

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036240.D
 Acq On : 9 Aug 2018 19:35
 Operator : JU/SJ
 Sample : J4379-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 10 04:25:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30450	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	113335	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	76525	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	191091	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	206568	20.00	ng	-0.02
86) Perylene-d12	24.82	264	202590	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	111389	60.73	ng	0.00
7) Phenol-d6	7.18	99	99419	36.33	ng	-0.01
23) Nitrobenzene-d5	9.17	82	242460	89.37	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	158111	156.76	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	525193	91.95	ng	-0.02
78) Terphenyl-d14	19.99	244	878443	93.74	ng	-0.01

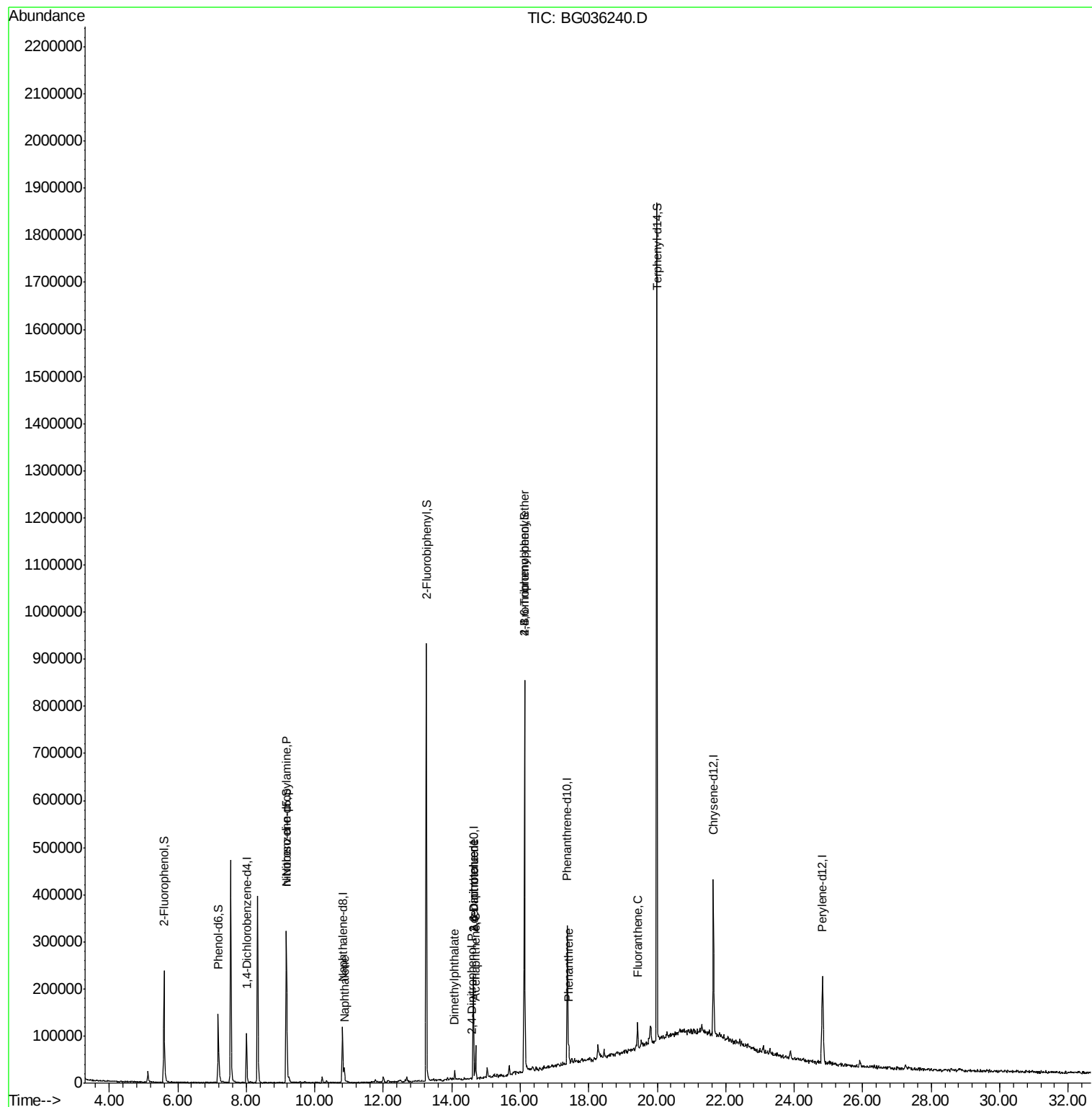
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	33534	14.553	ng	# 65
31) Naphthalene	10.87	128	24743	4.191	ng	# 94
49) Dimethylphthalate	14.08	163	14059	2.097	ng	# 96
50) 2,6-Dinitrotoluene	14.63	165	10762	7.882	ng	# 20
51) Acenaphthene	14.70	154	26120	5.424	ng	# 97
53) 2,4-Dinitrophenol	14.58	184	55	6.654	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	10762	5.494	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	12937	5.835	ng	# 1
70) Phenanthrene	17.42	178	19733	2.070	ng	# 92
74) Fluoranthene	19.43	202	35994	2.802	ng	# 97

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

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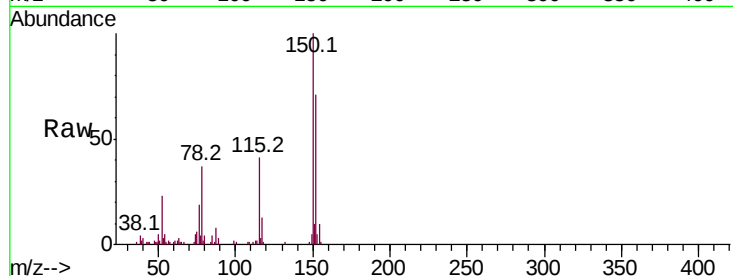


#1

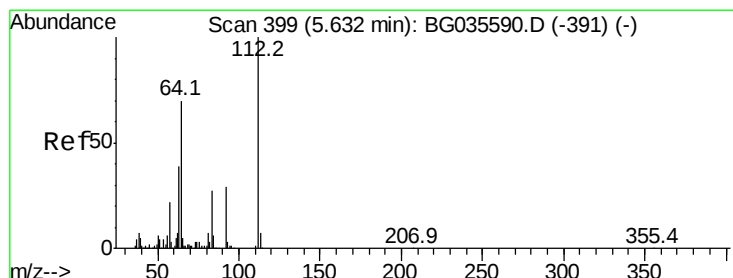
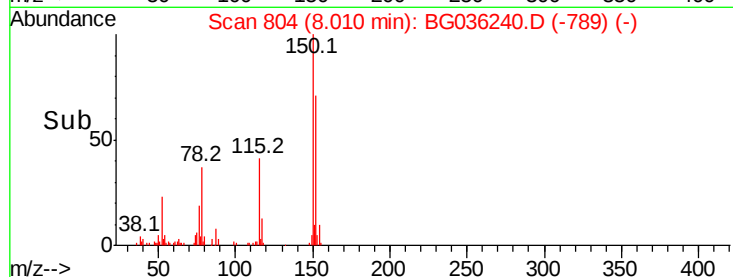
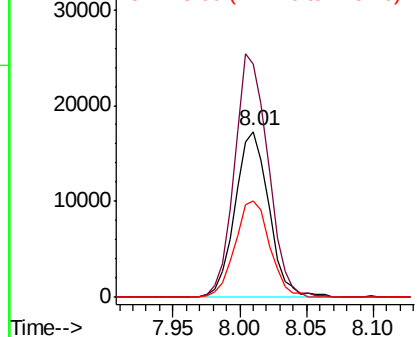
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.4	126.6	189.8
115	58.0	53.0	79.4



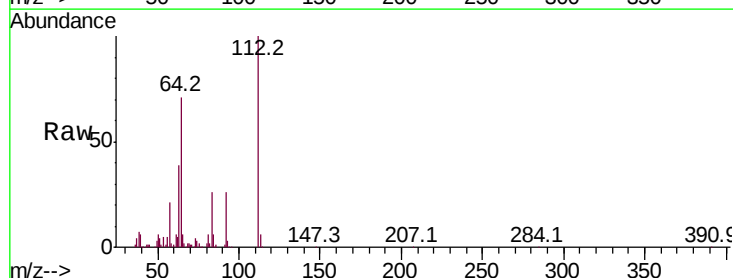
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



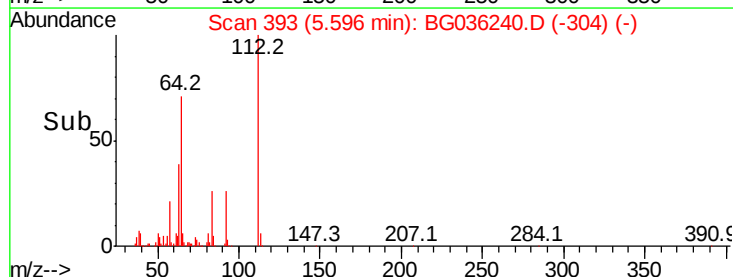
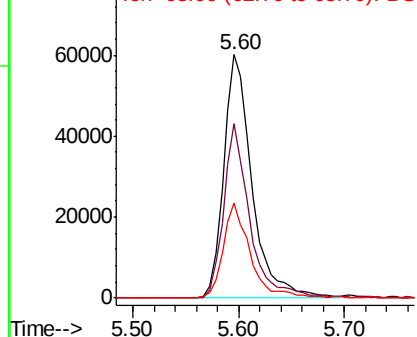
#5

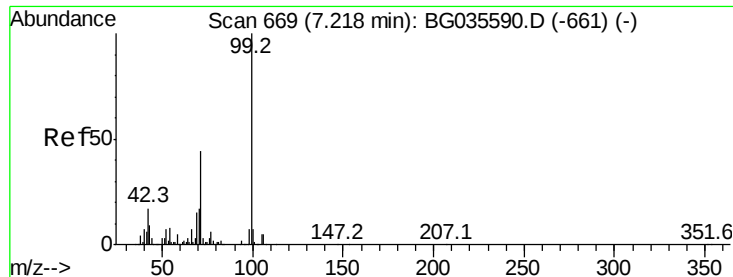
2-Fluorophenol
Concen: 60.733 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	56.3	84.5
63	39.3	30.1	45.1



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





#7

Phenol-d6

Concen: 36.332 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

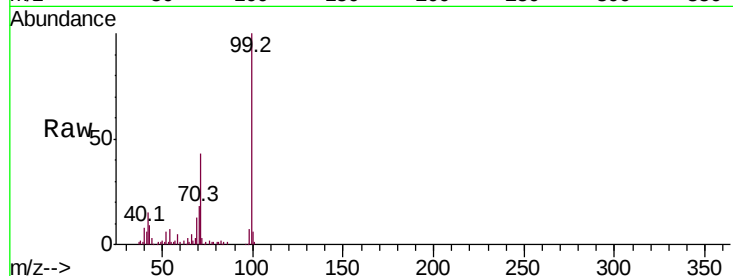
Tot Ion: 99 Resp: 99419

Ion Ratio Lower Upper

99 100

42 14.7 14.1 21.1

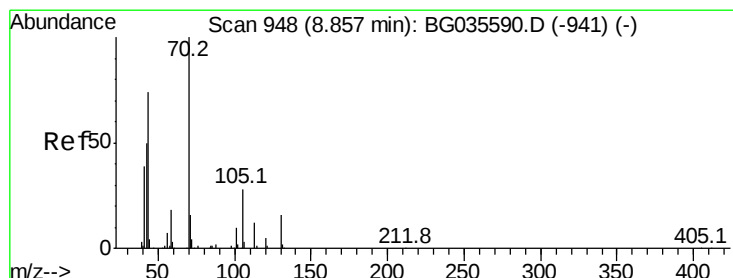
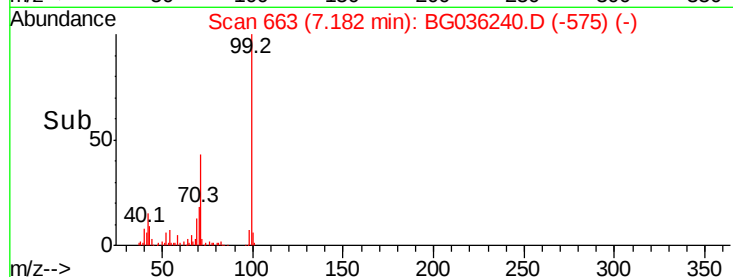
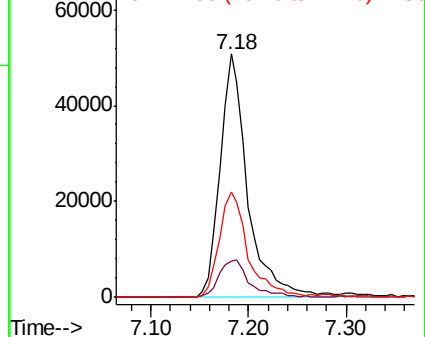
71 43.2 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.553 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.34 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Tgt Ion: 70 Resp: 33534

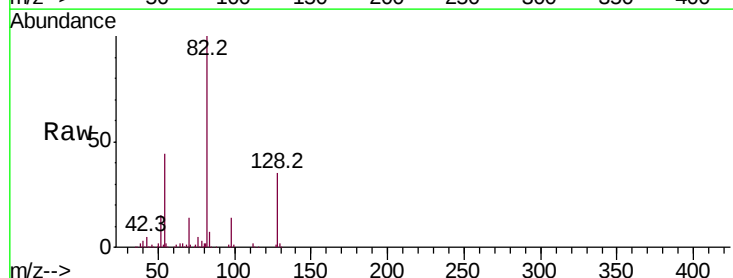
Ion Ratio Lower Upper

70 100

42 33.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

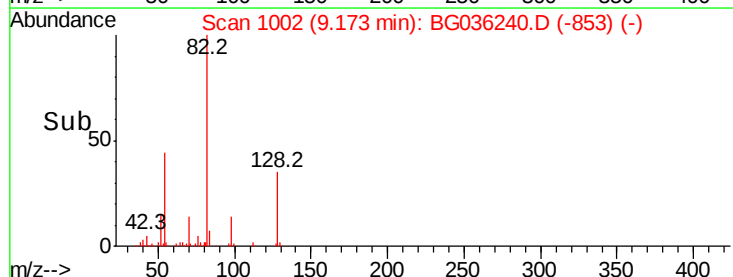
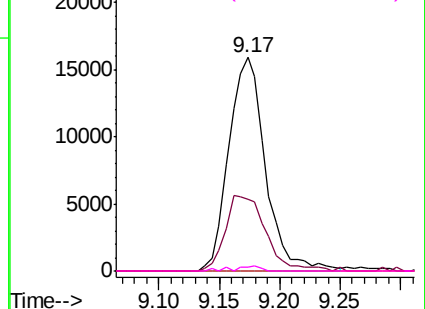


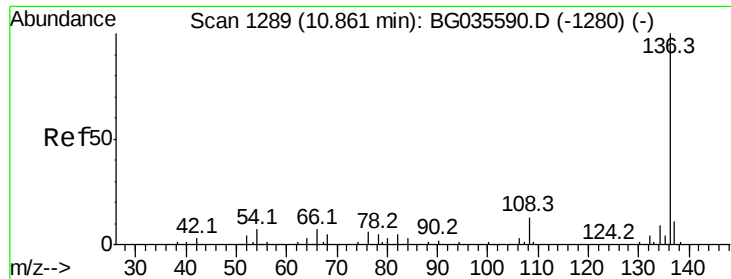
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

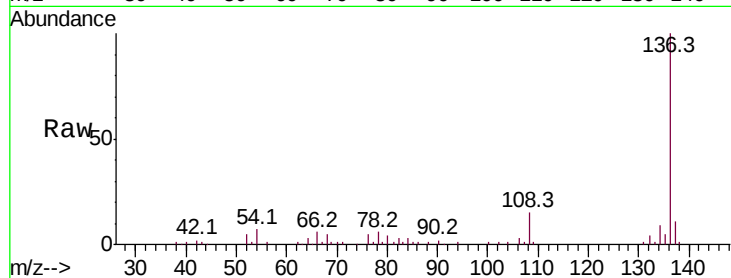




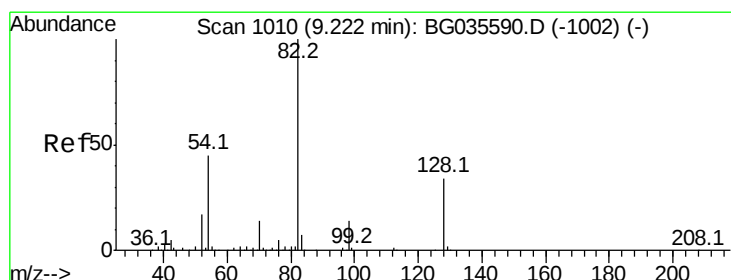
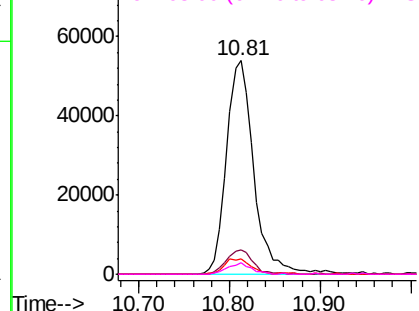
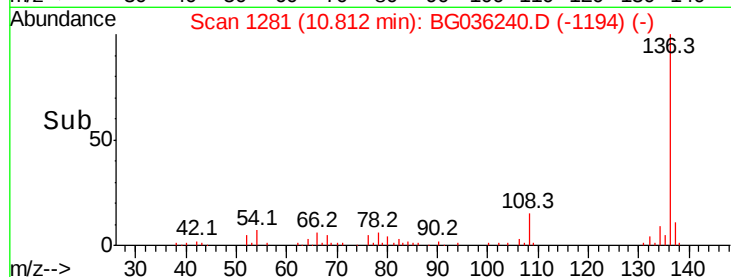
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	113335
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.0	10.3	15.5
68	5.3	4.5	6.7

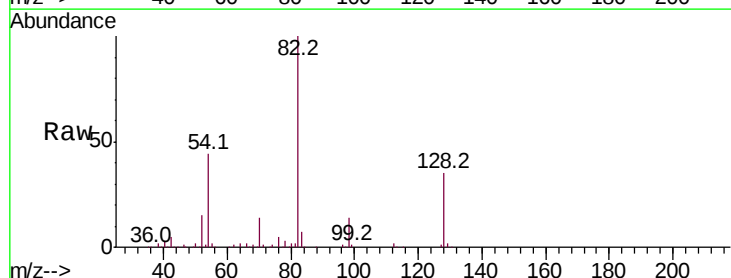


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

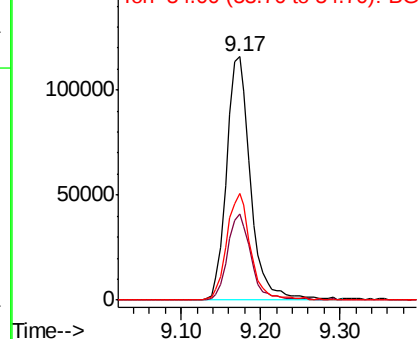
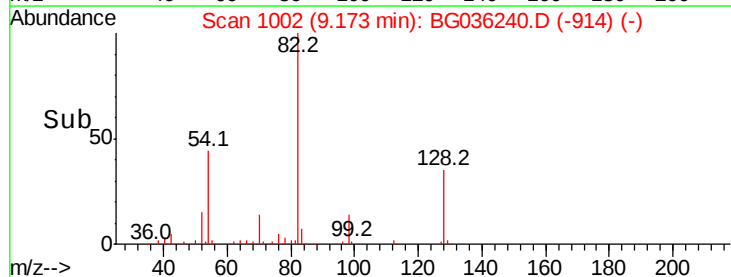


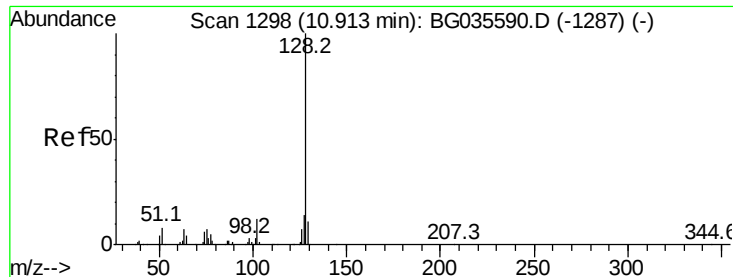
#23
Nitrobenzene-d5
Concen: 89.370 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Tgt Ion:	82	Resp:	242460
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.7	44.5
54	44.0	43.1	64.7



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

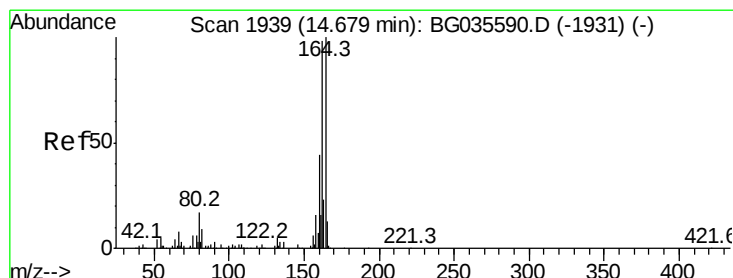
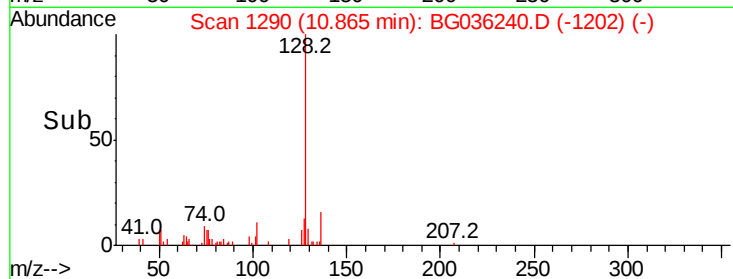
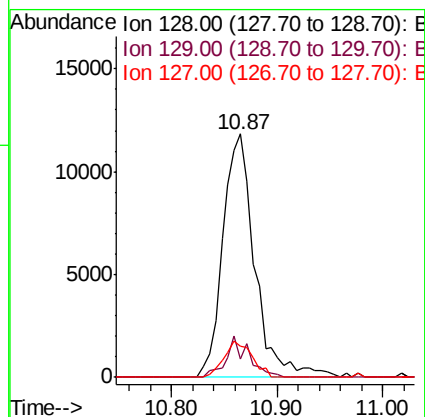
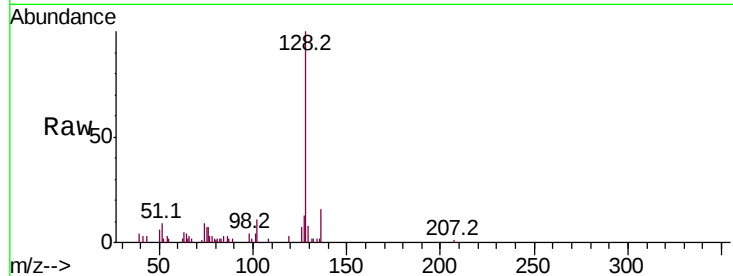




#31
Naphthalene
Concen: 4.191 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

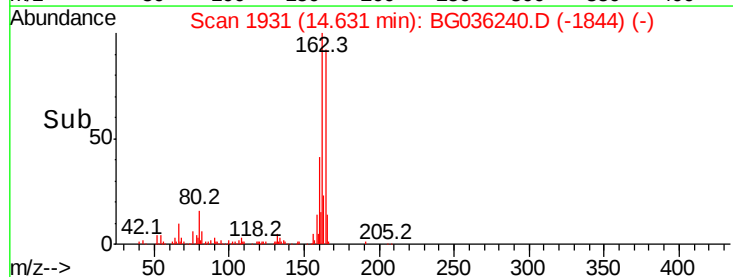
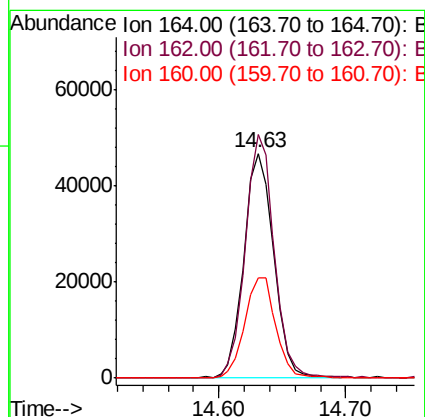
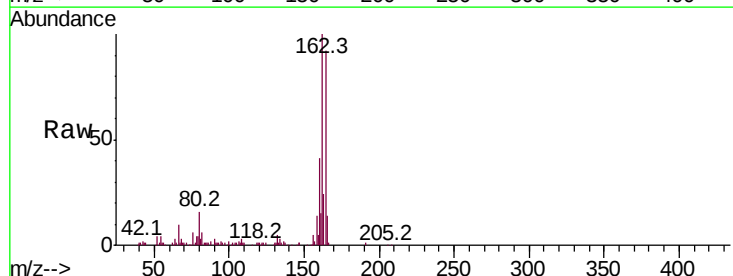
Instrument :
BNA_G
ClientSampleId :

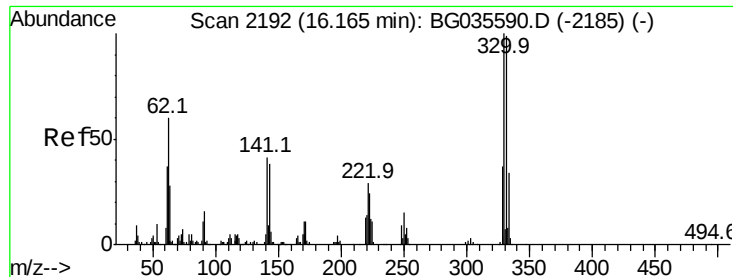
Tot Ion:128 Resp: 24743
Ion Ratio Lower Upper
128 100
129 7.5 8.6 12.8#
127 12.8 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.02 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Tgt Ion:164 Resp: 76525
Ion Ratio Lower Upper
164 100
162 108.2 78.8 118.2
160 44.7 35.4 53.0

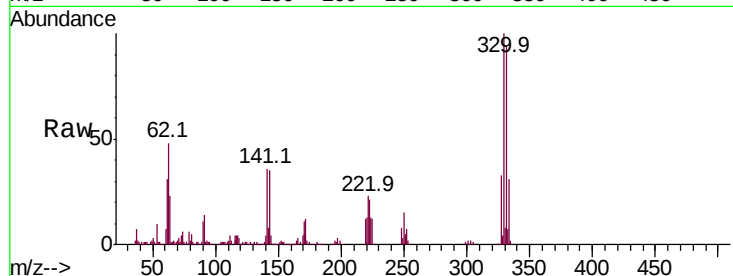




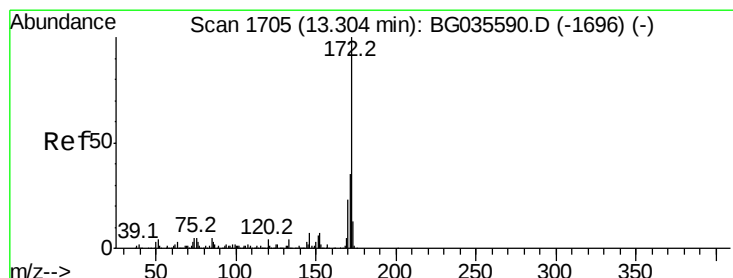
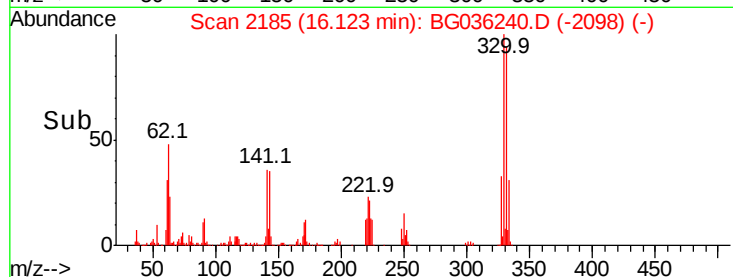
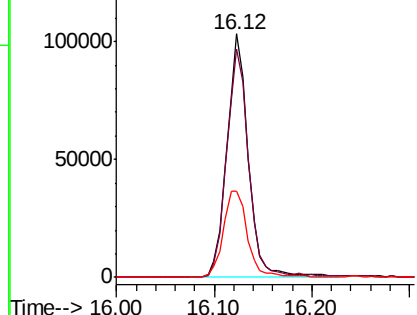
#41
 2,4,6-Tribromophenol
 Concen: 156.755 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	40.0	25.2	37.8#

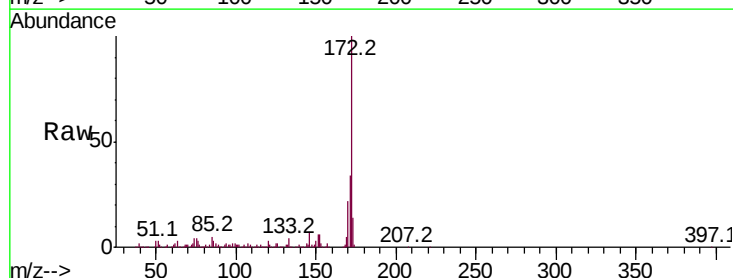


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

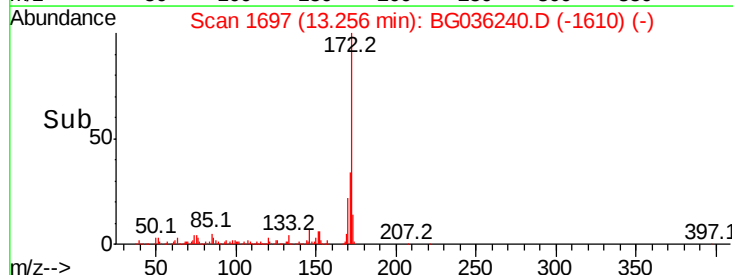
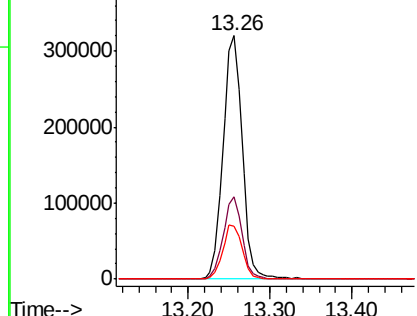


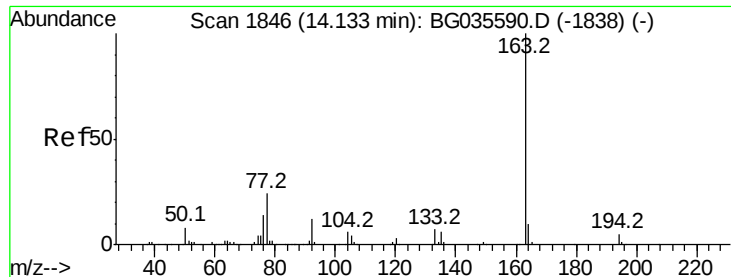
#44
 2-Fluorobiphenyl
 Concen: 91.947 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	30.0	45.0
170	21.9	19.5	29.3



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: 2.097 ng

RT: 14.08 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

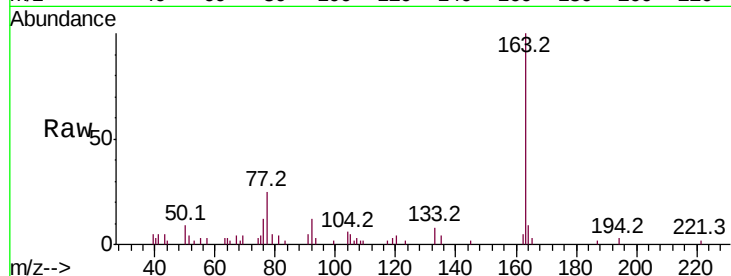
Tot Ion:163 Resp: 14059

Ion Ratio Lower Upper

163 100

194 3.3 3.4 5.2#

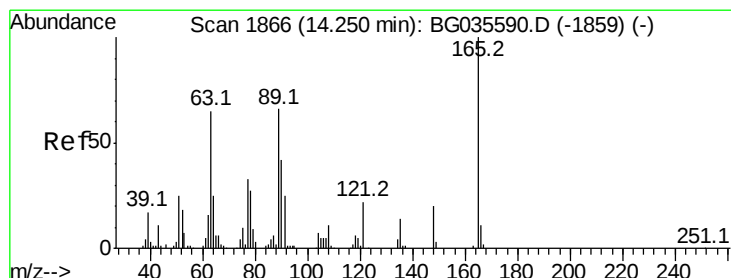
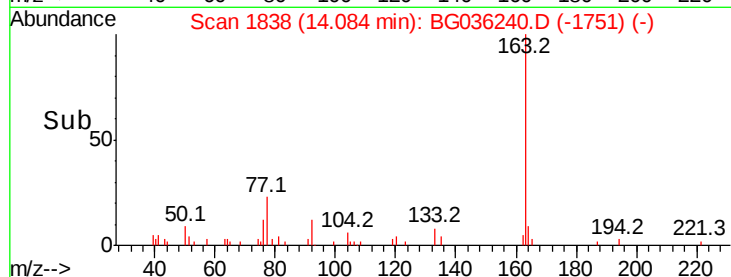
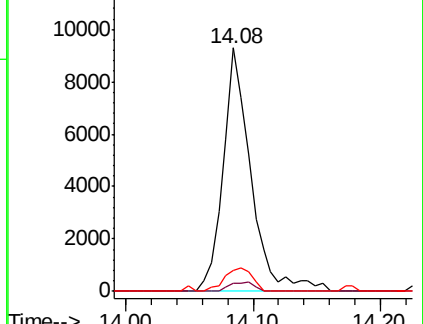
164 8.5 8.2 12.4



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: 7.882 ng

RT: 14.63 min Scan# 1931

Delta R.T. 0.40 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

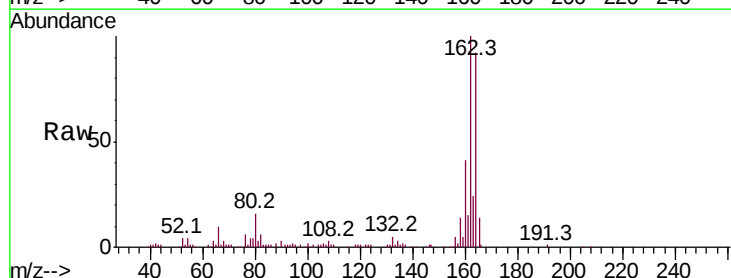
Tgt Ion:165 Resp: 10762

Ion Ratio Lower Upper

165 100

63 2.9 52.7 79.1#

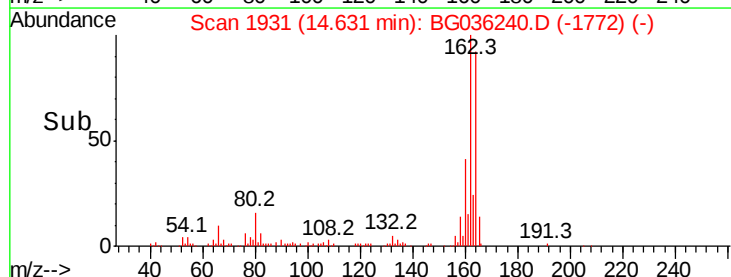
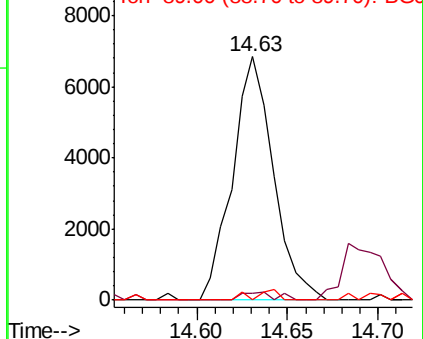
89 0.0 49.2 73.8#

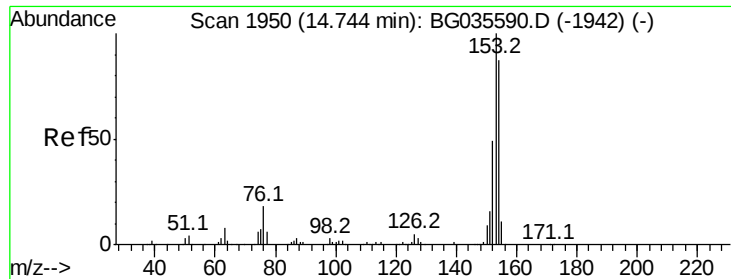


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 5.424 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

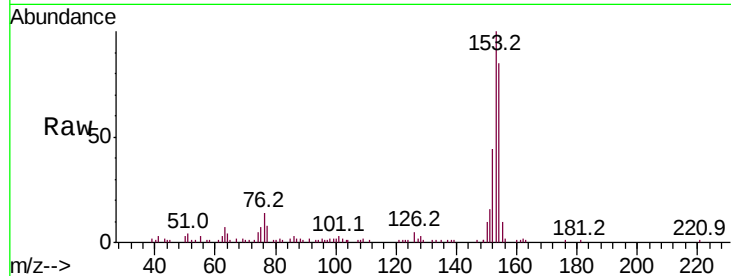
Tot Ion:154 Resp: 26120

Ion Ratio Lower Upper

154 100

153 118.1 90.4 135.6

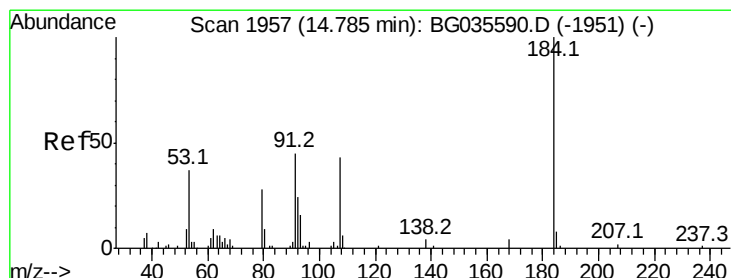
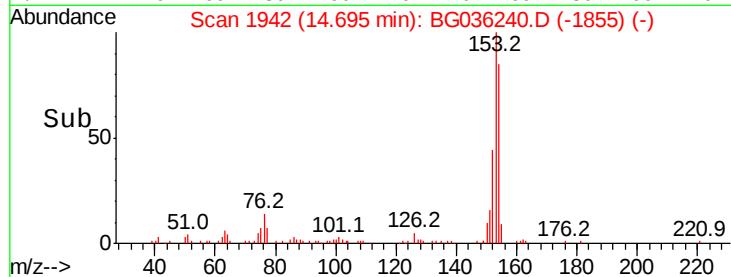
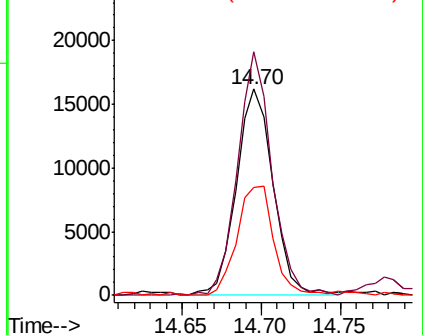
152 52.4 41.6 62.4



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



#53

2,4-Dinitrophenol

Concen: 6.654 ng

RT: 14.58 min Scan# 1922

Delta R.T. -0.18 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

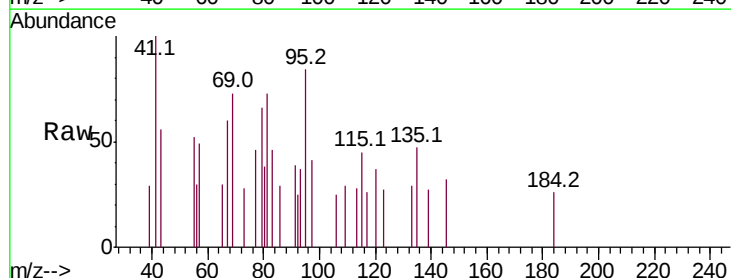
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

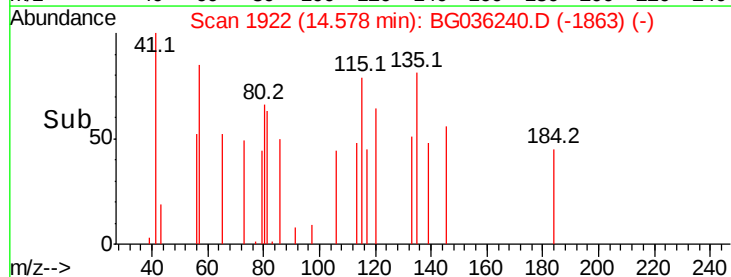
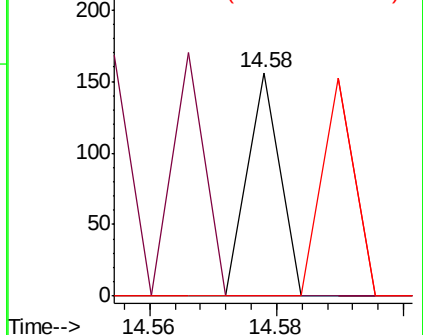
154 0.0 101.8 152.8#

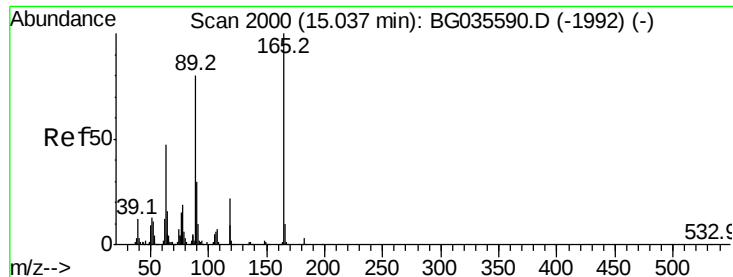


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

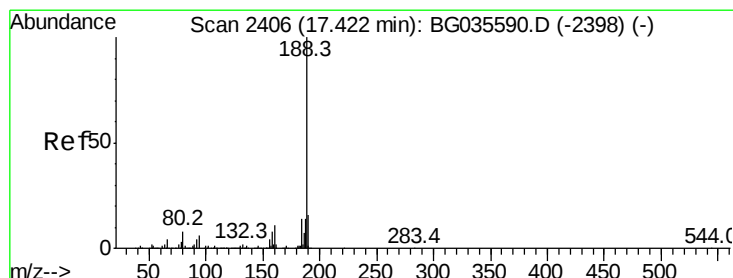
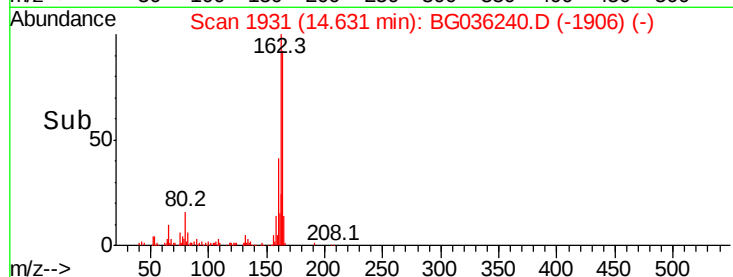
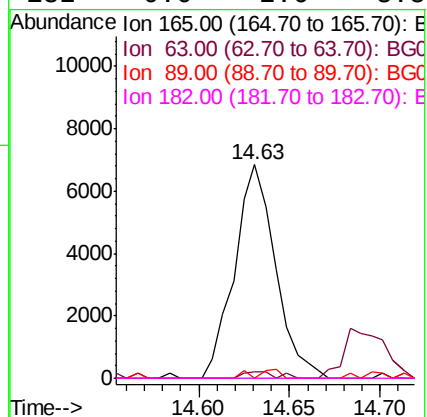
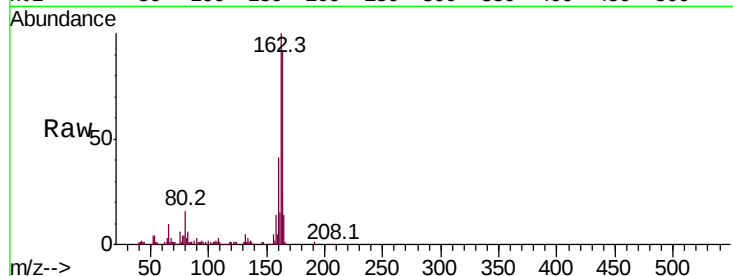




#56
2,4-Dinitrotoluene
Concen: 5.494 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

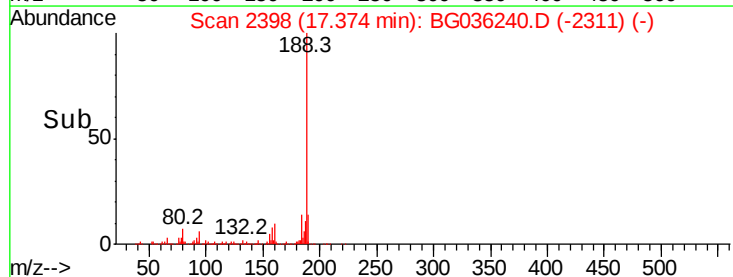
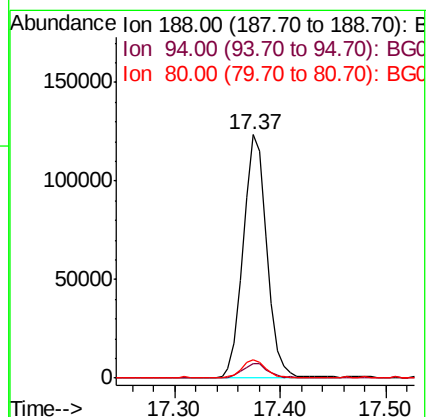
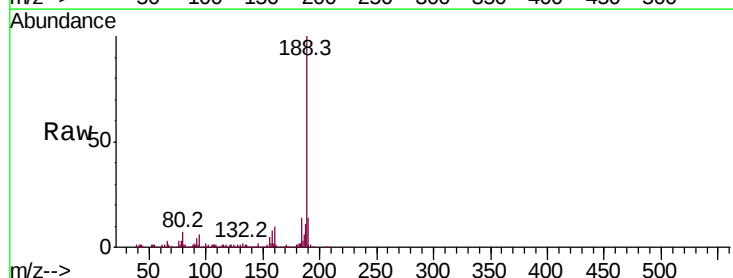
Instrument :
BNA_G
ClientSampleId :

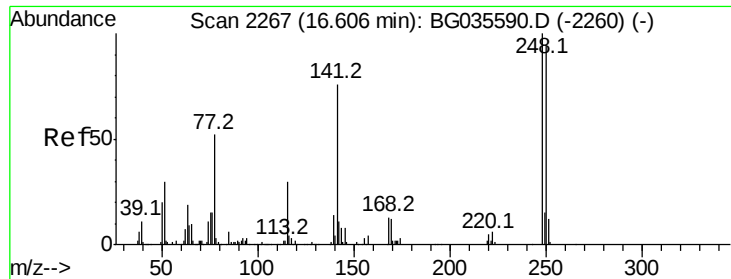
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036240.D
Acq: 9 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	7.3	7.7	11.5#

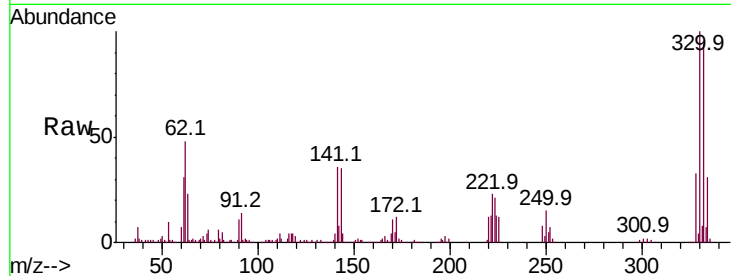




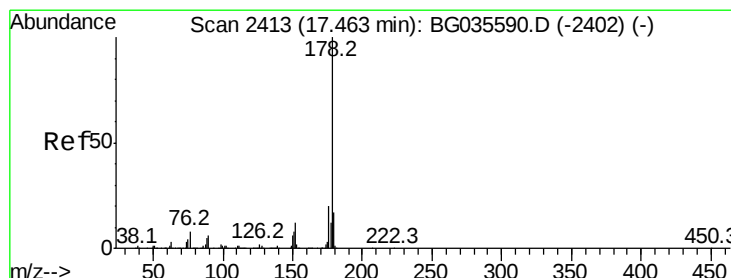
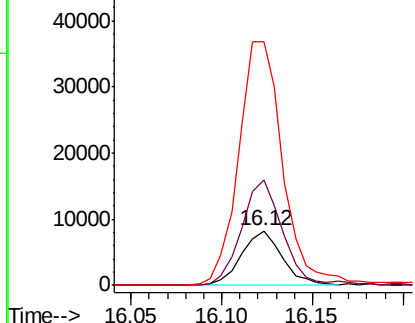
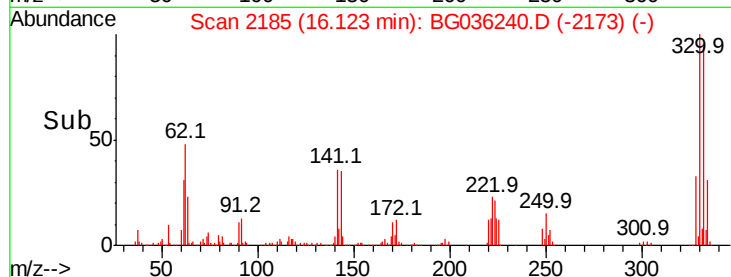
#66
 4-Bromophenyl-phenylether
 Concen: 5.835 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.46 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	192.2	77.1	115.7#
141	444.4	50.8	76.2#

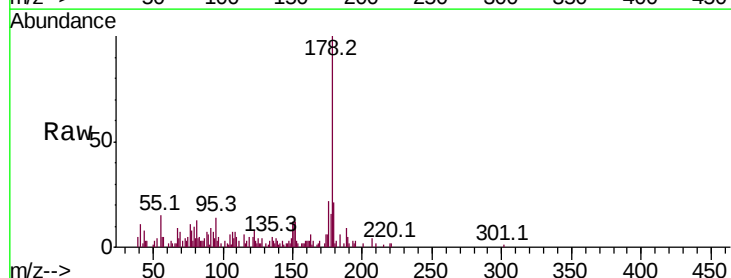


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

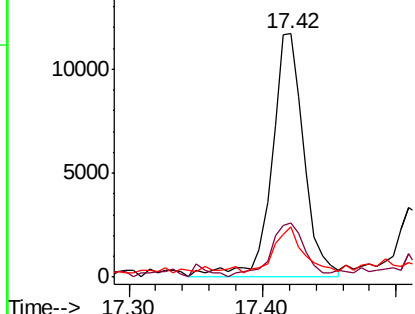
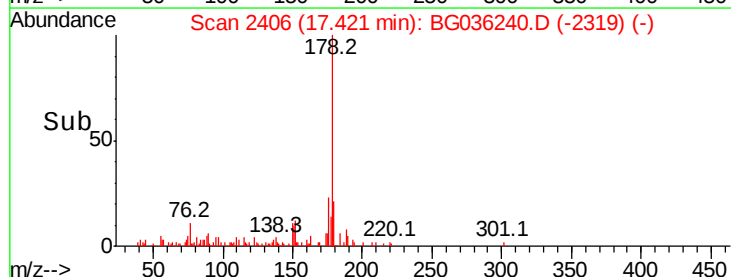


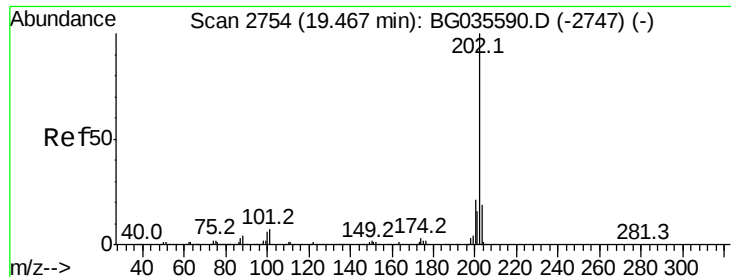
#70
 Phenanthrene
 Concen: 2.070 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.7	23.5
179	20.7	12.5	18.7#



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: 2.802 ng

RT: 19.43 min Scan# 2748

Delta R.T. -0.01 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

Instrument :

BNA_G

ClientSampleId :

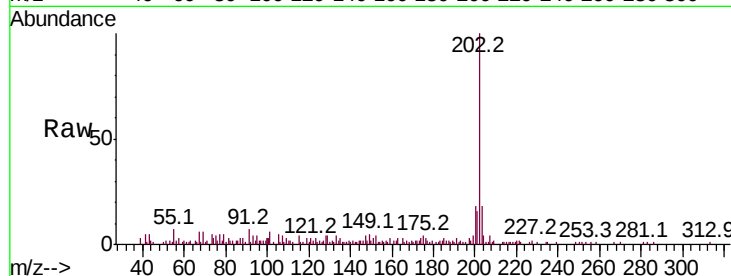
Tot Ion:202 Resp: 35994

Ion Ratio Lower Upper

202 100

101 5.9 0.0 28.9

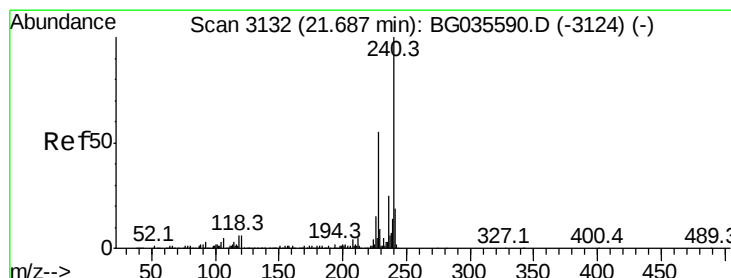
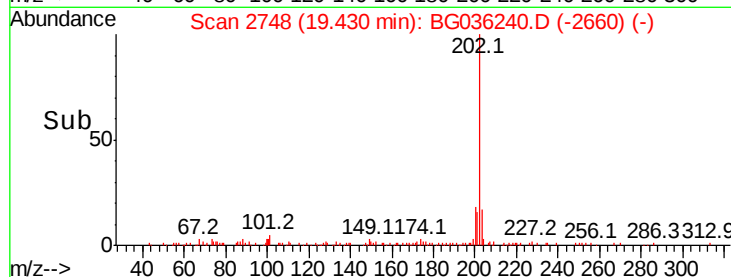
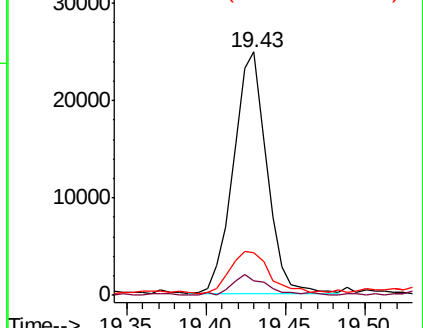
203 17.7 0.0 37.5



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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036240.D

Acq: 9 Aug 2018 19:35

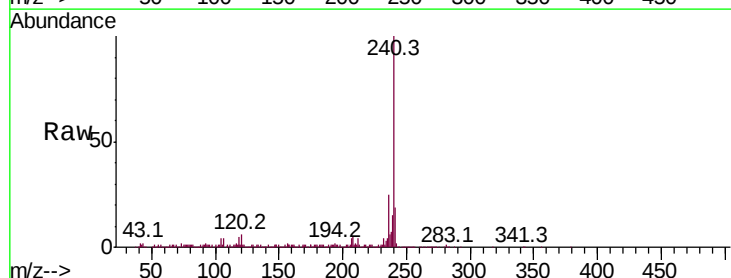
Tgt Ion:240 Resp: 206568

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

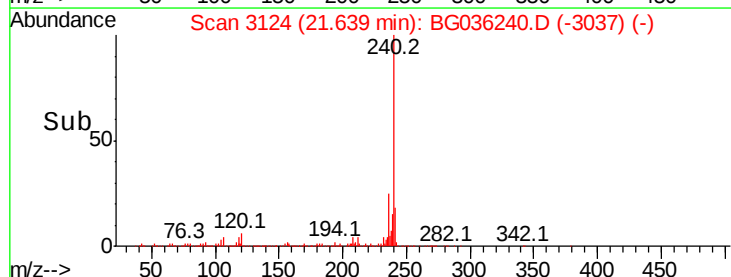
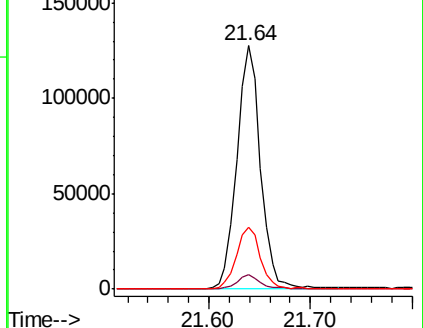
236 25.2 20.9 31.3

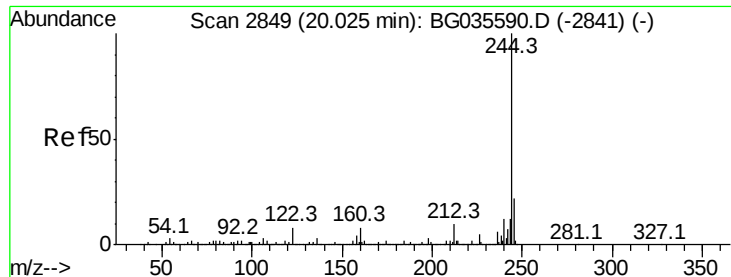


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

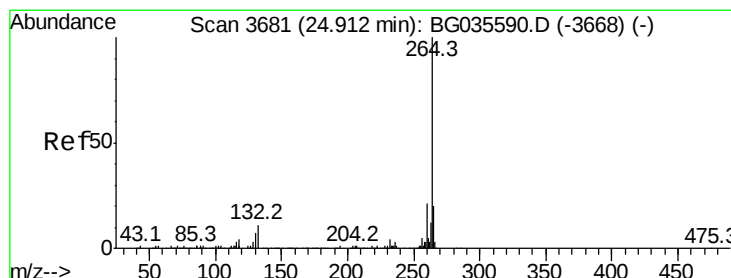
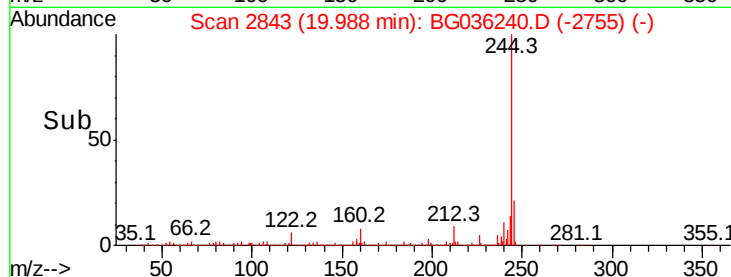
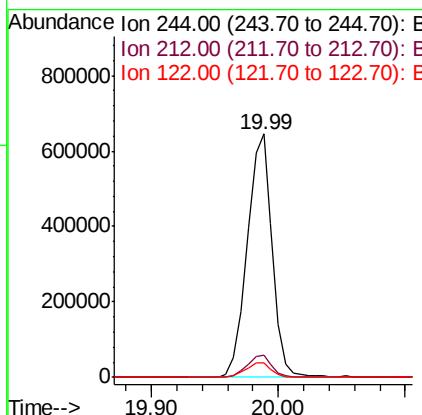
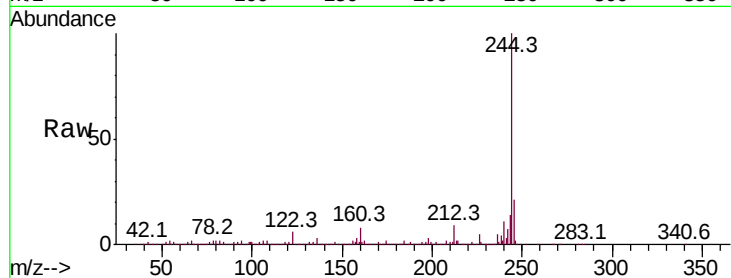




#78
 Terphenyl-d14
 Concen: 93.739 ng
 RT: 19.99 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 878443
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 6.1 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3665
 Delta R.T. -0.04 min
 Lab File: BG036240.D
 Acq: 9 Aug 2018 19:35

Tgt Ion:264 Resp: 202590
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 20.5 17.7 26.5

