

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088756.D
 Acq On : 7 Jul 2016 1:52
 Operator : UM/SJ
 Sample : H3880-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C2.2-03

Quant Time: Jul 07 06:39:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

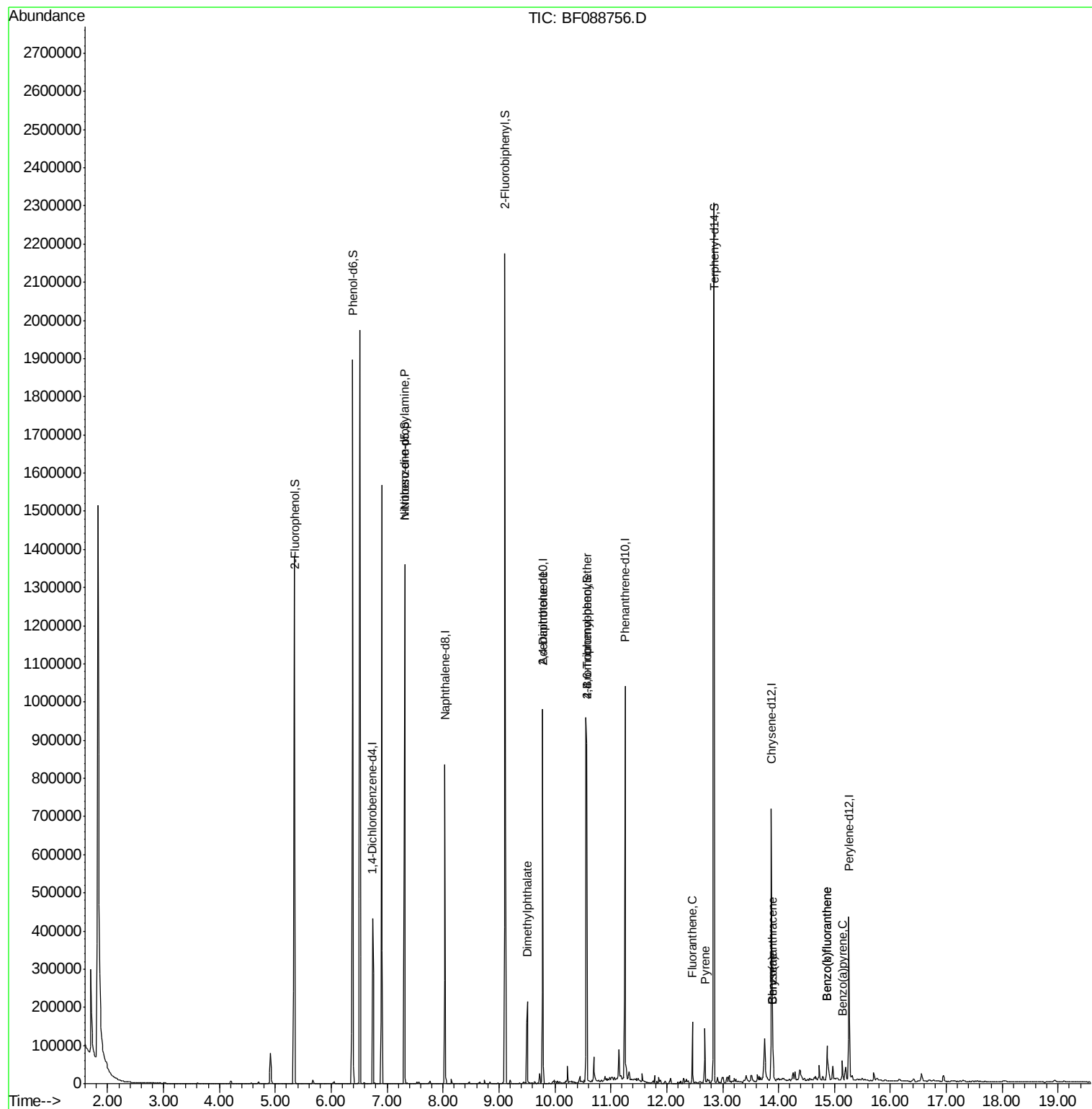
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	81691	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	381518	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	183729	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	344335	20.00	ng	0.00
75) Chrysene-d12	13.87	240	232877	20.00	ng	-0.01
86) Perylene-d12	15.26	264	179596	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	591155	108.45	ng	0.01
7) Phenol-d6	6.39	99	756336	107.39	ng	0.00
23) Nitrobenzene-d5	7.31	82	487228	66.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	175928	103.12	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	753944	64.82	ng	-0.01
78) Terphenyl-d14	12.85	244	811164	77.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	67178	14.20	ng	Qvalue # 71
49) Dimethylphthalate	9.51	163	120858	9.23	ng	97
56) 2,4-Dinitrotoluene	9.78	165	23614	6.23	ng	# 38
66) 4-Bromophenyl-phenylether	10.57	248	10876	3.13	ng	# 1
74) Fluoranthene	12.46	202	58131	3.05	ng	99
77) Pyrene	12.69	202	57667	2.92	ng	97
80) Benzo(a)anthracene	13.90	228	61250	4.08	ng	97
82) Chrysene	13.90	228	61250	4.13	ng	96
87) Benzo(b)fluoranthene	14.87	252	57579	5.11	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	57579	5.87	ng	99
89) Benzo(a)pyrene	15.14	252	20159	2.11	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

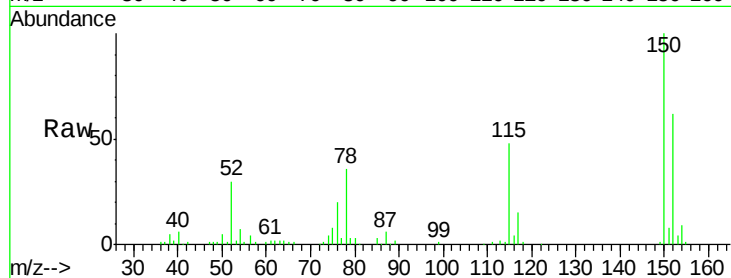
Tgt Ion:152 Resp: 81691

Ion Ratio Lower Upper

152 100

150 162.2 123.8 185.6

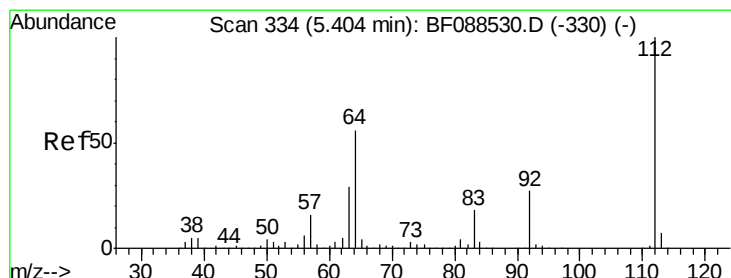
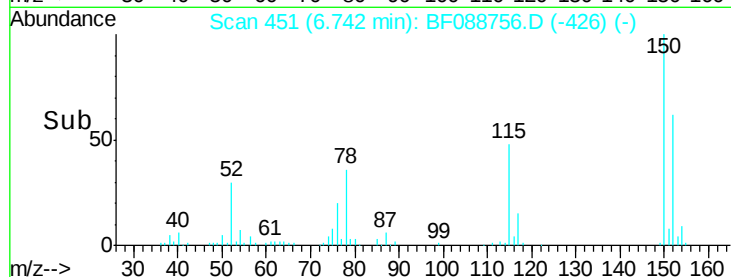
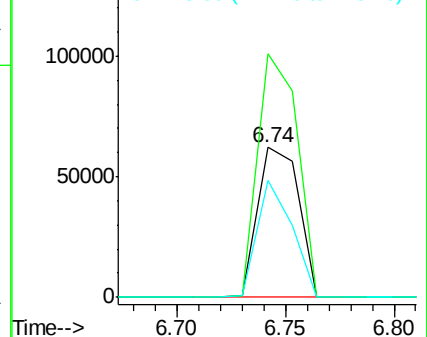
115 77.9 39.6 59.4#



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: 108.45 ng

RT: 5.35 min Scan# 329

Delta R.T. 0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

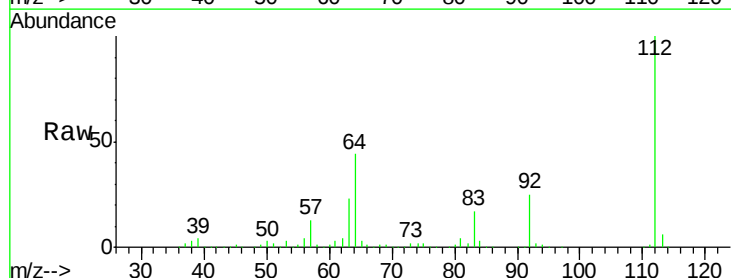
Tgt Ion:112 Resp: 591155

Ion Ratio Lower Upper

112 100

64 44.3 42.2 63.2

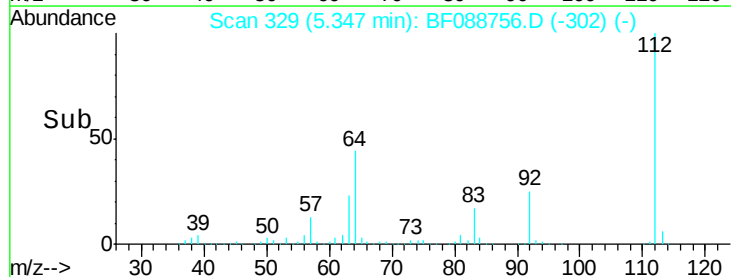
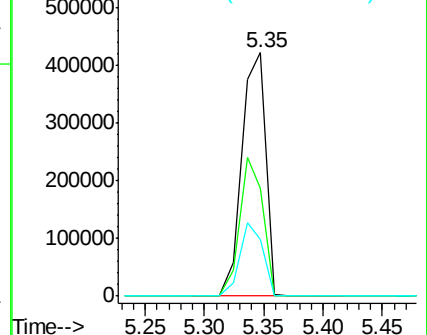
63 23.3 21.8 32.8

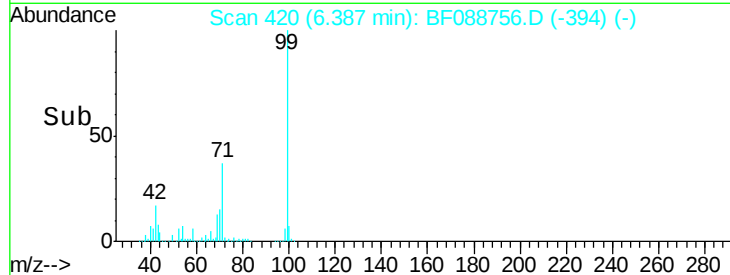
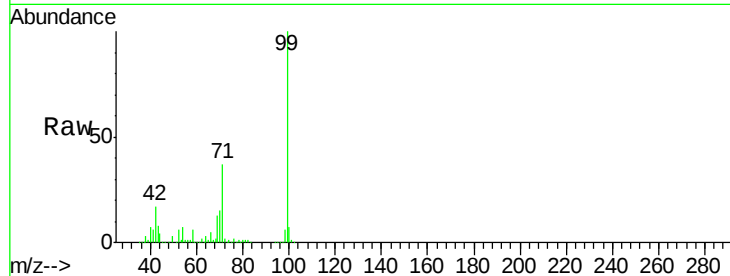


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.39 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

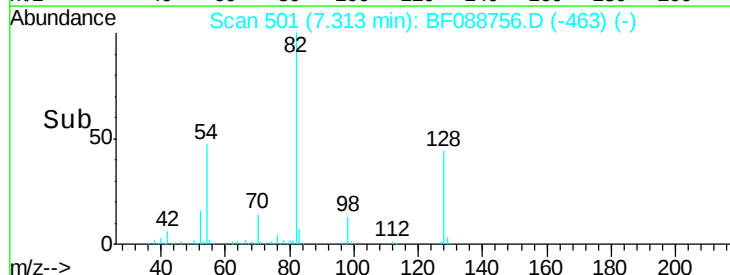
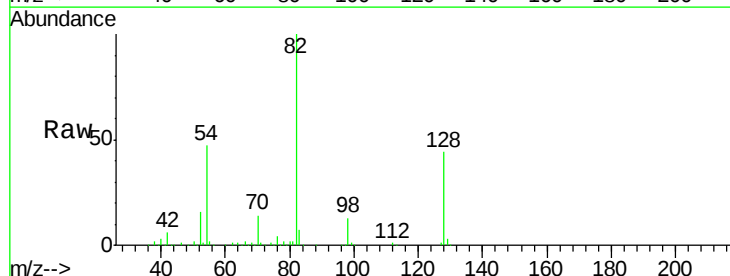
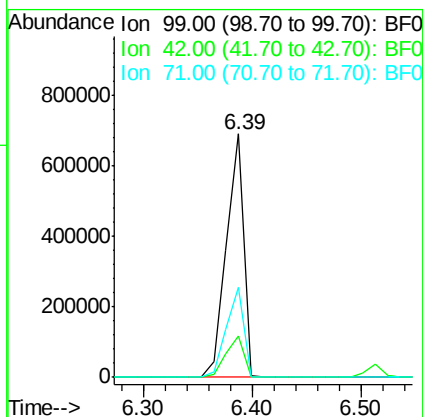
Tgt Ion: 99 Resp: 756336

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

71 37.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.20 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.14 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Tgt Ion: 70 Resp: 67178

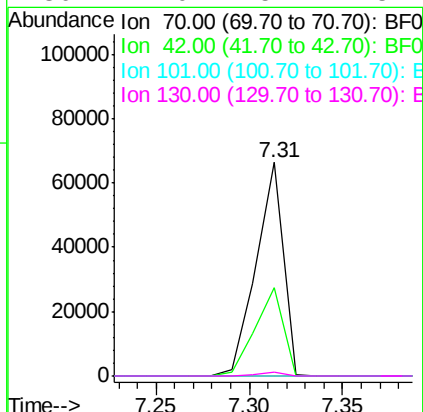
Ion Ratio Lower Upper

70 100

42 41.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

Tgt Ion:136 Resp: 381518

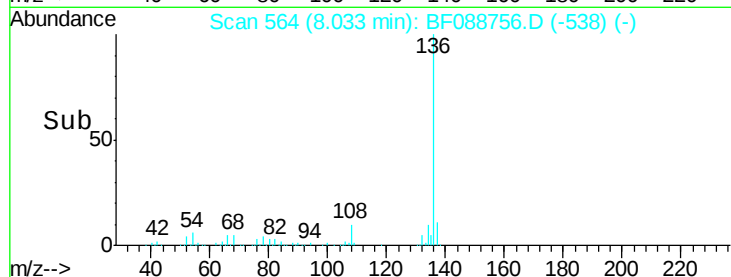
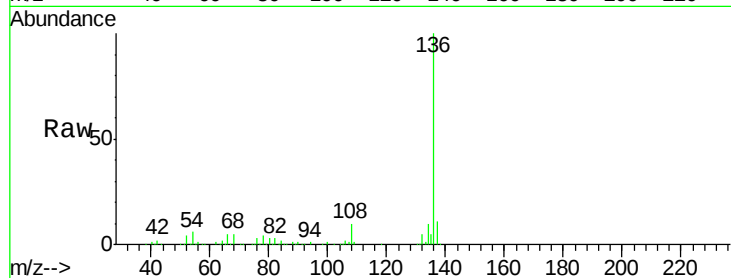
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.2 6.6 10.0#

68 5.2 5.1 7.7

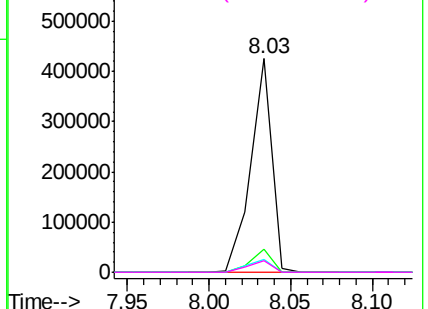


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.92 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

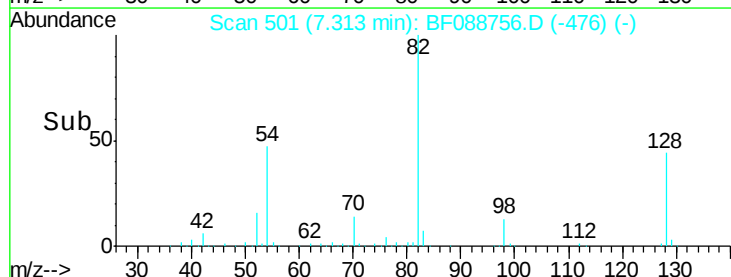
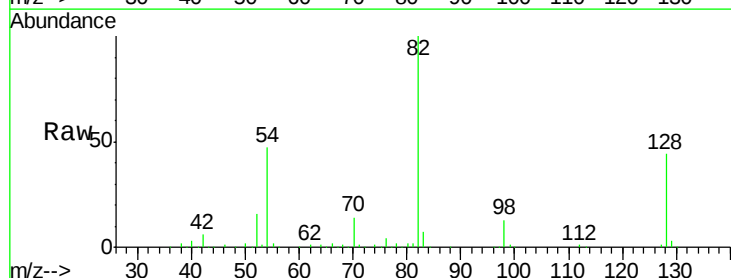
Tgt Ion: 82 Resp: 487228

Ion Ratio Lower Upper

82 100

128 43.6 35.9 53.9

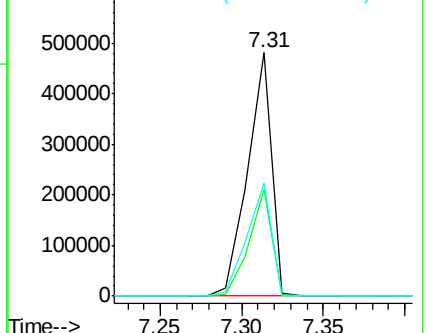
54 46.6 40.9 61.3

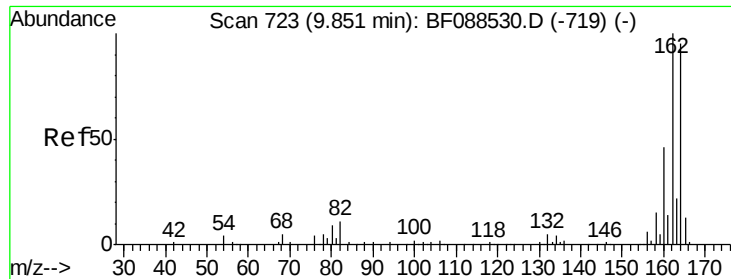


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

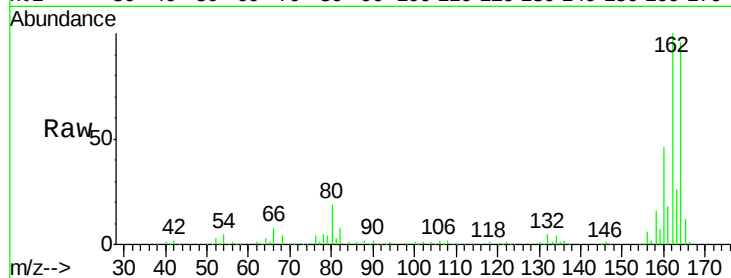
Tgt Ion:164 Resp: 183729

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

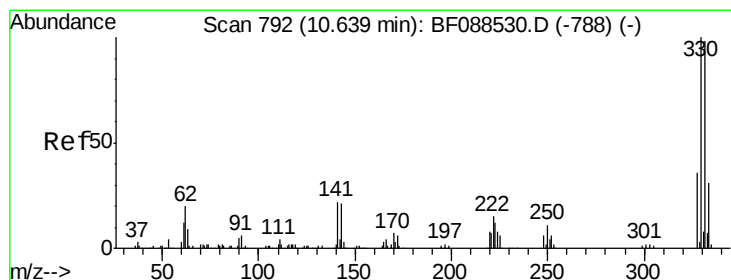
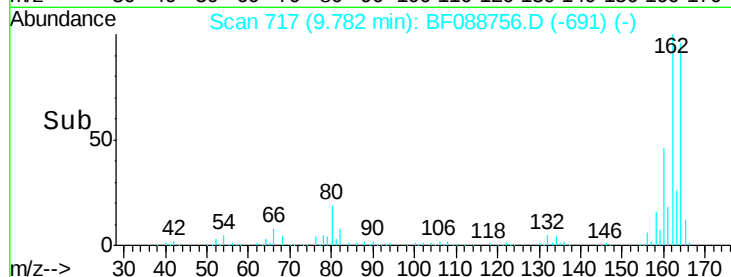
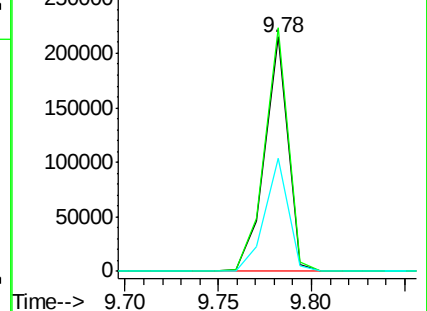
160 48.0 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 103.12 ng

RT: 10.57 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

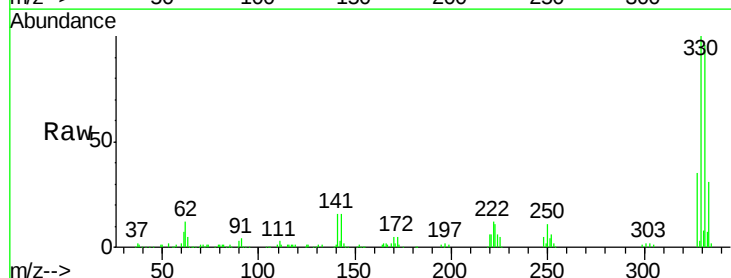
Tgt Ion:330 Resp: 175928

Ion Ratio Lower Upper

330 100

332 95.1 0.0 0.0#

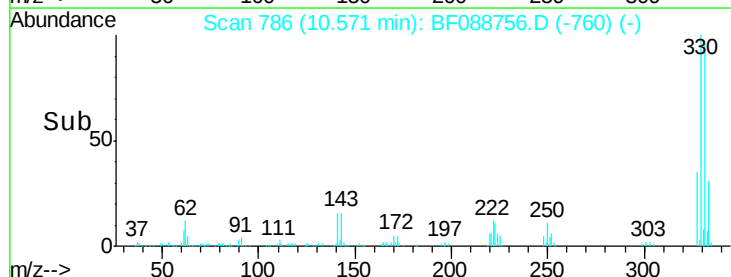
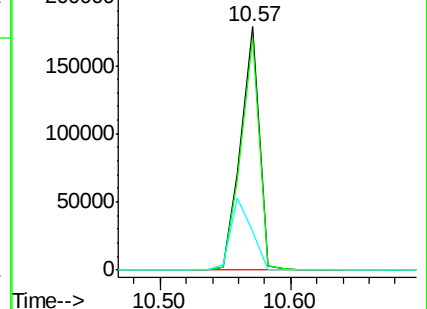
141 33.4 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

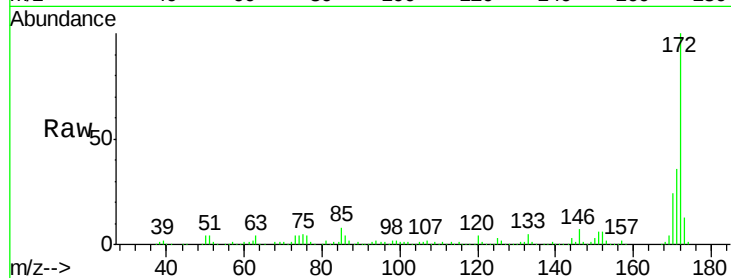




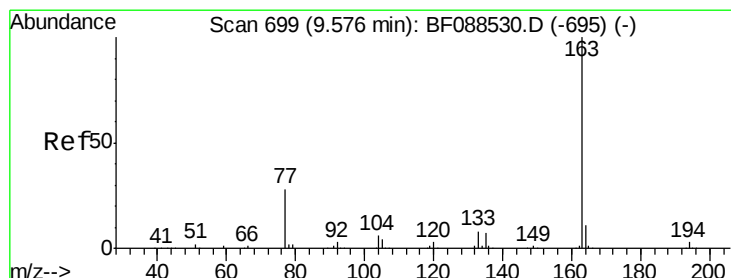
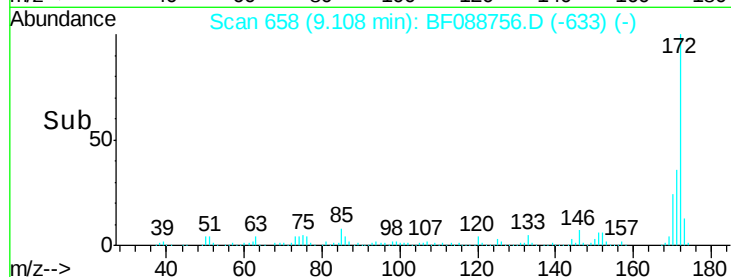
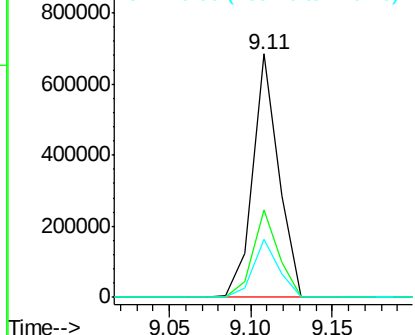
#44
2-Fluorobiphenyl
Concen: 64.82 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF088756.D
Acq: 7 Jul 2016 1:52

Instrument :
BNA_F
ClientSampleId :
C2.2-03

Tgt Ion:172 Resp: 753944
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.0 19.2 28.8

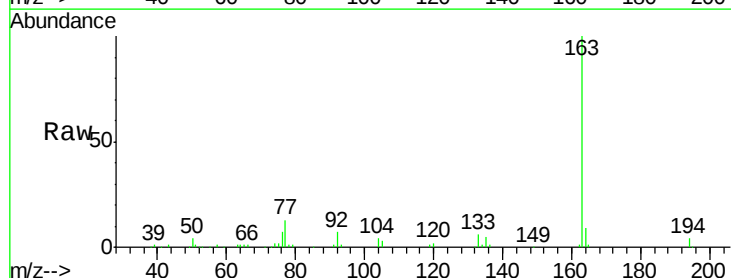


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

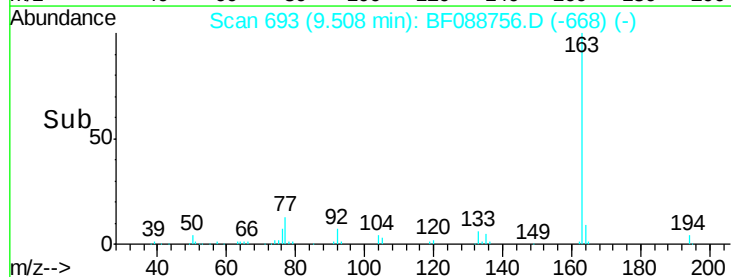
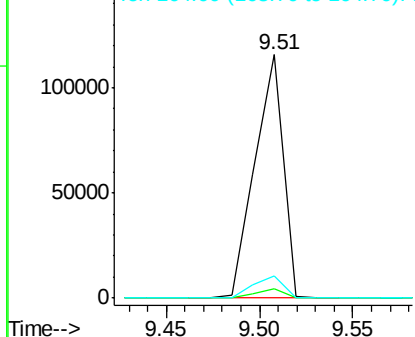


#49
Dimethylphthalate
Concen: 9.23 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF088756.D
Acq: 7 Jul 2016 1:52

Tgt Ion:163 Resp: 120858
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.2 8.3 12.5



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





#56

2,4-Dinitrotoluene

Concen: 6.23 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

Tgt Ion:165 Resp: 23614

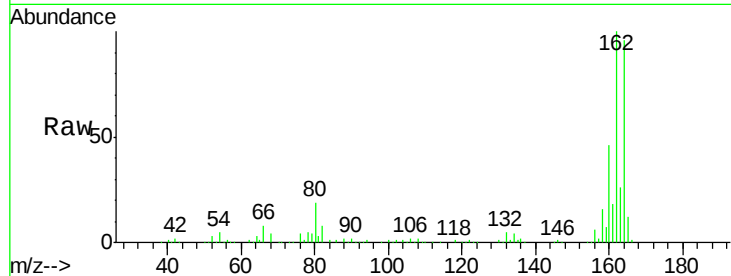
Ion Ratio Lower Upper

165 100

63 1.6 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

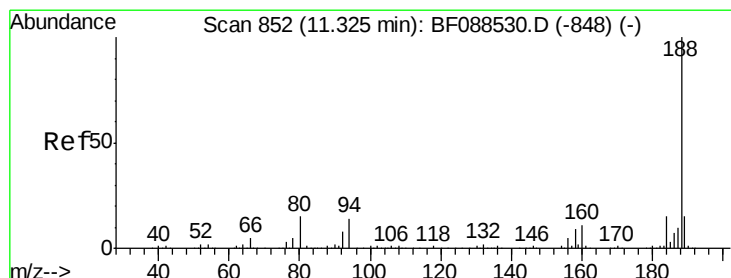
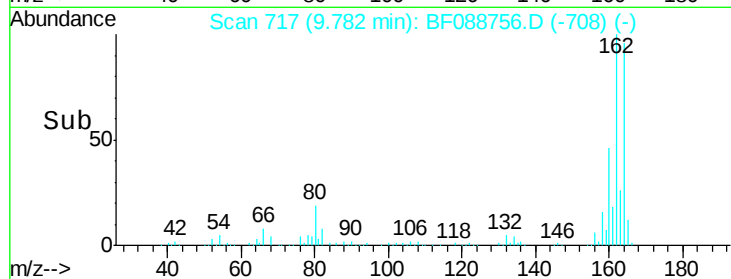
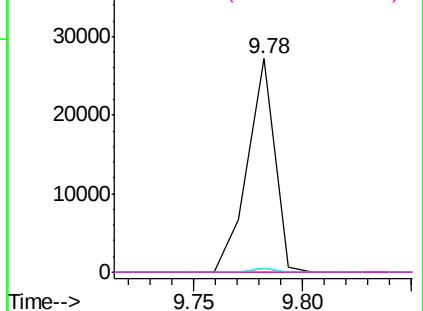


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

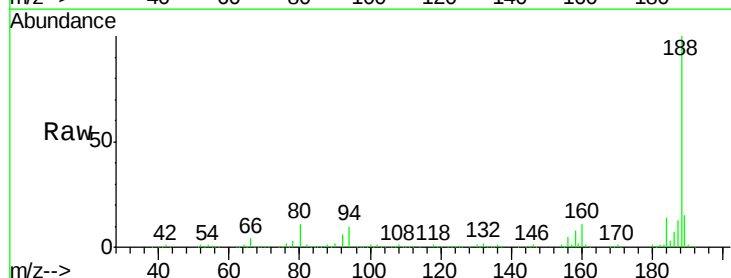
Tgt Ion:188 Resp: 344335

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.6

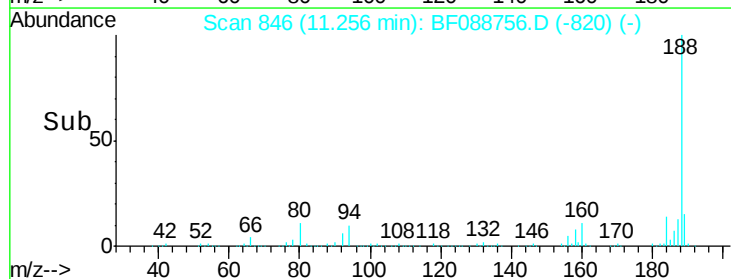
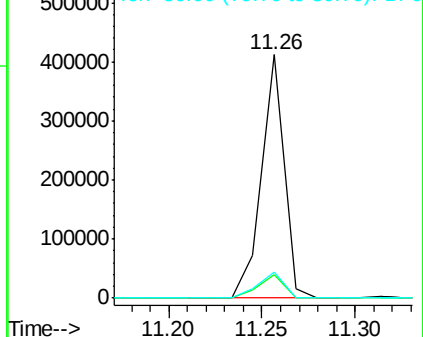
80 10.6 10.0 15.0

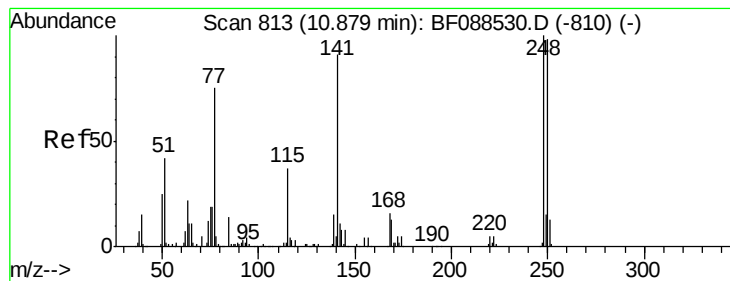


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.13 ng

RT: 10.57 min Scan# 786

Delta R.T. -0.24 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03

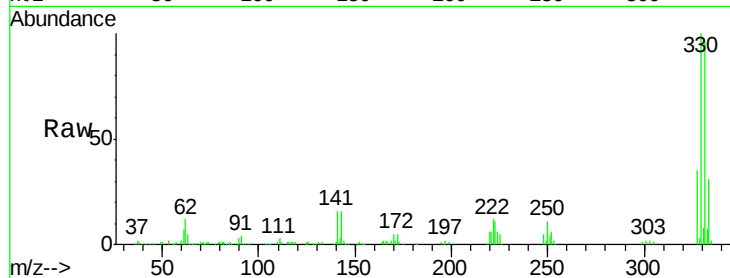
Tgt Ion:248 Resp: 10876

Ion Ratio Lower Upper

248 100

250 208.5 77.1 115.7#

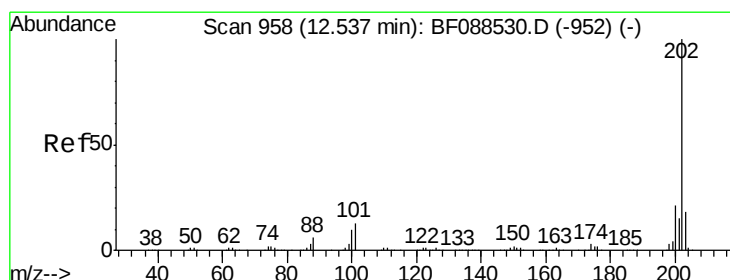
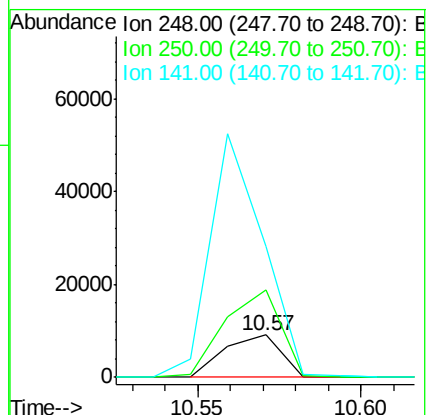
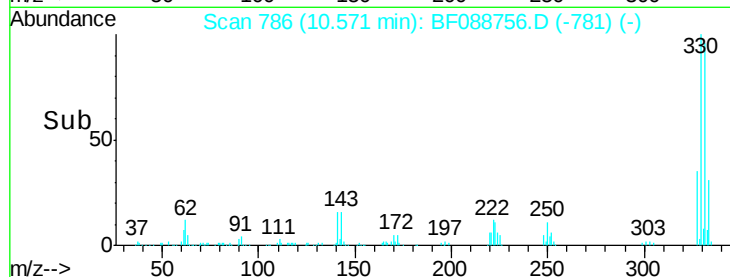
141 311.4 50.6 76.0#



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



#74

Fluoranthene

Concen: 3.05 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

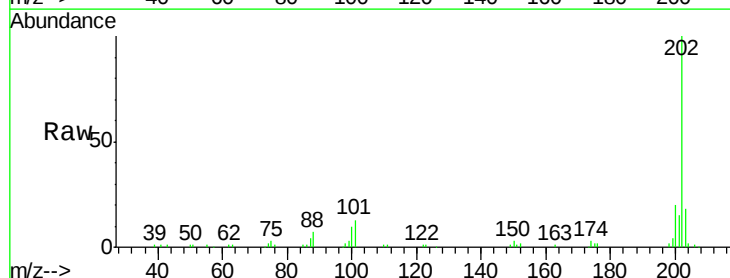
Tgt Ion:202 Resp: 58131

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.1

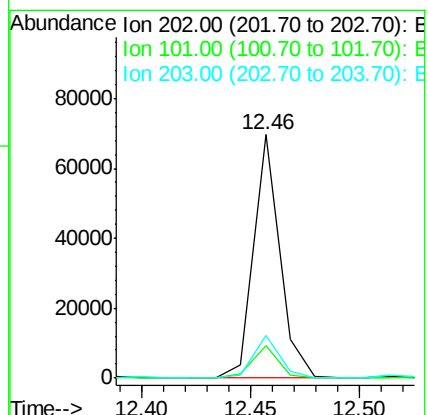
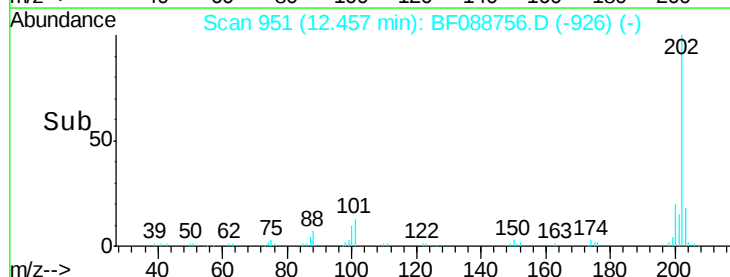
203 17.6 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1075

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Instrument :

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C2.2-03

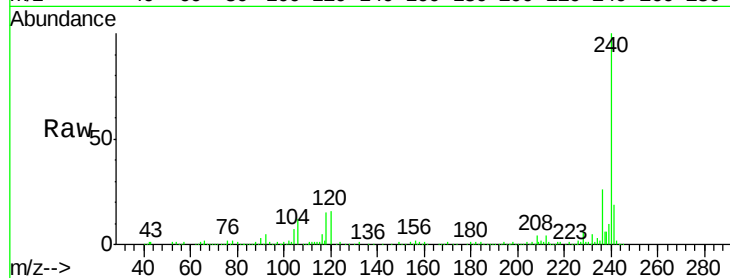
Tgt Ion:240 Resp: 232877

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

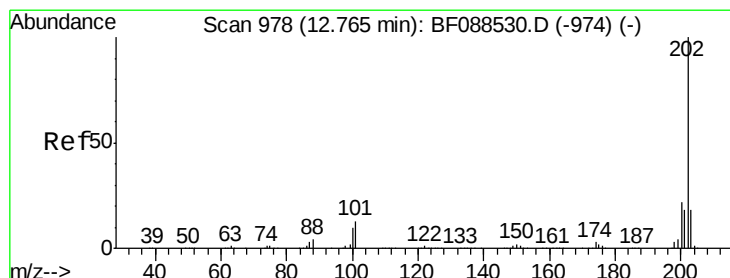
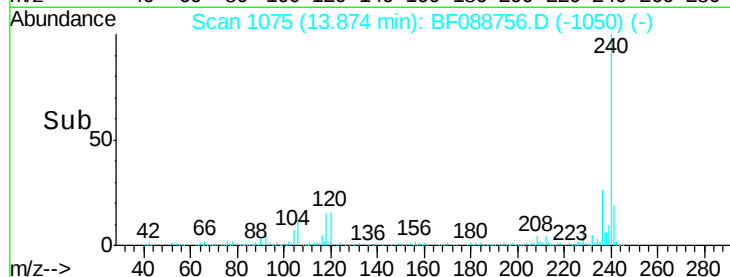
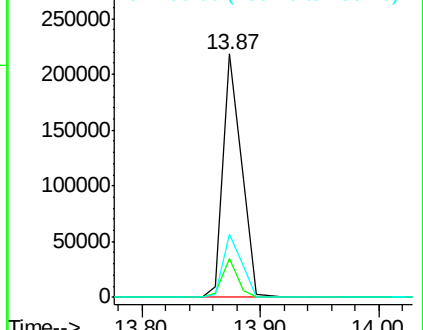
236 26.1 20.2 30.2



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



#77

Pyrene

Concen: 2.92 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

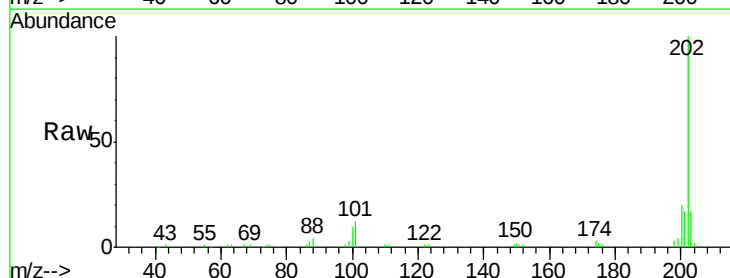
Tgt Ion:202 Resp: 57667

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

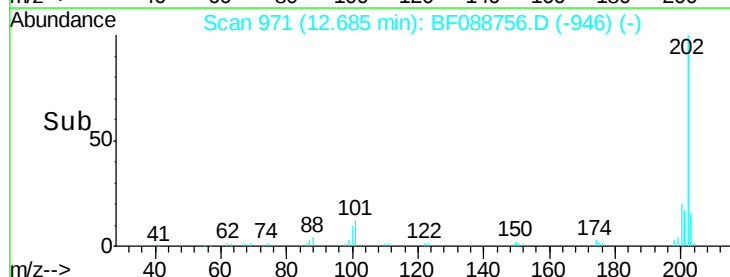
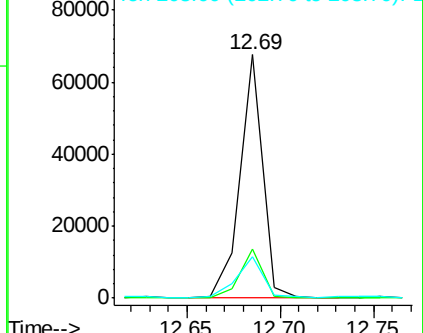
203 16.9 14.5 21.7

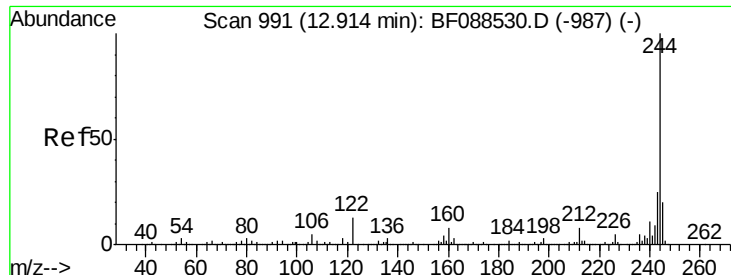


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

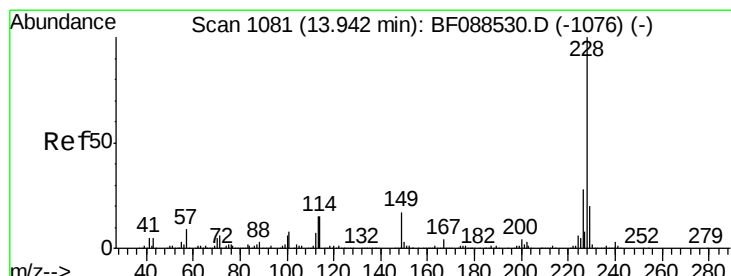
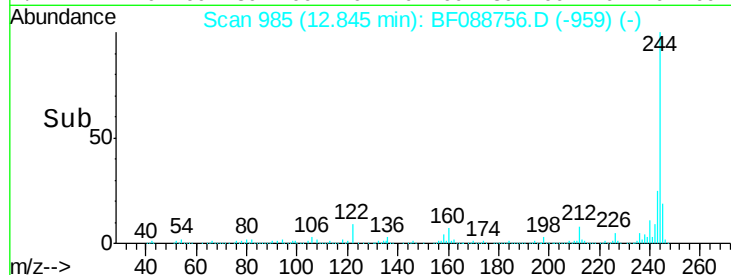
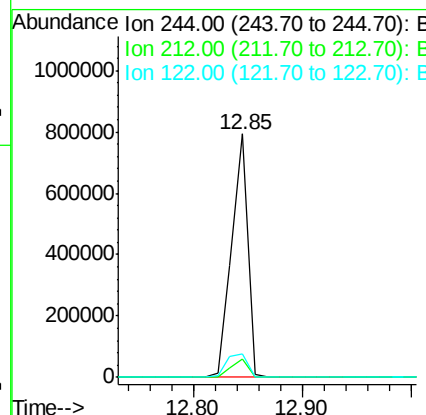
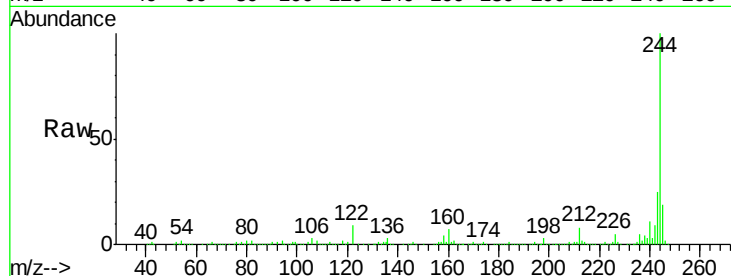




#78
 Terphenyl-d14
 Concen: 77.58 ng
 RT: 12.85 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF088756.D
 Acq: 7 Jul 2016 1:52

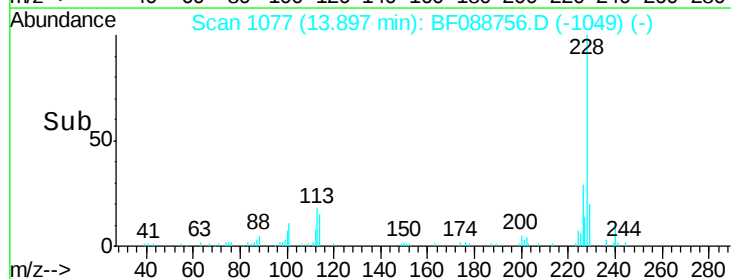
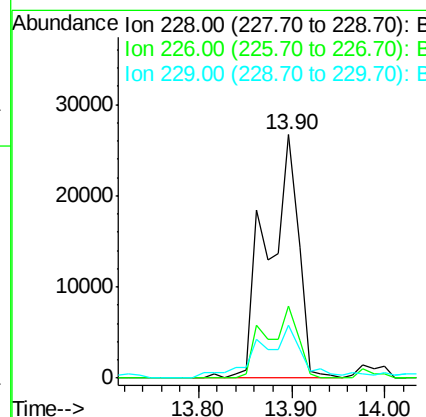
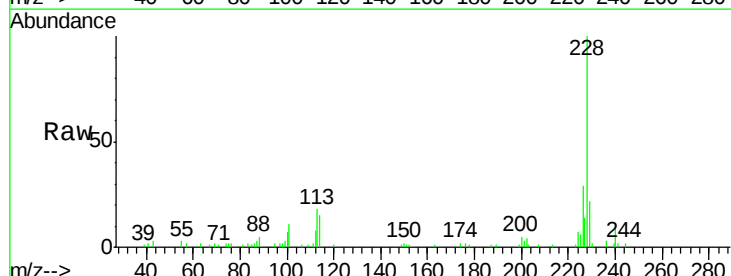
Instrument :
 BNA_F
 ClientSampleId :
 C2.2-03

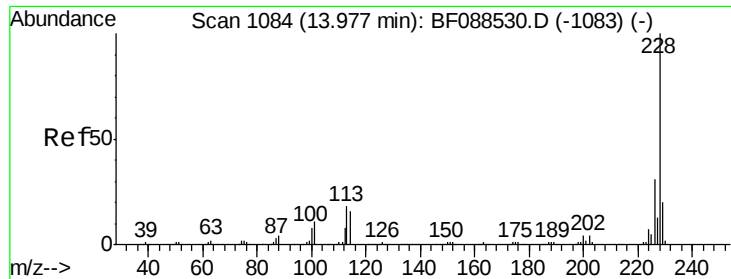
Tgt Ion:244 Resp: 811164
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 9.4 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 4.08 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. 0.02 min
 Lab File: BF088756.D
 Acq: 7 Jul 2016 1:52

Tgt Ion:228 Resp: 61250
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 21.8 16.0 24.0

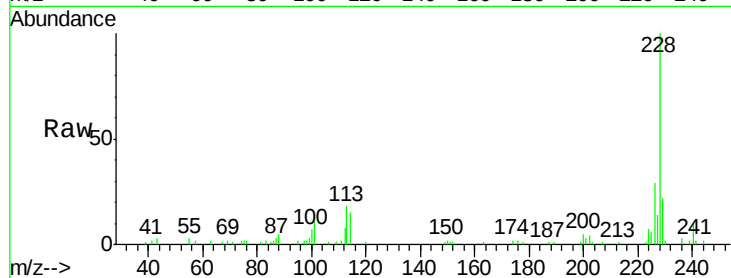




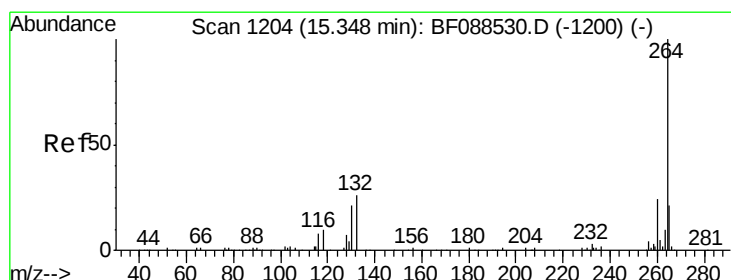
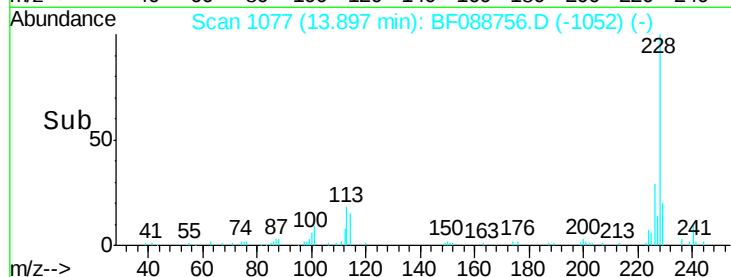
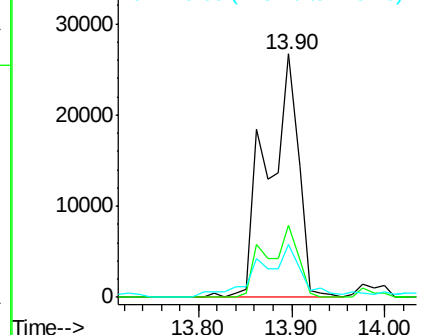
#82
Chrysene
Concen: 4.13 ng
RT: 13.90 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF088756.D
Acq: 7 Jul 2016 1:52

Instrument :
BNA_F
ClientSampleId :
C2.2-03

Tgt Ion: 228 Resp: 61250
Ion Ratio Lower Upper
228 100
226 29.4 25.4 38.2
229 21.8 16.3 24.5

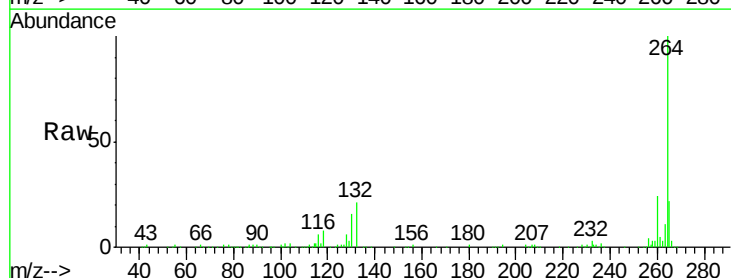


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

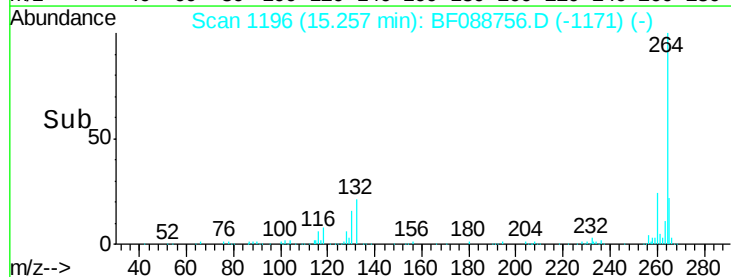
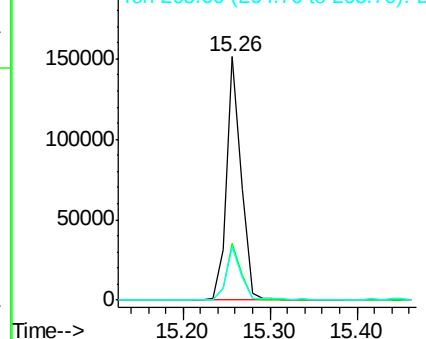


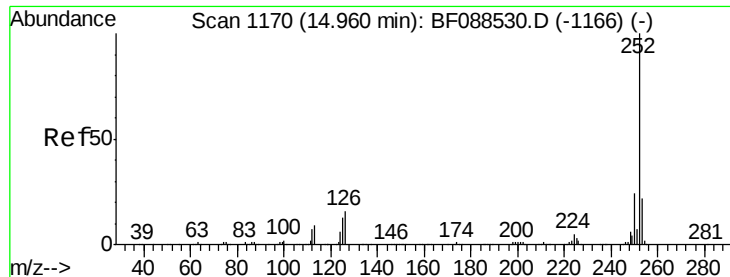
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF088756.D
Acq: 7 Jul 2016 1:52

Tgt Ion: 264 Resp: 179596
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.8 16.9 25.3



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





#87

Benzo(b)fluoranthene

Concen: 5.11 ng

RT: 14.87 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

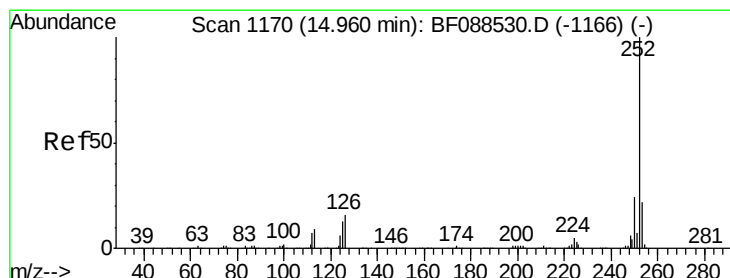
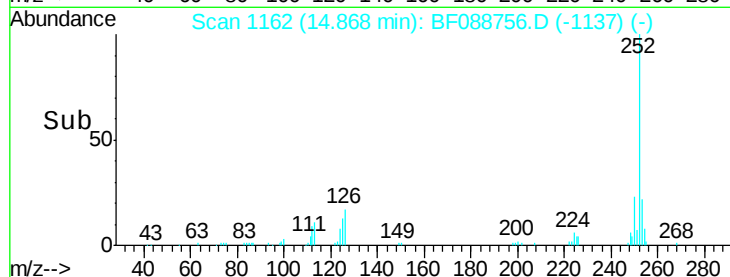
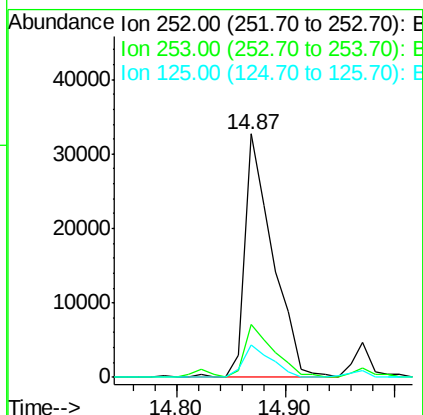
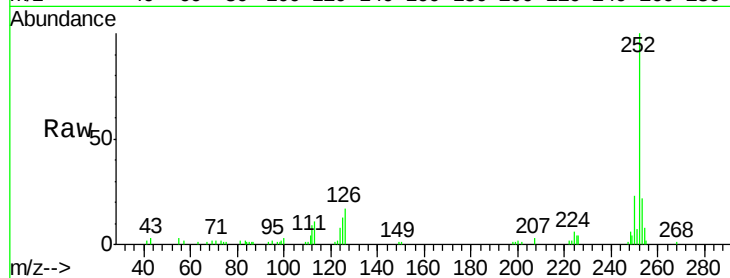
Instrument :

BNA_F

ClientSampleId :

C2.2-03

Tgt Ion:	252	Resp:	57579
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	13.3	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 5.87 ng

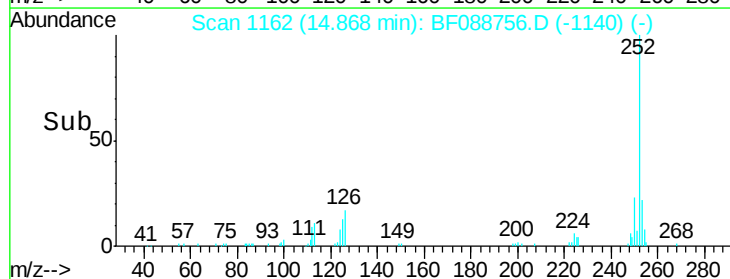
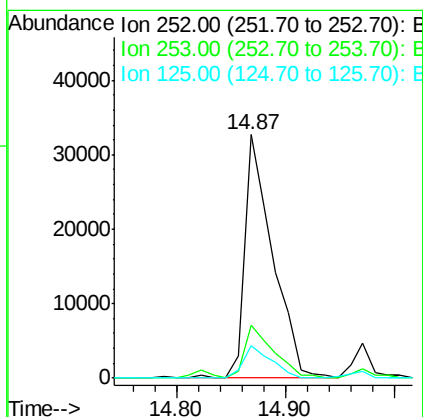
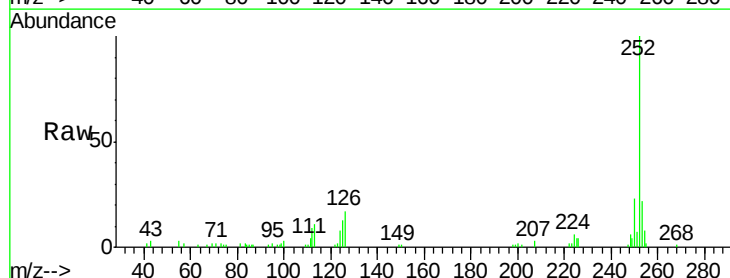
RT: 14.87 min Scan# 1162

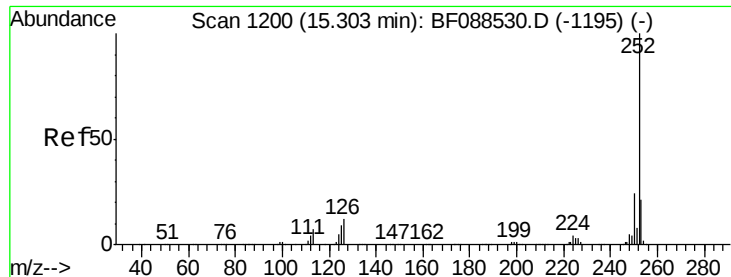
Delta R.T. -0.05 min

Lab File: BF088756.D

Acq: 7 Jul 2016 1:52

Tgt Ion:	252	Resp:	57579
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	13.3	11.2	16.8





#89

Benzo(a)pyrene

Concen: 2.11 ng

RT: 15.14 min Scan# 1186

Delta R.T. -0.07 min

Lab File: BF088756.D

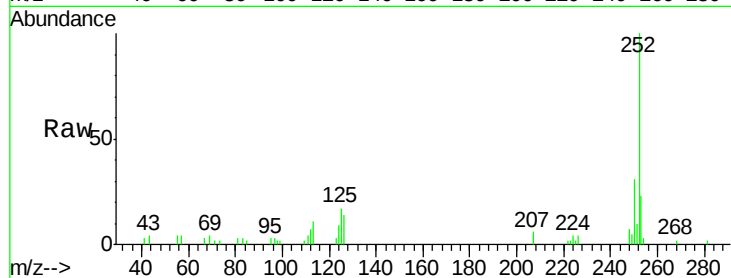
Acq: 7 Jul 2016 1:52

Instrument :

BNA_F

ClientSampleId :

C2.2-03



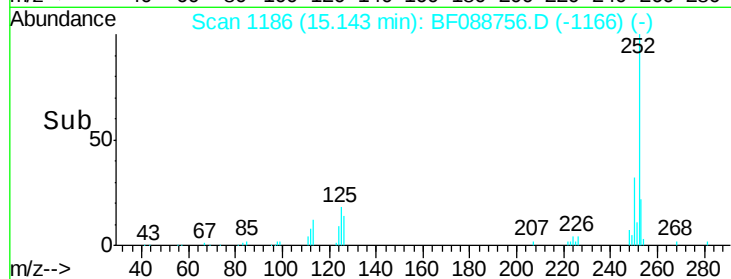
Tgt Ion:252 Resp: 20159

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 17.2 12.5 18.7



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

