

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
 Data File : BF121988.D
 Acq On : 15 Oct 2020 13:35
 Operator : JU/CG
 Sample : L4390-03DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-3DL

Quant Time: Oct 15 14:41:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

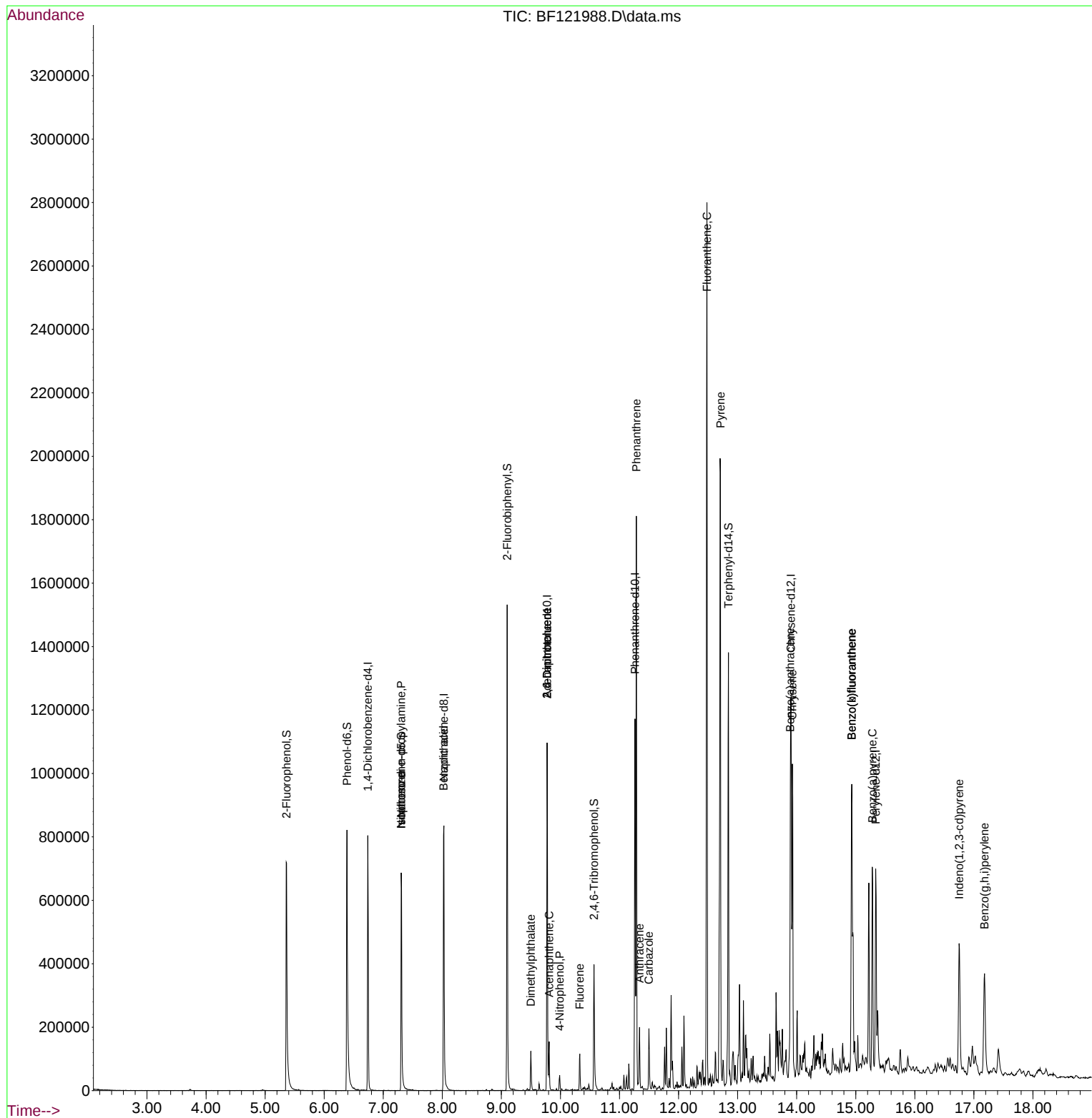
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	110747	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	437084	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	224683	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	410904	20.00	ng	0.00
76) Chrysene-d12	13.904	240	267925	20.00	ng	0.00
86) Perylene-d12	15.339	264	253801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	274614	36.60	ng	0.00
7) Phenol-d6	6.387	99	364672	37.75	ng	0.00
23) Nitrobenzene-d5	7.304	82	256600	30.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	55126	19.83	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	455318	29.82	ng	0.00
79) Terphenyl-d14	12.845	244	394495	28.06	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.387	77	288	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.304	70	32897	5.98 ng	#	82
25) Isophorone	7.304	82	256598	15.92 ng	#	67
32) Benzoic acid	8.022	122	107	7.71 ng	#	1
50) Dimethylphthalate	9.498	163	54688	3.33 ng		100
51) 2,6-Dinitrotoluene	9.775	165	28657	7.95 ng	#	21
52) Acenaphthene	9.810	154	31544	2.43 ng		99
56) 4-Nitrophenol	9.986	139	7632	3.42 ng	#	10
57) 2,4-Dinitrotoluene	9.775	165	28657	6.46 ng	#	20
58) Fluorene	10.328	166	36341	2.38 ng		99
71) Phenanthrene	11.286	178	598757	26.58 ng		99
72) Anthracene	11.339	178	77802	3.33 ng		97
73) Carbazole	11.498	167	73495	3.54 ng		99
75) Fluoranthene	12.480	202	1093616	45.27 ng		99
78) Pyrene	12.710	202	894842	43.83 ng		99
81) Benzo(a)anthracene	13.892	228	349158	19.89 ng		100
83) Chrysene	13.927	228	385245	22.35 ng		99
87) Indeno(1,2,3-cd)pyrene	16.751	276	247201	15.00 ng		95
88) Benzo(b)fluoranthene	14.933	252	634246	36.97 ng		98
89) Benzo(k)fluoranthene	14.933	252	634246	38.92 ng		98
90) Benzo(a)pyrene	15.280	252	302719	20.43 ng		98
92) Benzo(g,h,i)perylene	17.180	276	257925	18.99 ng		98

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

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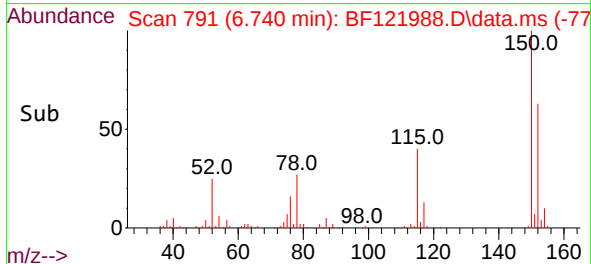
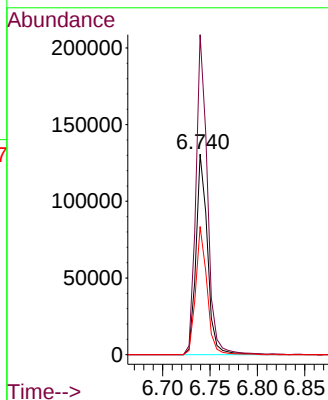
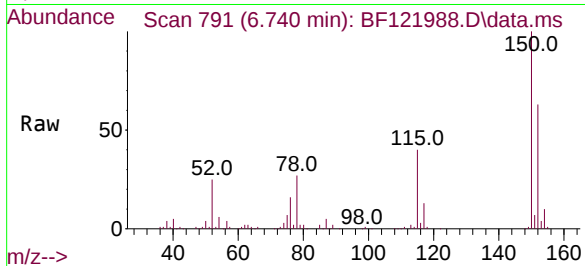




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

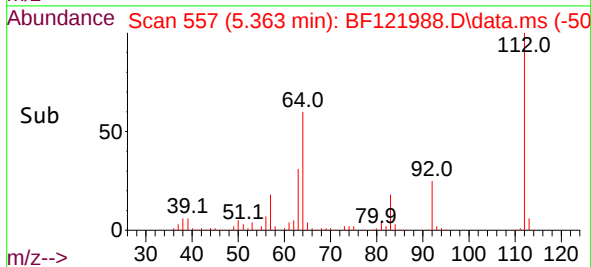
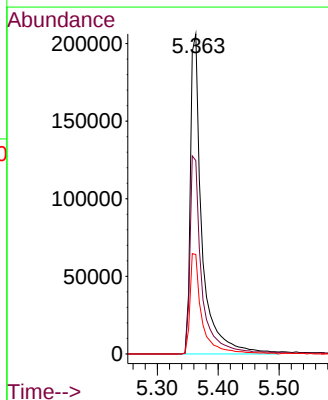
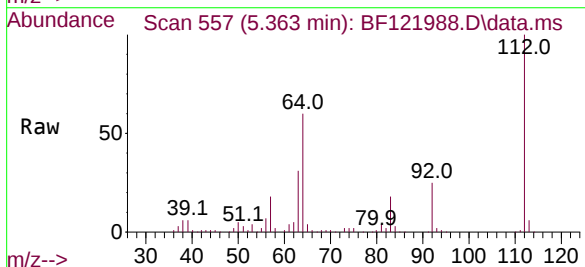
Instrument :
BNA_F
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BG-3DL

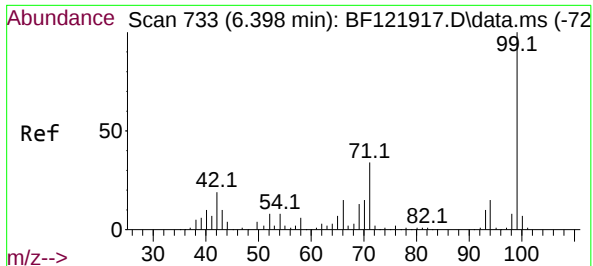
Tgt Ion:152 Resp: 110747
Ion Ratio Lower Upper
152 100
150 159.6 125.3 187.9
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 36.60 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:112 Resp: 274614
Ion Ratio Lower Upper
112 100
64 60.5 50.4 75.6
63 31.1 25.8 38.6

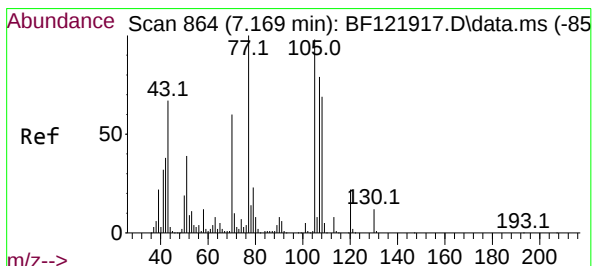
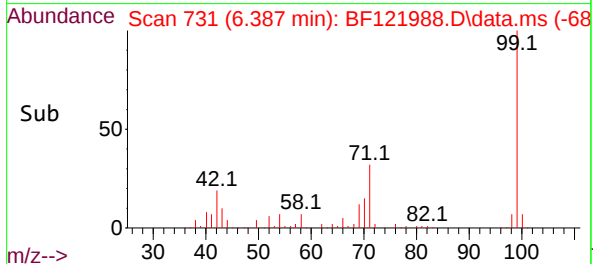
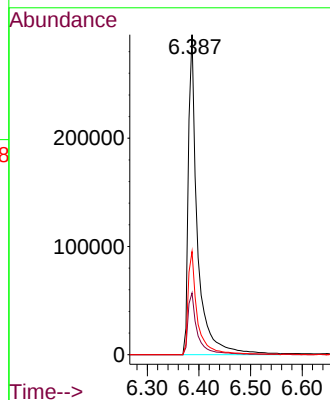
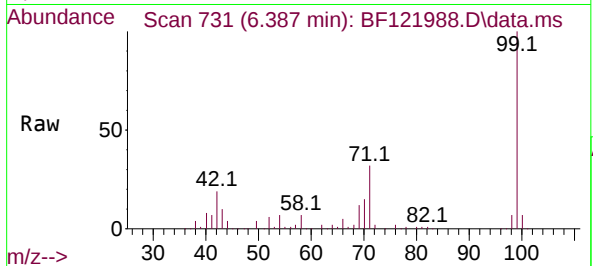




#7
Phenol-d6
Concen: 37.75 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

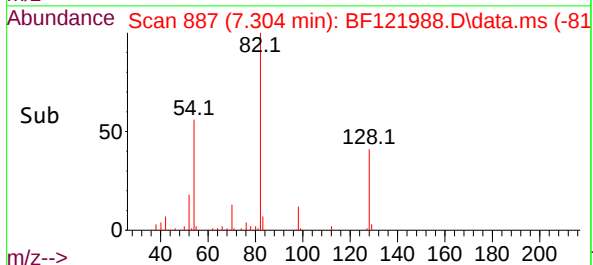
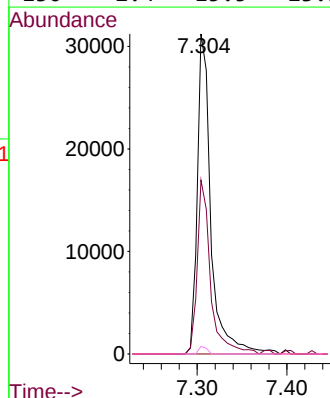
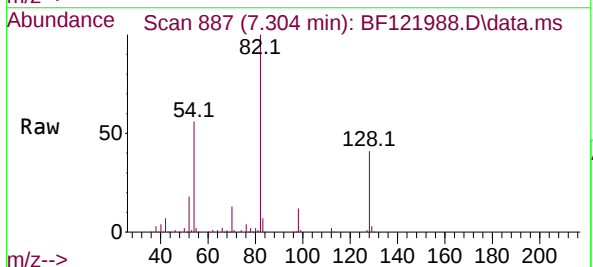
Instrument :
BNA_F
ClientSampleId :
BG-3DL

Tgt Ion: 99 Resp: 364672
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 32.3 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.98 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion: 70 Resp: 32897
Ion Ratio Lower Upper
70 100
42 54.3 50.2 75.4
101 0.0 7.5 11.3#
130 2.4 15.5 23.3#



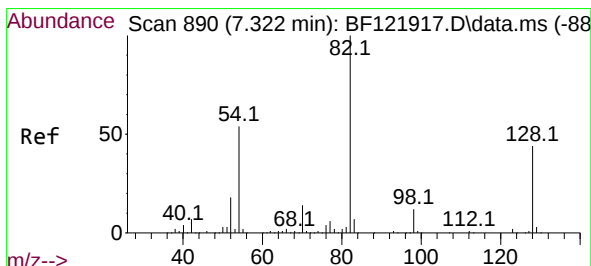
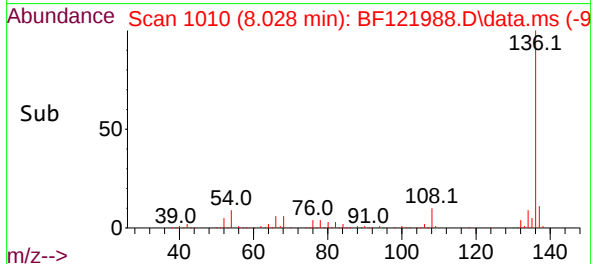
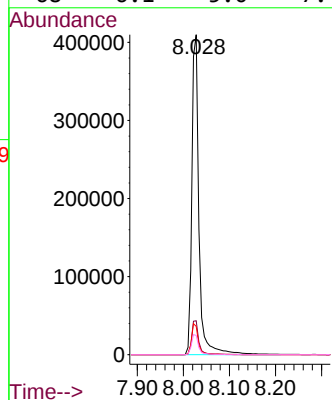
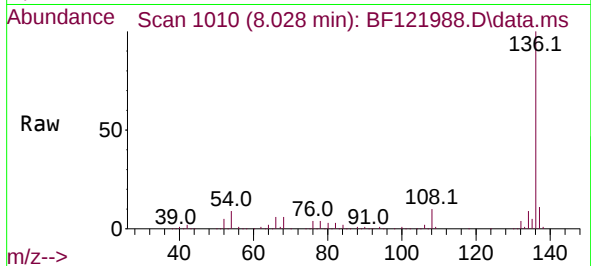


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Instrument :
BNA_F
ClientSampleId :
BG-3DL

Tgt Ion:136 Resp: 437084

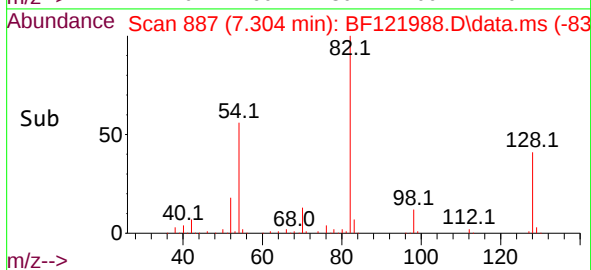
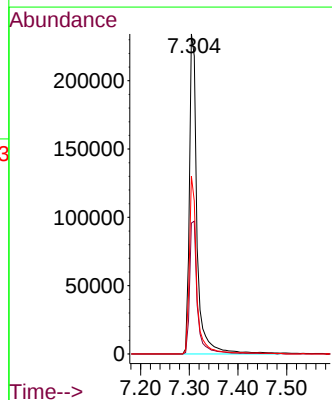
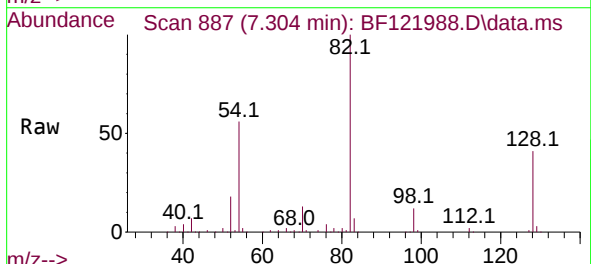
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.9	7.1	10.7
68	6.1	5.0	7.4

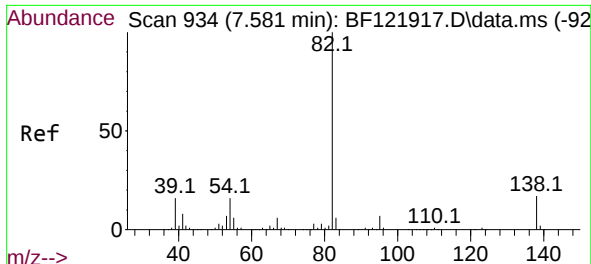


#23
Nitrobenzene-d5
Concen: 30.11 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion: 82 Resp: 256600

Ion	Ratio	Lower	Upper
82	100		
128	40.9	35.0	52.4
54	55.6	43.9	65.9

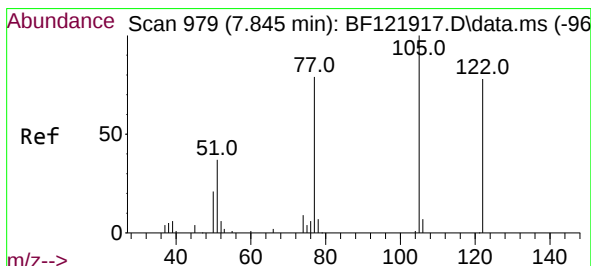
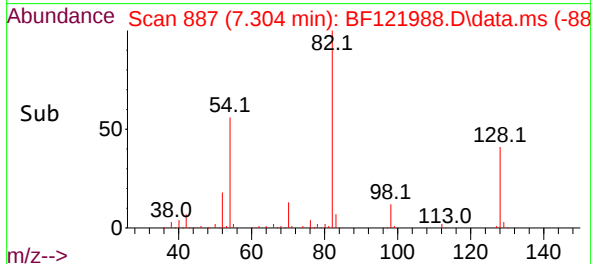
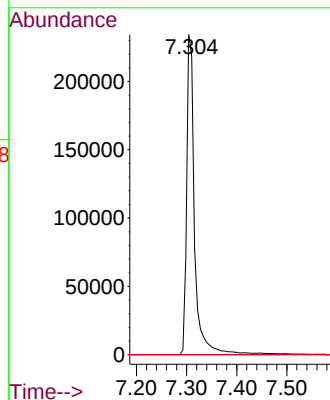
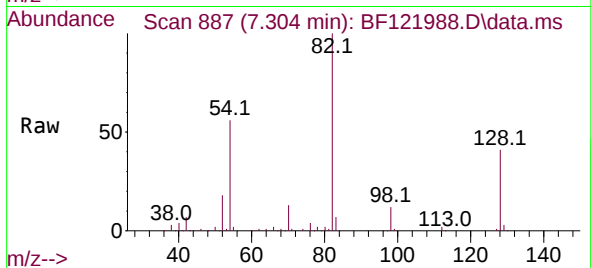




#25
Isophorone
Concen: 15.92 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.270 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

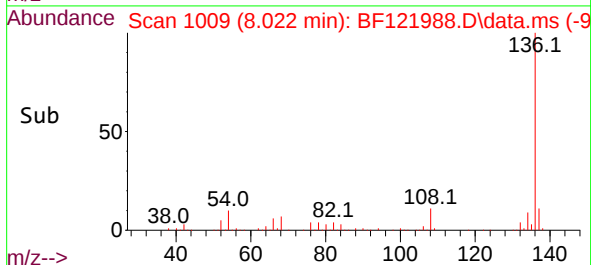
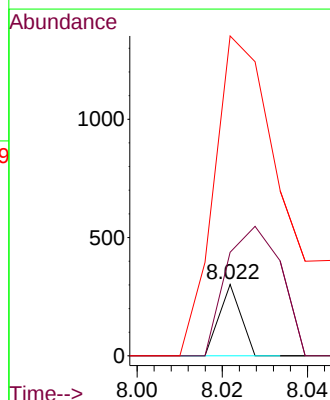
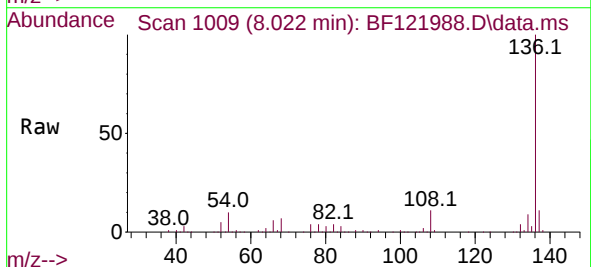
Instrument :
BNA_F
ClientSampleId :
BG-3DL

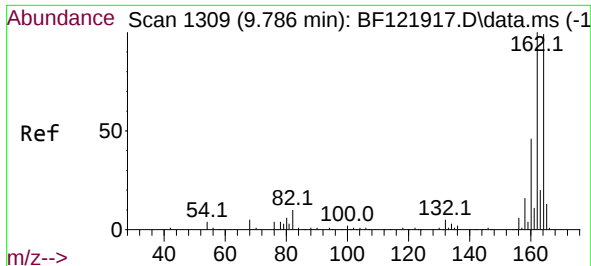
Tgt Ion: 82 Resp: 256598
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.71 ng
RT: 8.022 min Scan# 1009
Delta R.T. 0.183 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion: 122 Resp: 107
Ion Ratio Lower Upper
122 100
105 145.0 103.3 143.3#
77 447.7 73.9 113.9#

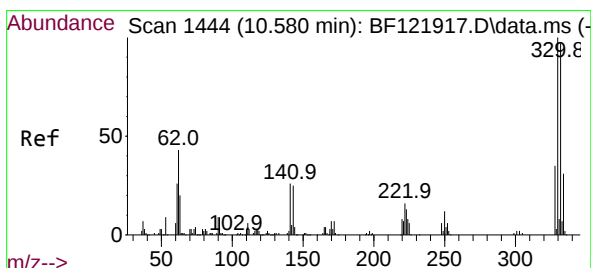
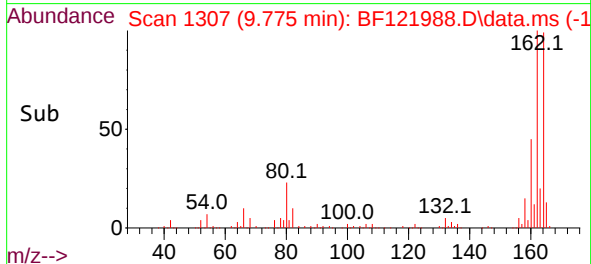
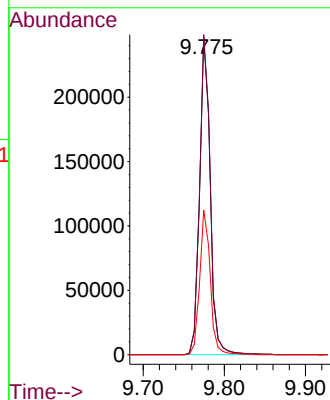
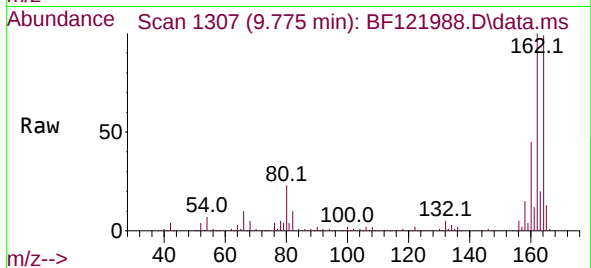




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

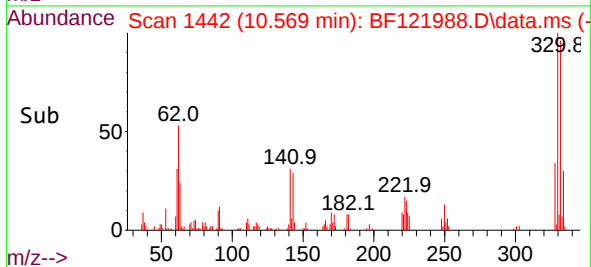
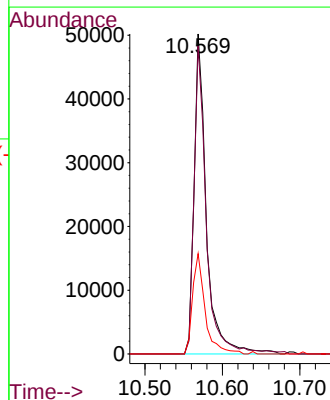
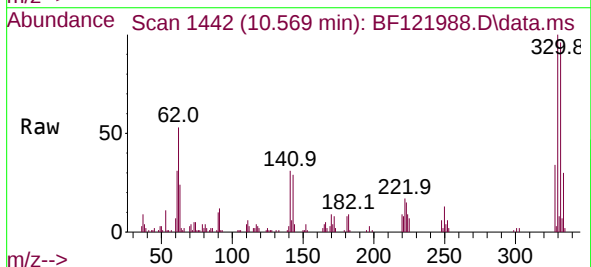
Instrument :
BNA_F
ClientSampled :
BG-3DL

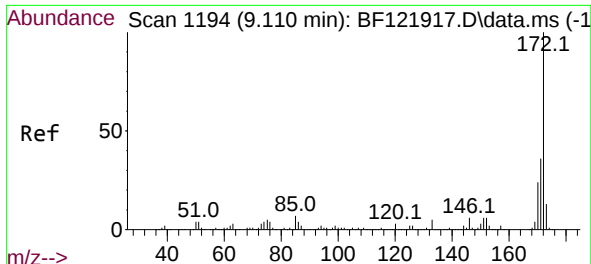
Tgt Ion:164 Resp: 224683
Ion Ratio Lower Upper
164 100
162 100.9 83.2 124.8
160 45.6 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 19.83 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:330 Resp: 55126
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 32.0 22.3 33.5

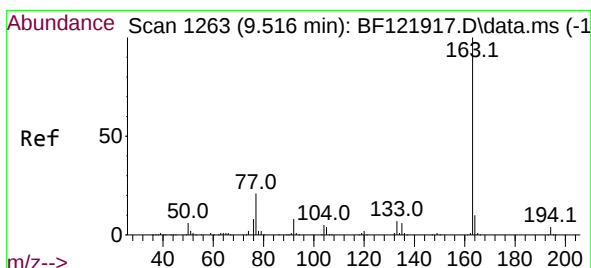
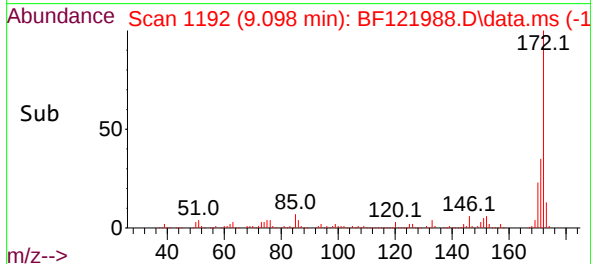
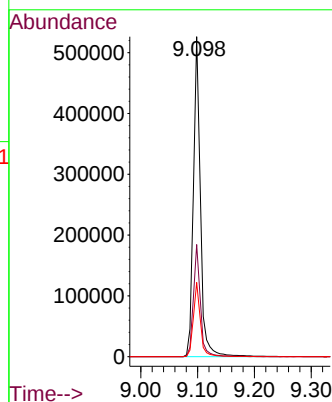
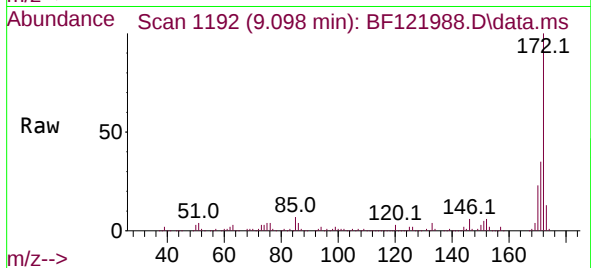




#45
2-Fluorobiphenyl
Concen: 29.82 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

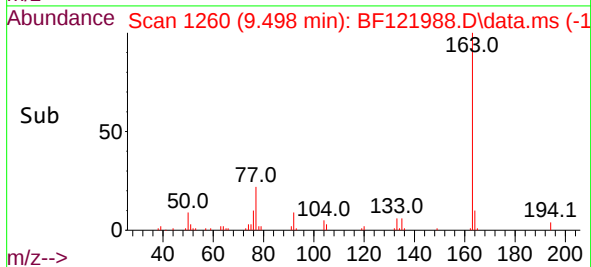
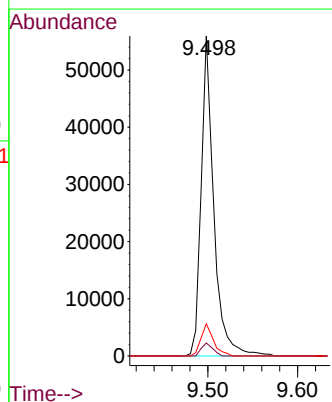
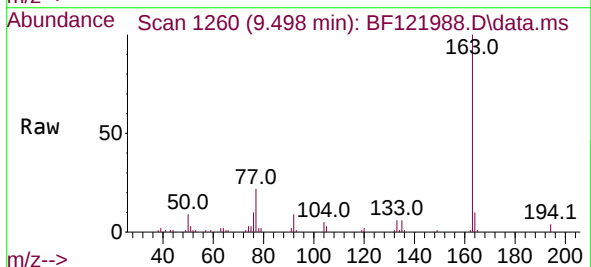
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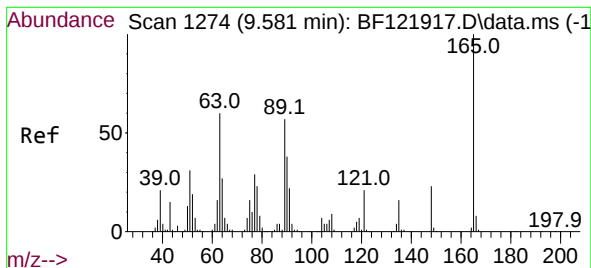
Tgt Ion:172 Resp: 455318
Ion Ratio Lower Upper
172 100
171 35.0 29.1 43.7
170 23.2 19.8 29.6



#50
Dimethylphthalate
Concen: 3.33 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:163 Resp: 54688
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.4

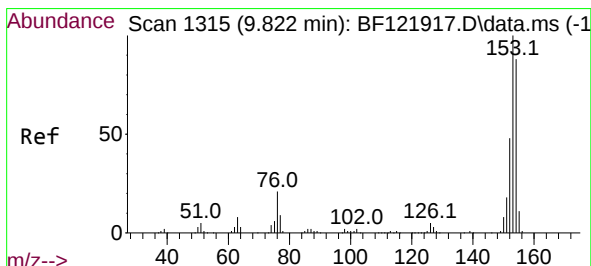
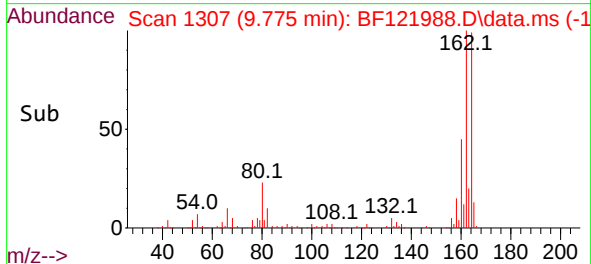
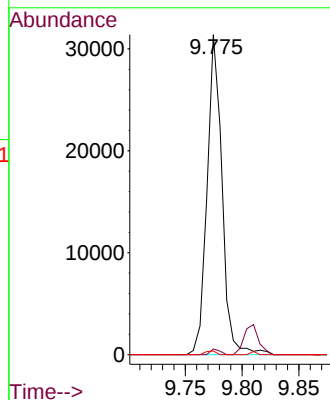
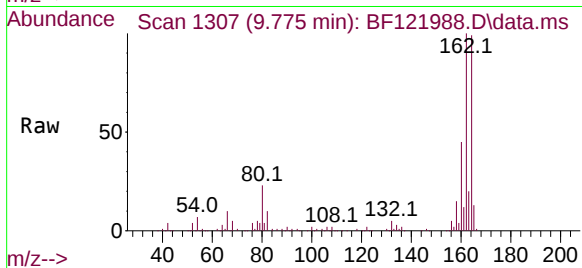




#51
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

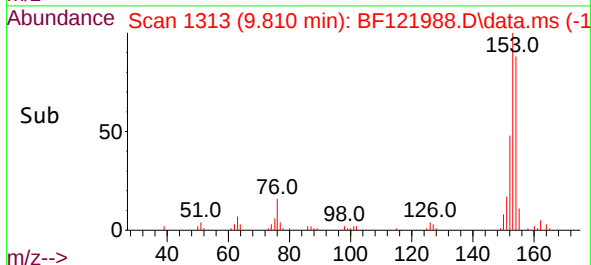
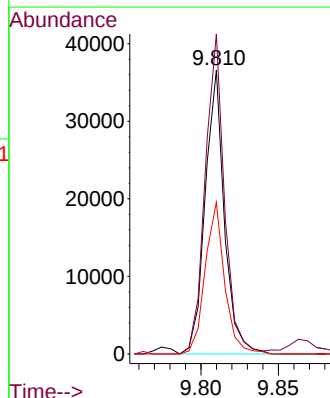
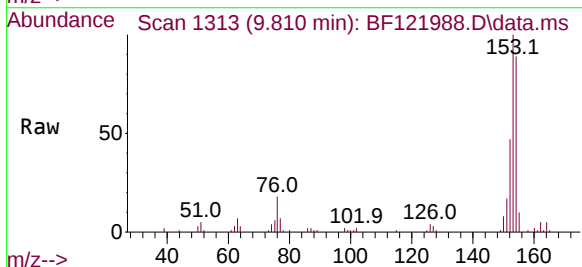
Instrument :
BNA_F
ClientSampled :
BG-3DL

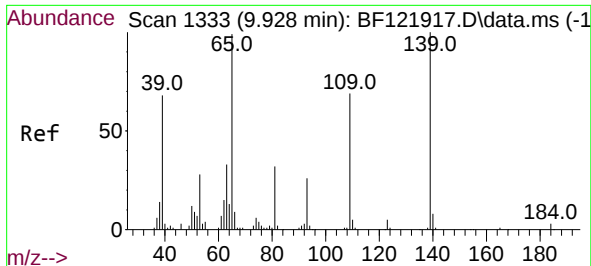
Tgt Ion:165 Resp: 28657
Ion Ratio Lower Upper
165 100
63 1.8 51.8 77.6#
89 1.1 49.0 73.6#



#52
Acenaphthene
Concen: 2.43 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:154 Resp: 31544
Ion Ratio Lower Upper
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153 112.7 89.8 134.8
152 53.4 43.2 64.8

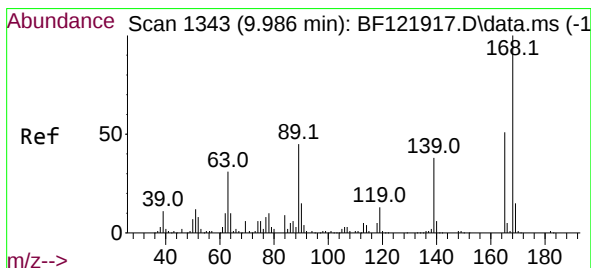
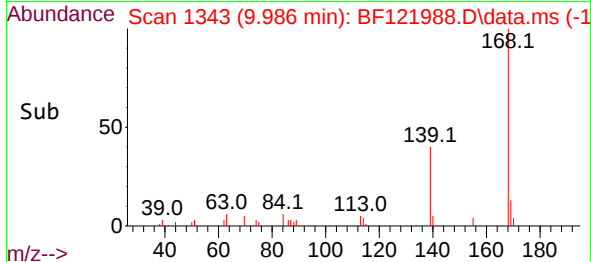
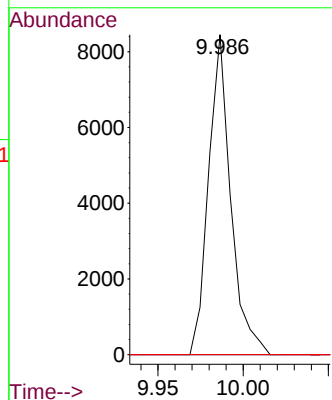
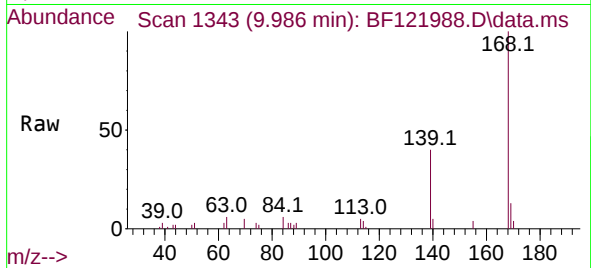




#56
4-Nitrophenol
Concen: 3.42 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.059 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

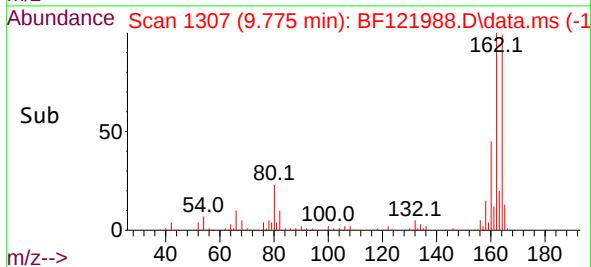
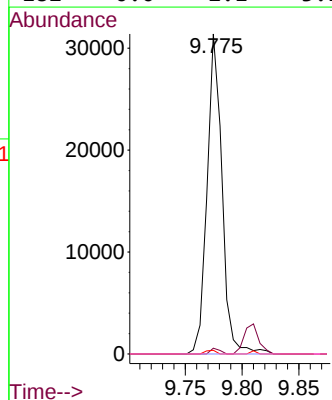
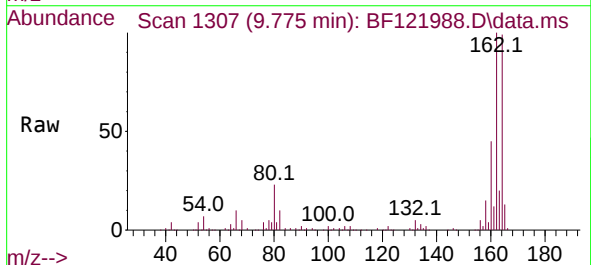
Instrument :
BNA_F
ClientSampleId :
BG-3DL

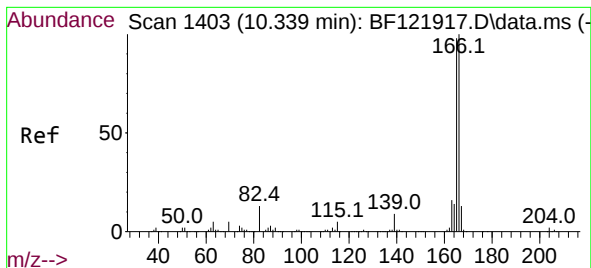
Tgt Ion:139 Resp: 7632
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 6.46 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:165 Resp: 28657
Ion Ratio Lower Upper
165 100
63 1.8 41.3 61.9#
89 1.1 61.8 92.8#
182 0.0 2.1 3.1#

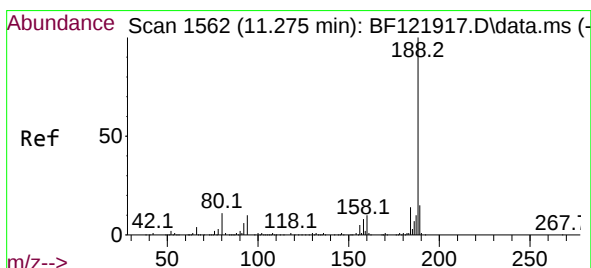
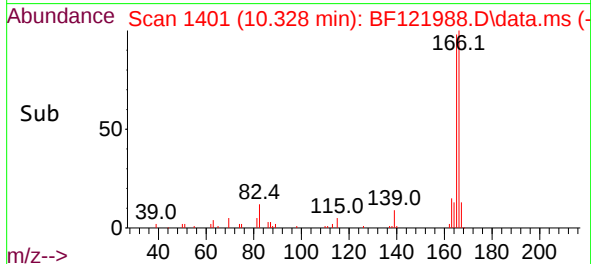
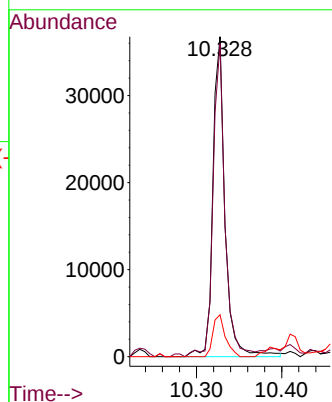
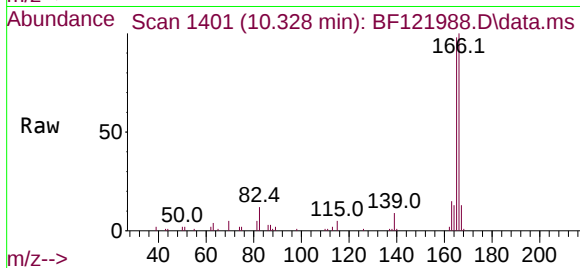




#58
Fluorene
Concen: 2.38 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

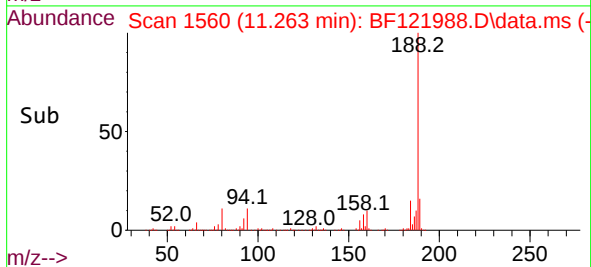
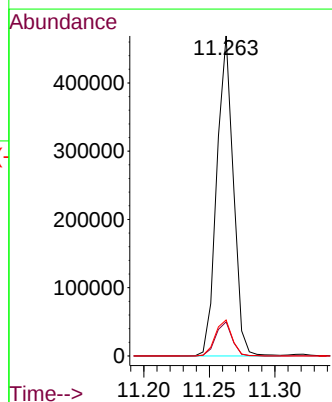
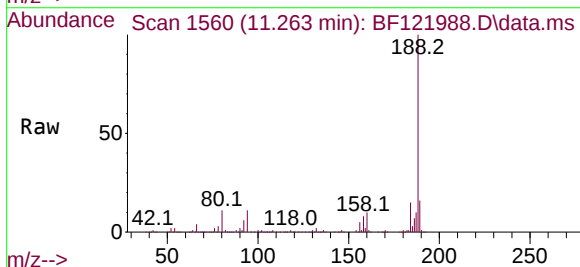
Instrument :
BNA_F
ClientSampled :
BG-3DL

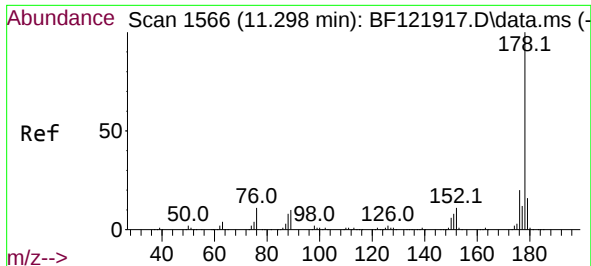
Tgt Ion:166 Resp: 36341
Ion Ratio Lower Upper
166 100
165 97.8 79.1 118.7
167 13.1 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:188 Resp: 410904
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.2 9.1 13.7

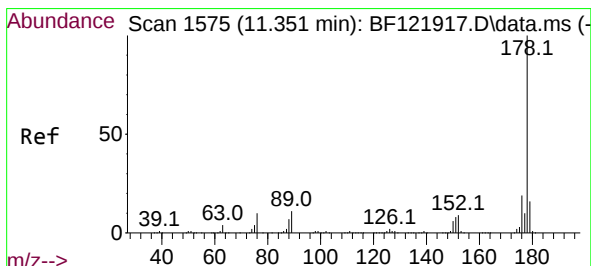
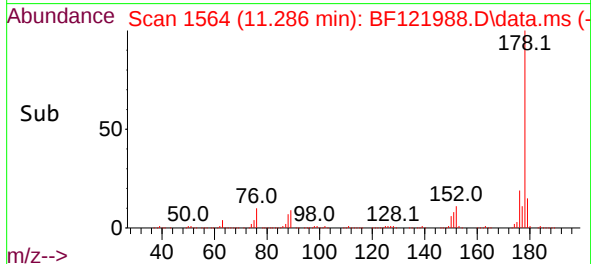
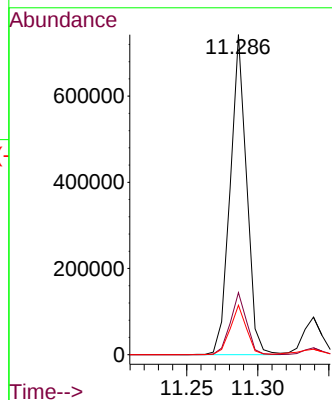
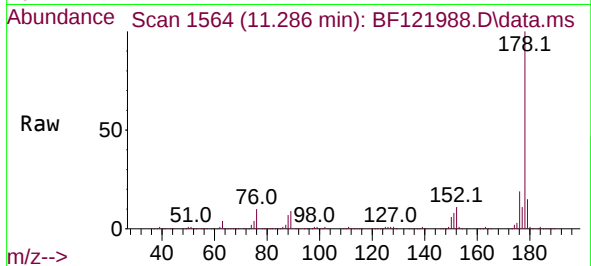




#71
Phenanthrene
Concen: 26.58 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

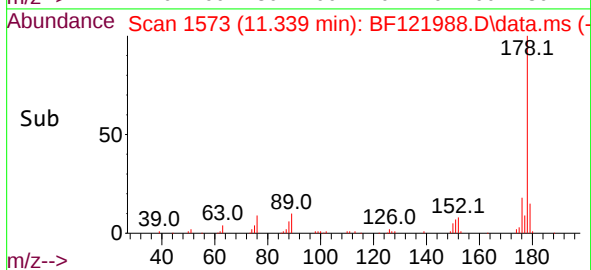
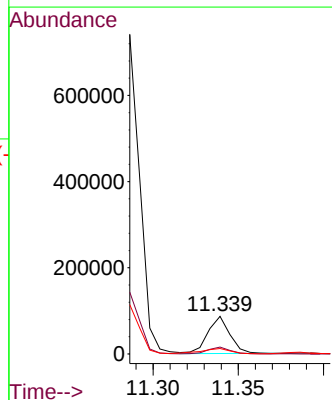
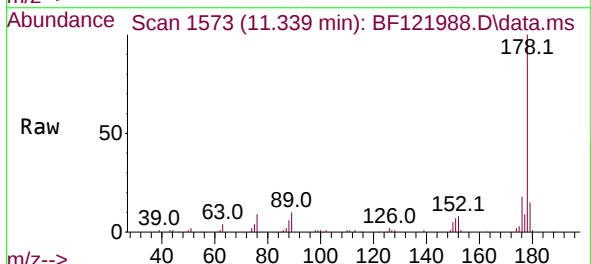
Instrument :
BNA_F
ClientSampleId :
BG-3DL

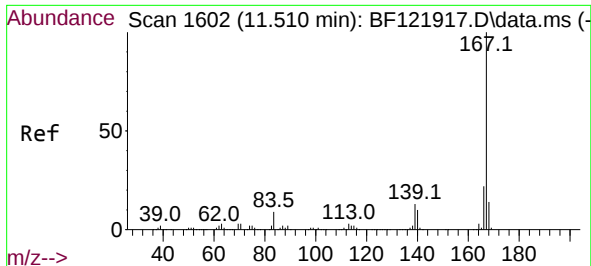
Tgt Ion:178 Resp: 598757
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.5 12.2 18.4



#72
Anthracene
Concen: 3.33 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:178 Resp: 77802
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.6 12.7 19.1

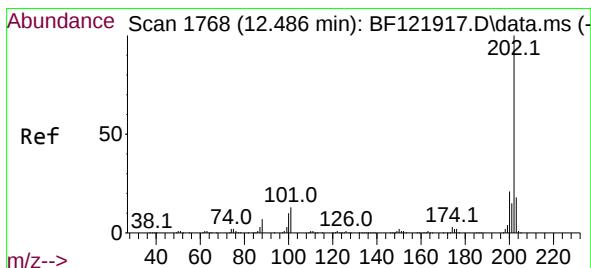
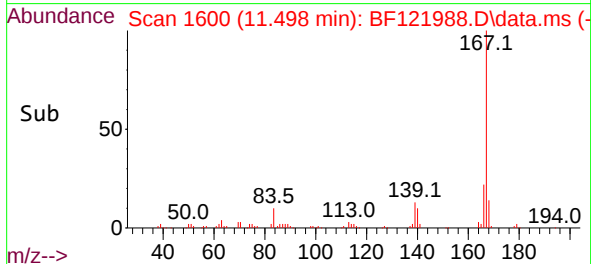
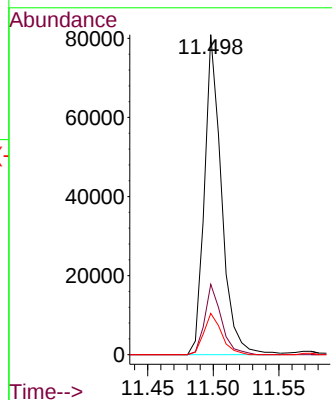
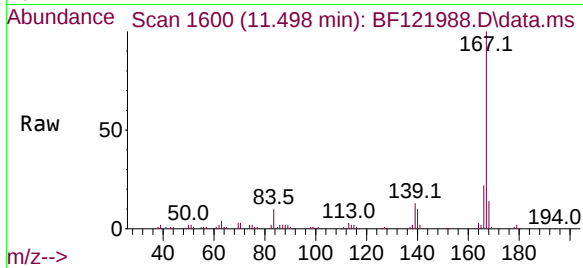




#73
 Carbazole
 Concen: 3.54 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF121988.D
 Acq: 15 Oct 2020 13:35

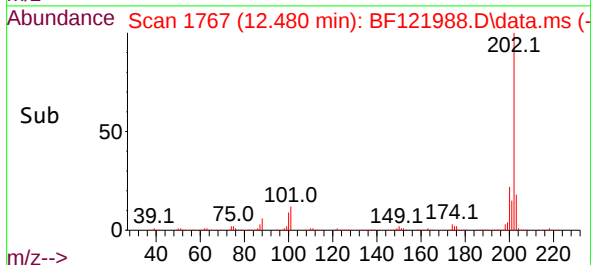
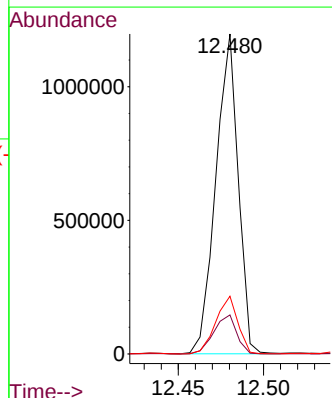
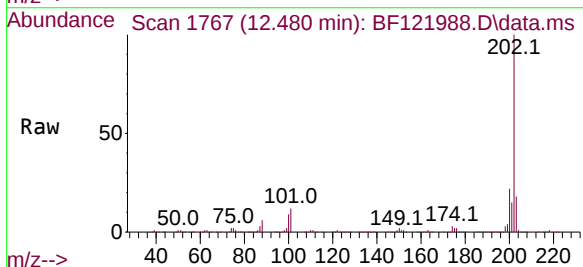
Instrument :
 BNA_F
 ClientSampleId :
 BG-3DL

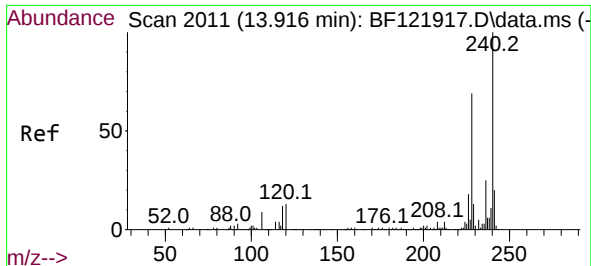
Tgt Ion:167 Resp: 73495
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.6
 139 12.9 10.8 16.2



#75
 Fluoranthene
 Concen: 45.27 ng
 RT: 12.480 min Scan# 1767
 Delta R.T. 0.000 min
 Lab File: BF121988.D
 Acq: 15 Oct 2020 13:35

Tgt Ion:202 Resp: 1093616
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.4
 203 18.1 0.0 37.9

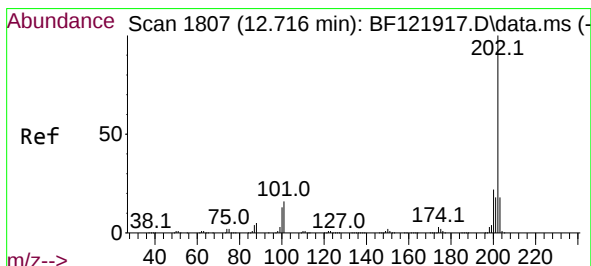
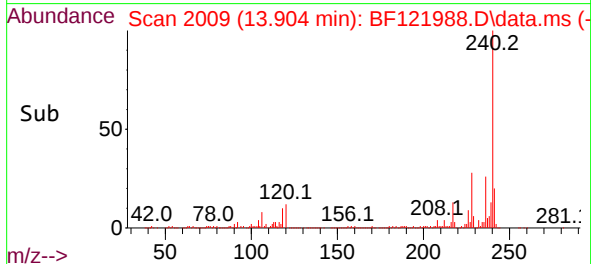
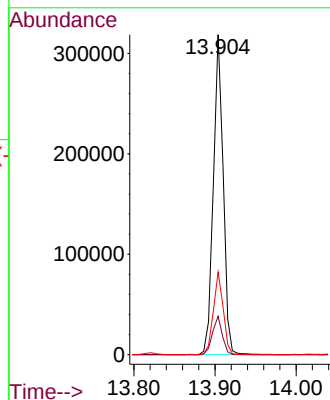
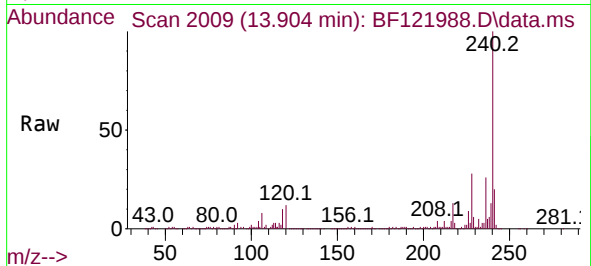




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

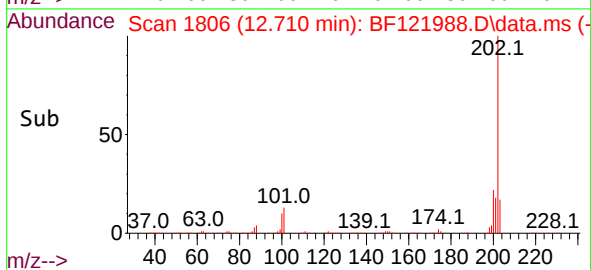
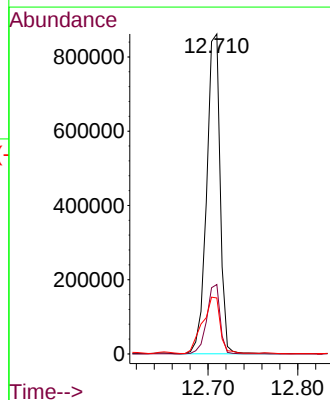
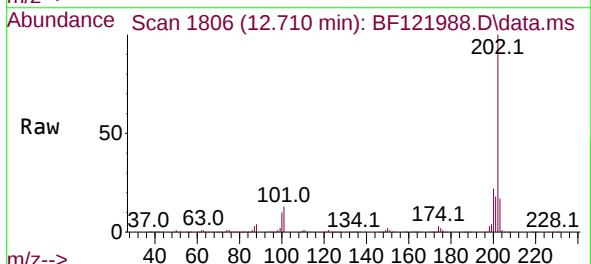
Instrument :
BNA_F
ClientSampleId :
BG-3DL

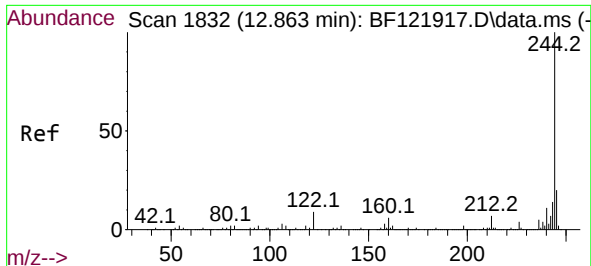
Tgt Ion:240 Resp: 267925
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.8 20.9 31.3



#78
Pyrene
Concen: 43.83 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

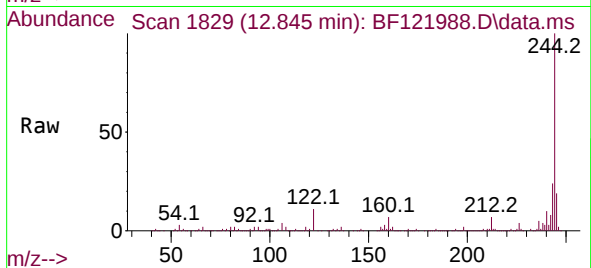
Tgt Ion:202 Resp: 894842
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.5 14.6 21.8



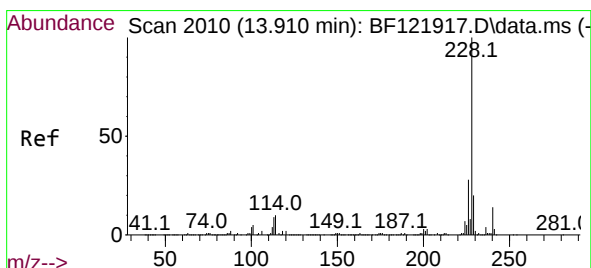
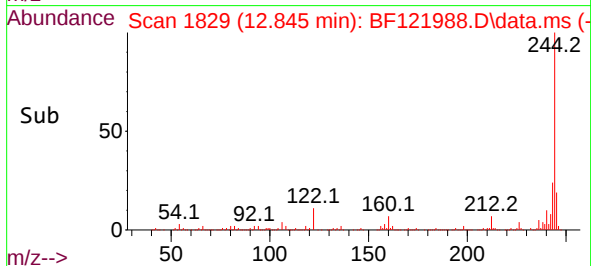
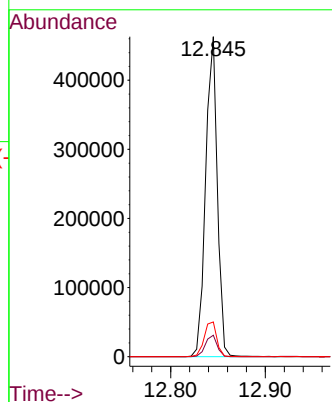


#79
 Terphenyl-d14
 Concen: 28.06 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF121988.D
 Acq: 15 Oct 2020 13:35

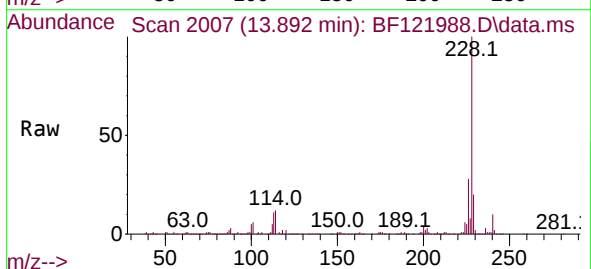
Instrument :
 BNA_F
 ClientSampled :
 BG-3DL



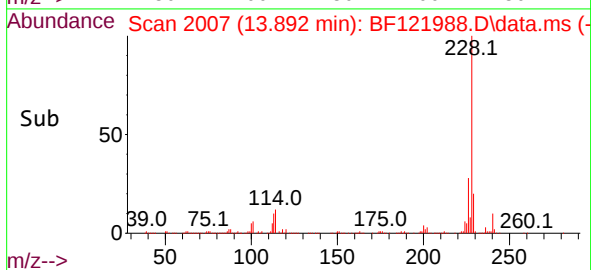
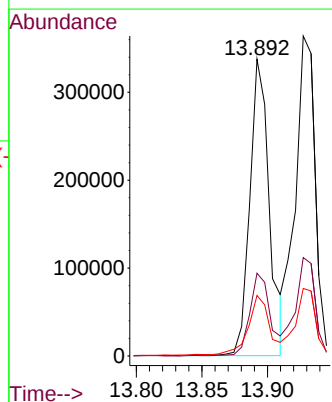
Tgt Ion:244 Resp: 394495
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.8 8.1 12.1

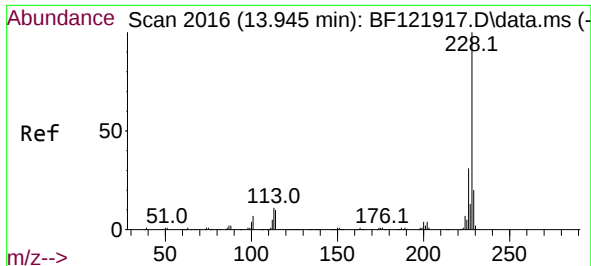


#81
 Benzo(a)anthracene
 Concen: 19.89 ng
 RT: 13.892 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF121988.D
 Acq: 15 Oct 2020 13:35



Tgt Ion:228 Resp: 349158
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.3 33.5
 229 20.4 16.2 24.4

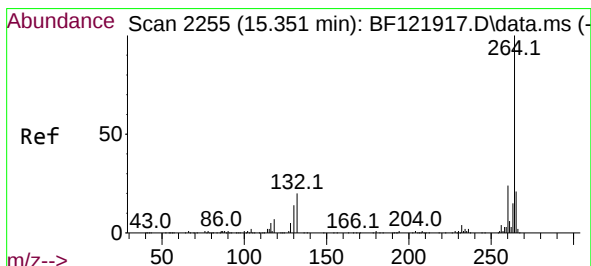
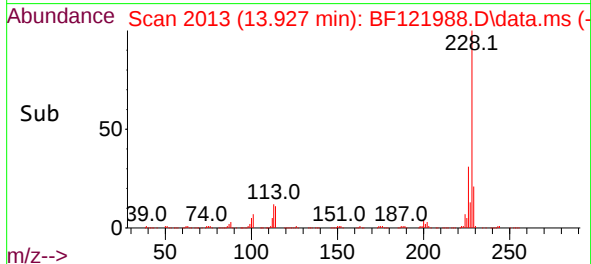
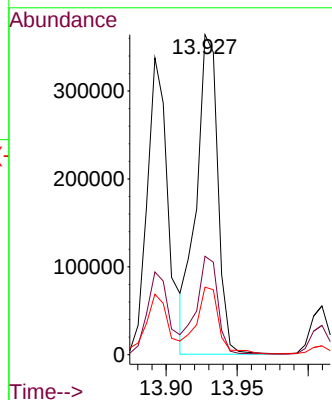
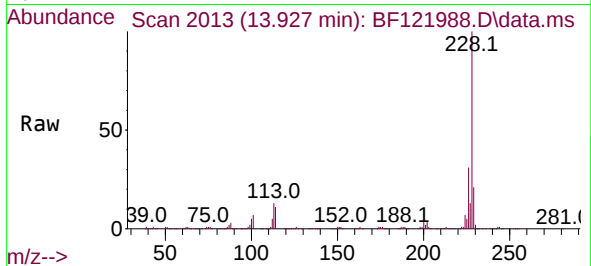




#83
Chrysene
Concen: 22.35 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

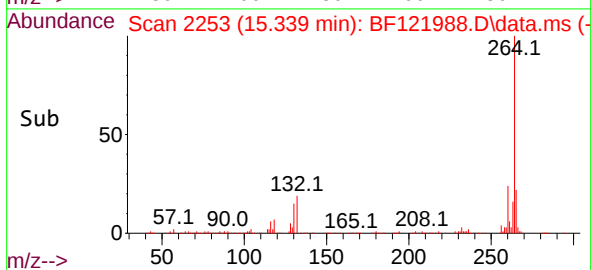
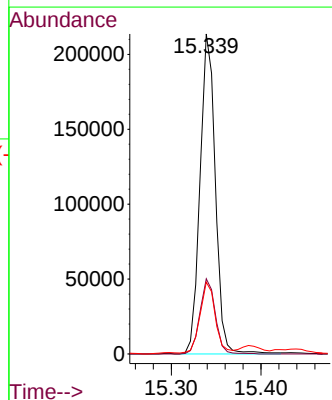
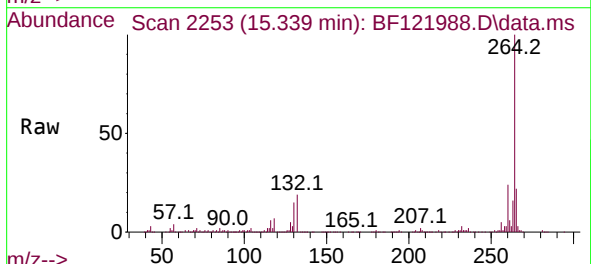
Instrument :
BNA_F
ClientSampleId :
BG-3DL

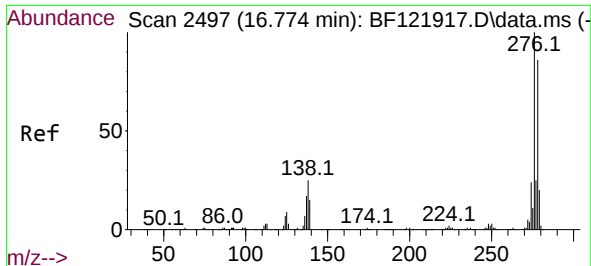
Tgt Ion:228 Resp: 385245
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 21.1 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:264 Resp: 253801
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.4 17.3 25.9

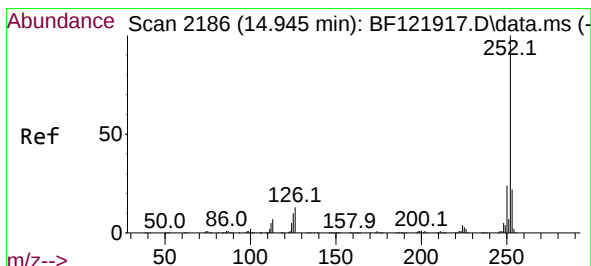
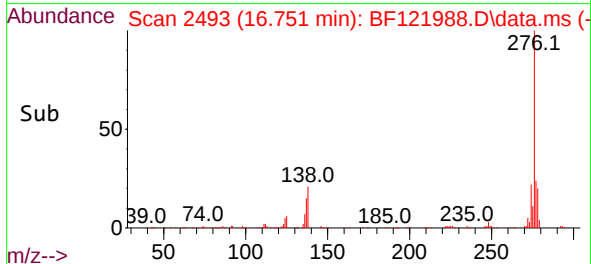
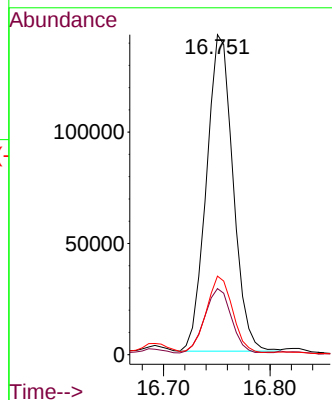
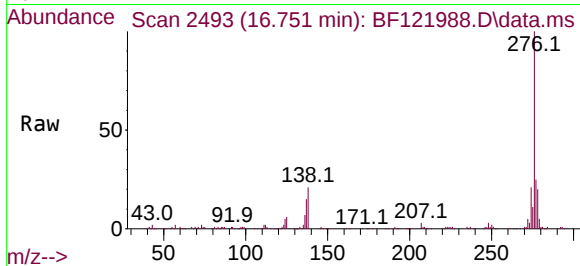




#87
Indeno(1,2,3-cd)pyrene
Concen: 15.00 ng
RT: 16.751 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

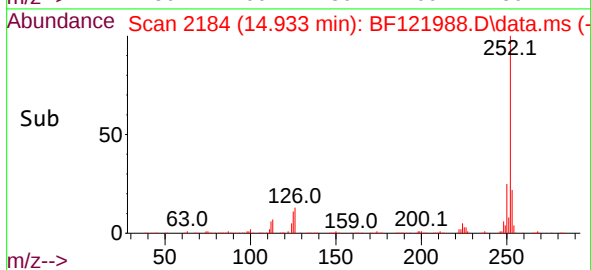
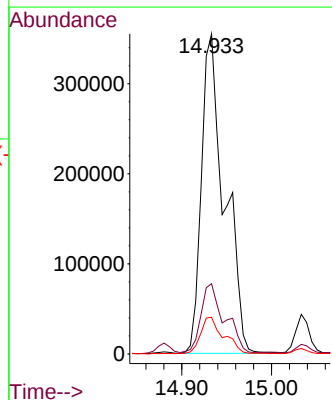
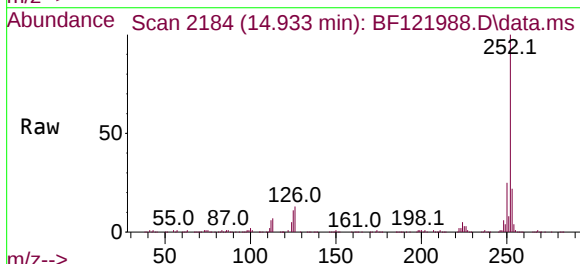
Instrument :
BNA_F
ClientSampled :
BG-3DL

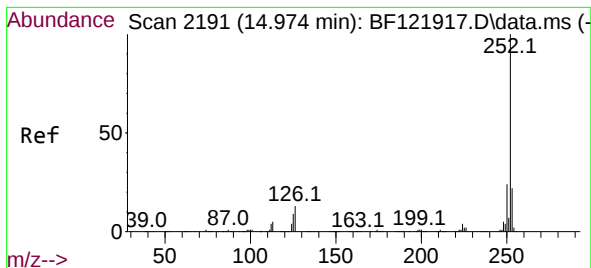
Tgt Ion:276 Resp: 247201
Ion Ratio Lower Upper
276 100
138 21.5 19.9 29.9
277 23.6 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 36.97 ng
RT: 14.933 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Tgt Ion:252 Resp: 634246
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 11.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 38.92 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.029 min

Lab File: BF121988.D

Acq: 15 Oct 2020 13:35

Tgt Ion:252 Resp: 634246

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

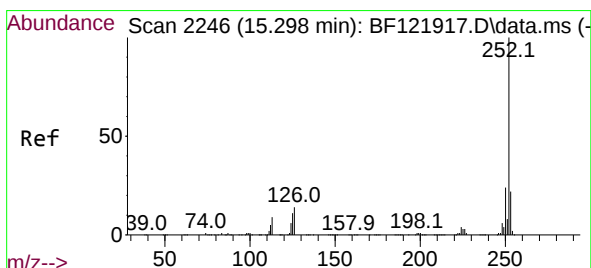
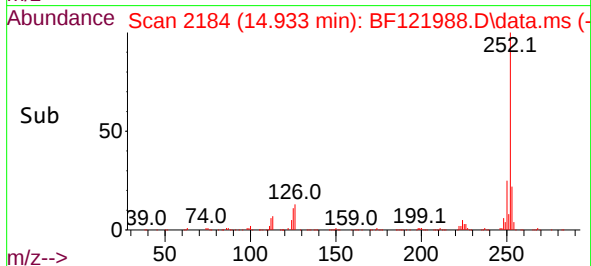
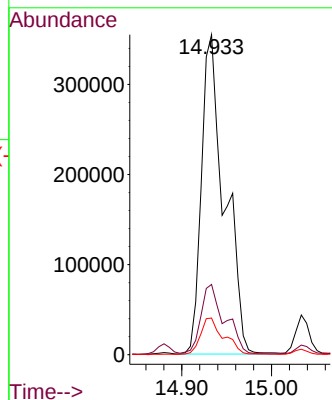
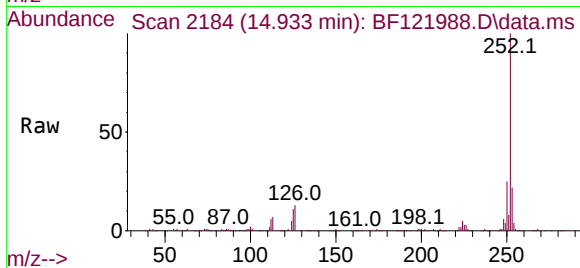
125 11.4 7.7 11.5

Instrument :

BNA_F

ClientSampleId :

BG-3DL



#90

Benzo(a)pyrene

Concen: 20.43 ng

RT: 15.280 min Scan# 2243

Delta R.T. -0.006 min

Lab File: BF121988.D

Acq: 15 Oct 2020 13:35

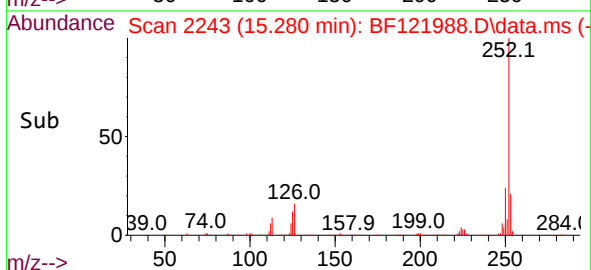
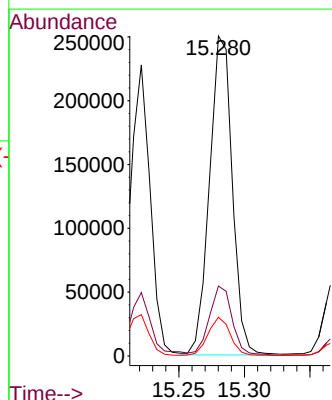
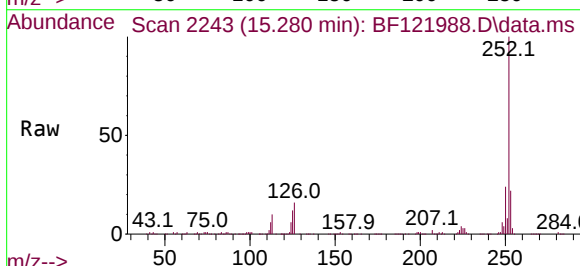
Tgt Ion:252 Resp: 302719

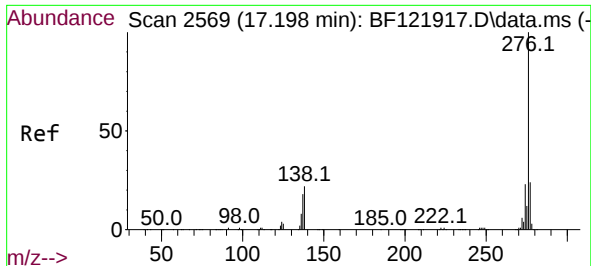
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

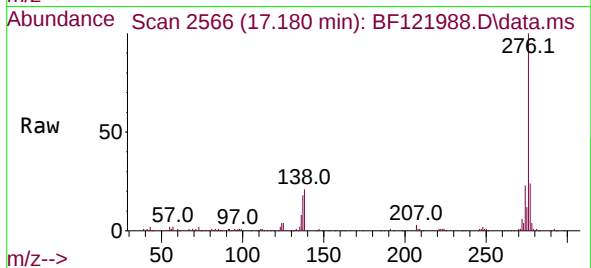
125 12.1 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 18.99 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BF121988.D
Acq: 15 Oct 2020 13:35

Instrument :
BNA_F
ClientSampleId :
BG-3DL



Tgt Ion:276 Resp: 257925
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.2
138 20.5 17.8 26.6

