

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101620\
 Data File : BF122011.D
 Acq On : 16 Oct 2020 15:11
 Operator : JU/CG
 Sample : L4392-10DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

Quant Time: Oct 16 15:58:33 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)

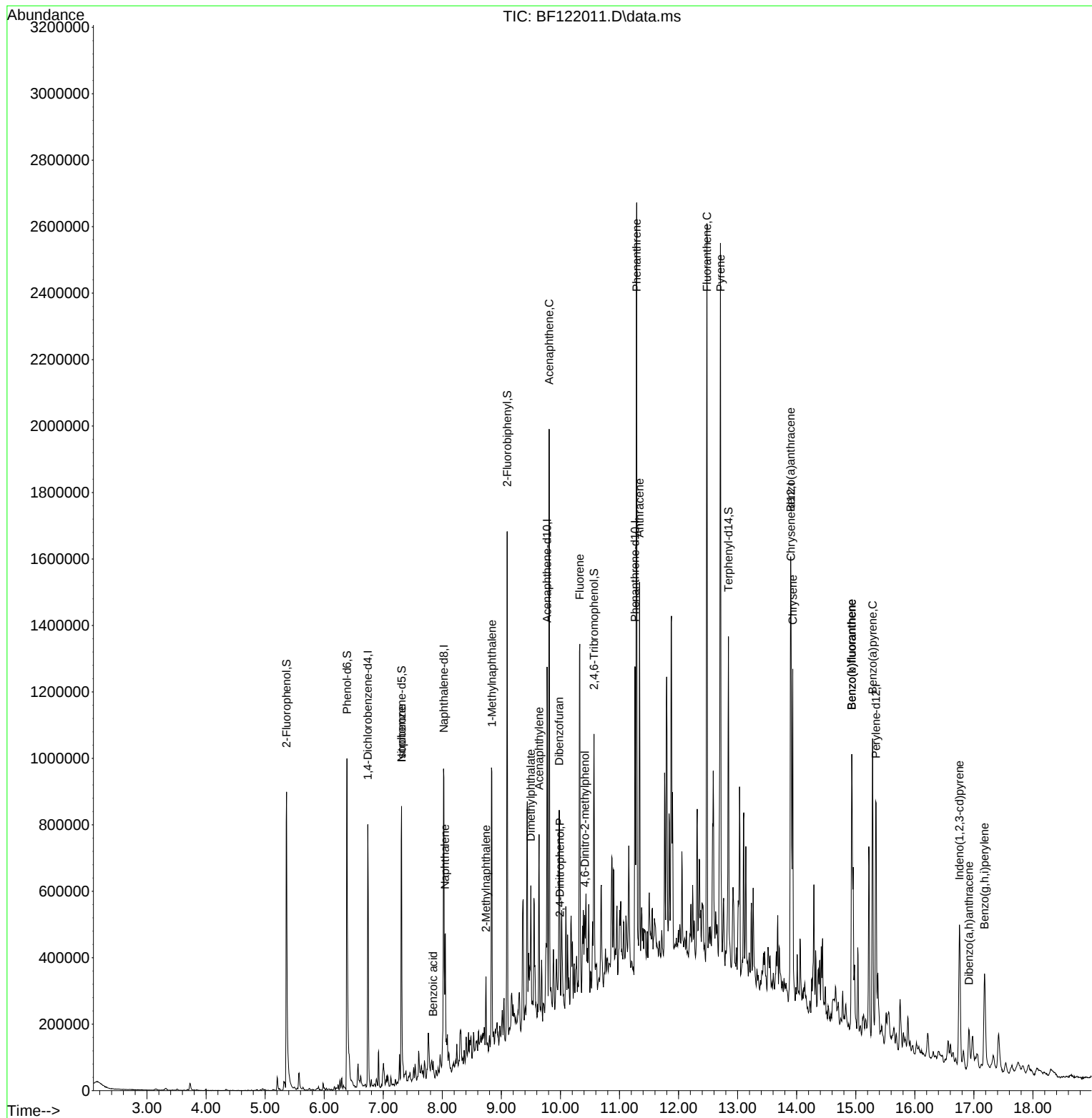
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	112356	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	439024	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	205533	20.00	ng	0.00
64) Phenanthrene-d10	11.263	188	323256	20.00	ng	0.00
76) Chrysene-d12	13.904	240	224631	20.00	ng	0.00
86) Perylene-d12	15.345	264	252057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	330424	43.40	ng	0.00
7) Phenol-d6	6.387	99	423672	43.23	ng	0.00
23) Nitrobenzene-d5	7.310	82	270355	31.58	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	77165	30.35	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	426469	30.53	ng	0.00
79) Terphenyl-d14	12.845	244	282773	23.99	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.292	77	1868	Below Cal	#	1
25) Isophorone	7.310	82	269506	16.65	ng	67
31) Naphthalene	8.045	128	119271	5.07	ng	99
32) Benzoic acid	7.845	122	1025	7.89	ng	# 1
37) 2-Methylnaphthalene	8.739	142	57511	3.78	ng	97
38) 1-Methylnaphthalene	8.839	142	237688	16.85	ng	99
49) Acenaphthylene	9.639	152	105613	5.29	ng	# 95
50) Dimethylphthalate	9.498	163	80822	5.38	ng	100
52) Acenaphthene	9.810	154	339560	28.60	ng	99
54) 2,4-Dinitrophenol	9.992	184	120	8.75	ng	# 1
55) Dibenzofuran	9.980	168	137757	7.93	ng	# 92
58) Fluorene	10.328	166	298756	21.36	ng	99
65) 4,6-Dinitro-2-methylph...	10.416	198	125	4.49	ng	# 1
71) Phenanthrene	11.292	178	879796	49.64	ng	99
72) Anthracene	11.339	178	402384	21.89	ng	99
75) Fluoranthene	12.480	202	832953	43.83	ng	98
78) Pyrene	12.710	202	892694	52.15	ng	99
81) Benzo(a)anthracene	13.898	228	444637	30.21	ng	94
83) Chrysene	13.933	228	380095	26.30	ng	97
87) Indeno(1,2,3-cd)pyrene	16.757	276	247456	15.12	ng	94
88) Benzo(b)fluoranthene	14.933	252	620378	36.41	ng	98
89) Benzo(k)fluoranthene	14.933	252	620378	38.33	ng	99
90) Benzo(a)pyrene	15.286	252	404920	27.52	ng	98
91) Dibenzo(a,h)anthracene	16.915	278	70682	5.25	ng	96
92) Benzo(g,h,i)perylene	17.180	276	231244	17.15	ng	100

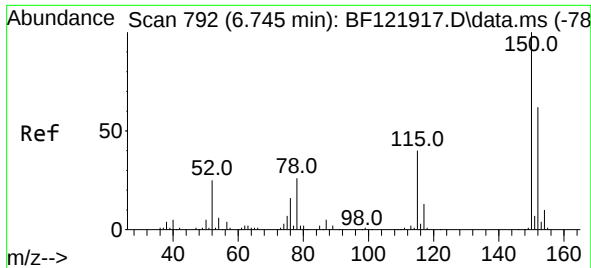
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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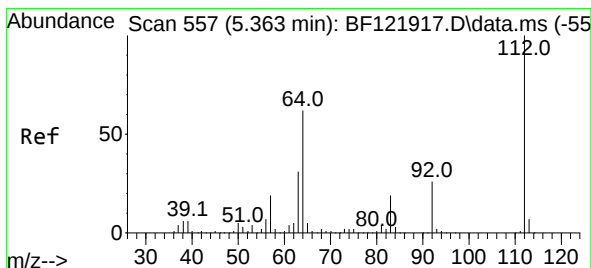
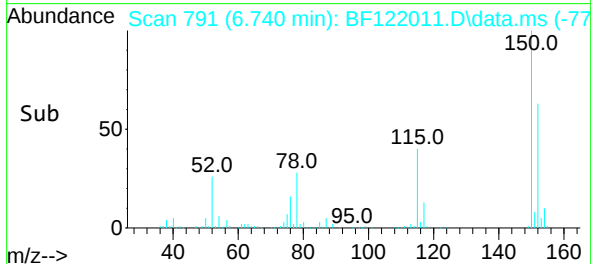
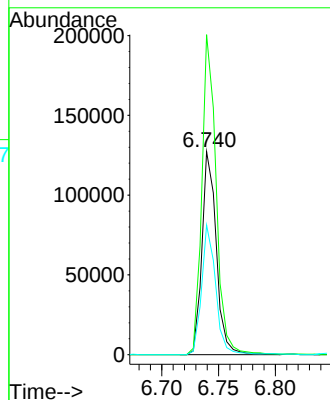
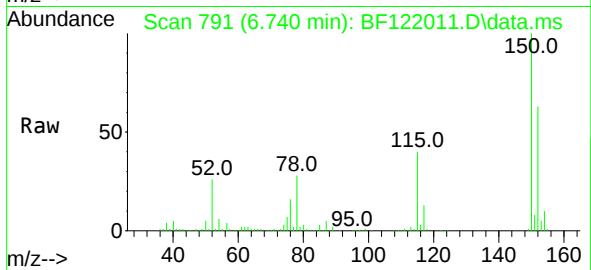




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

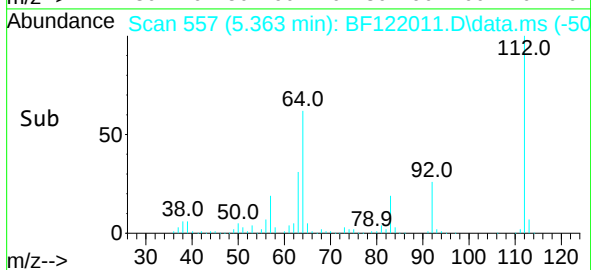
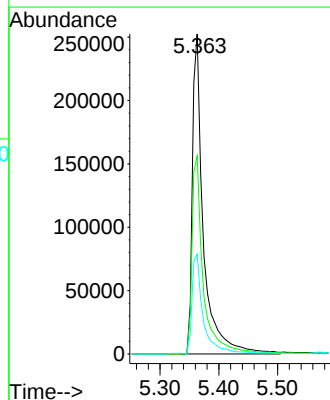
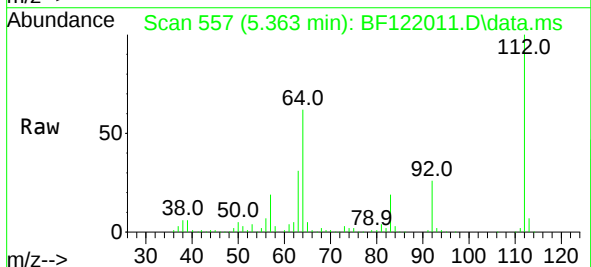
Instrument :
BNA_F
ClientSampleId :
TP-3DL

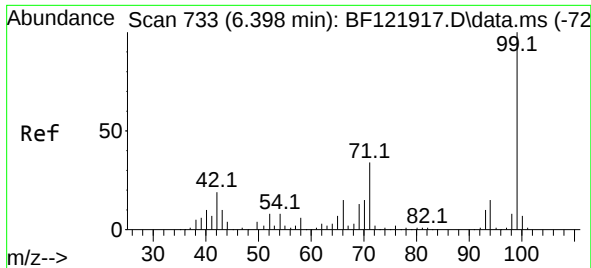
Tgt Ion:152 Resp: 112356
Ion Ratio Lower Upper
152 100
150 157.6 125.3 187.9
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 43.40 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:112 Resp: 330424
Ion Ratio Lower Upper
112 100
64 61.9 50.4 75.6
63 31.3 25.8 38.6

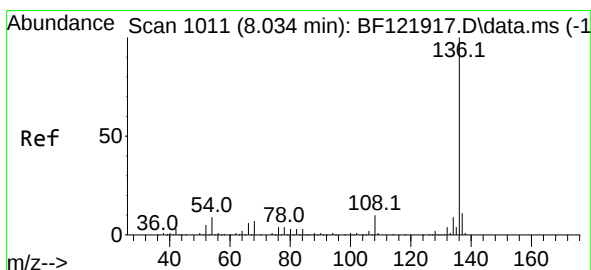
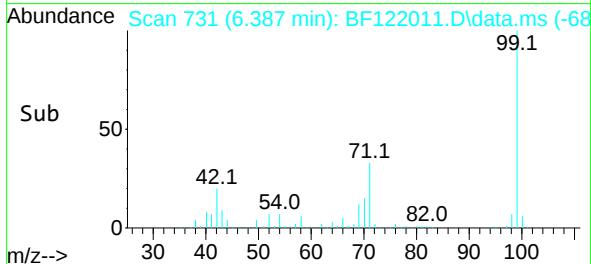
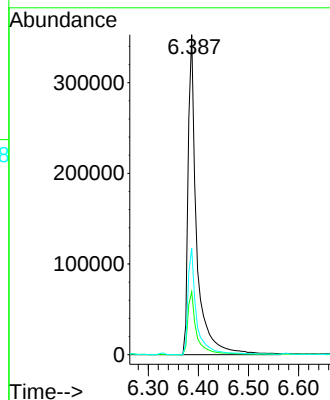
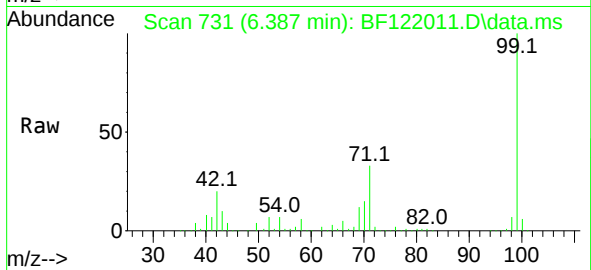




#7
Phenol-d6
Concen: 43.23 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

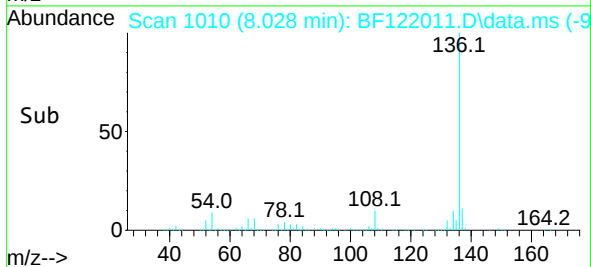
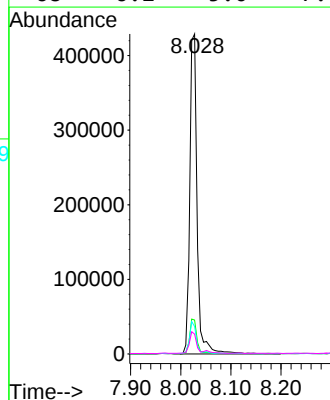
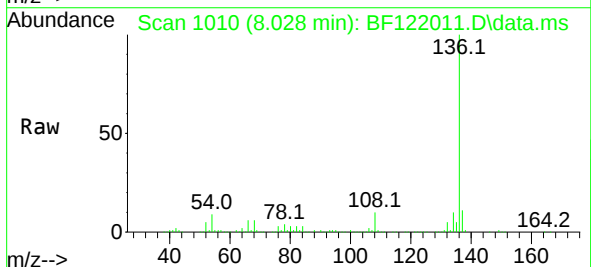
Instrument :
BNA_F
ClientSampleId :
TP-3DL

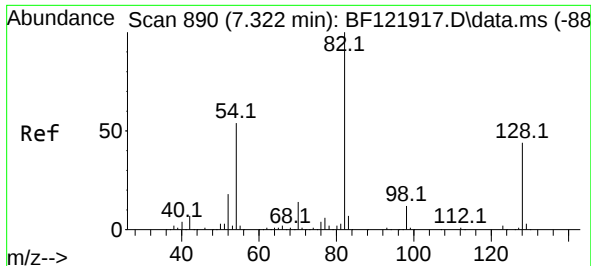
Tgt Ion: 99 Resp: 423672
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 33.2 27.1 40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion: 136 Resp: 439024
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.1 10.7
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 31.58 ng

RT: 7.310 min Scan# 888

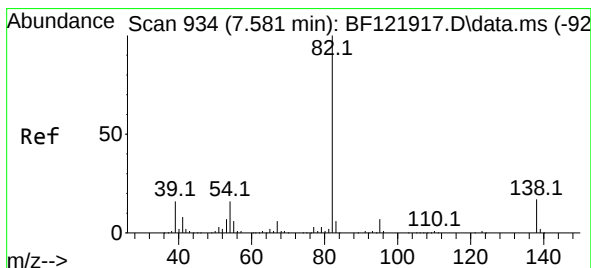
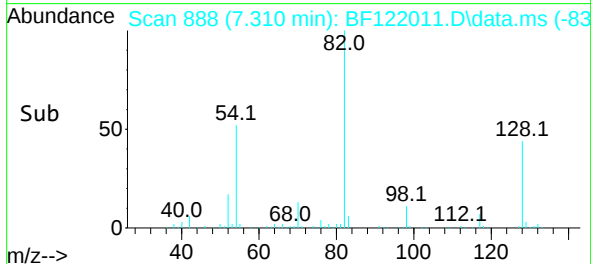
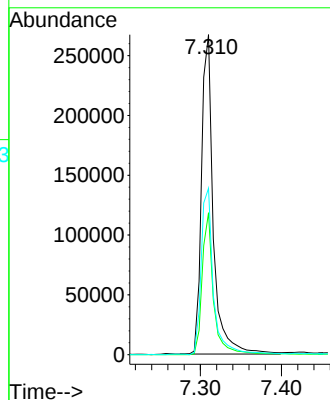
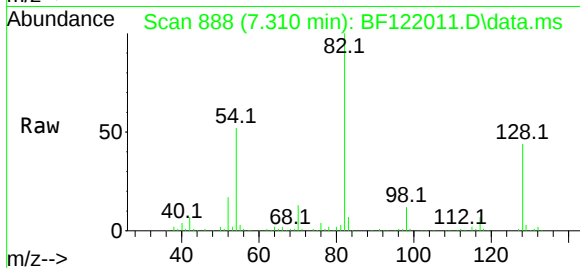
Delta R.T. -0.006 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

Tgt Ion: 82 Resp: 270355

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.0	52.4
54	52.0	43.9	65.9



#25

Isophorone

Concen: 16.65 ng

RT: 7.310 min Scan# 888

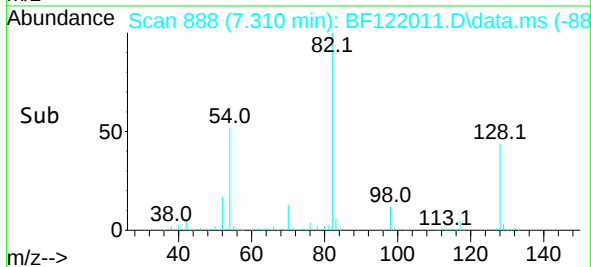
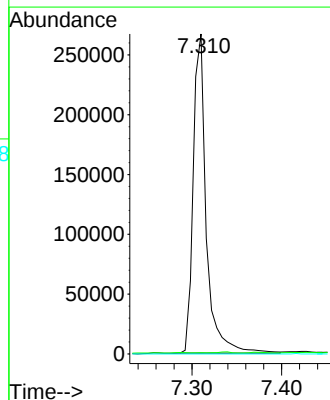
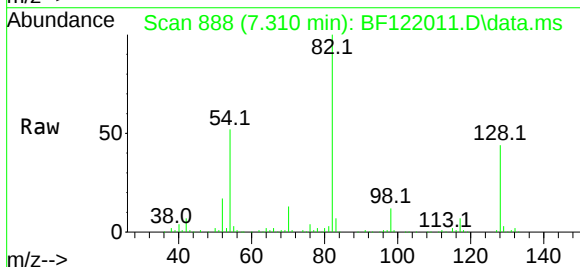
Delta R.T. -0.265 min

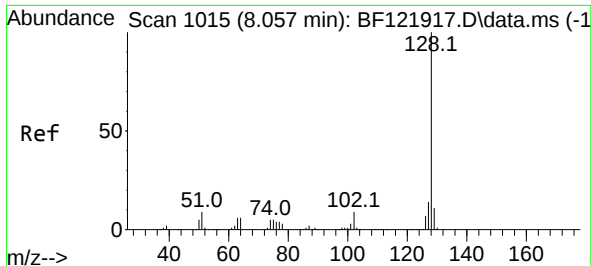
Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

Tgt Ion: 82 Resp: 269506

Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.4	8.0#
138	0.0	13.4	20.0#

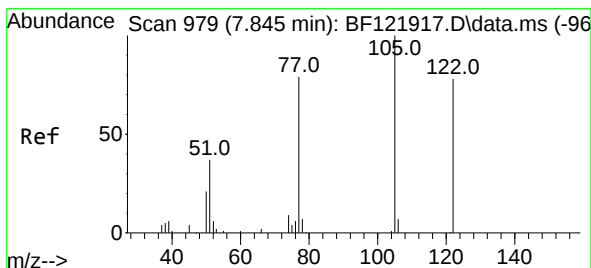
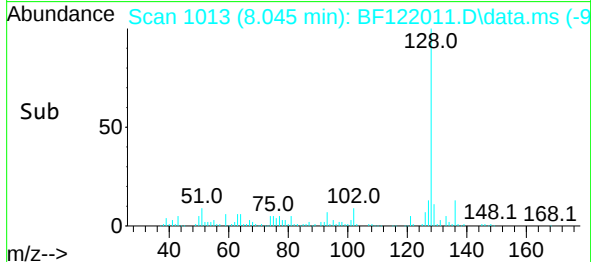
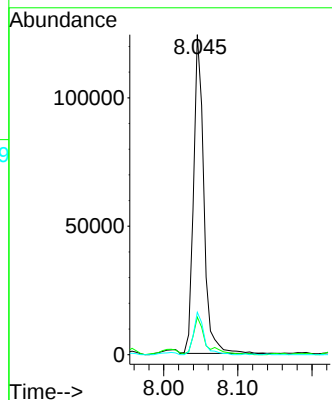
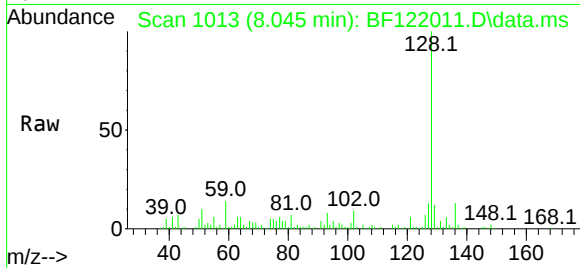




#31
Naphthalene
Concen: 5.07 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

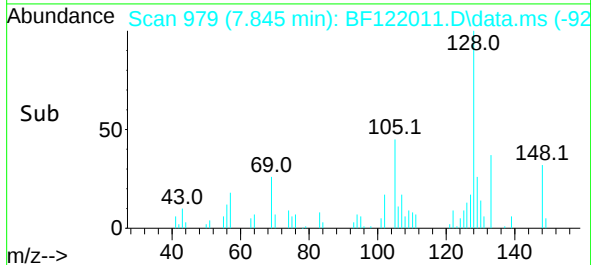
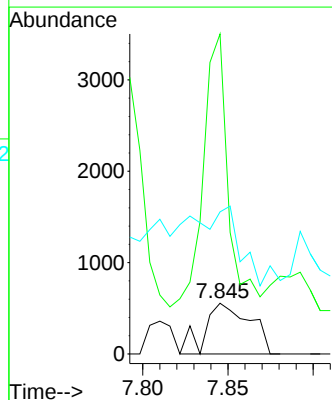
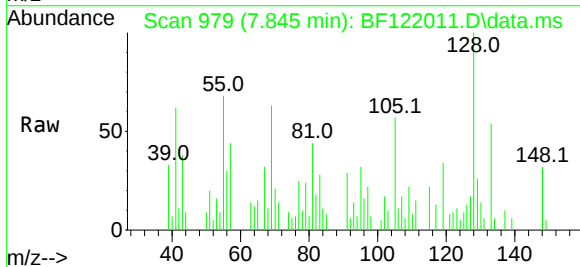
Instrument :
BNA_F
ClientSampleId :
TP-3DL

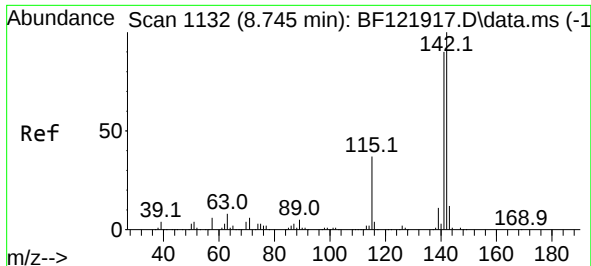
Tgt Ion:128 Resp: 119271
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 7.89 ng
RT: 7.845 min Scan# 979
Delta R.T. 0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:122 Resp: 1025
Ion Ratio Lower Upper
122 100
105 630.0 103.3 143.3#
77 279.7 73.9 113.9#

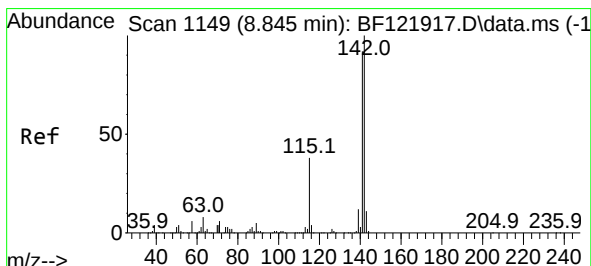
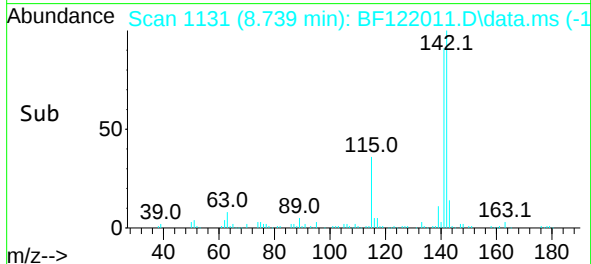
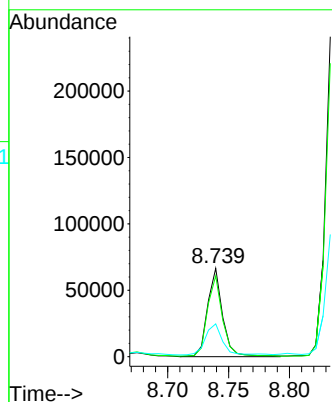
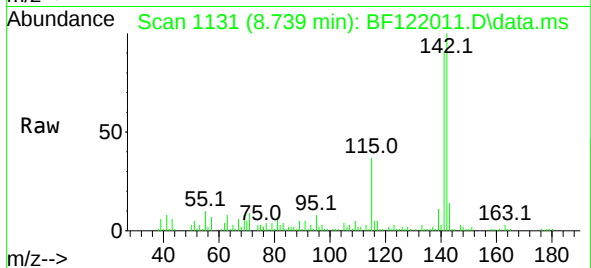




#37
2-Methylnaphthalene
Concen: 3.78 ng
RT: 8.739 min Scan# 1131
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

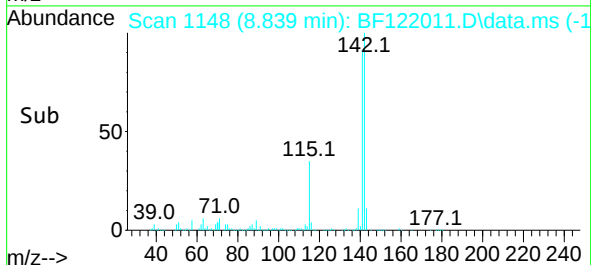
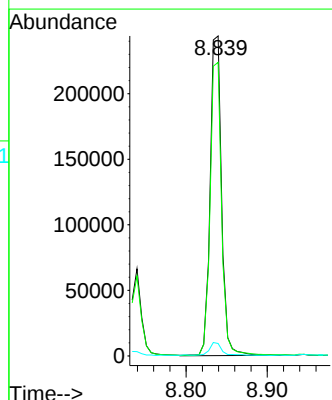
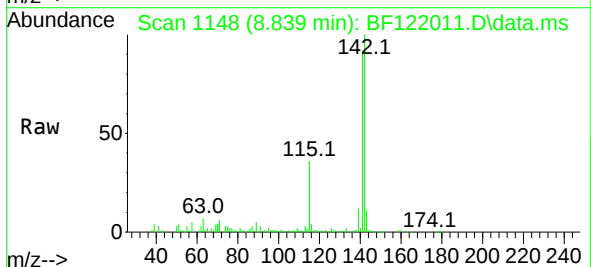
Instrument :
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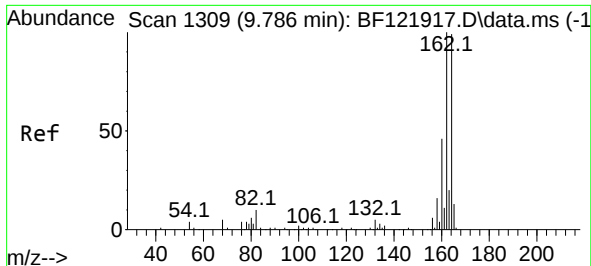
Tgt Ion:142 Resp: 57511
Ion Ratio Lower Upper
142 100
141 91.4 70.2 105.4
115 37.1 28.6 43.0



#38
1-Methylnaphthalene
Concen: 16.85 ng
RT: 8.839 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:142 Resp: 237688
Ion Ratio Lower Upper
142 100
141 91.7 74.5 111.7
116 3.9 3.2 4.8

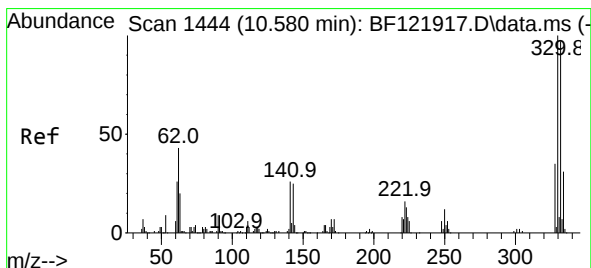
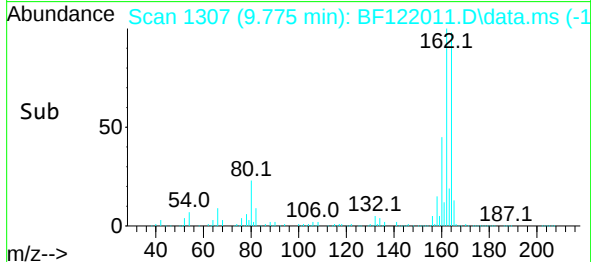
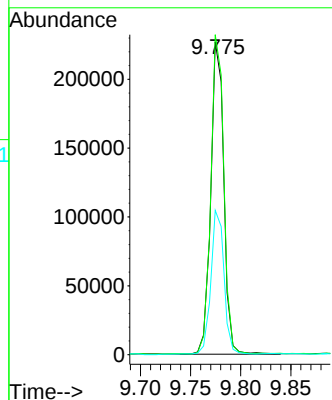
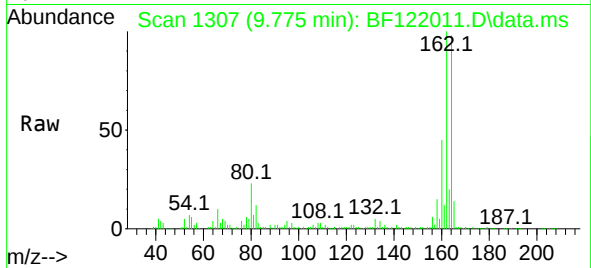




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

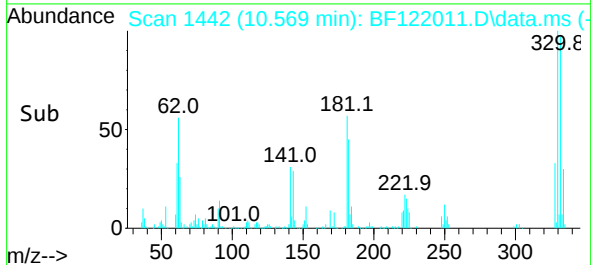
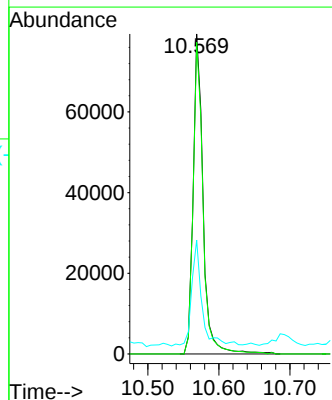
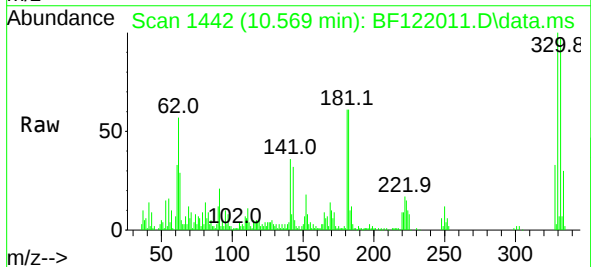
Instrument :
BNA_F
ClientSampleId :
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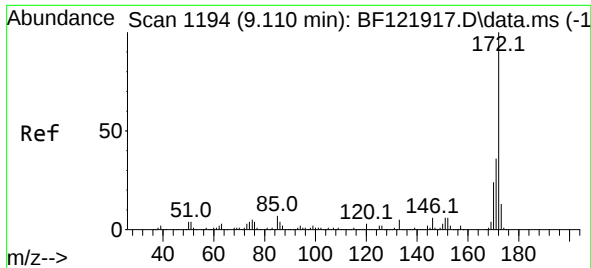
Tgt Ion:164 Resp: 205533
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 46.1 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 30.35 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:330 Resp: 77165
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 34.5 22.3 33.5#

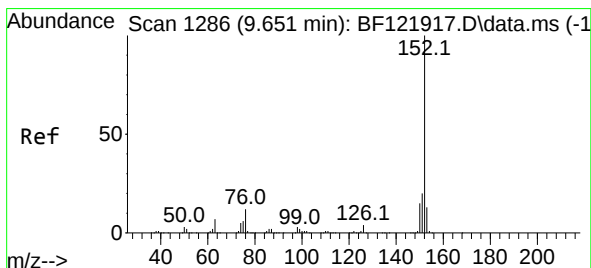
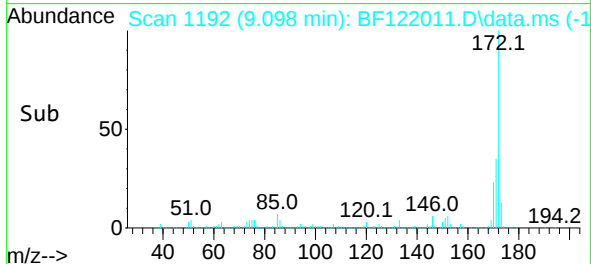
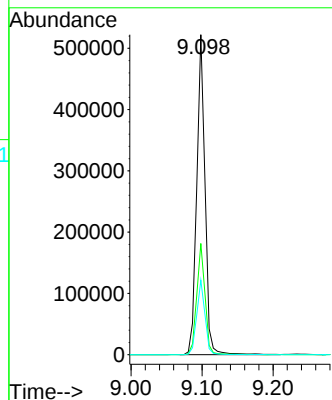
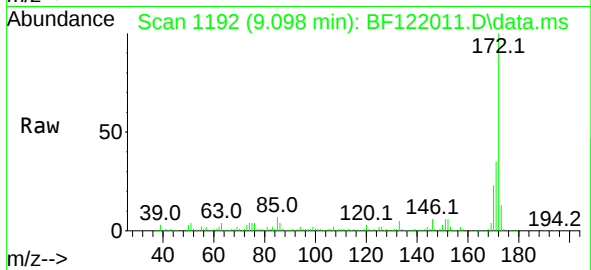




#45
2-Fluorobiphenyl
Concen: 30.53 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

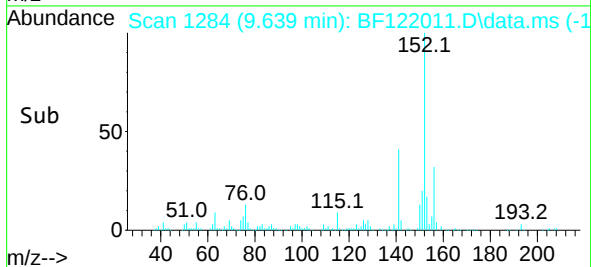
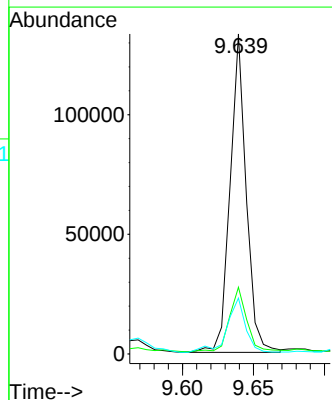
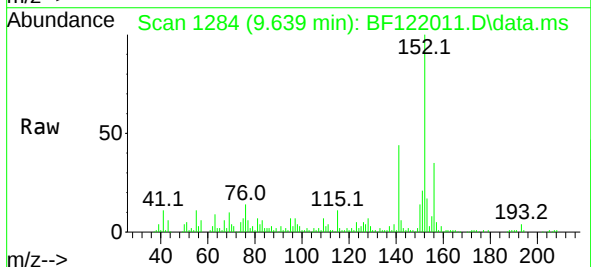
Instrument :
BNA_F
ClientSampleId :
TP-3DL

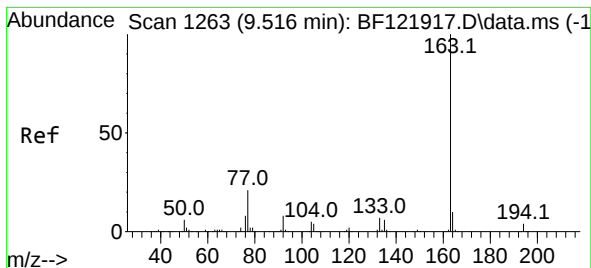
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Ion Ratio Lower Upper
172 100
171 34.8 29.1 43.7
170 23.3 19.8 29.6



#49
Acenaphthylene
Concen: 5.29 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:152 Resp: 105613
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 17.5 10.6 15.8#

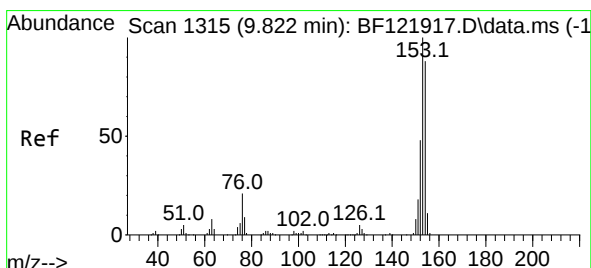
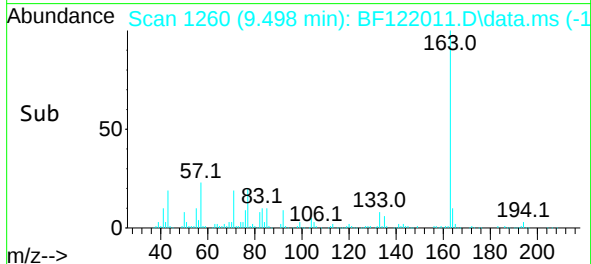
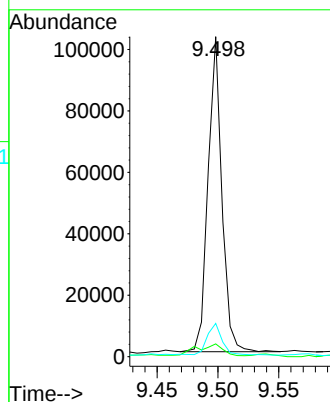
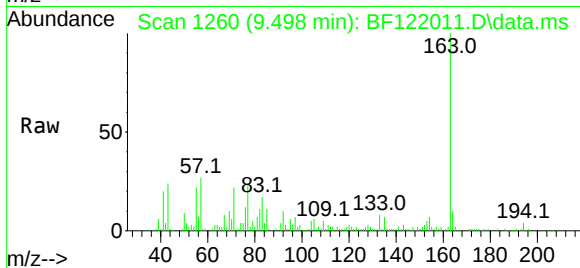




#50
Dimethylphthalate
Concen: 5.38 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

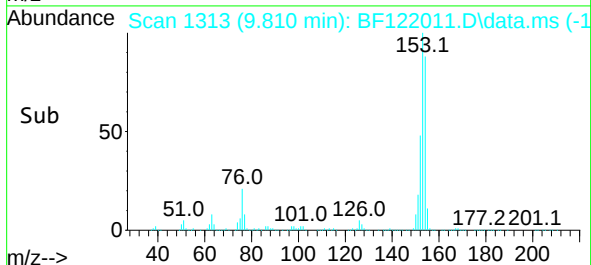
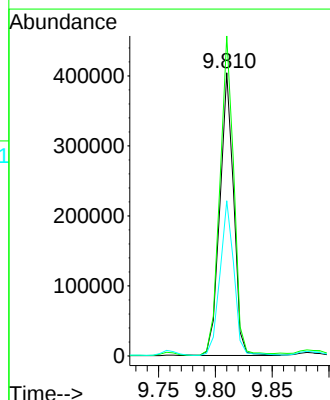
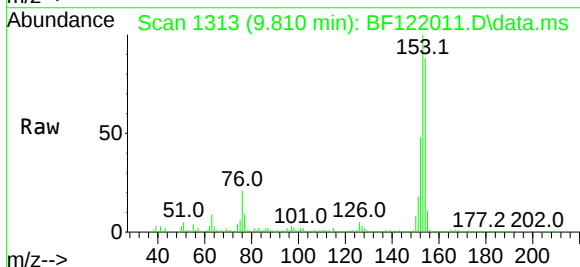
Instrument :
BNA_F
ClientSampleId :
TP-3DL

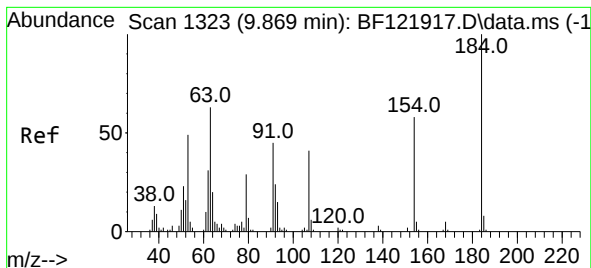
Tgt Ion:163 Resp: 80822
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.4 8.2 12.4



#52
Acenaphthene
Concen: 28.60 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:154 Resp: 339560
Ion Ratio Lower Upper
154 100
153 113.0 89.8 134.8
152 54.8 43.2 64.8

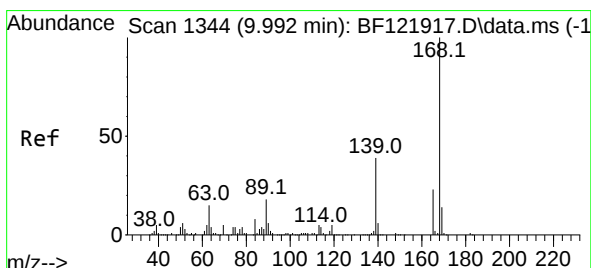
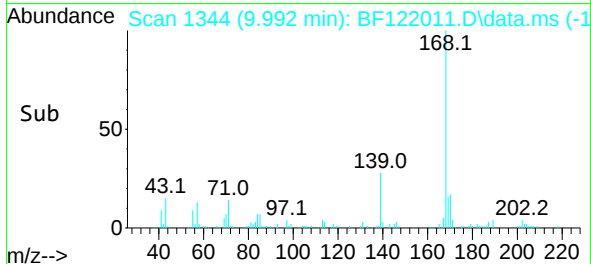
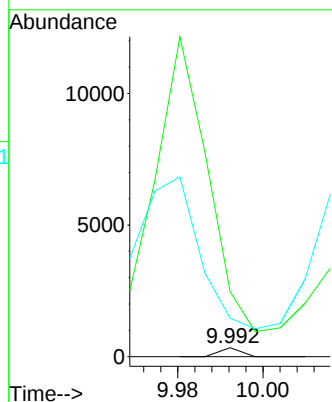
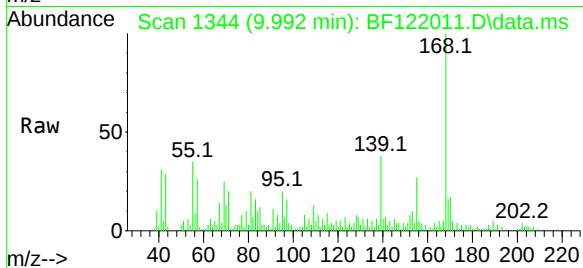




#54
2,4-Dinitrophenol
Concen: 8.75 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.124 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

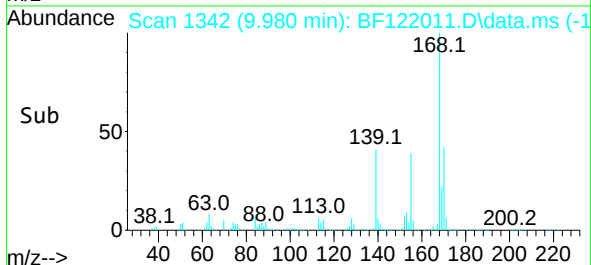
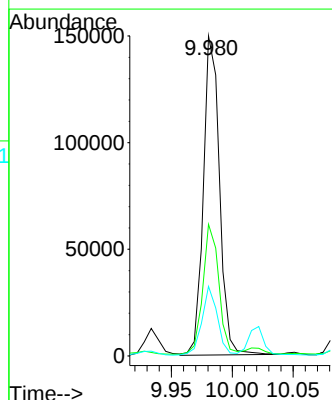
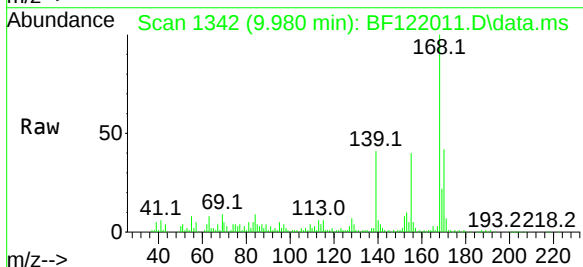
Instrument :
BNA_F
ClientSampleId :
TP-3DL

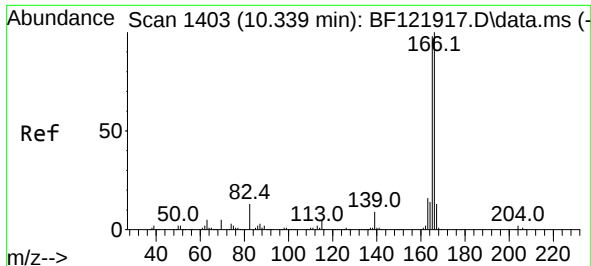
Tgt Ion:184 Resp: 120
Ion Ratio Lower Upper
184 100
63 726.8 45.9 68.9#
154 430.6 45.8 68.6#



#55
Dibenzofuran
Concen: 7.93 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:168 Resp: 137757
Ion Ratio Lower Upper
168 100
139 41.2 31.0 46.6
169 21.8 11.3 16.9#

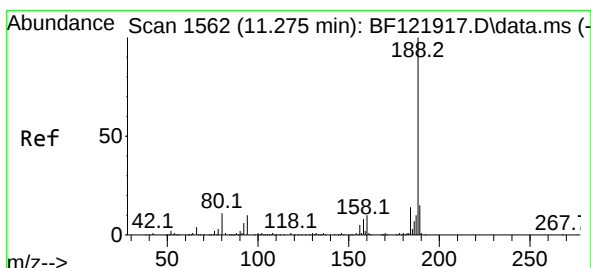
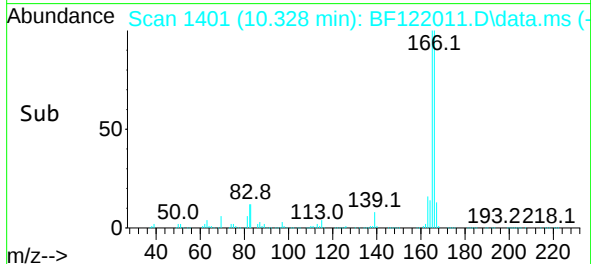
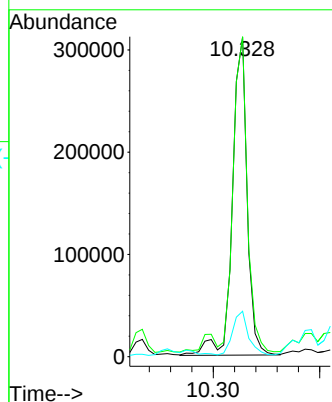
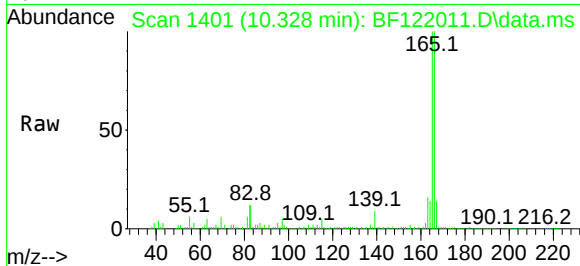




#58
Fluorene
Concen: 21.36 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

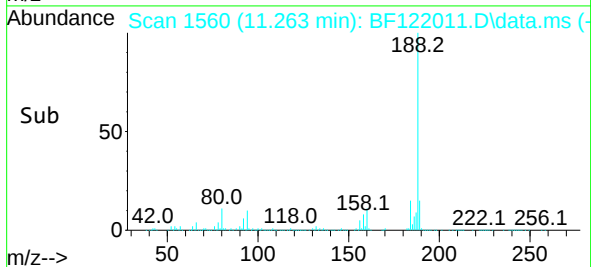
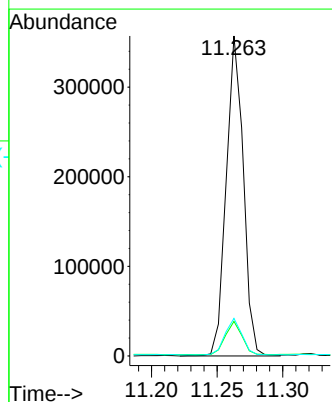
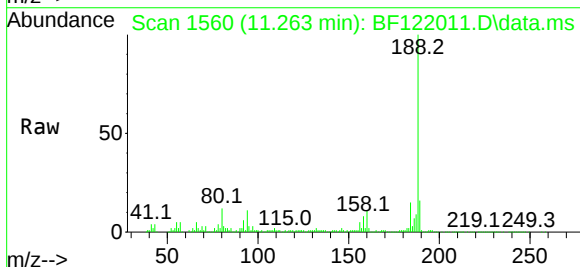
Instrument :
BNA_F
ClientSampleId :
TP-3DL

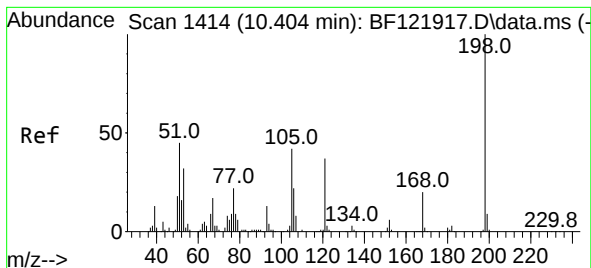
Tgt Ion:166 Resp: 298756
Ion Ratio Lower Upper
166 100
165 100.2 79.1 118.7
167 14.2 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:188 Resp: 323256
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.8 9.1 13.7

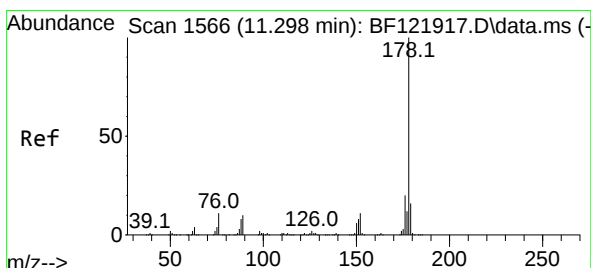
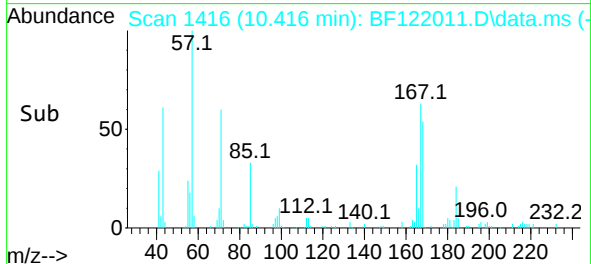
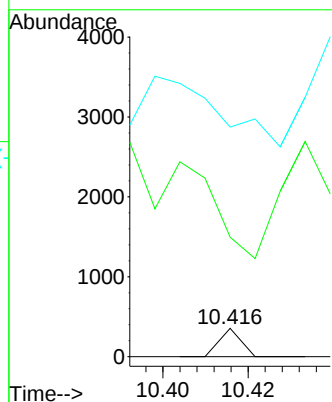
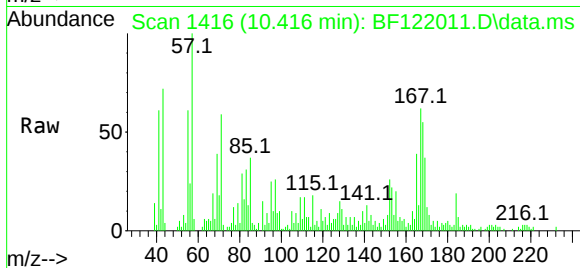




#65
4,6-Dinitro-2-methylphenol
Concen: 4.49 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.018 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

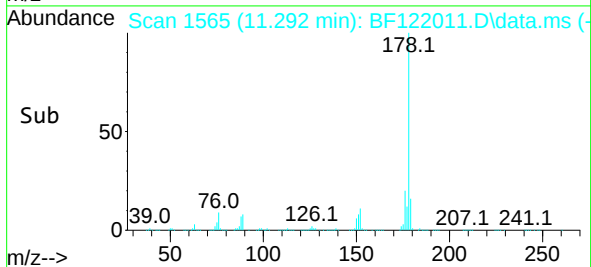
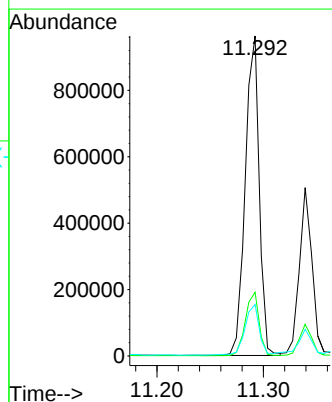
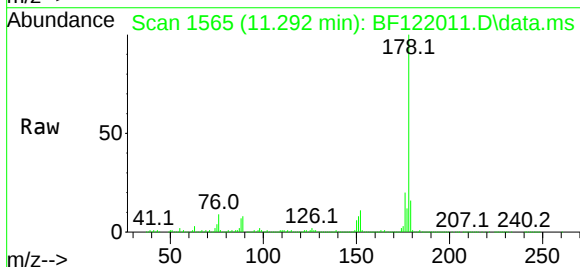
Instrument :
BNA_F
ClientSampleId :
TP-3DL

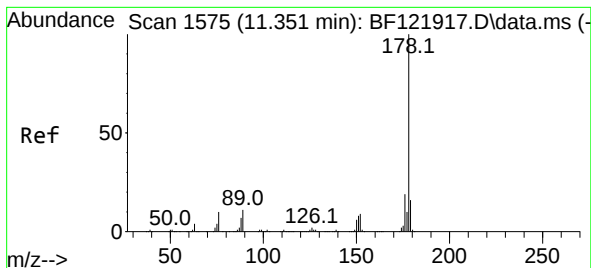
Tgt Ion:198 Resp: 125
Ion Ratio Lower Upper
198 100
51 422.6 29.6 69.6#
105 811.9 24.4 64.4#



#71
Phenanthrene
Concen: 49.64 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:178 Resp: 879796
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 16.1 12.2 18.4

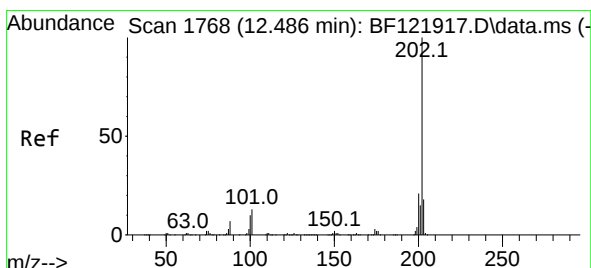
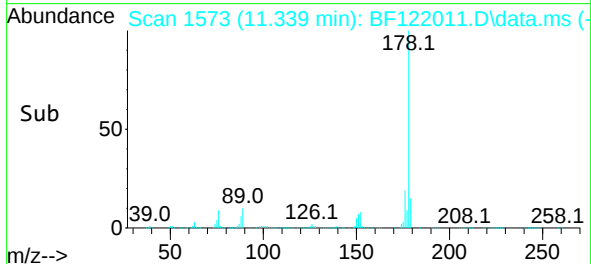
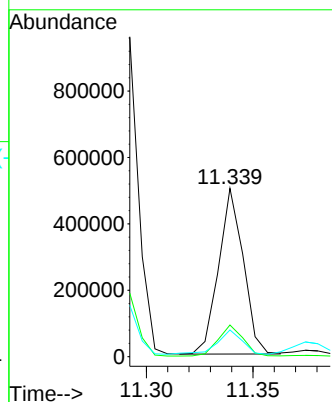
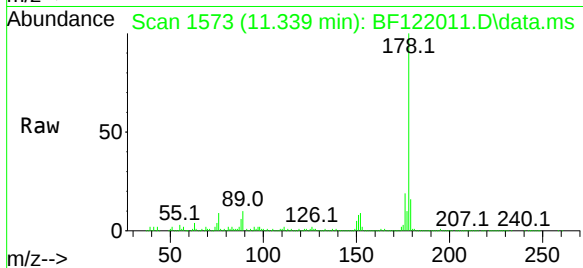




#72
 Anthracene
 Concen: 21.89 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.006 min
 Lab File: BF122011.D
 Acq: 16 Oct 2020 15:11

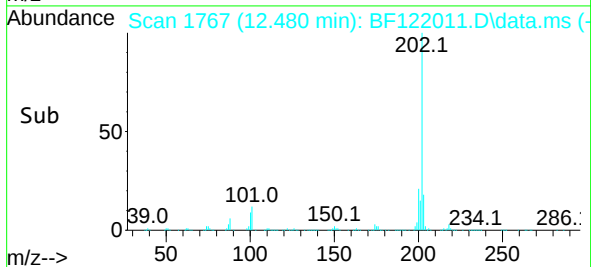
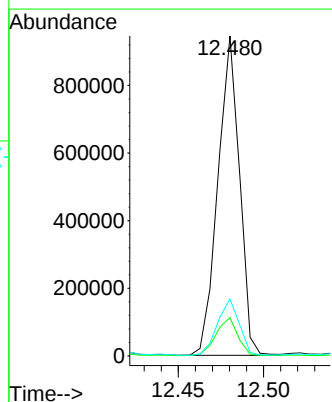
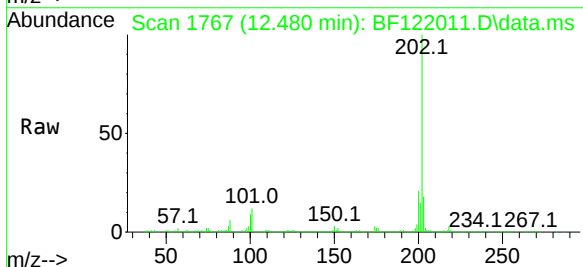
Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

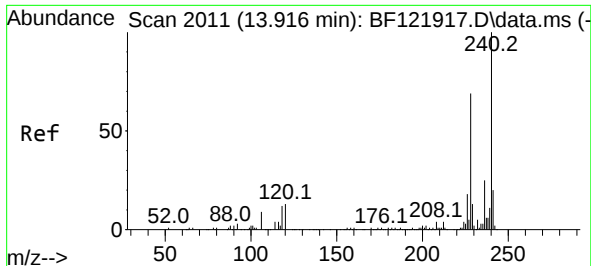
Tgt Ion:178 Resp: 402384
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.9 12.7 19.1



#75
 Fluoranthene
 Concen: 43.83 ng
 RT: 12.480 min Scan# 1767
 Delta R.T. 0.000 min
 Lab File: BF122011.D
 Acq: 16 Oct 2020 15:11

Tgt Ion:202 Resp: 832953
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 33.4
 203 17.8 0.0 37.9

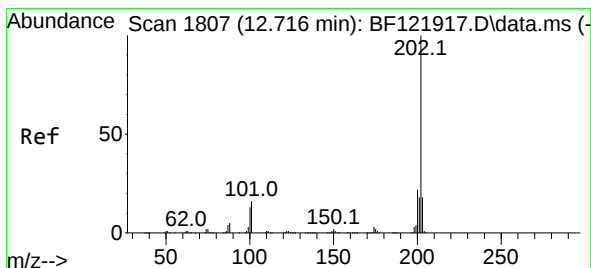
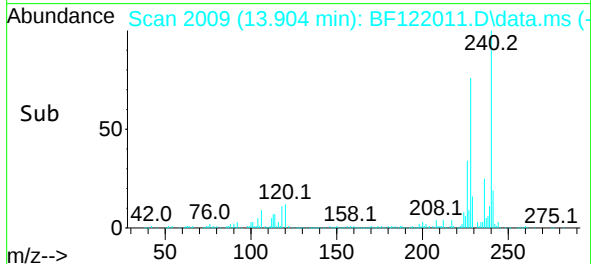
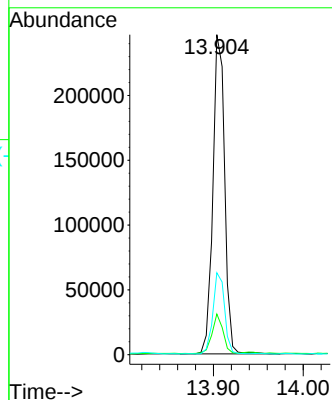
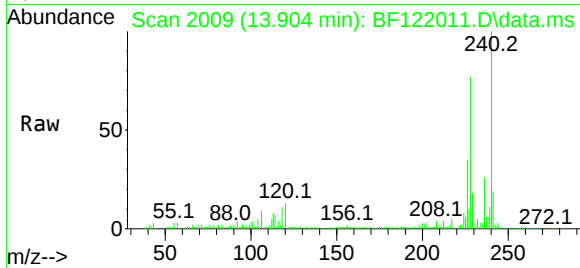




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

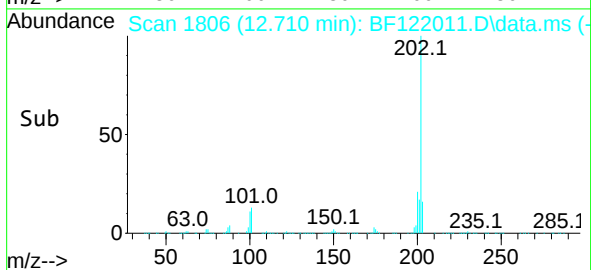
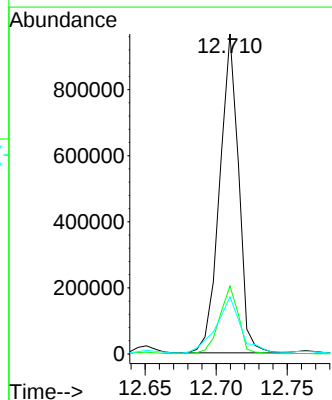
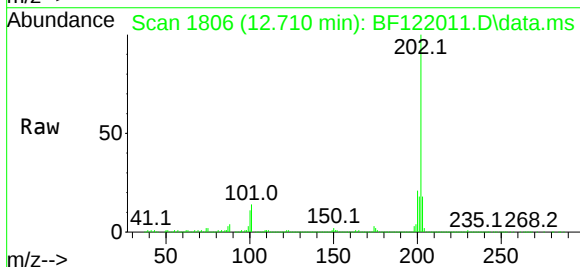
Instrument :
BNA_F
ClientSampleId :
TP-3DL

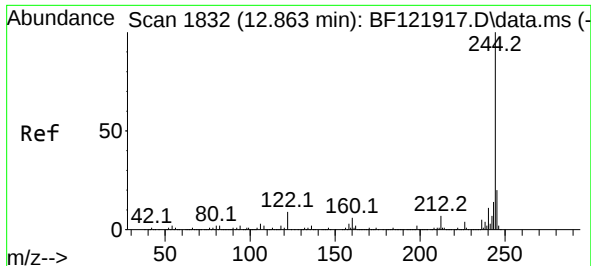
Tgt Ion:240 Resp: 224631
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 25.6 20.9 31.3



#78
Pyrene
Concen: 52.15 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:202 Resp: 892694
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.8 14.6 21.8

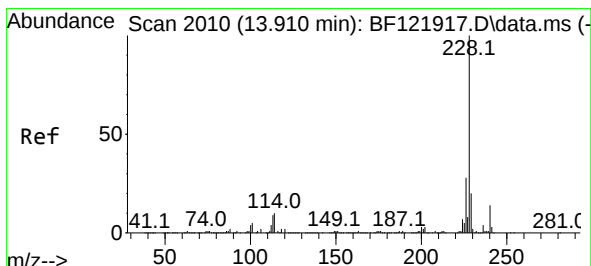
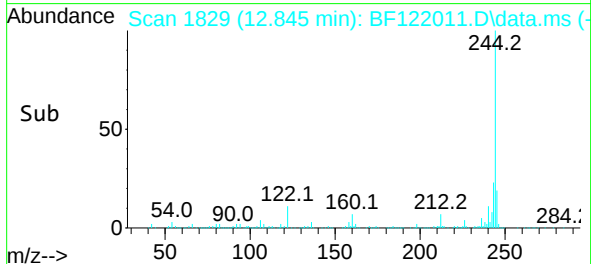
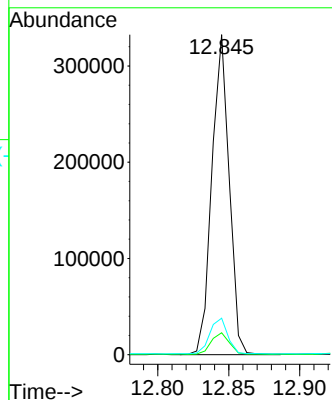
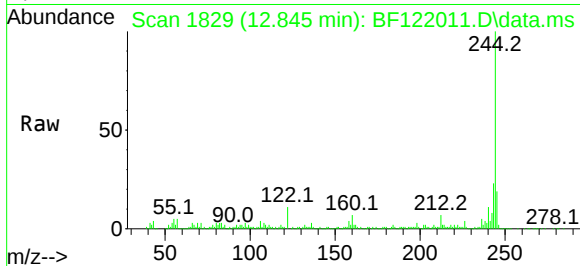




#79
Terphenyl-d14
Concen: 23.99 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

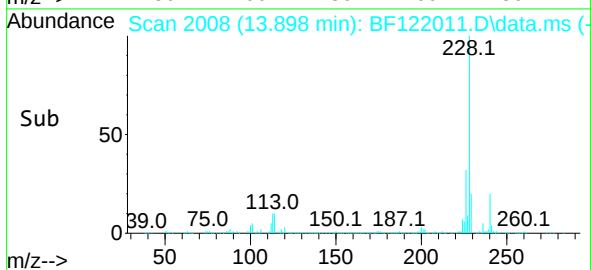
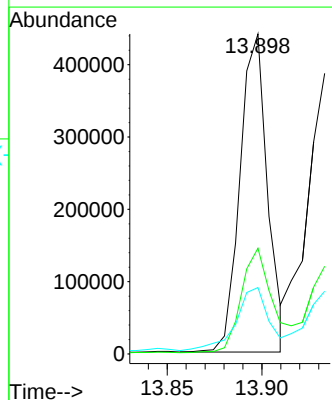
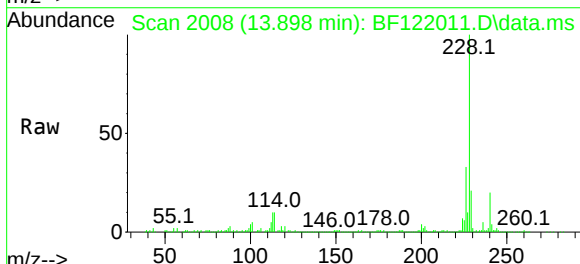
Instrument :
BNA_F
ClientSampleId :
TP-3DL

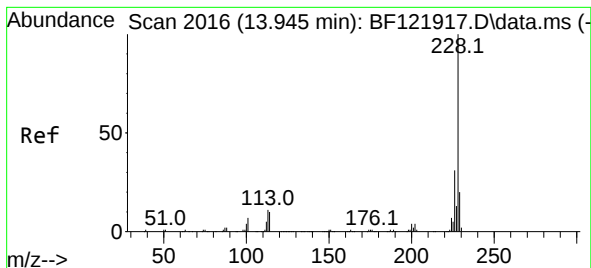
Tgt Ion:244 Resp: 282773
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 11.4 8.1 12.1



#81
Benzo(a)anthracene
Concen: 30.21 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:228 Resp: 444637
Ion Ratio Lower Upper
228 100
226 33.1 22.3 33.5
229 20.7 16.2 24.4





#83

Chrysene

Concen: 26.30 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

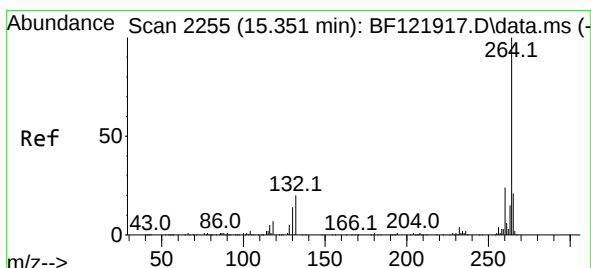
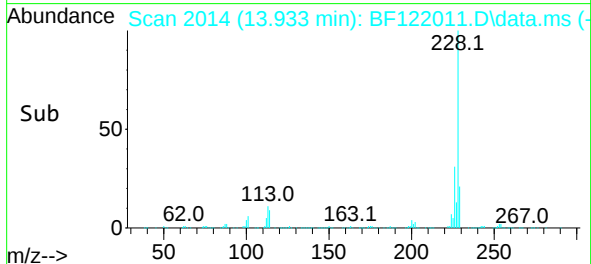
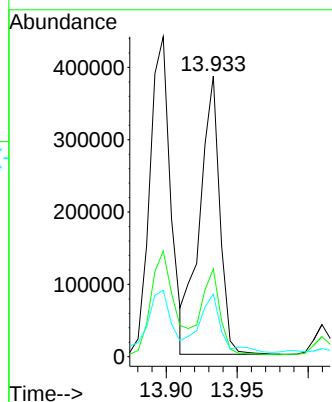
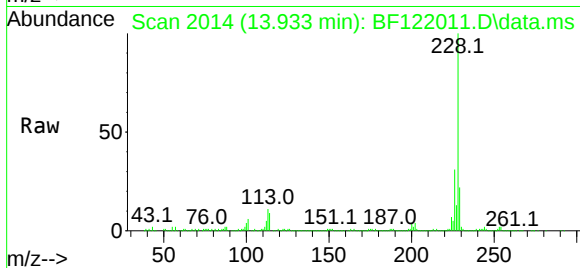
Tgt Ion:228 Resp: 380095

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.006 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

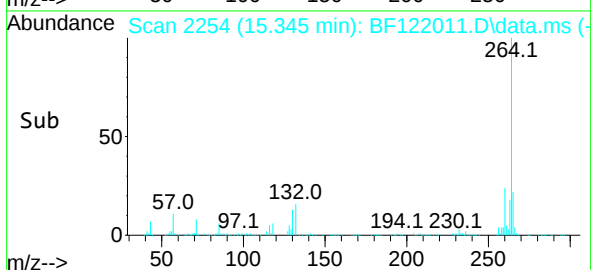
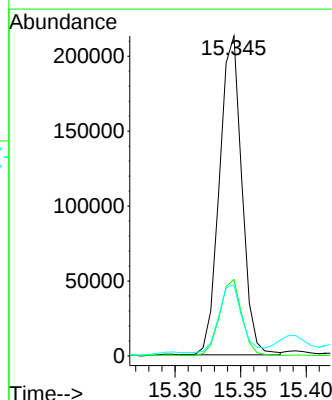
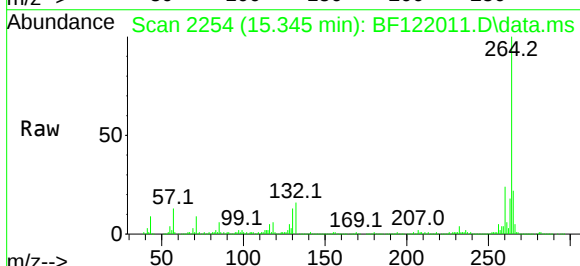
Tgt Ion:264 Resp: 252057

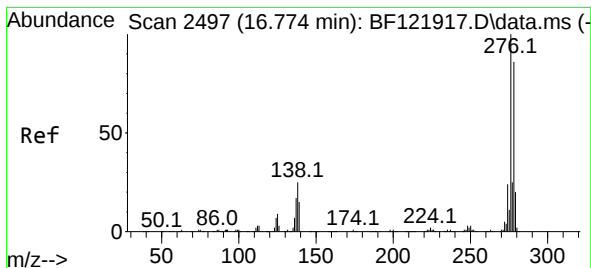
Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

265 22.2 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.12 ng

RT: 16.757 min Scan# 2494

Delta R.T. -0.006 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

Tgt Ion:276 Resp: 247456

Ion Ratio Lower Upper

276 100

138 21.2 19.9 29.9

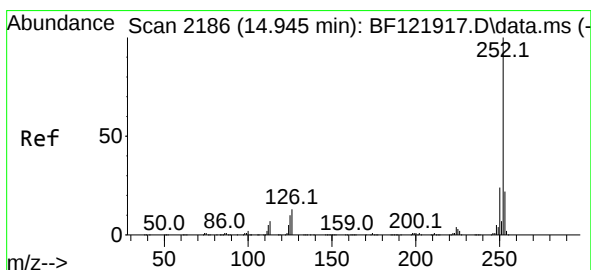
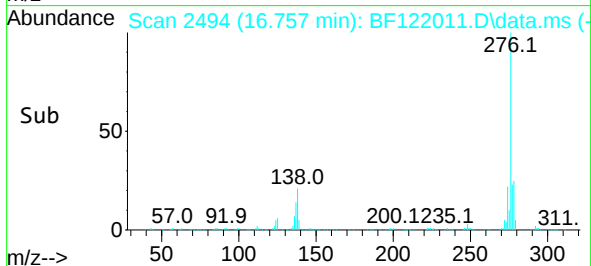
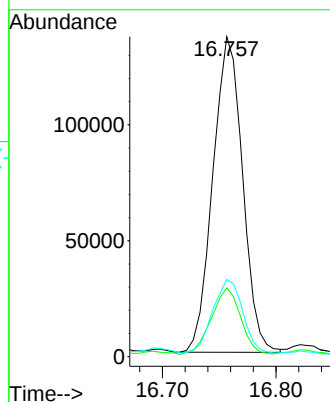
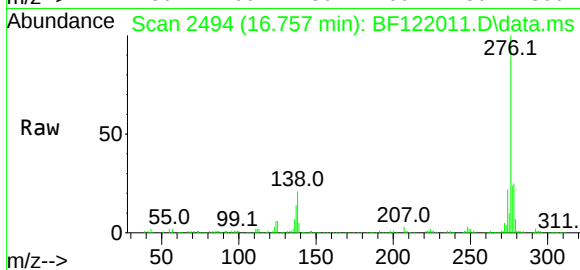
277 23.5 20.4 30.6

Instrument :

BNA_F

ClientSampleId :

TP-3DL



#88

Benzo(b)fluoranthene

Concen: 36.41 ng

RT: 14.933 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

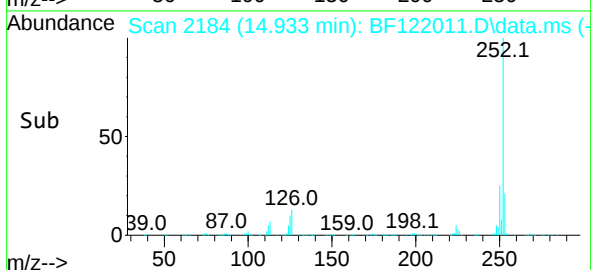
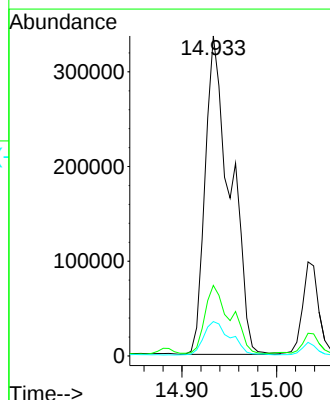
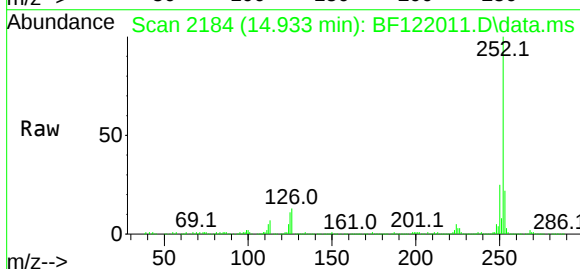
Tgt Ion:252 Resp: 620378

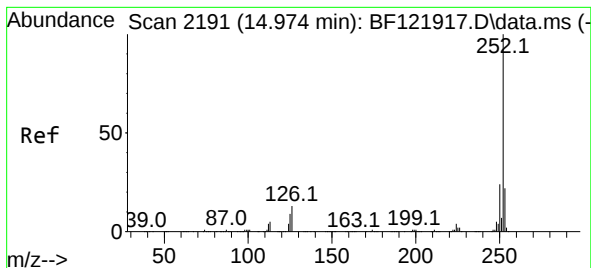
Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

125 10.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 38.33 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.029 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

Tgt Ion:252 Resp: 620378

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

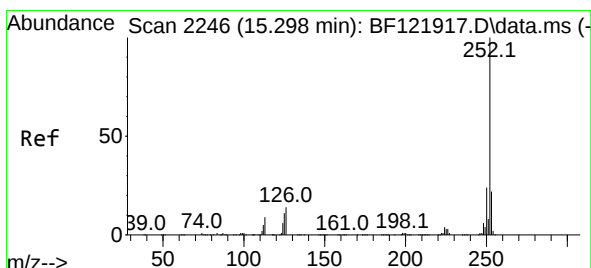
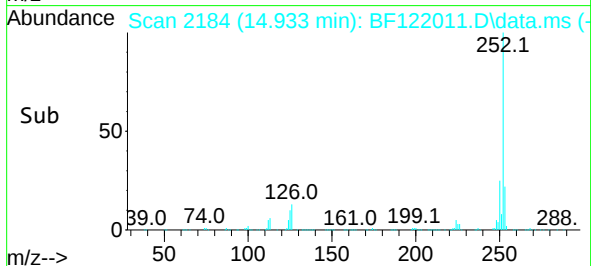
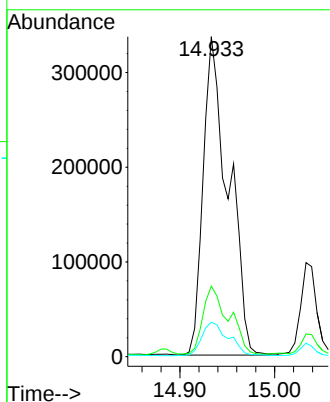
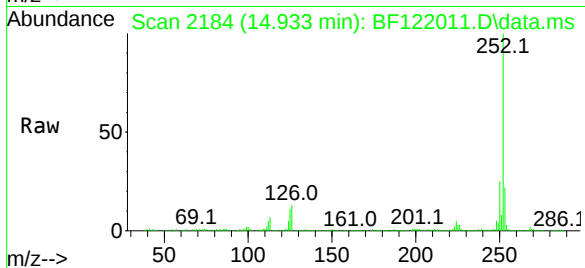
125 10.7 7.7 11.5

Instrument :

BNA_F

ClientSampleId :

TP-3DL



#90

Benzo(a)pyrene

Concen: 27.52 ng

RT: 15.286 min Scan# 2244

Delta R.T. 0.000 min

Lab File: BF122011.D

Acq: 16 Oct 2020 15:11

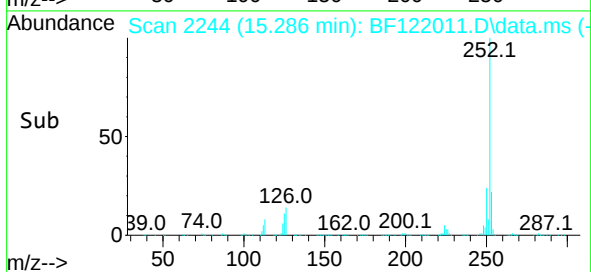
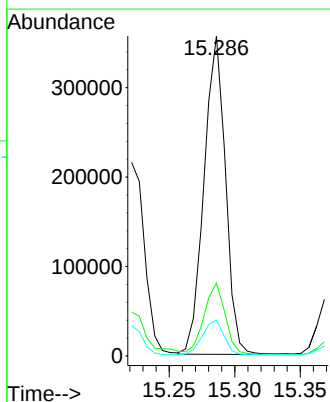
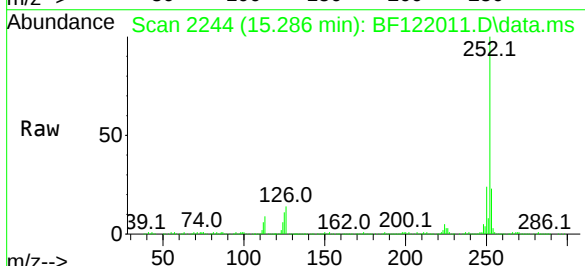
Tgt Ion:252 Resp: 404920

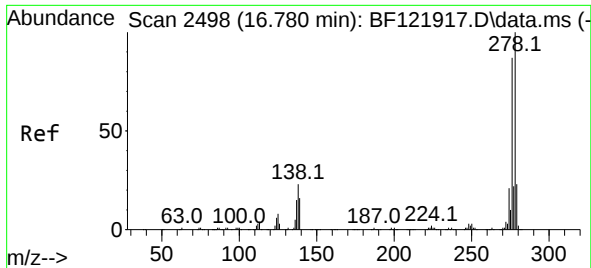
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 11.2 8.6 13.0

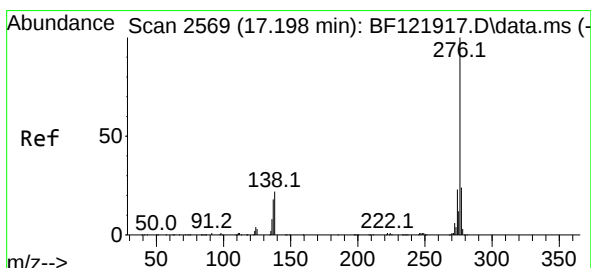
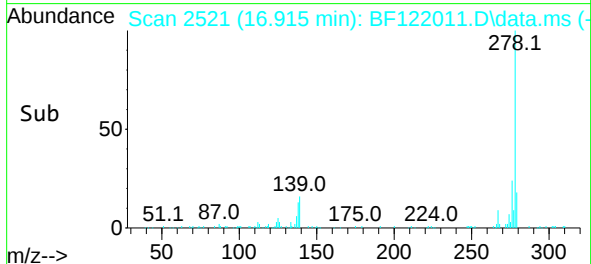
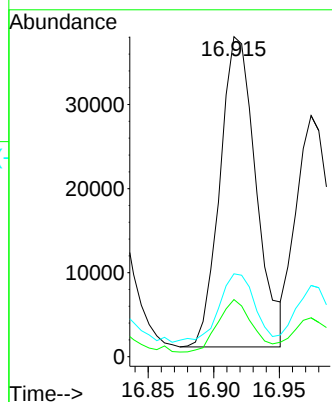
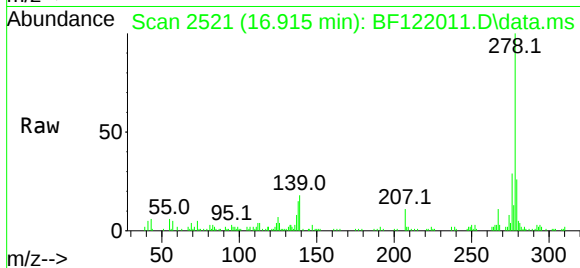




#91
Dibenzo(a,h)anthracene
Concen: 5.25 ng
RT: 16.915 min Scan# 2521
Delta R.T. 0.147 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Instrument :
BNA_F
ClientSampleId :
TP-3DL

Tgt Ion:278 Resp: 70682
Ion Ratio Lower Upper
278 100
139 17.8 13.0 19.4
279 25.9 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 17.15 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BF122011.D
Acq: 16 Oct 2020 15:11

Tgt Ion:276 Resp: 231244
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.2
138 22.0 17.8 26.6

