

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035722.D
 Acq On : 18 Jul 2018 18:15
 Operator : JU/SJ
 Sample : J3620-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:02:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

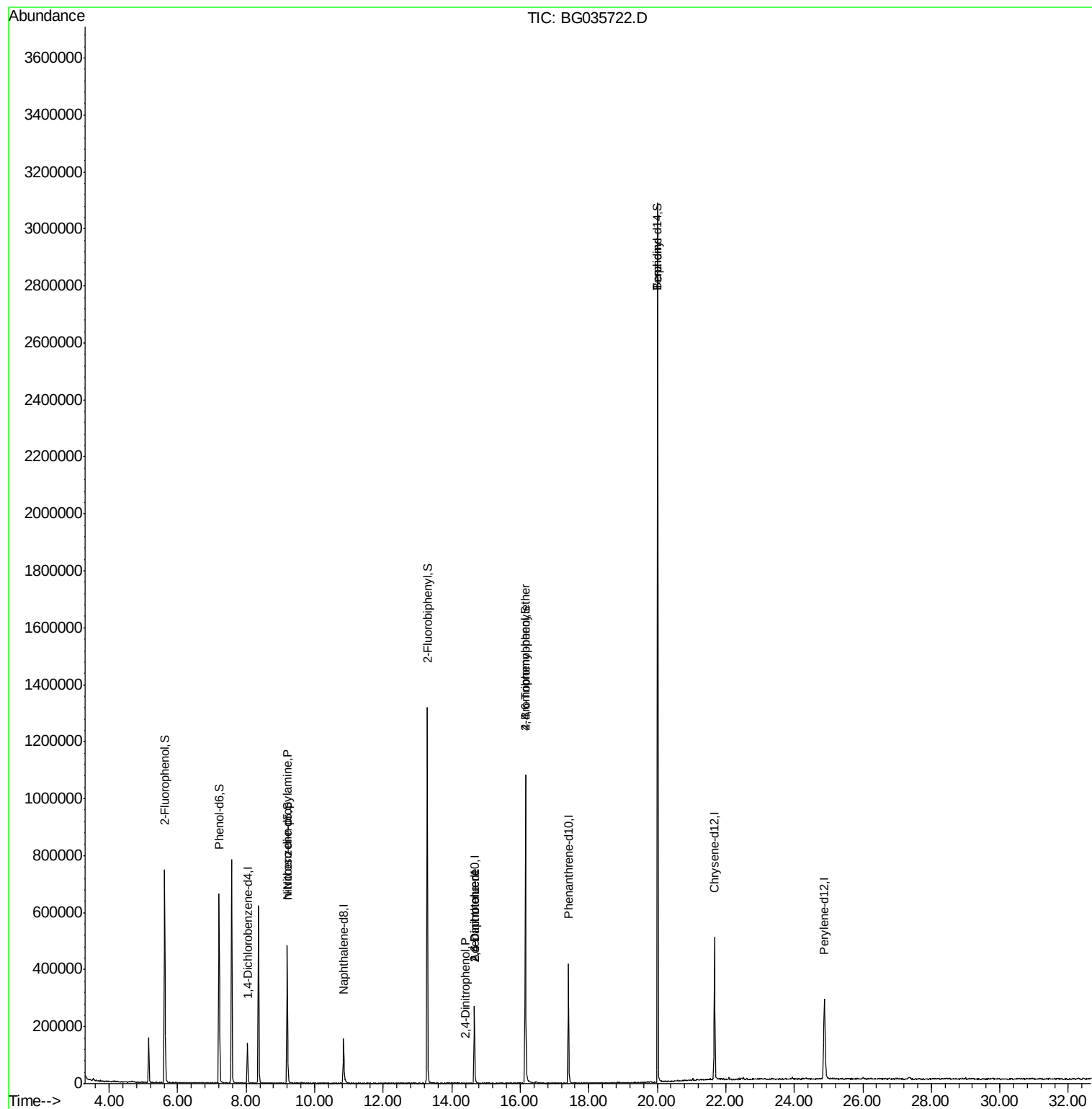
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40107	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	139313	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	97794	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	280152	20.00	ng	0.00
75) Chrysene-d12	21.67	240	341740	20.00	ng	0.00
86) Perylene-d12	24.87	264	323032	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	322146	133.35	ng	0.00
7) Phenol-d6	7.21	99	407643	113.10	ng	0.00
23) Nitrobenzene-d5	9.20	82	329650	98.85	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	206213	159.98	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	736204	100.86	ng	0.00
78) Terphenyl-d14	20.01	244	1514043	97.66	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	43866	14.453	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	13706	7.855	ng	# 20
53) 2,4-Dinitrophenol	14.41	184	67	6.651	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	13706	5.475	ng	# 17
66) 4-Bromophenyl-phenylether	16.15	248	15865	4.881	ng	# 1
76) Benzidine	20.01	184	26342	2.932	ng	# 84

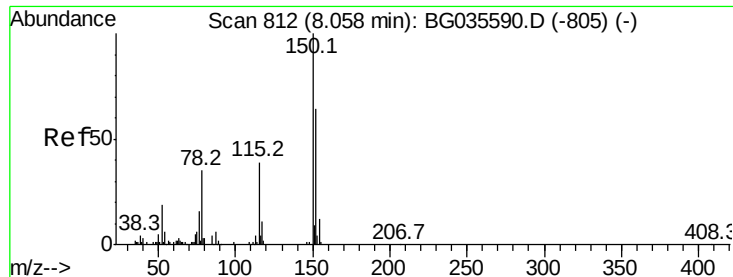
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration



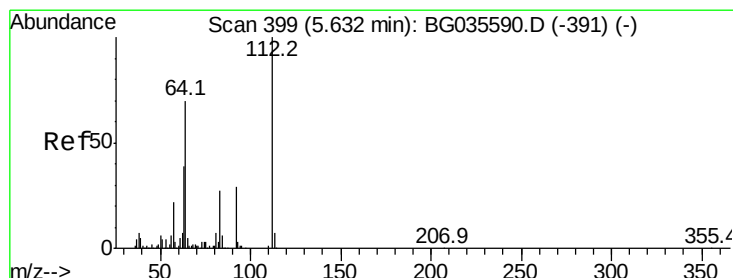
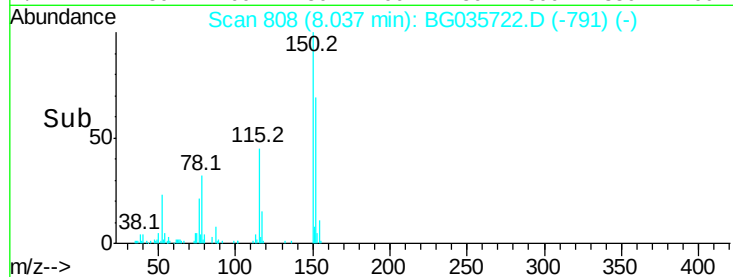
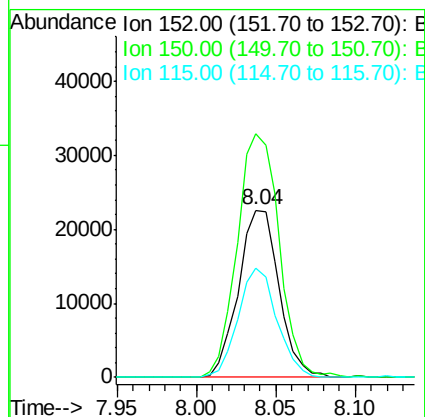
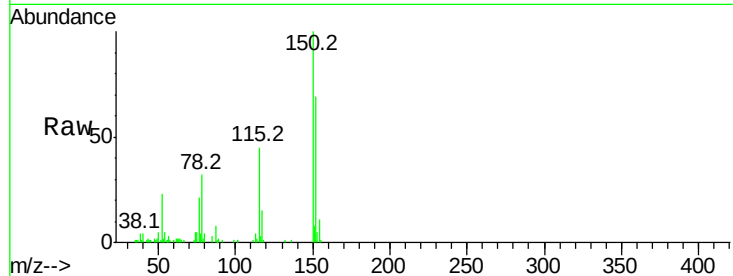


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG035722.D
Acq: 18 Jul 2018 18:15

Instrument :
BNA_G
ClientSampleId :

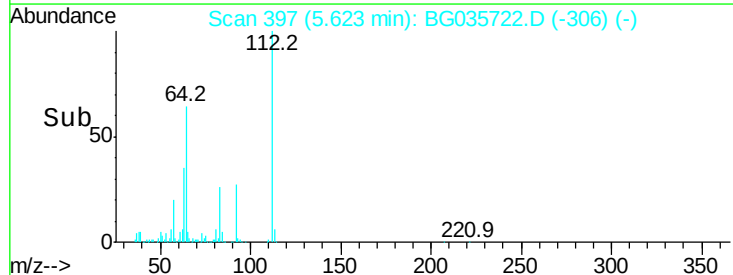
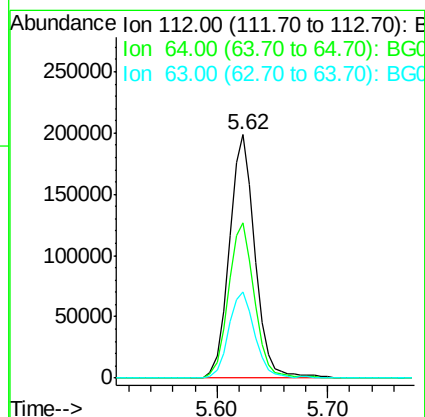
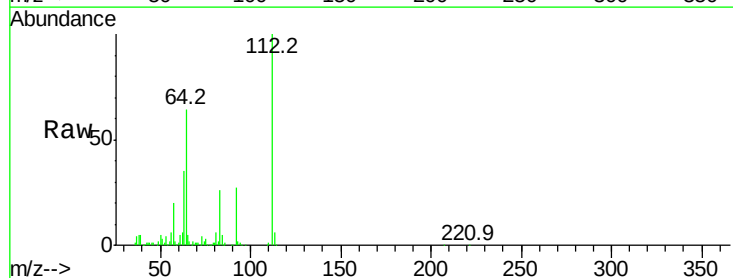
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.9	126.6	189.8
115	65.8	53.0	79.4

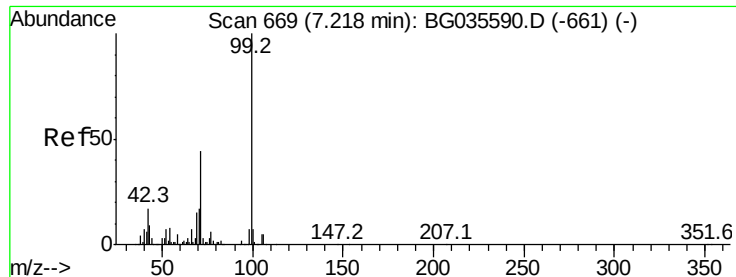


#5

2-Fluorophenol
Concen: 133.353 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035722.D
Acq: 18 Jul 2018 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	56.3	84.5
63	35.2	30.1	45.1





#7

Phenol-d6

Concen: 113.100 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Instrument :

BNA_G

ClientSampleId :

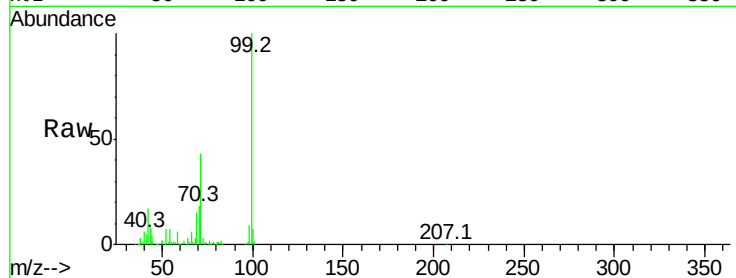
Tot Ion: 99 Resp: 407643

Ion Ratio Lower Upper

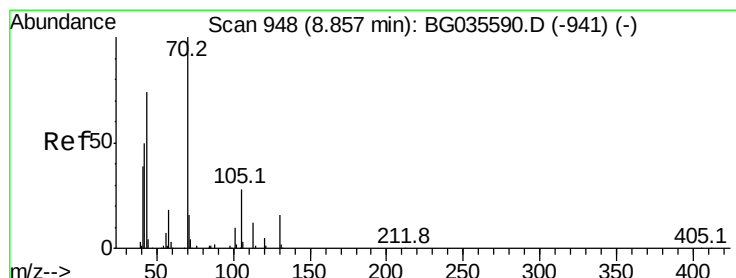
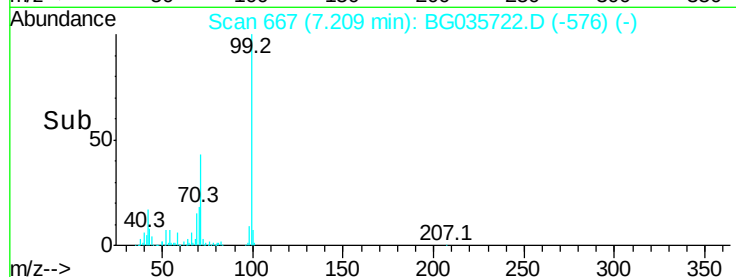
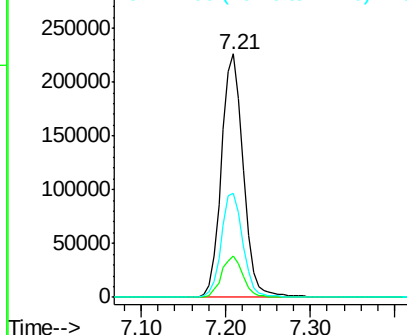
99 100

42 16.9 14.1 21.1

71 43.0 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: 14.453 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Tgt Ion: 70 Resp: 43866

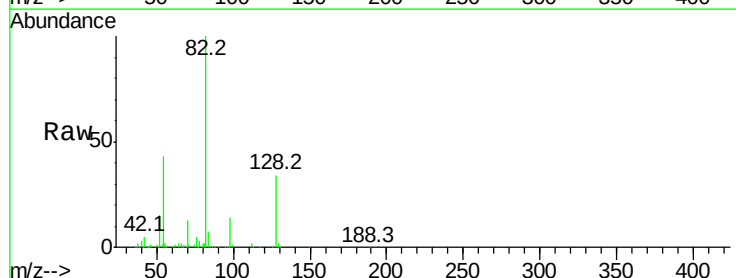
Ion Ratio Lower Upper

70 100

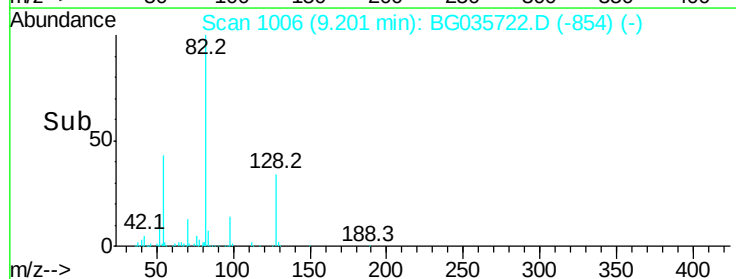
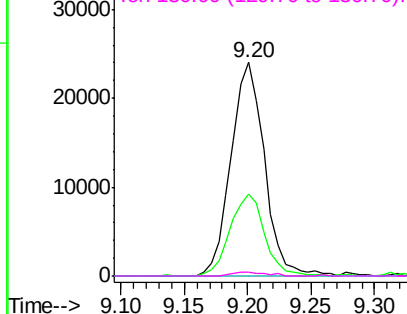
42 38.6 49.1 73.7#

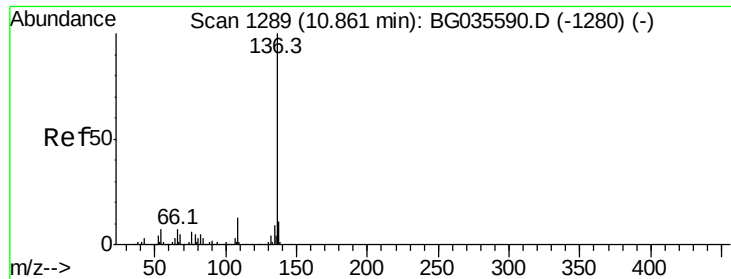
101 0.0 8.5 12.7#

130 2.0 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

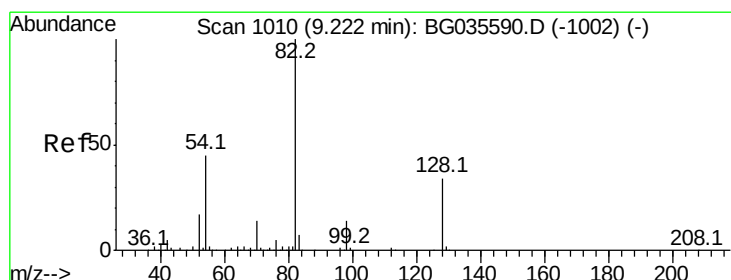
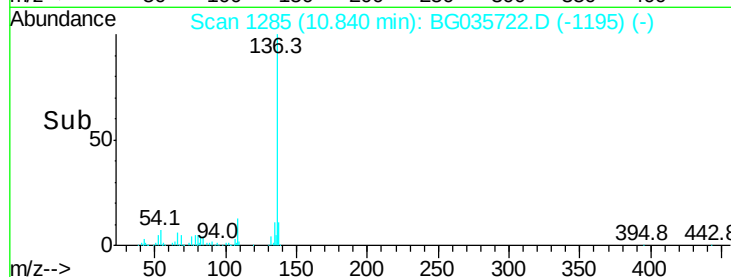
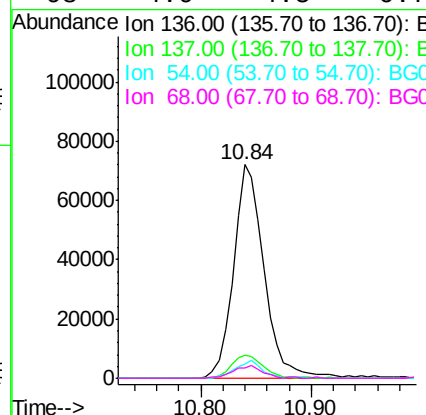
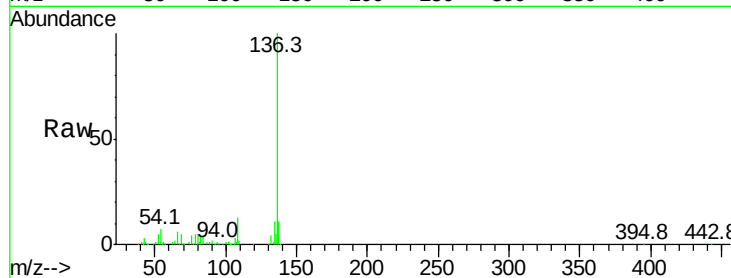




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BG035722.D
Acq: 18 Jul 2018 18:15

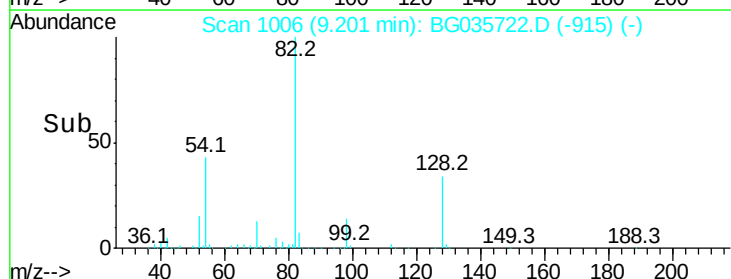
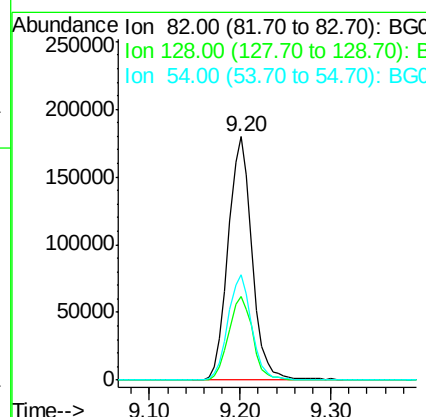
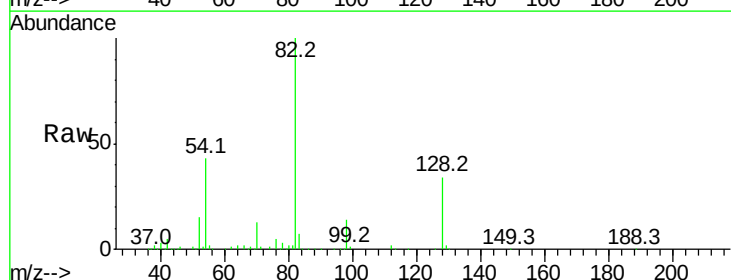
Instrument :
BNA_G
ClientSampled :

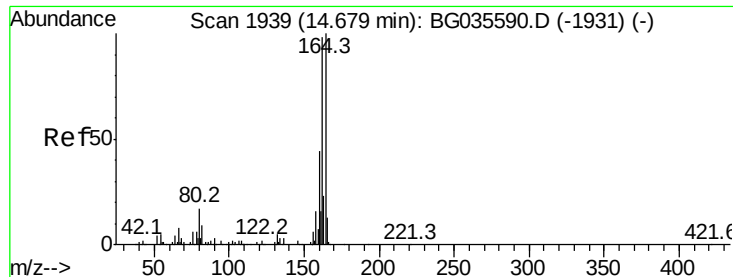
Tot Ion:	136	Resp:	139313
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.5	10.3	15.5#
68	4.9	4.5	6.7



#23
Nitrobenzene-d5
Concen: 98.850 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035722.D
Acq: 18 Jul 2018 18:15

Tgt Ion:	82	Resp:	329650
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	43.5	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Instrument :

BNA_G

ClientSampleId :

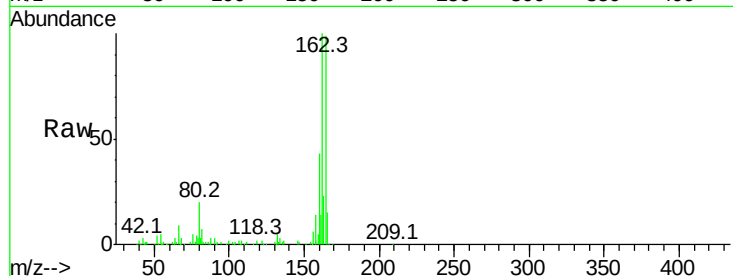
Tot Ion:164 Resp: 97794

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

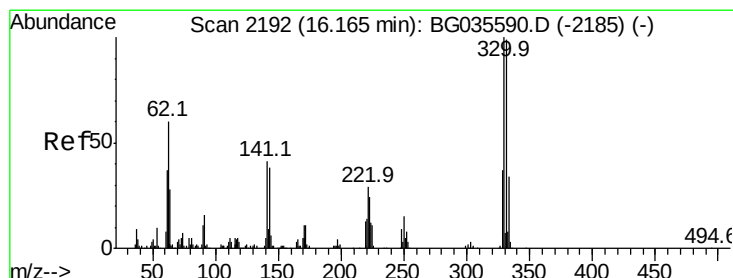
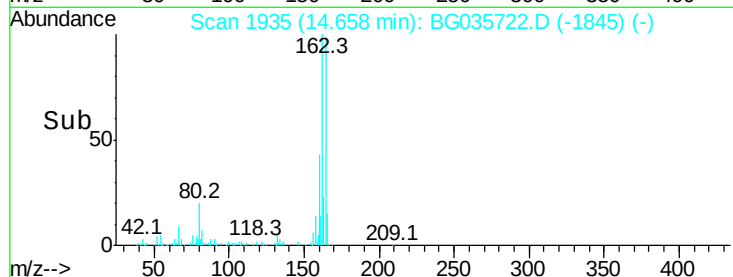
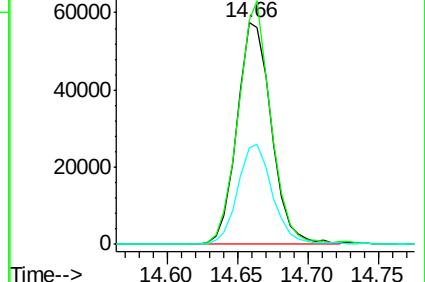
160 43.4 35.4 53.0



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: 159.981 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

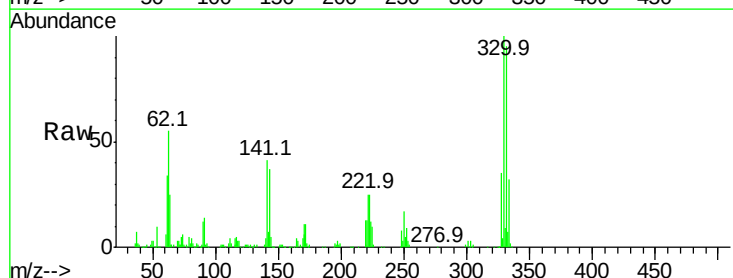
Tgt Ion:330 Resp: 206213

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

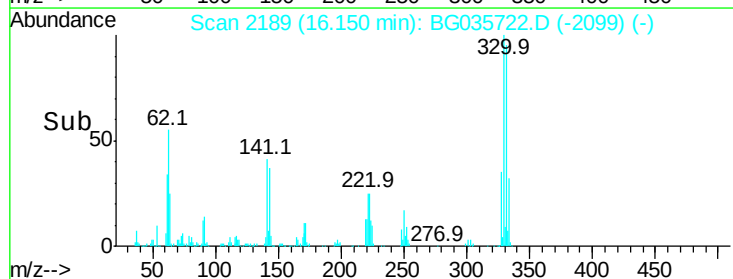
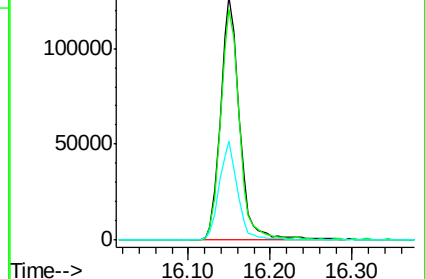
141 39.3 25.2 37.8#

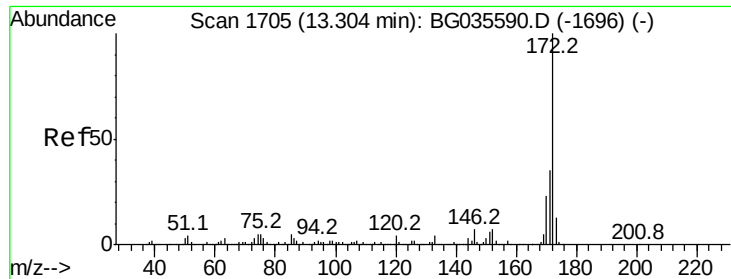


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

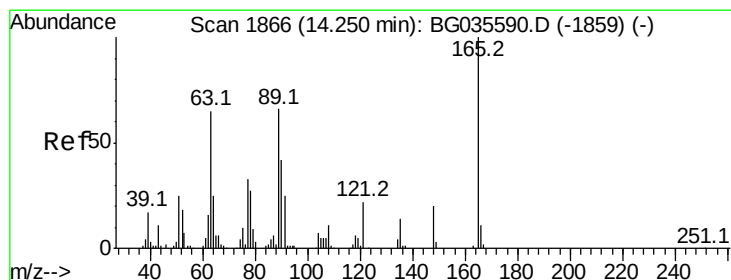
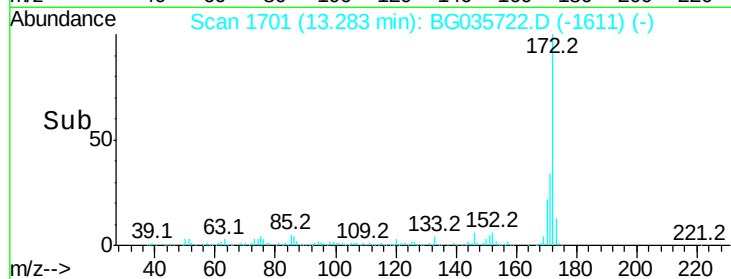
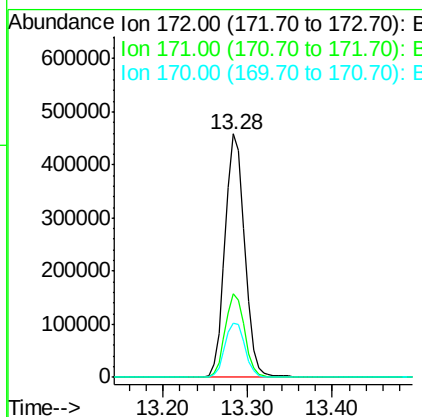
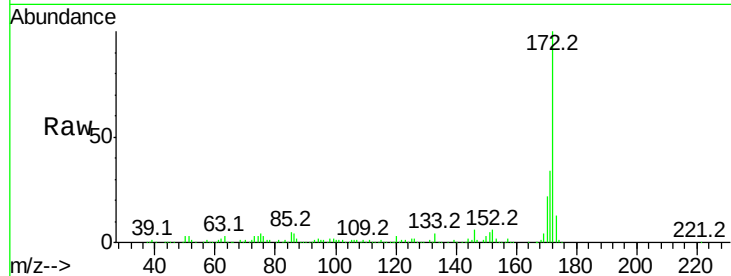




#44
 2-Fluorobiphenyl
 Concen: 100.857 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: BG035722.D
 Acq: 18 Jul 2018 18:15

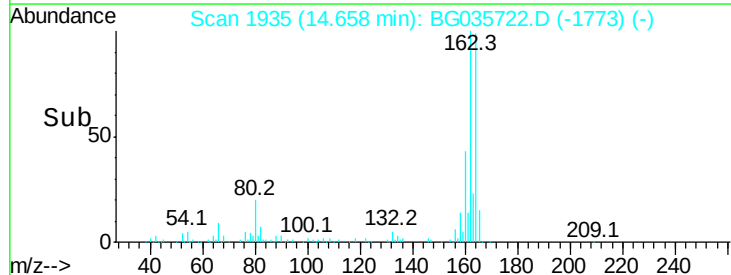
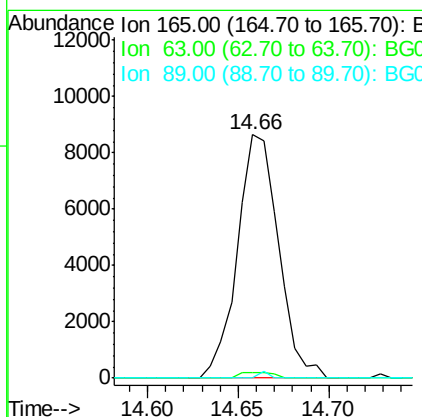
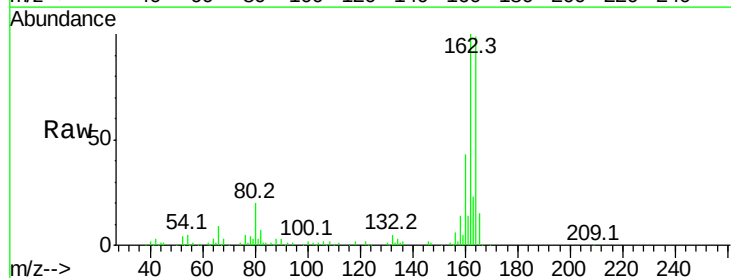
Instrument :
 BNA_G
 ClientSampleId :

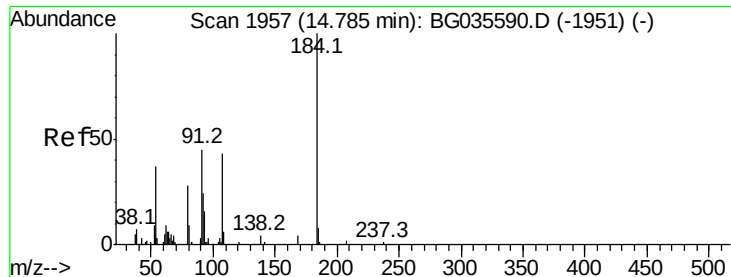
Tot Ion:172 Resp: 736204
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 22.0 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.855 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.42 min
 Lab File: BG035722.D
 Acq: 18 Jul 2018 18:15

Tgt Ion:165 Resp: 13706
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 0.0 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.651 ng

RT: 14.41 min Scan# 1892

Delta R.T. -0.40 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Instrument :

BNA_G

ClientSampleId :

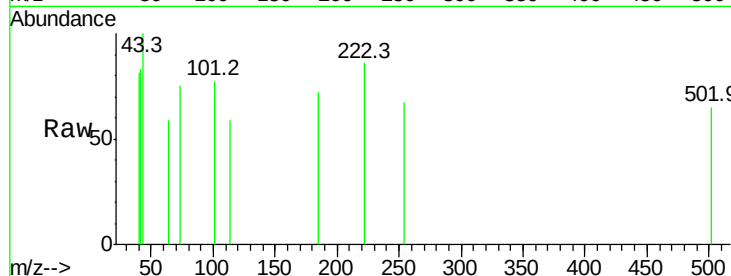
Tot Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

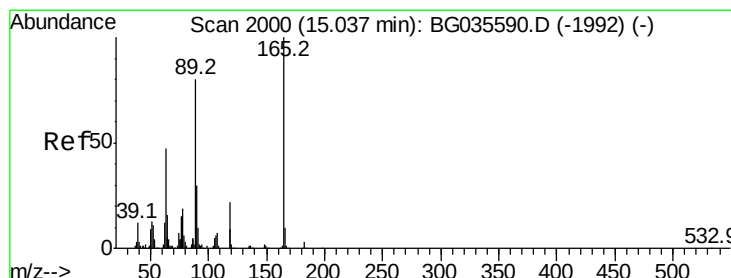
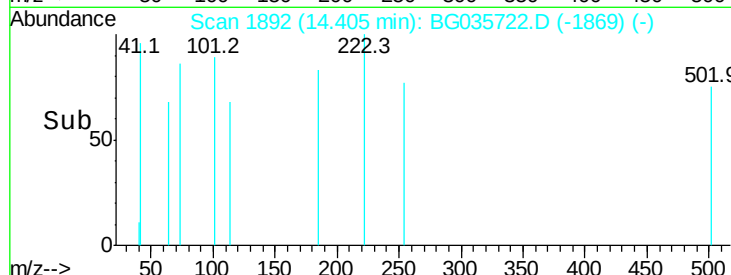
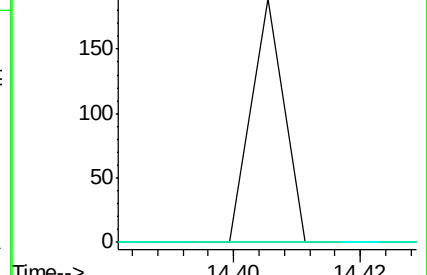
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.475 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.36 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Tgt Ion:165 Resp: 13706

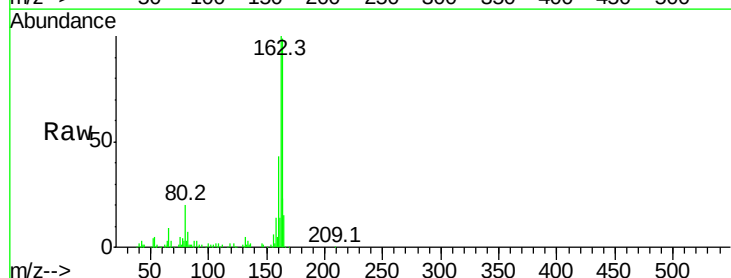
Ion Ratio Lower Upper

165 100

63 2.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

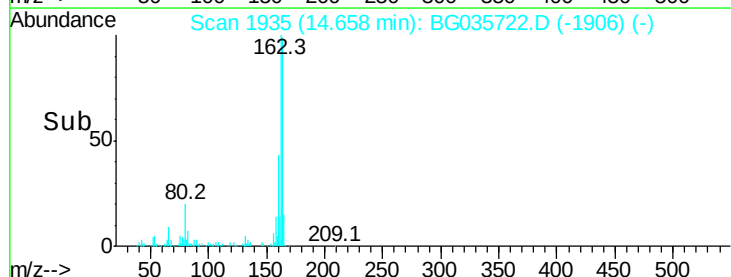
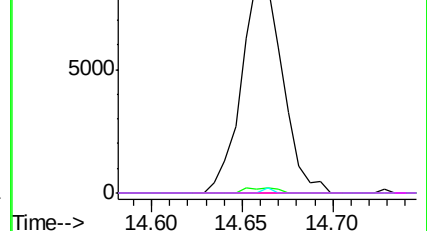


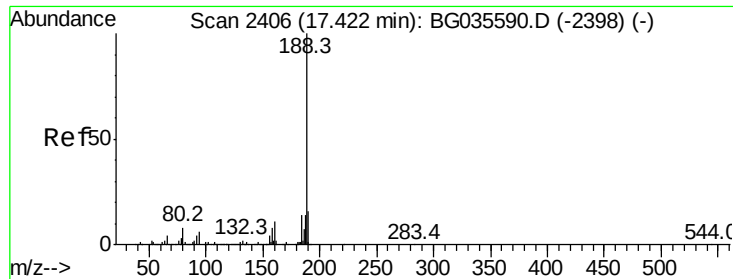
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Instrument :

BNA_G

ClientSampleId :

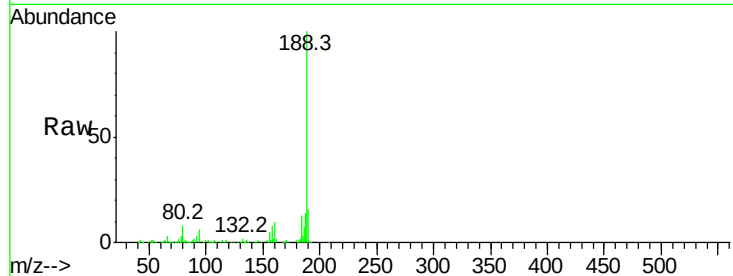
Tot Ion:188 Resp: 280152

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

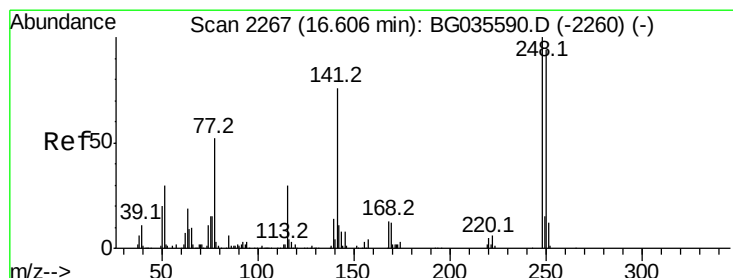
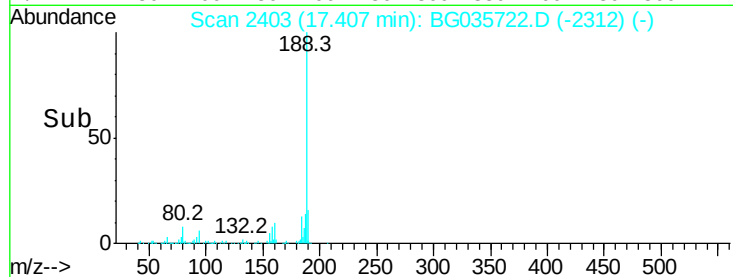
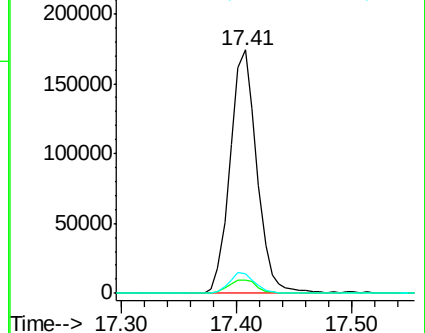
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#66

4-Bromophenyl-phenylether

Concen: 4.881 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.44 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

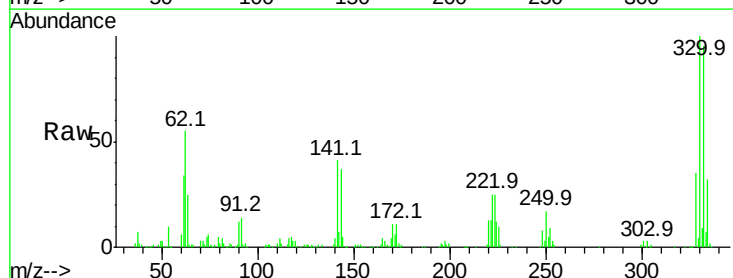
Tgt Ion:248 Resp: 15865

Ion Ratio Lower Upper

248 100

250 197.7 77.1 115.7#

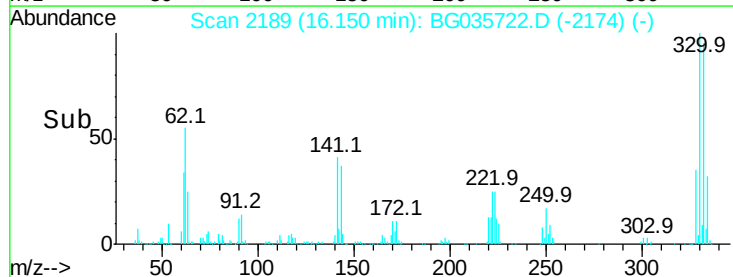
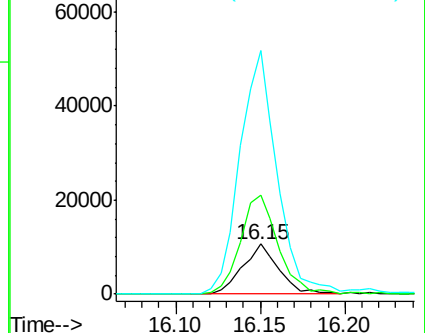
141 488.4 50.8 76.2#

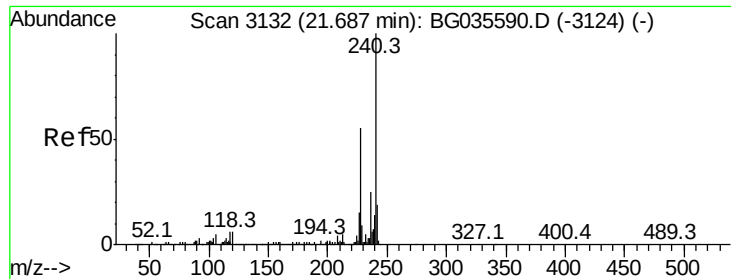


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

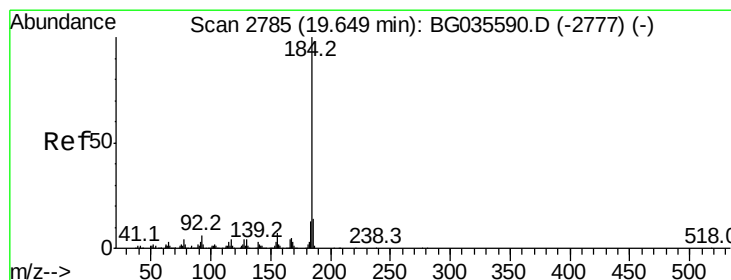
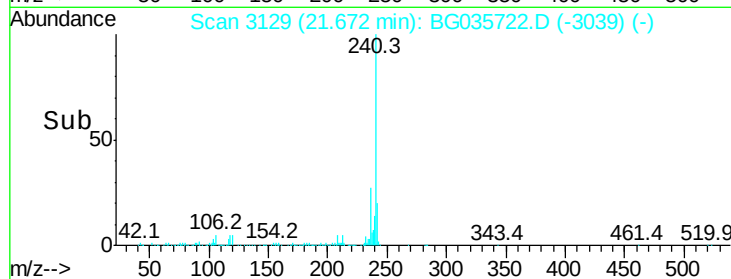
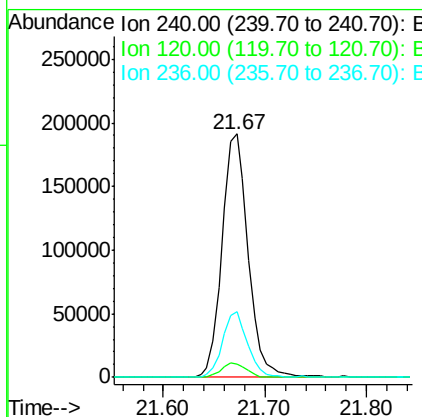
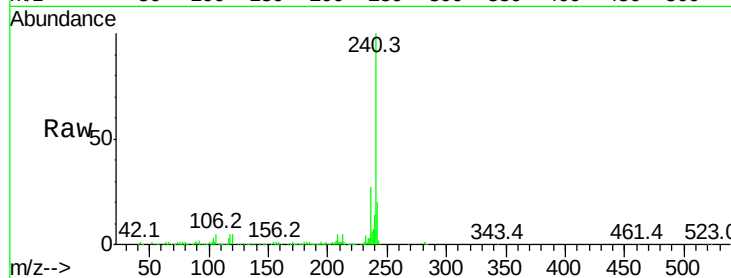




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.00 min
 Lab File: BG035722.D
 Acq: 18 Jul 2018 18:15

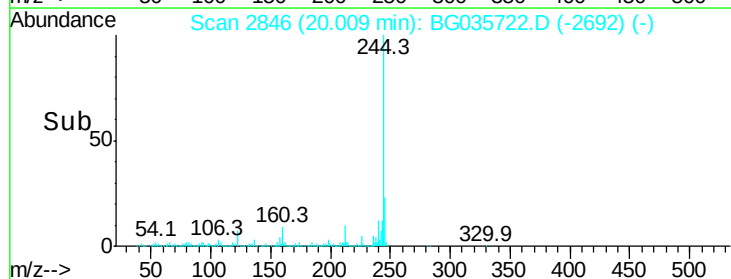
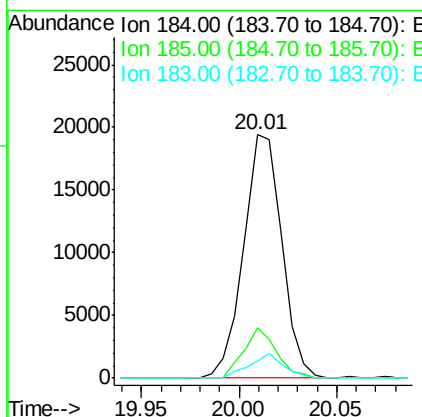
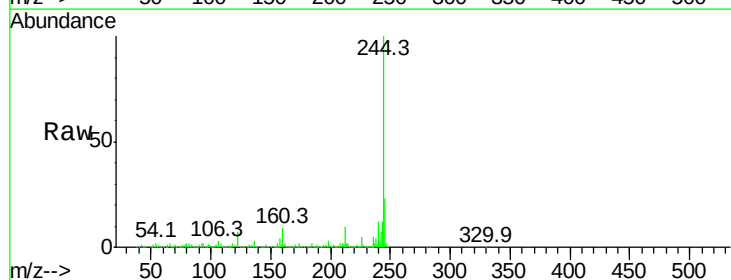
Instrument :
 BNA_G
 ClientSampleId :

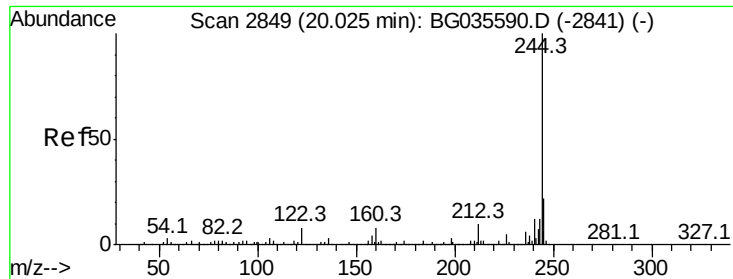
Tot Ion:240 Resp: 341740
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 26.9 20.9 31.3



#76
 Benzidine
 Concen: 2.932 ng
 RT: 20.01 min Scan# 2846
 Delta R.T. 0.37 min
 Lab File: BG035722.D
 Acq: 18 Jul 2018 18:15

Tgt Ion:184 Resp: 26342
 Ion Ratio Lower Upper
 184 100
 185 20.5 11.1 16.7#
 183 7.1 10.6 16.0#





#78

Terphenyl-d14

Concen: 97.659 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

Instrument :

BNA_G

ClientSampleId :

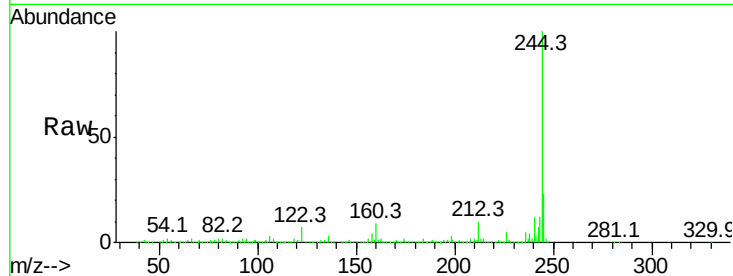
Tot Ion:244 Resp: 1514043

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

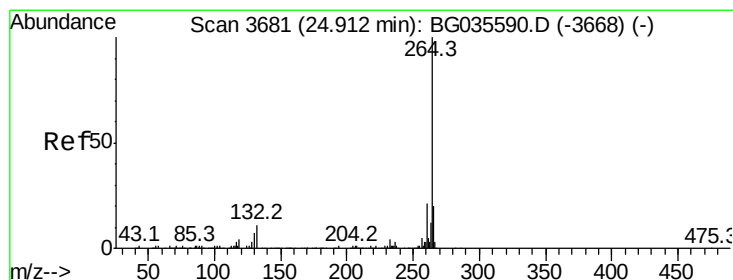
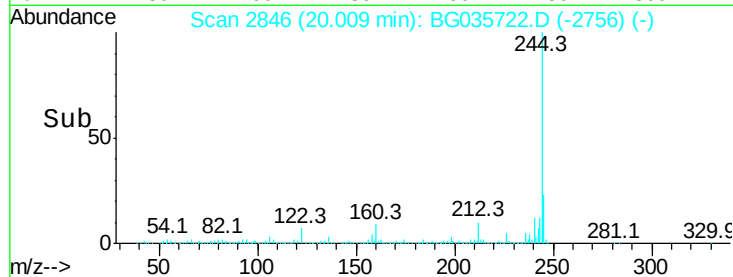
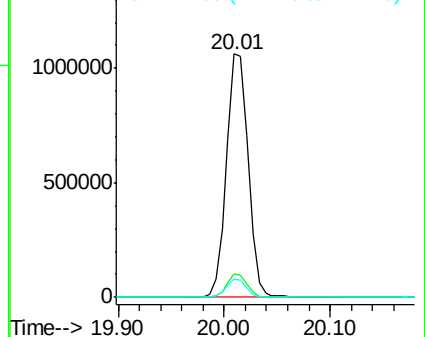
122 7.5 7.0 10.4



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: 24.87 min Scan# 3674

Delta R.T. -0.01 min

Lab File: BG035722.D

Acq: 18 Jul 2018 18:15

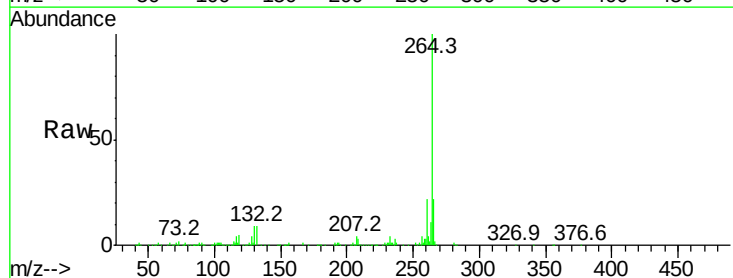
Tgt Ion:264 Resp: 323032

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.9 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

