

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111557.D
 Acq On : 17 Dec 2018 23:40
 Operator : JU/SJ
 Sample : J6403-33
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

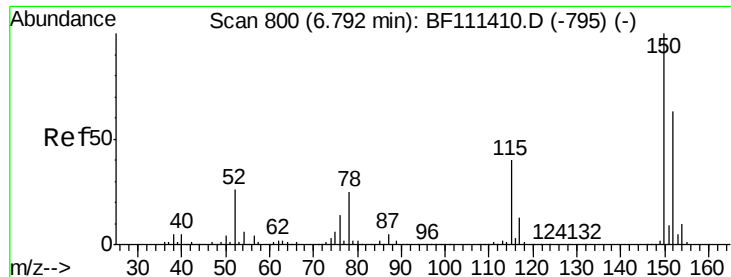
Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Quant Time: Dec 18 04:13:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110622	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	440874	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	201611	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	303678	20.00	ng	0.00
76) Chrysene-d12	13.94	240	214816	20.00	ng	0.00
87) Perylene-d12	15.39	264	196745	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	694962	104.54	ng	0.00
7) Phenol-d6	6.43	99	703160	79.52	ng	0.00
23) Nitrobenzene-d5	7.35	82	426366	57.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.61	330	128942	71.40	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	744717	57.06	ng	-0.01
79) Terphenyl-d14	12.89	244	488173	53.36	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	43841	4.451	ng	94
19) n-Nitroso-di-n-propylamine	7.35	70	57866	9.919	ng	# 77
25) Isophorone	7.35	82	426360	34.035	ng	# 64
50) Dimethylphthalate	9.54	163	104424	7.192	ng	96
52) Acenaphthene	9.86	154	75814	6.223	ng	97
56) 4-Nitrophenol	10.03	139	12079	4.397	ng	# 9
57) 2,4-Dinitrotoluene	9.82	165	27162	6.332	ng	# 24
58) Fluorene	10.37	166	47921	3.736	ng	99
67) 4-Bromophenyl-phenylether	10.61	248	8469	2.588	ng	# 1
71) Phenanthrene	11.33	178	214810	13.728	ng	# 91
72) Anthracene	11.33	178	214810	13.423	ng	92
75) Fluoranthene	12.52	202	230374	15.049	ng	94
78) Pyrene	12.74	202	198795	13.126	ng	93
81) Benzo(a)anthracene	13.93	228	95398	8.167	ng	99
83) Chrysene	13.97	228	83405	6.778	ng	98
86) Indeno(1,2,3-cd)pyrene	16.79	276	33657	3.790	ng	# 89
88) Benzo(b)fluoranthene	14.97	252	149762	13.056	ng	97
89) Benzo(k)fluoranthene	14.97	252	149762	13.664	ng	98
90) Benzo(a)pyrene	15.32	252	75930	7.341	ng	94
92) Benzo(g,h,i)perylene	17.22	276	34224	4.273	ng	# 90

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

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ALS Vial  : 18      Sample Multiplier: 1
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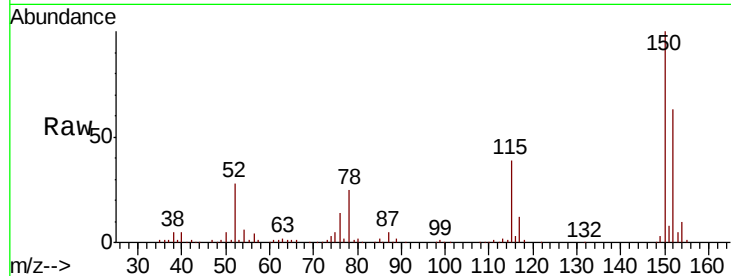


#1

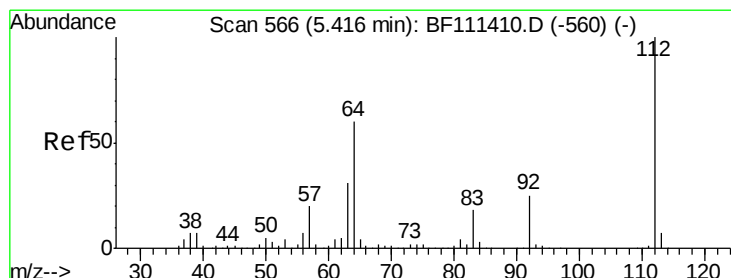
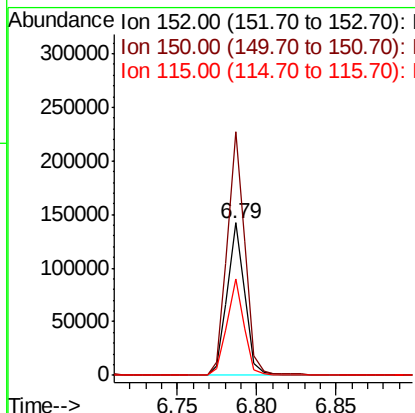
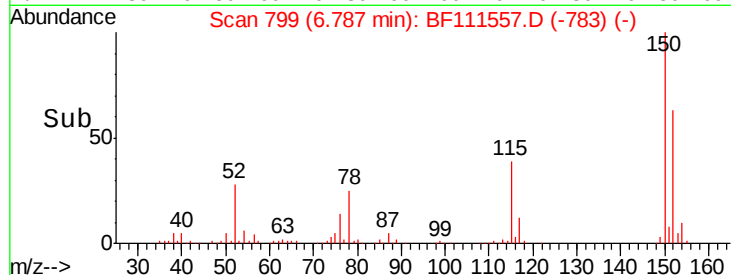
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tgt Ion:152 Resp: 110622
Ion Ratio Lower Upper
152 100
150 159.4 126.6 189.8
115 63.0 50.7 76.1



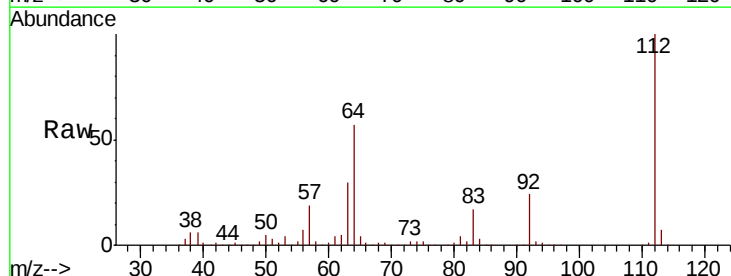
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



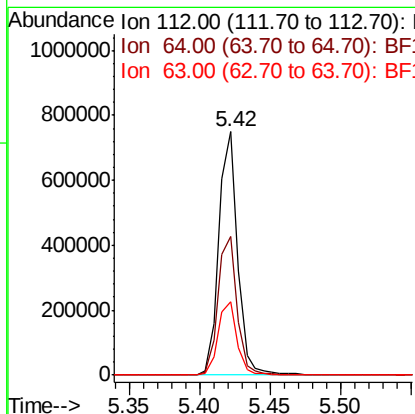
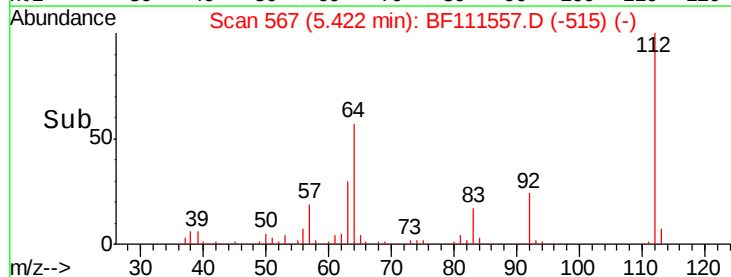
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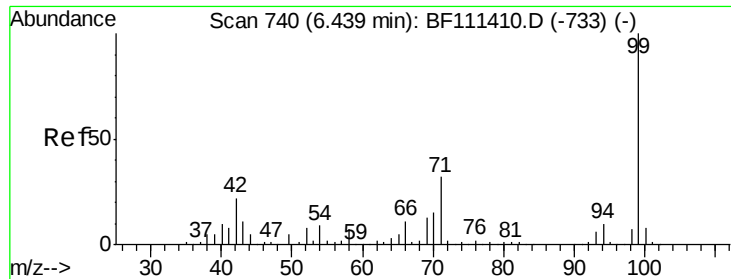
2-Fluorophenol
Concen: 104.541 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:112 Resp: 694962
Ion Ratio Lower Upper
112 100
64 57.0 51.8 77.6
63 29.9 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.519 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

ClientSampleId :

TP-5-A

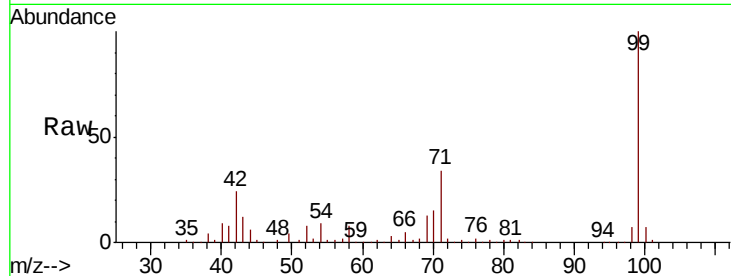
Tgt Ion: 99 Resp: 703160

Ion Ratio Lower Upper

99 100

42 23.6 17.4 26.0

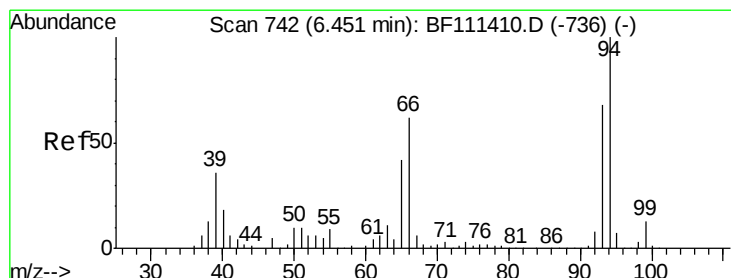
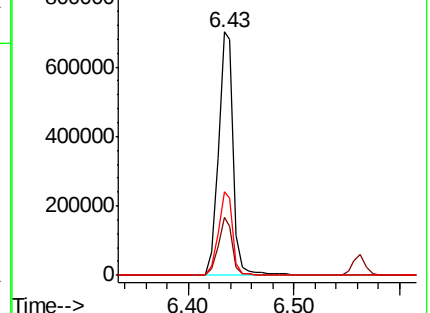
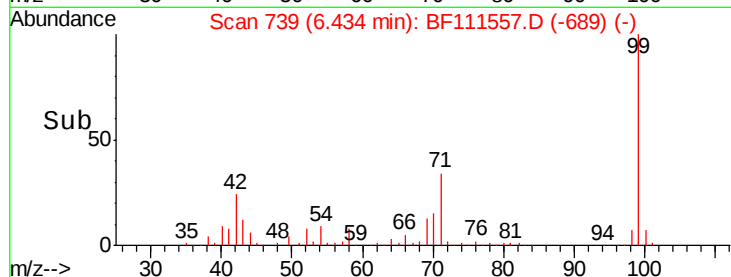
71 34.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.451 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

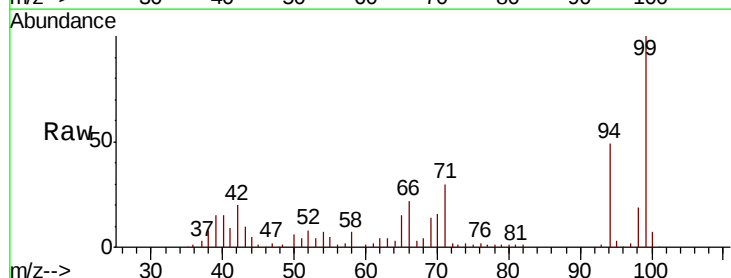
Tgt Ion: 94 Resp: 43841

Ion Ratio Lower Upper

94 100

65 30.1 11.7 51.7

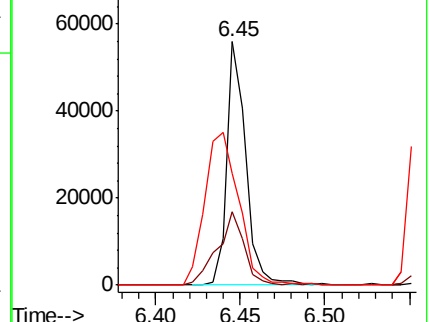
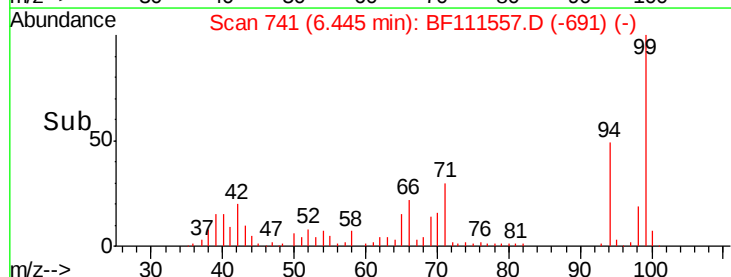
66 45.9 21.0 61.0

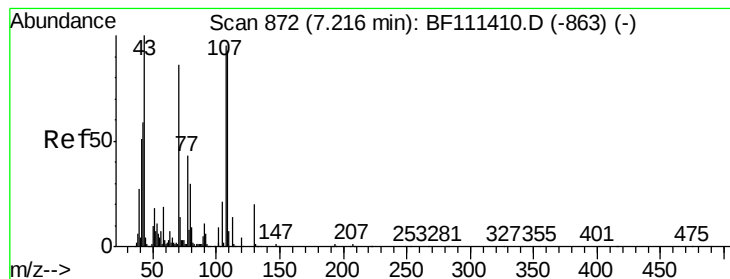


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 9.919 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.13 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

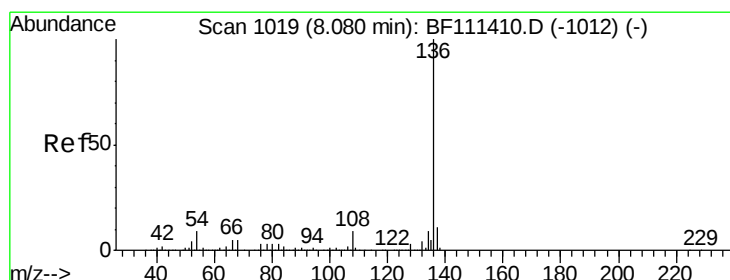
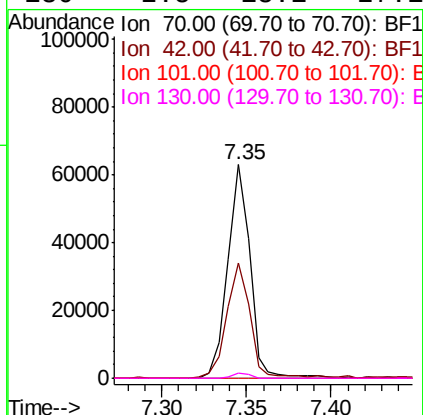
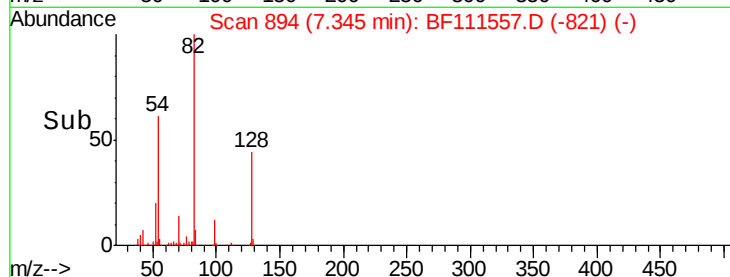
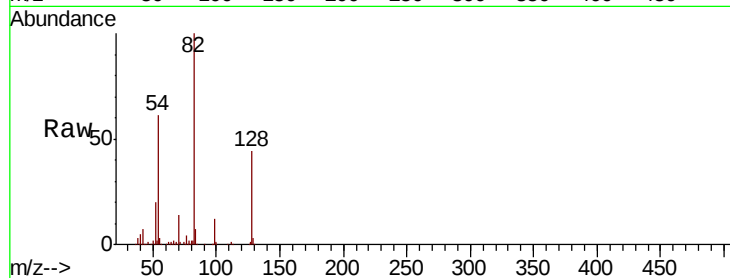
ClientSampleId :

TP-5-A

Tgt Ion: 70 Resp: 57866

Ion Ratio Lower Upper

70	100		
42	54.2	53.2	79.8
101	0.0	8.2	12.4#
130	2.5	18.1	27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

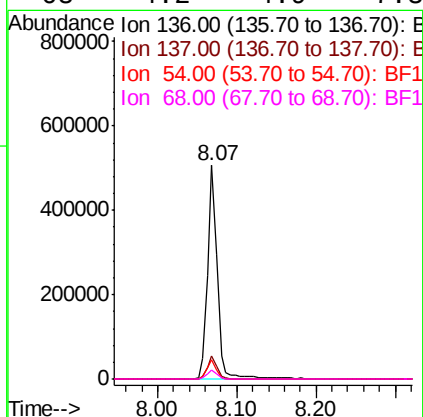
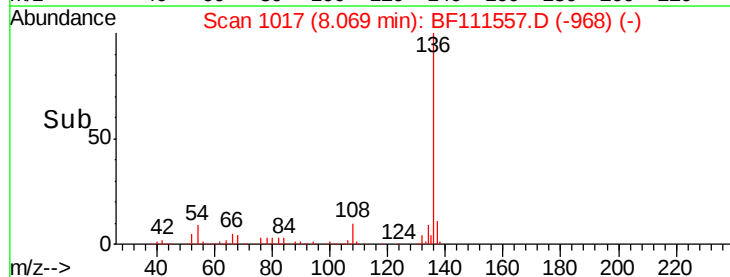
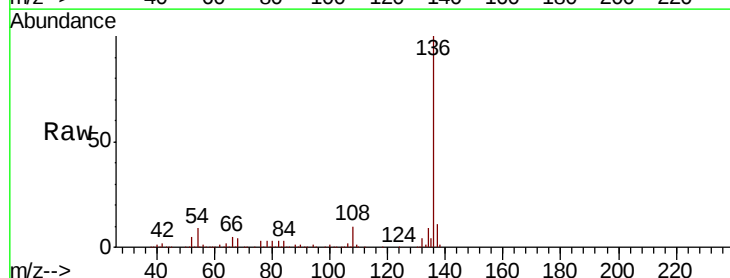
Lab File: BF111557.D

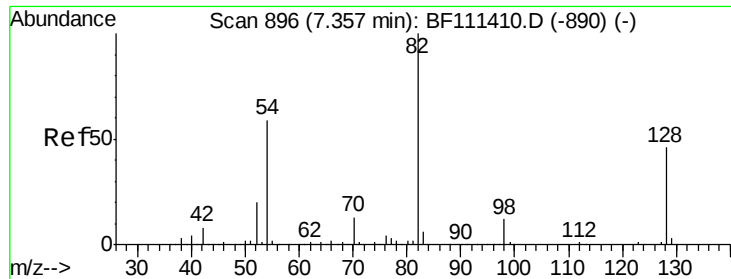
Acq: 17 Dec 2018 23:40

Tgt Ion: 136 Resp: 440874

Ion Ratio Lower Upper

136	100		
137	10.8	9.1	13.7
54	9.2	7.7	11.5
68	4.2	4.9	7.3#

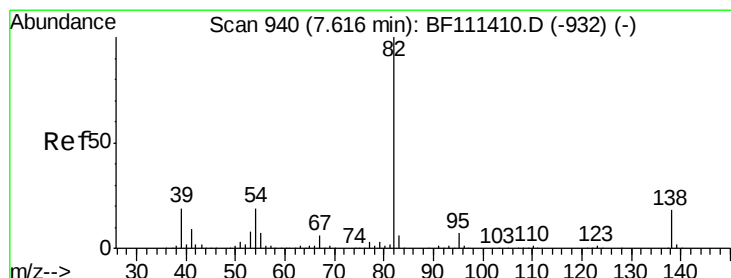
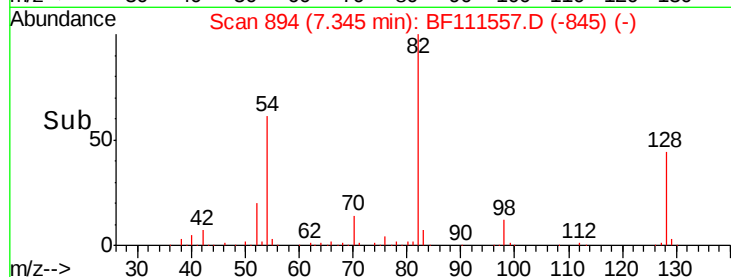
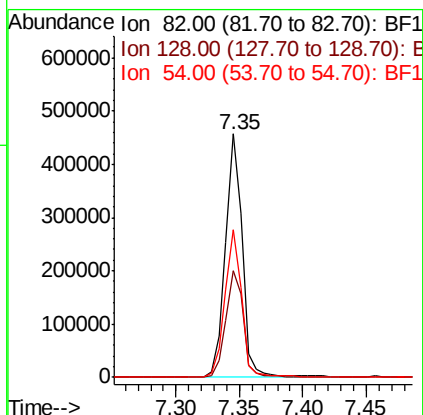
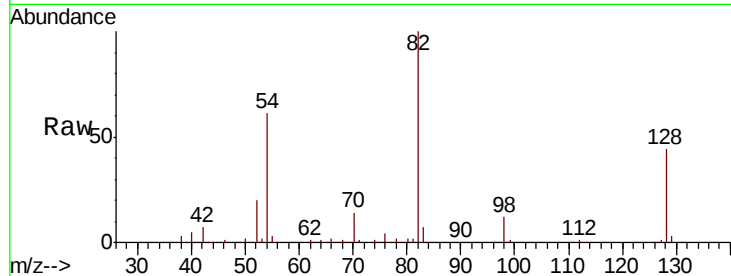




#23
 Nitrobenzene-d5
 Concen: 57.589 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

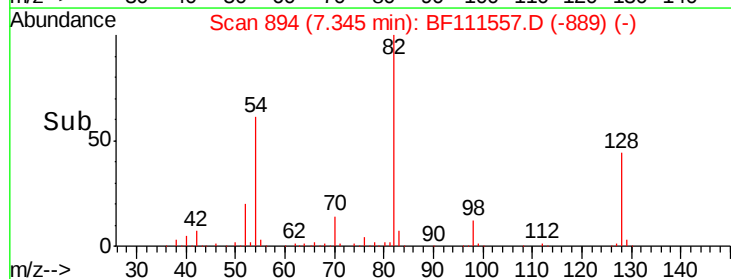
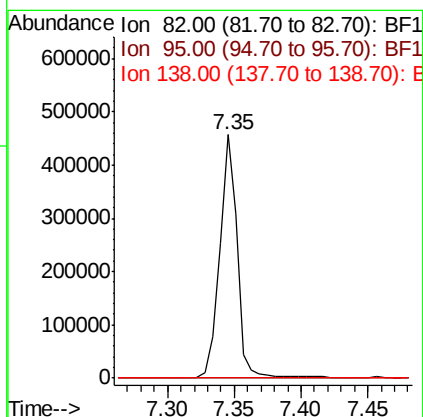
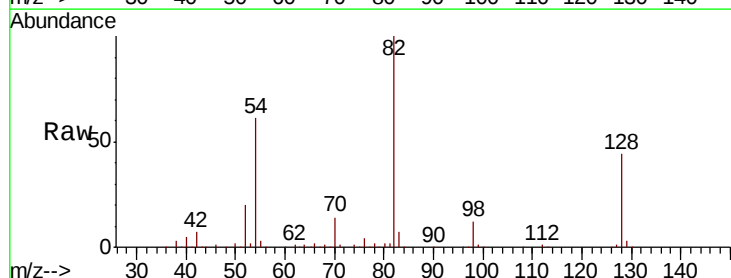
Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

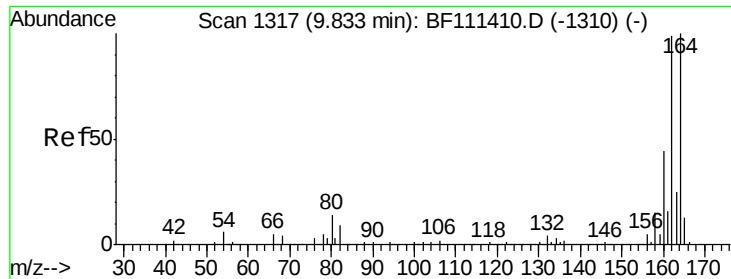
Tgt Ion: 82 Resp: 426366
 Ion Ratio Lower Upper
 82 100
 128 44.0 37.4 56.2
 54 60.7 47.6 71.4



#25
 Isophorone
 Concen: 34.035 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.27 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Tgt Ion: 82 Resp: 426360
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#

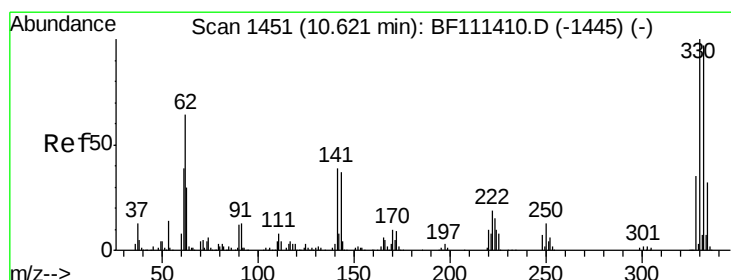
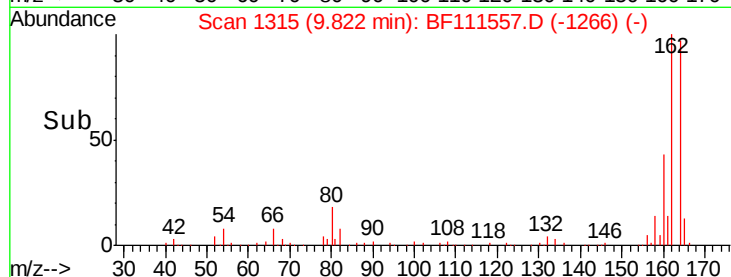
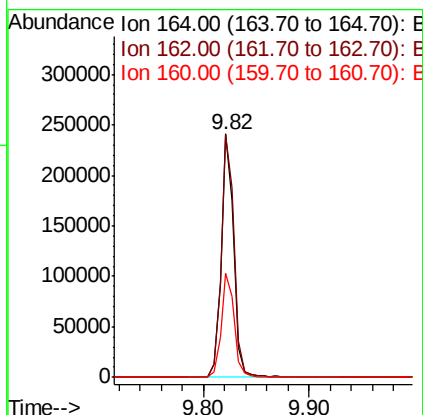
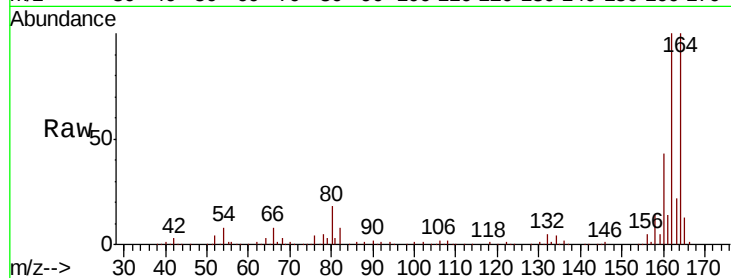




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

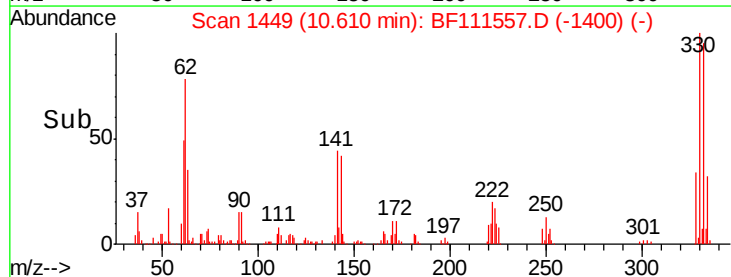
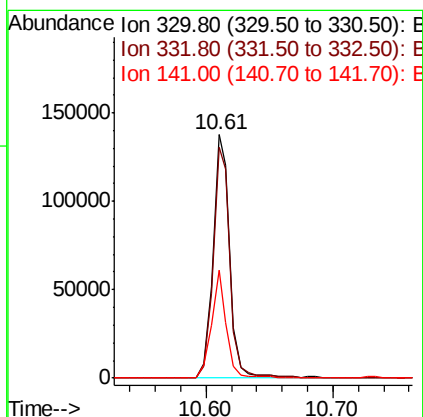
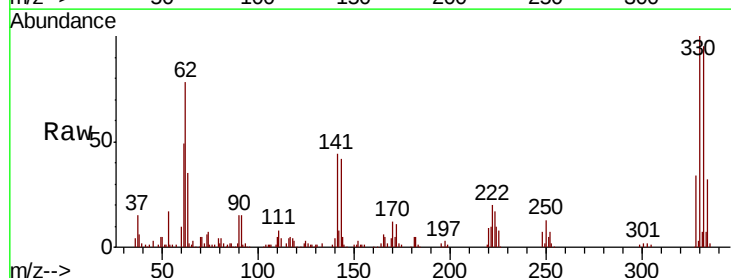
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BNA_F
ClientSampleId :
TP-5-A

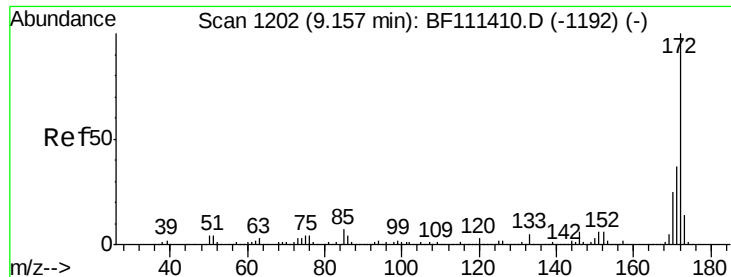
Tgt Ion:164 Resp: 201611
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 42.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 71.396 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:330 Resp: 128942
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 39.6 31.0 46.6

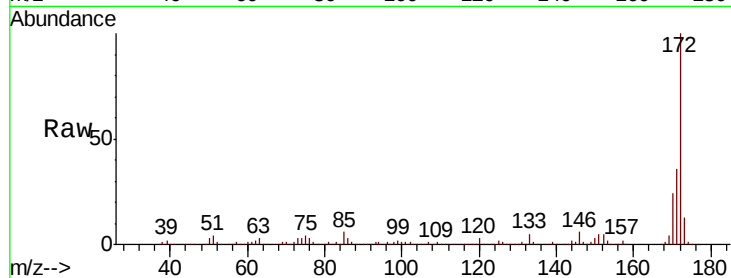




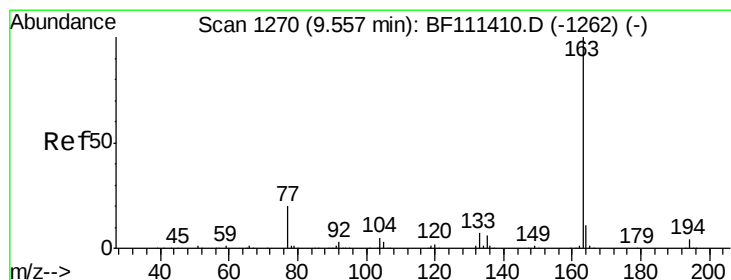
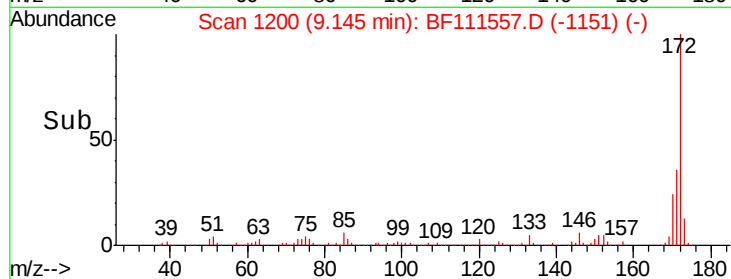
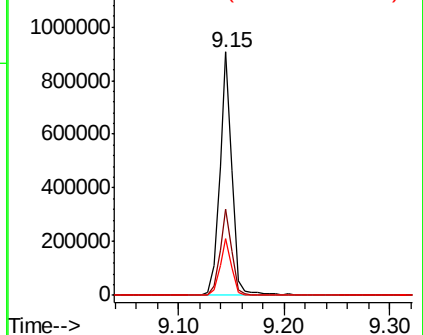
#45
 2-Fluorobiphenyl
 Concen: 57.056 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion:172 Resp: 744717
 Ion Ratio Lower Upper
 172 100
 171 35.5 33.0 49.4
 170 23.5 22.3 33.5

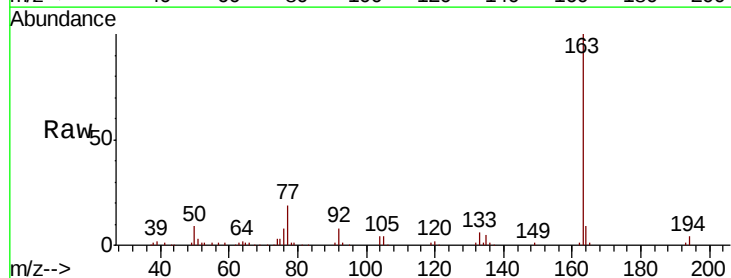


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

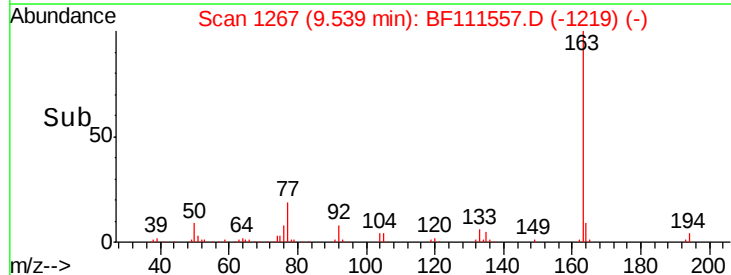
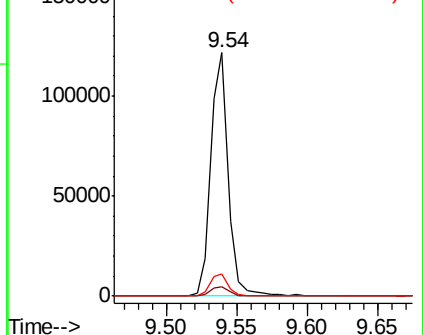


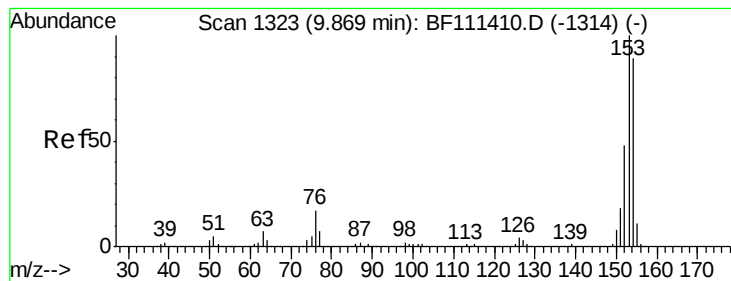
#50
 Dimethylphthalate
 Concen: 7.192 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Tgt Ion:163 Resp: 104424
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.6
 164 9.3 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 6.223 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

ClientSampleId :

TP-5-A

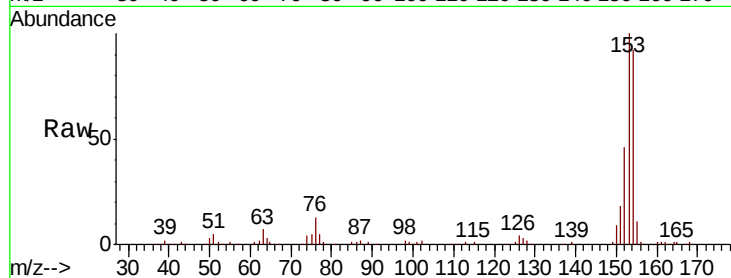
Tgt Ion:154 Resp: 75814

Ion Ratio Lower Upper

154 100

153 108.4 87.8 131.8

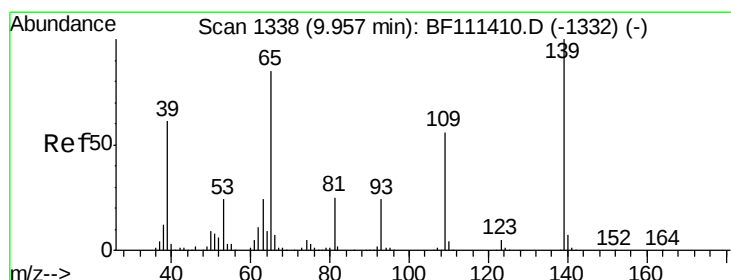
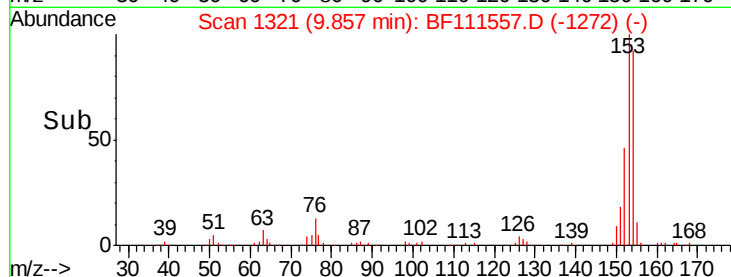
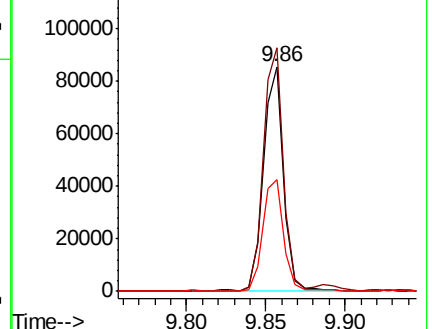
152 49.5 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 4.397 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.07 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

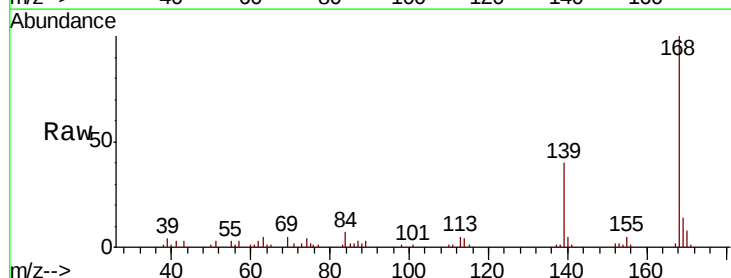
Tgt Ion:139 Resp: 12079

Ion Ratio Lower Upper

139 100

109 0.0 41.8 81.8#

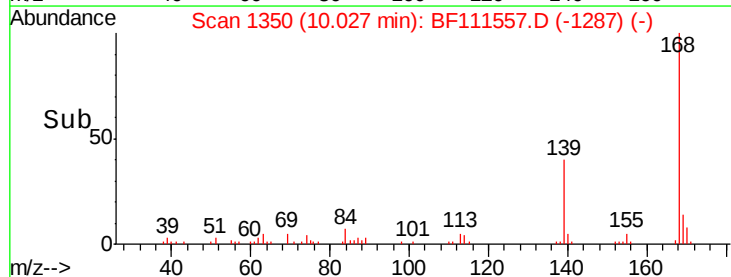
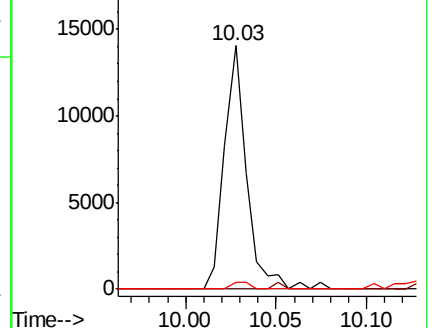
65 2.7 79.6 119.6#

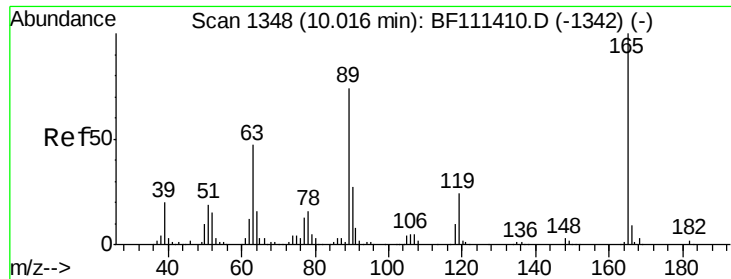


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

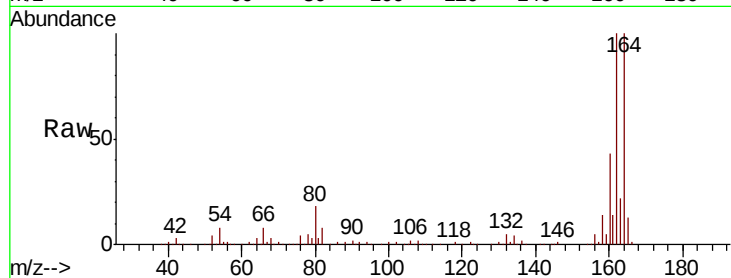




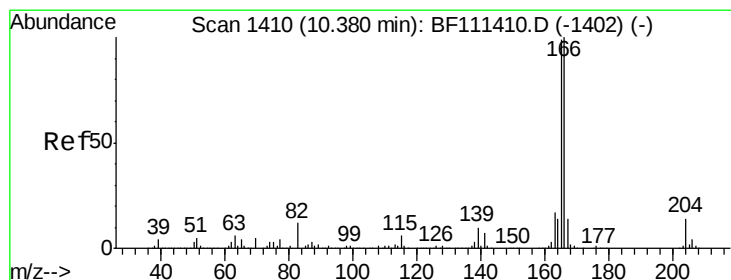
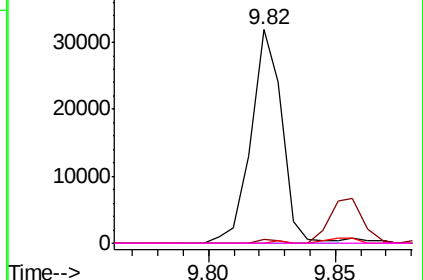
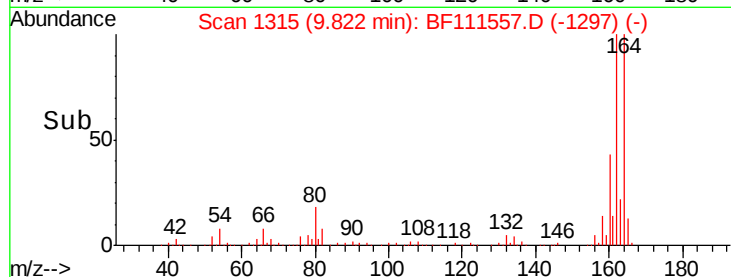
#57
2,4-Dinitrotoluene
Concen: 6.332 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Instrument :
BNA_F
ClientSampleId :
TP-5-A

Tgt Ion:	165	Resp:	27162
Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.6	52.0#
89	0.0	56.2	84.4#
182	0.0	1.8	2.6#

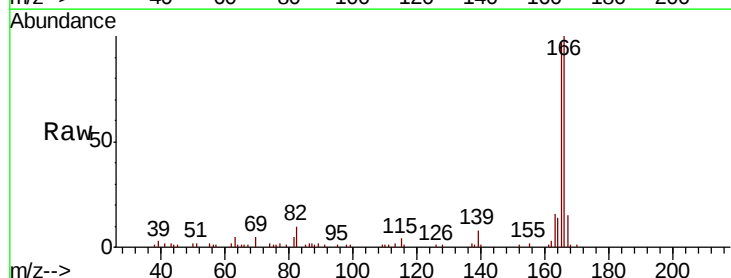


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

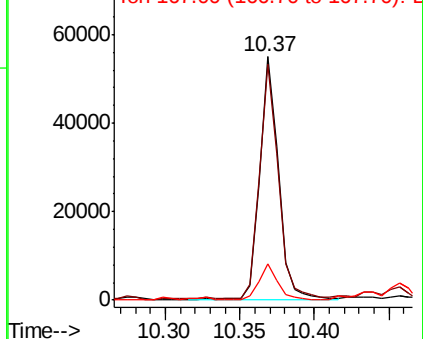
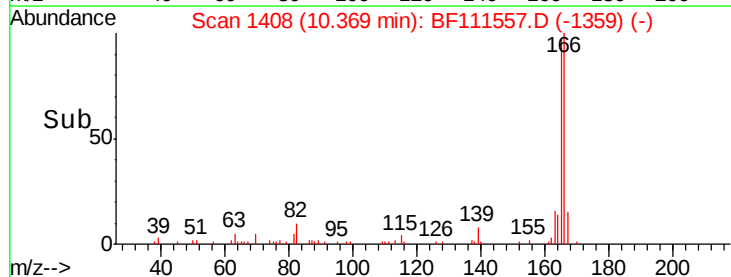


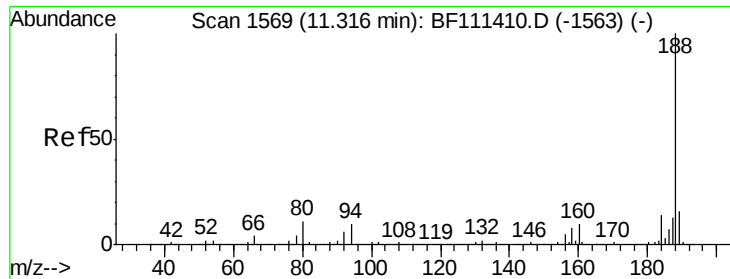
#58
Fluorene
Concen: 3.736 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:	166	Resp:	47921
Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.4	117.6
167	15.1	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

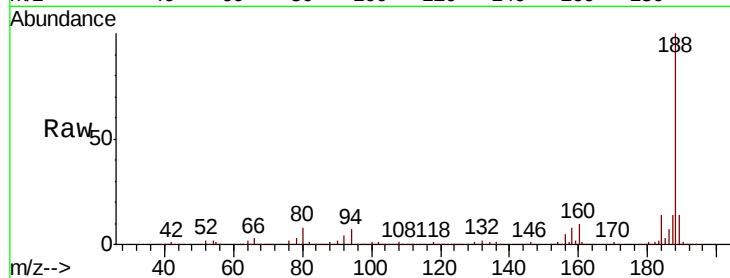




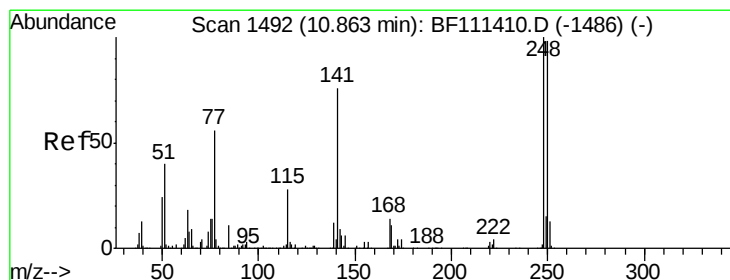
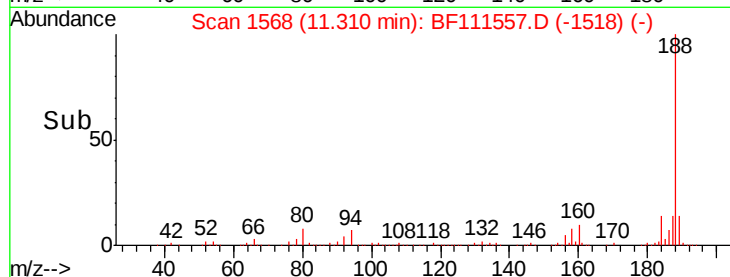
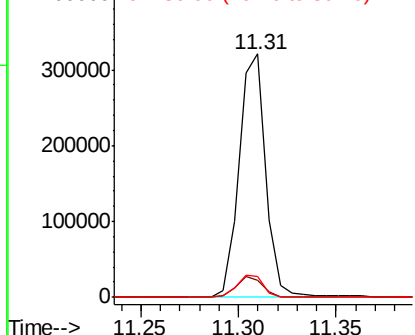
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion:188 Resp: 303678
 Ion Ratio Lower Upper
 188 100
 94 7.0 9.6 14.4#
 80 8.4 9.8 14.6#

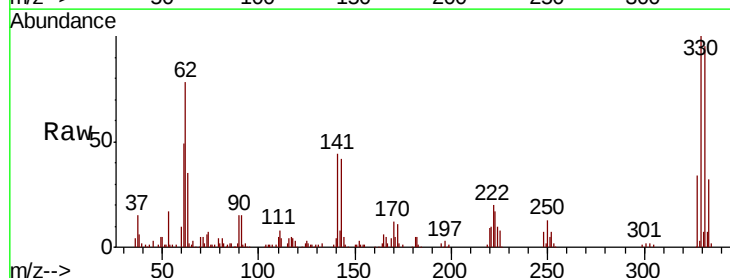


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

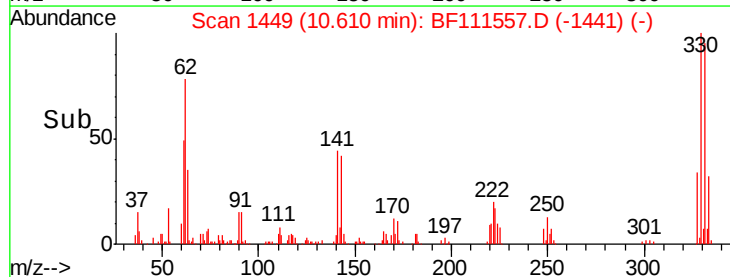
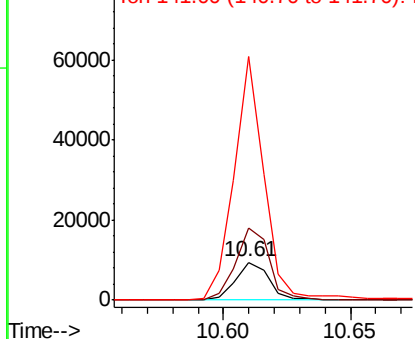


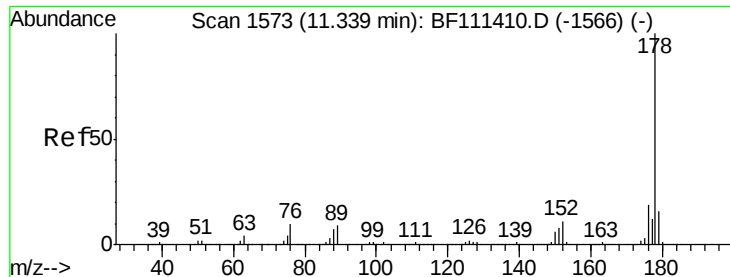
#67
 4-Bromophenyl-phenylether
 Concen: 2.588 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.25 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Tgt Ion:248 Resp: 8469
 Ion Ratio Lower Upper
 248 100
 250 192.7 77.0 115.4#
 141 645.9 63.0 94.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

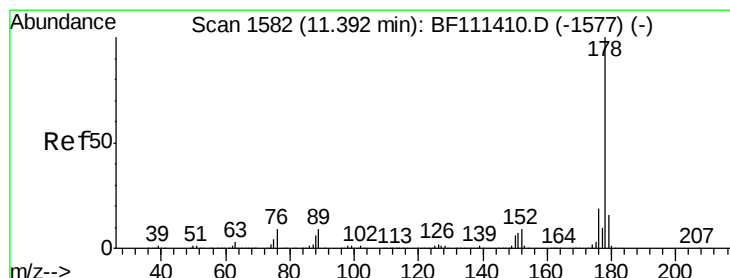
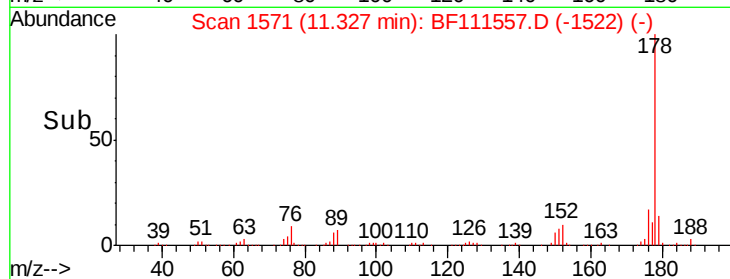
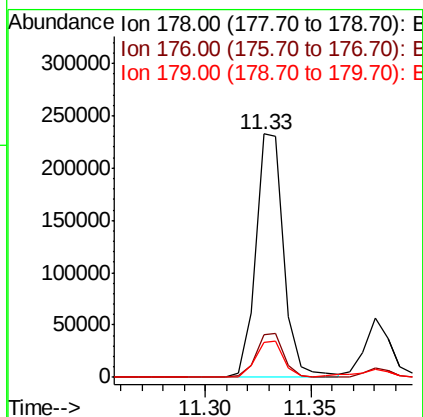
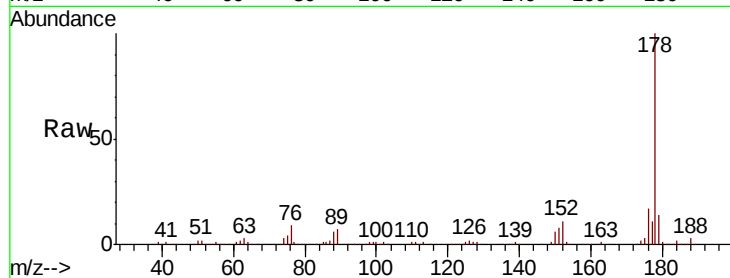




#71
Phenanthrene
Concen: 13.728 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

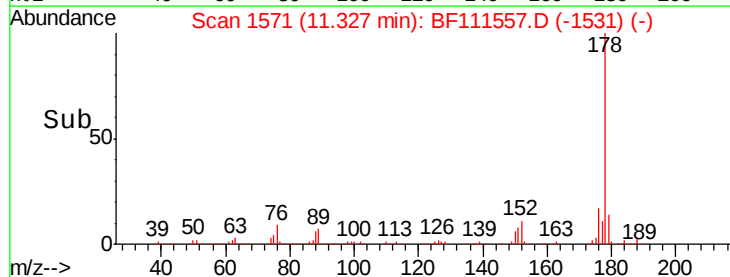
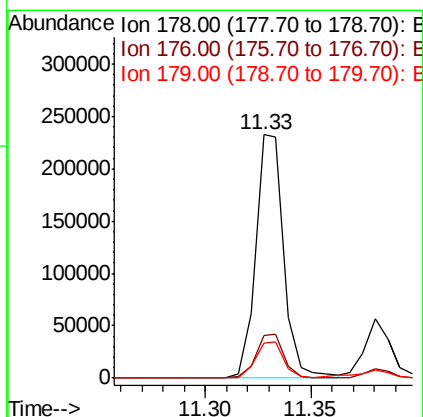
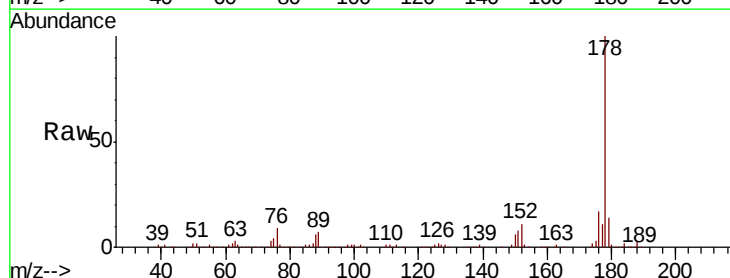
Instrument :
BNA_F
ClientSampleId :
TP-5-A

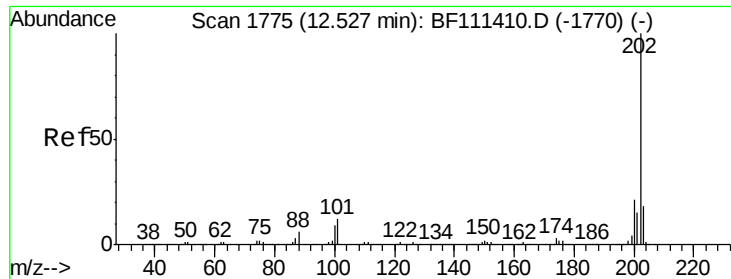
Tgt Ion:178 Resp: 214810
Ion Ratio Lower Upper
178 100
176 17.4 18.1 27.1#
179 14.4 14.0 21.0



#72
Anthracene
Concen: 13.423 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.06 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:178 Resp: 214810
Ion Ratio Lower Upper
178 100
176 17.4 17.2 25.8
179 14.4 13.8 20.8





#75

Fluoranthene

Concen: 15.049 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

ClientSampleId :

TP-5-A

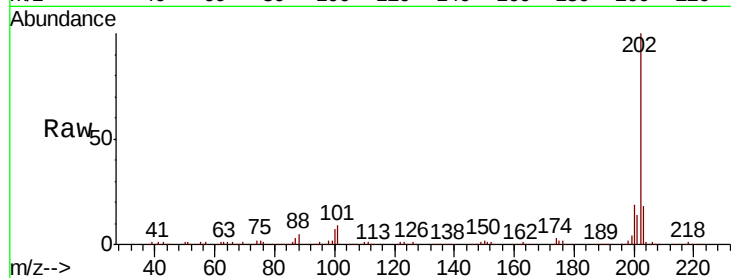
Tgt Ion:202 Resp: 230374

Ion Ratio Lower Upper

202 100

101 9.3 0.0 33.8

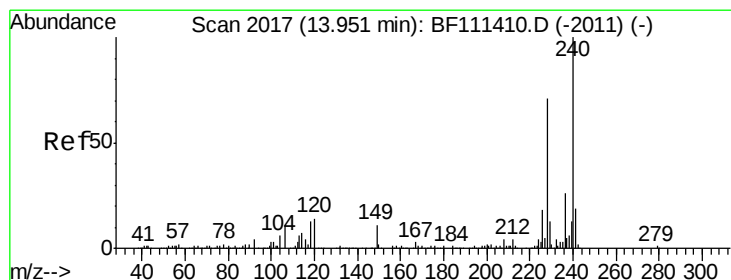
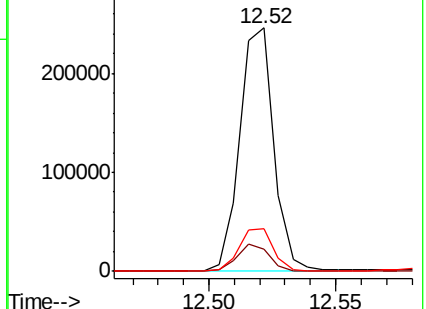
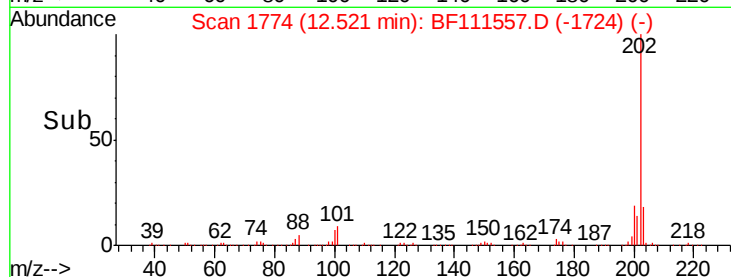
203 17.6 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

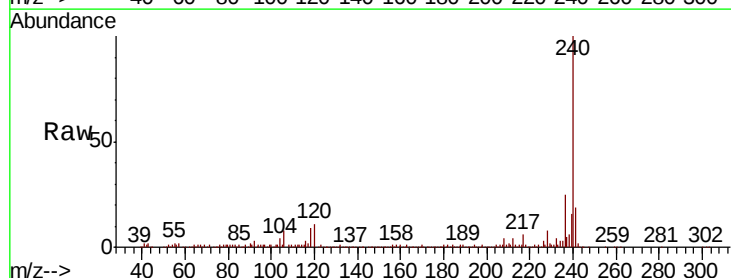
Tgt Ion:240 Resp: 214816

Ion Ratio Lower Upper

240 100

120 10.6 12.2 18.2#

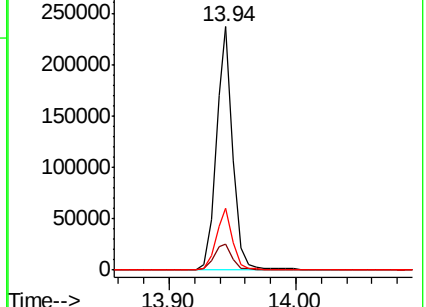
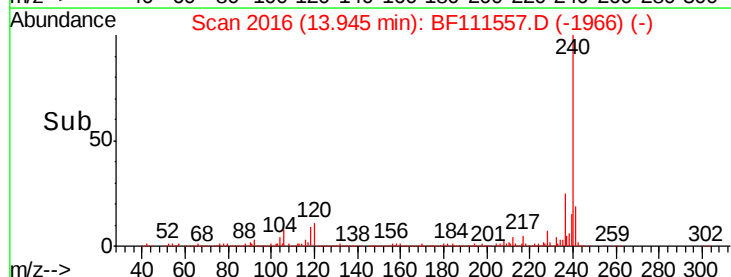
236 25.4 20.2 30.2

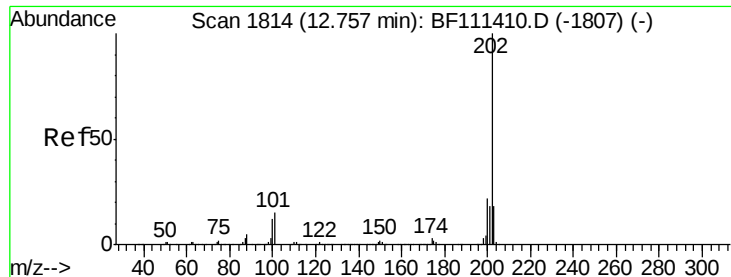


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 13.126 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

ClientSampleId :

TP-5-A

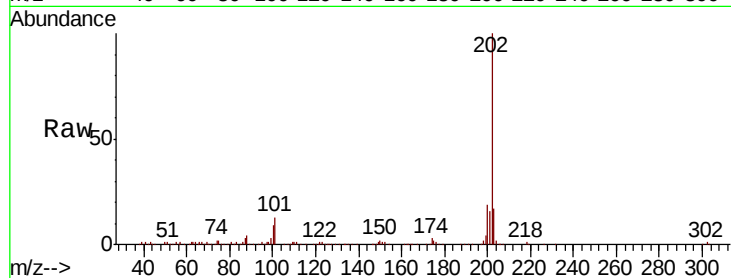
Tgt Ion:202 Resp: 198795

Ion Ratio Lower Upper

202 100

200 19.4 19.0 28.4

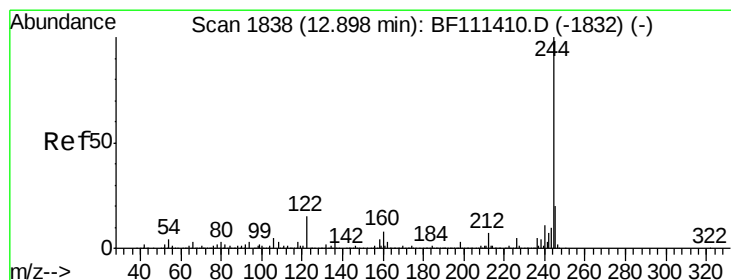
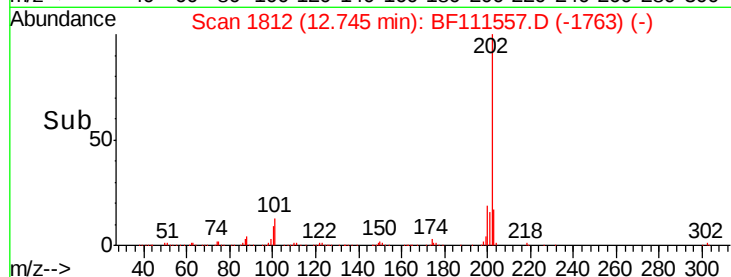
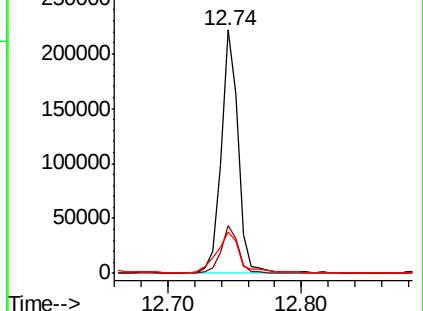
203 17.0 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 53.364 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

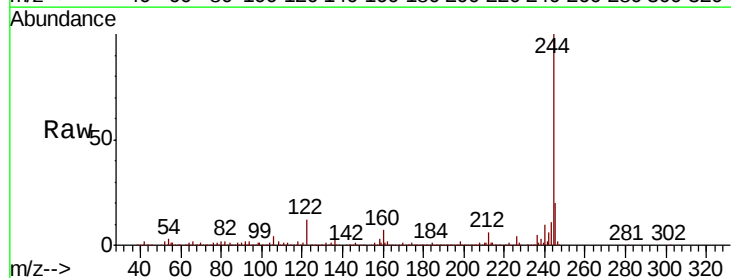
Tgt Ion:244 Resp: 488173

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

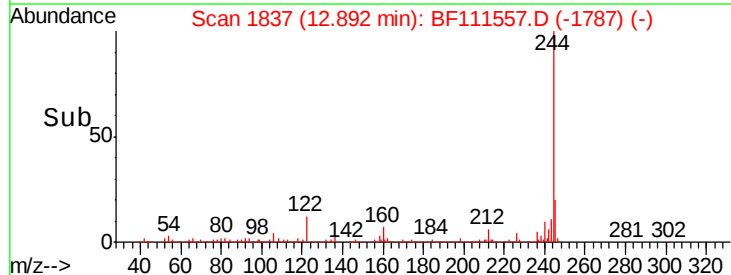
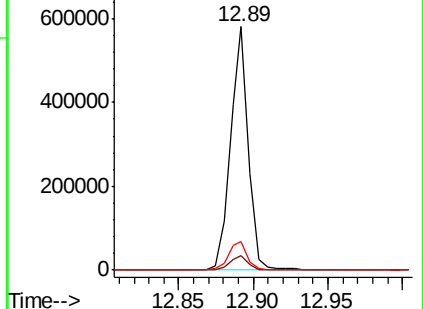
122 11.7 13.1 19.7#

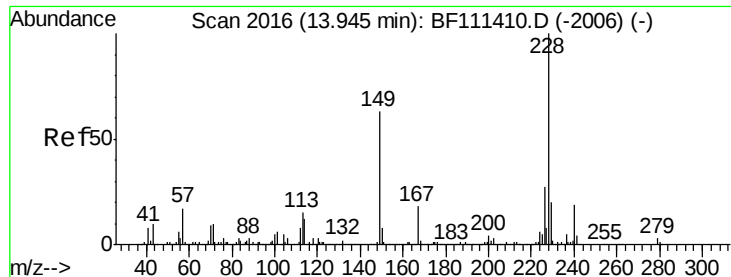


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

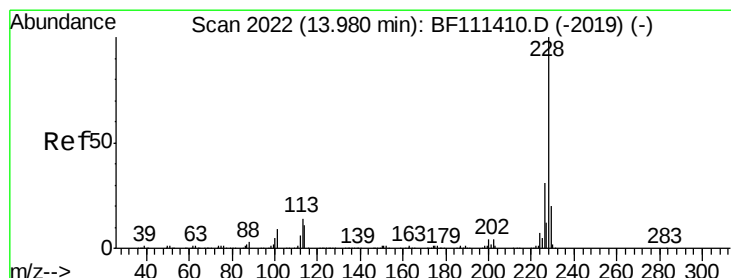
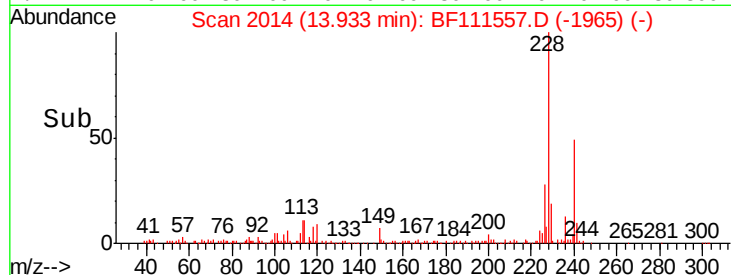
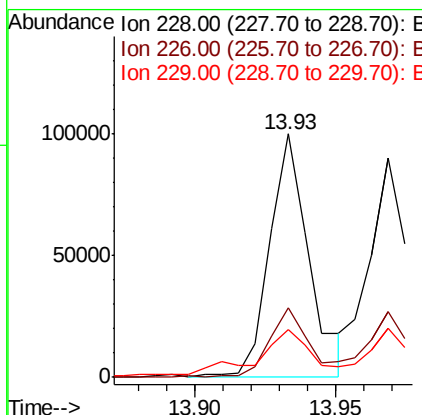
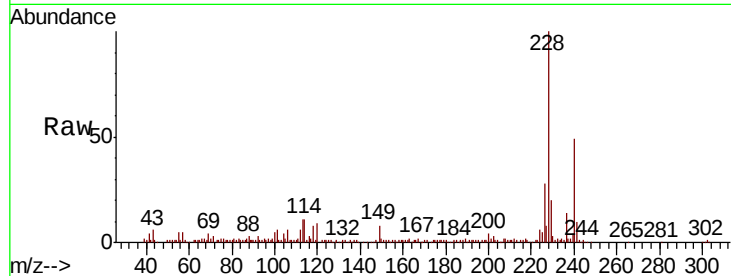




#81
Benzo(a)anthracene
Concen: 8.167 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

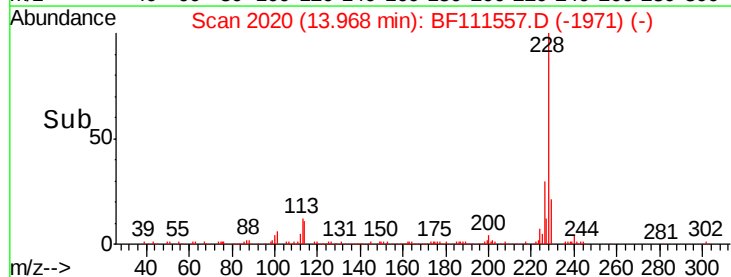
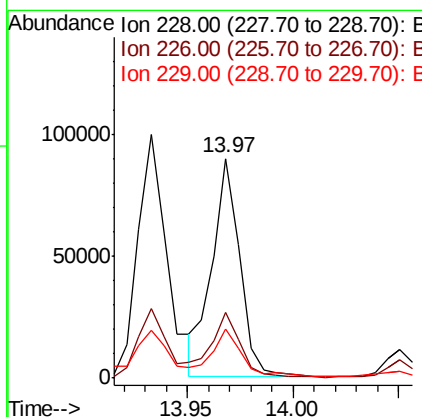
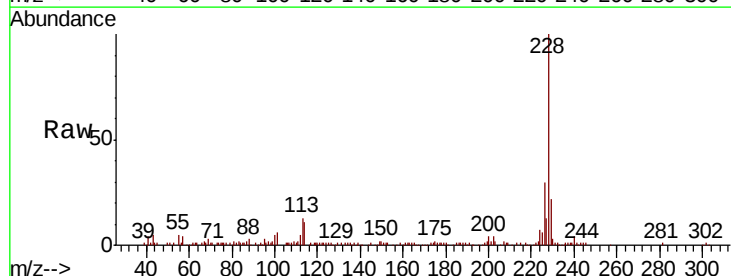
Instrument :
BNA_F
ClientSampleId :
TP-5-A

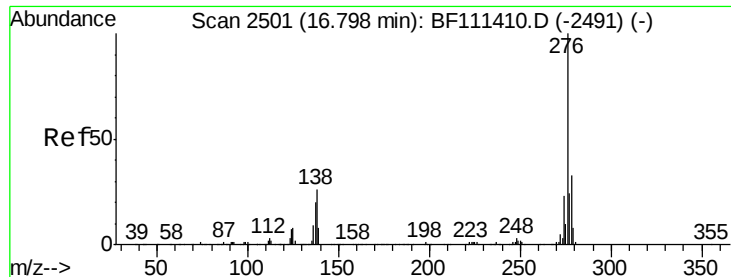
Tgt Ion:228 Resp: 95398
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 19.6 16.3 24.5



#83
Chrysene
Concen: 6.778 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:228 Resp: 83405
Ion Ratio Lower Upper
228 100
226 30.1 25.3 37.9
229 22.1 17.2 25.8

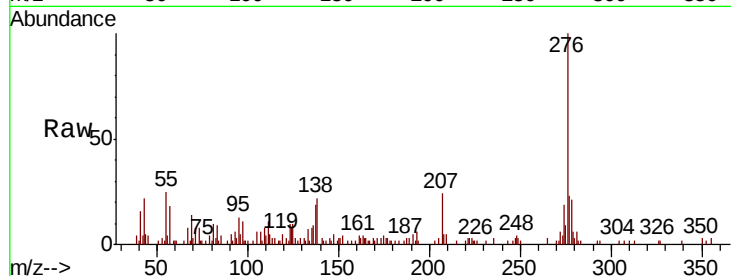




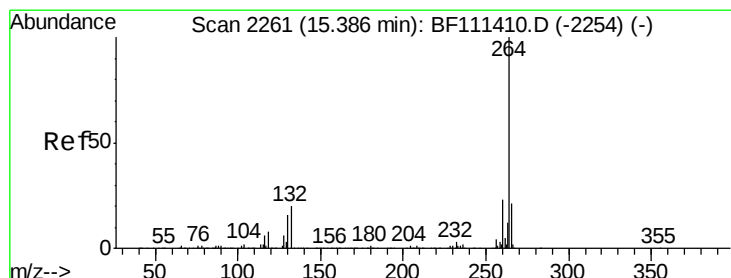
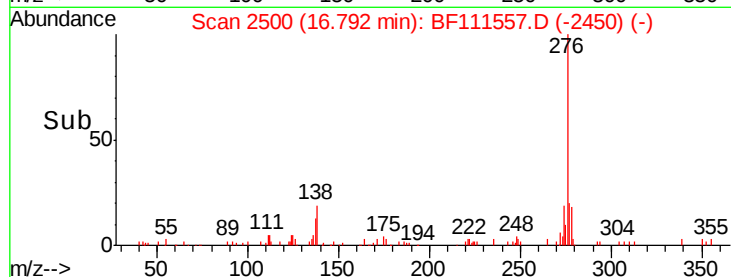
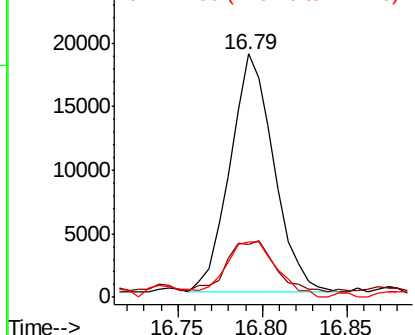
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.790 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-A

Tgt Ion:276 Resp: 33657
 Ion Ratio Lower Upper
 276 100
 138 26.0 27.8 41.6#
 277 27.5 20.1 30.1

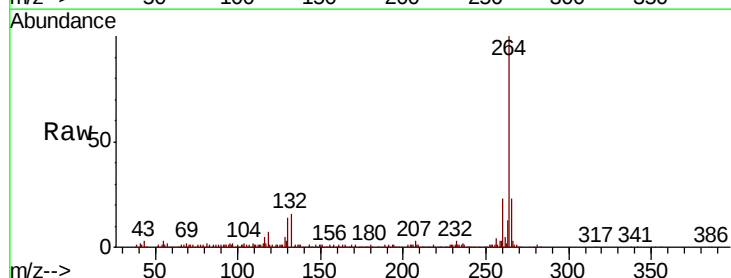


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

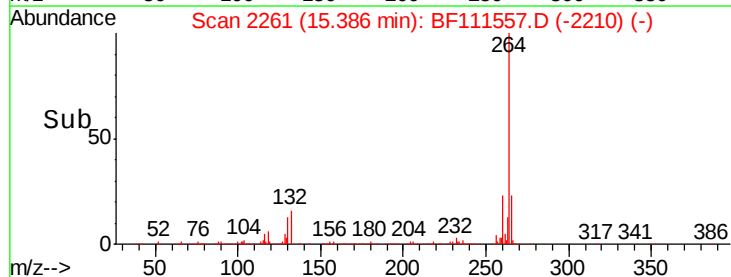
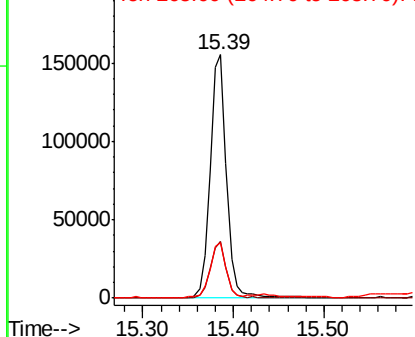


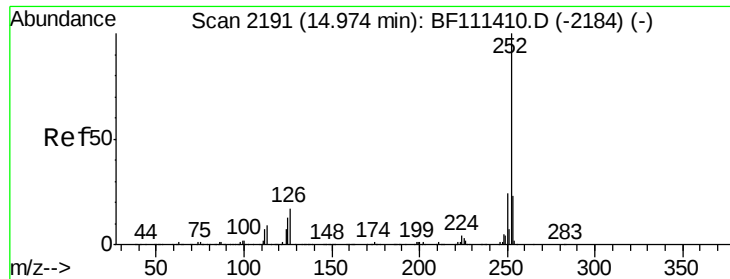
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111557.D
 Acq: 17 Dec 2018 23:40

Tgt Ion:264 Resp: 196745
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.3 27.5
 265 22.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

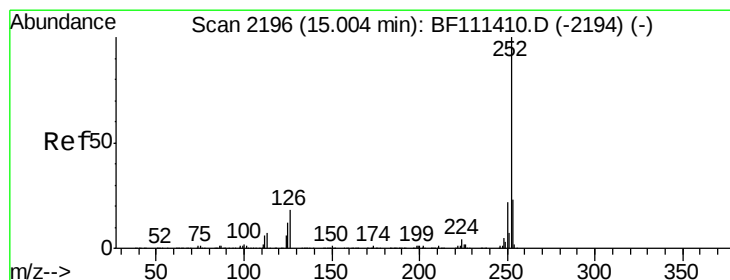
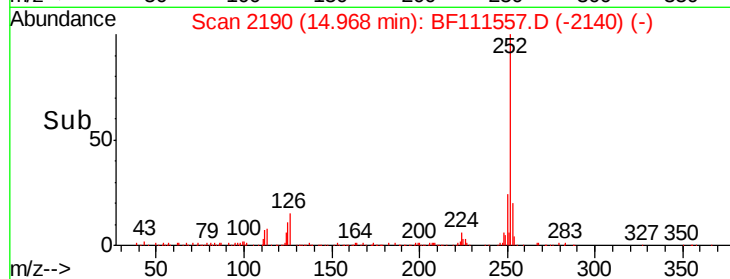
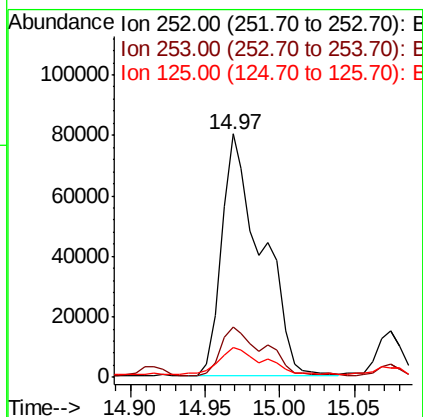
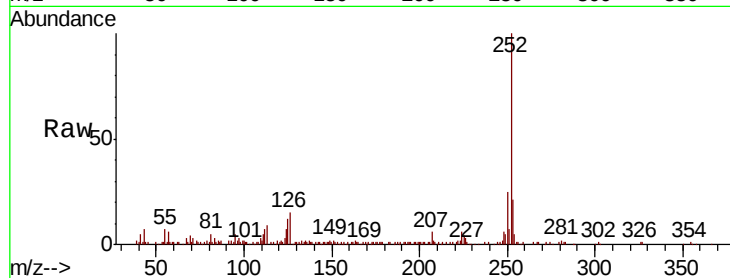




#88
Benzo(b)fluoranthene
Concen: 13.056 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

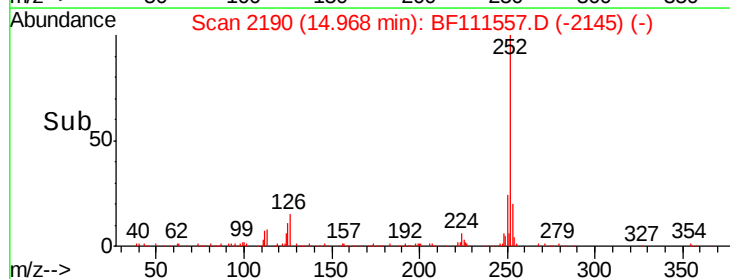
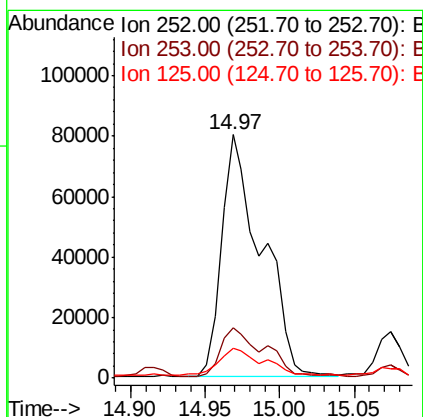
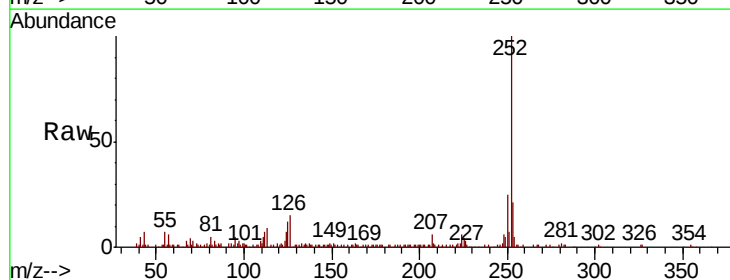
Instrument :
BNA_F
ClientSampled :
TP-5-A

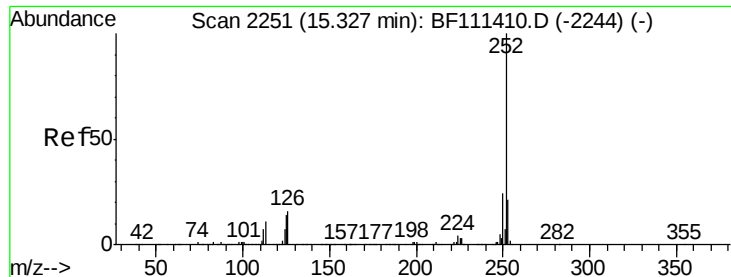
Tgt Ion:252 Resp: 149762
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.2
125 12.2 10.4 15.6



#89
Benzo(k)fluoranthene
Concen: 13.664 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111557.D
Acq: 17 Dec 2018 23:40

Tgt Ion:252 Resp: 149762
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 12.2 9.8 14.8





#90

Benzo(a)pyrene

Concen: 7.341 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

Instrument :

BNA_F

ClientSampleId :

TP-5-A

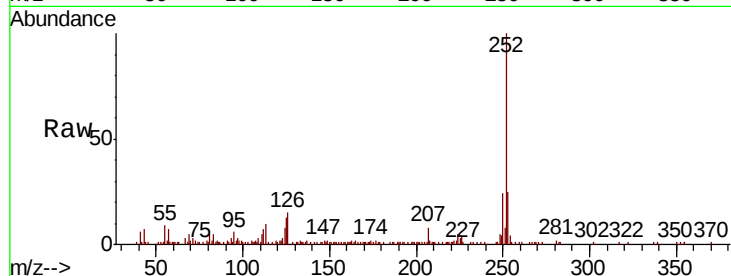
Tgt Ion: 252 Resp: 75930

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

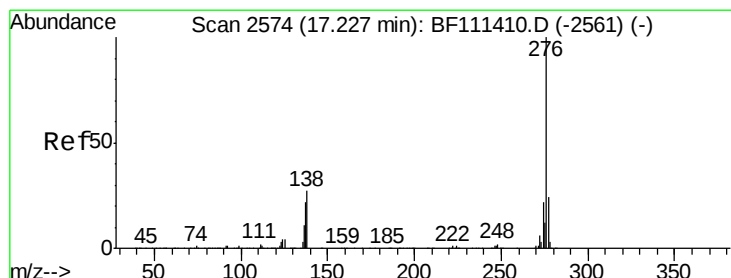
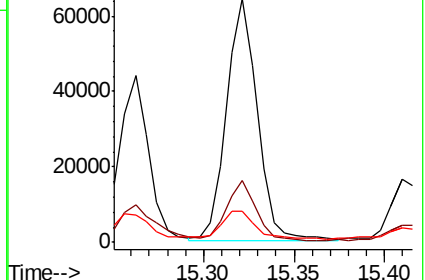
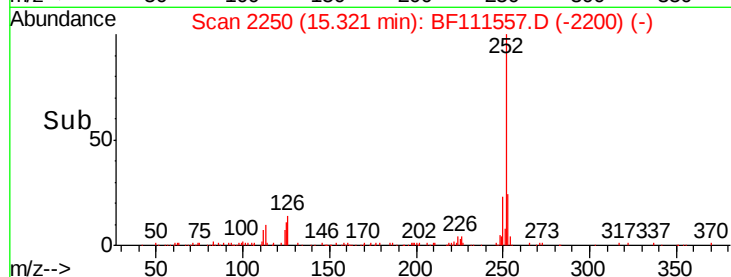
125 12.6 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.273 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111557.D

Acq: 17 Dec 2018 23:40

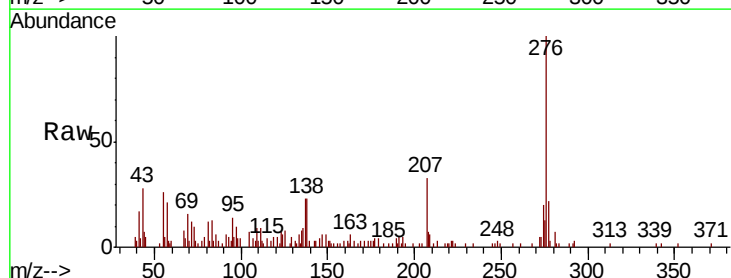
Tgt Ion: 276 Resp: 34224

Ion Ratio Lower Upper

276 100

277 22.4 19.2 28.8

138 22.9 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

