

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035399.D
 Acq On : 26 Jun 2018 5:48
 Operator : JU/SJ
 Sample : J3684-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 08:30:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

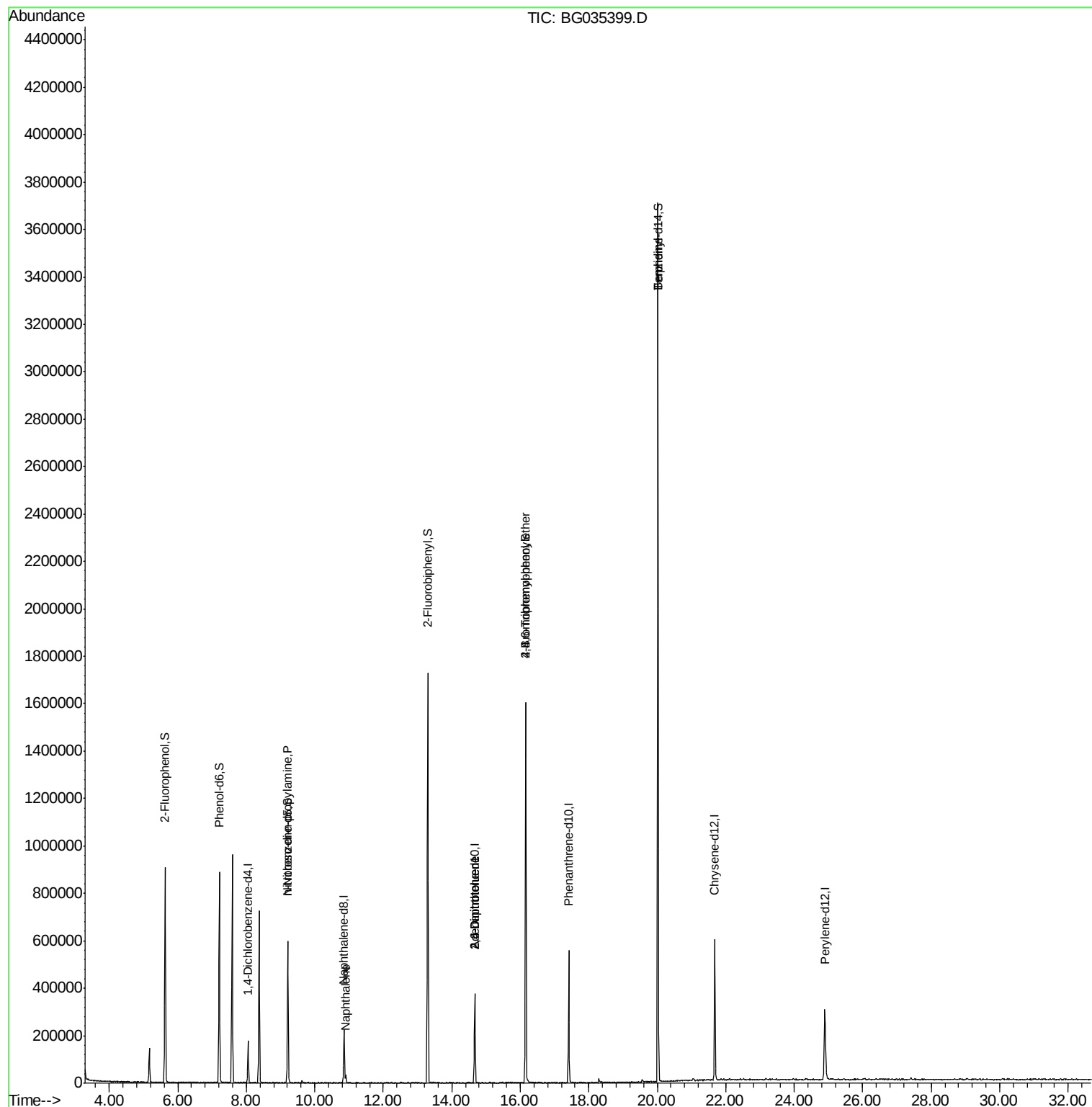
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49029	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	186637	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	130223	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	355507	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	385760	20.00	ng	-0.04
86) Perylene-d12	24.89	264	358452	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	405202	139.47	ng	-0.01
7) Phenol-d6	7.21	99	531406	123.93	ng	-0.01
23) Nitrobenzene-d5	9.21	82	412403	105.03	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	292900	175.70	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	934034	93.24	ng	-0.03
78) Terphenyl-d14	20.02	244	1759841	95.56	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	53560	14.702	ng	# 65
31) Naphthalene	10.91	128	25888	2.670	ng	# 96
50) 2,6-Dinitrotoluene	14.67	165	17314	8.357	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	17314	6.291	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	23185	5.416	ng	# 1
76) Benzidine	20.02	184	29941	2.086	ng	# 89

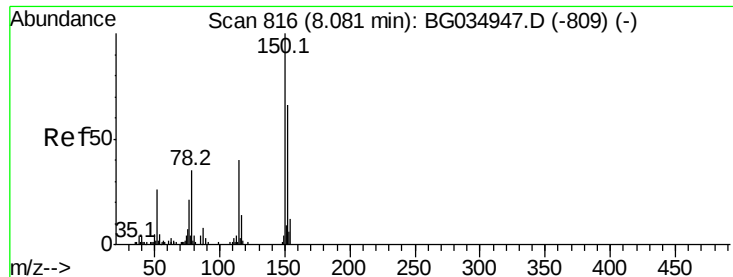
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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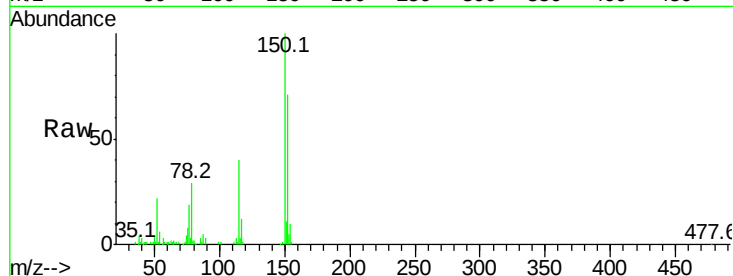


#1

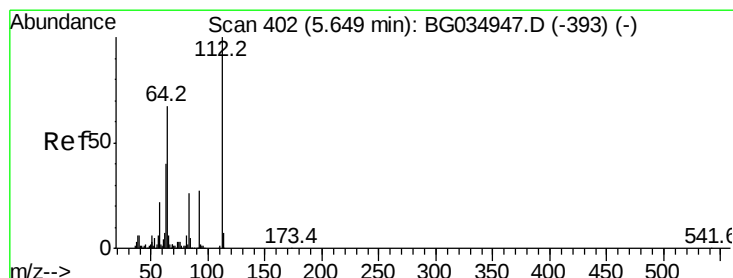
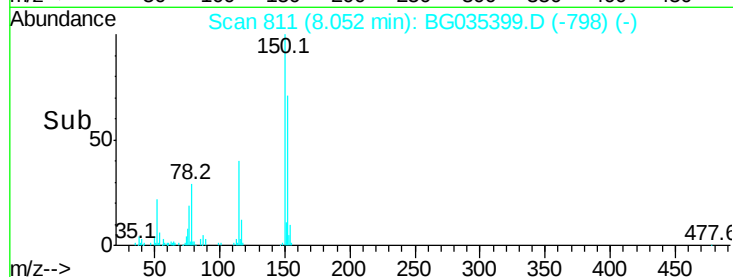
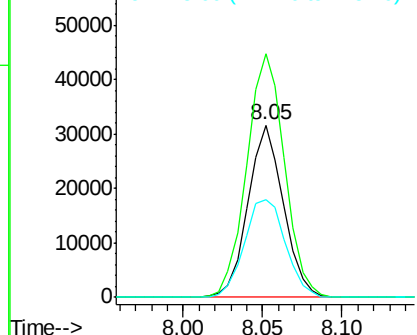
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.1	126.6	189.8
115	56.3	53.0	79.4



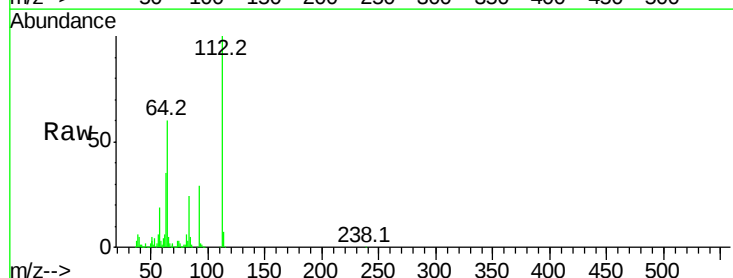
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



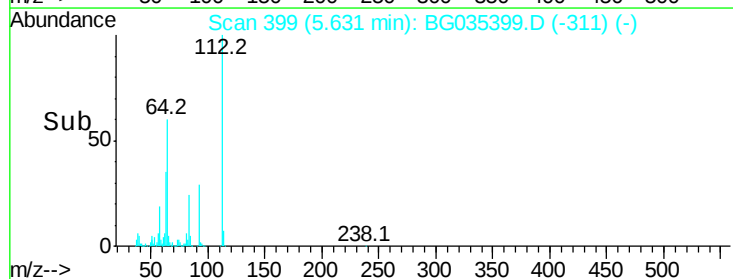
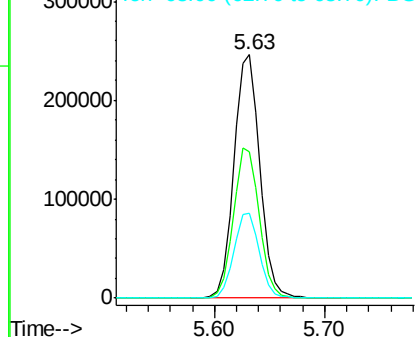
#5

2-Fluorophenol
Concen: 139.473 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	56.3	84.5
63	34.6	30.1	45.1



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





#7

Phenol-d6

Concen: 123.930 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

Instrument :

BNA_G

ClientSampleId :

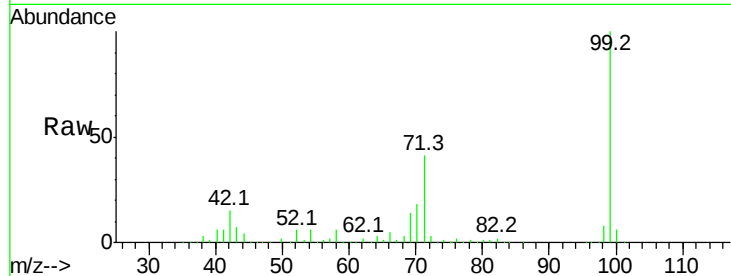
Tot Ion: 99 Resp: 531406

Ion Ratio Lower Upper

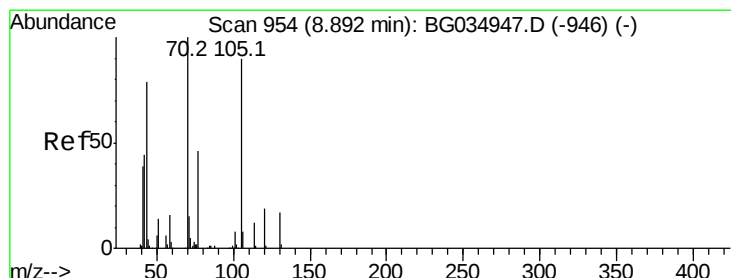
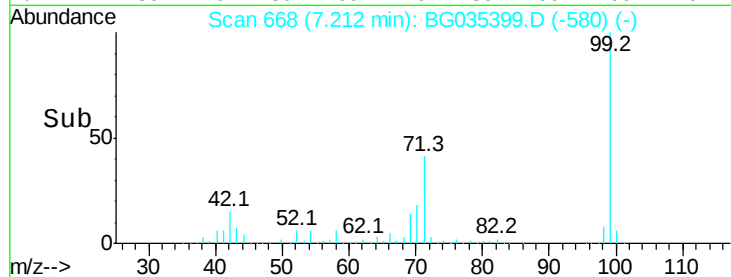
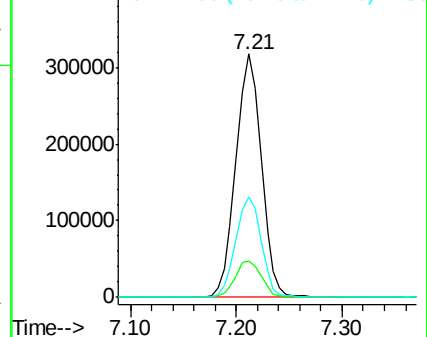
99 100

42 14.8 14.1 21.1

71 41.4 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: 14.702 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

Tgt Ion: 70 Resp: 53560

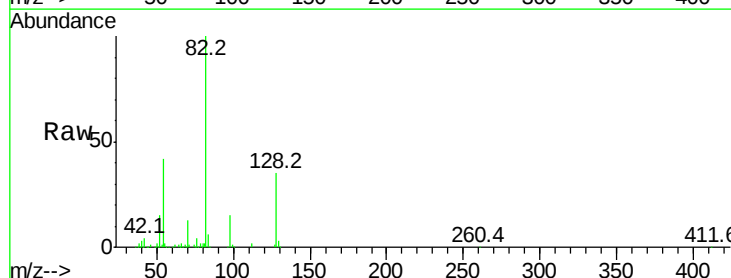
Ion Ratio Lower Upper

70 100

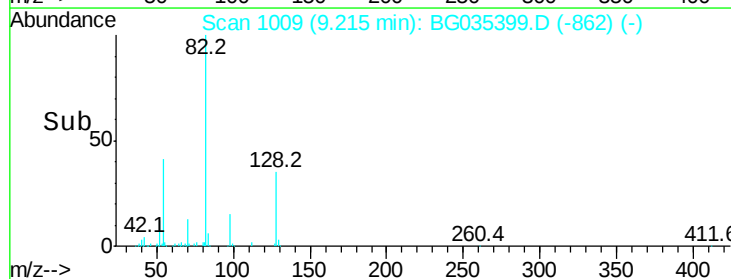
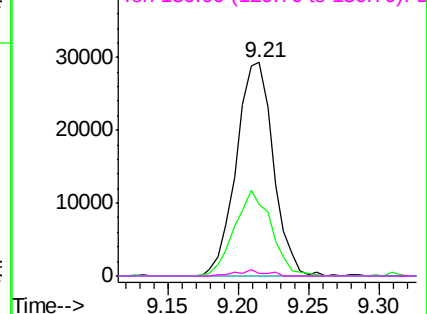
42 33.7 49.1 73.7#

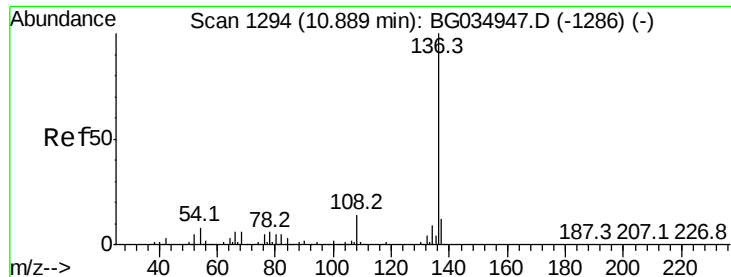
101 0.0 8.5 12.7#

130 1.2 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

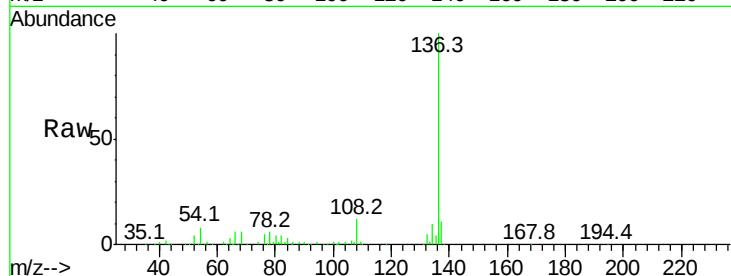




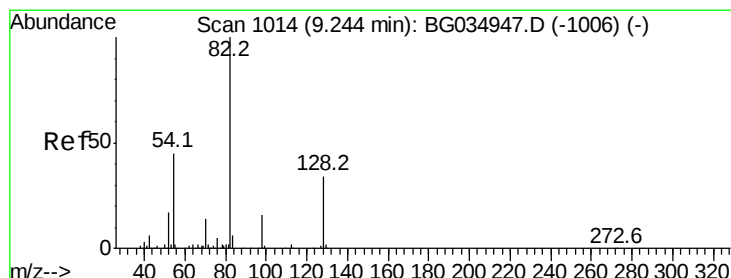
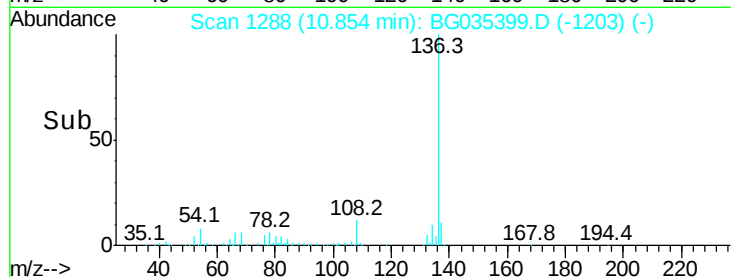
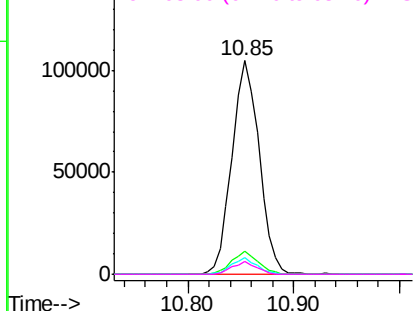
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	186637
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	7.8	10.3 15.5#
68	5.7	4.5 6.7

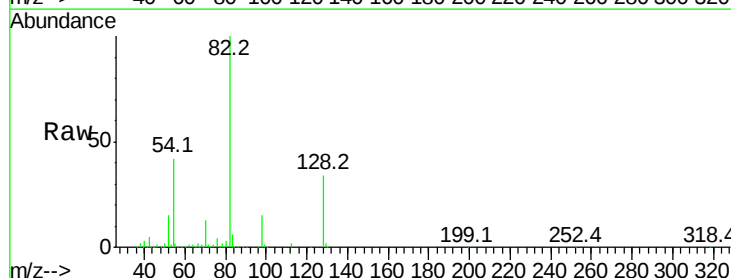


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

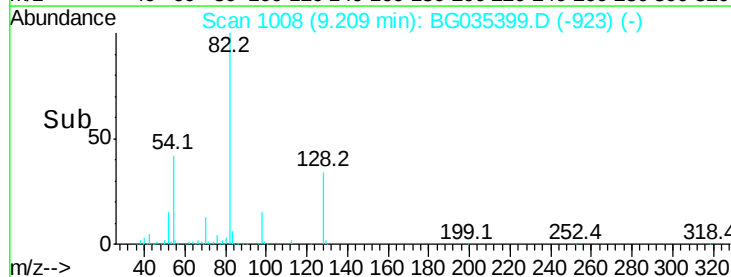
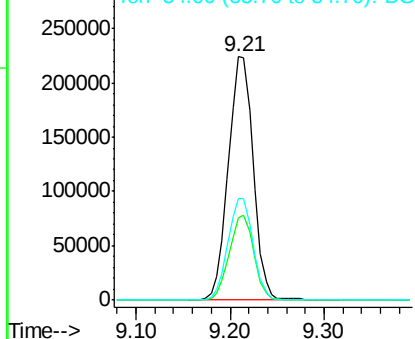


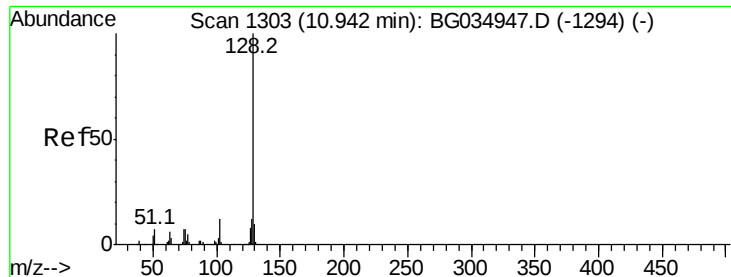
#23
Nitrobenzene-d5
Concen: 105.034 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Tgt Ion: 82	Resp:	412403
Ion Ratio	Lower	Upper
82	100	
128	33.7	29.7 44.5
54	41.8	43.1 64.7#



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

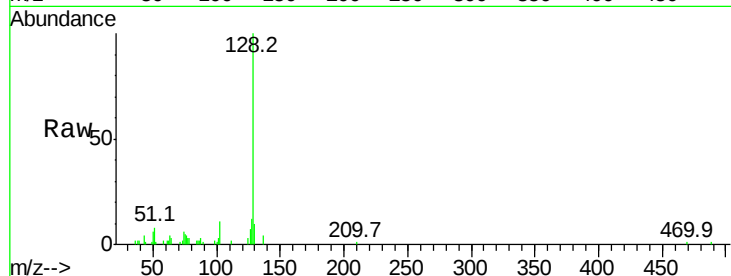




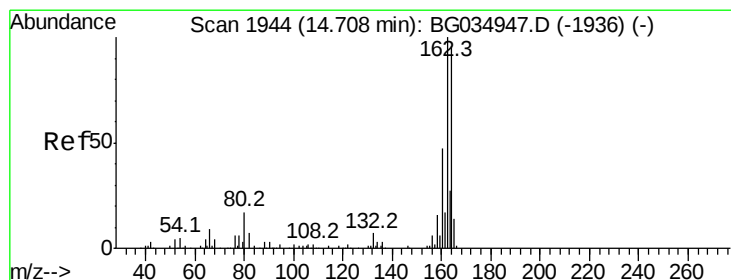
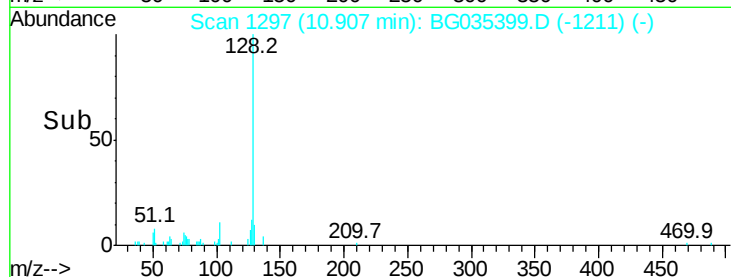
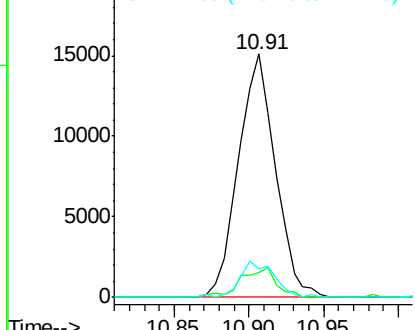
#31
Naphthalene
Concen: 2.670 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	11.9	11.6	17.4

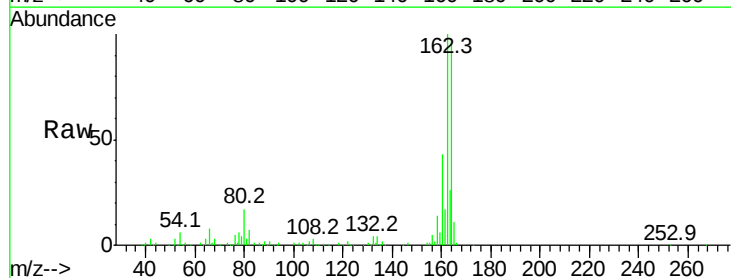


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

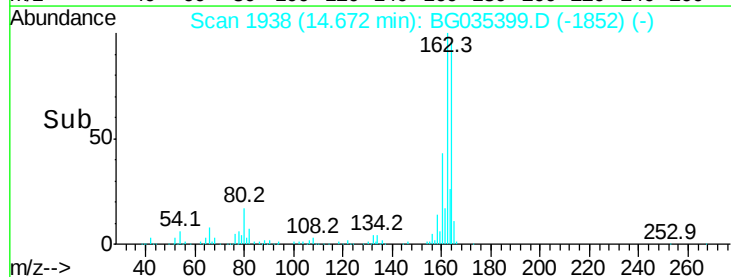
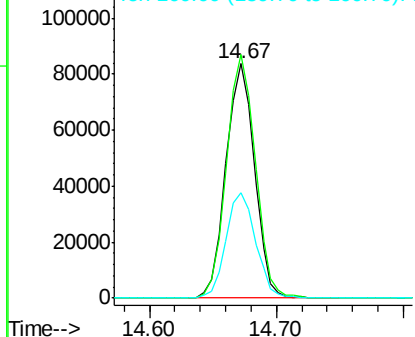


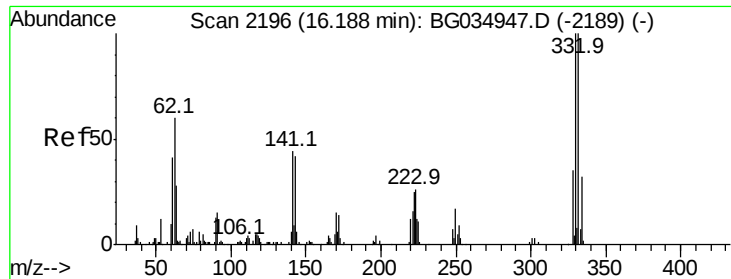
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035399.D
Acq: 26 Jun 2018 5:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	78.8	118.2
160	44.9	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

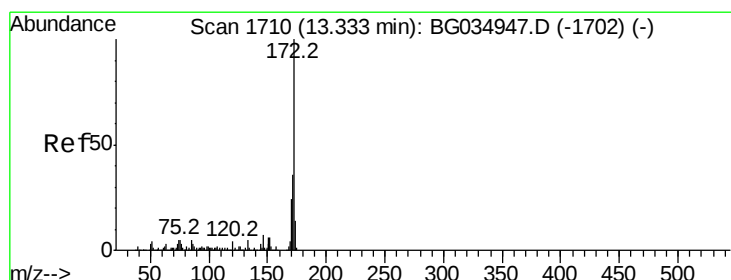
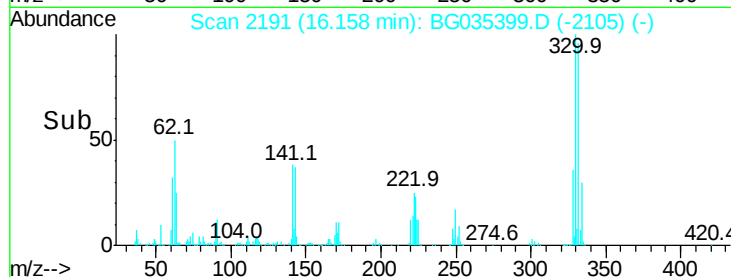
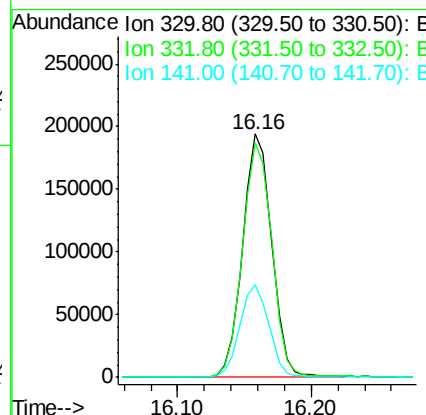
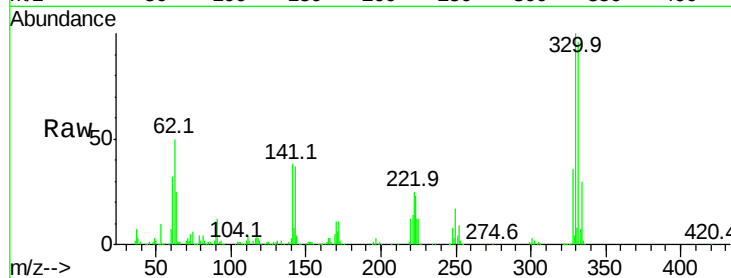




#41
 2,4,6-Tribromophenol
 Concen: 175.703 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BG035399.D
 Acq: 26 Jun 2018 5:48

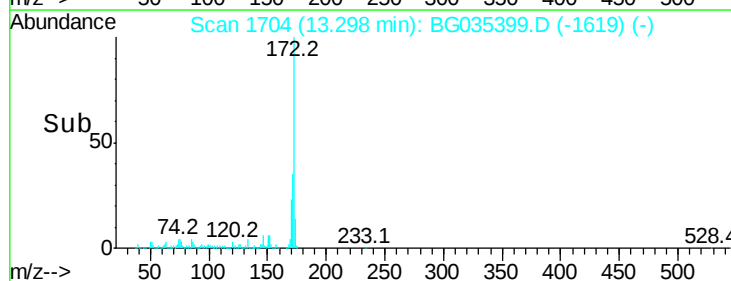
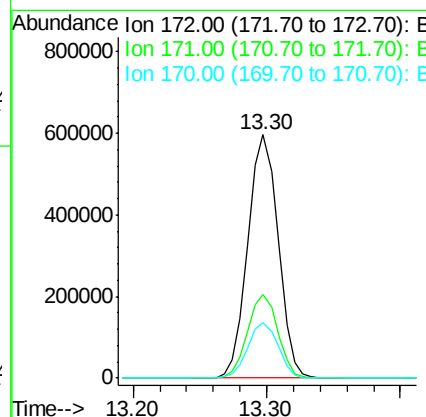
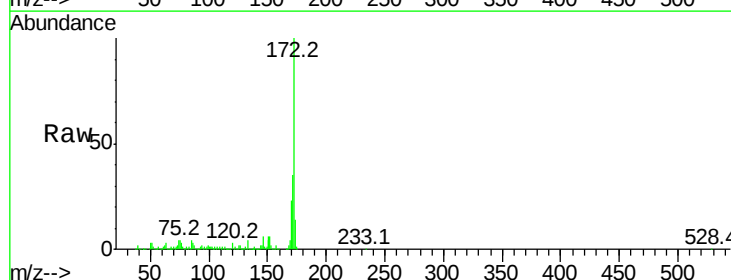
Instrument :
 BNA_G
 ClientSampled :

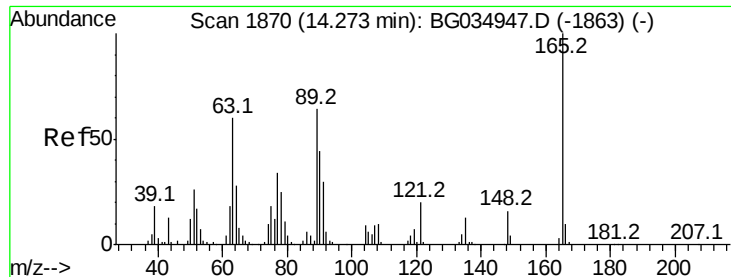
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	38.3	25.2	37.8#



#44
 2-Fluorobiphenyl
 Concen: 93.243 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035399.D
 Acq: 26 Jun 2018 5:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	22.8	19.5	29.3

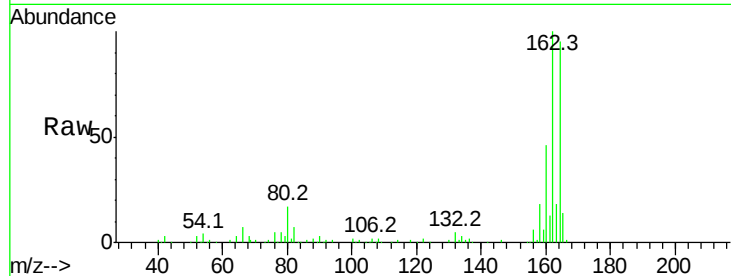




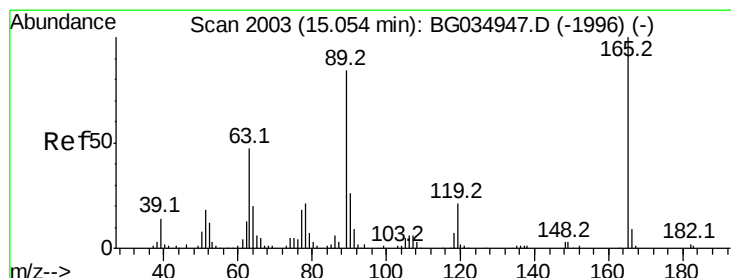
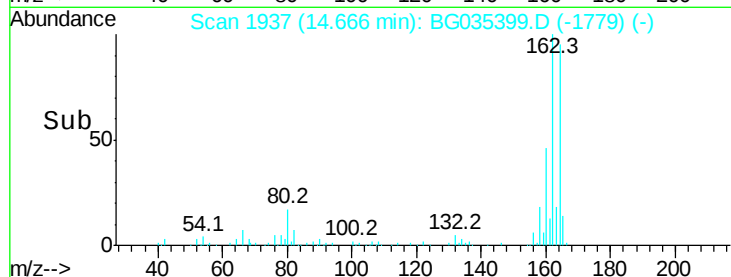
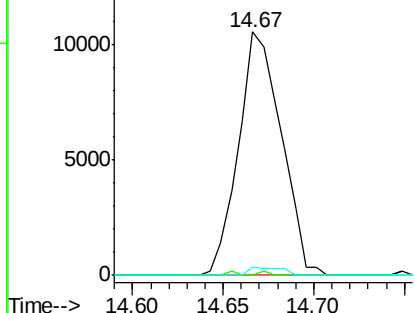
#50
 2,6-Dinitrotoluene
 Concen: 8.357 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.40 min
 Lab File: BG035399.D
 Acq: 26 Jun 2018 5:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.3	49.2	73.8#



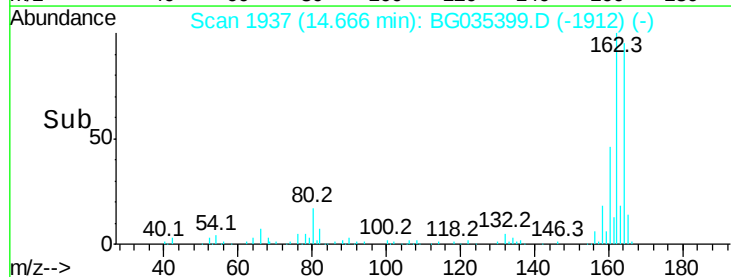
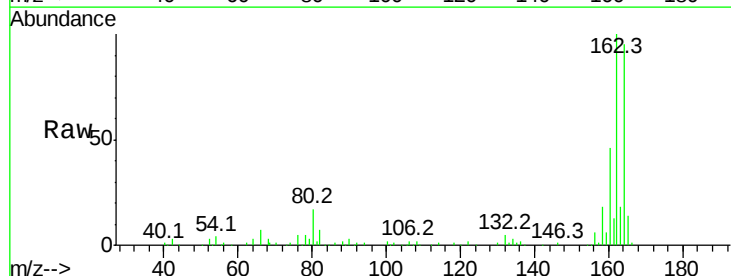
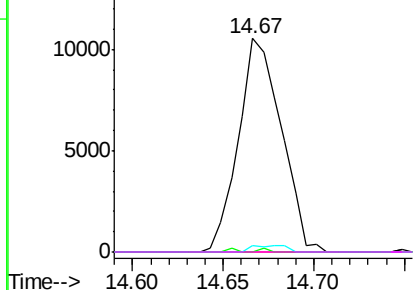
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

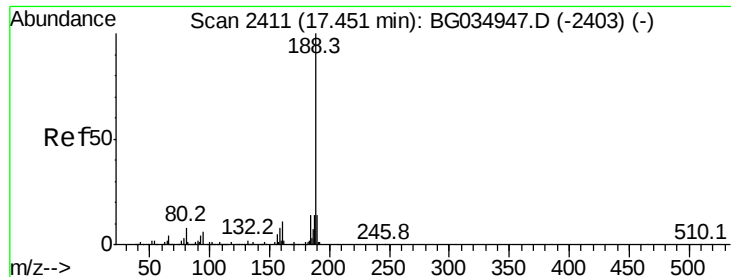


#56
 2,4-Dinitrotoluene
 Concen: 6.291 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.38 min
 Lab File: BG035399.D
 Acq: 26 Jun 2018 5:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.3	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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

Instrument :

BNA_G

ClientSampleId :

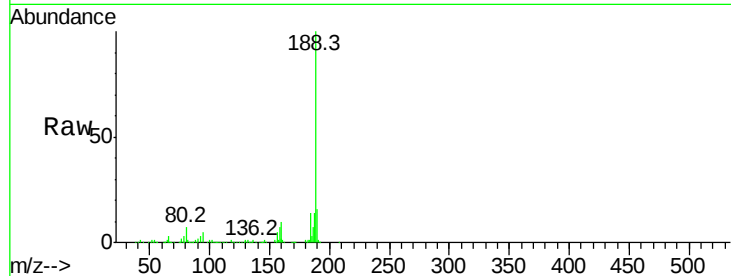
Tot Ion:188 Resp: 355507

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

80 7.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

300000

250000

200000

150000

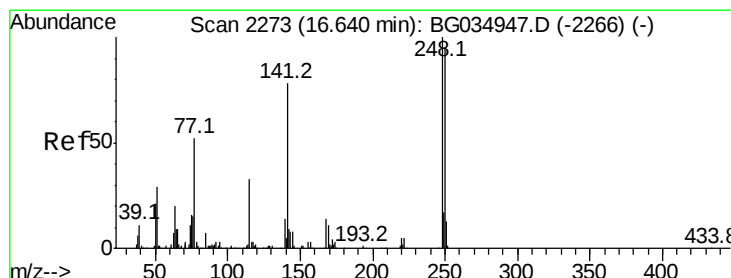
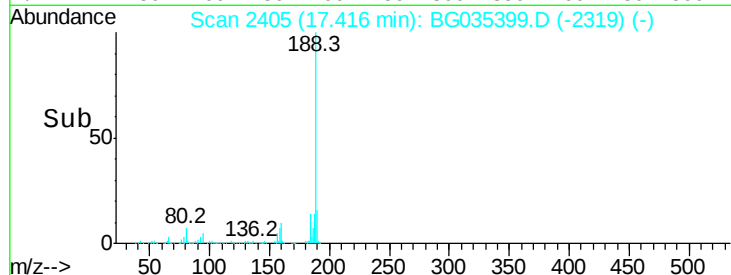
100000

50000

0

17.40 17.50

Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.416 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

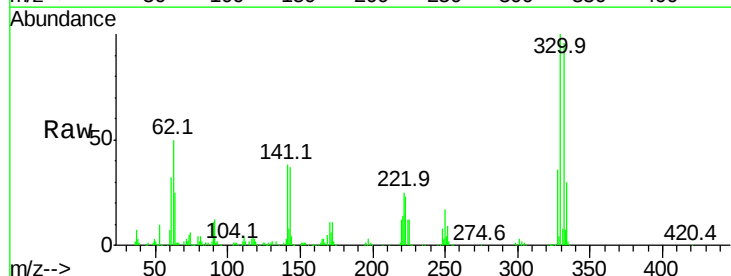
Tgt Ion:248 Resp: 23185

Ion Ratio Lower Upper

248 100

250 214.1 77.1 115.7#

141 483.8 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

100000

80000

60000

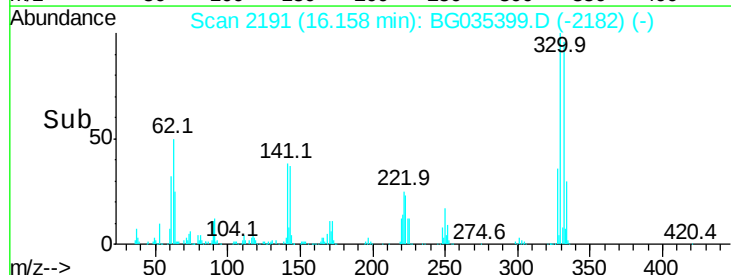
40000

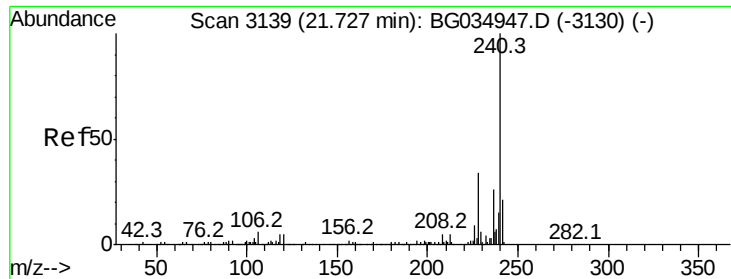
20000

0

16.10 16.15 16.20

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

Instrument :

BNA_G

ClientSampleId :

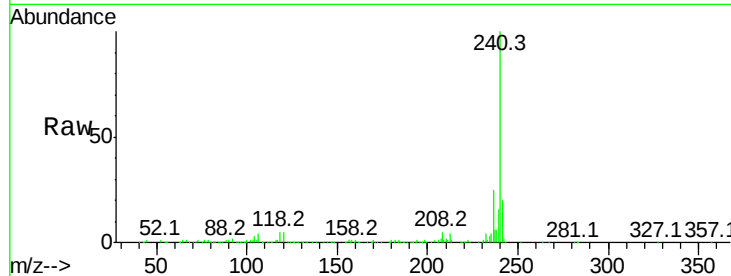
Tot Ion:240 Resp: 385760

Ion Ratio Lower Upper

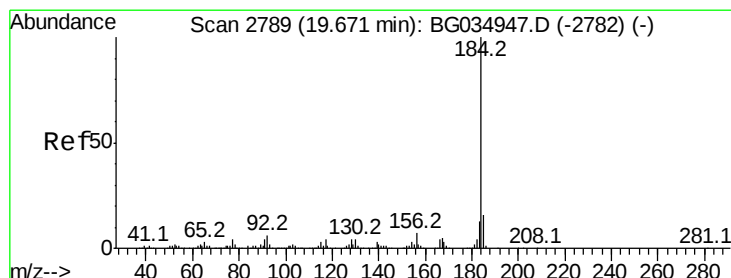
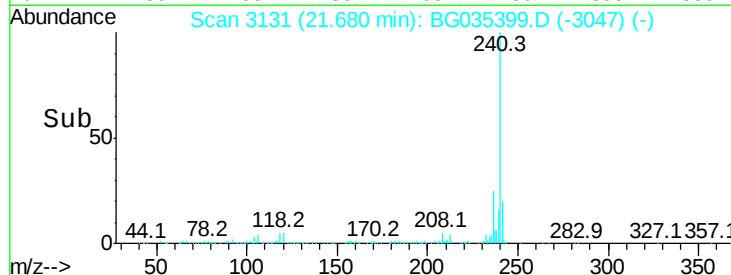
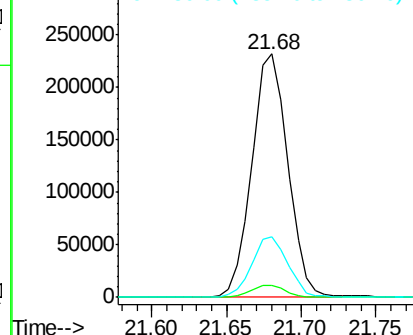
240 100

120 4.8 6.8 10.2#

236 25.0 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



#76

Benzidine

Concen: 2.086 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

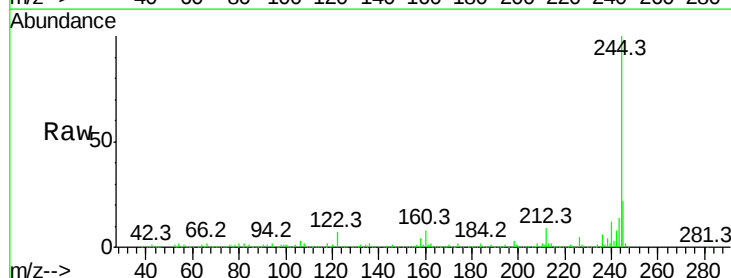
Tgt Ion:184 Resp: 29941

Ion Ratio Lower Upper

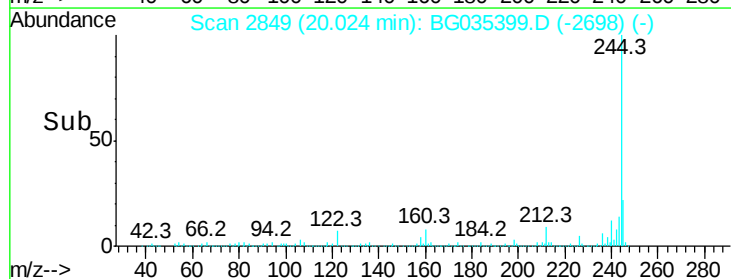
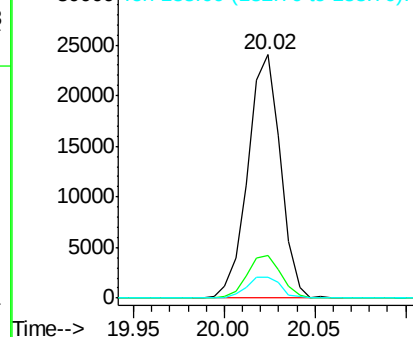
184 100

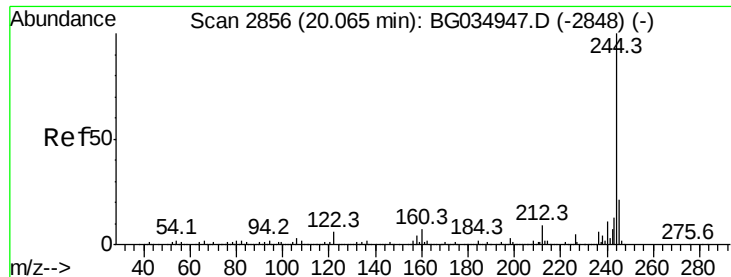
185 17.8 11.1 16.7#

183 8.4 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.559 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

Instrument :

BNA_G

ClientSampleId :

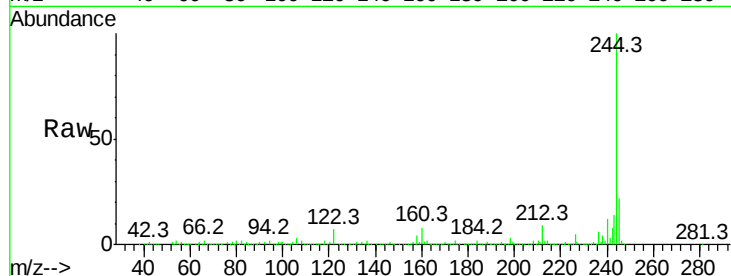
Tot Ion:244 Resp: 1759841

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

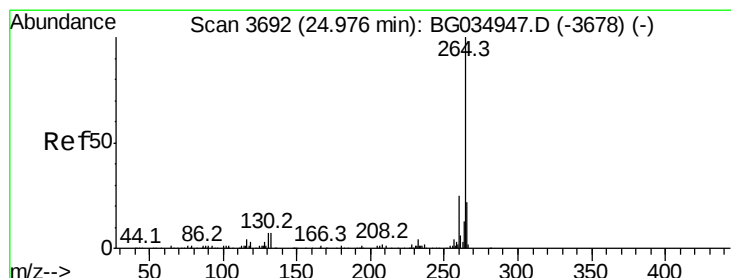
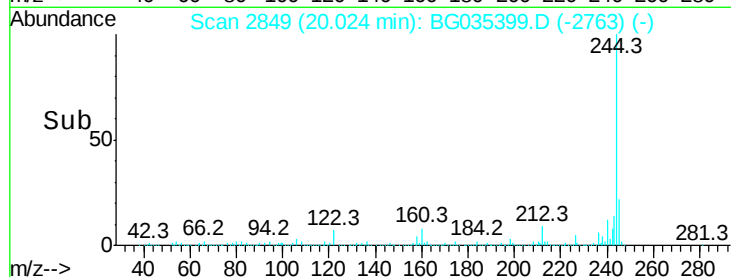
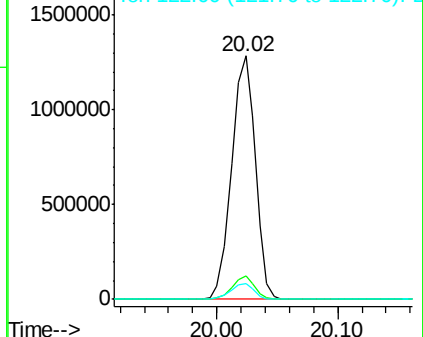
122 6.7 7.0 10.4#



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: 24.89 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035399.D

Acq: 26 Jun 2018 5:48

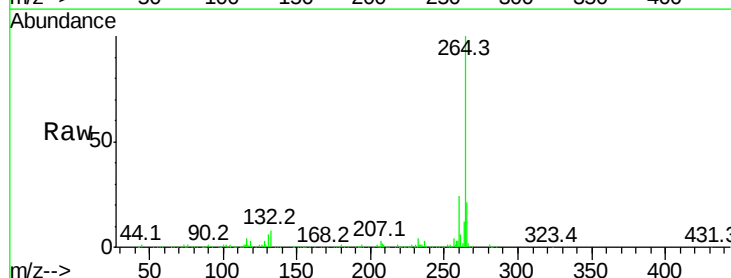
Tgt Ion:264 Resp: 358452

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.0 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

