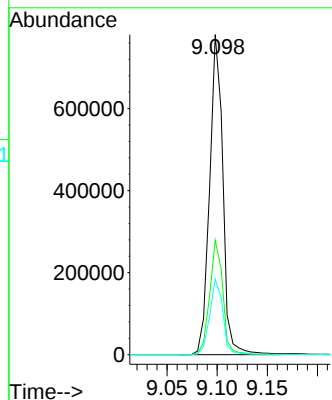
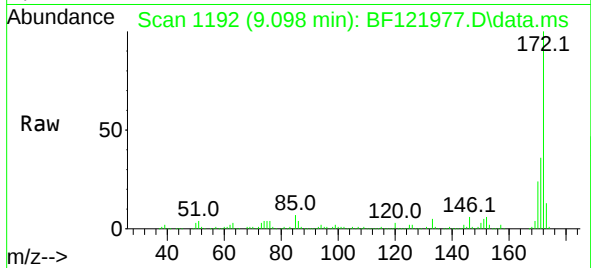




#45
2-Fluorobiphenyl
Concen: 54.91 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

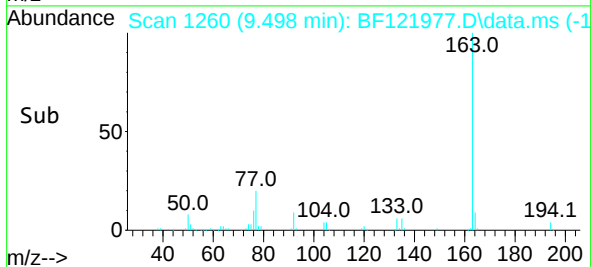
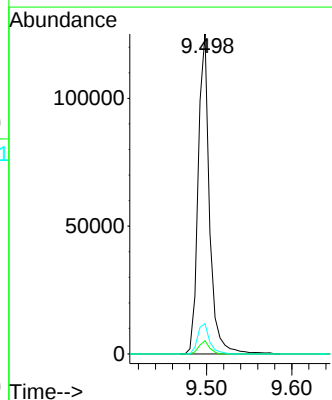
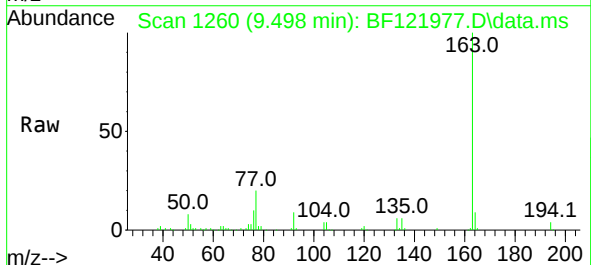
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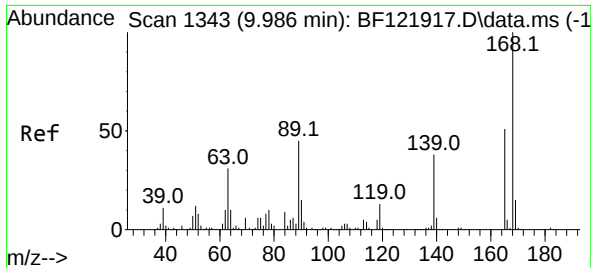
Tgt Ion:172 Resp: 720933
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 23.5 19.8 29.6



#50
Dimethylphthalate
Concen: 8.19 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:163 Resp: 115759
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.4 8.2 12.4

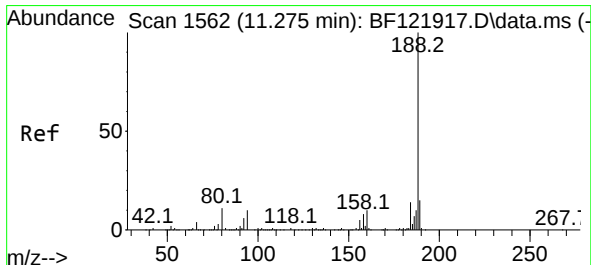
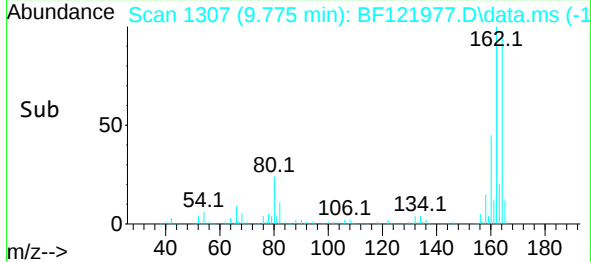
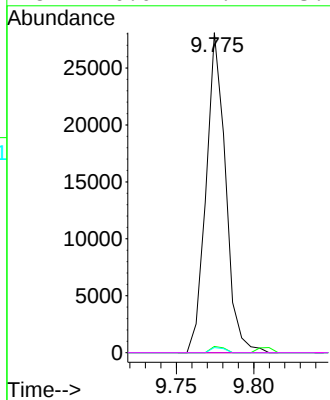
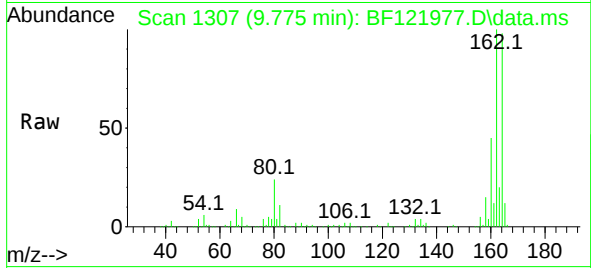




#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

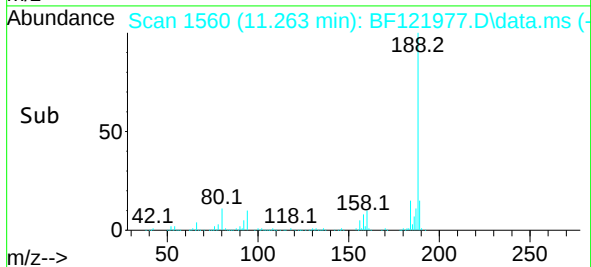
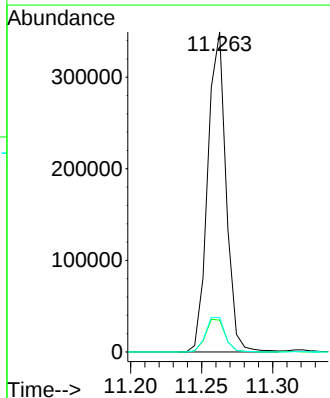
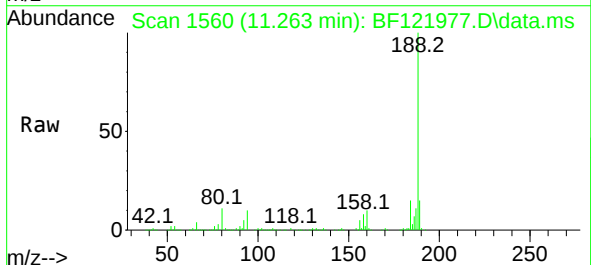
Instrument :
BNA_F
ClientSampleId :
BG-1

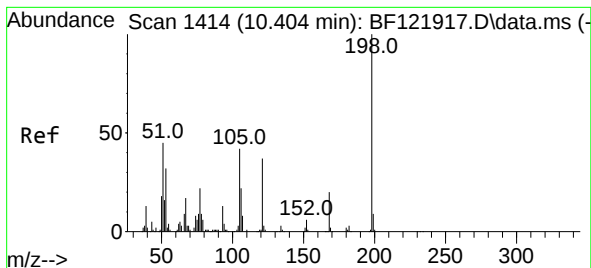
Tgt Ion:	165	Resp:	24609
Ion Ratio	Lower	Upper	
165	100		
63	1.9	41.3	61.9#
89	1.6	61.8	92.8#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:	188	Resp:	314549
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.3	12.5
80	10.8	9.1	13.7

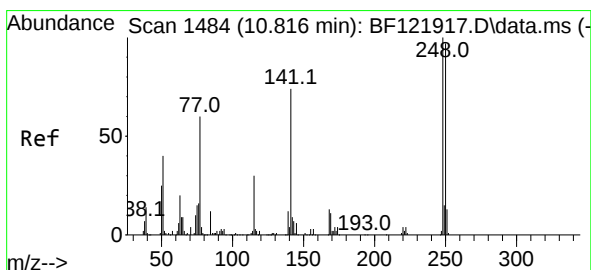
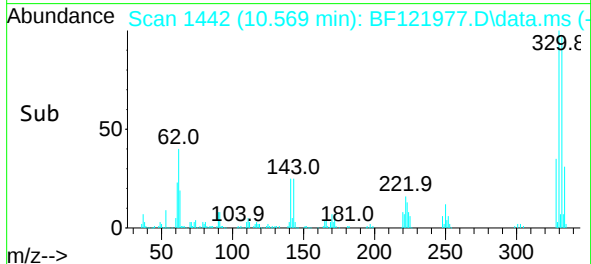
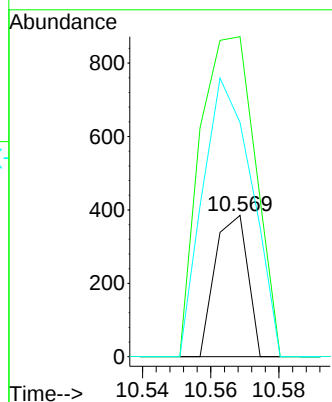
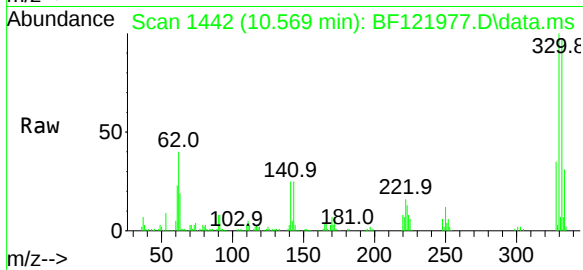




#65
4,6-Dinitro-2-methylphenol
Concen: 4.54 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.165 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

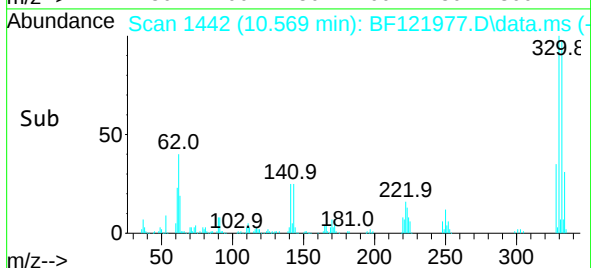
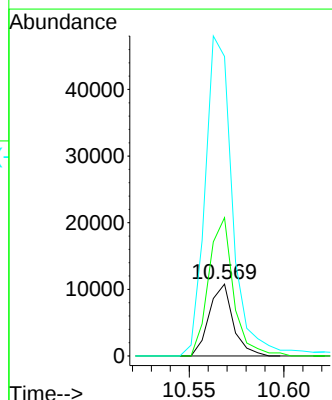
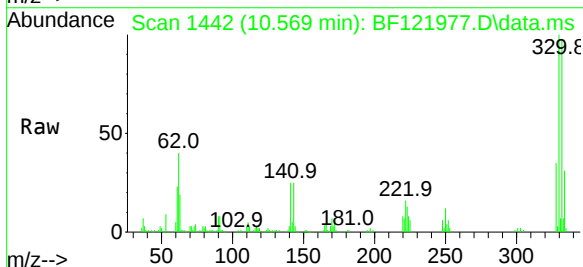
Instrument :
BNA_F
ClientSampled :
BG-1

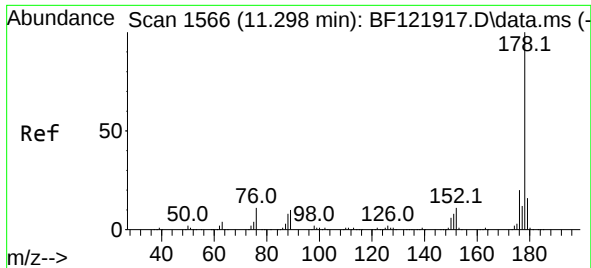
Tgt Ion:198 Resp: 256
Ion Ratio Lower Upper
198 100
51 226.5 29.6 69.6#
105 165.7 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:248 Resp: 9488
Ion Ratio Lower Upper
248 100
250 192.2 77.0 115.6#
141 416.6 53.7 80.5#

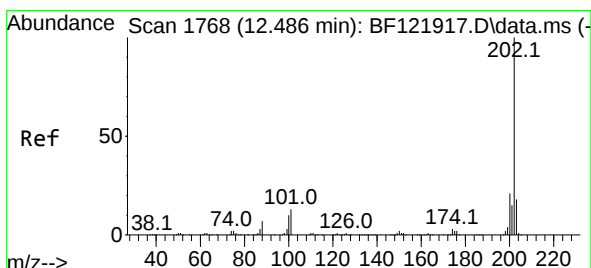
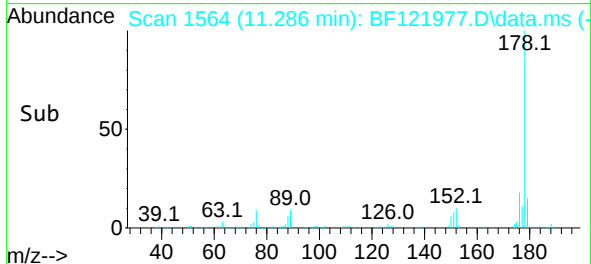
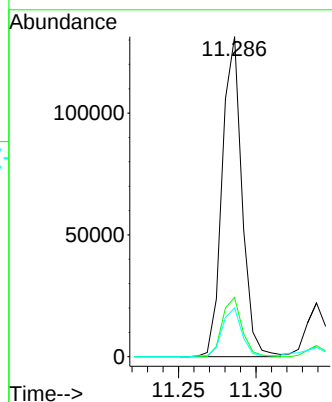
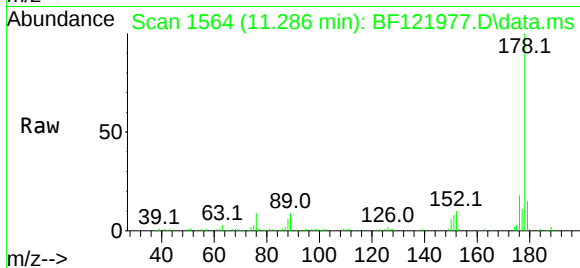




#71
Phenanthrene
Concen: 6.76 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

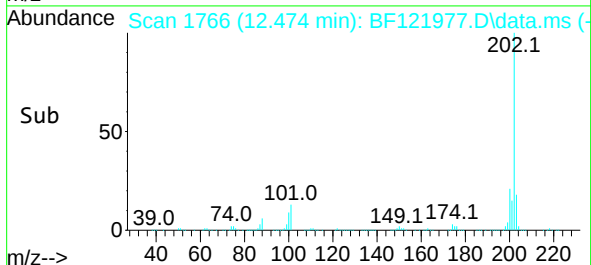
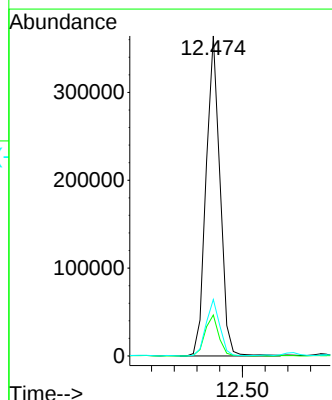
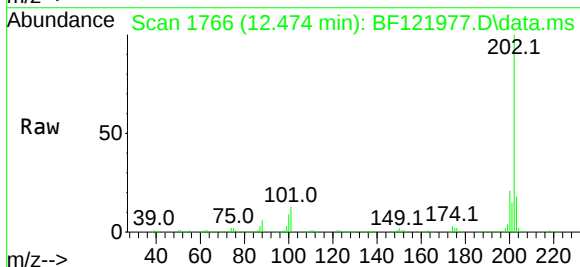
Instrument :
BNA_F
ClientSampled :
BG-1

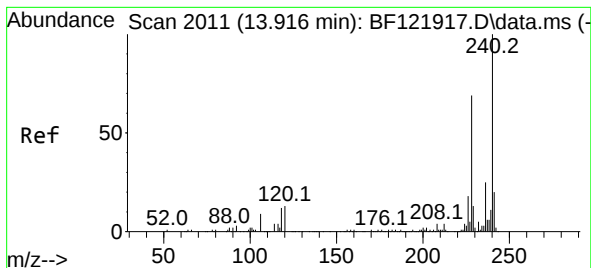
Tgt Ion:178 Resp: 116525
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.3 12.2 18.4



#75
Fluoranthene
Concen: 16.76 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:202 Resp: 309938
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.4
203 17.6 0.0 37.9

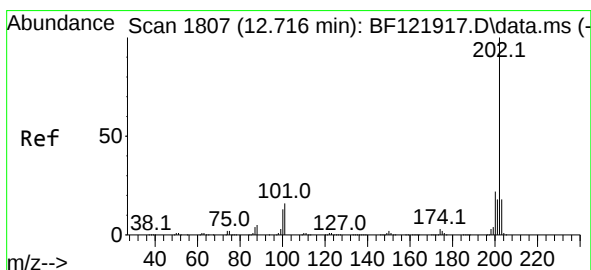
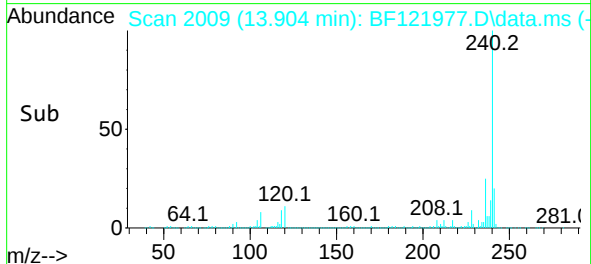
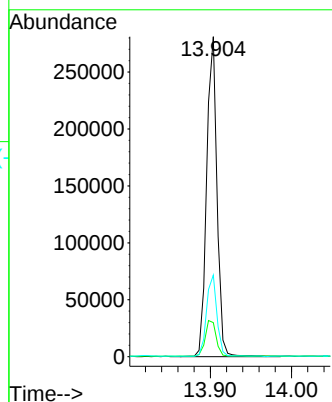
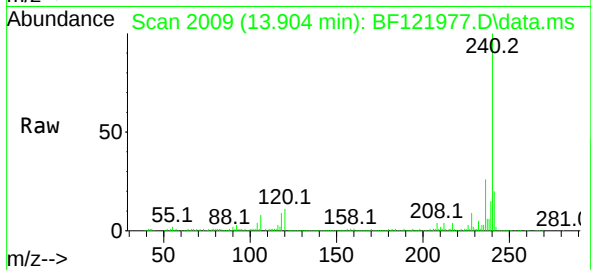




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

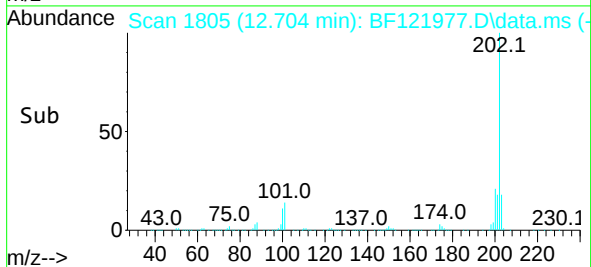
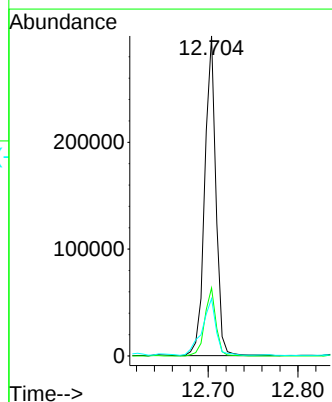
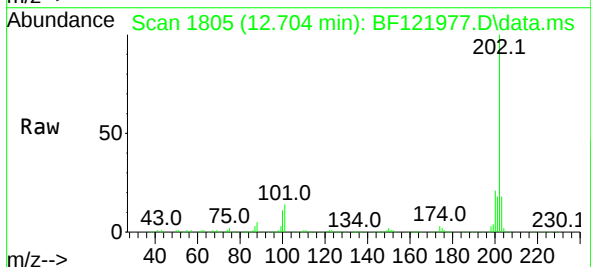
Instrument :
BNA_F
ClientSampleId :
BG-1

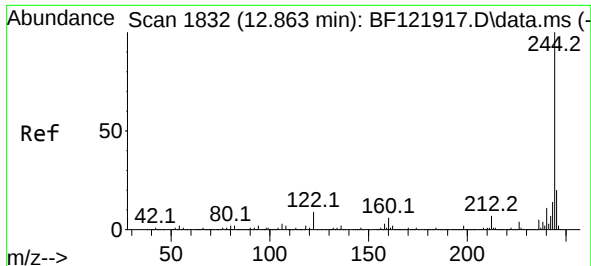
Tgt Ion:240 Resp: 248442
Ion Ratio Lower Upper
240 100
120 10.7 9.2 13.8
236 25.5 20.9 31.3



#78
Pyrene
Concen: 13.63 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

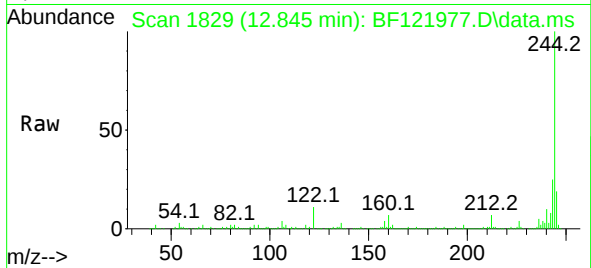
Tgt Ion:202 Resp: 258145
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.9 14.6 21.8



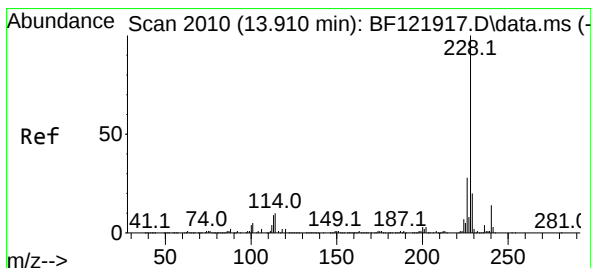
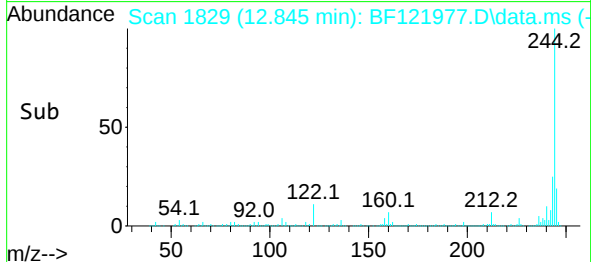
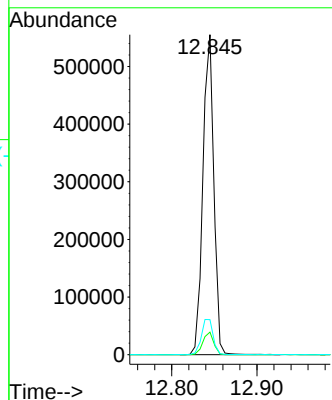


#79
 Terphenyl-d14
 Concen: 37.87 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.018 min
 Lab File: BF121977.D
 Acq: 15 Oct 2020 3:55

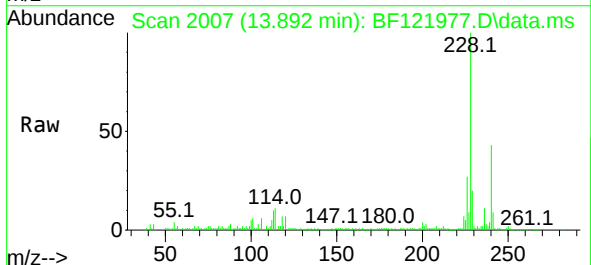
Instrument :
 BNA_F
 ClientSampleId :
 BG-1



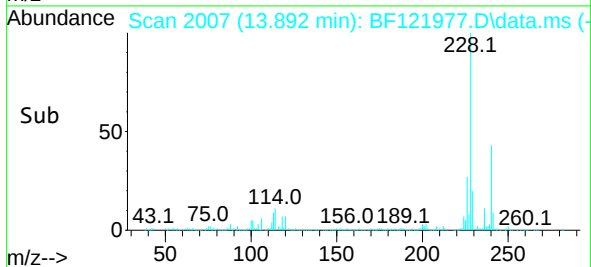
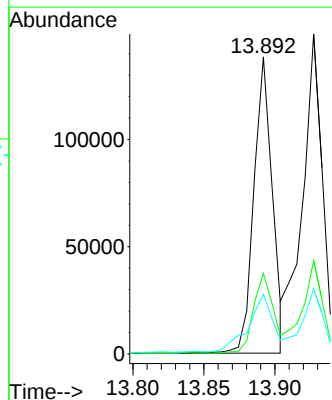
Tgt Ion:244 Resp: 493752
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 11.0 8.1 12.1

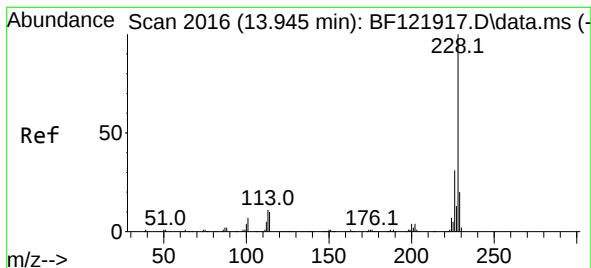


#81
 Benzo(a)anthracene
 Concen: 7.66 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. -0.018 min
 Lab File: BF121977.D
 Acq: 15 Oct 2020 3:55



Tgt Ion:228 Resp: 124766
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.3 33.5
 229 20.1 16.2 24.4





#83

Chrysene

Concen: 8.47 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.018 min

Lab File: BF121977.D

Acq: 15 Oct 2020 3:55

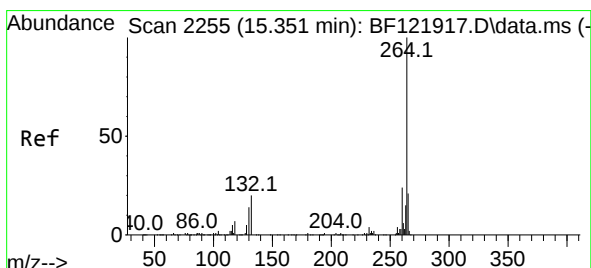
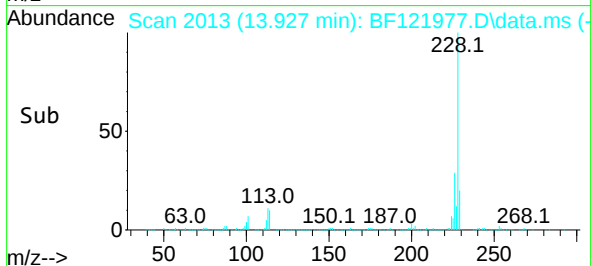
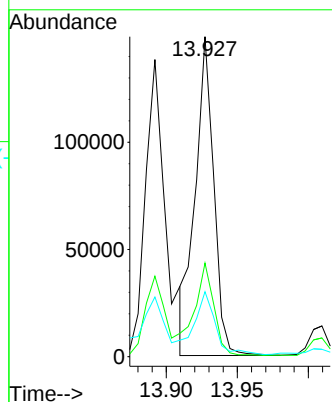
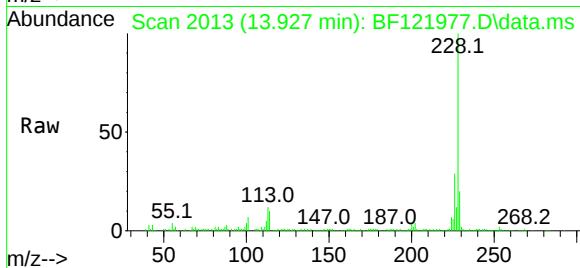
Tgt Ion:228 Resp: 135440

Ion Ratio Lower Upper

228 100

226 29.2 24.6 37.0

229 20.3 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.339 min Scan# 2253

Delta R.T. -0.012 min

Lab File: BF121977.D

Acq: 15 Oct 2020 3:55

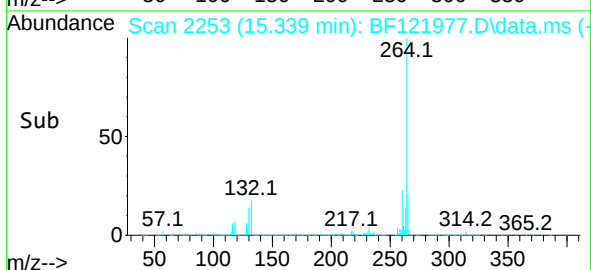
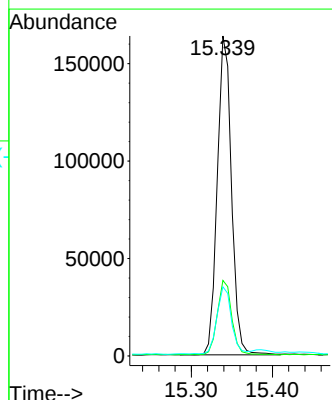
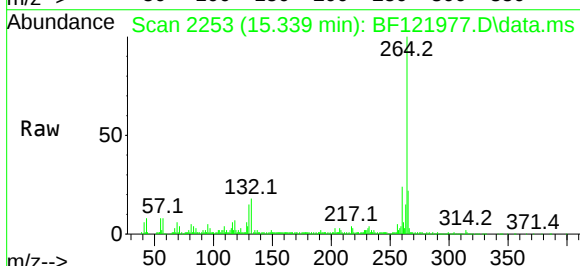
Tgt Ion:264 Resp: 199199

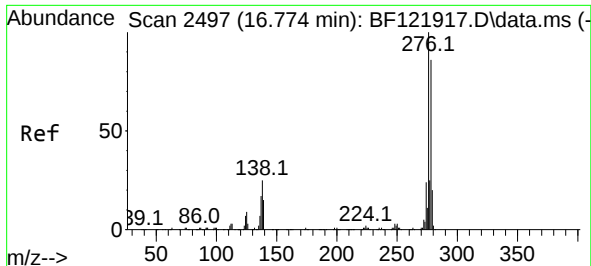
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.6 17.3 25.9

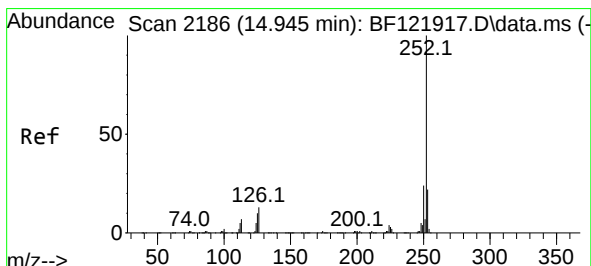
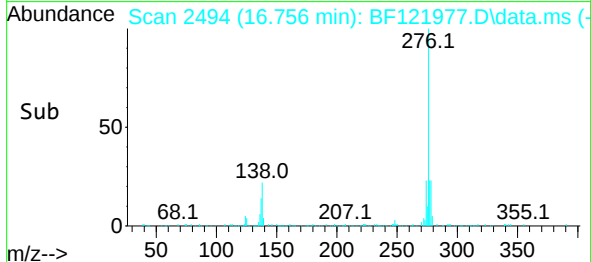
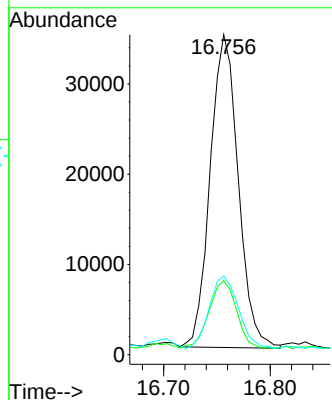
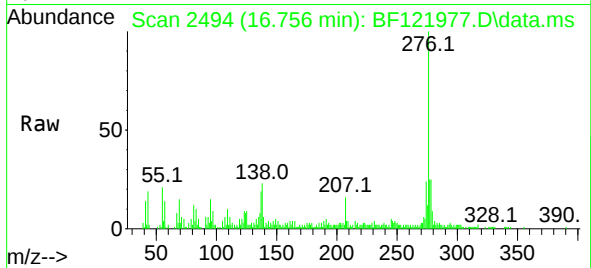




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ng
RT: 16.756 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

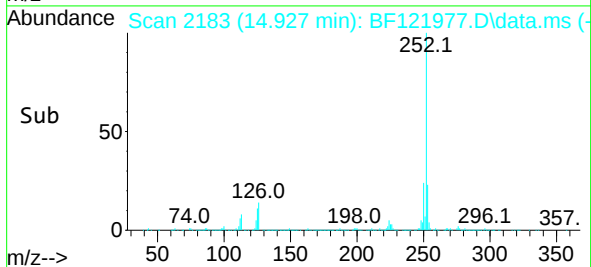
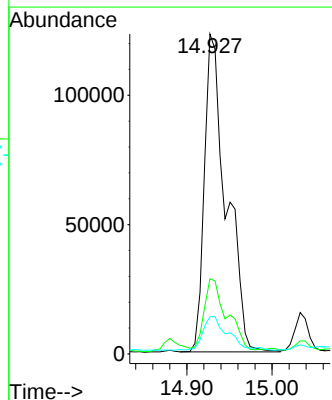
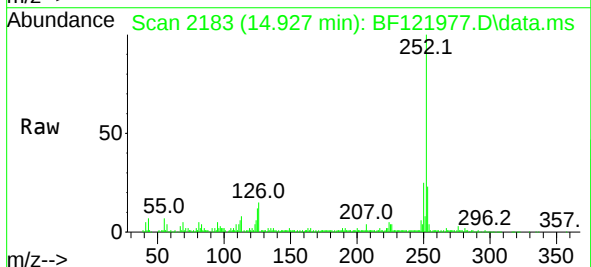
Instrument :
BNA_F
ClientSampleId :
BG-1

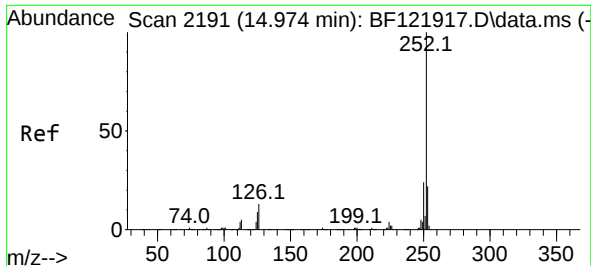
Tgt Ion:276 Resp: 63363
Ion Ratio Lower Upper
276 100
138 22.0 19.9 29.9
277 24.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 16.35 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.018 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:252 Resp: 220188
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.7 8.0 12.0

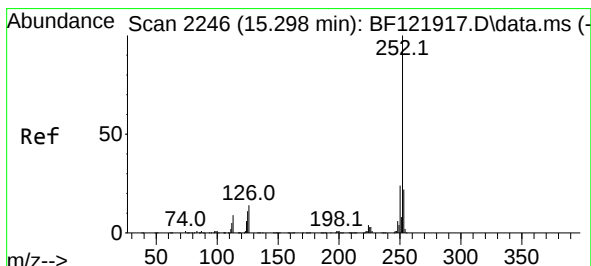
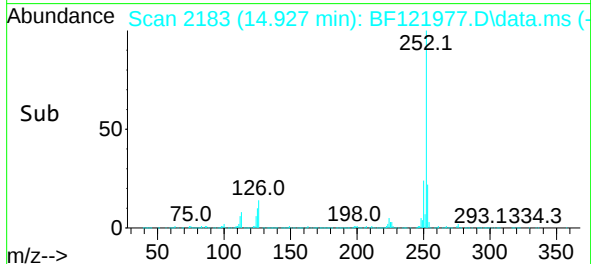
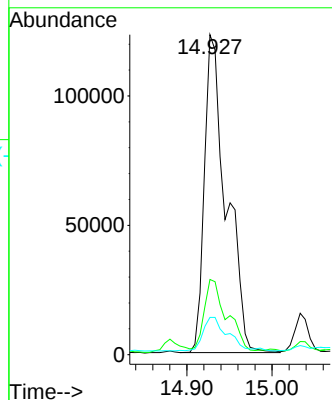
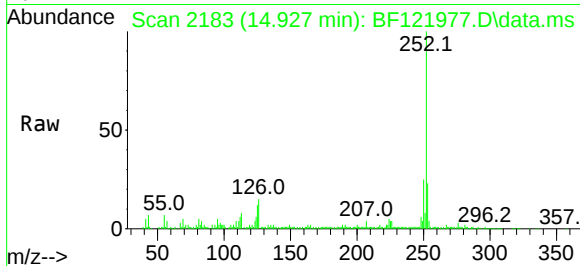




#89
Benzo(k)fluoranthene
Concen: 17.21 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.047 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

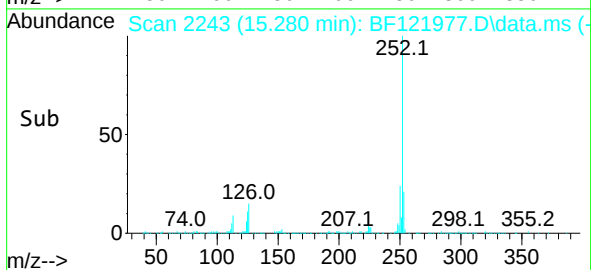
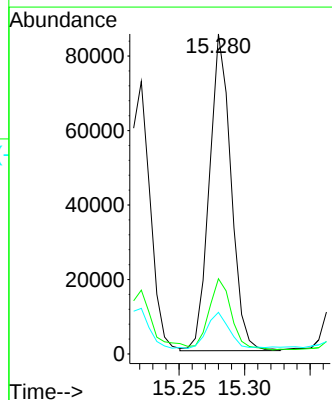
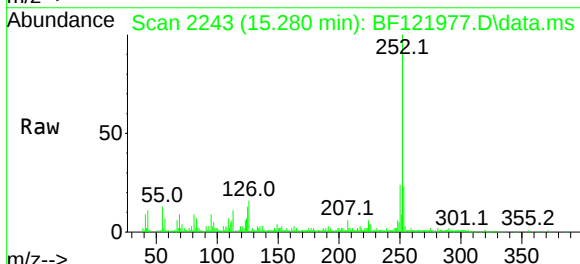
Instrument :
BNA_F
ClientSampleId :
BG-1

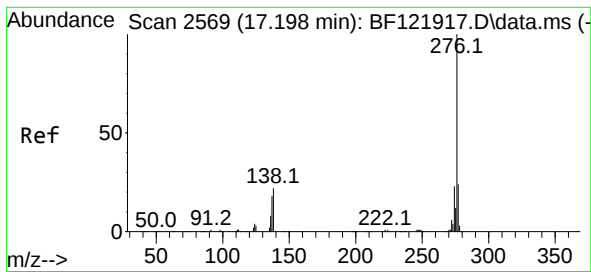
Tgt Ion:252 Resp: 220188
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 11.7 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 8.41 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.018 min
Lab File: BF121977.D
Acq: 15 Oct 2020 3:55

Tgt Ion:252 Resp: 97804
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 13.0 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.80 ng

RT: 17.180 min Scan# 2566

Delta R.T. -0.018 min

Lab File: BF121977.D

Acq: 15 Oct 2020 3:55

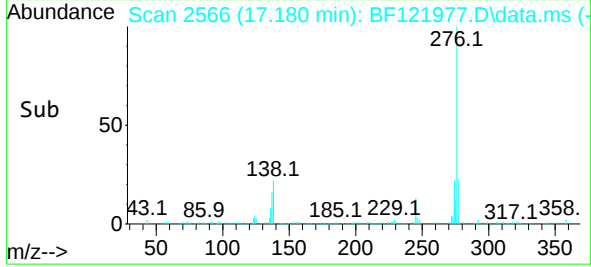
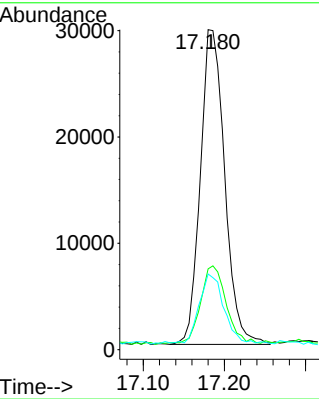
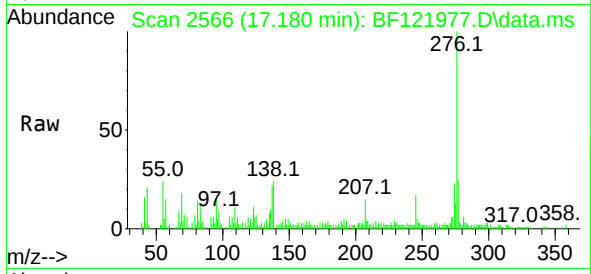
Tgt Ion: 276 Resp: 61774

Ion Ratio Lower Upper

276 100

277 25.3 19.4 29.2

138 23.7 17.8 26.6



Instrument :

BNA_F

ClientSampleId :

BG-1