

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
 Data File : BF122060.D
 Acq On : 21 Oct 2020 17:44
 Operator : JU/CG
 Sample : L4467-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Quant Time: Oct 21 18:14:47 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)

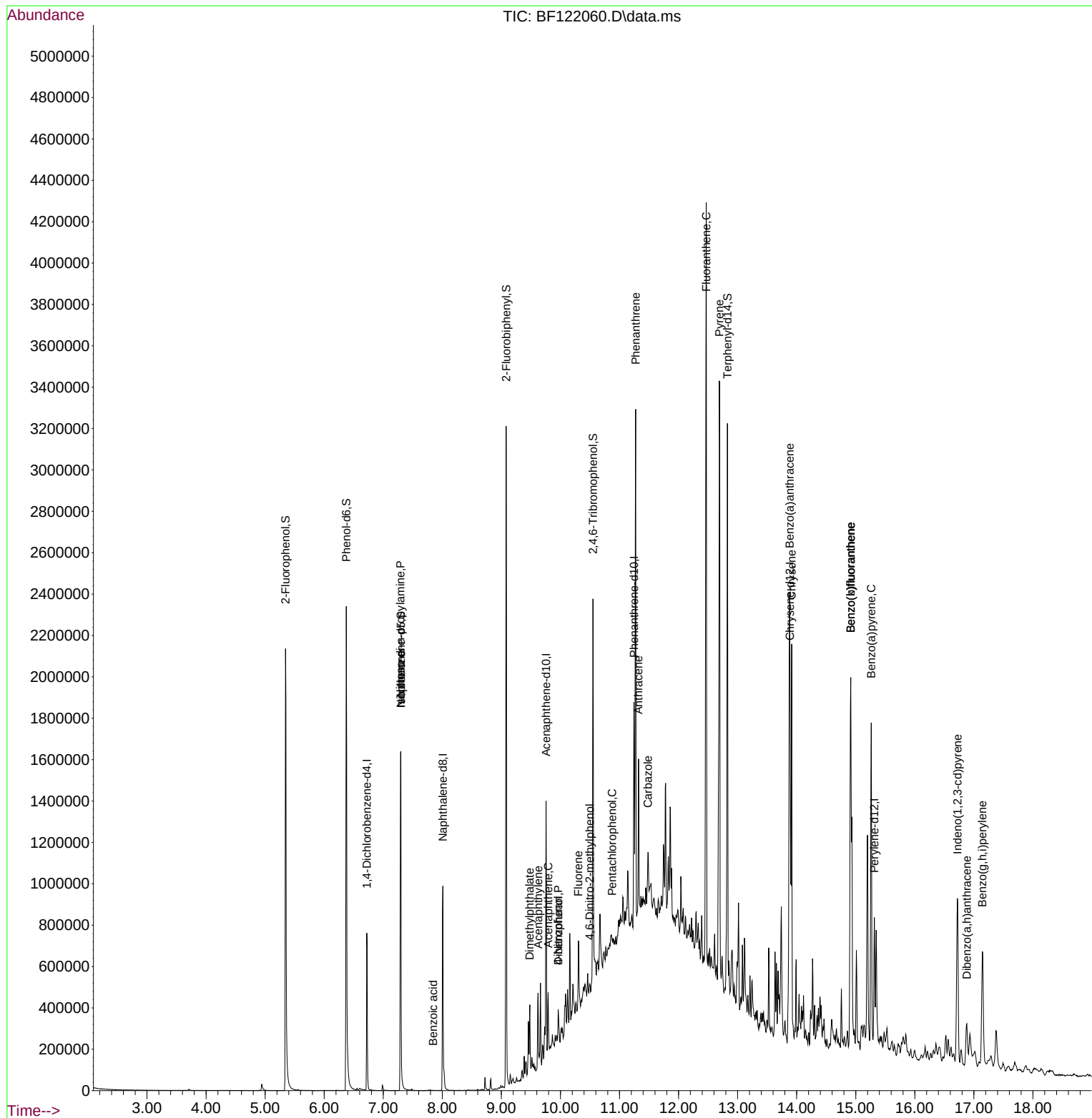
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	115480	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	458488	20.00	ng	0.00
39) Acenaphthene-d10	9.757	164	230738	20.00	ng	0.00
64) Phenanthrene-d10	11.245	188	381617	20.00	ng	0.00
76) Chrysene-d12	13.886	240	247206	20.00	ng	0.00
86) Perylene-d12	15.315	264	257188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	673558	86.09	ng	0.00
7) Phenol-d6	6.375	99	851443	84.53	ng	0.00
23) Nitrobenzene-d5	7.298	82	590126	66.01	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	240833	84.38	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1000412	63.79	ng	0.00
79) Terphenyl-d14	12.827	244	852251	65.70	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	1239	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.292	70	80002	13.95	ng	# 81
25) Isophorone	7.298	82	586473	34.69	ng	# 67
32) Benzoic acid	7.845	122	121	7.71	ng	# 1
49) Acenaphthylene	9.622	152	86813	3.87	ng	98
50) Dimethylphthalate	9.480	163	130398	7.73	ng	100
52) Acenaphthene	9.792	154	44380	3.33	ng	99
55) Dibenzofuran	9.963	168	56801	2.91	ng	97
56) 4-Nitrophenol	9.963	139	21414	9.35	ng	# 30
58) Fluorene	10.304	166	78775	5.02	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	551	4.63	ng	# 1
70) Pentachlorophenol	10.874	266	376	8.12	ng	# 18
71) Phenanthrene	11.274	178	923202	44.12	ng	99
72) Anthracene	11.321	178	284195	13.10	ng	98
73) Carbazole	11.480	167	87538	4.54	ng	98
75) Fluoranthene	12.468	202	1688068	75.24	ng	97
78) Pyrene	12.692	202	1388783	73.72	ng	100
81) Benzo(a)anthracene	13.880	228	858694	53.01	ng	98
83) Chrysene	13.915	228	715309	44.98	ng	98
87) Indeno(1,2,3-cd)pyrene	16.721	276	478529	28.66	ng	94
88) Benzo(b)fluoranthene	14.915	252	1369440	78.77	ng	99
89) Benzo(k)fluoranthene	14.915	252	1369440	82.92	ng	98
90) Benzo(a)pyrene	15.262	252	730808	48.67	ng	97
91) Dibenzo(a,h)anthracene	16.880	278	103732	7.54	ng	97
92) Benzo(g,h,i)perylene	17.145	276	436687	31.73	ng	98

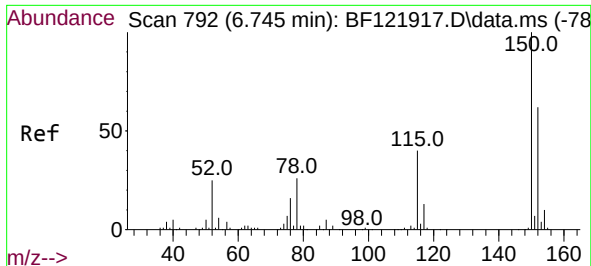
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122060.D
Acq On : 21 Oct 2020 17:44
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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QLast Update : Wed Oct 21 12:04:42 2020
Response via : Initial Calibration

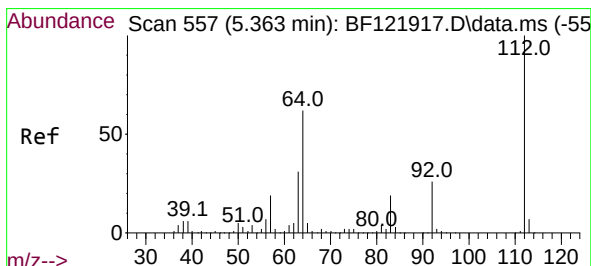
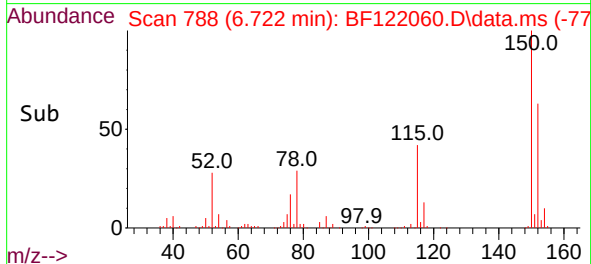
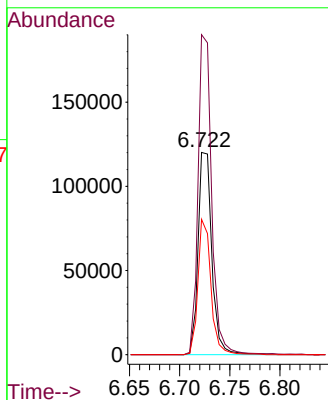
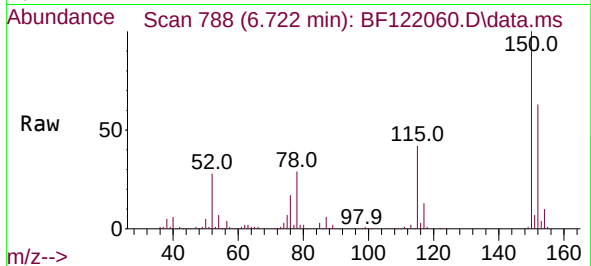




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.722 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

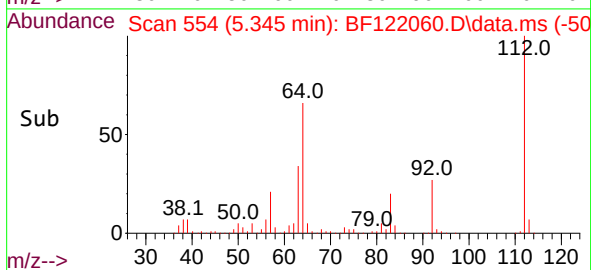
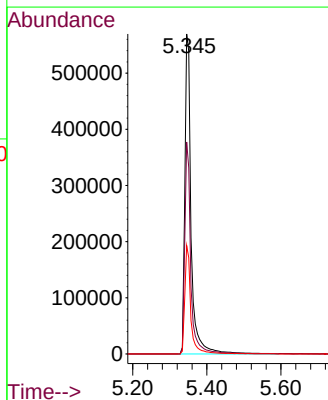
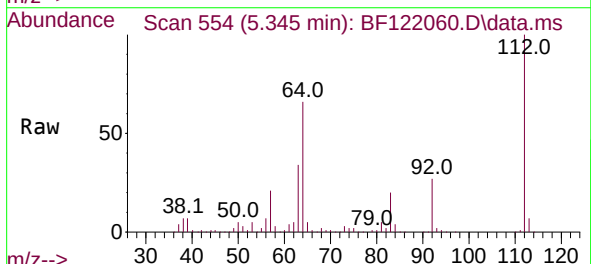
Instrument :
BNA_F
ClientSampleId :
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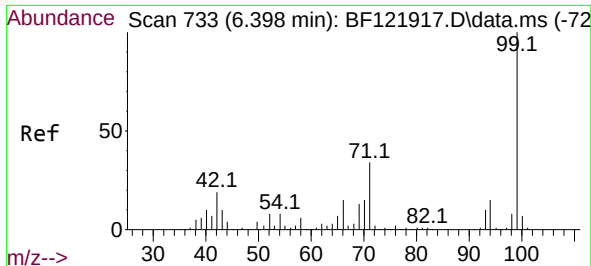
Tgt Ion:152 Resp: 115480
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 66.9 51.9 77.9



#5
2-Fluorophenol
Concen: 86.09 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:112 Resp: 673558
Ion Ratio Lower Upper
112 100
64 66.2 50.4 75.6
63 33.9 25.8 38.6

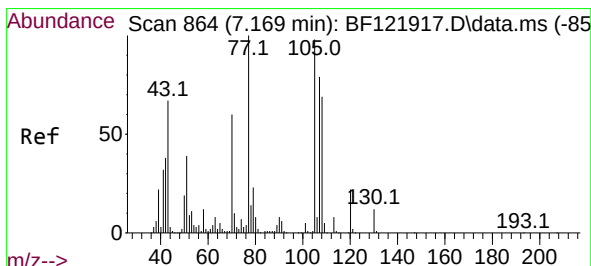
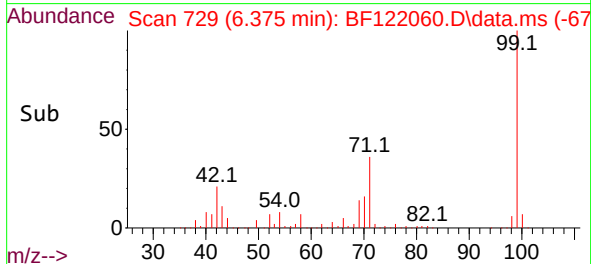
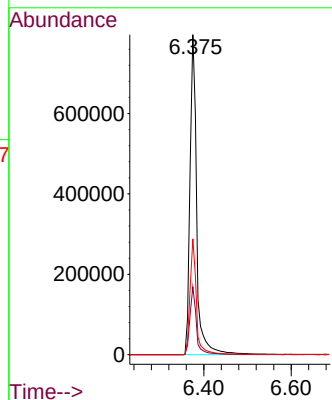
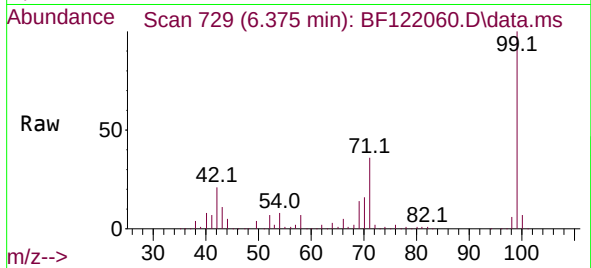




#7
Phenol-d6
Concen: 84.53 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

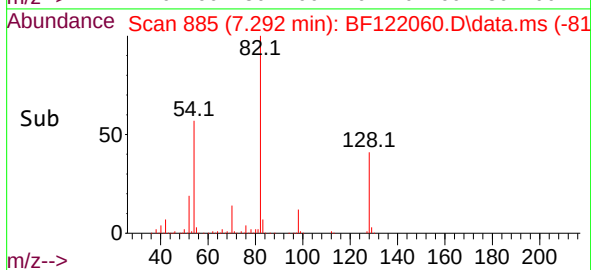
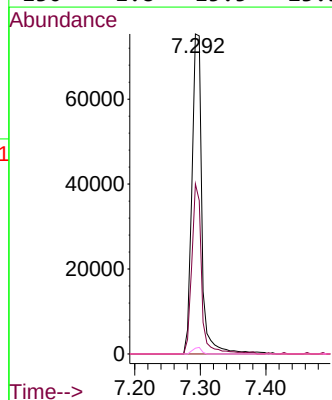
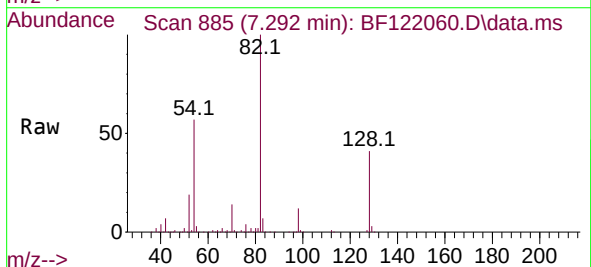
Instrument :
BNA_F
ClientSampleId :
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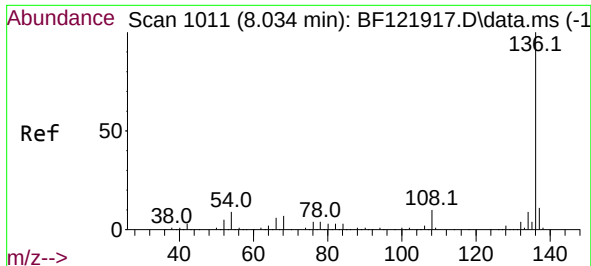
Tgt Ion: 99 Resp: 851443
Ion Ratio Lower Upper
99 100
42 21.2 15.9 23.9
71 36.2 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.95 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

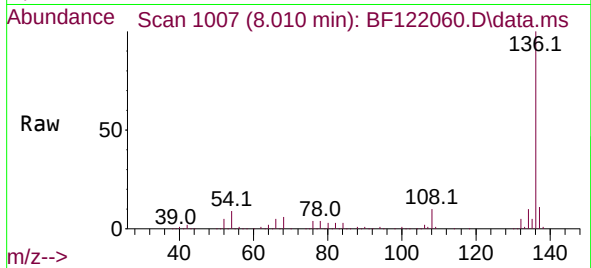
Tgt Ion: 70 Resp: 80002
Ion Ratio Lower Upper
70 100
42 53.2 50.2 75.4
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



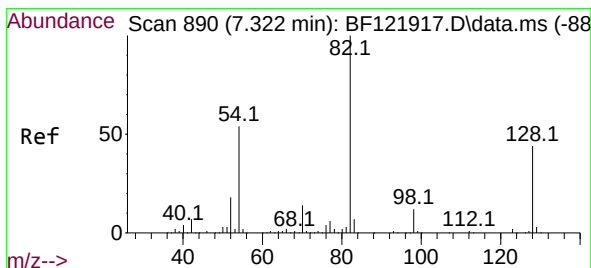
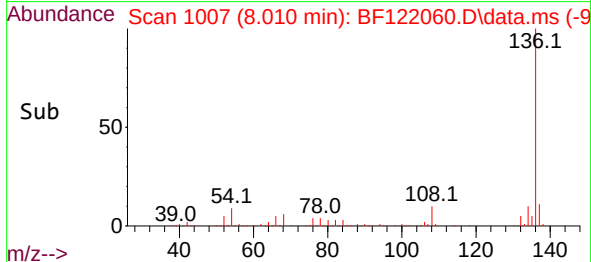
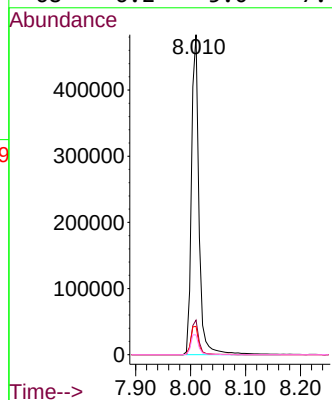


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Instrument :
BNA_F
ClientSampled :
357

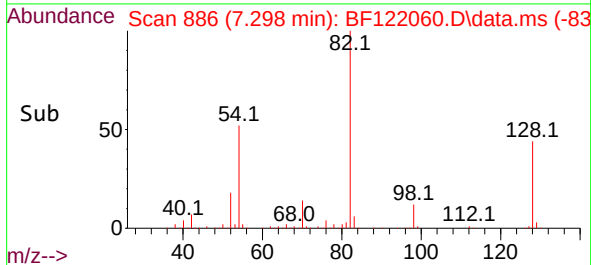
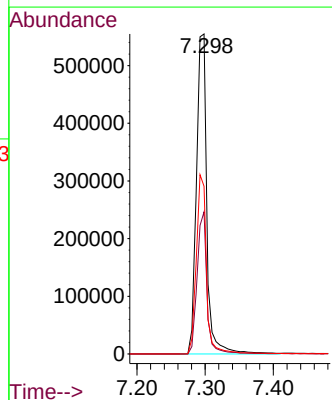
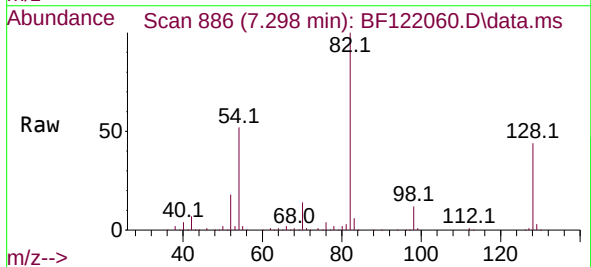


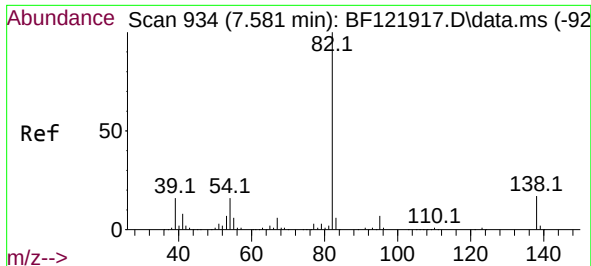
Tgt Ion:136 Resp: 458488
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.1 10.7
68 6.2 5.0 7.4



#23
Nitrobenzene-d5
Concen: 66.01 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion: 82 Resp: 590126
Ion Ratio Lower Upper
82 100
128 44.4 35.0 52.4
54 52.4 43.9 65.9

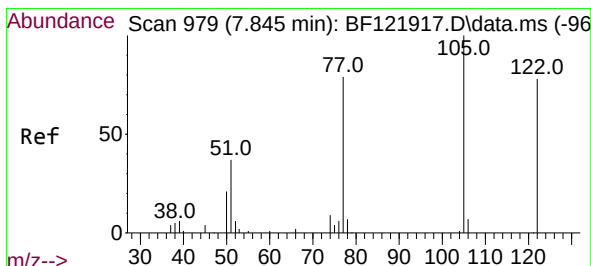
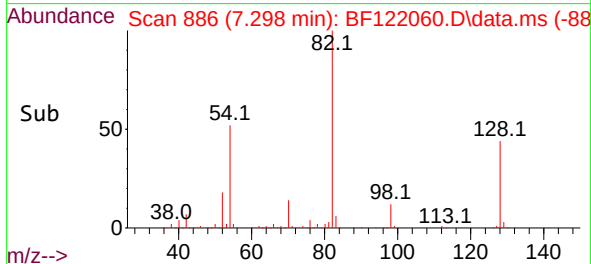
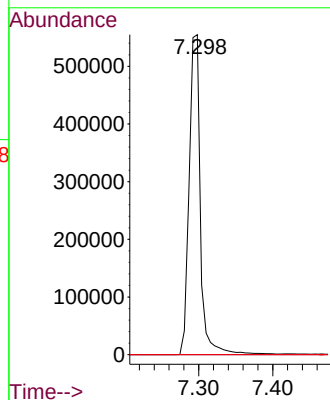
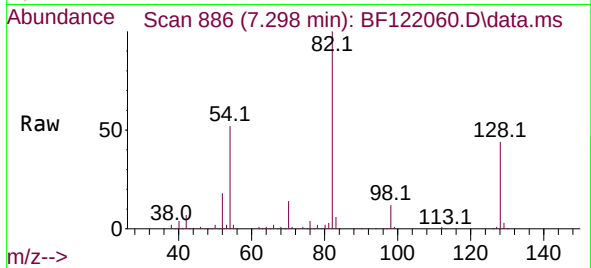




#25
Isophorone
Concen: 34.69 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.265 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

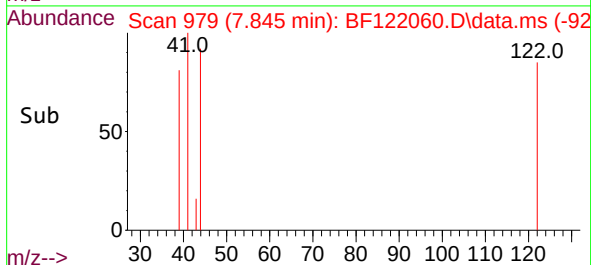
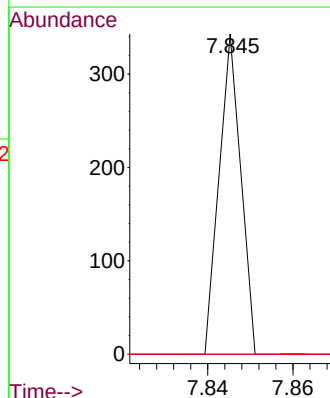
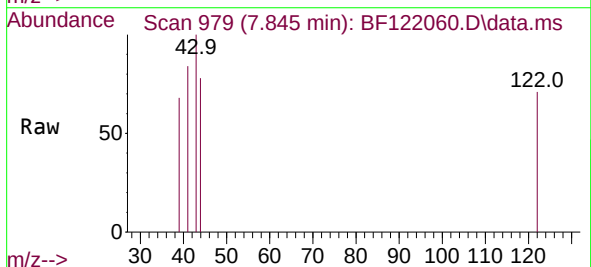
Instrument :
BNA_F
ClientSampled :
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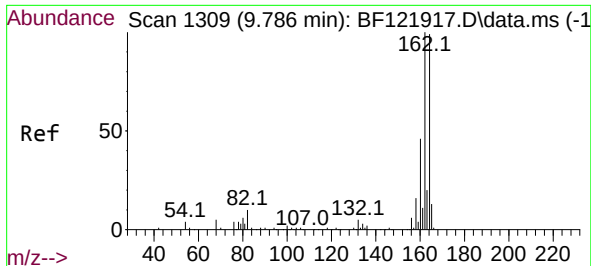
Tgt Ion: 82 Resp: 586473
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.71 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion: 122 Resp: 121
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.9 113.9#

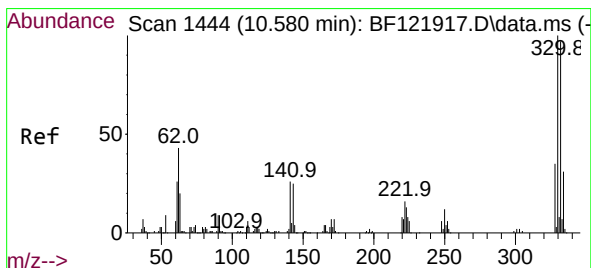
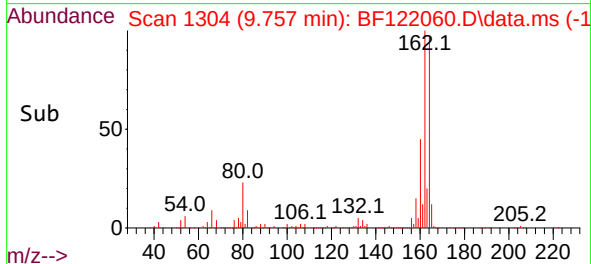
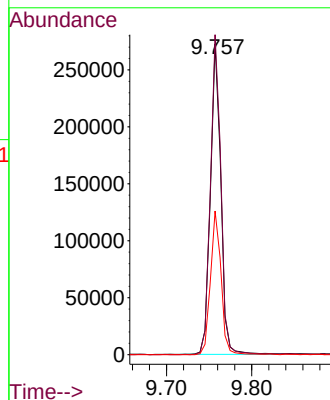
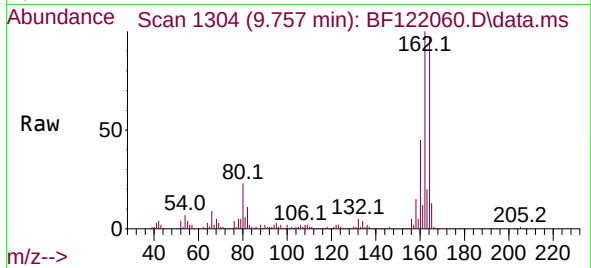




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

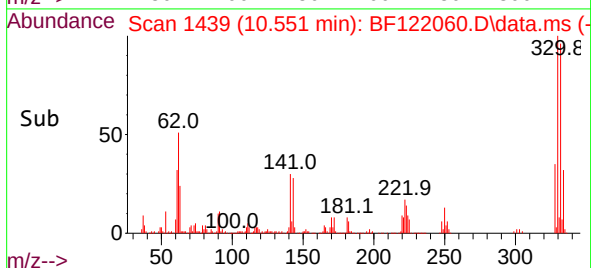
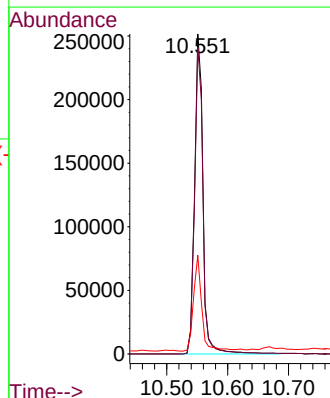
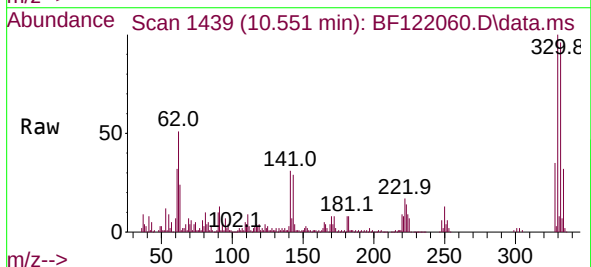
Instrument :
BNA_F
ClientSampled :
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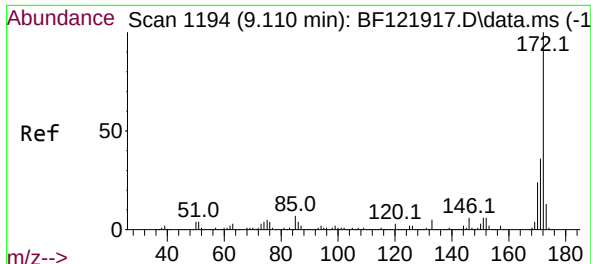
Tgt Ion:164 Resp: 230738
Ion Ratio Lower Upper
164 100
162 102.9 83.2 124.8
160 46.2 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 84.38 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:330 Resp: 240833
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 29.5 22.3 33.5

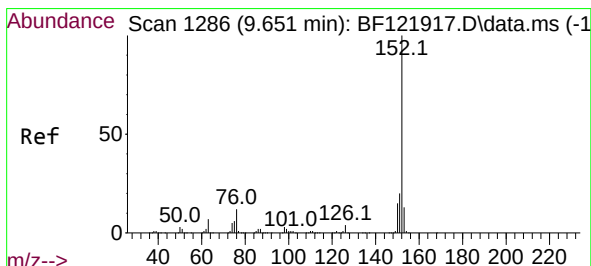
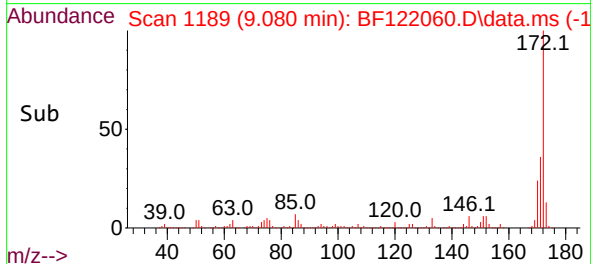
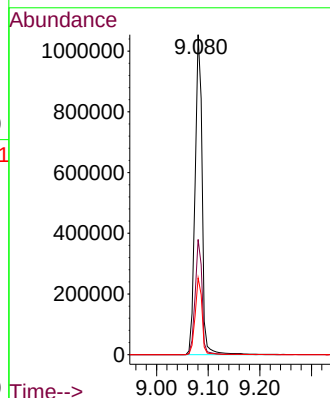
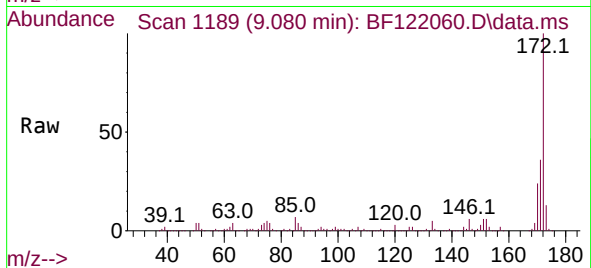




#45
2-Fluorobiphenyl
Concen: 63.79 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

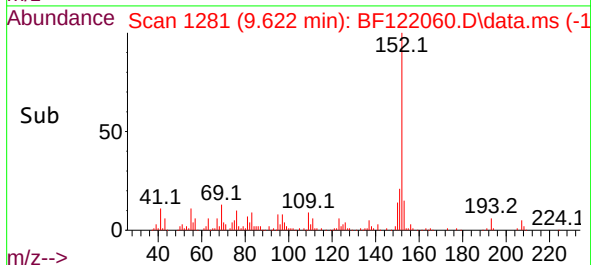
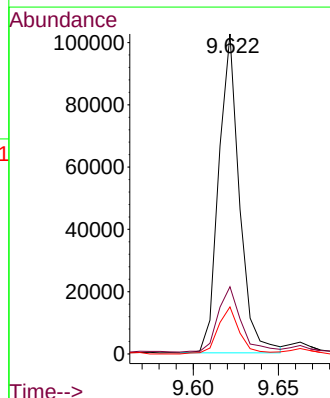
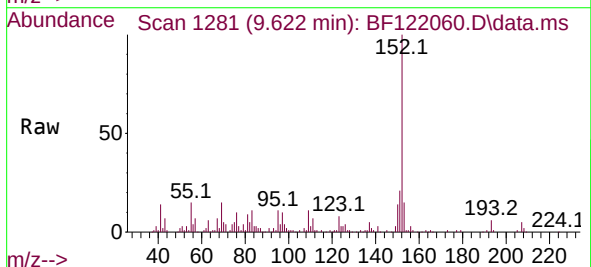
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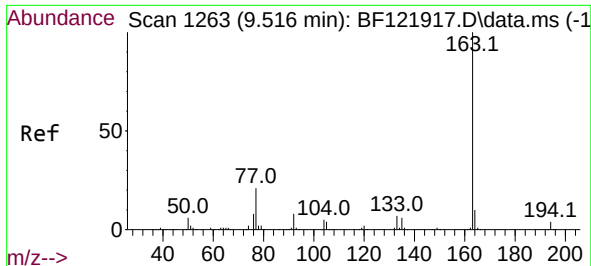
Tgt Ion:172 Resp: 1000412
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 24.0 19.8 29.6



#49
Acenaphthylene
Concen: 3.87 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:152 Resp: 86813
Ion Ratio Lower Upper
152 100
151 21.0 16.4 24.6
153 14.7 10.6 15.8

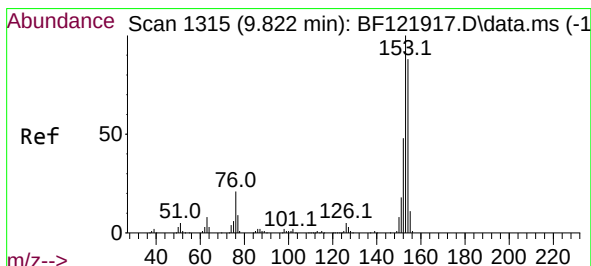
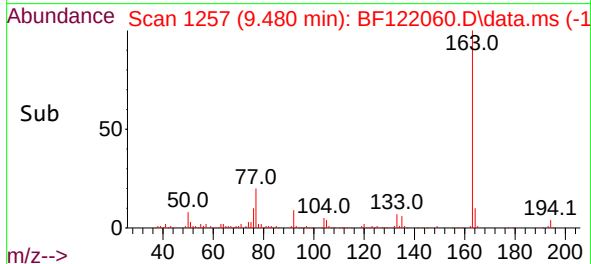
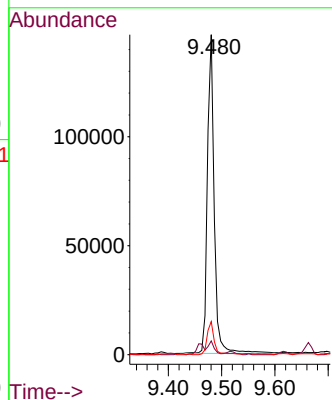
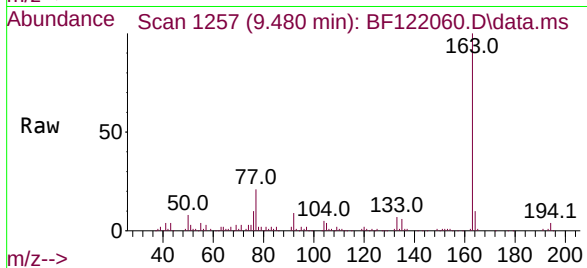




#50
Dimethylphthalate
Concen: 7.73 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

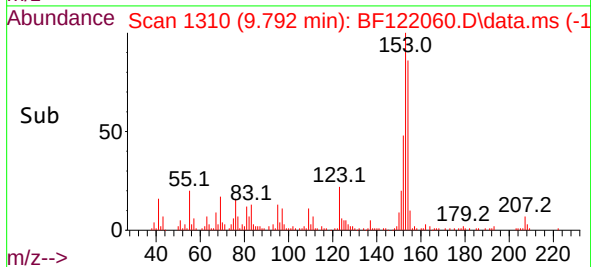
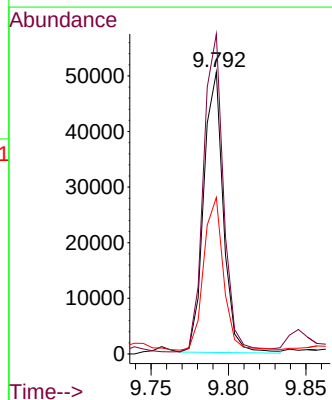
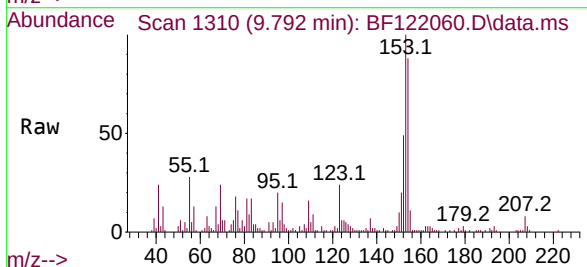
Instrument :
BNA_F
ClientSampleId :
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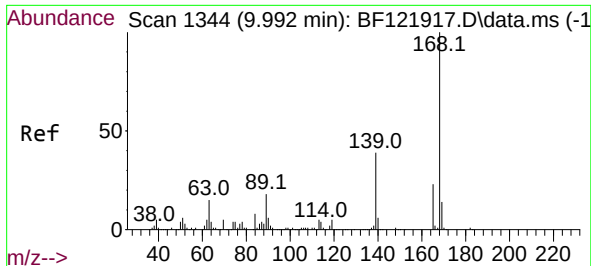
Tgt Ion:163 Resp: 130398
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.3 8.2 12.4



#52
Acenaphthene
Concen: 3.33 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:154 Resp: 44380
Ion Ratio Lower Upper
154 100
153 113.5 89.8 134.8
152 55.5 43.2 64.8

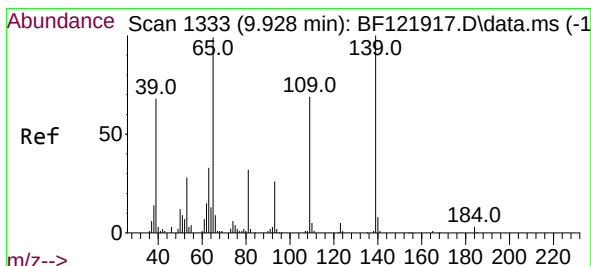
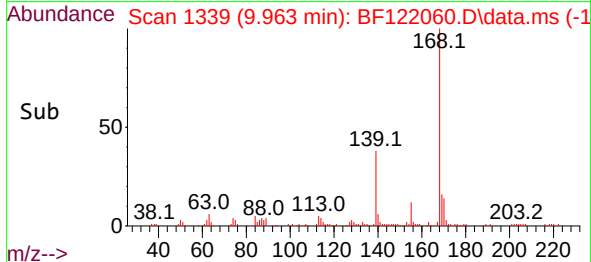
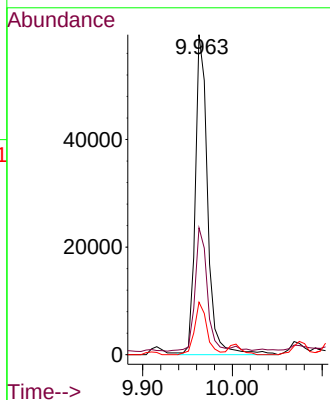
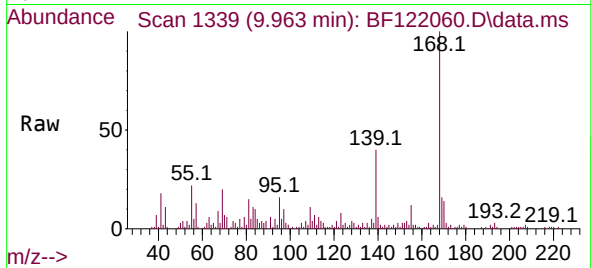




#55
Dibenzenofuran
Concen: 2.91 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

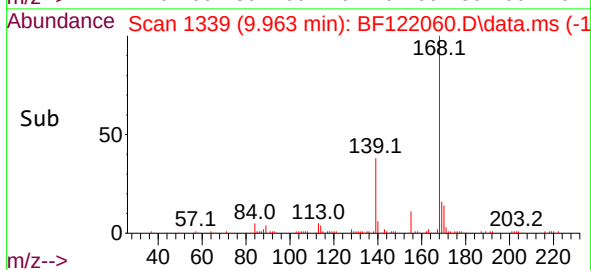
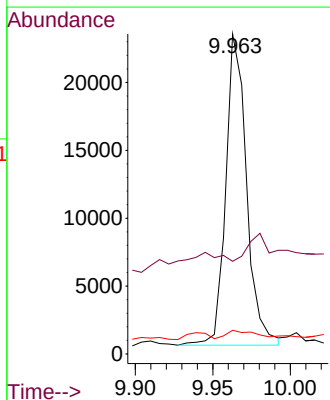
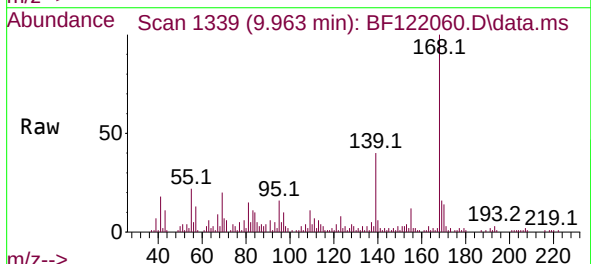
Instrument :
BNA_F
ClientSampled :
357

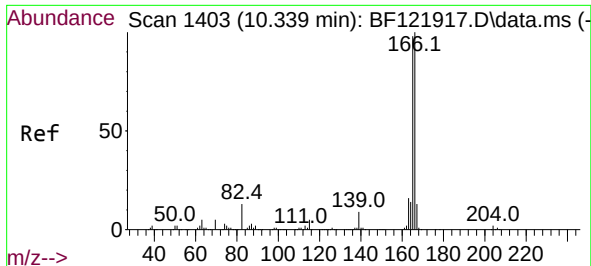
Tgt Ion:168	Resp:	56801
Ion Ratio	Lower	Upper
168	100	
139	39.6	31.0 46.6
169	16.4	11.3 16.9



#56
4-Nitrophenol
Concen: 9.35 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.047 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:139	Resp:	21414
Ion Ratio	Lower	Upper
139	100	
109	29.0	45.4 85.4#
65	7.4	68.4 108.4#

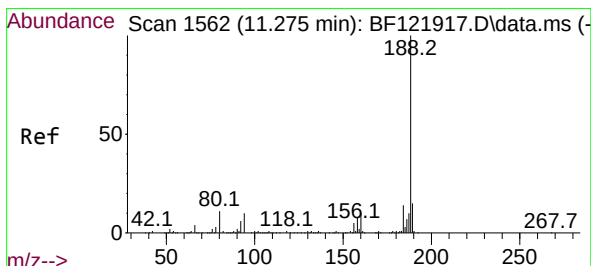
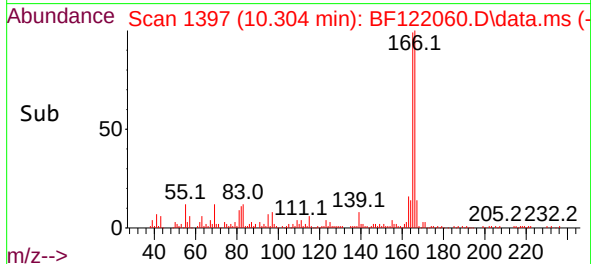
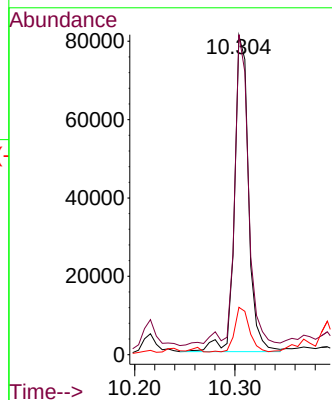
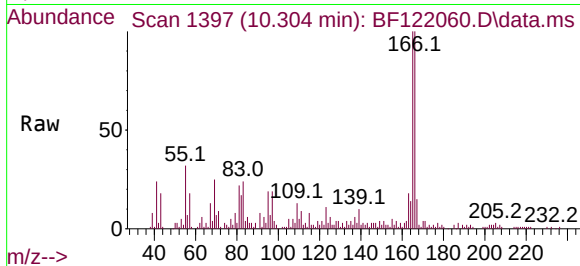




#58
Fluorene
Concen: 5.02 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.012 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

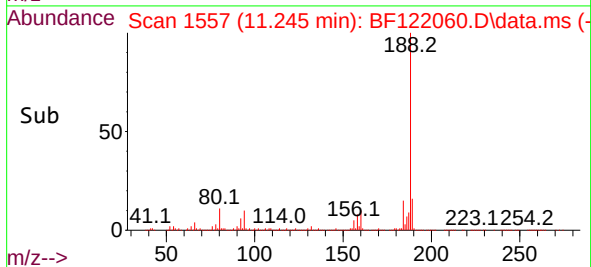
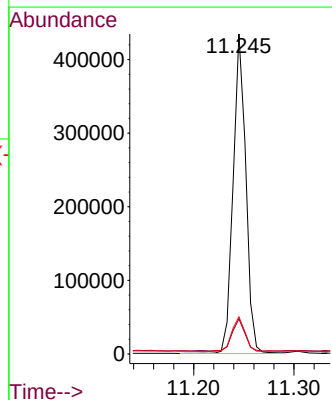
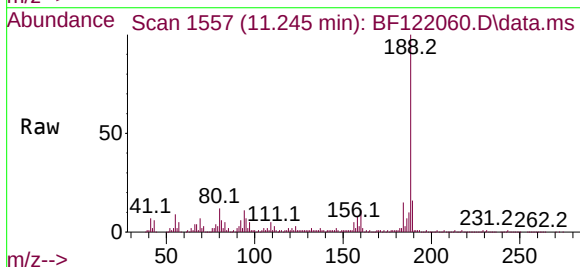
Instrument :
BNA_F
ClientSampled :
357

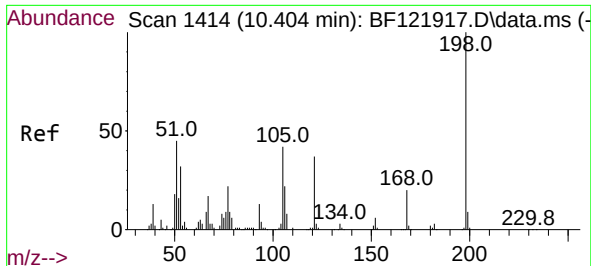
Tgt Ion:166 Resp: 78775
Ion Ratio Lower Upper
166 100
165 100.2 79.1 118.7
167 14.8 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.245 min Scan# 1557
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:188 Resp: 381617
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 11.6 9.1 13.7

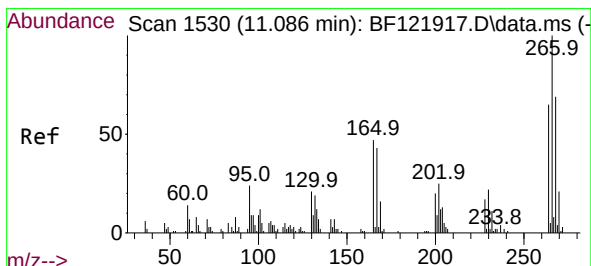
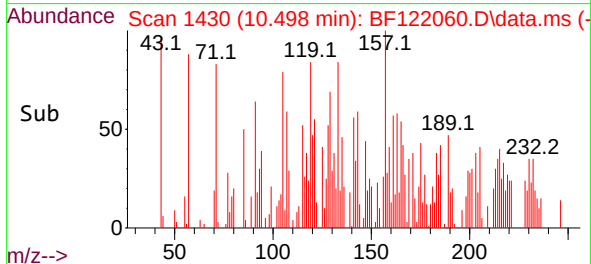
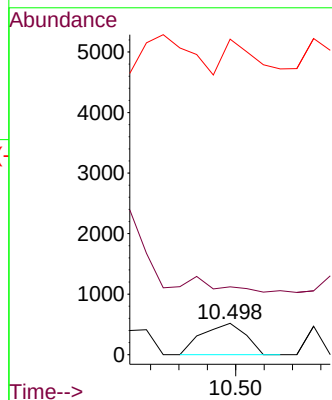
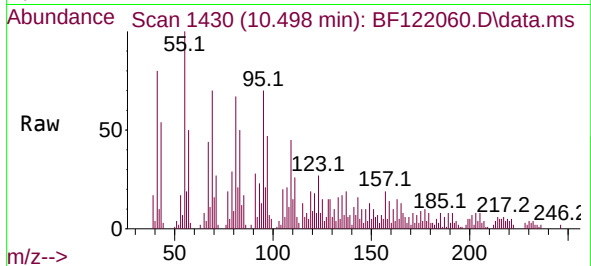




#65
4,6-Dinitro-2-methylphenol
Concen: 4.63 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.112 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

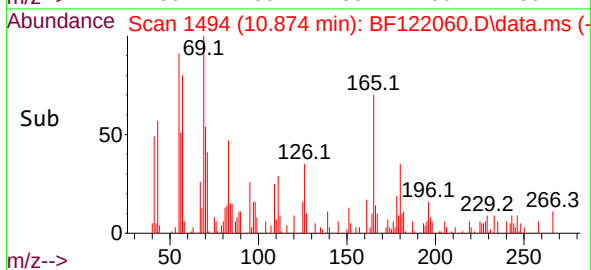
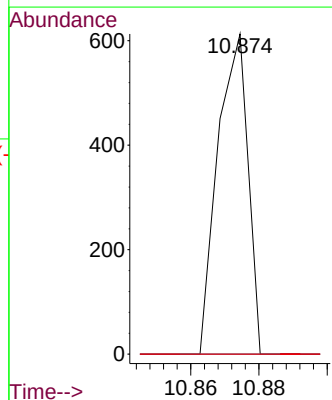
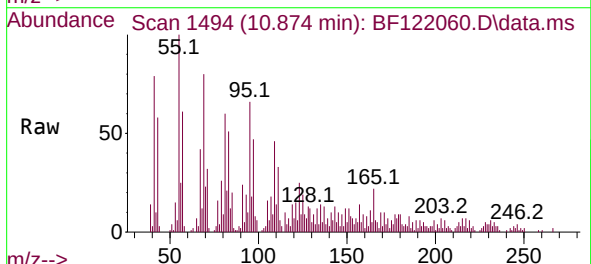
Instrument :
BNA_F
ClientSampled :
357

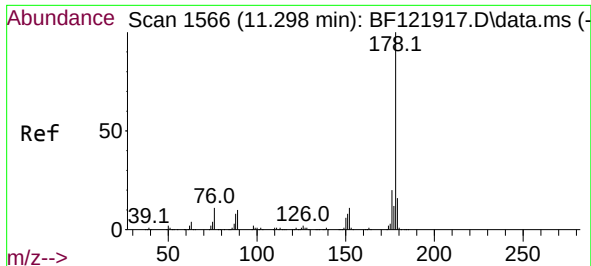
Tgt Ion:198 Resp: 551
Ion Ratio Lower Upper
198 100
51 216.6 29.6 69.6#
105 1008.3 24.4 64.4#



#70
Pentachlorophenol
Concen: 8.12 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.188 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:266 Resp: 376
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 0.0 49.9 74.9#

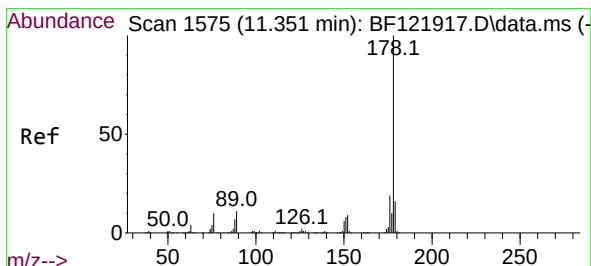
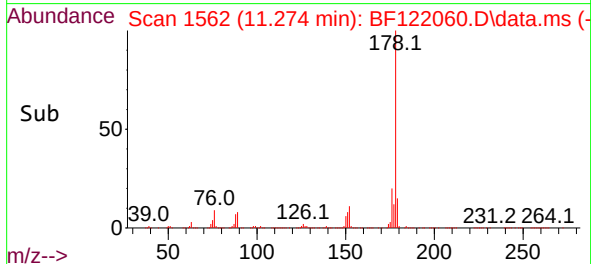
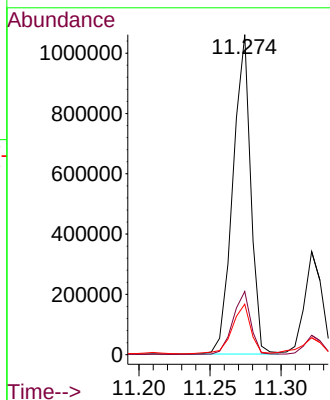
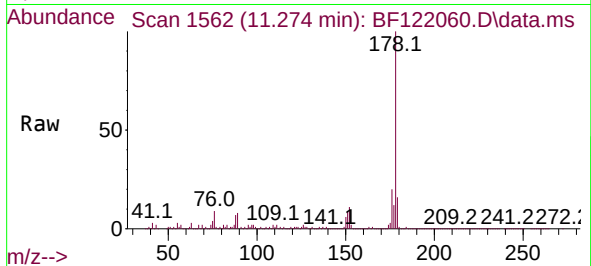




#71
Phenanthrene
Concen: 44.12 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

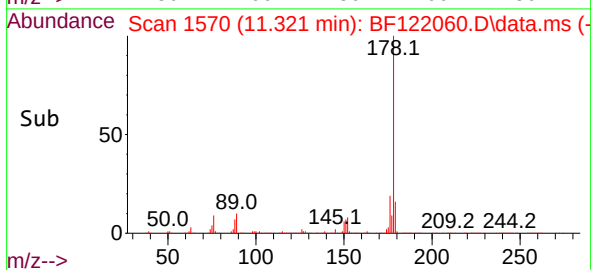
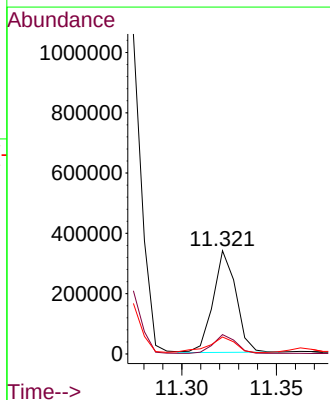
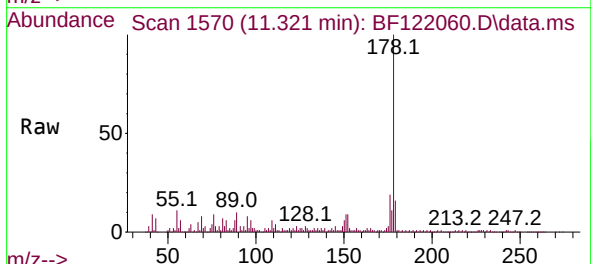
Instrument :
BNA_F
ClientSampleId :
357

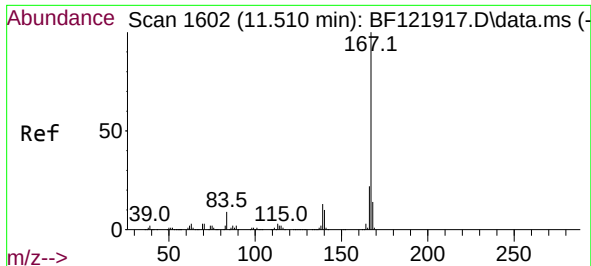
Tgt Ion:178 Resp: 923202
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.8 12.2 18.4



#72
Anthracene
Concen: 13.10 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:178 Resp: 284195
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 16.4 12.7 19.1

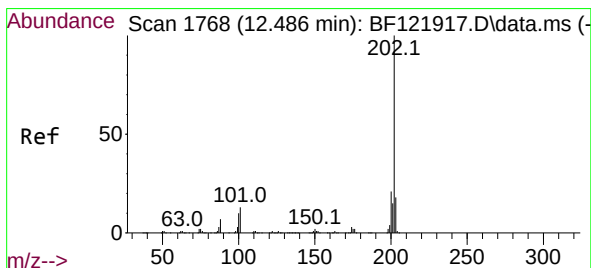
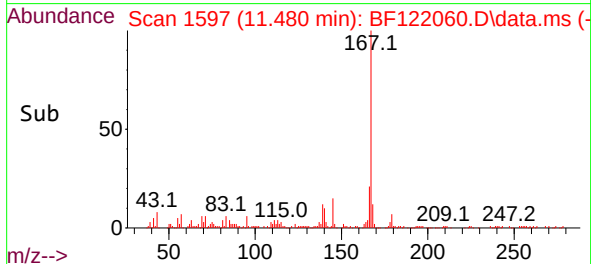
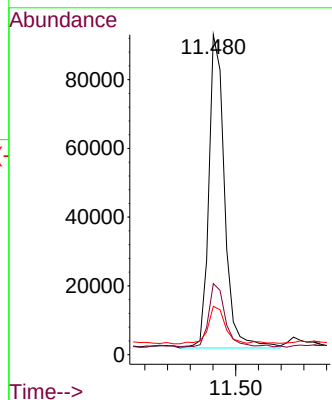
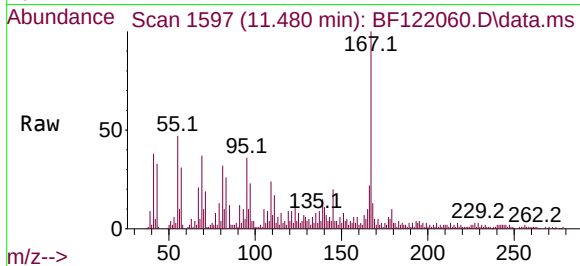




#73
 Carbazole
 Concen: 4.54 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF122060.D
 Acq: 21 Oct 2020 17:44

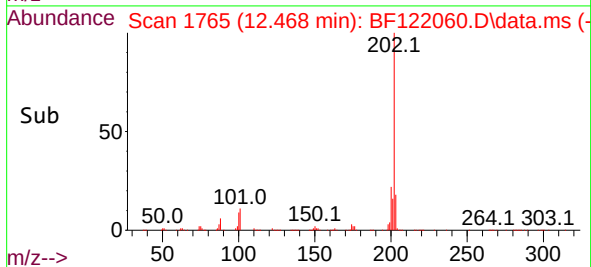
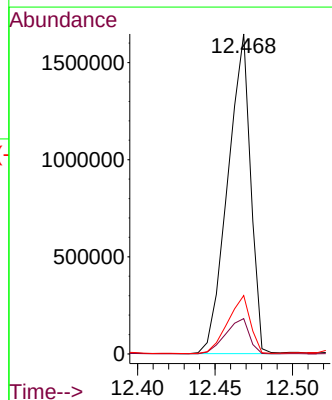
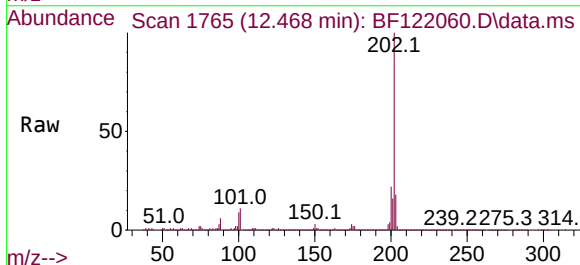
Instrument :
 BNA_F
 ClientSampleId :
 357

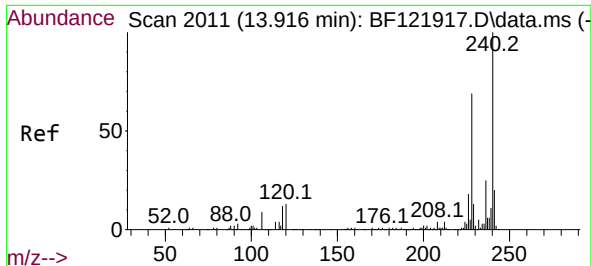
Tgt Ion:	167	Resp:	87538
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.6
139	15.1	10.8	16.2



#75
 Fluoranthene
 Concen: 75.24 ng
 RT: 12.468 min Scan# 1765
 Delta R.T. 0.006 min
 Lab File: BF122060.D
 Acq: 21 Oct 2020 17:44

Tgt Ion:	202	Resp:	1688068
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.4
203	18.3	0.0	37.9

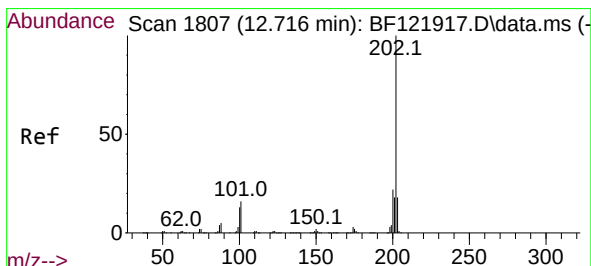
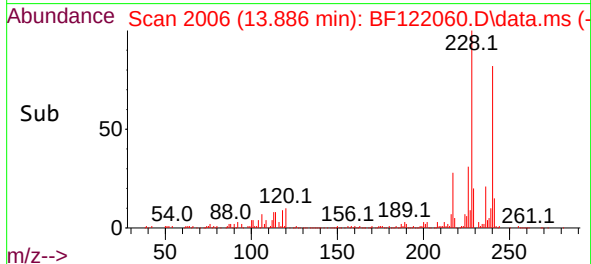
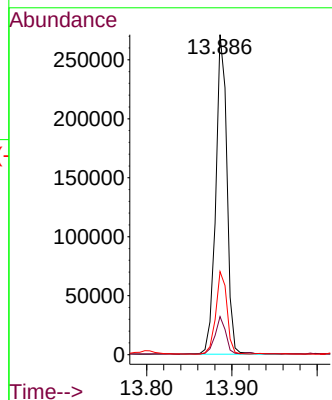
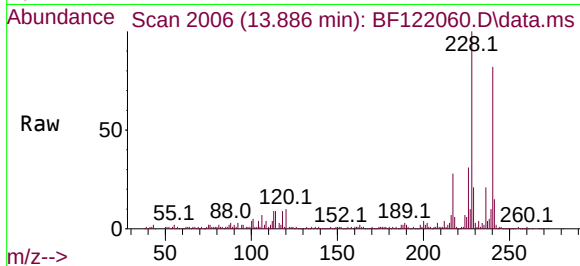




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

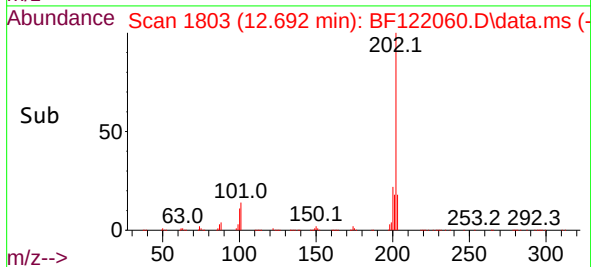
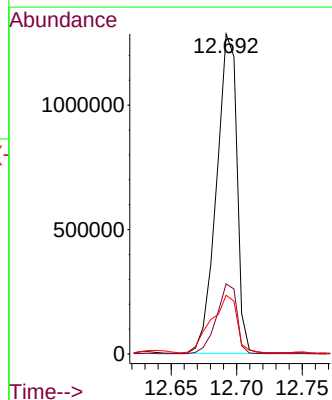
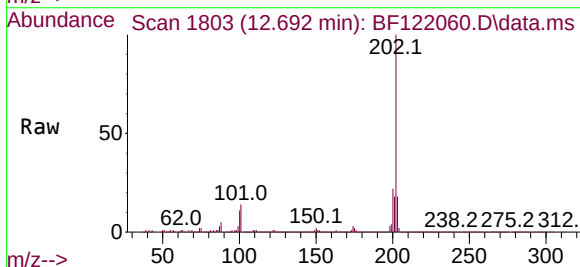
Instrument :
BNA_F
ClientSampleId :
357

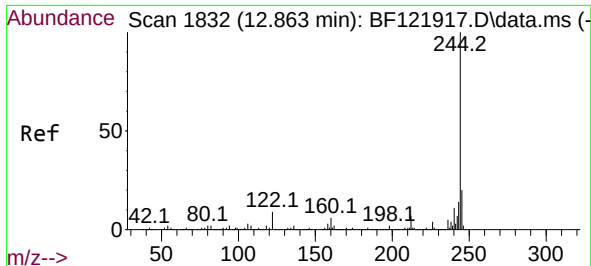
Tgt Ion:240 Resp: 247206
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 26.0 20.9 31.3



#78
Pyrene
Concen: 73.72 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:202 Resp: 1388783
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.4 14.6 21.8

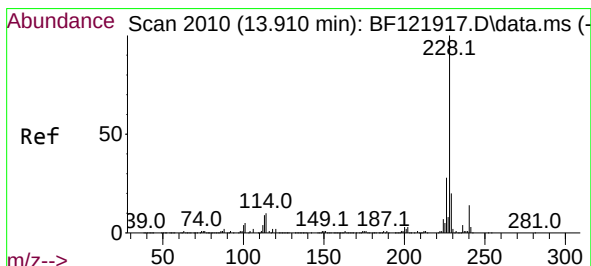
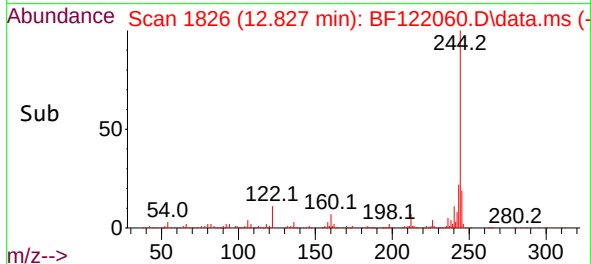
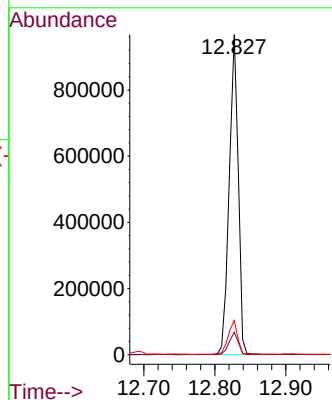
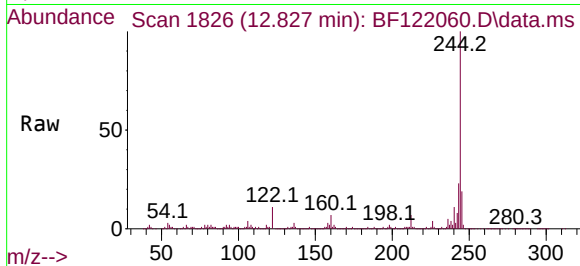




#79
 Terphenyl-d14
 Concen: 65.70 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.006 min
 Lab File: BF122060.D
 Acq: 21 Oct 2020 17:44

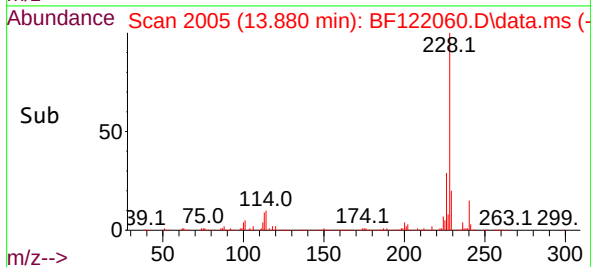
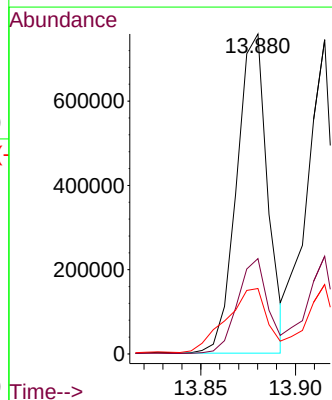
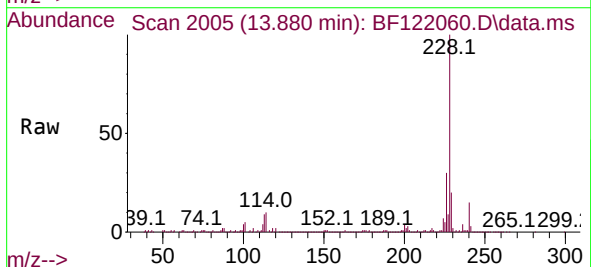
Instrument :
 BNA_F
 ClientSampleId :
 357

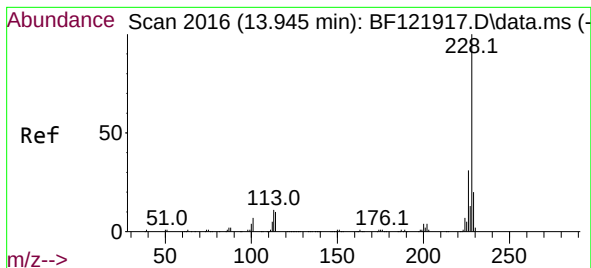
Tgt Ion:244 Resp: 852251
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.7 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 53.01 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: BF122060.D
 Acq: 21 Oct 2020 17:44

Tgt Ion:228 Resp: 858694
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 20.5 16.2 24.4





#83

Chrysene

Concen: 44.98 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BF122060.D

Acq: 21 Oct 2020 17:44

Tgt Ion:228 Resp: 715309

Ion Ratio Lower Upper

228 100

226 31.1 24.6 37.0

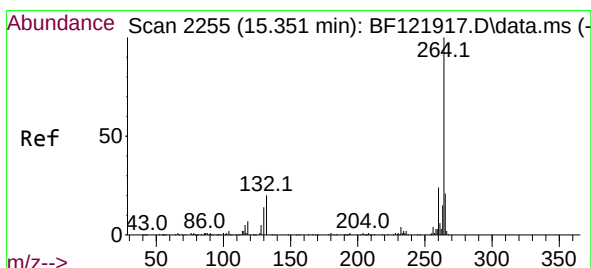
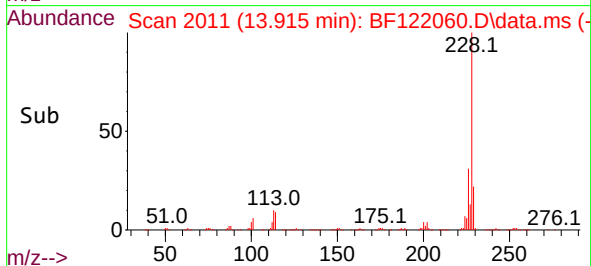
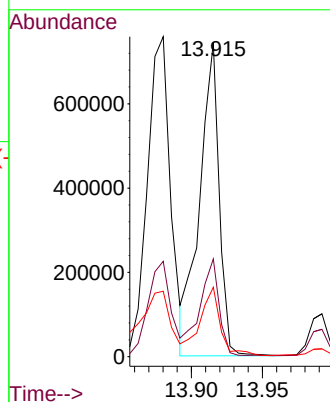
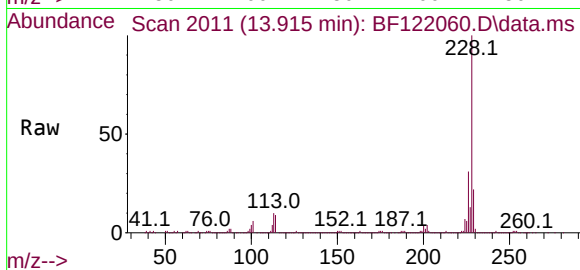
229 22.1 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

357



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.315 min Scan# 2249

Delta R.T. -0.000 min

Lab File: BF122060.D

Acq: 21 Oct 2020 17:44

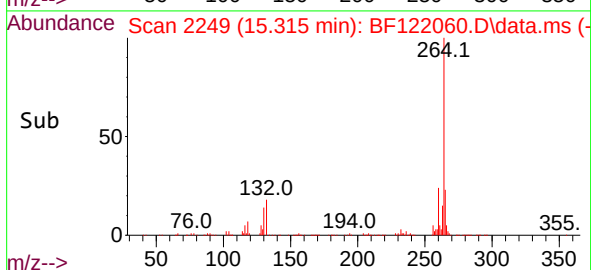
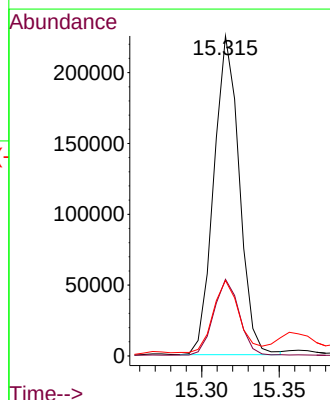
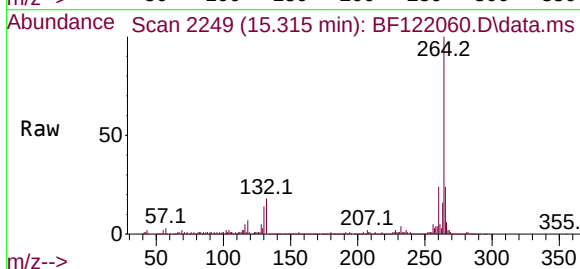
Tgt Ion:264 Resp: 257188

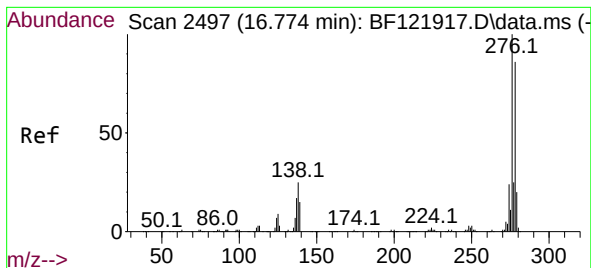
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 23.6 17.3 25.9

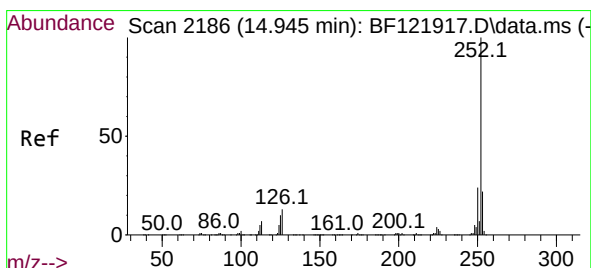
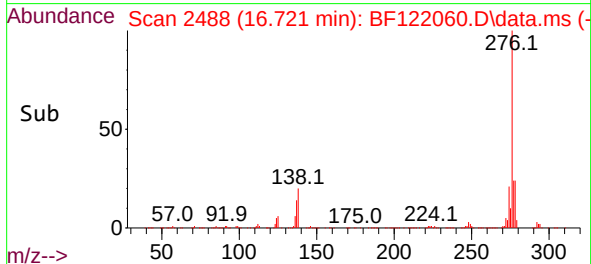
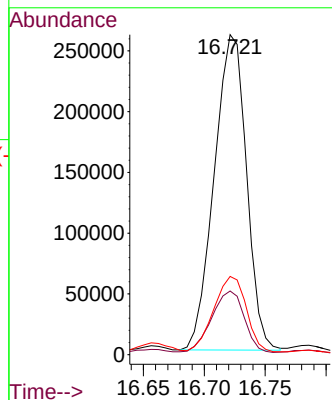
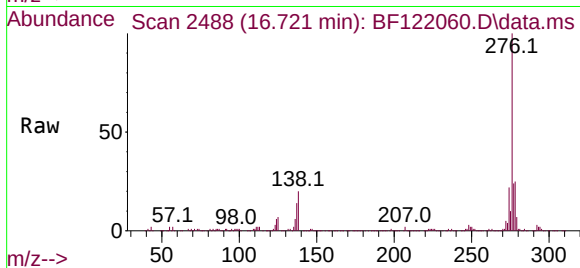




#87
Indeno(1,2,3-cd)pyrene
Concen: 28.66 ng
RT: 16.721 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

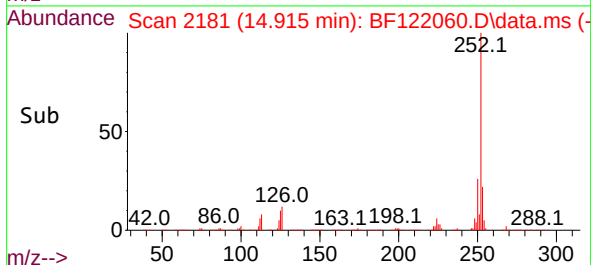
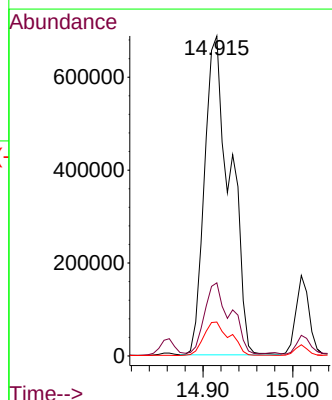
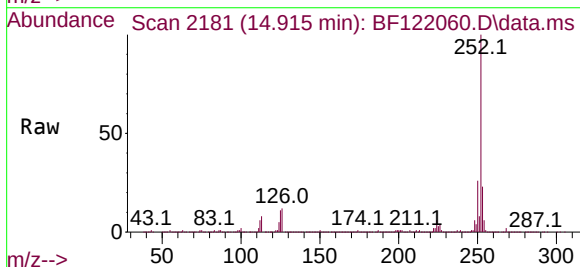
Instrument :
BNA_F
ClientSampleId :
357

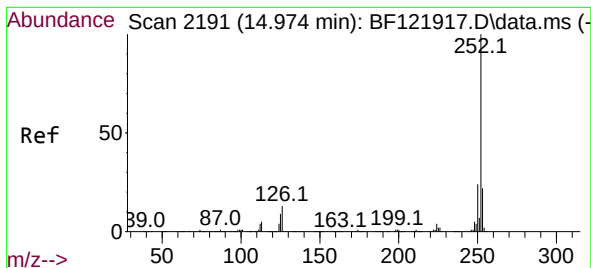
Tgt Ion:276 Resp: 478529
Ion Ratio Lower Upper
276 100
138 20.3 19.9 29.9
277 23.9 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 78.77 ng
RT: 14.915 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:252 Resp: 1369440
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 10.6 8.0 12.0

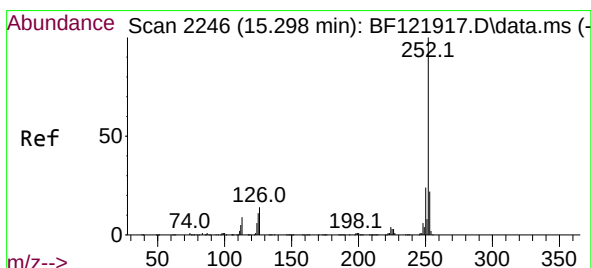
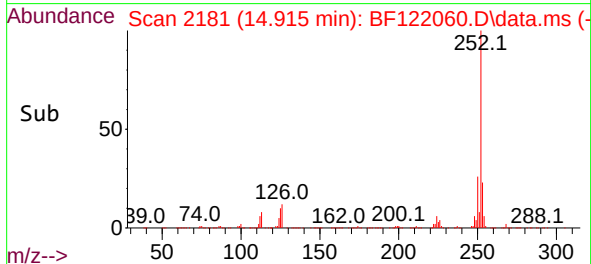
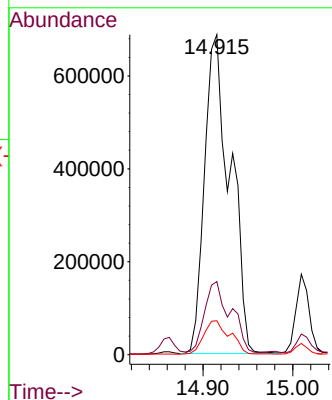
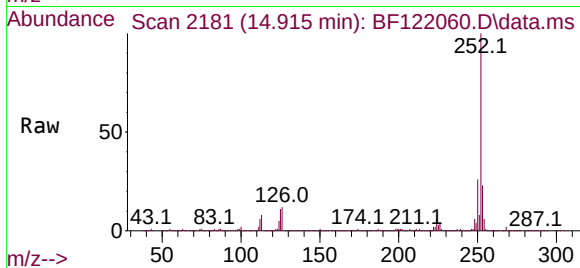




#89
Benzo(k)fluoranthene
Concen: 82.92 ng
RT: 14.915 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

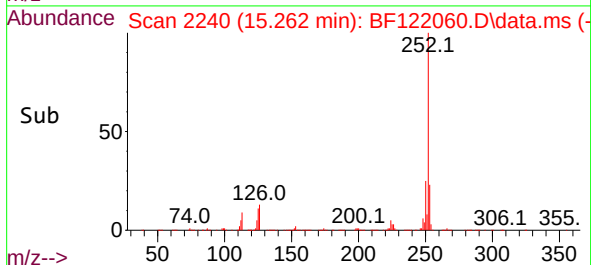
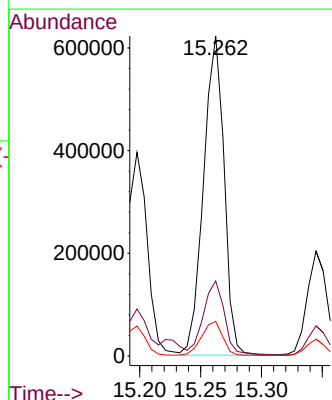
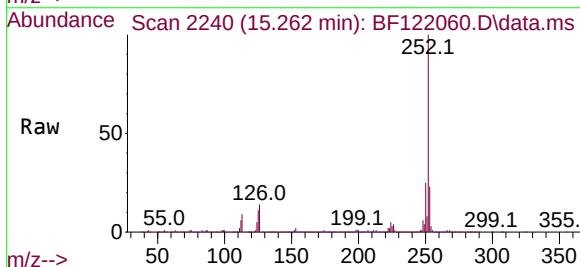
Instrument :
BNA_F
ClientSampled :
357

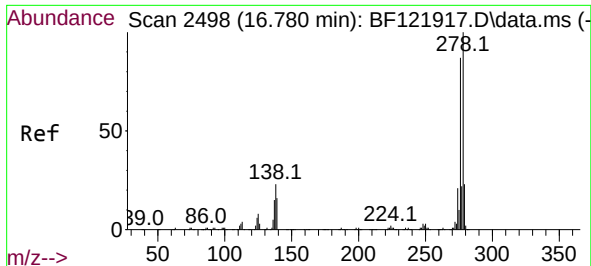
Tgt Ion:252 Resp: 1369440
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.6 7.7 11.5



#90
Benzo(a)pyrene
Concen: 48.67 ng
RT: 15.262 min Scan# 2240
Delta R.T. 0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:252 Resp: 730808
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 10.8 8.6 13.0

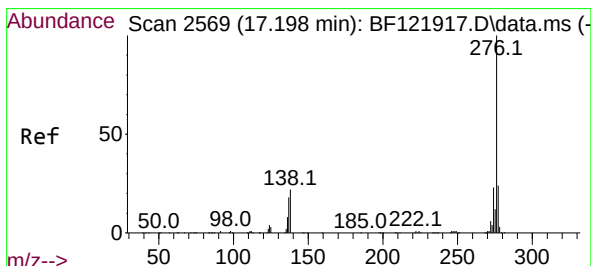
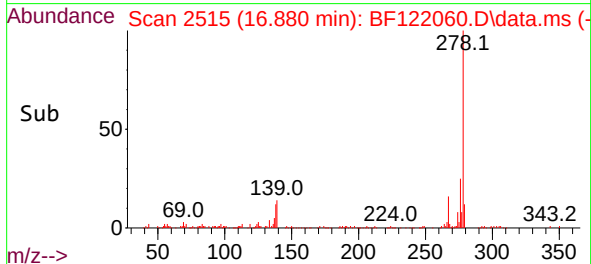
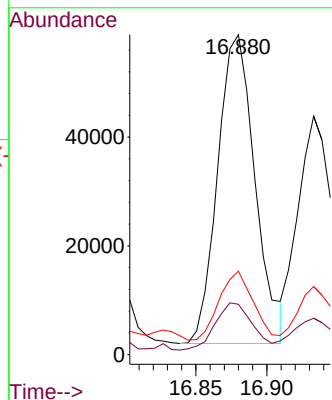
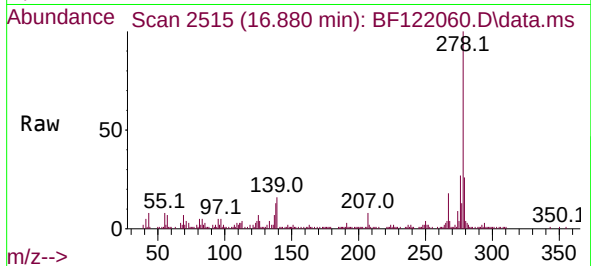




#91
Dibenzo(a,h)anthracene
Concen: 7.54 ng
RT: 16.880 min Scan# 2515
Delta R.T. 0.153 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Instrument :
BNA_F
ClientSampleId :
357

Tgt Ion:278 Resp: 103732
Ion Ratio Lower Upper
278 100
139 15.8 13.0 19.4
279 26.1 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.73 ng
RT: 17.145 min Scan# 2560
Delta R.T. 0.006 min
Lab File: BF122060.D
Acq: 21 Oct 2020 17:44

Tgt Ion:276 Resp: 436687
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 20.3 17.8 26.6

