

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111558.D
 Acq On : 18 Dec 2018 00:08
 Operator : JU/SJ
 Sample : J6403-37
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-B

Quant Time: Dec 18 04:13:39 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	202576	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	829211	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	376355	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	600939	20.00	ng	0.00
76) Chrysene-d12	13.94	240	388168	20.00	ng	0.00
87) Perylene-d12	15.39	264	350138	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1046741	85.98	ng	0.00
7) Phenol-d6	6.44	99	1699733	104.97	ng	0.00
23) Nitrobenzene-d5	7.35	82	1024485	73.57	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	322904	95.78	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1551410	63.67	ng	-0.01
79) Terphenyl-d14	12.89	244	1111794	67.26	ng	0.00

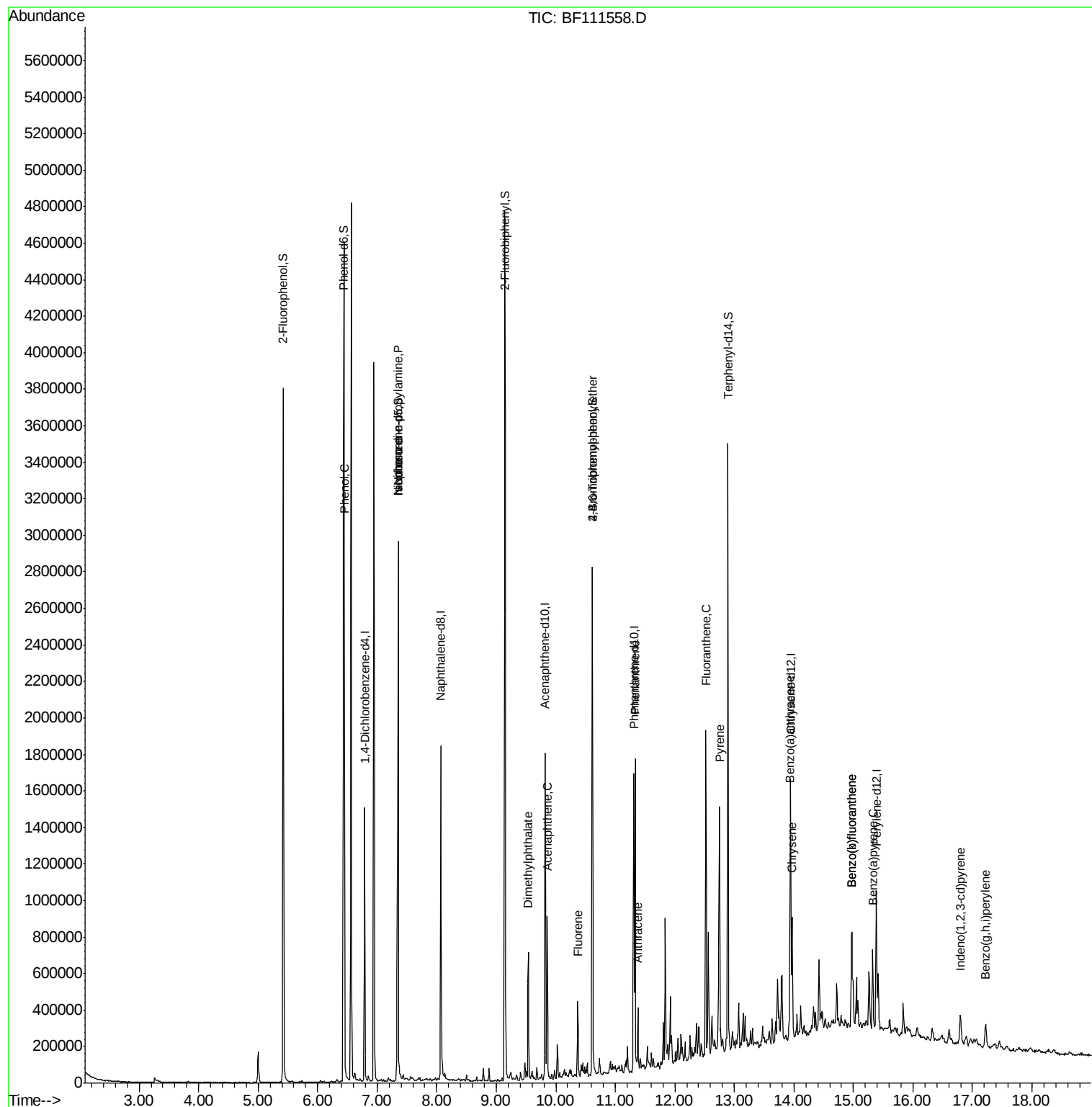
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	98207	5.444	ng	89
19) n-Nitroso-di-n-propylamine	7.35	70	132050	12.360	ng	# 74
25) Isophorone	7.35	82	1020960	43.332	ng	# 64
50) Dimethylphthalate	9.54	163	265430	9.793	ng	97
52) Acenaphthene	9.86	154	175123	7.701	ng	97
58) Fluorene	10.37	166	108832	4.546	ng	96
67) 4-Bromophenyl-phenylether	10.62	248	20548	3.173	ng	# 1
71) Phenanthrene	11.33	178	616389	19.906	ng	94
72) Anthracene	11.38	178	124017	3.916	ng	95
75) Fluoranthene	12.52	202	640781	21.153	ng	98
78) Pyrene	12.75	202	581121	21.234	ng	95
81) Benzo(a)anthracene	13.93	228	263003	12.461	ng	99
83) Chrysene	13.97	228	251198	11.298	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	95290	5.938	ng	96
88) Benzo(b)fluoranthene	14.97	252	392825	19.243	ng	99
89) Benzo(k)fluoranthene	14.97	252	392825	20.139	ng	98
90) Benzo(a)pyrene	15.32	252	212836	11.562	ng	99
92) Benzo(g,h,i)perylene	17.22	276	87820	6.161	ng	96

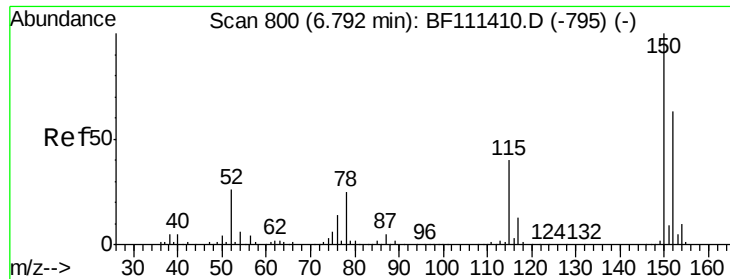
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampled :

TP-5-B

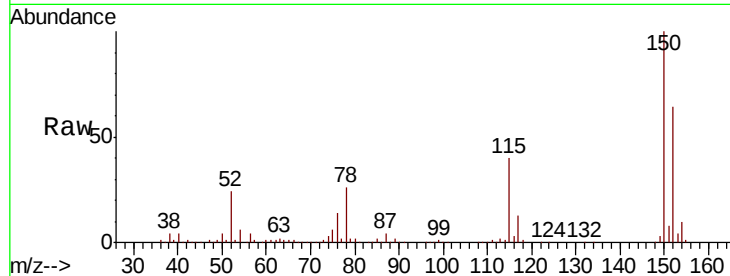
Tgt Ion:152 Resp: 202576

Ion Ratio Lower Upper

152 100

150 156.0 126.6 189.8

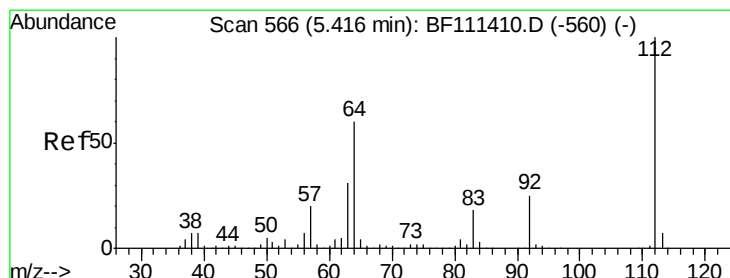
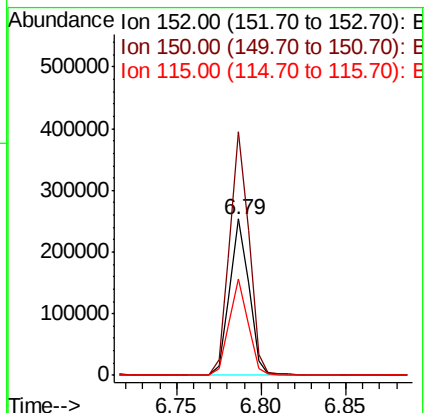
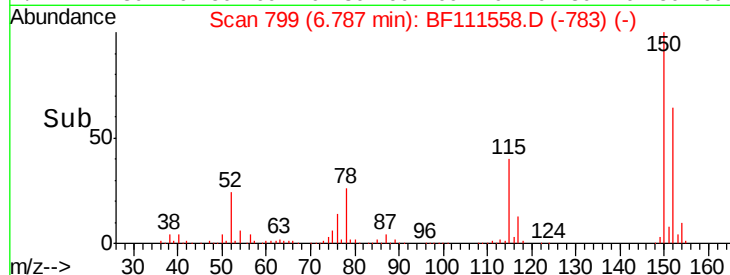
115 62.0 50.7 76.1



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



#5

2-Fluorophenol

Concen: 85.984 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

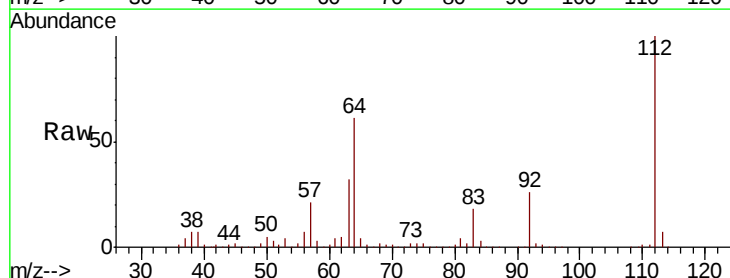
Tgt Ion:112 Resp: 1046741

Ion Ratio Lower Upper

112 100

64 61.4 51.8 77.6

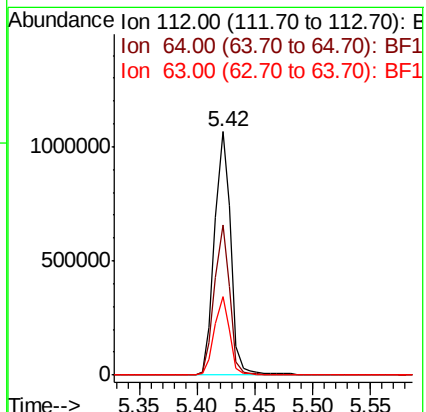
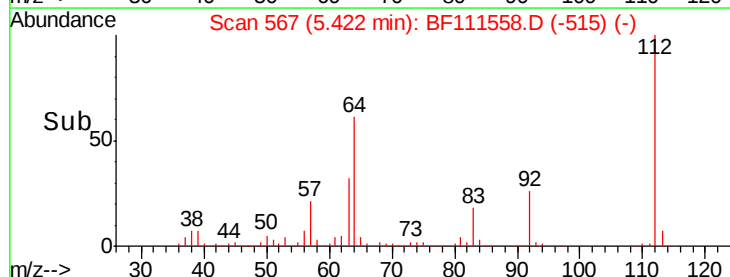
63 32.2 26.8 40.2

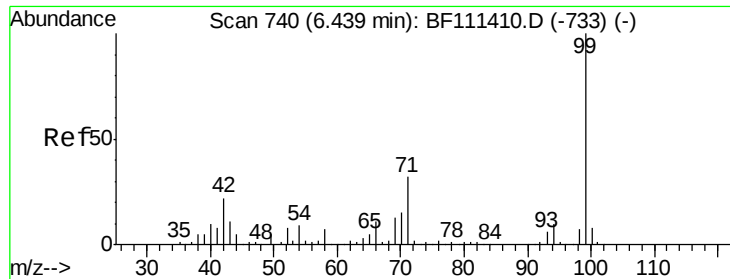


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.967 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

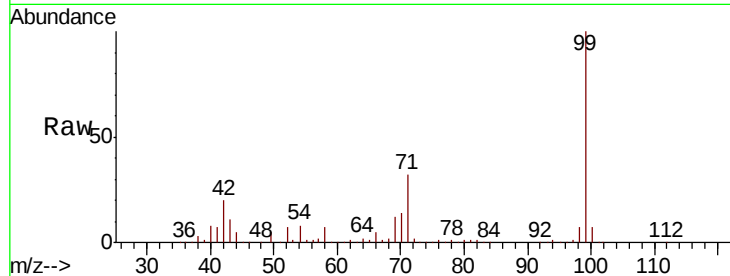
Tgt Ion: 99 Resp: 1699733

Ion Ratio Lower Upper

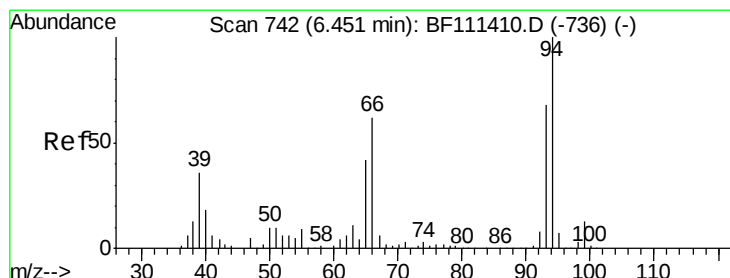
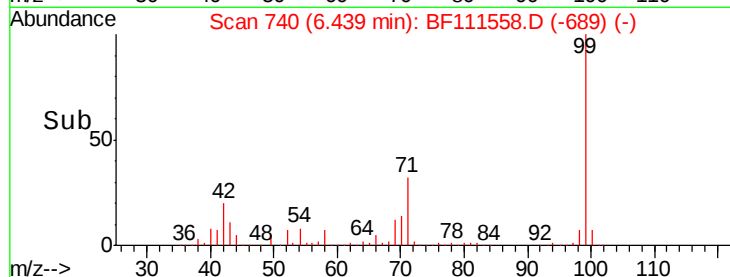
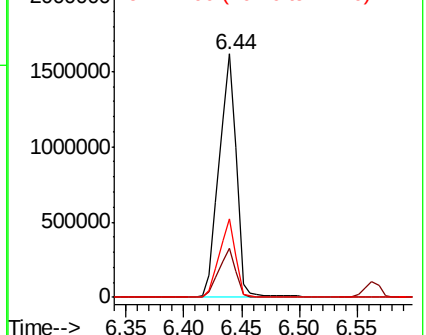
99 100

42 20.4 17.4 26.0

71 32.3 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: 5.444 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

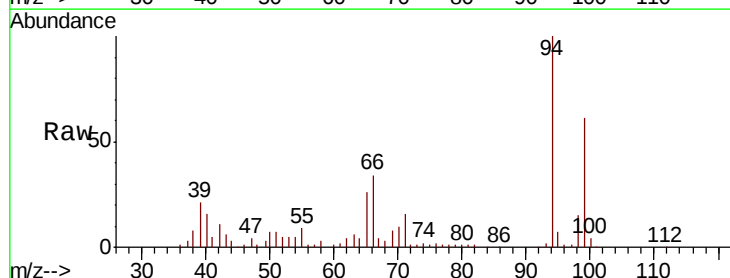
Tgt Ion: 94 Resp: 98207

Ion Ratio Lower Upper

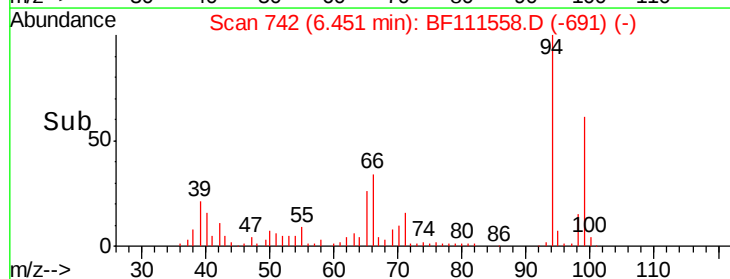
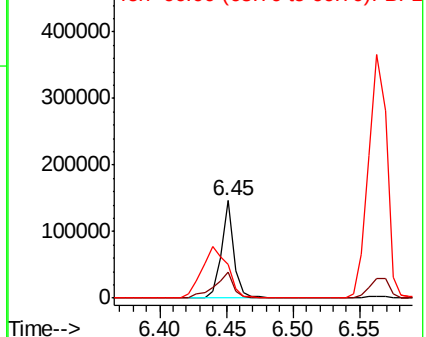
94 100

65 26.3 11.7 51.7

66 34.0 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

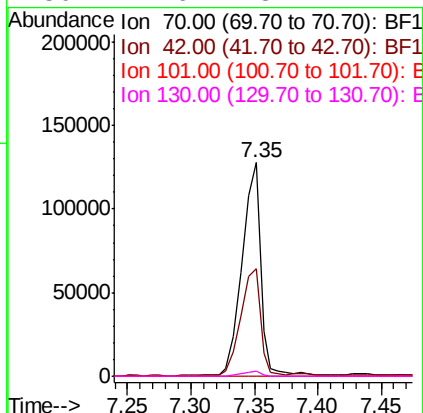
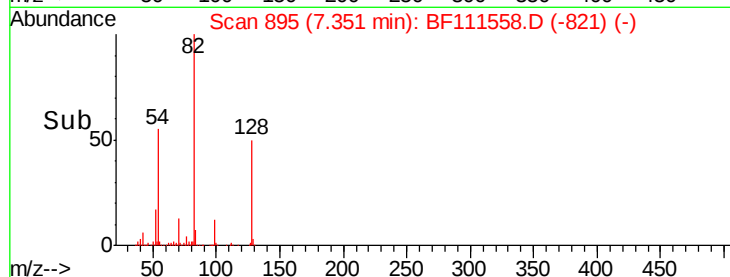
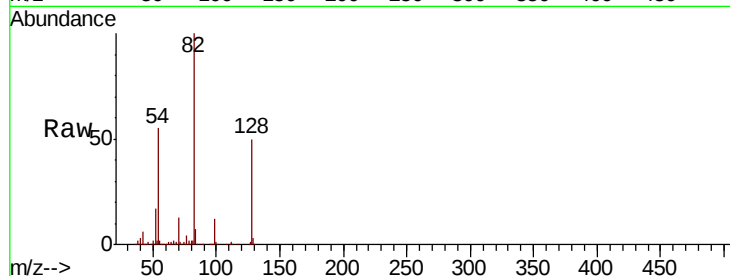




#19
n-Nitroso-di-n-propylamine
Concen: 12.360 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

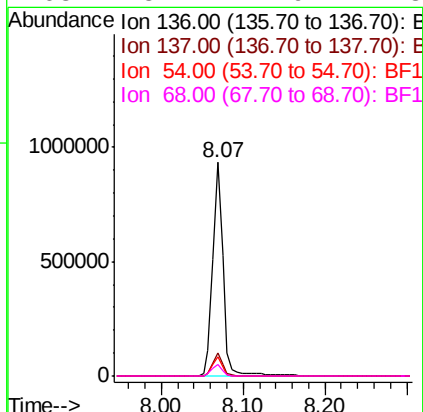
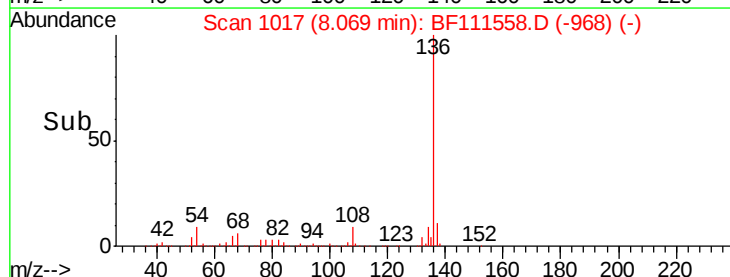
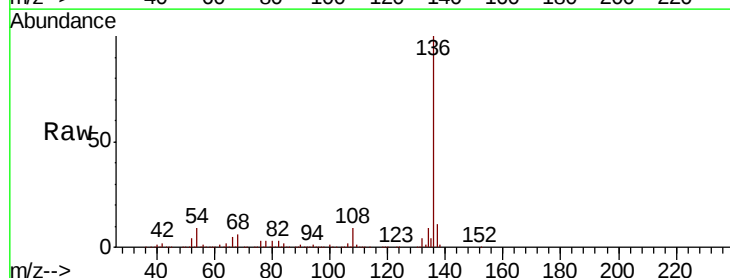
Instrument :
BNA_F
ClientSampleId :
TP-5-B

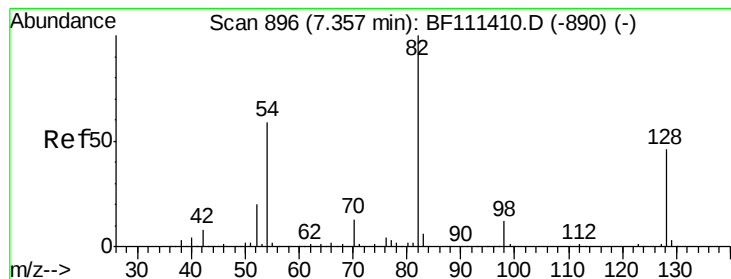
Tgt Ion	Ratio	Lower	Upper
70	100		
42	50.1	53.2	79.8#
101	0.0	8.2	12.4#
130	2.6	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	8.8	7.7	11.5
68	5.7	4.9	7.3





#23

Nitrobenzene-d5

Concen: 73.572 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

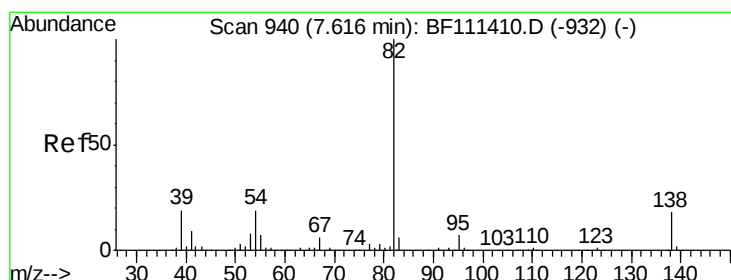
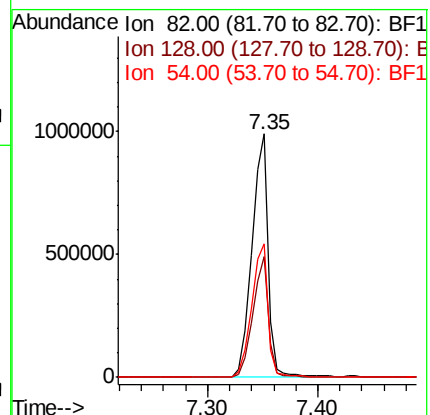
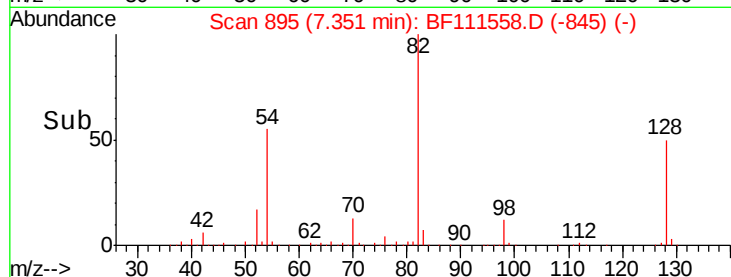
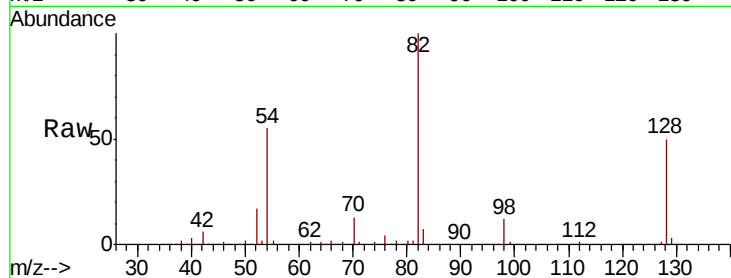
Tgt Ion: 82 Resp: 1024485

Ion Ratio Lower Upper

82 100

128 49.6 37.4 56.2

54 54.8 47.6 71.4



#25

Isophorone

Concen: 43.332 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

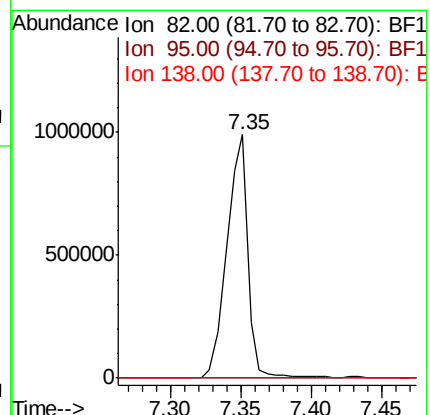
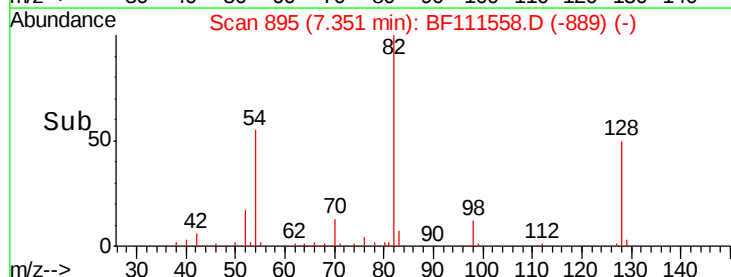
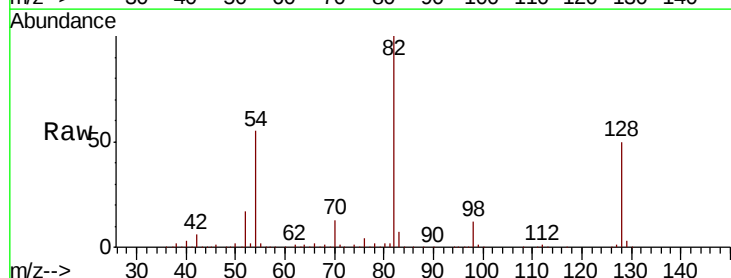
Tgt Ion: 82 Resp: 1020960

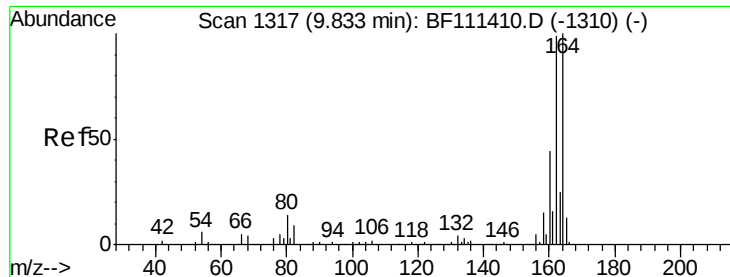
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 15.1 22.7#

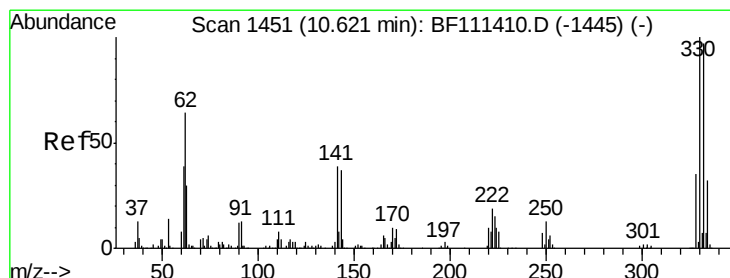
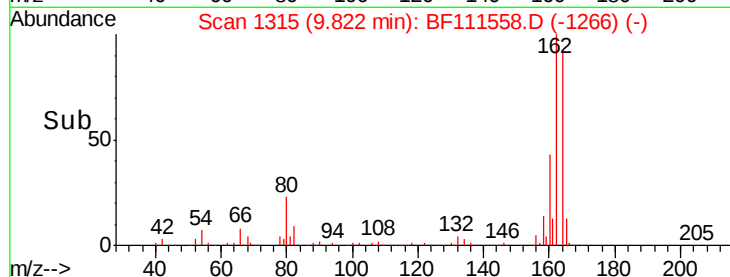
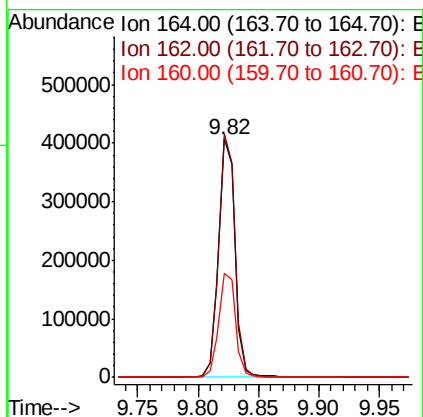
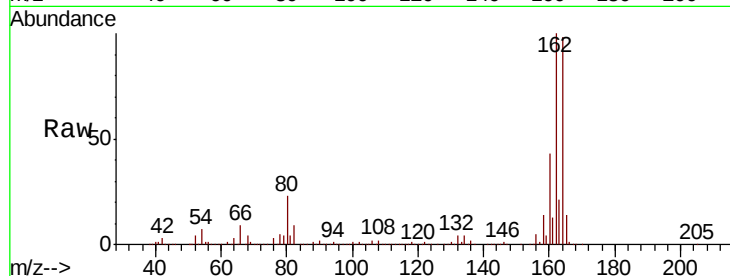




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

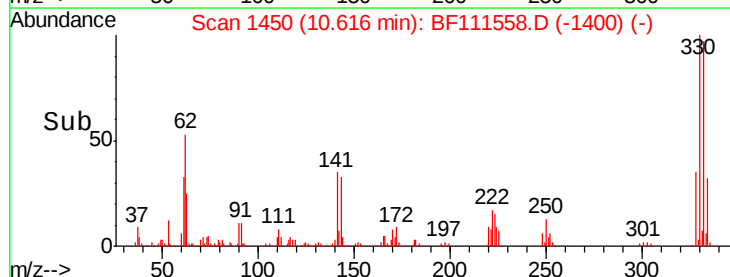
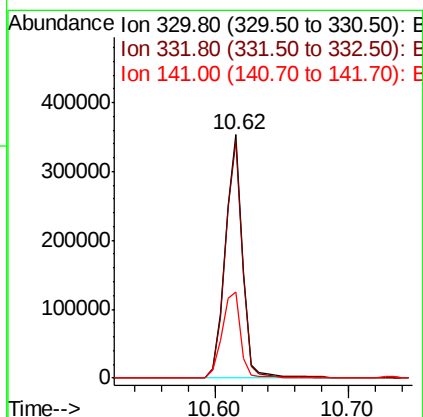
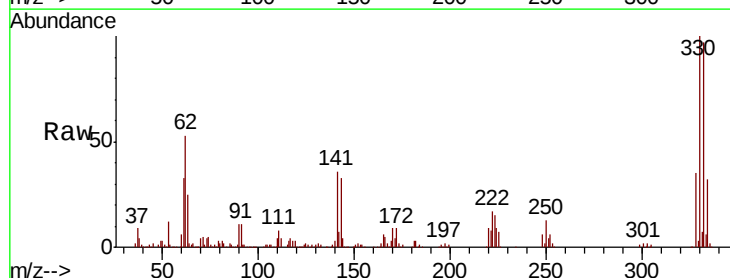
Instrument :
 BNA_F
 ClientSampled :
 TP-5-B

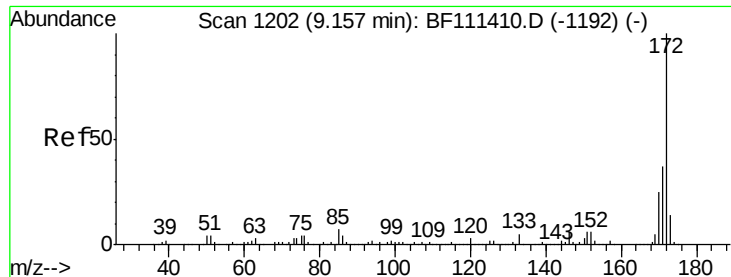
Tgt Ion:164 Resp: 376355
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.4 122.0
 160 43.5 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 95.779 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Tgt Ion:330 Resp: 322904
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.0 114.0
 141 39.1 31.0 46.6

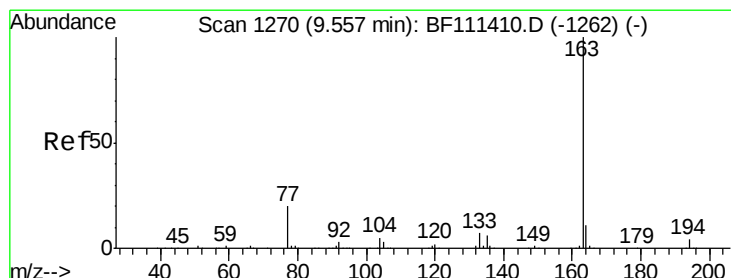
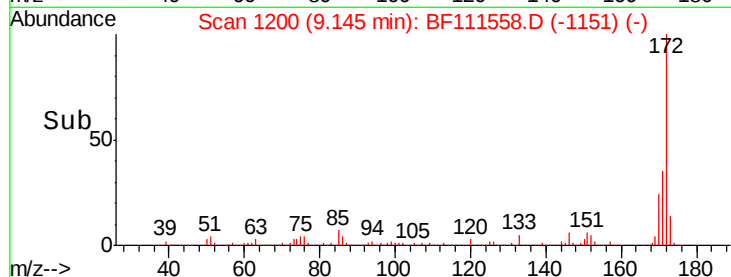
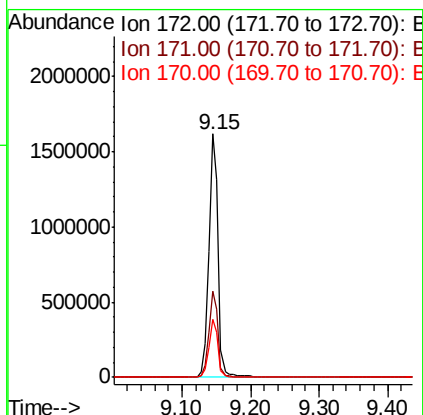
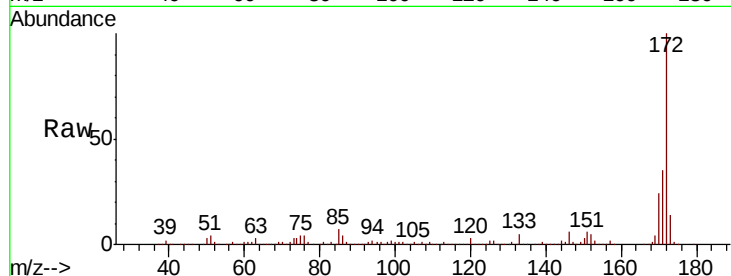




#45
2-Fluorobiphenyl
Concen: 63.673 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

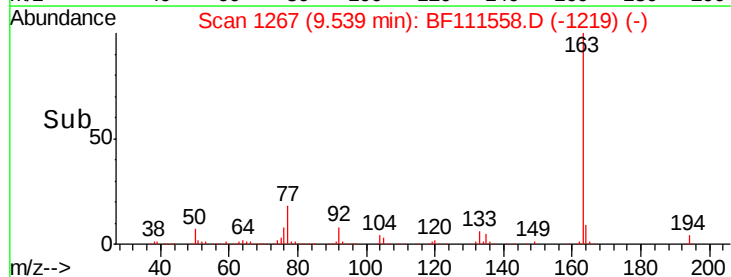
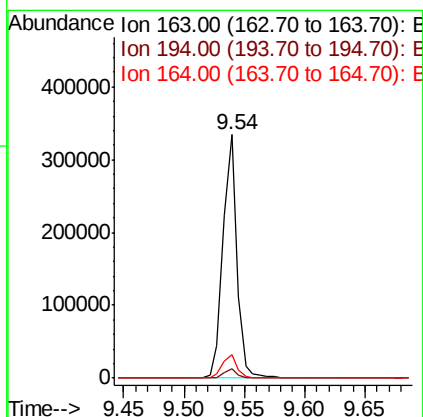
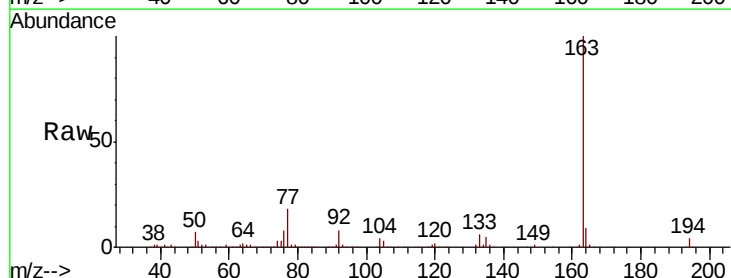
Instrument :
BNA_F
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TP-5-B

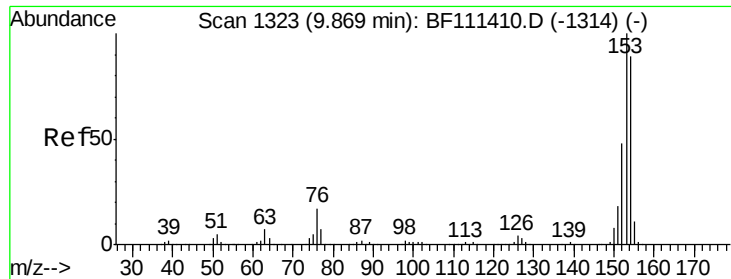
Tgt Ion:172 Resp: 1551410
Ion Ratio Lower Upper
172 100
171 35.4 33.0 49.4
170 23.9 22.3 33.5



#50
Dimethylphthalate
Concen: 9.793 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion:163 Resp: 265430
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.4 8.9 13.3





#52

Acenaphthene

Concen: 7.701 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

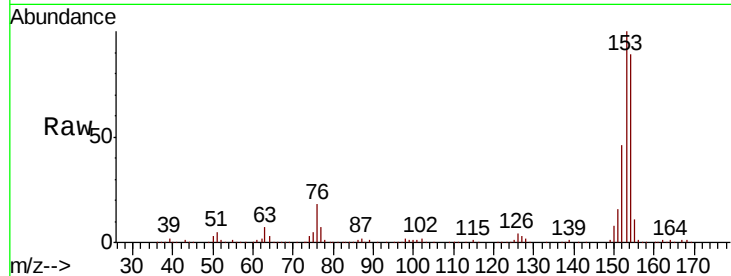
Tgt Ion:154 Resp: 175123

Ion Ratio Lower Upper

154 100

153 112.8 87.8 131.8

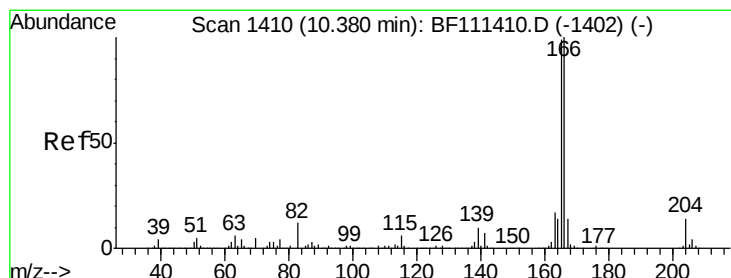
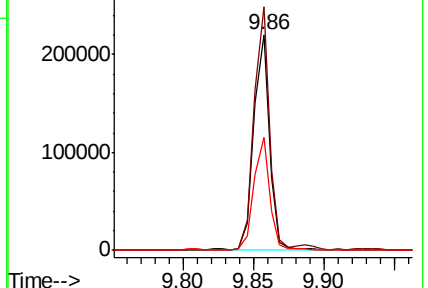
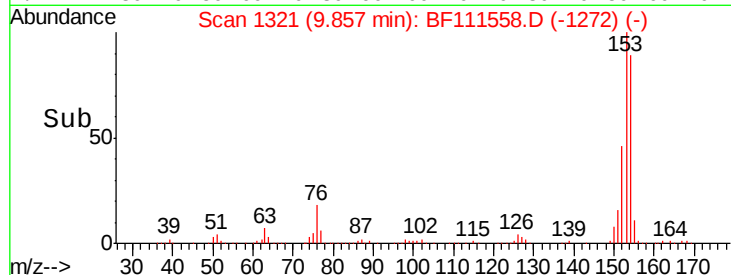
152 52.3 43.4 65.2



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



#58

Fluorene

Concen: 4.546 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

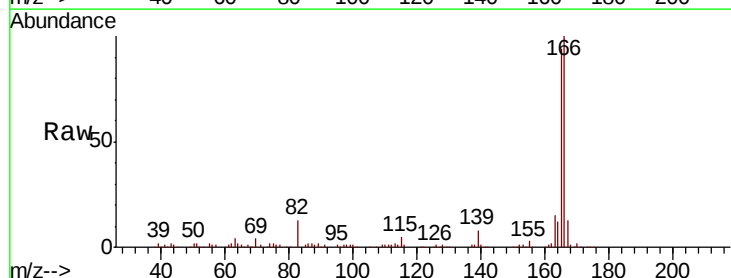
Tgt Ion:166 Resp: 108832

Ion Ratio Lower Upper

166 100

165 94.1 78.4 117.6

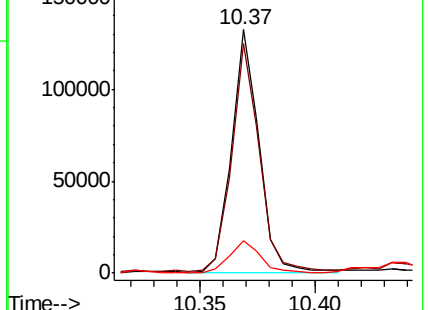
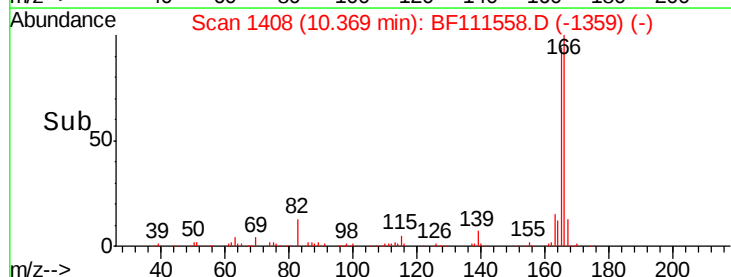
167 13.5 11.2 16.8

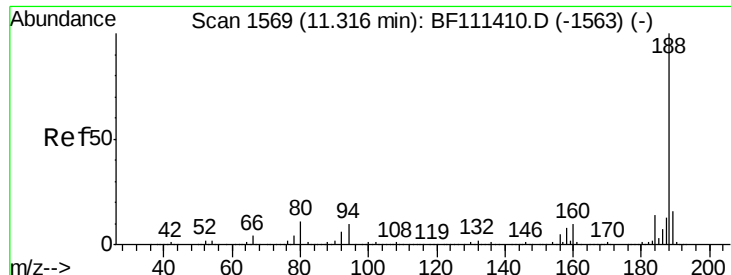


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

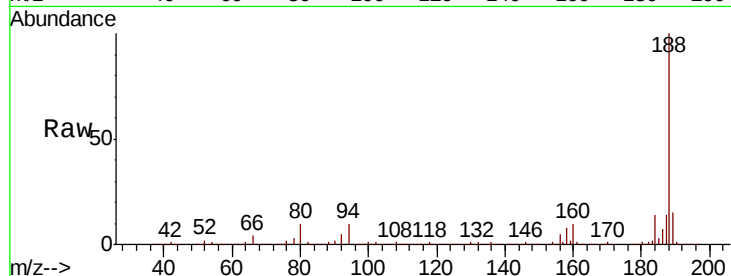
Tgt Ion:188 Resp: 600939

Ion Ratio Lower Upper

188 100

94 10.5 9.6 14.4

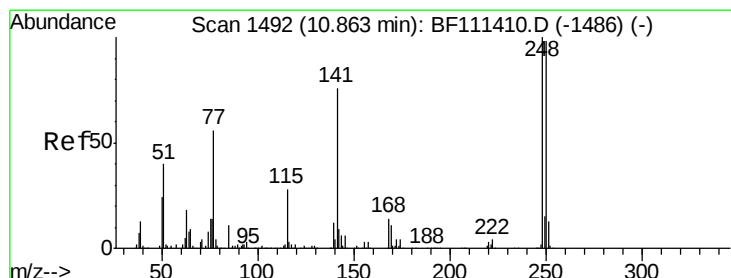
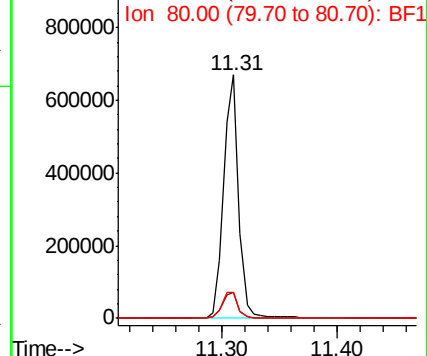
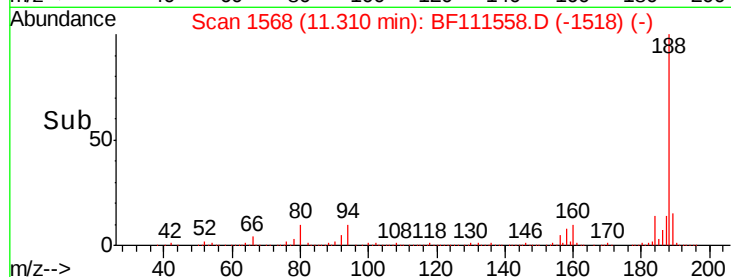
80 10.5 9.8 14.6



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: 3.173 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

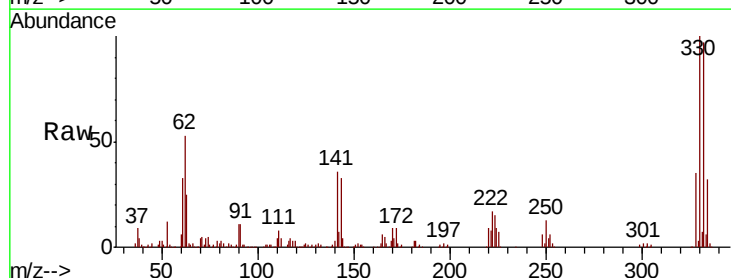
Tgt Ion:248 Resp: 20548

Ion Ratio Lower Upper

248 100

250 201.3 77.0 115.4#

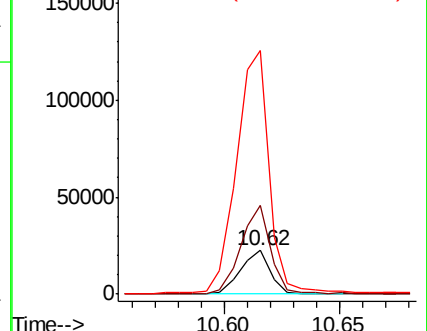
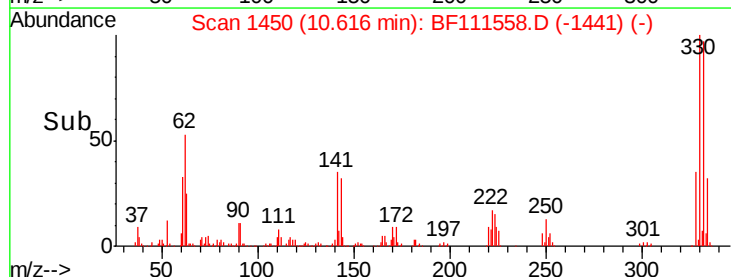
141 554.7 63.0 94.6#

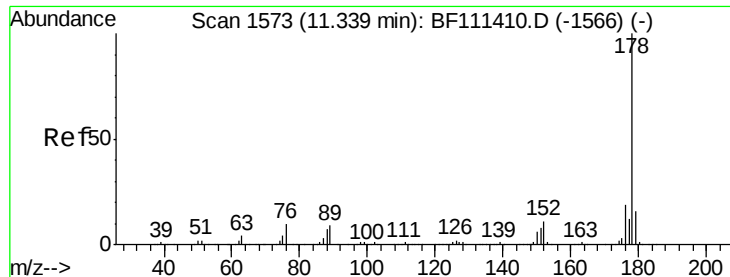


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 19.906 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

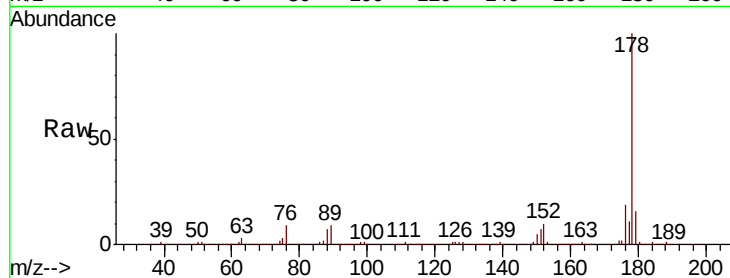
Tgt Ion:178 Resp: 616389

Ion Ratio Lower Upper

178 100

176 18.9 18.1 27.1

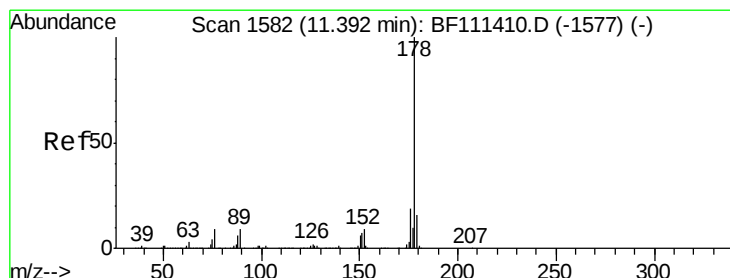
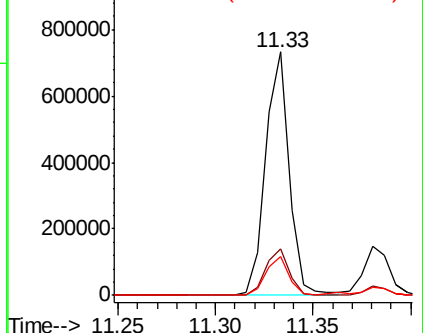
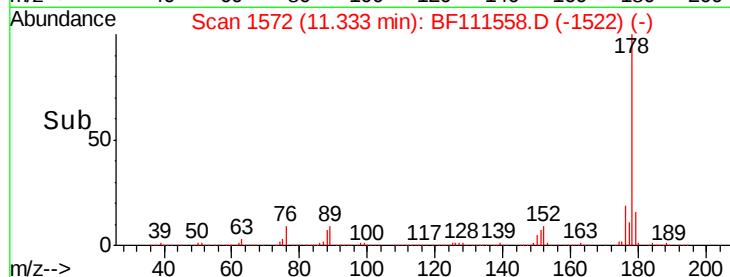
179 15.8 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.916 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

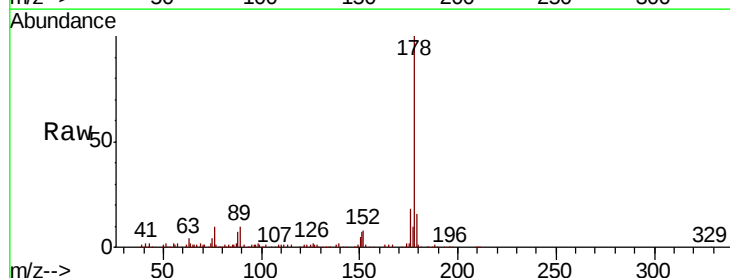
Tgt Ion:178 Resp: 124017

Ion Ratio Lower Upper

178 100

176 18.2 17.2 25.8

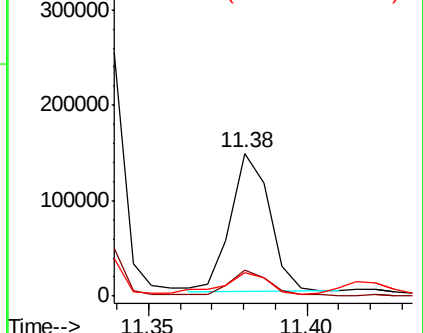
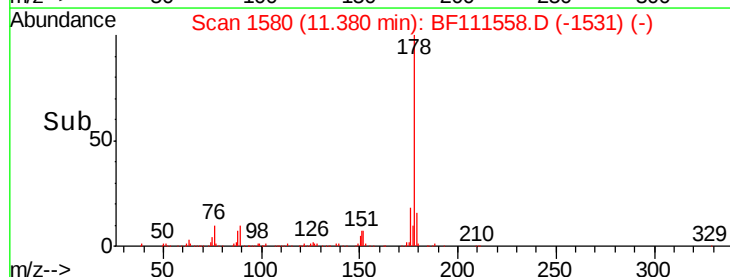
179 16.1 13.8 20.8

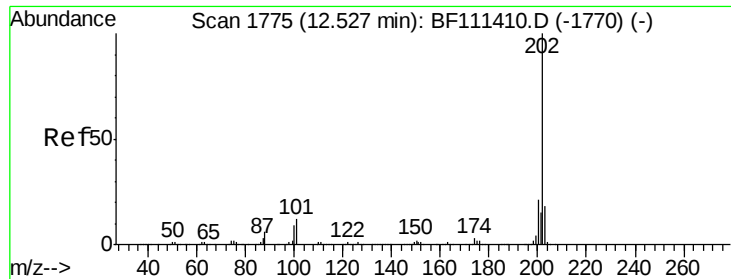


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.153 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

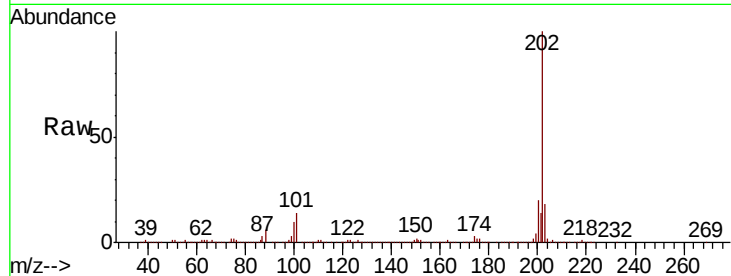
Tgt Ion:202 Resp: 640781

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.8

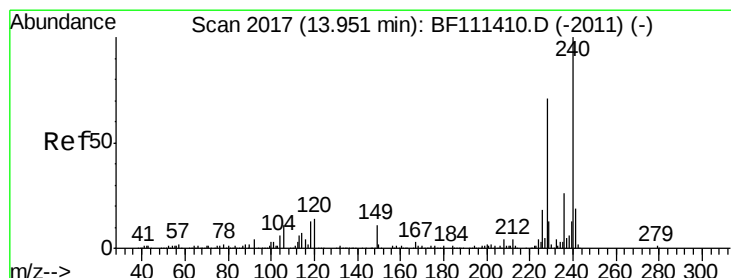
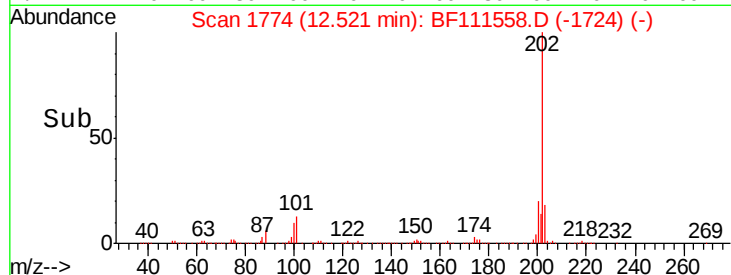
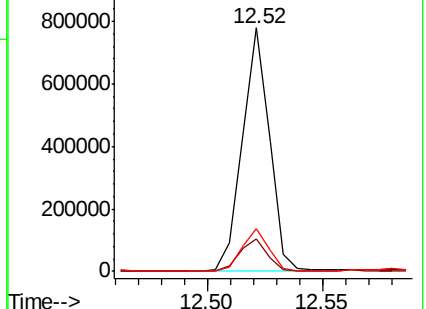
203 17.6 0.0 38.6



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: BF111558.D

Acq: 18 Dec 2018 00:08

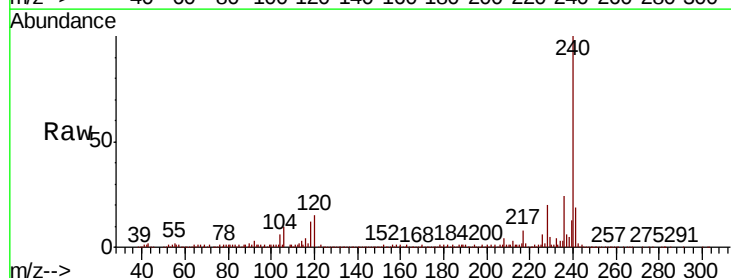
Tgt Ion:240 Resp: 388168

Ion Ratio Lower Upper

240 100

120 14.6 12.2 18.2

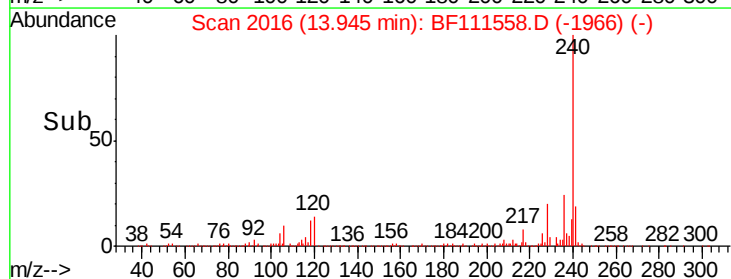
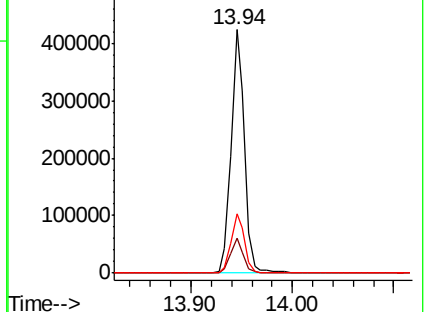
236 24.3 20.2 30.2

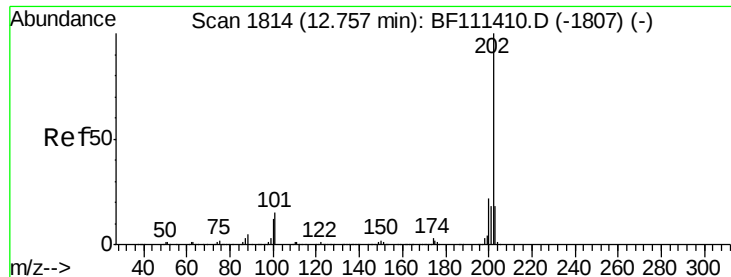


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 21.234 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

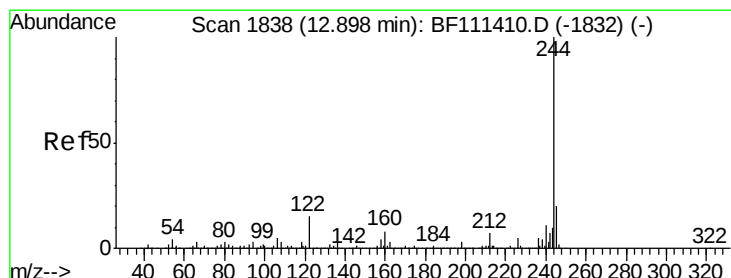
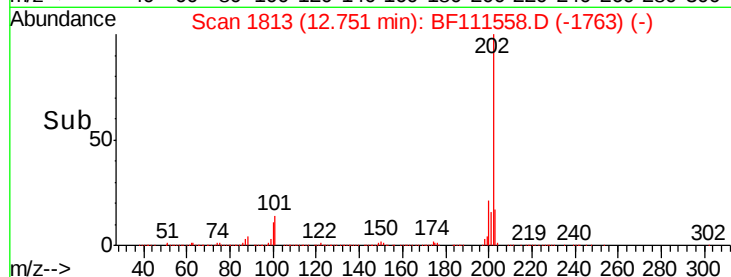
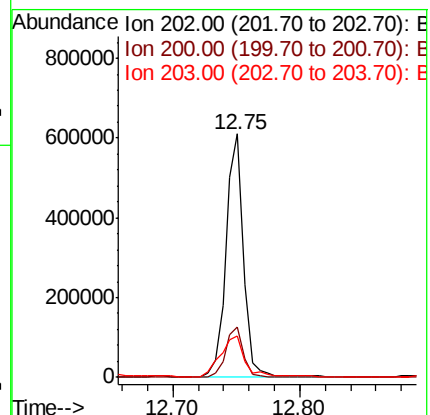
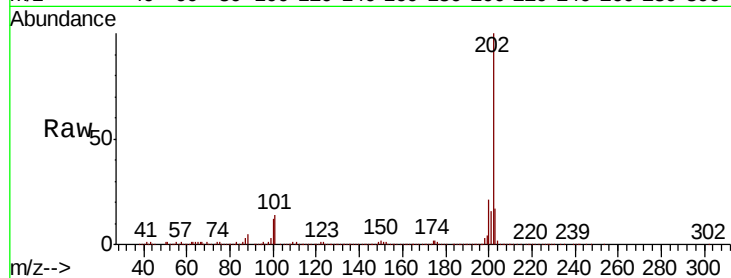
Tgt Ion:202 Resp: 581121

Ion Ratio Lower Upper

202 100

200 20.6 19.0 28.4

203 17.2 15.2 22.8



#79

Terphenyl-d14

Concen: 67.258 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

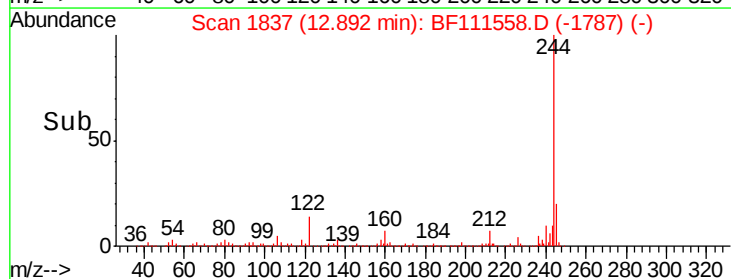
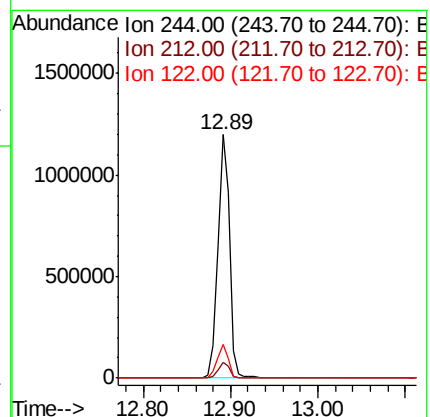
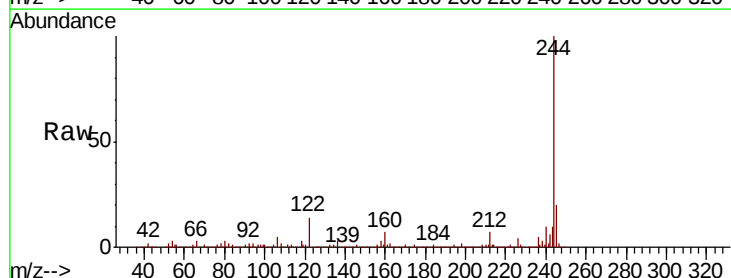
Tgt Ion:244 Resp: 1111794

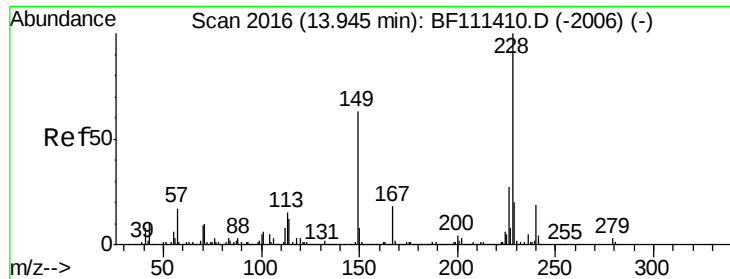
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 14.0 13.1 19.7

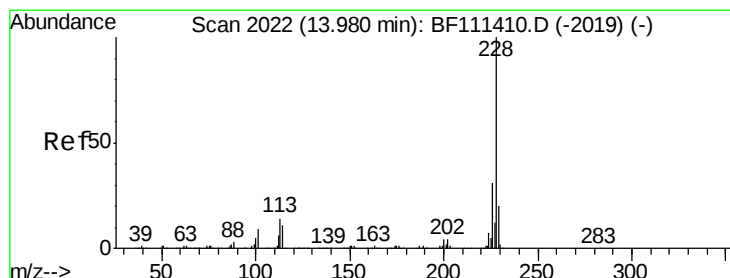
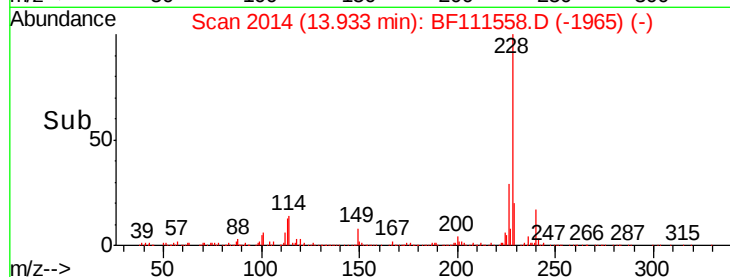
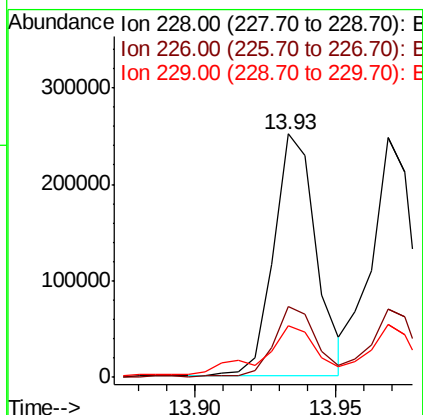
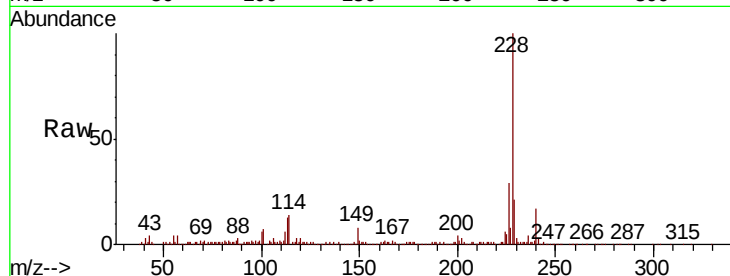




#81
Benzo(a)anthracene
Concen: 12.461 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

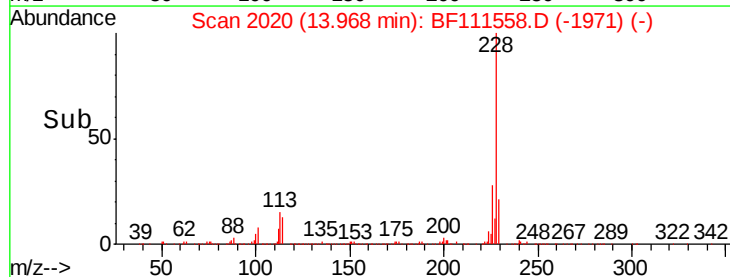
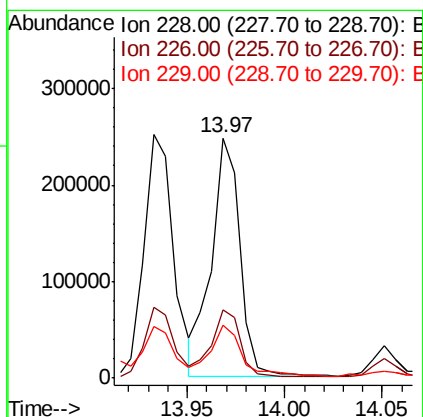
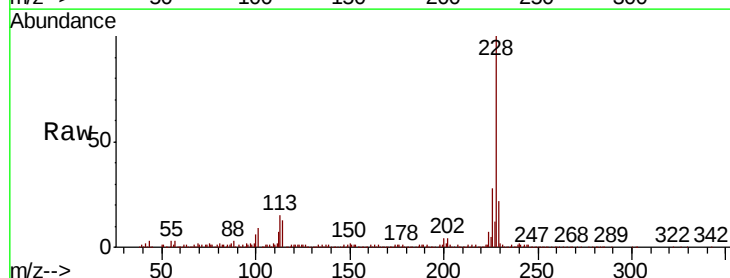
Instrument :
BNA_F
ClientSampleId :
TP-5-B

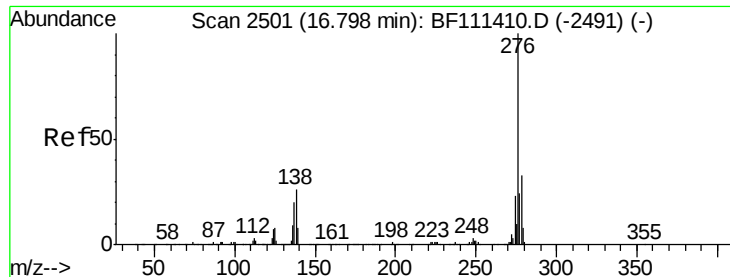
Tgt Ion:228 Resp: 263003
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 21.0 16.3 24.5



#83
Chrysene
Concen: 11.298 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion:228 Resp: 251198
Ion Ratio Lower Upper
228 100
226 28.2 25.3 37.9
229 21.8 17.2 25.8

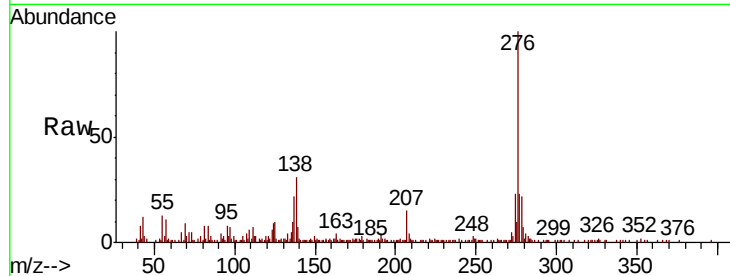




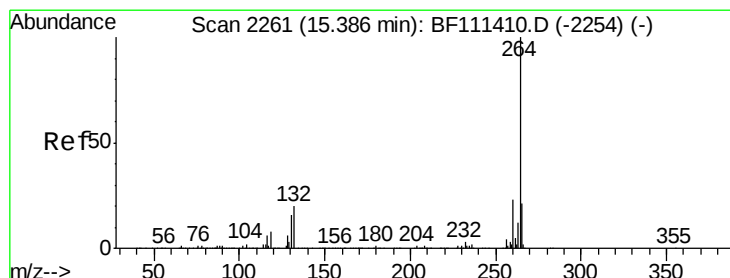
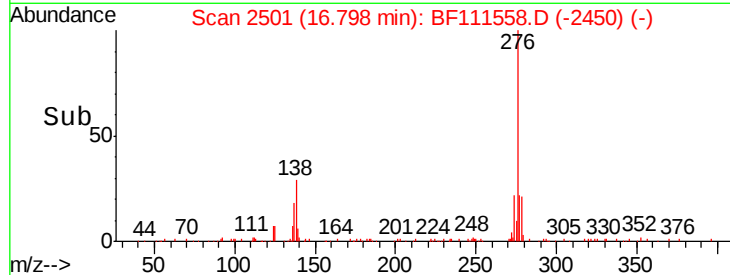
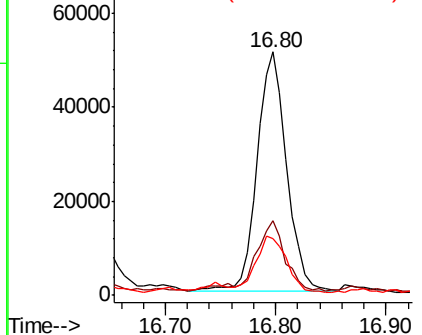
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.938 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	27.8	41.6
277	24.7	20.1	30.1

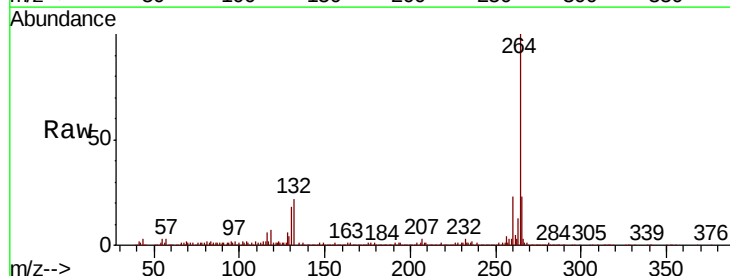


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

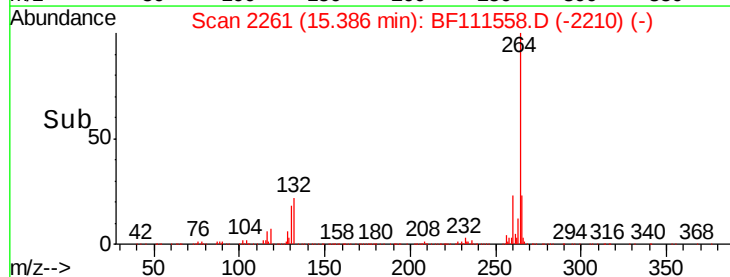
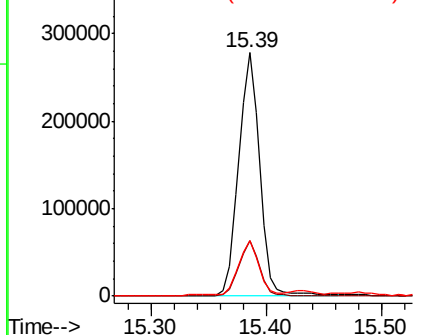


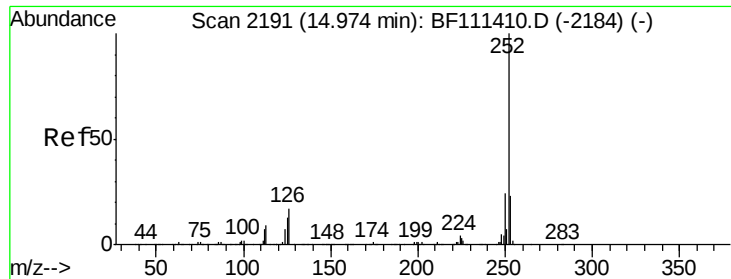
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111558.D
 Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	22.9	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

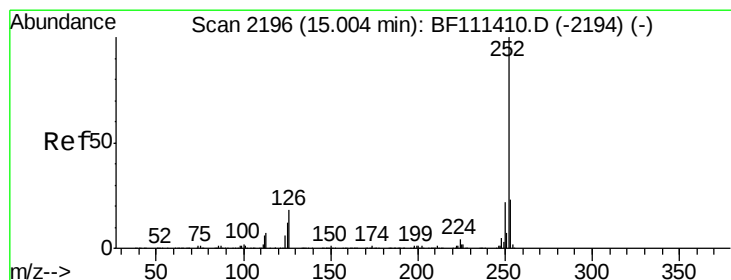
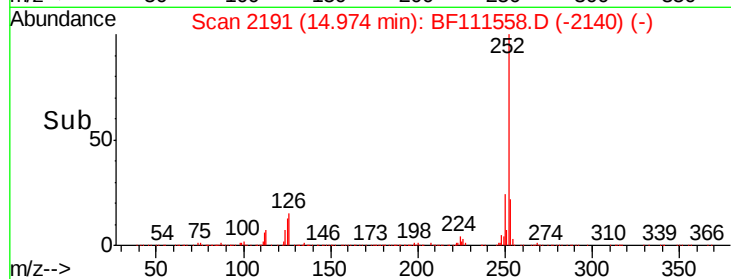
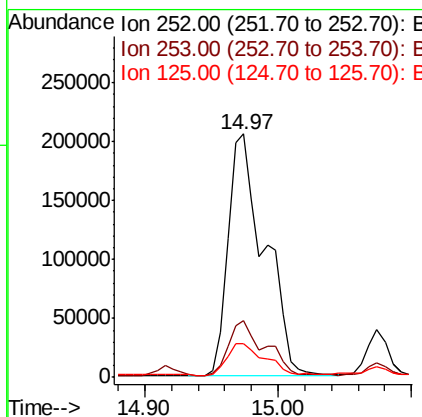
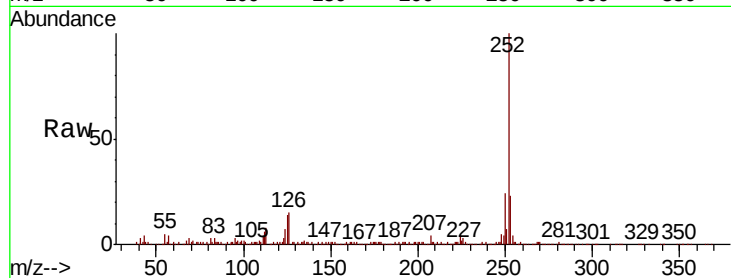




#88
Benzo(b)fluoranthene
Concen: 19.243 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

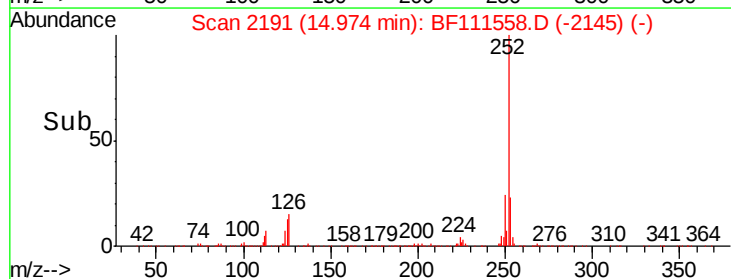
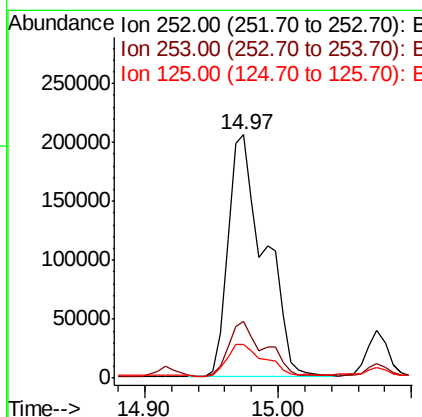
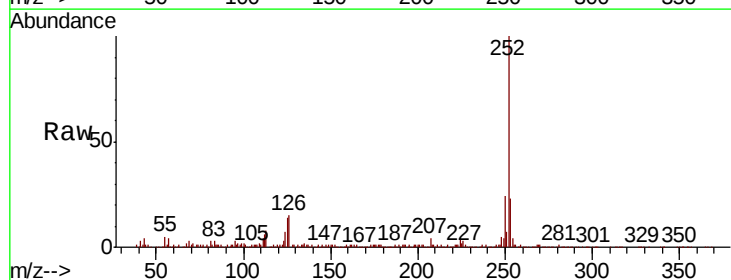
Instrument :
BNA_F
ClientSampled :
TP-5-B

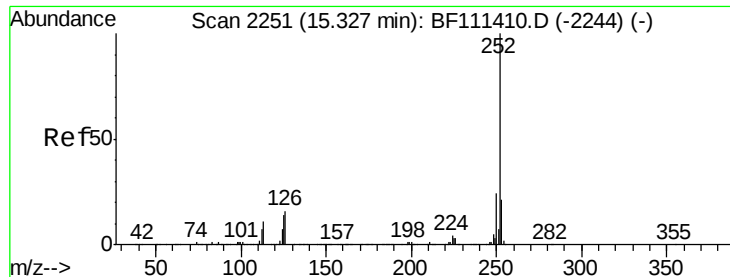
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.9	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 20.139 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111558.D
Acq: 18 Dec 2018 00:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	13.9	9.8	14.8





#90

Benzo(a)pyrene

Concen: 11.562 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

Instrument :

BNA_F

ClientSampleId :

TP-5-B

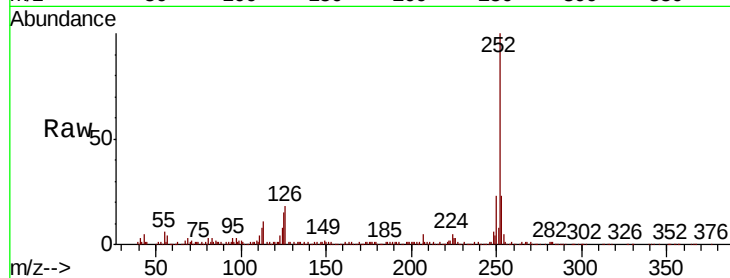
Tgt Ion:252 Resp: 212836

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

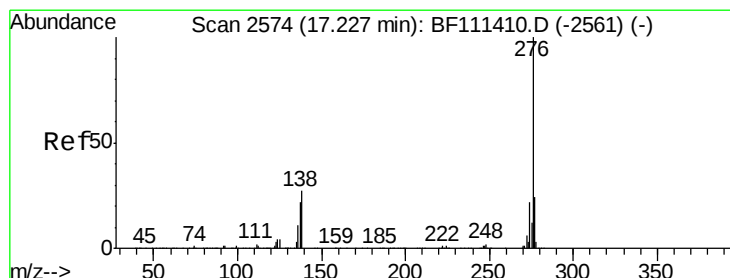
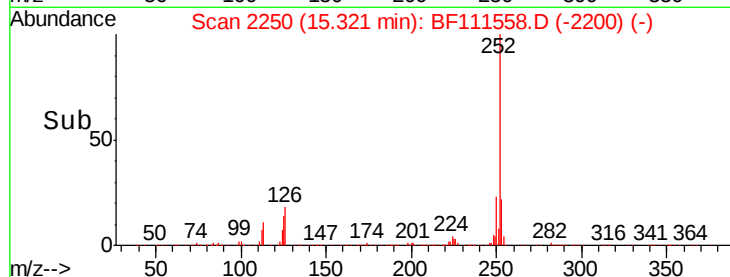
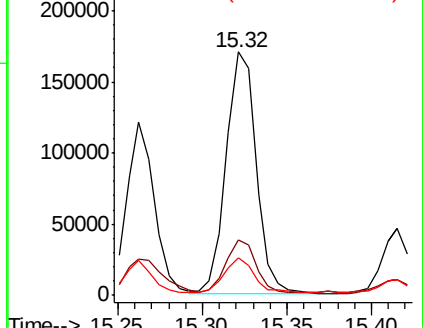
125 15.4 12.3 18.5



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: 6.161 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111558.D

Acq: 18 Dec 2018 00:08

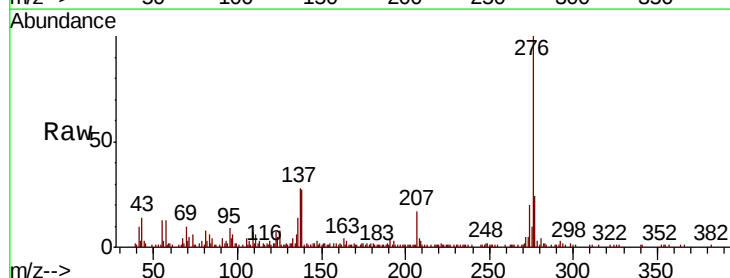
Tgt Ion:276 Resp: 87820

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 27.4 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

