

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095409.D
 Acq On : 25 May 2017 5:37
 Operator : SJ/MA
 Sample : I3269-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 08:14:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

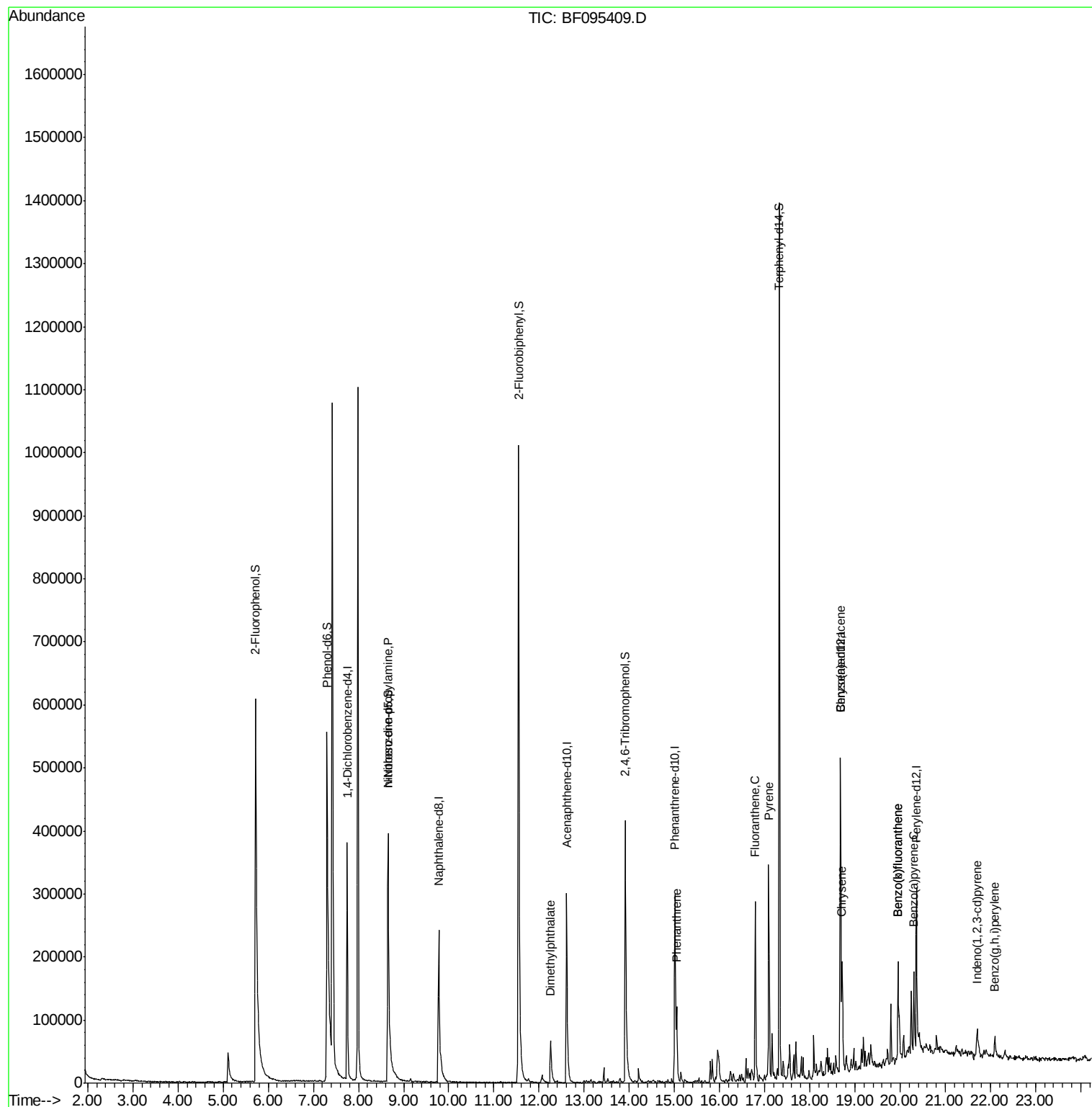
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	85080	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	303853	20.00	ng	-0.01
38) Acenaphthene-d10	12.61	164	120001	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	207659	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	196490	20.00	ng	-0.01
86) Perylene-d12	20.36	264	124479	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	536562	105.14	ng	-0.02
7) Phenol-d6	7.30	99	622872	101.73	ng	-0.01
23) Nitrobenzene-d5	8.65	82	338805	70.31	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	99532	101.28	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	672349	80.64	ng	-0.01
78) Terphenyl-d14	17.32	244	525488	58.90	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.65	70	37630	9.09	ng	# 76
49) Dimethylphthalate	12.25	163	75139	7.63	ng	# 98
70) Phenanthrene	15.05	178	75001	6.29	ng	99
74) Fluoranthene	16.79	202	167827	13.71	ng	98
77) Pyrene	17.09	202	176019	11.98	ng	97
80) Benzo(a)anthracene	18.67	228	81519	7.13	ng	98
82) Chrysene	18.71	228	92708	8.38	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	27396	3.05	ng	92
87) Benzo(b)fluoranthene	19.95	252	112620	14.64	ng	# 95
88) Benzo(k)fluoranthene	19.95	252	112620	15.18	ng	98
89) Benzo(a)pyrene	20.31	252	55092	7.76	ng	# 92
91) Benzo(a,h,i)perylene	22.09	276	27923	4.85	ng	96

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

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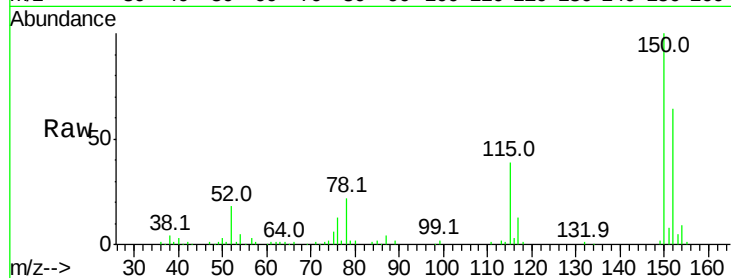


#1

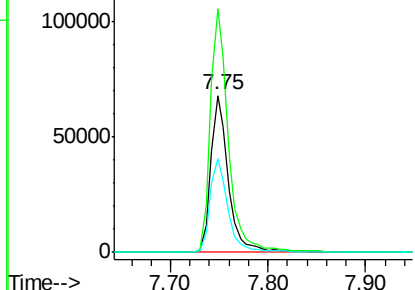
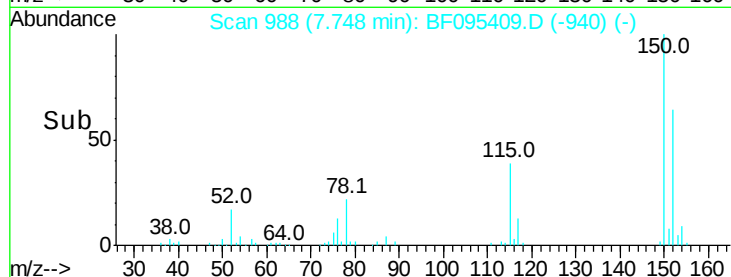
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85080
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 59.8 52.2 78.2



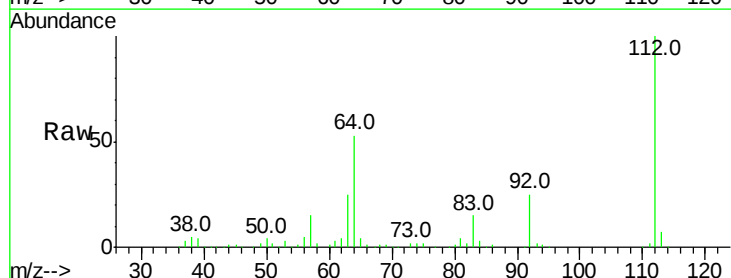
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



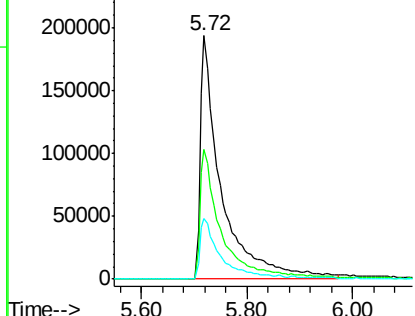
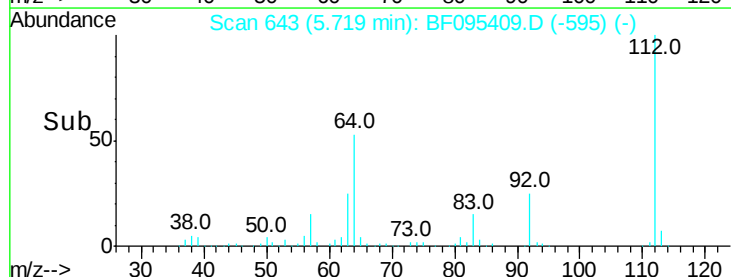
#5

2-Fluorophenol
Concen: 105.14 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

Tgt Ion:112 Resp: 536562
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 24.8 23.4 35.0



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: 101.73 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Instrument :

BNA_F

ClientSampled :

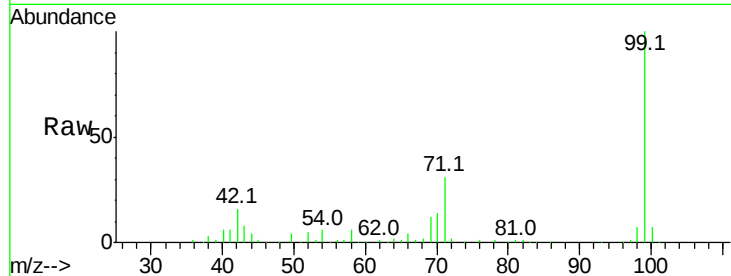
Tot Ion: 99 Resp: 622872

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

71 31.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

250000

200000

150000

100000

50000

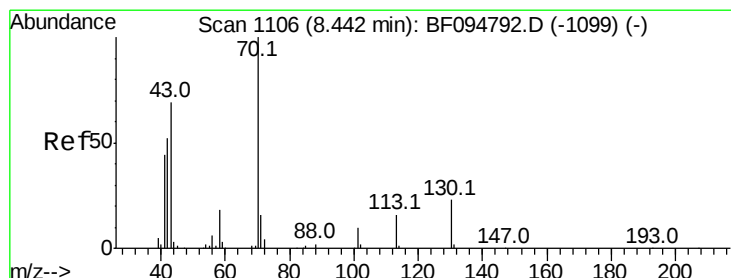
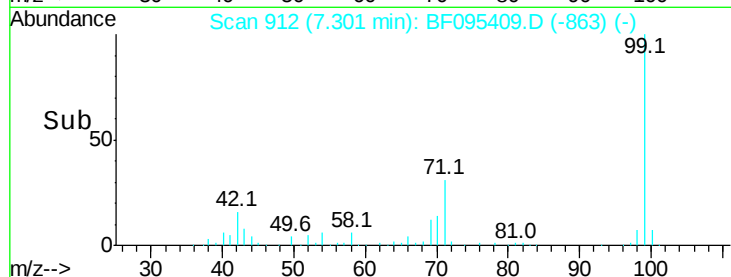
0

7.20

7.40

7.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 9.09 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Tgt Ion: 70 Resp: 37630

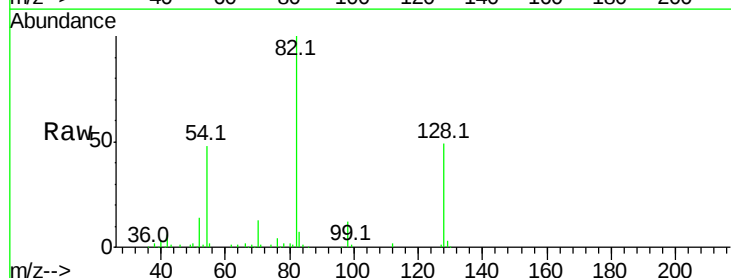
Ion Ratio Lower Upper

70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 3.2 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

25000

20000

15000

10000

5000

0

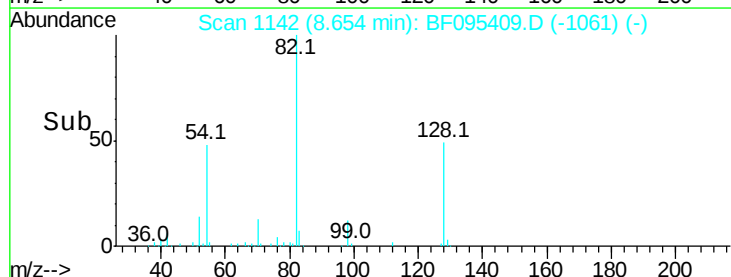
8.60

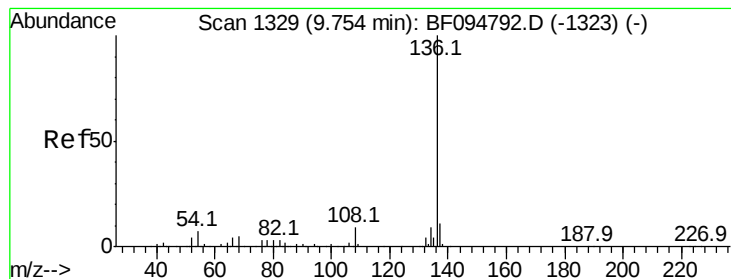
8.65

8.70

8.75

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

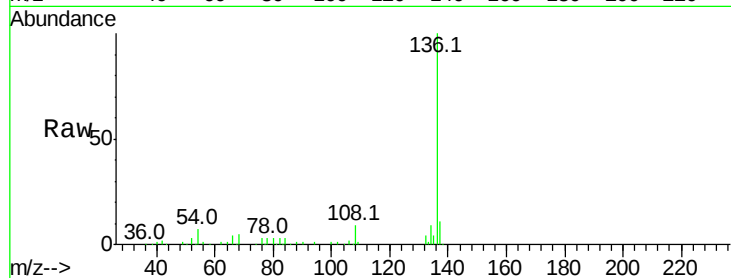
Delta R.T. -0.01 min

Lab File: BF095409.D

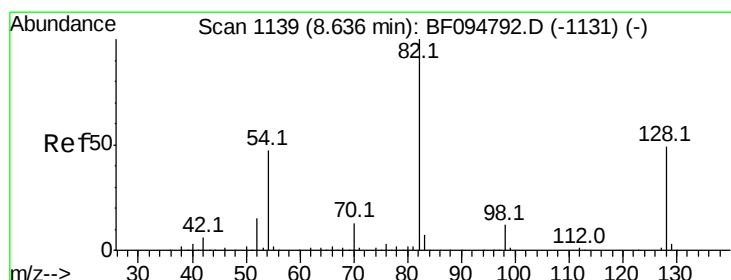
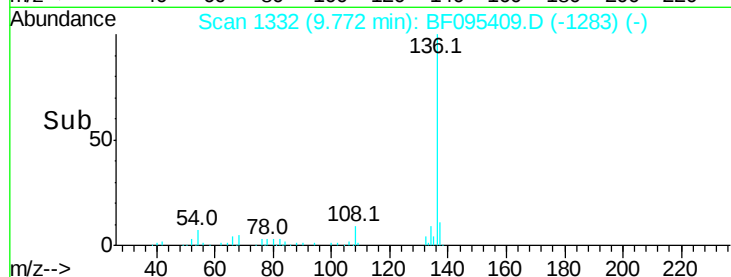
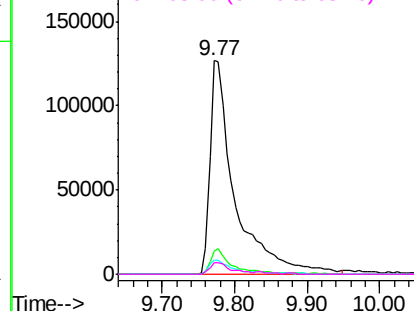
Acq: 25 May 2017 5:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	303853
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	6.8	4.9 7.3
68	5.4	4.1 6.1



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: 70.31 ng

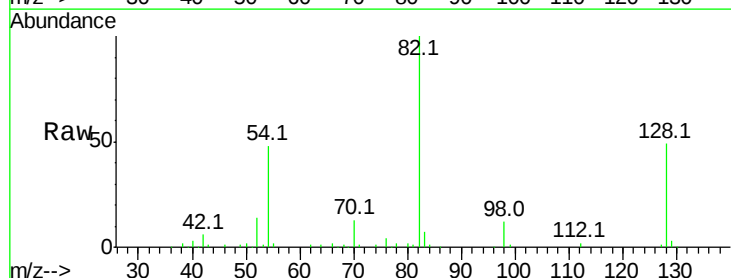
RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

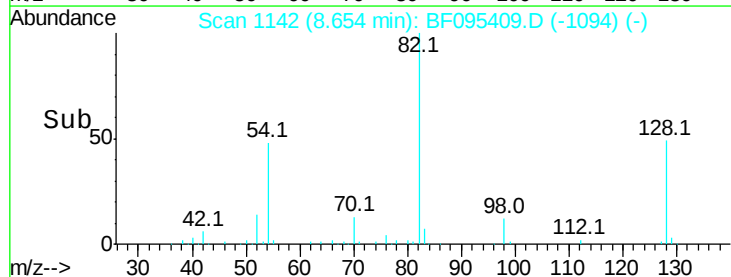
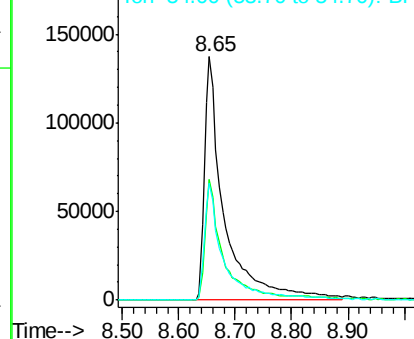
Lab File: BF095409.D

Acq: 25 May 2017 5:37

Tgt Ion: 82	Resp:	338805
Ion Ratio	Lower	Upper
82	100	
128	49.4	34.0 51.0
54	48.0	42.2 63.2



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: 12.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Instrument :

BNA_F

ClientSampleId :

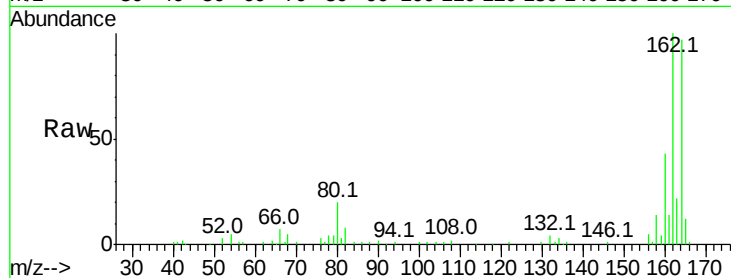
Tot Ion:164 Resp: 120001

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

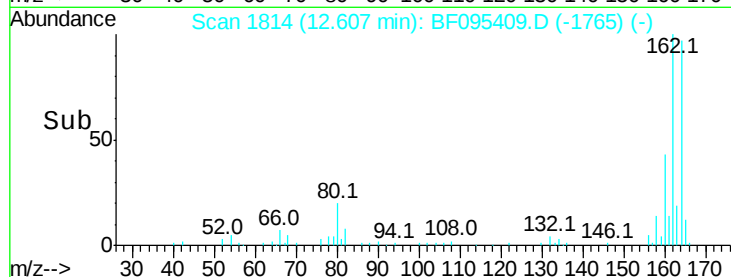
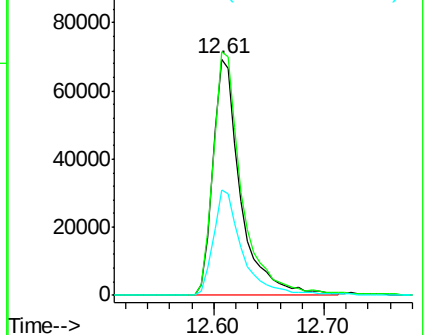
160 44.5 36.2 54.2



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: 101.28 ng

RT: 13.91 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

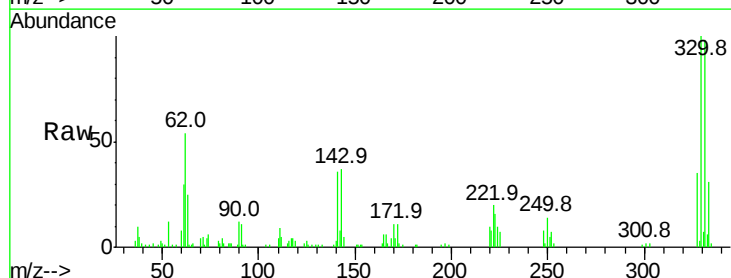
Tgt Ion:330 Resp: 99532

Ion Ratio Lower Upper

330 100

332 102.2 76.6 115.0

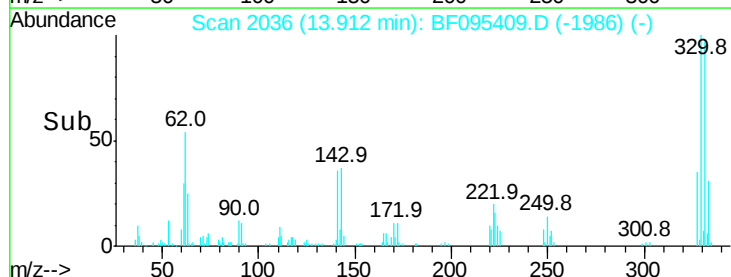
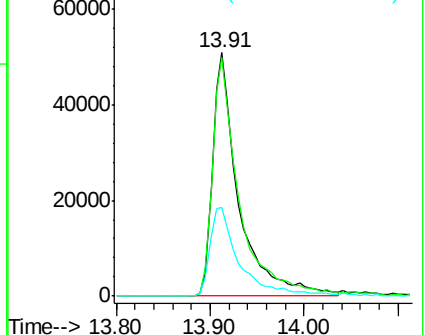
141 41.1 31.4 47.2



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

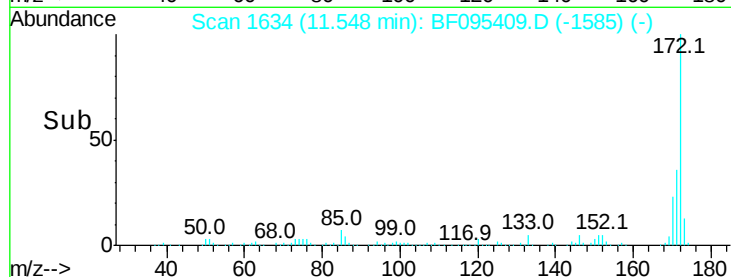
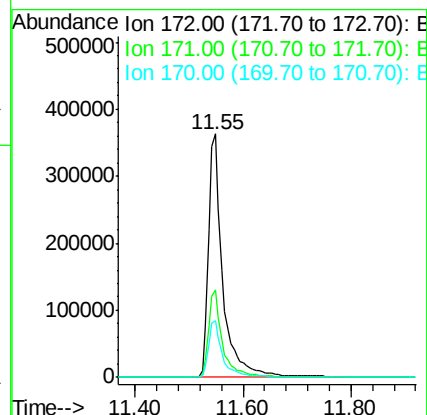
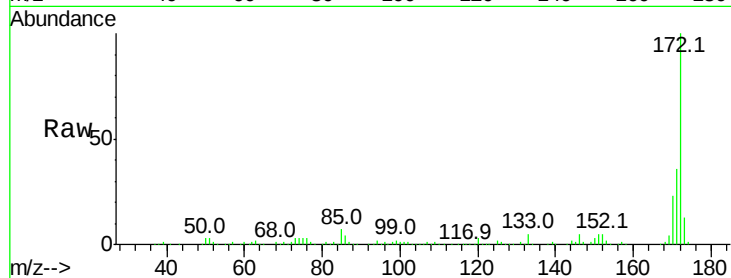




#44
2-Fluorobiphenyl
Concen: 80.64 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

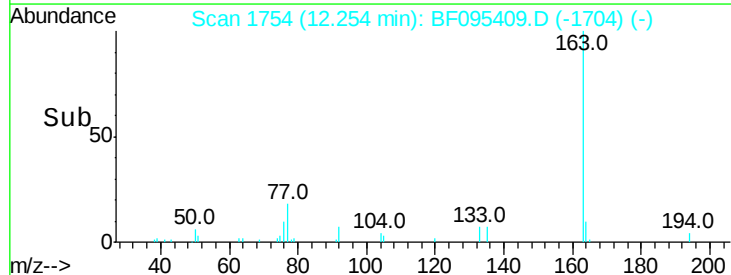
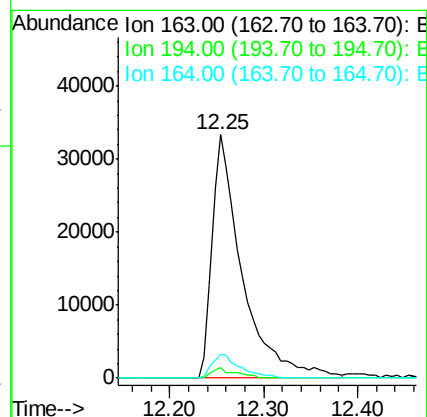
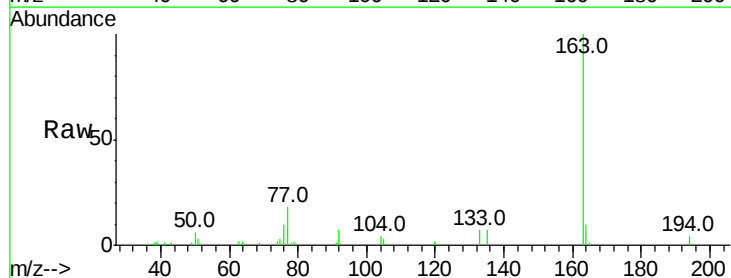
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 672349
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.4 19.8 29.8



#49
Dimethylphthalate
Concen: 7.63 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

Tgt Ion:163 Resp: 75139
Ion Ratio Lower Upper
163 100
194 4.3 2.6 4.0#
164 9.8 8.4 12.6

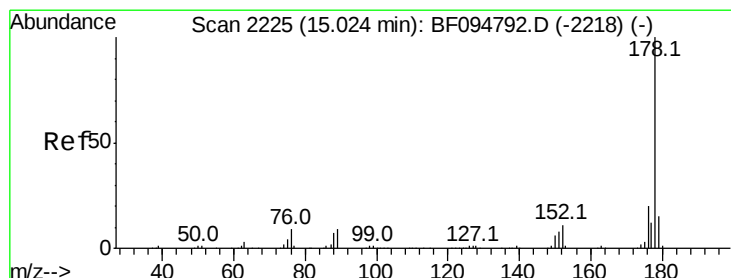
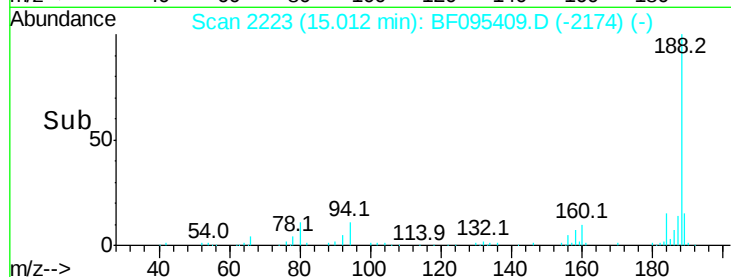
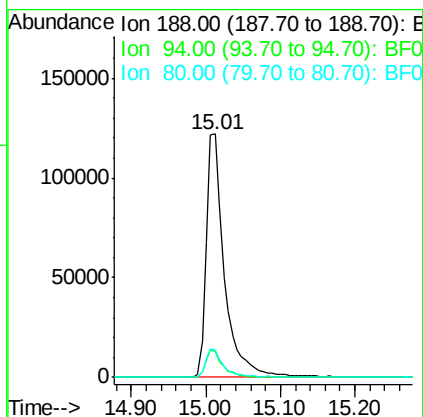
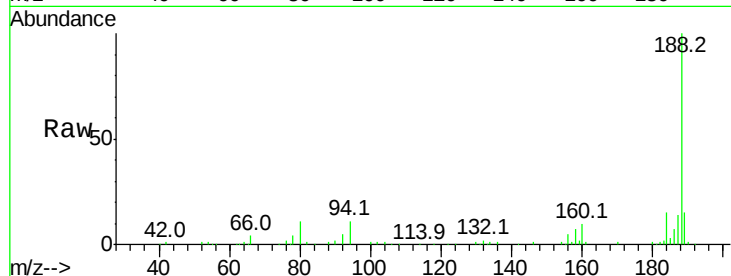




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

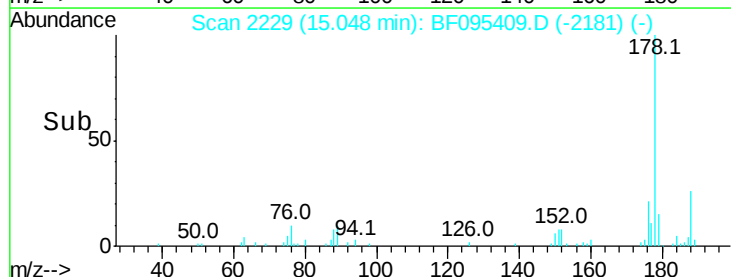
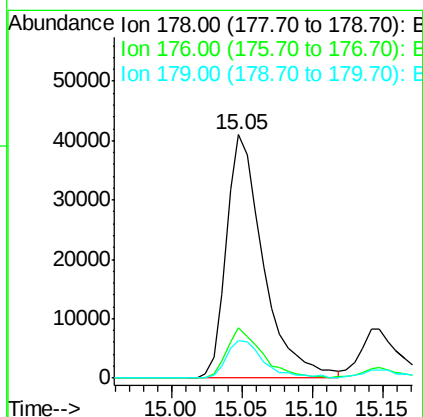
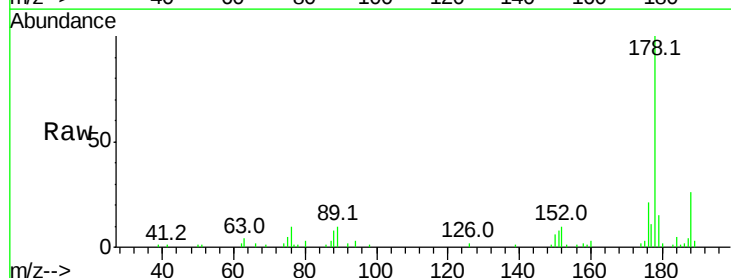
Instrument :
 BNA_F
 ClientSampleId :

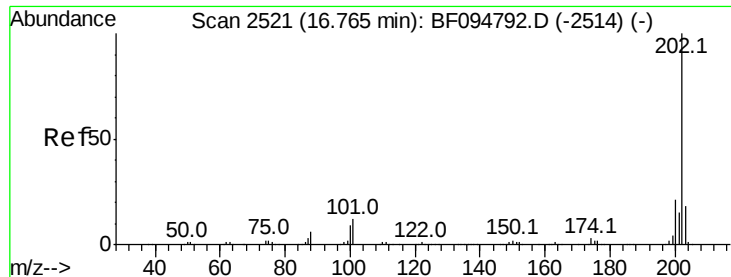
Tot Ion:188 Resp: 207659
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.1 10.2 15.2



#70
 Phenanthrene
 Concen: 6.29 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

Tgt Ion:178 Resp: 75001
 Ion Ratio Lower Upper
 178 100
 176 20.8 16.2 24.4
 179 15.2 12.6 19.0

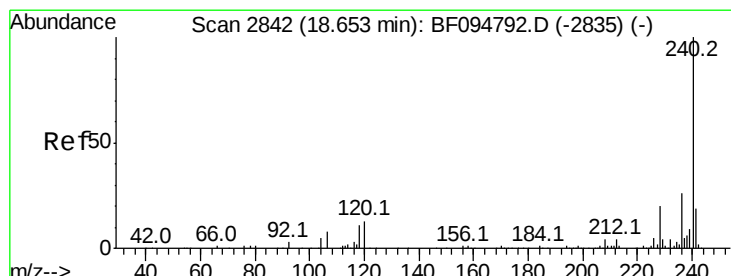
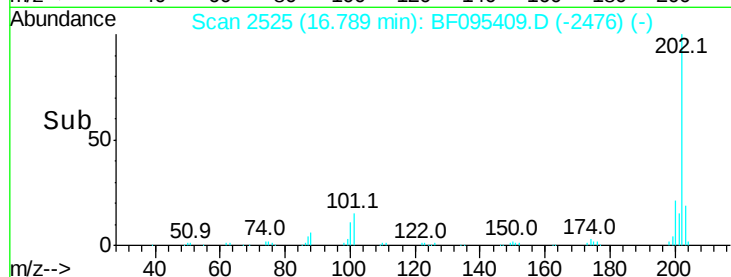
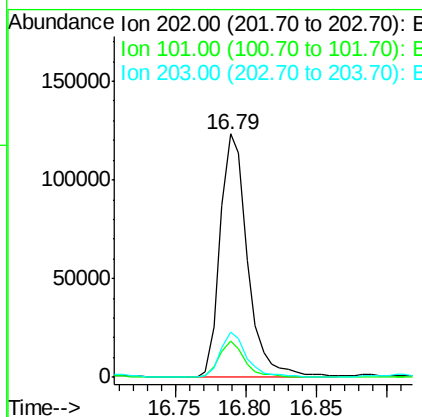
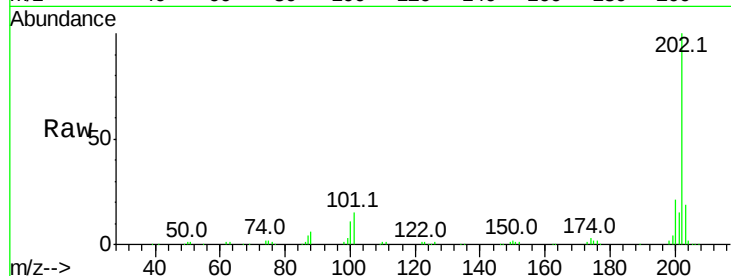




#74
 Fluoranthene
 Concen: 13.71 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

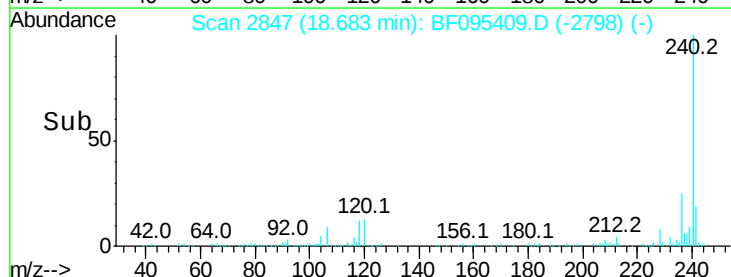
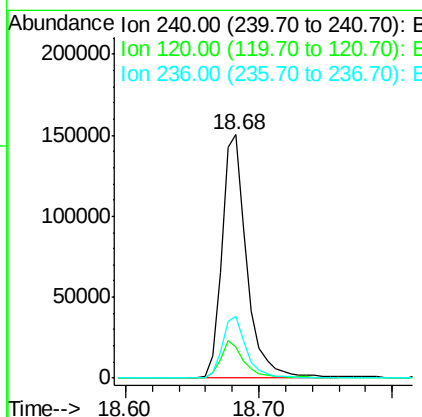
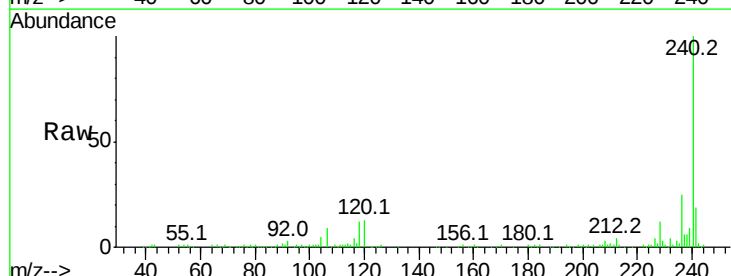
Instrument :
 BNA_F
 ClientSampleId :

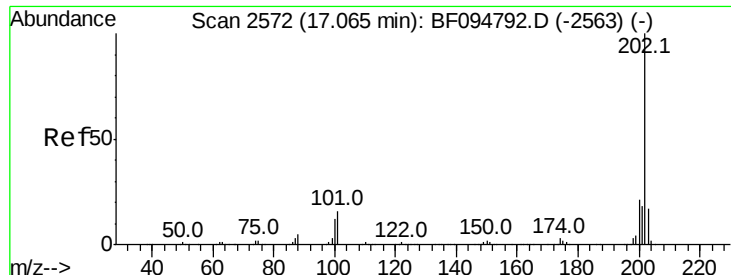
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	18.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	25.5	20.5	30.7





#77

Pvrene

Concen: 11.98 ng

RT: 17.09 min Scan# 2577

Delta R.T. -0.01 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Instrument :

BNA_F

ClientSampleId :

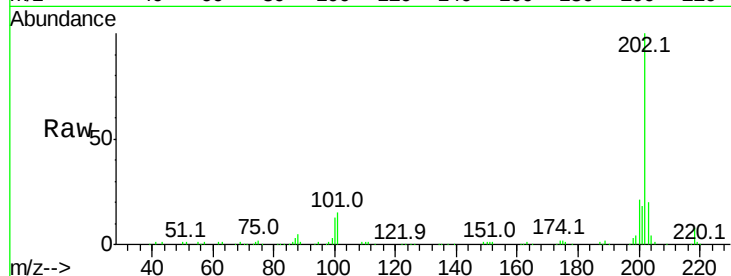
Tot Ion:202 Resp: 176019

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

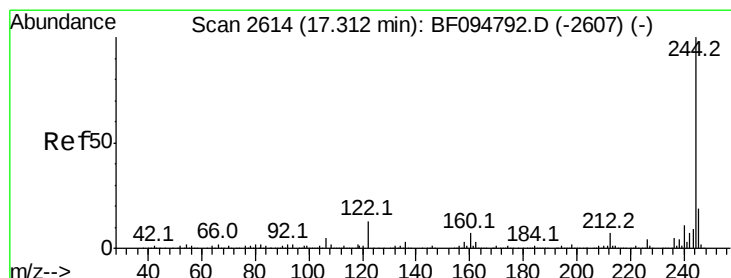
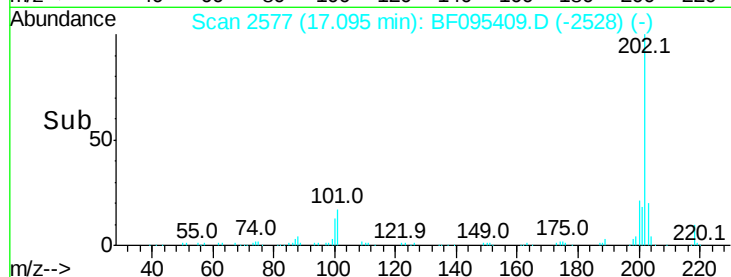
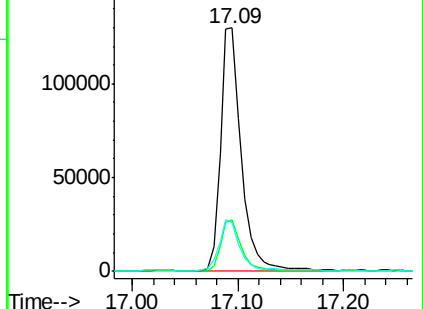
203 20.0 14.4 21.6



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: 58.90 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

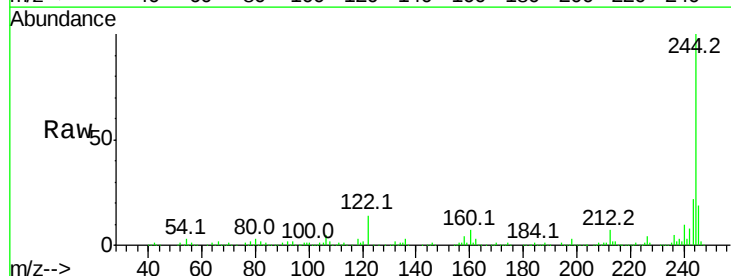
Tgt Ion:244 Resp: 525488

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

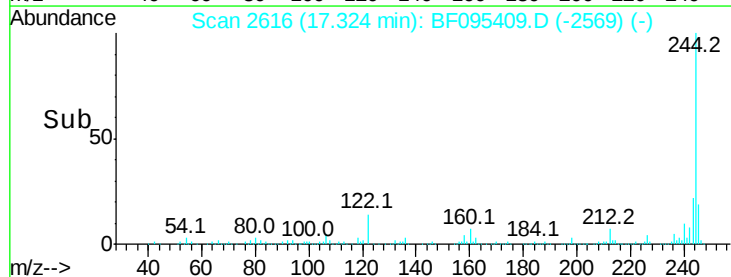
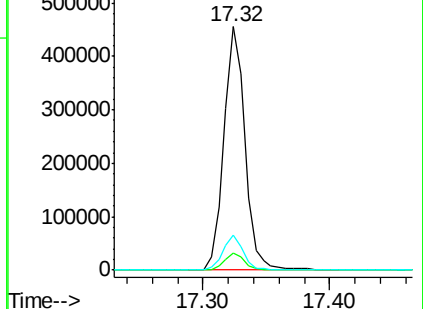
122 14.5 10.3 15.5

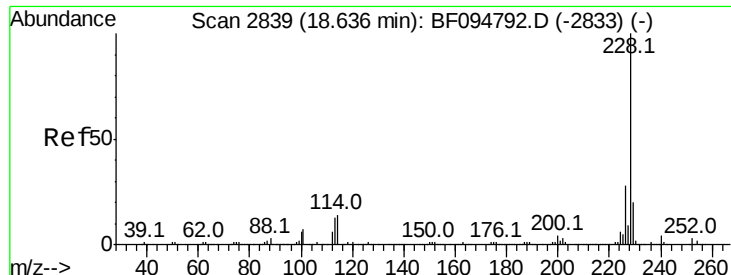


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.13 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Instrument :

BNA_F

ClientSampleId :

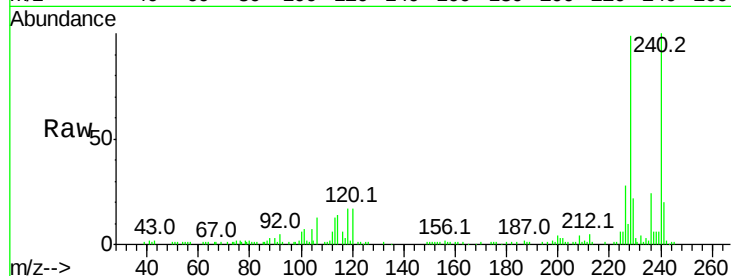
Tot Ion:228 Resp: 81519

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

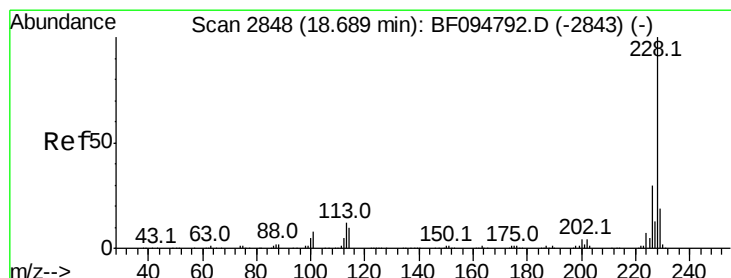
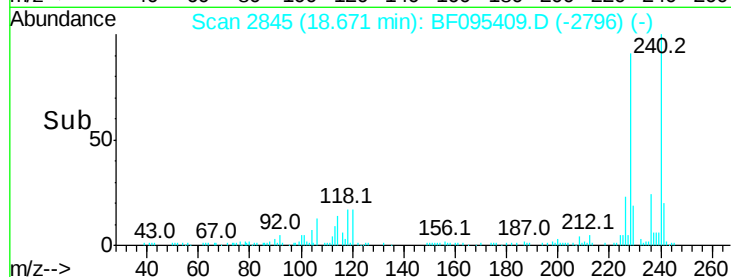
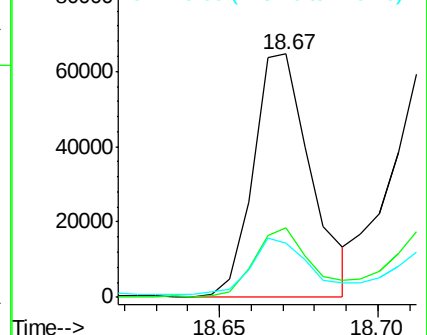
229 22.1 16.3 24.5



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



#82

Chrysene

Concen: 8.38 ng

RT: 18.71 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

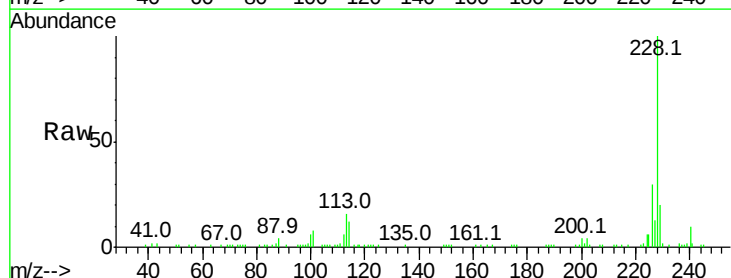
Tgt Ion:228 Resp: 92708

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

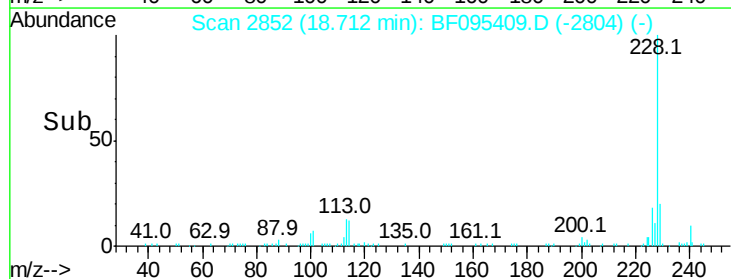
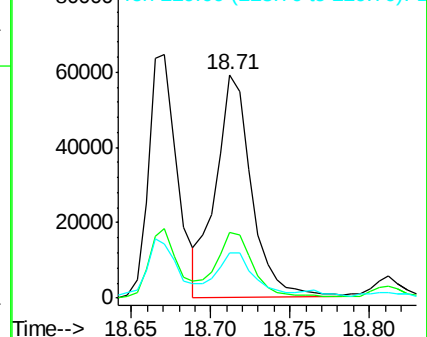
229 20.4 15.8 23.6

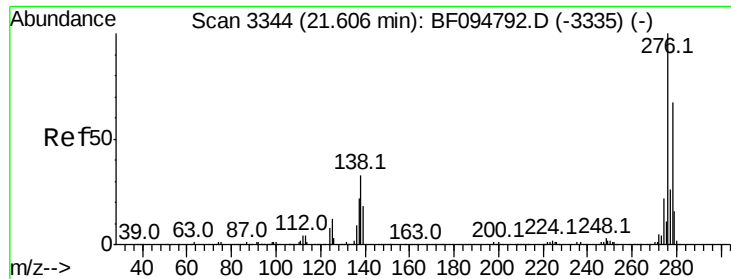


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

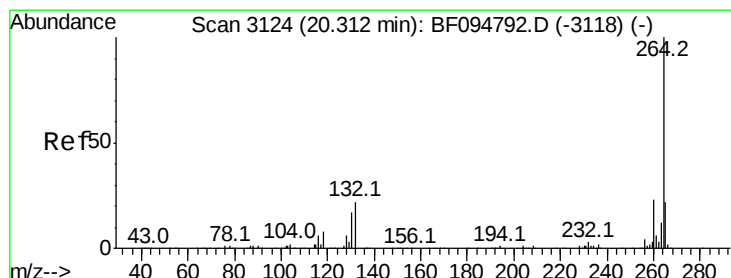
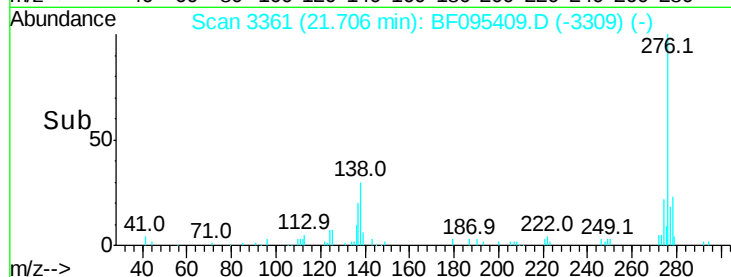
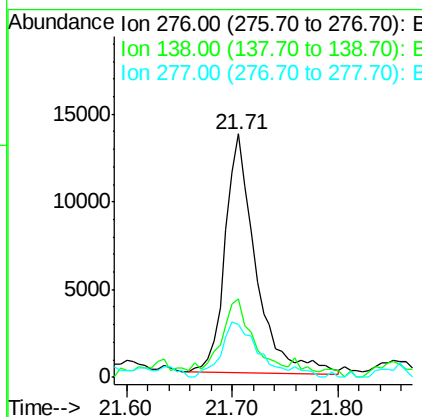
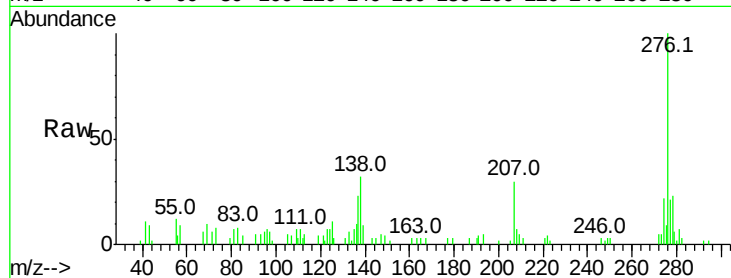




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.05 ng
 RT: 21.71 min Scan# 3361
 Delta R.T. 0.01 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

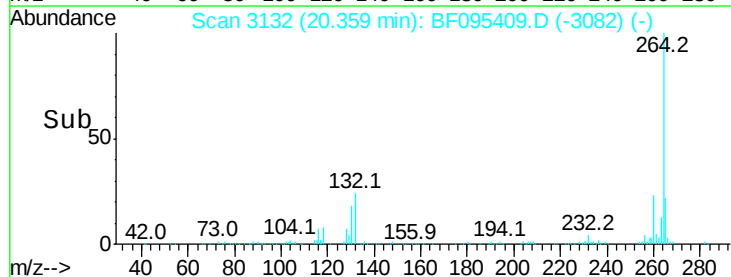
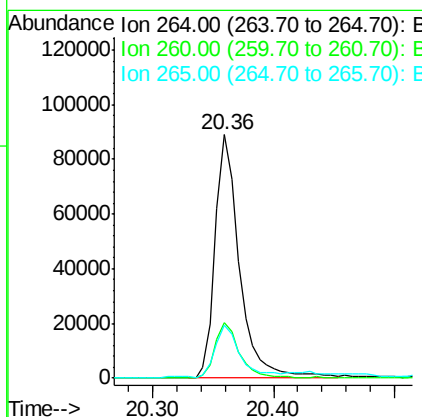
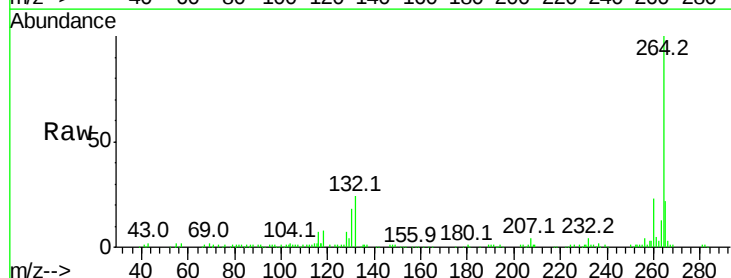
Instrument :
 BNA_F
 ClientSampleId :

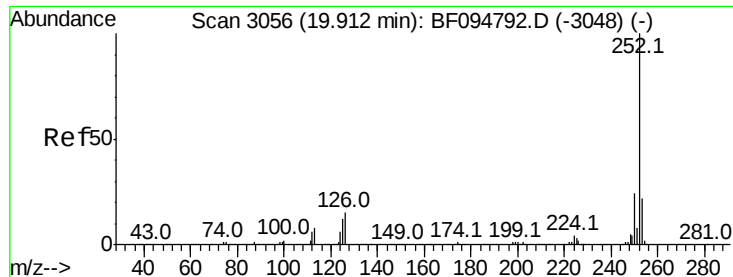
Tot Ion: 276 Resp: 27396
 Ion Ratio Lower Upper
 276 100
 138 28.4 27.8 41.6
 277 27.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.36 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BF095409.D
 Acq: 25 May 2017 5:37

Tgt Ion: 264 Resp: 124479
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 14.64 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095409.D

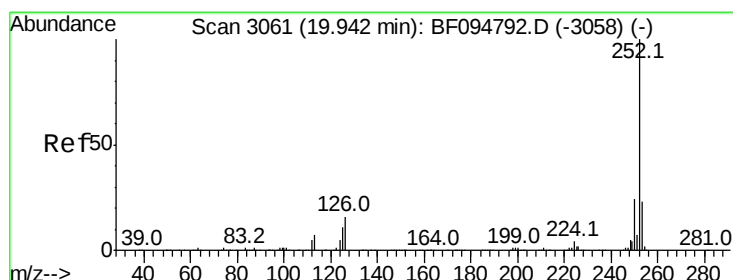
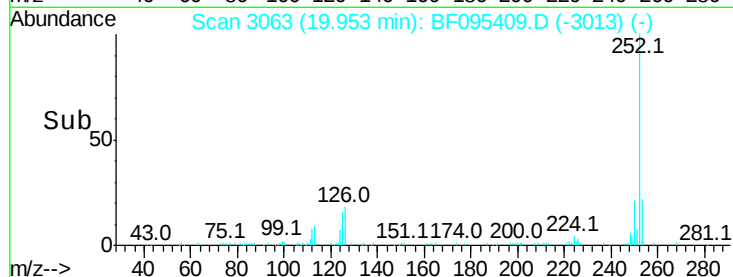
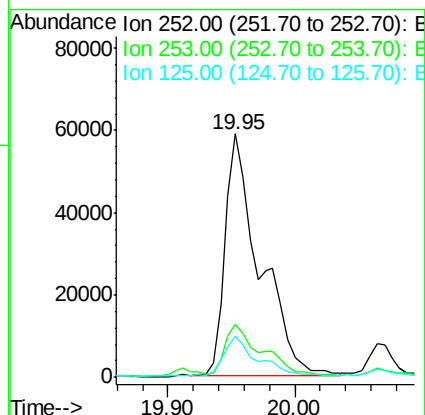
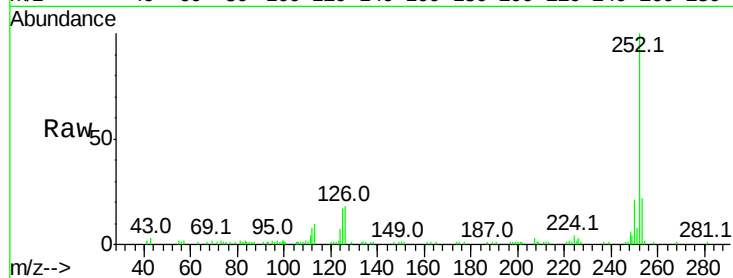
Acq: 25 May 2017 5:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	112620
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	16.8	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 15.18 ng

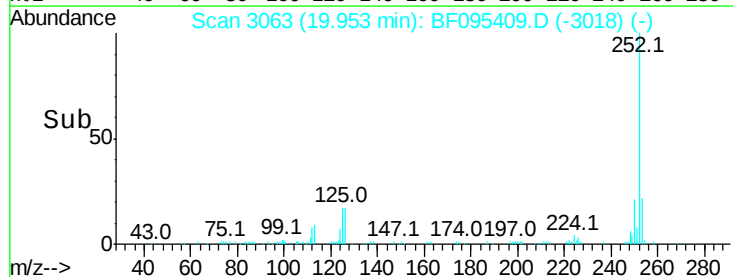
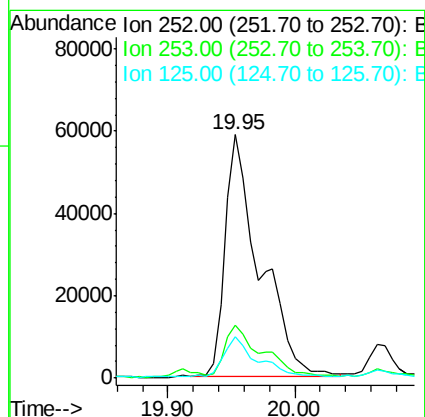
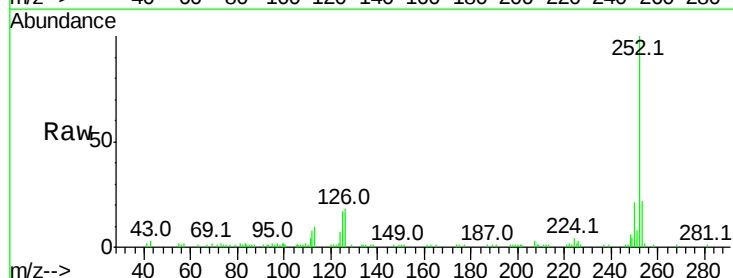
RT: 19.95 min Scan# 3063

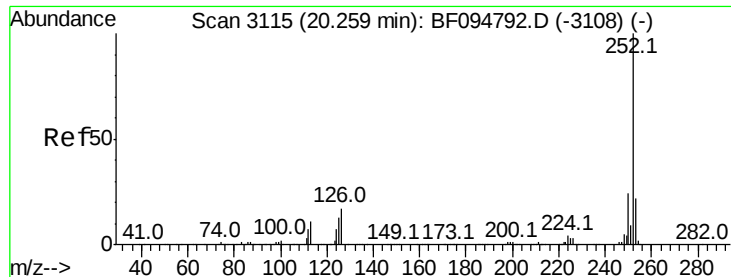
Delta R.T. -0.04 min

Lab File: BF095409.D

Acq: 25 May 2017 5:37

Tgt Ion:	252	Resp:	112620
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	16.8	13.1	19.7

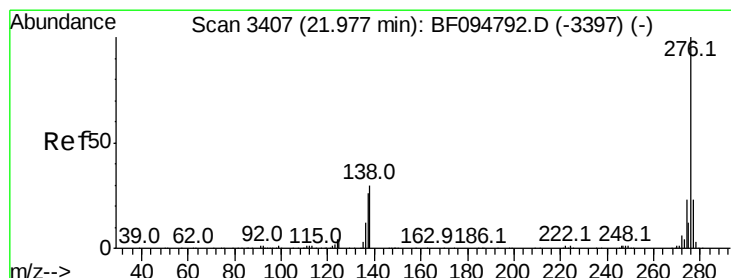
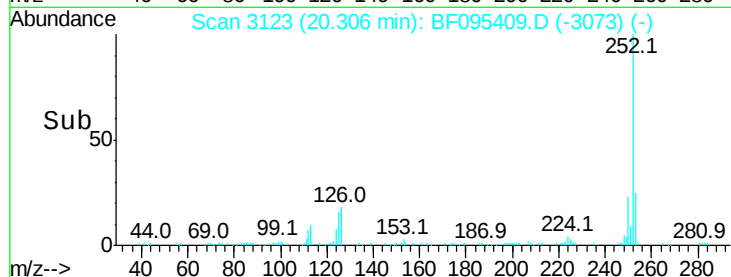
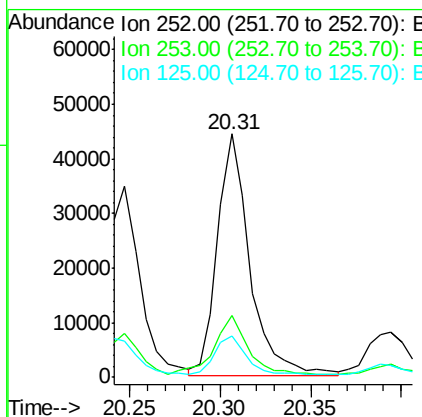
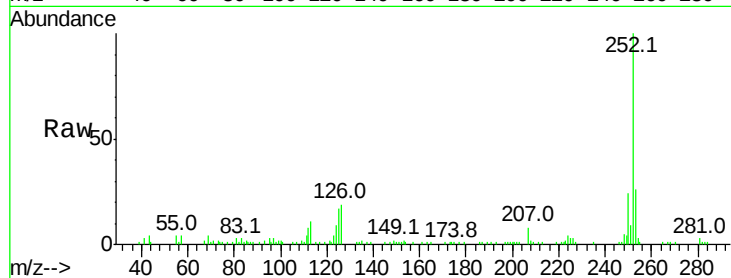




#89
Benzo(a)pyrene
Concen: 7.76 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:	252	Resp:	55092
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.5	26.3
125	17.2	11.0	16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.85 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.01 min
Lab File: BF095409.D
Acq: 25 May 2017 5:37

Tgt Ion:	276	Resp:	27923
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	28.0
138	29.6	25.4	38.0

