

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104076.D
 Acq On : 30 Mar 2018 3:32
 Operator : JU/SJ
 Sample : J2122-08 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:53:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

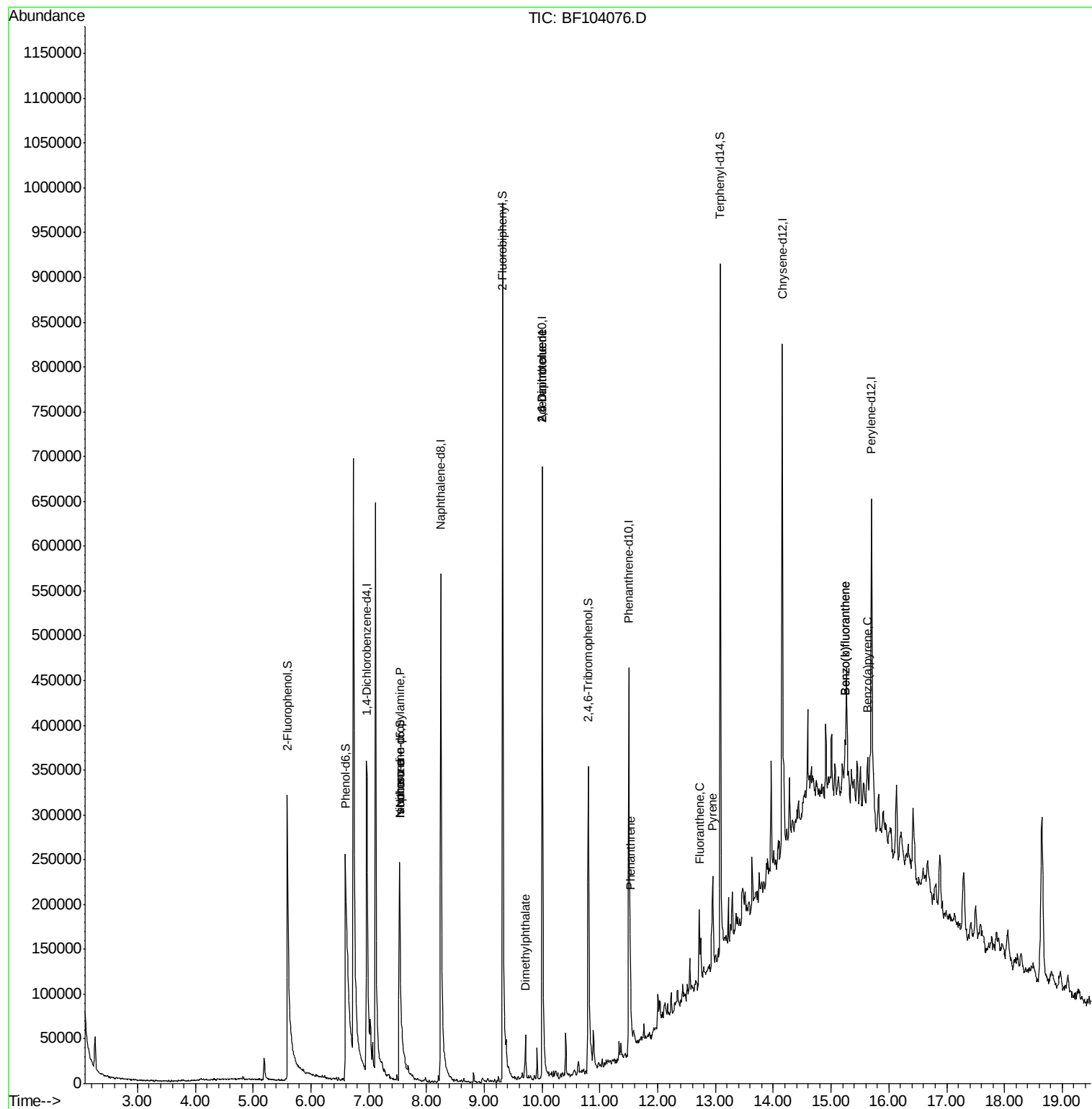
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	107701	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	444486	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	174644	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	241436	20.00	ng	0.00
75) Chrysene-d12	14.16	240	245184	20.00	ng	0.00
86) Perylene-d12	15.70	264	229844	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	273634	40.52	ng	0.00
7) Phenol-d6	6.60	99	369533	44.47	ng	0.00
23) Nitrobenzene-d5	7.53	82	214017	29.45	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	72599	37.33	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	451762	40.79	ng	0.00
78) Terphenyl-d14	13.08	244	311365	29.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	26683	5.411	ng	# 81
25) Isophorone	7.53	82	214017	15.978	ng	# 64
49) Dimethylphthalate	9.71	163	31556	2.289	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	21563	7.269	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	21949	5.798	ng	# 21
70) Phenanthrene	11.53	178	33416	2.556	ng	98
74) Fluoranthene	12.72	202	50405	3.628	ng	96
77) Pyrene	12.95	202	51241	2.907	ng	97
87) Benzo(b)fluoranthene	15.24	252	50720	3.626	ng	# 77
88) Benzo(k)fluoranthene	15.24	252	50720	3.849	ng	# 81
89) Benzo(a)pyrene	15.63	252	28560	2.203	ng	# 84

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

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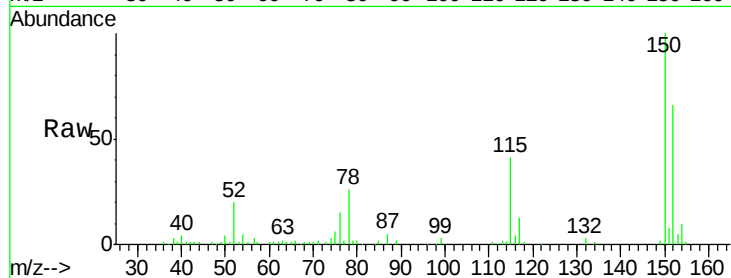


#1

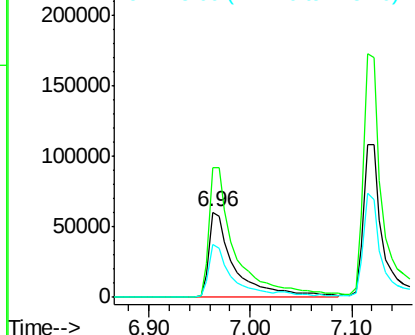
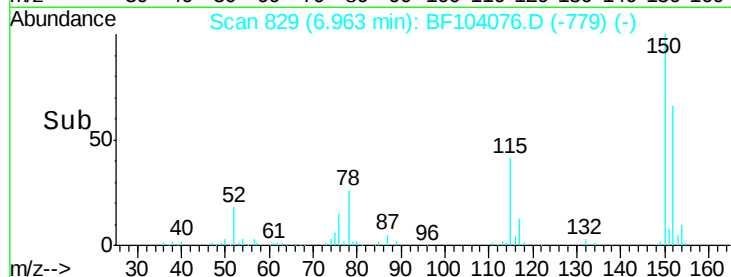
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107701
Ion Ratio Lower Upper
152 100
150 152.1 124.6 186.8
115 62.2 50.1 75.1



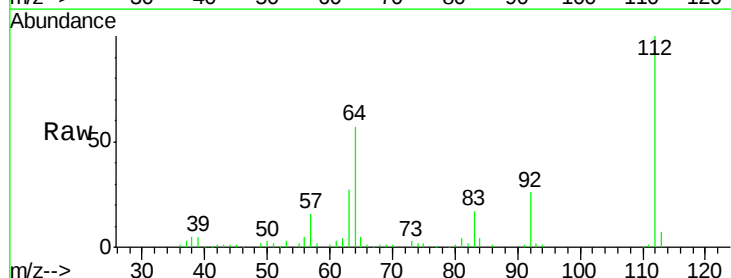
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



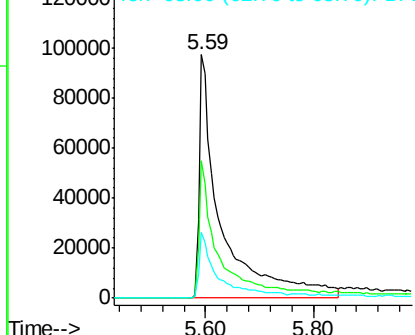
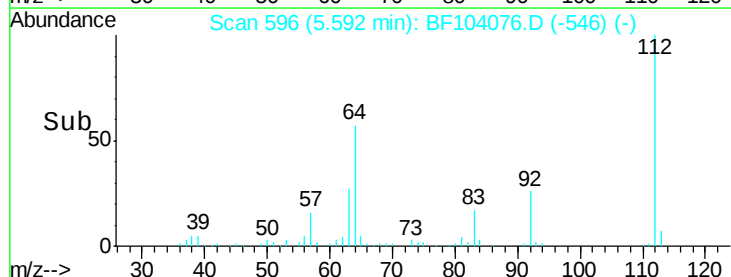
#5

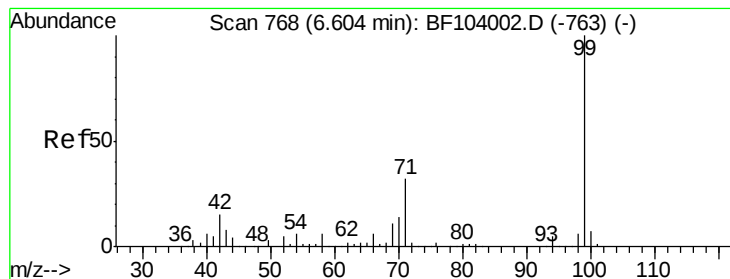
2-Fluorophenol
Concen: 40.517 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion:112 Resp: 273634
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.1 23.7 35.5



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: 44.475 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :

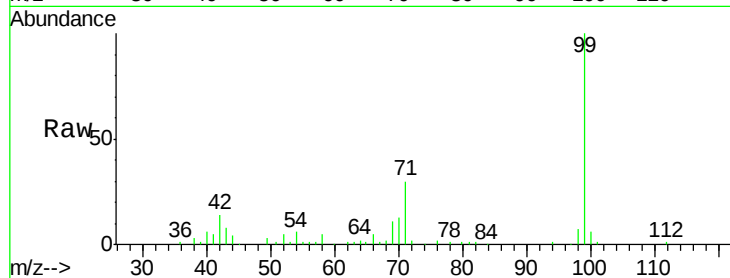
Tot Ion: 99 Resp: 369533

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

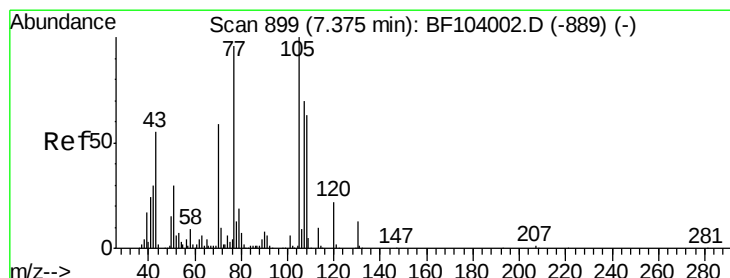
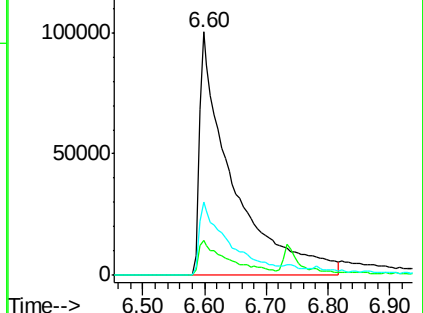
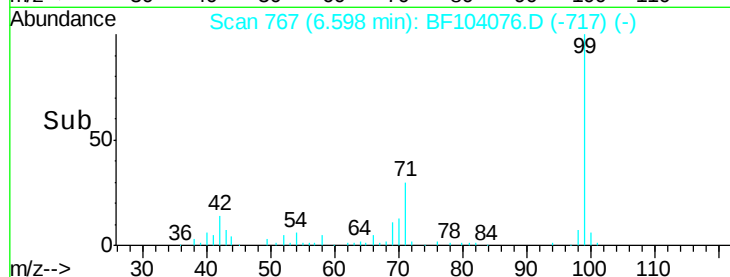
71 30.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.411 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Tgt Ion: 70 Resp: 26683

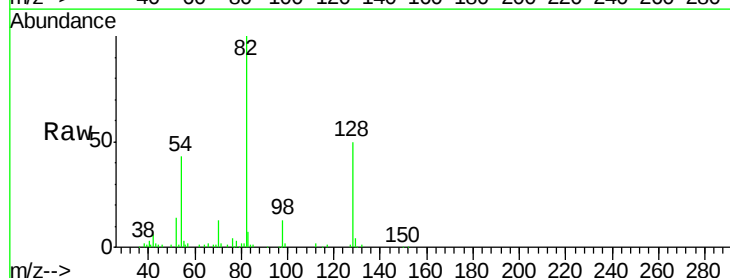
Ion Ratio Lower Upper

70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

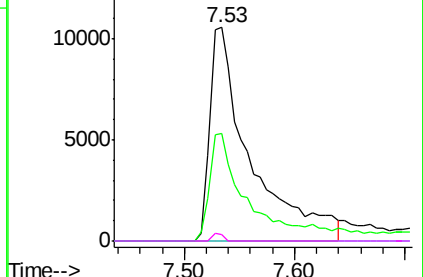
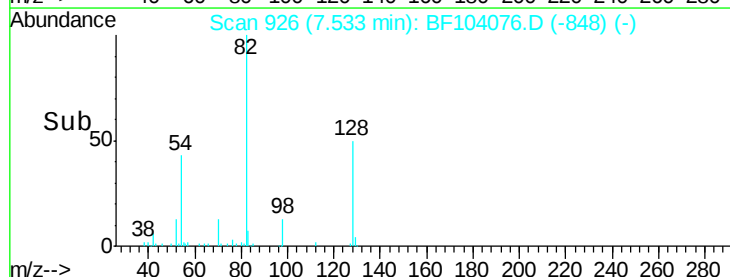


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

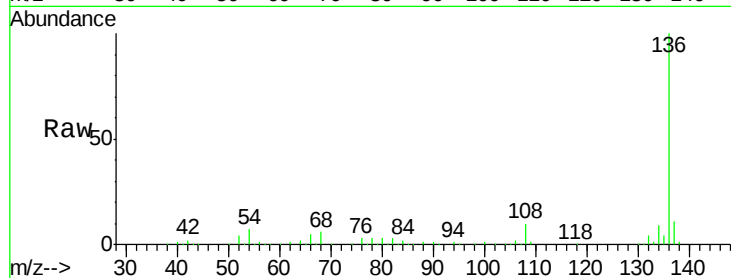




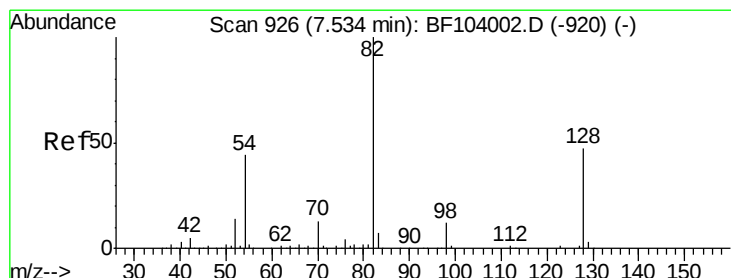
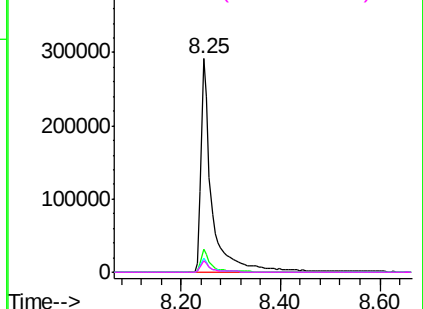
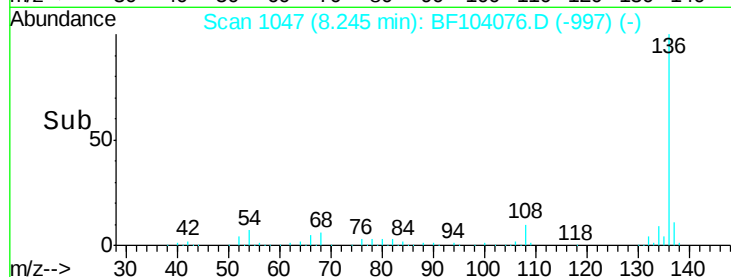
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	444486
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	6.8	6.6 9.8
68	5.7	5.0 7.4

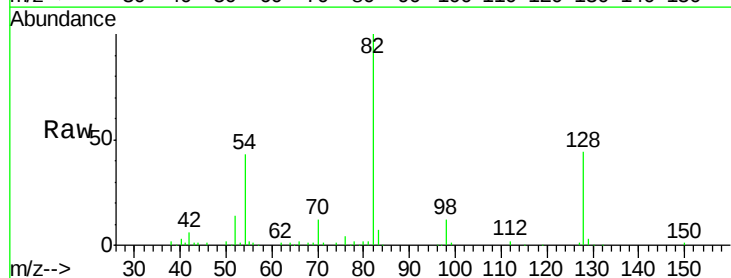


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

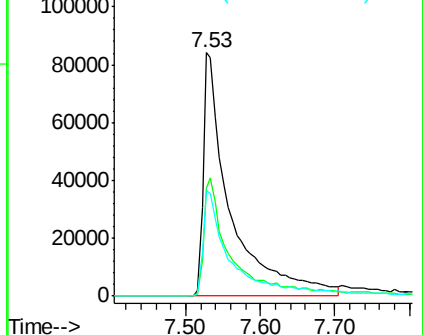
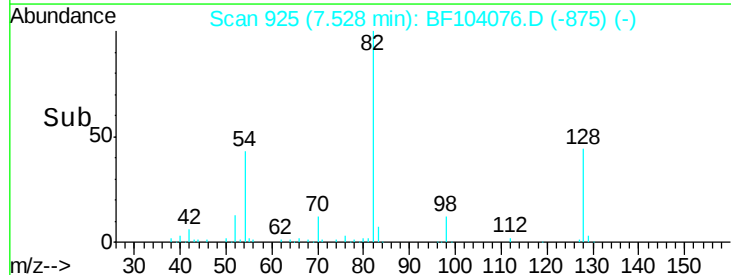


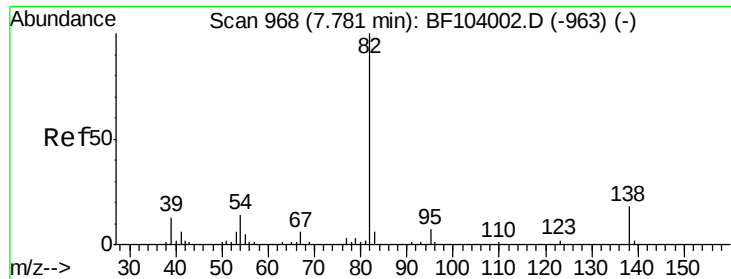
#23
Nitrobenzene-d5
Concen: 29.446 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion: 82	Resp:	214017
Ion Ratio	Lower	Upper
82	100	
128	44.2	36.1 54.1
54	43.2	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.978 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :

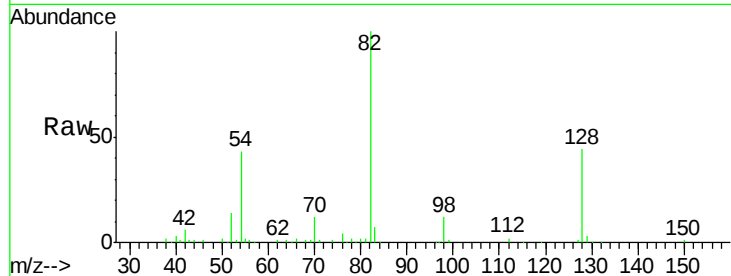
Tot Ion: 82 Resp: 214017

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

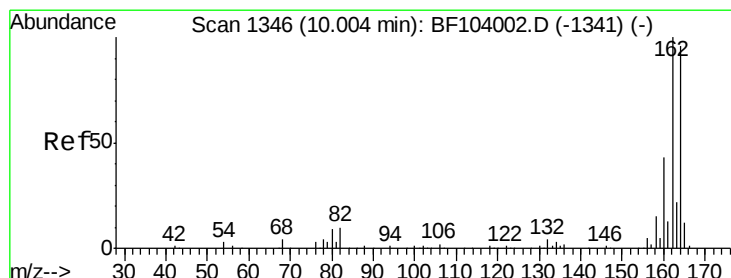
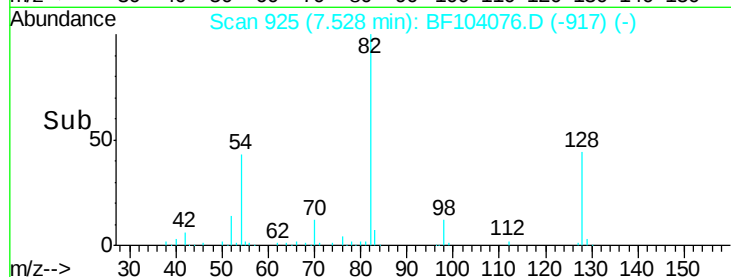
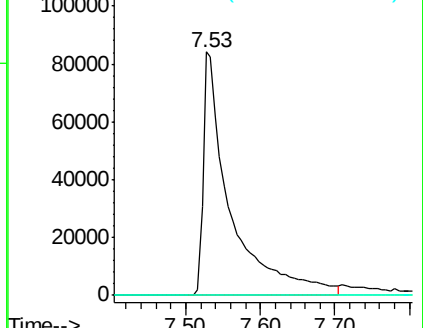
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

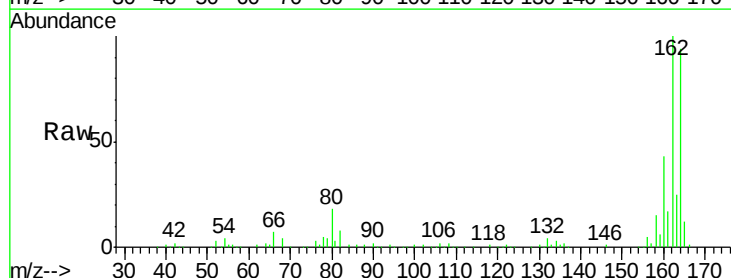
Tgt Ion:164 Resp: 174644

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

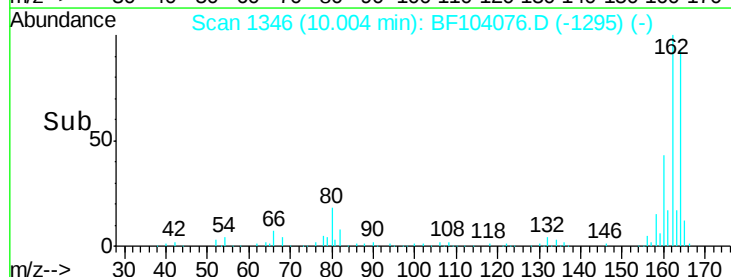
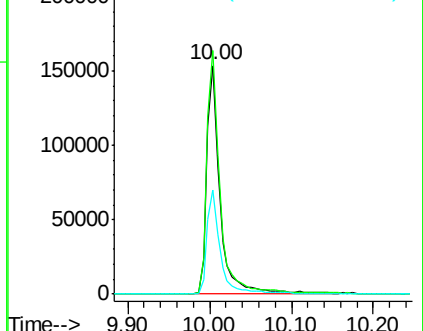
160 45.6 38.3 57.5

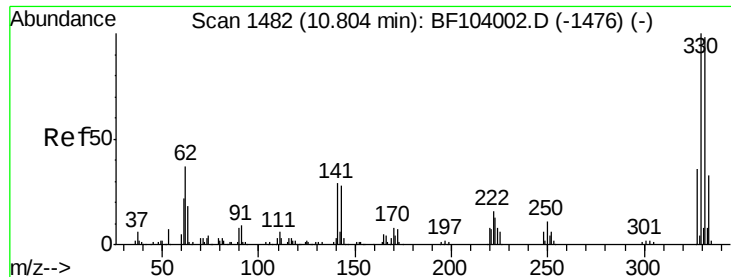


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

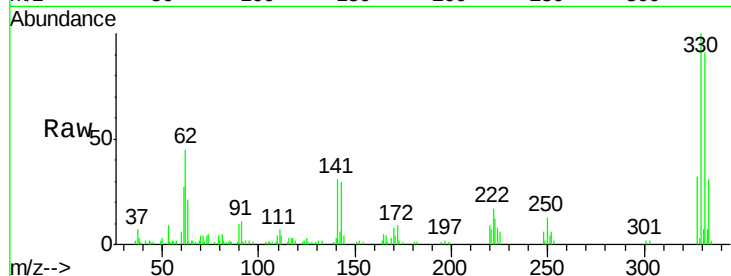




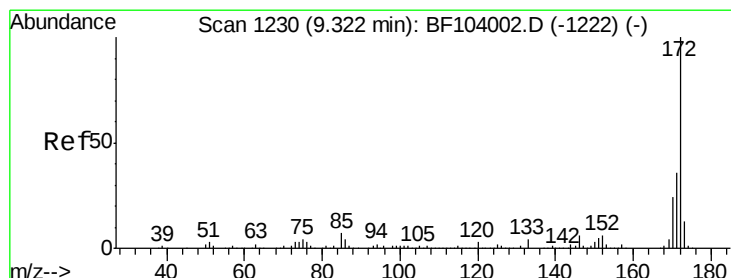
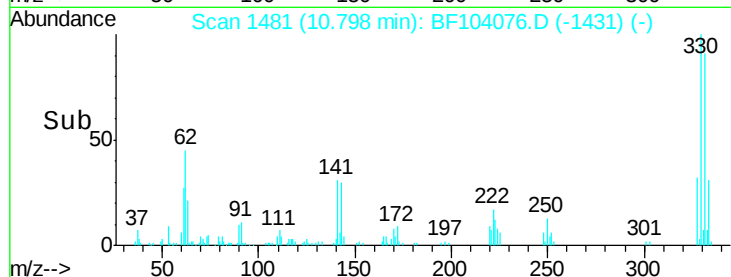
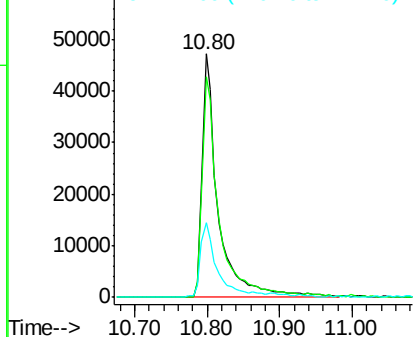
#41
 2,4,6-Tribromophenol
 Concen: 37.332 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 72599
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 32.3 29.9 44.9

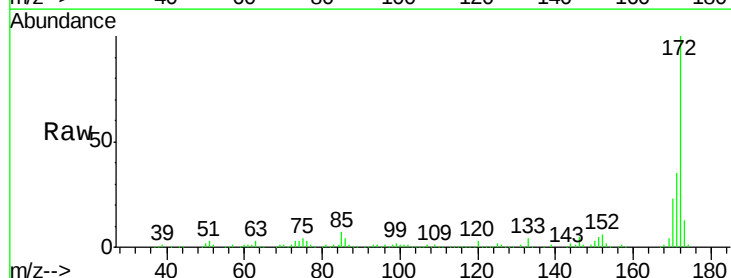


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

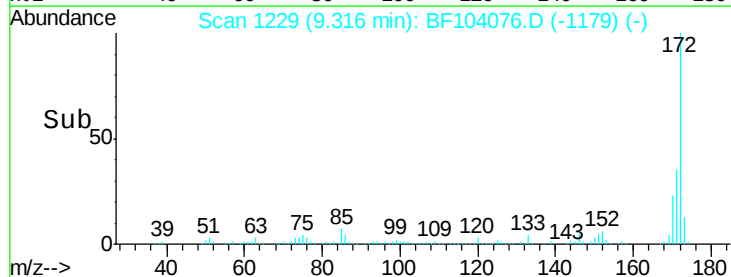
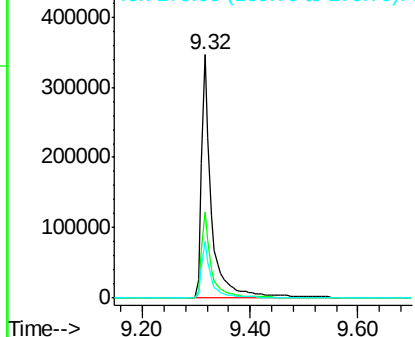


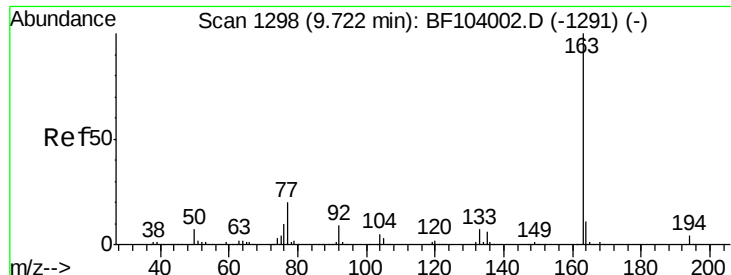
#44
 2-Fluorobiphenyl
 Concen: 40.791 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Tgt Ion:172 Resp: 451762
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.5 19.6 29.4



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

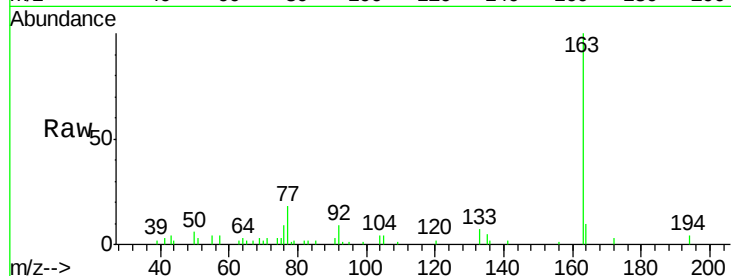




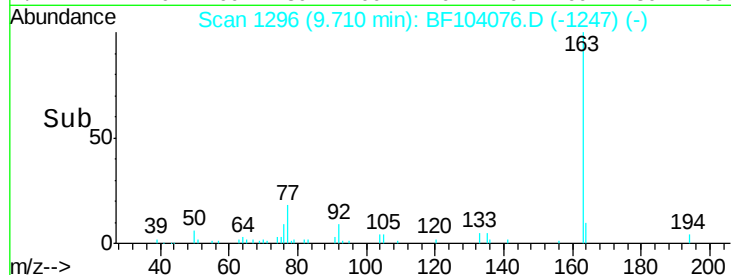
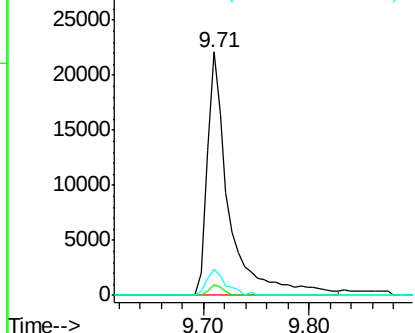
#49
Dimethylphthalate
Concen: 2.289 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 31556
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 10.5 8.2 12.2

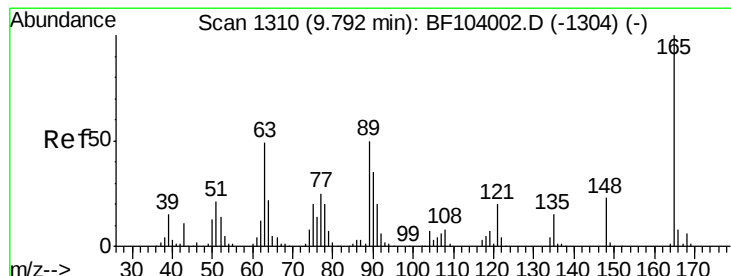


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

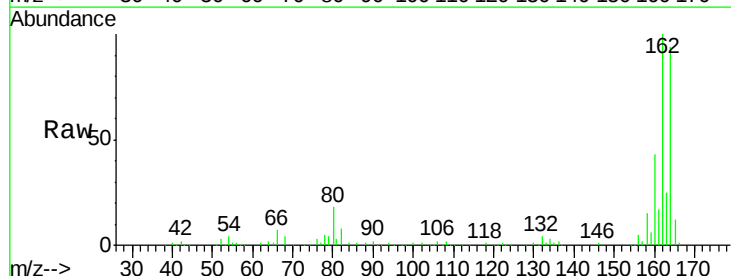
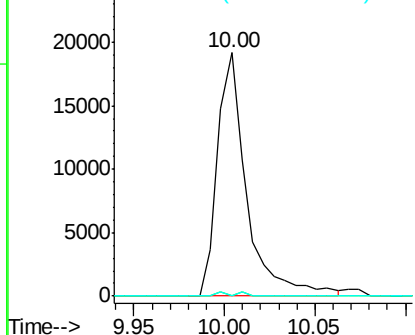


#50
2,6-Dinitrotoluene
Concen: 7.269 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion:165 Resp: 21563
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



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

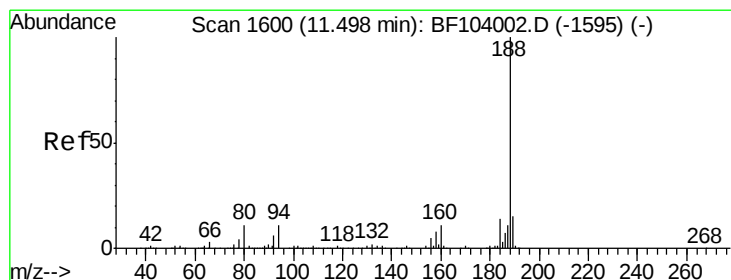
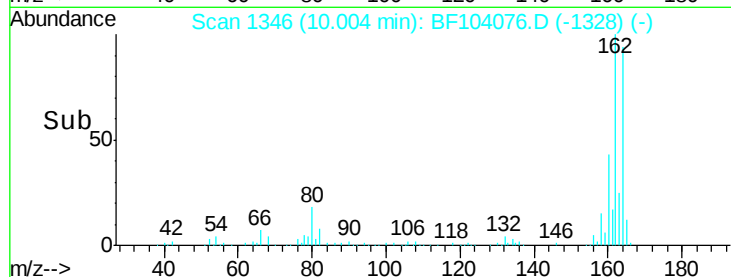
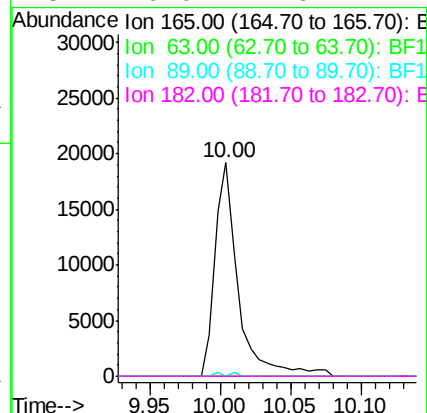
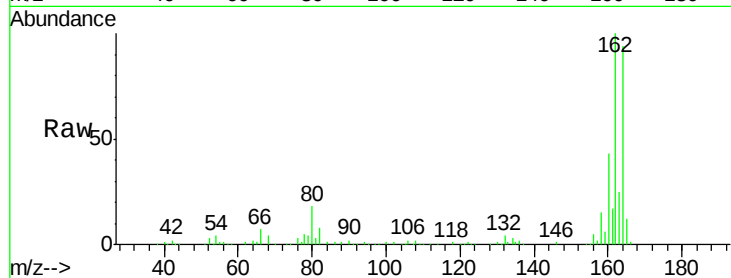




#56
2,4-Dinitrotoluene
Concen: 5.798 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

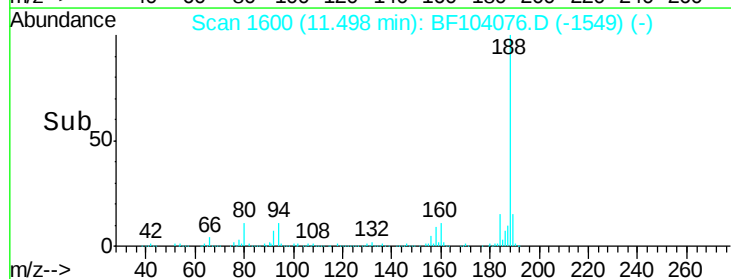
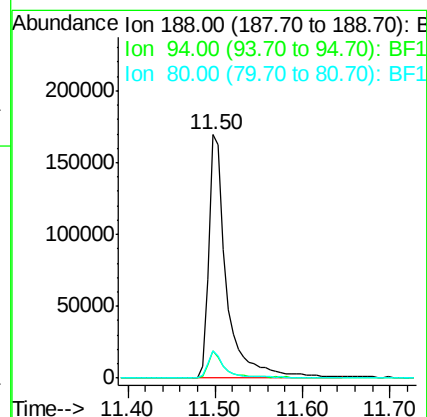
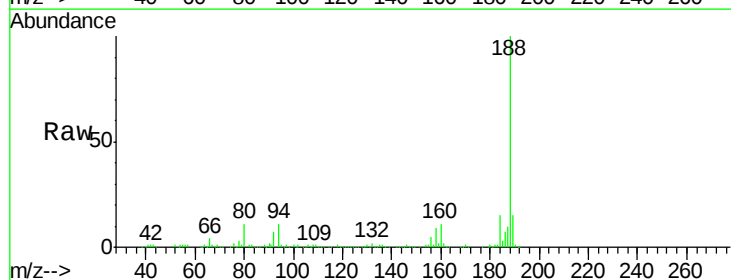
Instrument :
BNA_F
ClientSampleId :

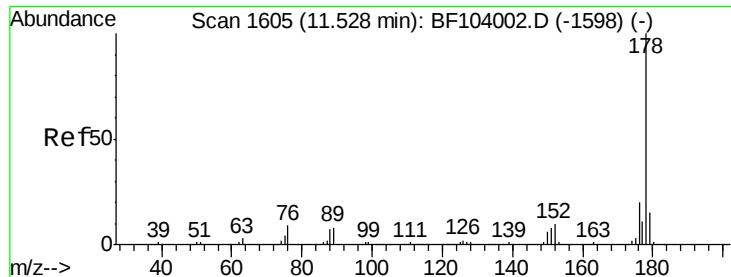
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.3	9.2	13.8





#70

Phenanthrene

Concen: 2.556 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :

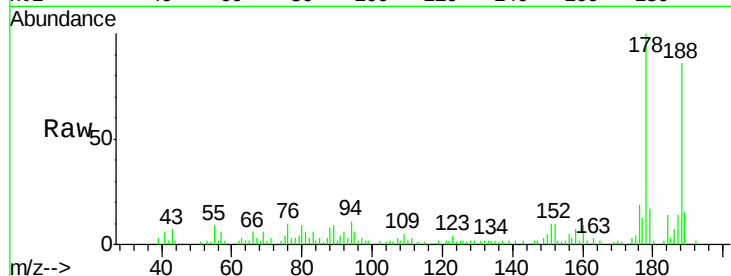
Tot Ion:178 Resp: 33416

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

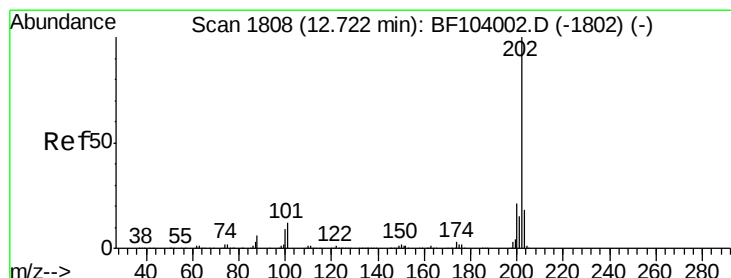
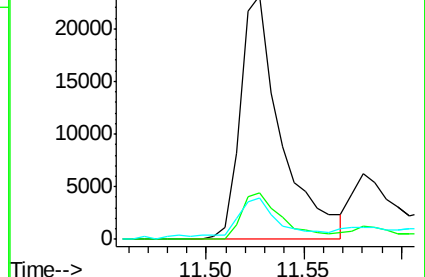
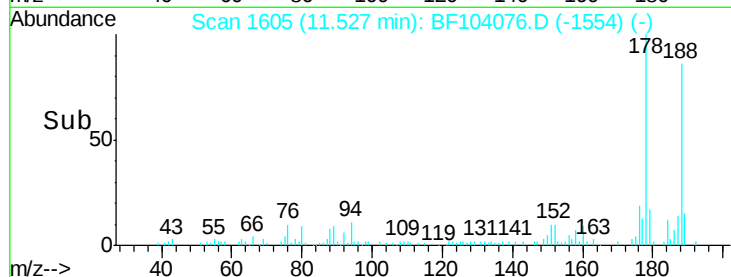
179 16.8 13.0 19.6



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



#74

Fluoranthene

Concen: 3.628 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

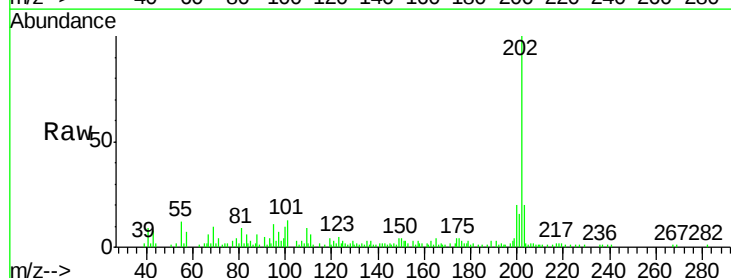
Tgt Ion:202 Resp: 50405

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

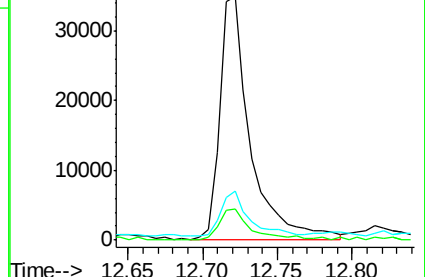
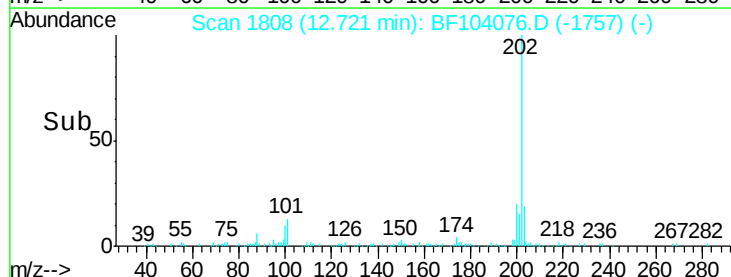
203 20.1 0.0 38.1

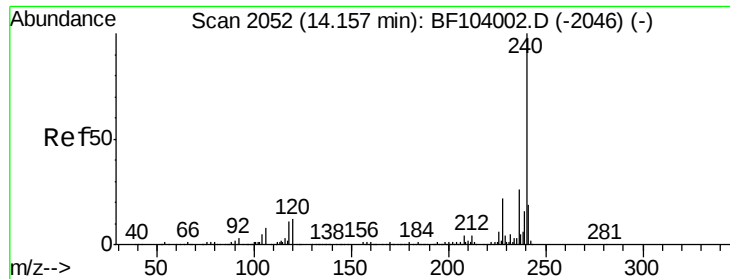


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :

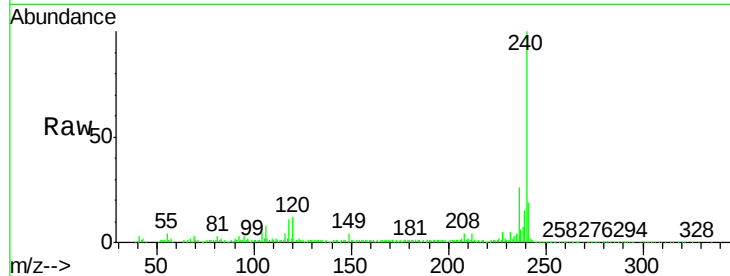
Tot Ion:240 Resp: 245184

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

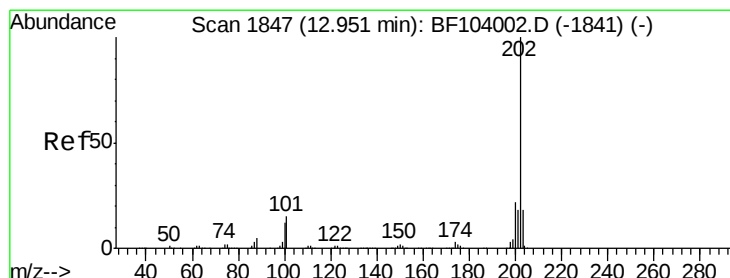
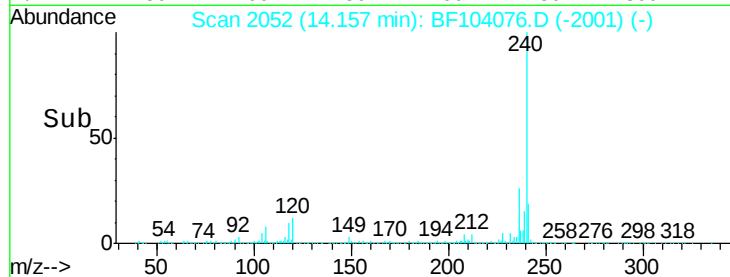
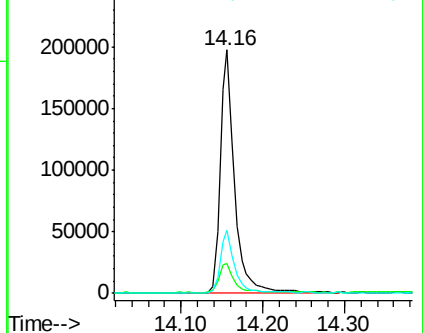
236 26.2 20.7 31.1



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: 2.907 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

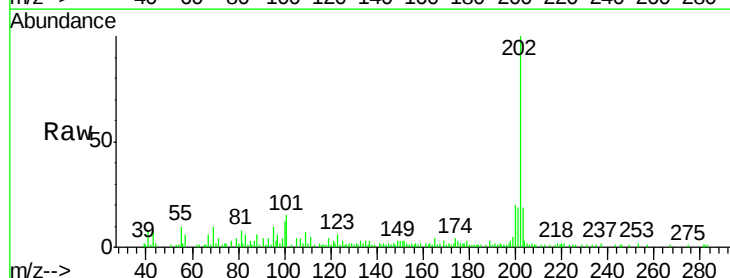
Tgt Ion:202 Resp: 51241

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

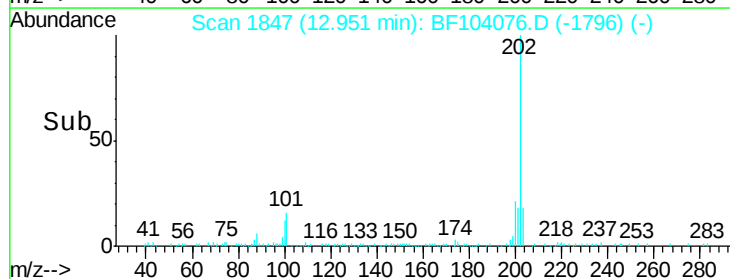
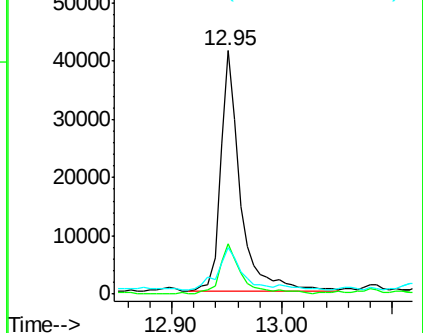
203 19.2 14.3 21.5

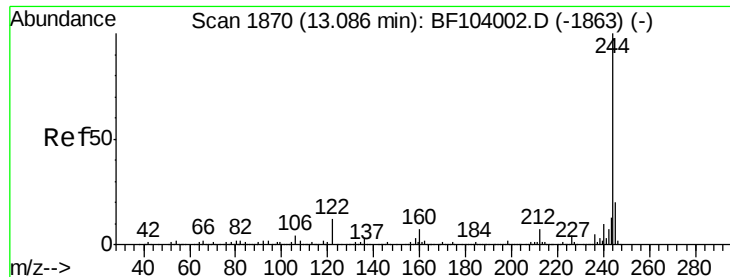


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.322 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :

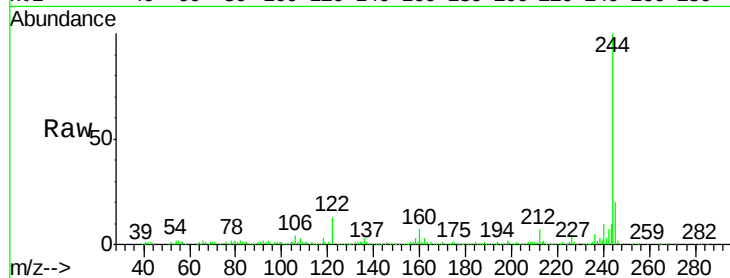
Tot Ion:244 Resp: 311365

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

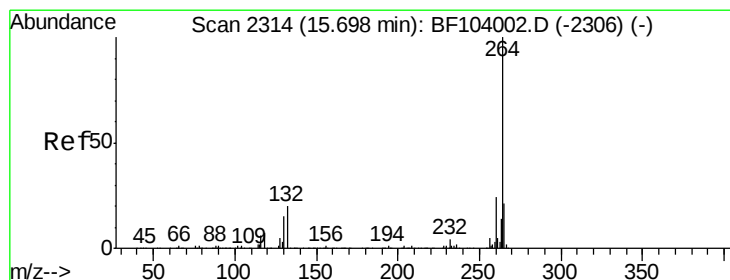
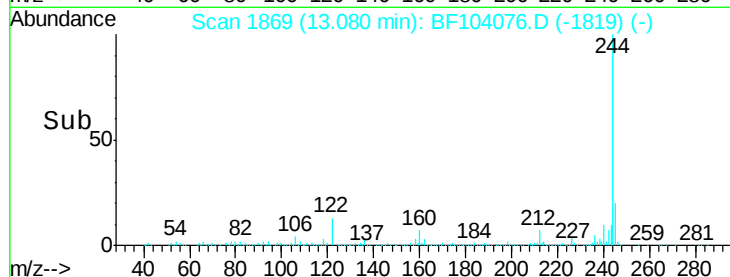
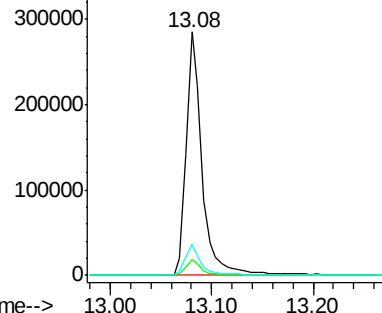
122 13.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

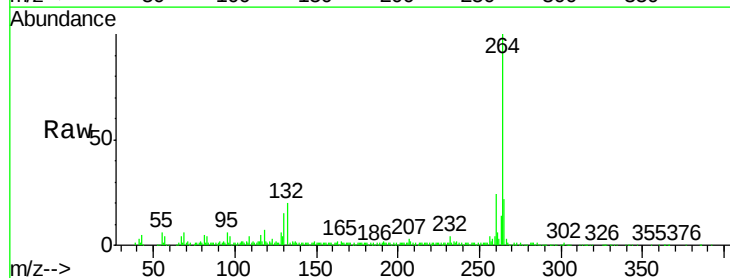
Tgt Ion:264 Resp: 229844

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

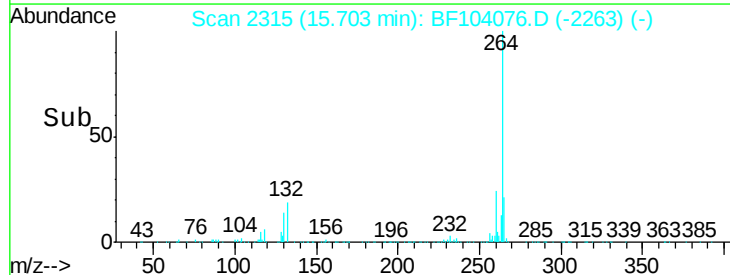
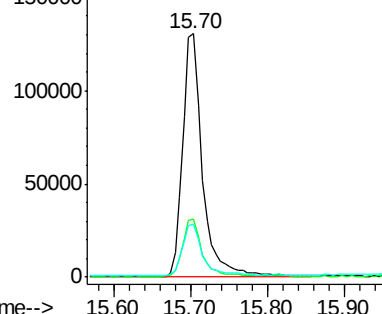
265 21.9 17.5 26.3

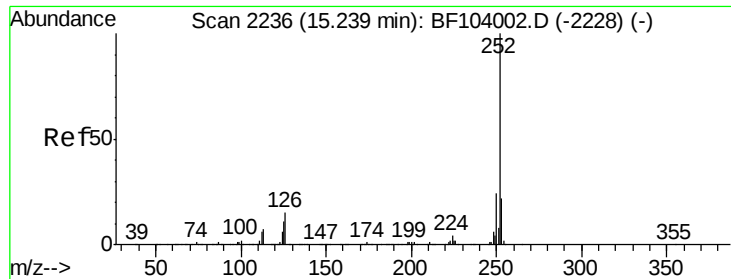


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.626 ng

RT: 15.24 min Scan# 2236

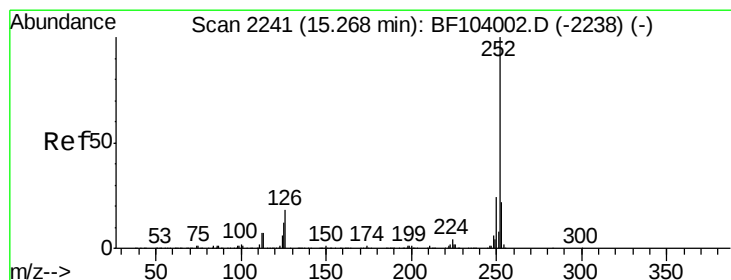
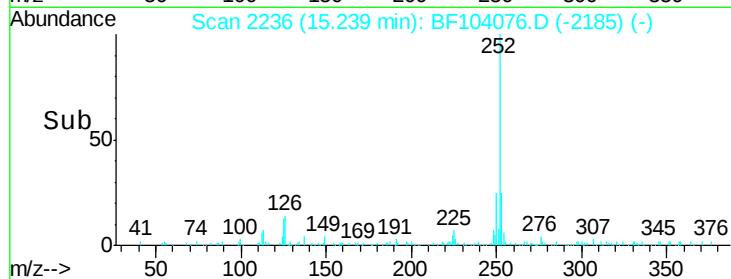
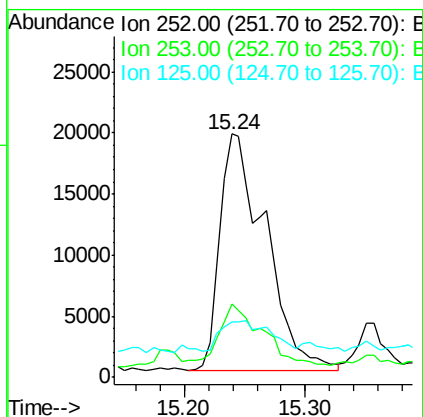
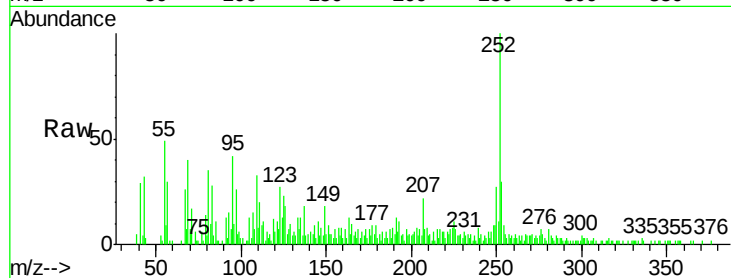
Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.0	25.6#
125	22.8	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 3.849 ng

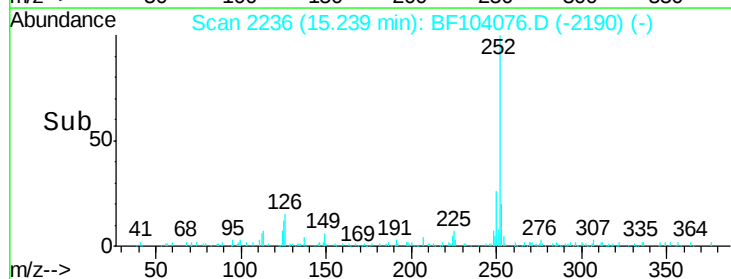
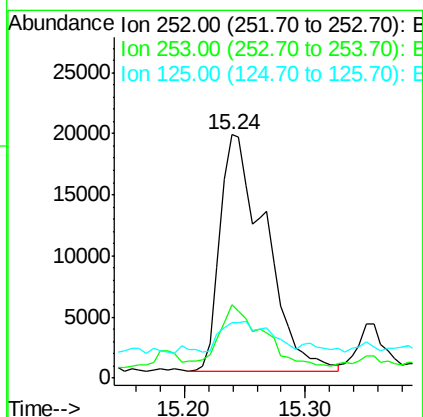
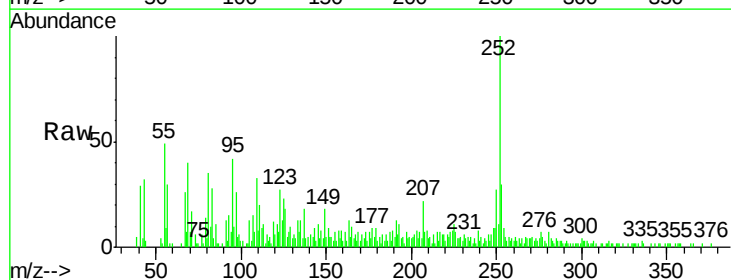
RT: 15.24 min Scan# 2236

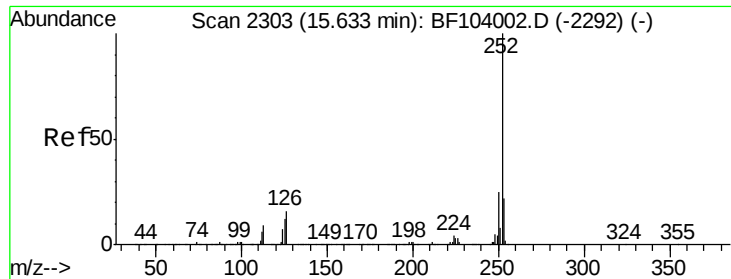
Delta R.T. -0.03 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.9	26.9#
125	22.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.203 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

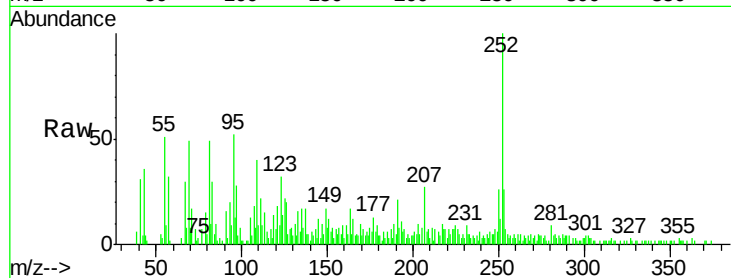
Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	28560
Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	21.7	9.8	14.6#

