

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
 Data File : BF121982.D
 Acq On : 15 Oct 2020 6:30
 Operator : JU/CG
 Sample : L4389-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-2

Quant Time: Oct 15 07:33:53 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)

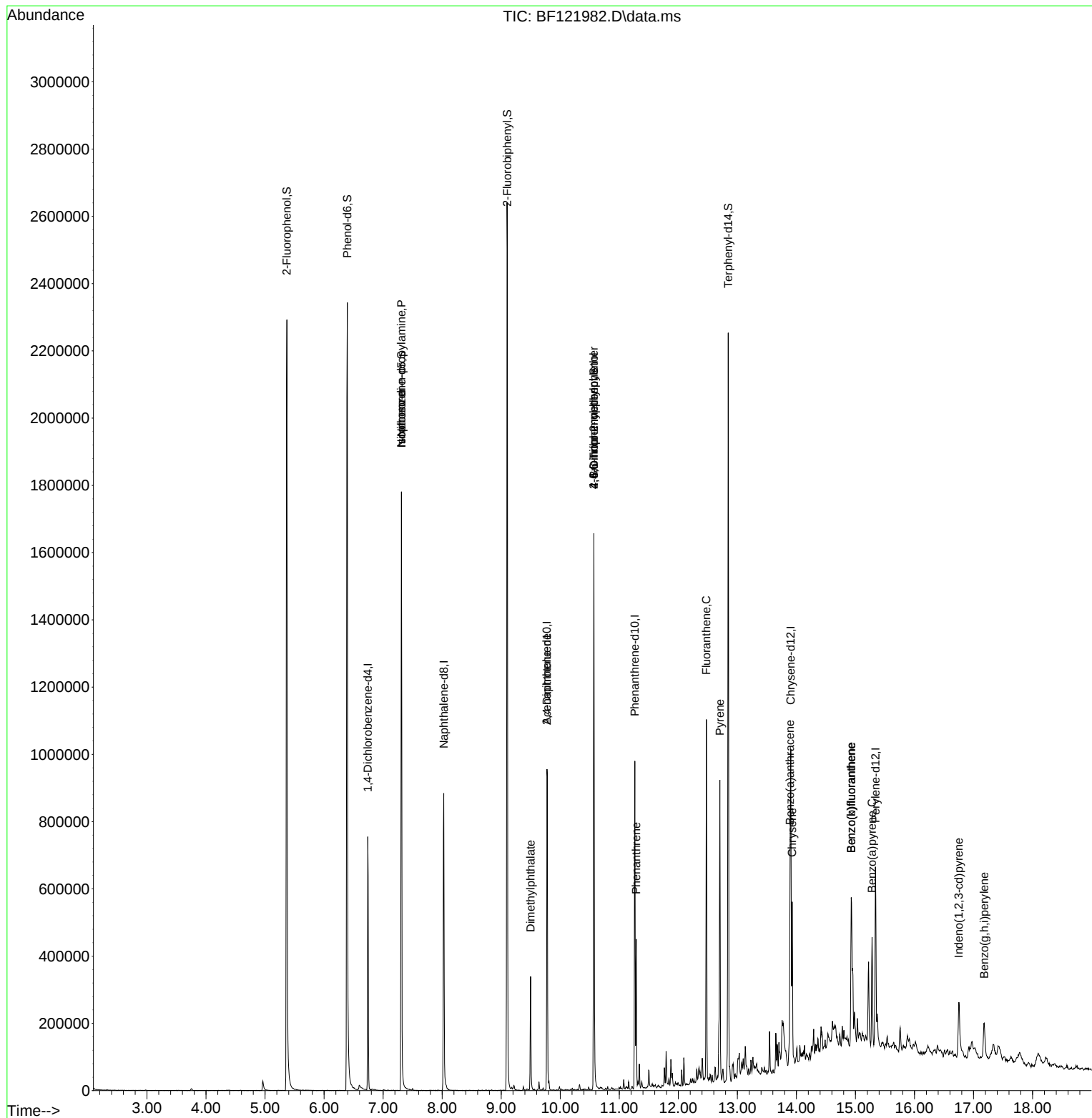
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	109505	20.00	ng	0.00
21) Naphthalene-d8	8.027	136	420412	20.00	ng	0.00
39) Acenaphthene-d10	9.774	164	207792	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	331269	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	242586	20.00	ng	-0.01
86) Perylene-d12	15.339	264	223192	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	677637	91.33	ng	0.00
7) Phenol-d6	6.392	99	868044	90.89	ng	0.00
23) Nitrobenzene-d5	7.310	82	595425	72.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	207305	80.65	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	891822	63.15	ng	0.00
79) Terphenyl-d14	12.845	244	639687	50.25	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	1330	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	79335	14.59	ng	# 80
25) Isophorone	7.310	82	595422	38.41	ng	# 67
50) Dimethylphthalate	9.498	163	138536	9.12	ng	98
57) 2,4-Dinitrotoluene	9.774	165	26516	6.46	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.569	198	301	4.56	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	11921	3.11	ng	# 1
71) Phenanthrene	11.286	178	149995	8.26	ng	98
75) Fluoranthene	12.474	202	386303	19.83	ng	99
78) Pyrene	12.704	202	331608	17.94	ng	99
81) Benzo(a)anthracene	13.892	228	177878	11.19	ng	99
83) Chrysene	13.927	228	173798	11.14	ng	98
87) Indeno(1,2,3-cd)pyrene	16.750	276	90085	6.22	ng	94
88) Benzo(b)fluoranthene	14.927	252	315227	20.89	ng	97
89) Benzo(k)fluoranthene	14.927	252	315227	22.00	ng	# 97
90) Benzo(a)pyrene	15.280	252	140469	10.78	ng	97
92) Benzo(g,h,i)perylene	17.180	276	83542	7.00	ng	96

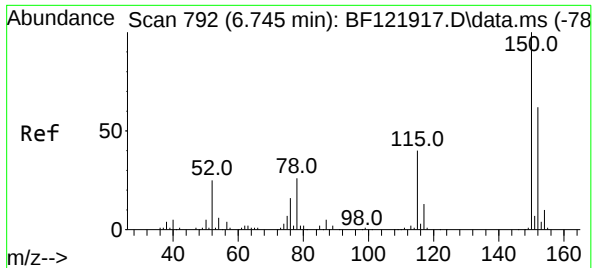
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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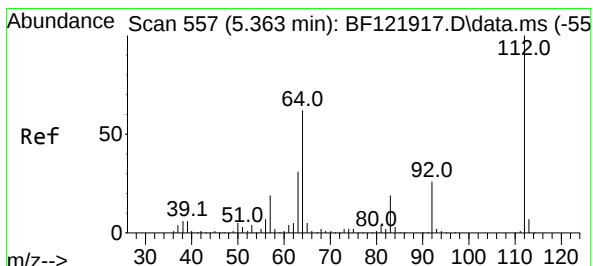
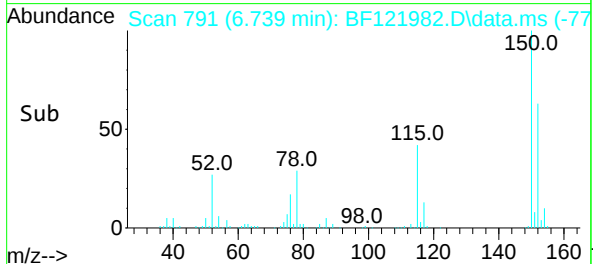
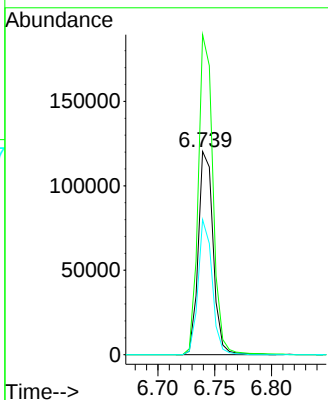
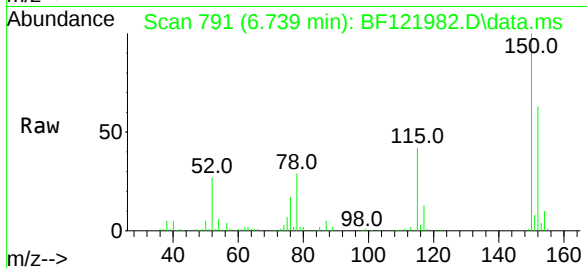




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

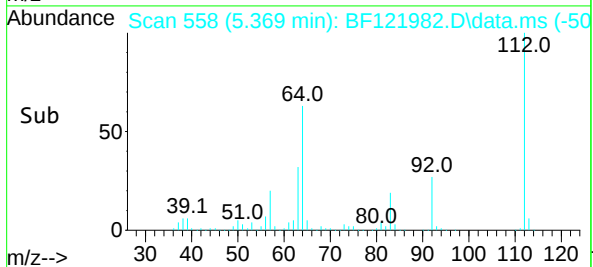
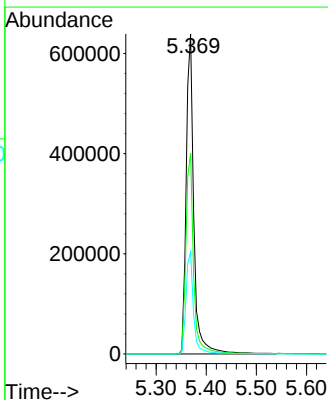
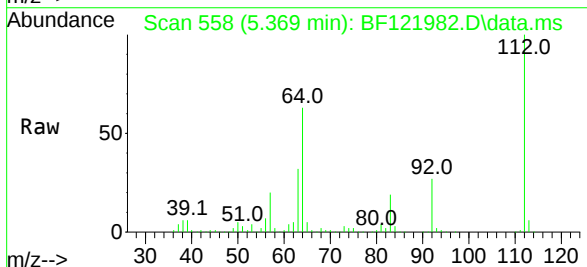
Instrument :
BNA_F
ClientSampleId :
BG-2

Tgt Ion:152 Resp: 109505
Ion Ratio Lower Upper
152 100
150 157.5 125.3 187.9
115 66.5 51.9 77.9



#5
2-Fluorophenol
Concen: 91.33 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:112 Resp: 677637
Ion Ratio Lower Upper
112 100
64 62.6 50.4 75.6
63 31.9 25.8 38.6

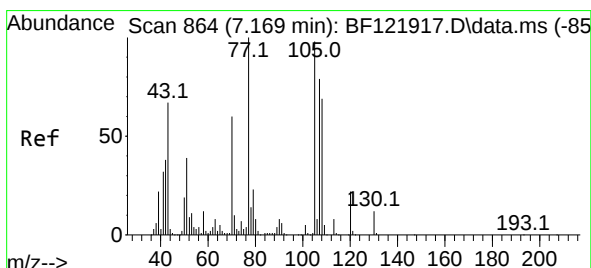
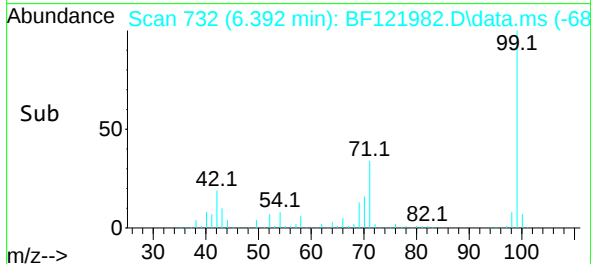
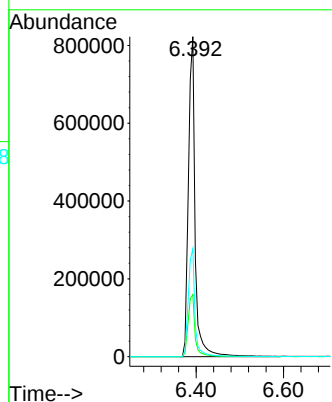
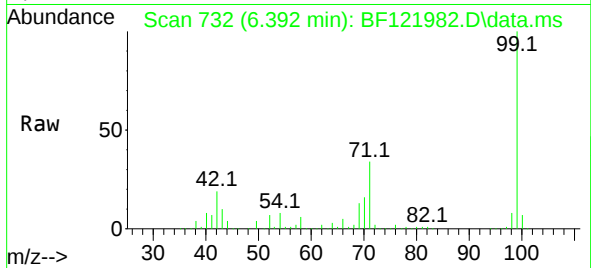




#7
Phenol-d6
Concen: 90.89 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

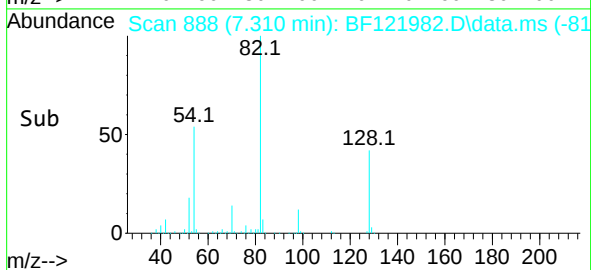
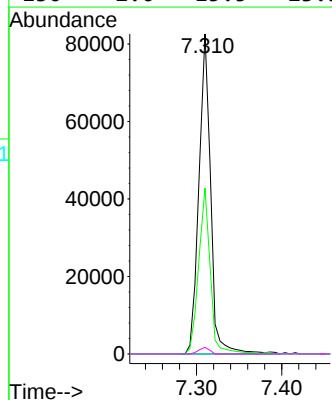
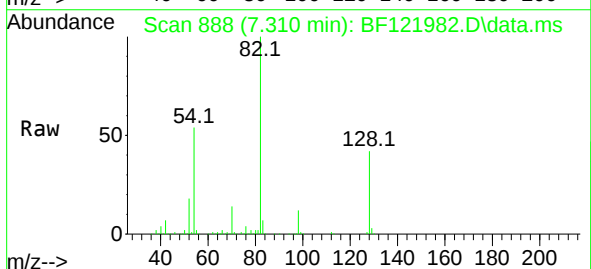
Instrument :
BNA_F
ClientSampleId :
BG-2

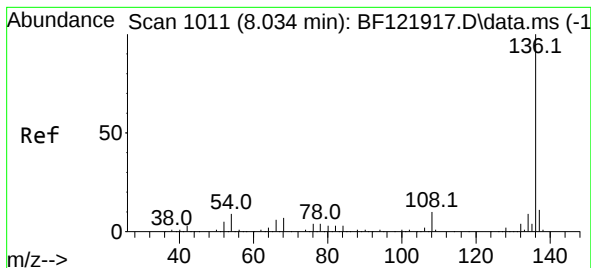
Tgt Ion: 99 Resp: 868044
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.7 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.59 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

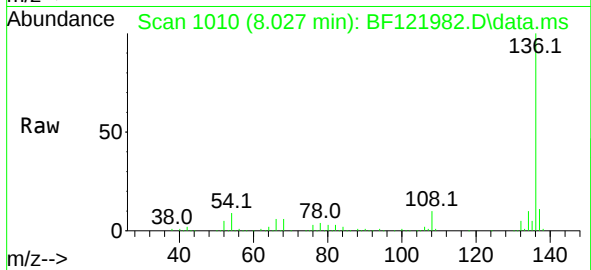
Tgt Ion: 70 Resp: 79335
Ion Ratio Lower Upper
70 100
42 51.8 50.2 75.4
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



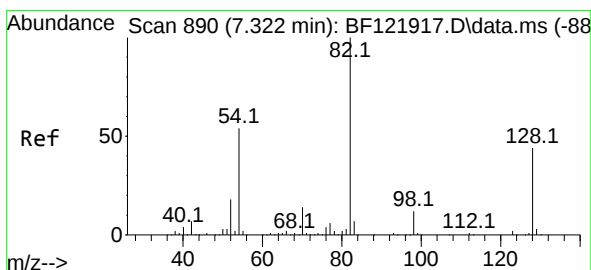
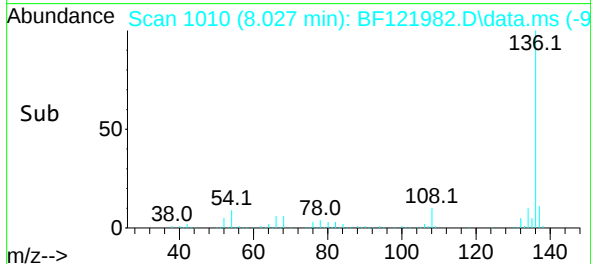
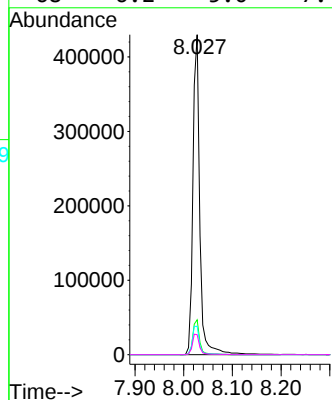


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.027 min Scan# 1010
Delta R.T. -0.007 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Instrument :
BNA_F
ClientSampleId :
BG-2

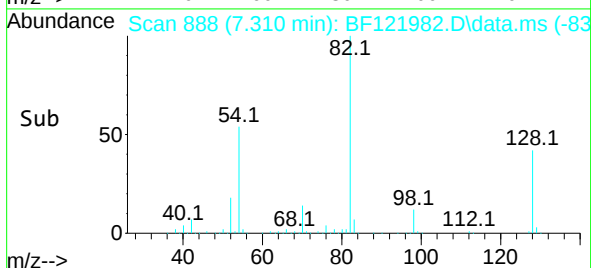
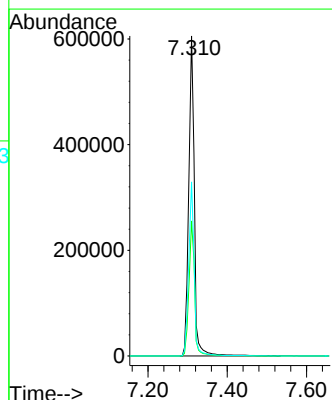
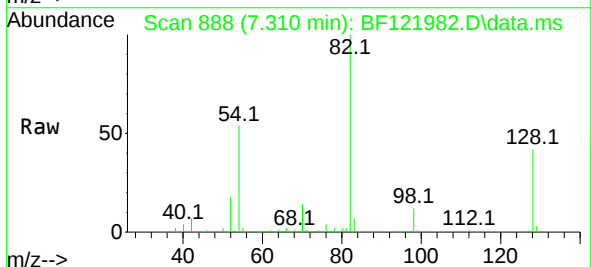


Tgt Ion:136 Resp: 420412
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.9 7.1 10.7
68 6.2 5.0 7.4



#23
Nitrobenzene-d5
Concen: 72.63 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion: 82 Resp: 595425
Ion Ratio Lower Upper
82 100
128 42.2 35.0 52.4
54 54.4 43.9 65.9

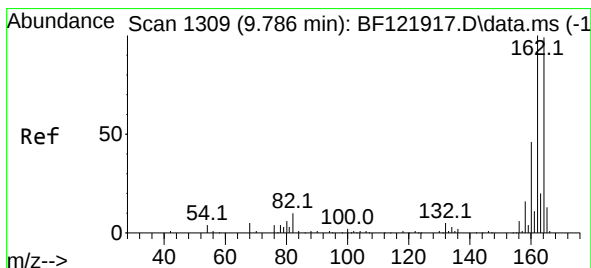
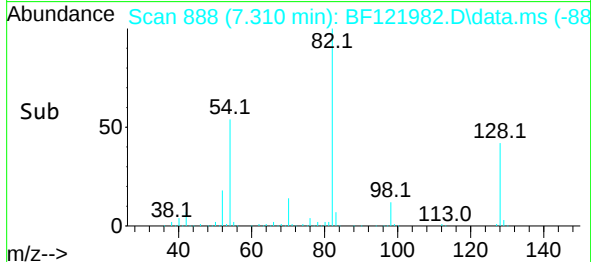
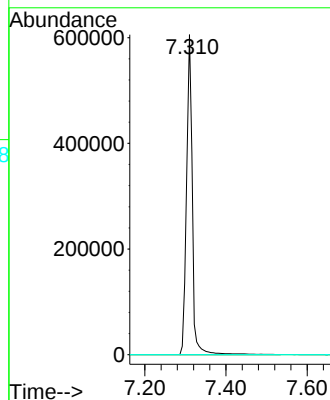
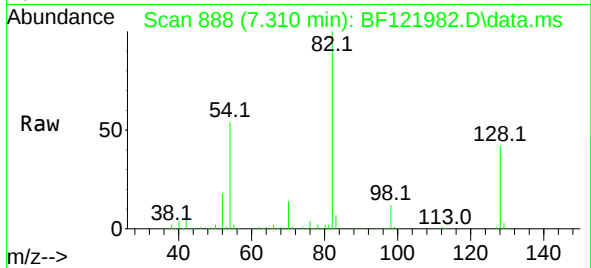




#25
Isophorone
Concen: 38.41 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

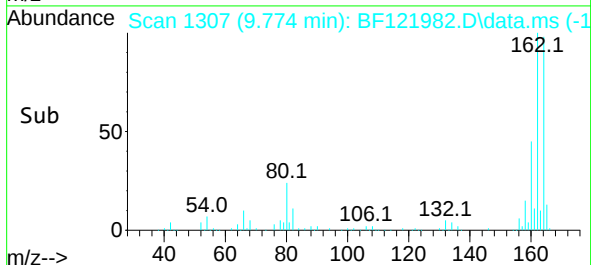
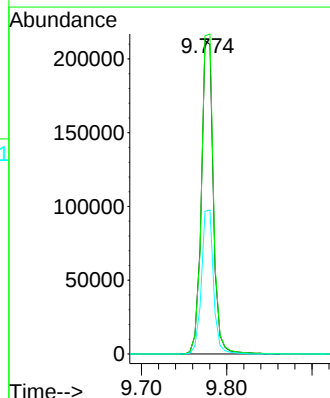
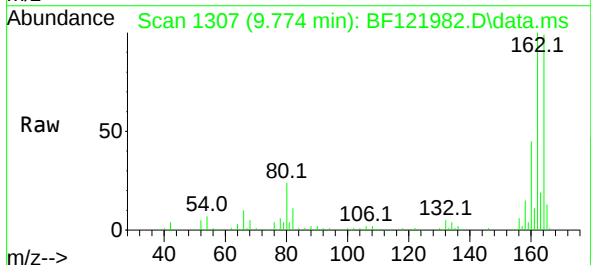
Instrument :
BNA_F
ClientSampleId :
BG-2

Tgt Ion: 82 Resp: 595422
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: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:164 Resp: 207792
Ion Ratio Lower Upper
164 100
162 101.5 83.2 124.8
160 45.5 37.5 56.3

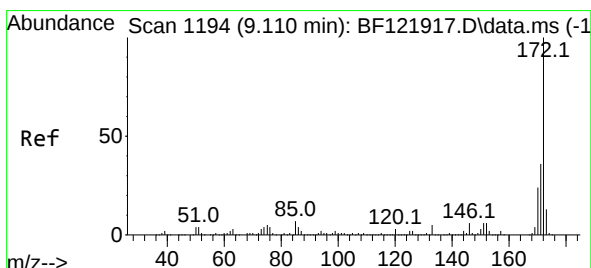
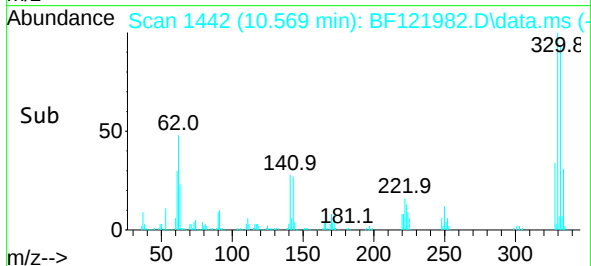
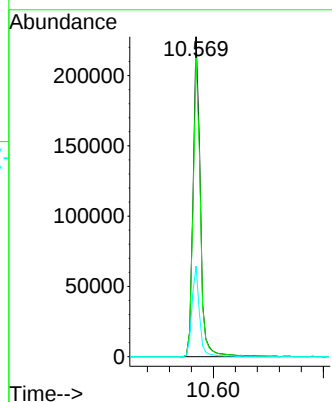
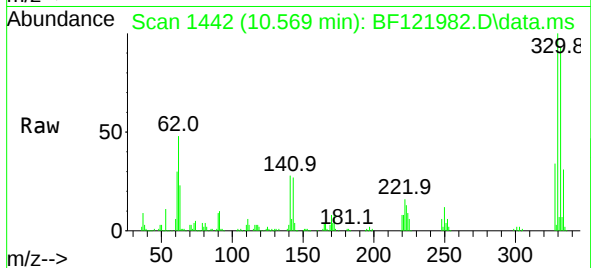




#42
2,4,6-Tribromophenol
Concen: 80.65 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

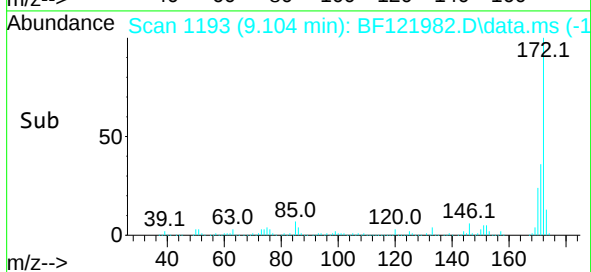
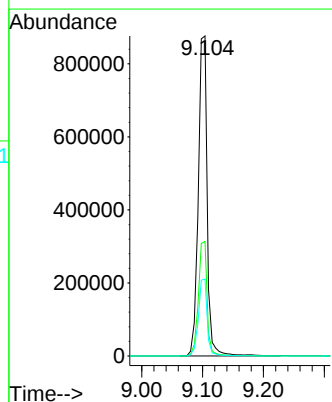
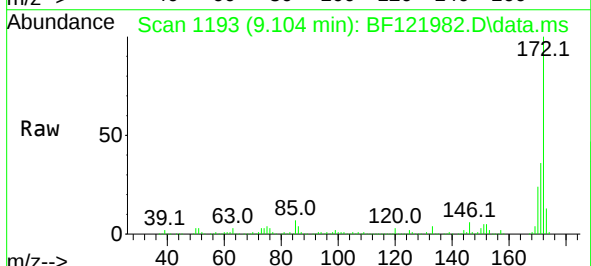
Instrument :
BNA_F
ClientSampled :
BG-2

Tgt Ion: 330 Resp: 207305
Ion Ratio Lower Upper
330 100
332 94.6 77.3 115.9
141 29.6 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 63.15 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion: 172 Resp: 891822
Ion Ratio Lower Upper
172 100
171 35.8 29.1 43.7
170 24.0 19.8 29.6

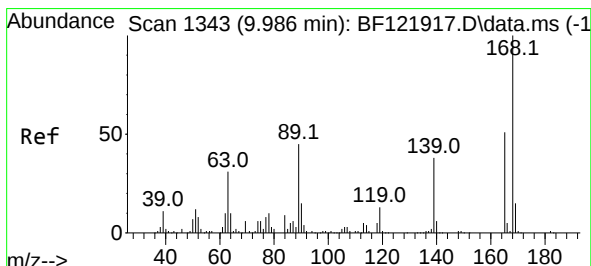
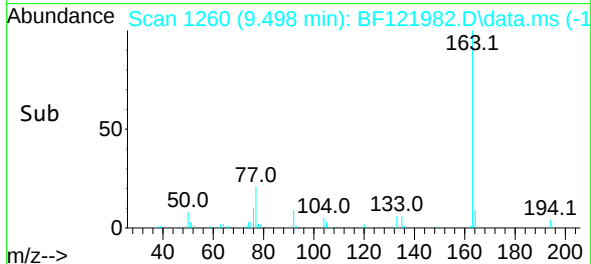
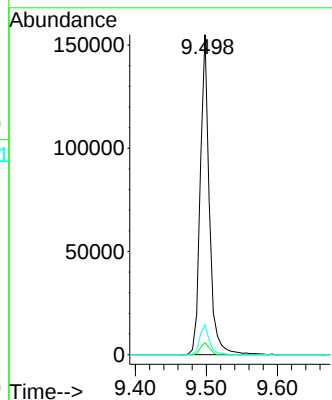
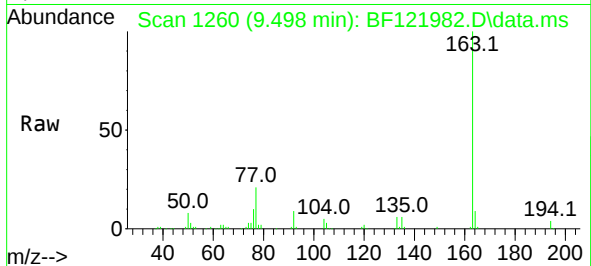




#50
Dimethylphthalate
Concen: 9.12 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

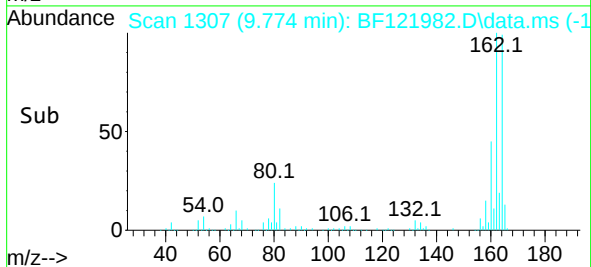
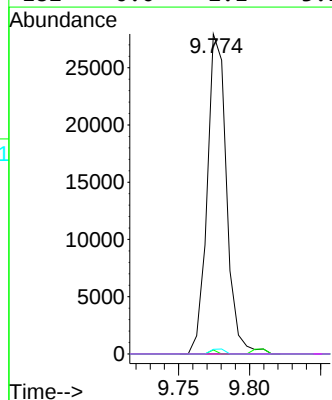
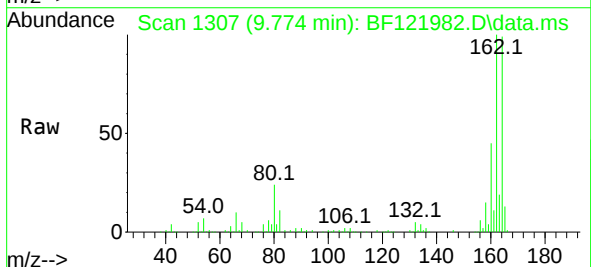
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BNA_F
ClientSampled :
BG-2

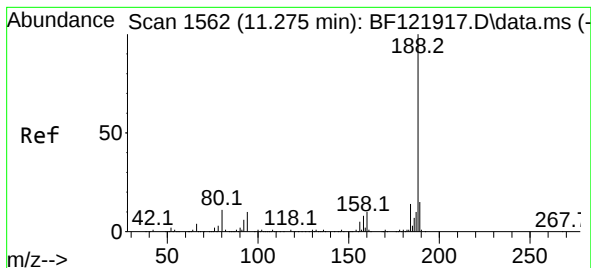
Tgt Ion:163 Resp: 138536
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.3 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:165 Resp: 26516
Ion Ratio Lower Upper
165 100
63 1.2 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#

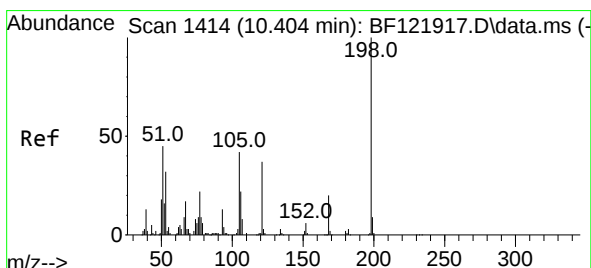
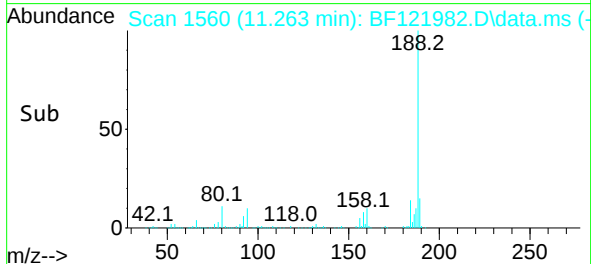
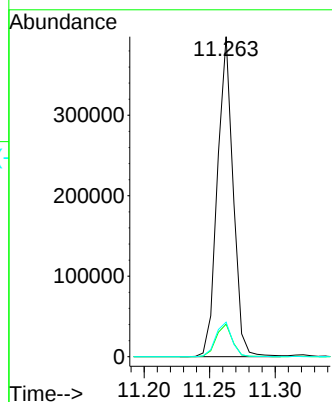
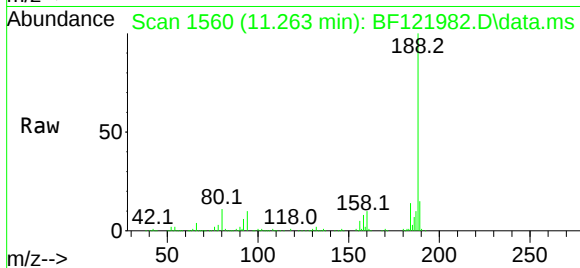




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

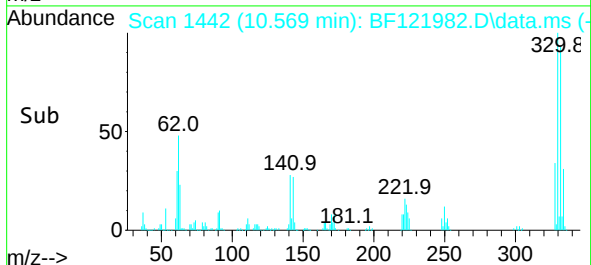
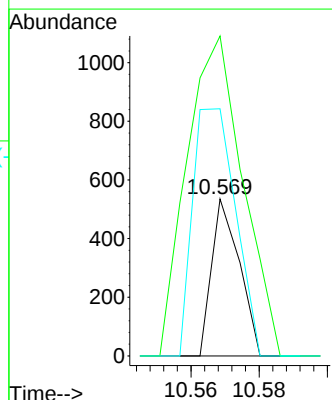
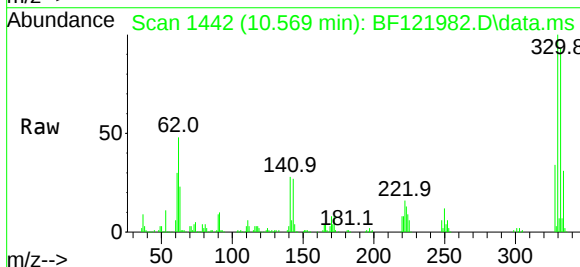
Instrument :
BNA_F
ClientSampleId :
BG-2

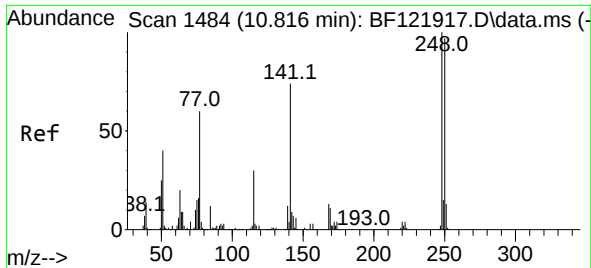
Tgt Ion:188 Resp: 331269
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.8 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.56 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.165 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:198 Resp: 301
Ion Ratio Lower Upper
198 100
51 203.9 29.6 69.6#
105 157.6 24.4 64.4#

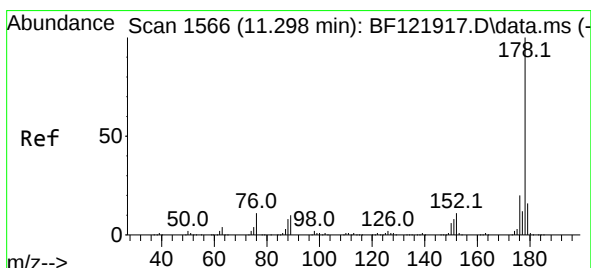
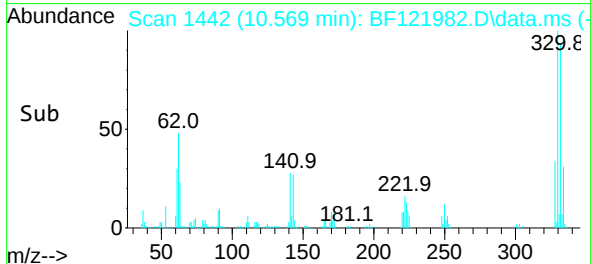
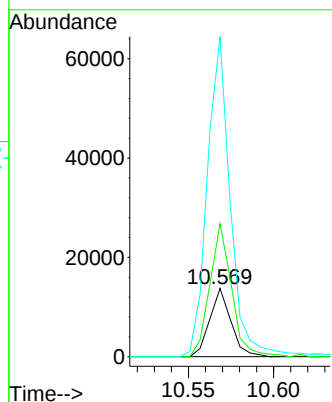
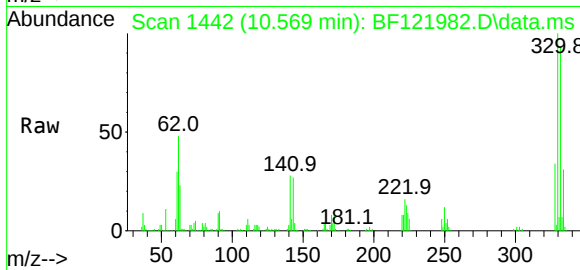




#67
4-Bromophenyl-phenylether
Concen: 3.11 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

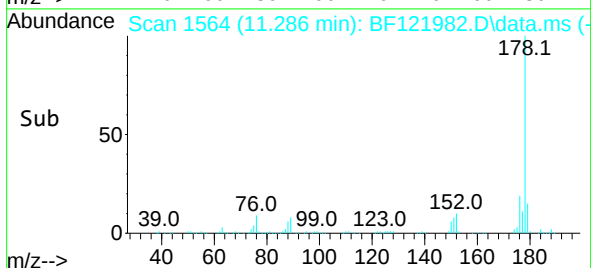
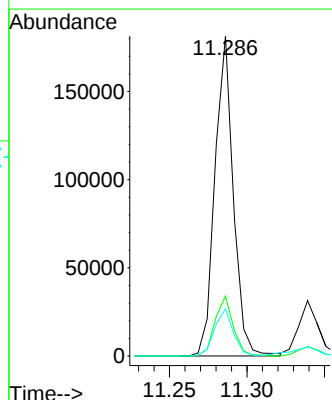
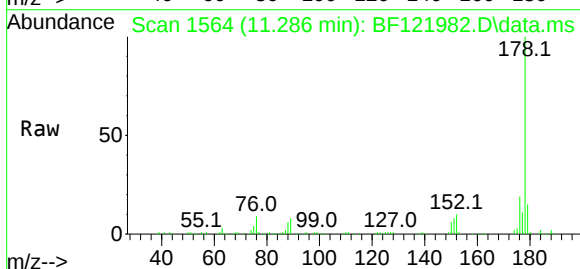
Instrument :
BNA_F
ClientSampleId :
BG-2

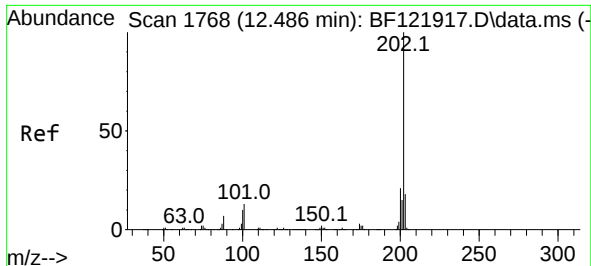
Tgt Ion:248 Resp: 11921
Ion Ratio Lower Upper
248 100
250 194.7 77.0 115.6#
141 468.7 53.7 80.5#



#71
Phenanthrene
Concen: 8.26 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:178 Resp: 149995
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.7 12.2 18.4

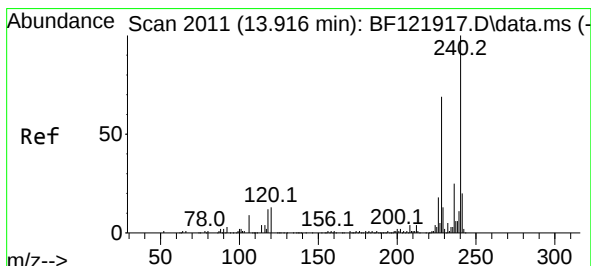
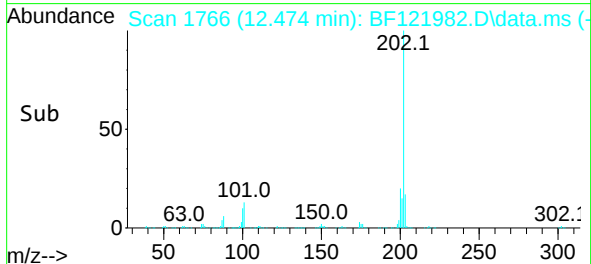
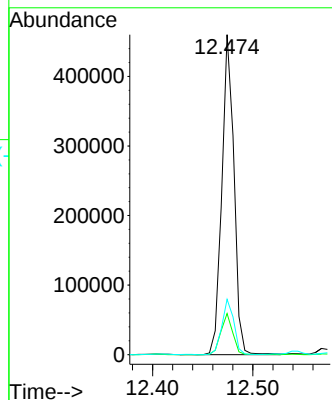
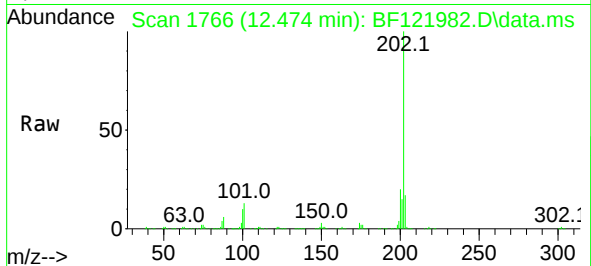




#75
Fluoranthene
Concen: 19.83 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

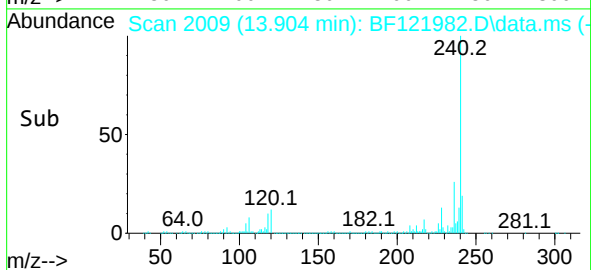
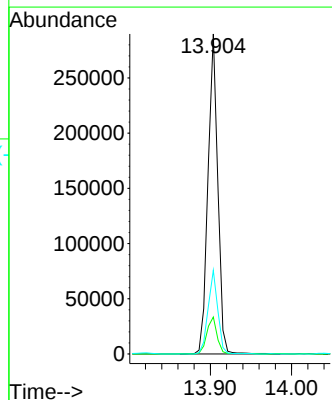
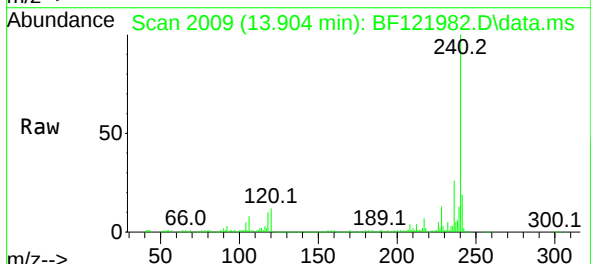
Instrument :
BNA_F
ClientSampled :
BG-2

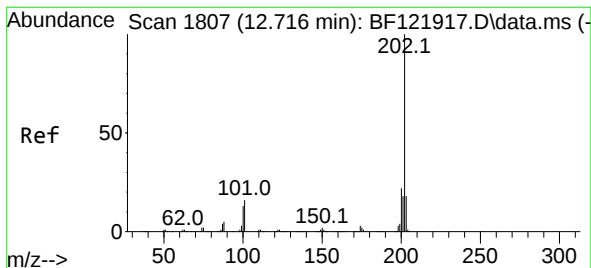
Tgt Ion:202 Resp: 386303
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.4
203 17.3 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:240 Resp: 242586
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 26.2 20.9 31.3





#78

Pyrene

Concen: 17.94 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF121982.D

Acq: 15 Oct 2020 6:30

Tgt Ion:202 Resp: 331608

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

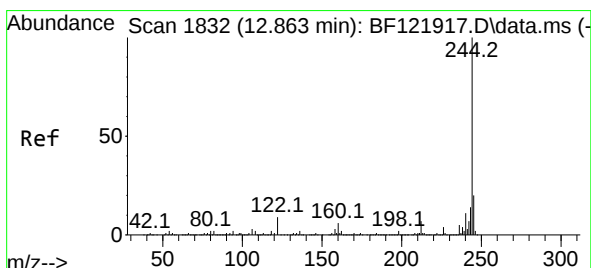
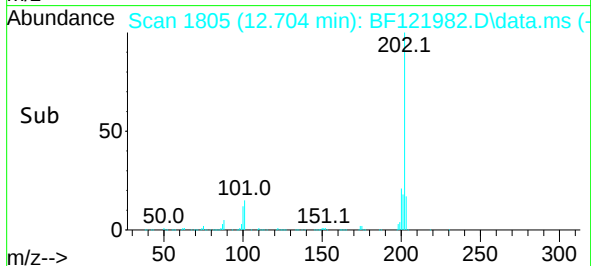
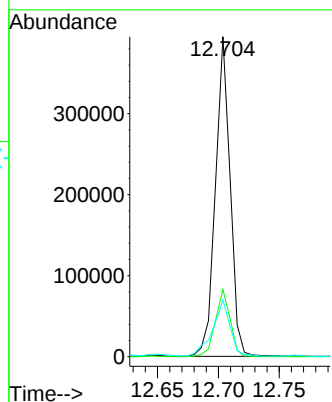
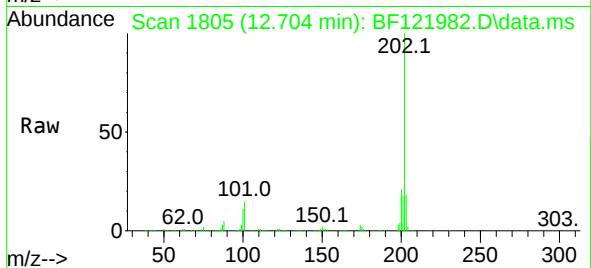
203 17.6 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

BG-2



#79

Terphenyl-d14

Concen: 50.25 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.018 min

Lab File: BF121982.D

Acq: 15 Oct 2020 6:30

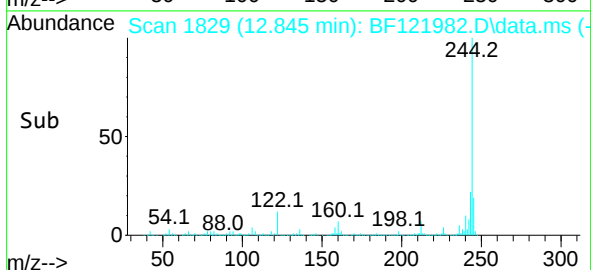
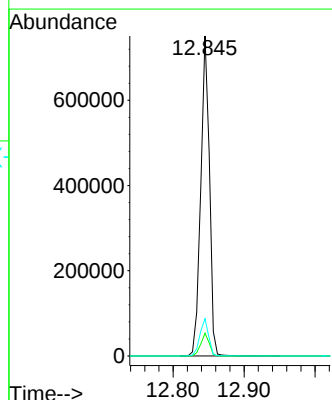
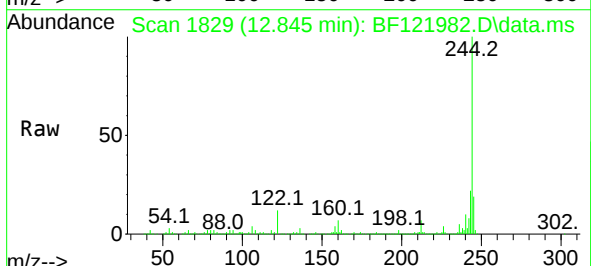
Tgt Ion:244 Resp: 639687

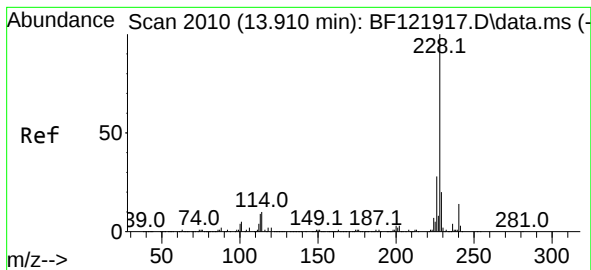
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.6 8.1 12.1

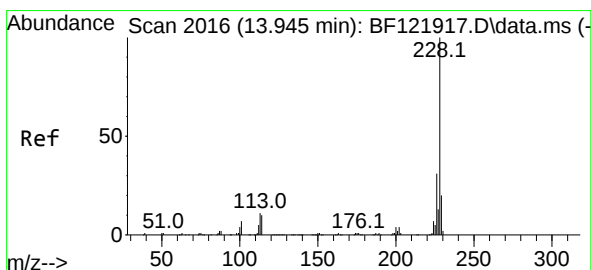
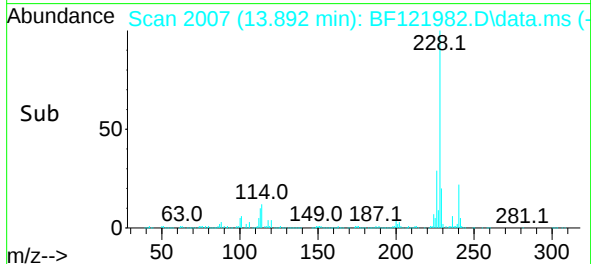
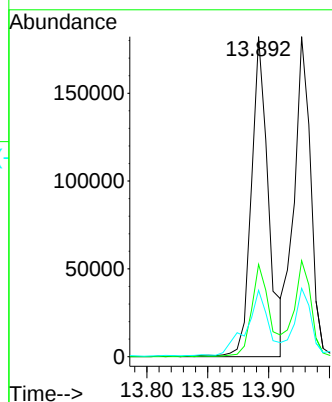
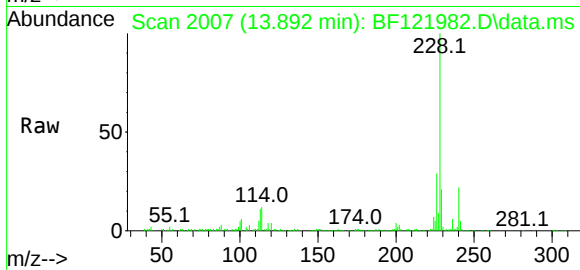




#81
Benzo(a)anthracene
Concen: 11.19 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

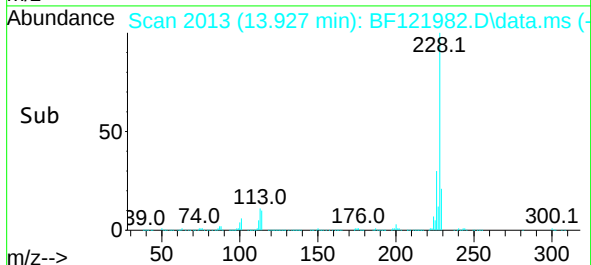
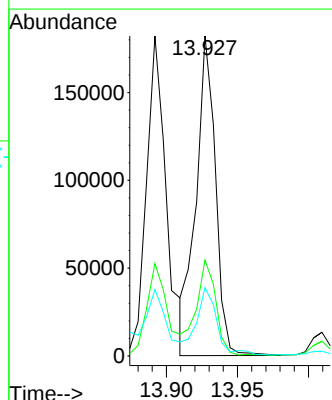
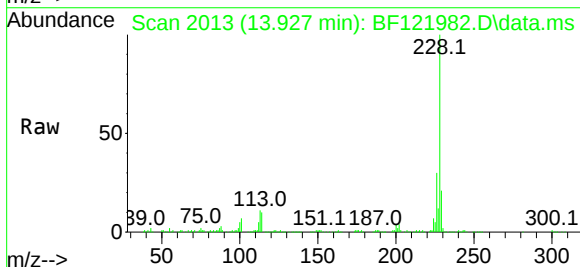
Instrument :
BNA_F
ClientSampled :
BG-2

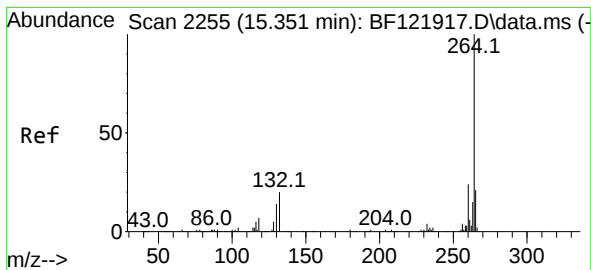
Tgt Ion:228 Resp: 177878
Ion Ratio Lower Upper
228 100
226 28.9 22.3 33.5
229 20.8 16.2 24.4



#83
Chrysene
Concen: 11.14 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:228 Resp: 173798
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.4 15.9 23.9

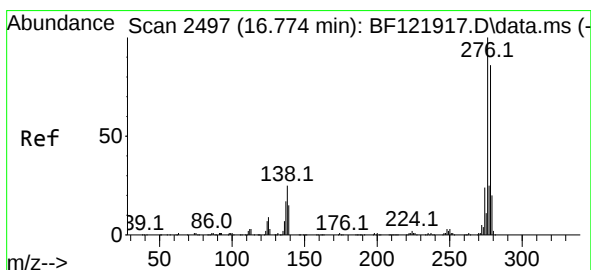
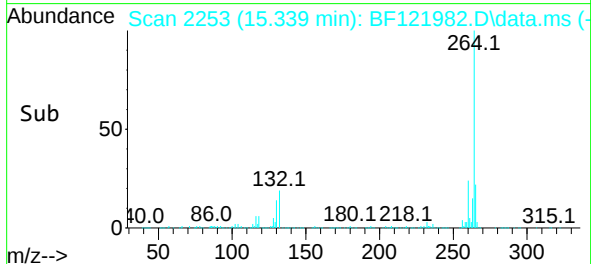
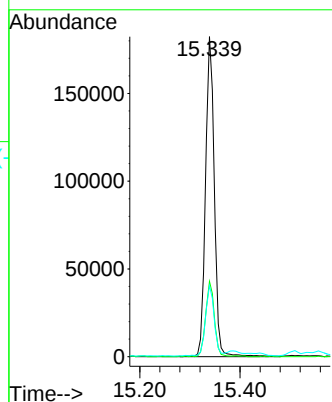
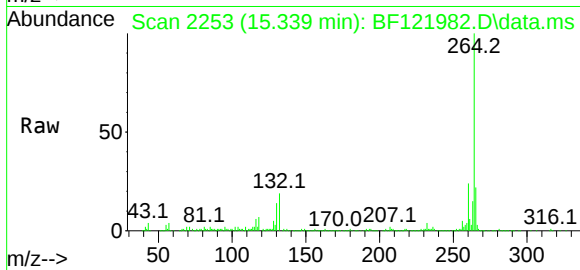




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

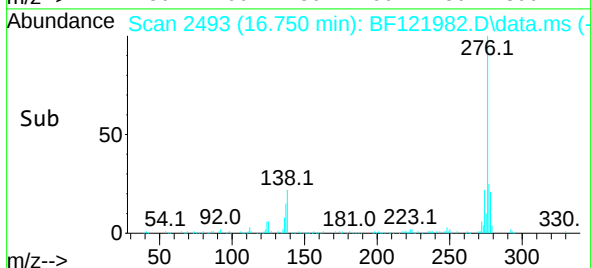
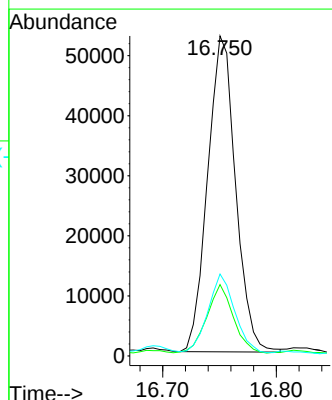
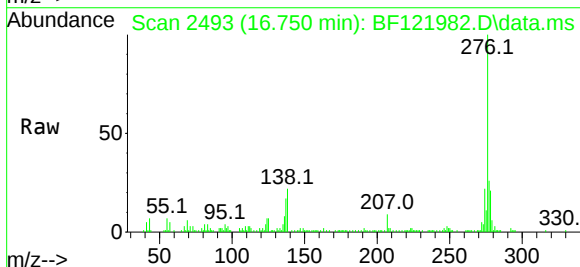
Instrument :
BNA_F
ClientSampleId :
BG-2

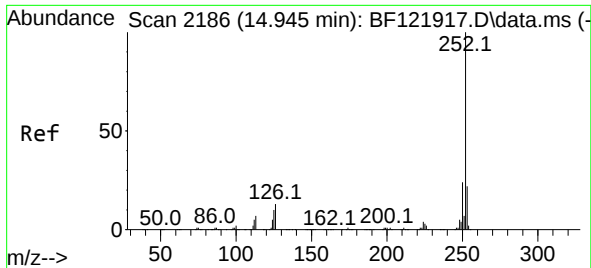
Tgt Ion:	264	Resp:	223192
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.7	28.1
265	22.2	17.3	25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.22 ng
RT: 16.750 min Scan# 2493
Delta R.T. -0.024 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:	276	Resp:	90085
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.9	29.9
277	23.6	20.4	30.6

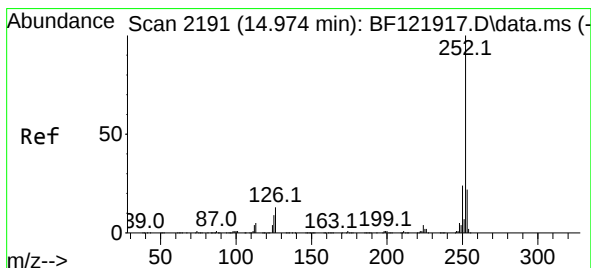
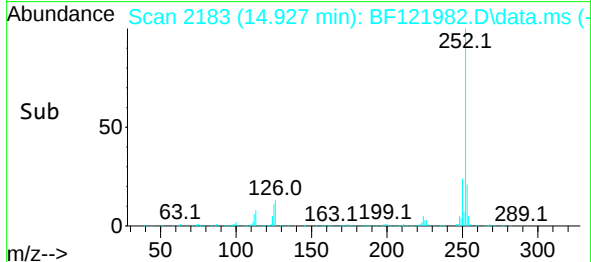
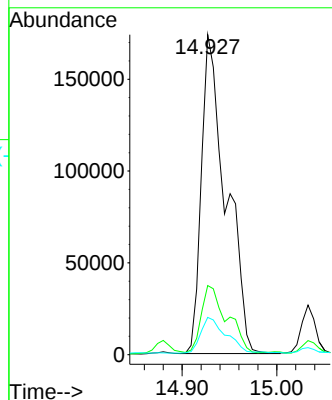
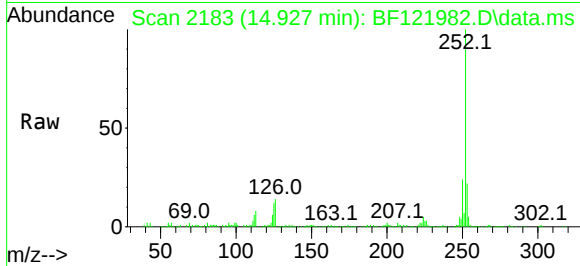




#88
Benzo(b)fluoranthene
Concen: 20.89 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

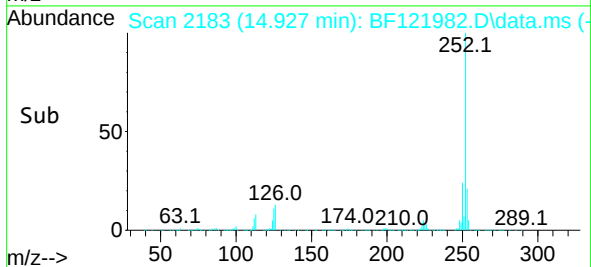
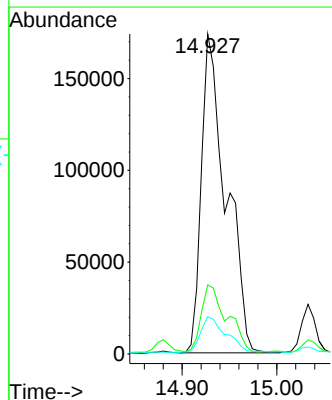
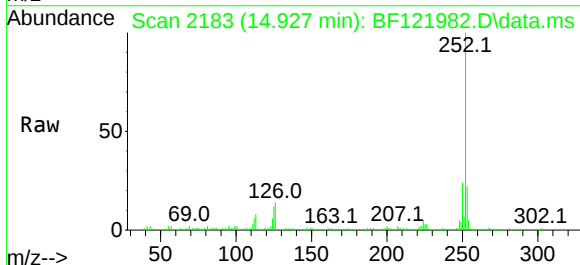
Instrument :
BNA_F
ClientSampled :
BG-2

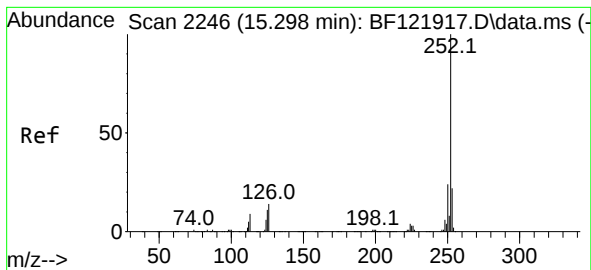
Tgt Ion:252 Resp: 315227
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 11.6 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 22.00 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.047 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:252 Resp: 315227
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 11.6 7.7 11.5#

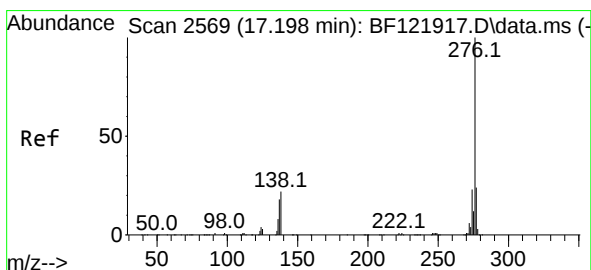
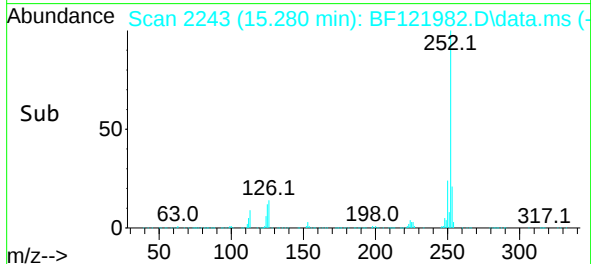
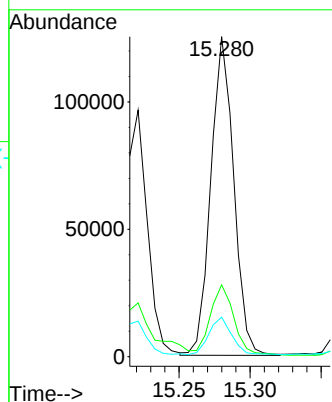
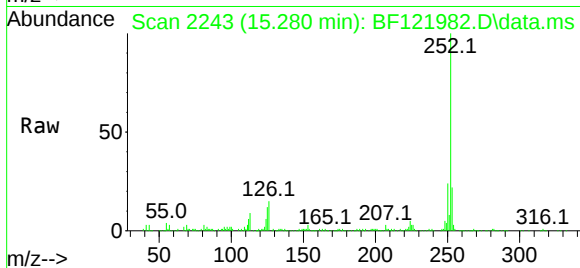




#90
Benzo(a)pyrene
Concen: 10.78 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Instrument :
BNA_F
ClientSampled :
BG-2

Tgt Ion:252 Resp: 140469
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 12.3 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 7.00 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.018 min
Lab File: BF121982.D
Acq: 15 Oct 2020 6:30

Tgt Ion:276 Resp: 83542
Ion Ratio Lower Upper
276 100
277 26.4 19.4 29.2
138 23.9 17.8 26.6

