

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035420.D
 Acq On : 26 Jun 2018 21:30
 Operator : JU/SJ
 Sample : J3668-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 02:55:10 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

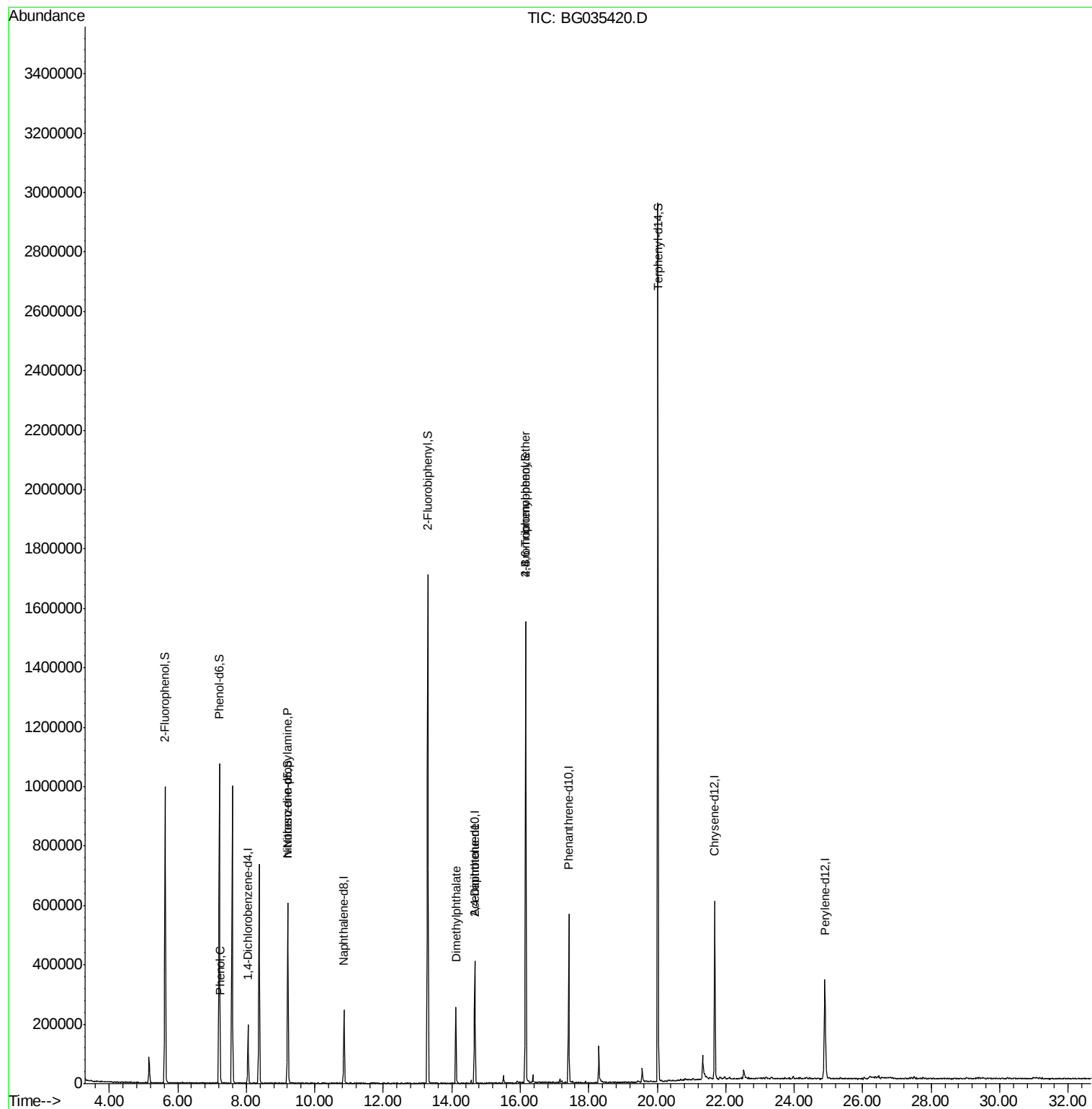
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54137	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	197603	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	142880	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	368076	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	388461	20.00	ng	-0.04
86) Perylene-d12	24.89	264	372257	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	434009	135.29	ng	-0.01
7) Phenol-d6	7.21	99	654124	138.16	ng	-0.01
23) Nitrobenzene-d5	9.21	82	411807	99.06	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	282159	154.27	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	913999	83.16	ng	-0.03
78) Terphenyl-d14	20.02	244	1475110	79.54	ng	-0.03
Target Compounds						
10) Phenol	7.24	94	11949	2.439	ng	98
19) n-Nitroso-di-n-propylamine	9.21	70	57236	14.229	ng	# 68
49) Dimethylphthalate	14.12	163	173301	13.909	ng	99
56) 2,4-Dinitrotoluene	14.67	165	19776	6.549	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	21189	4.780	ng	# 1

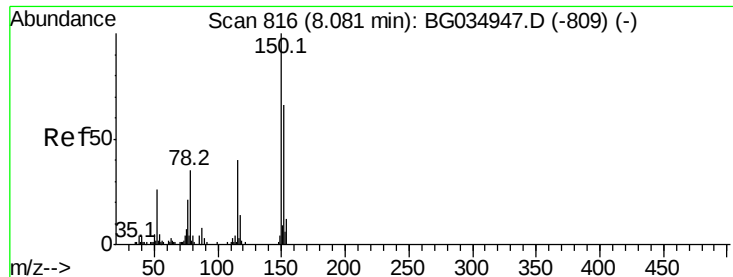
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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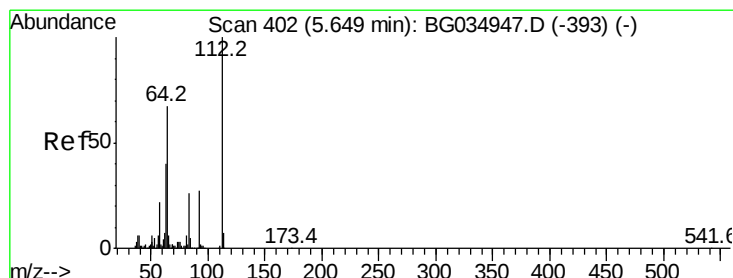
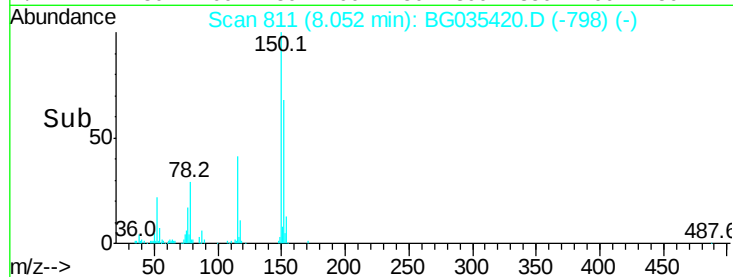
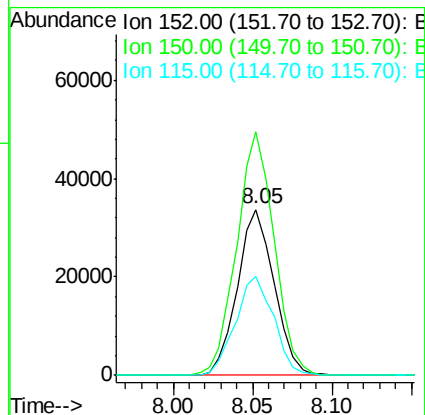
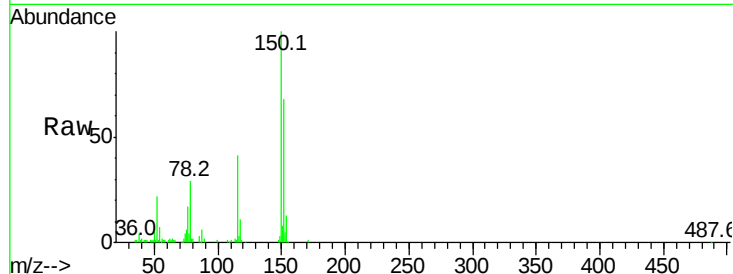


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035420.D
Acq: 26 Jun 2018 21:30

Instrument :
BNA_G
ClientSampleId :

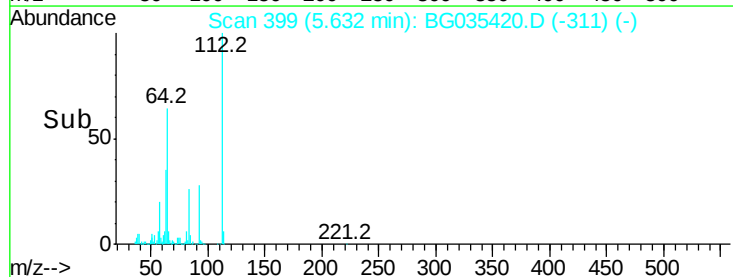
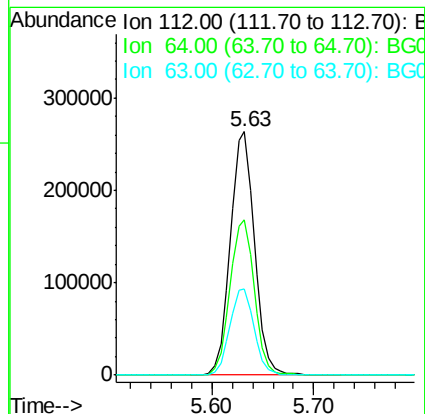
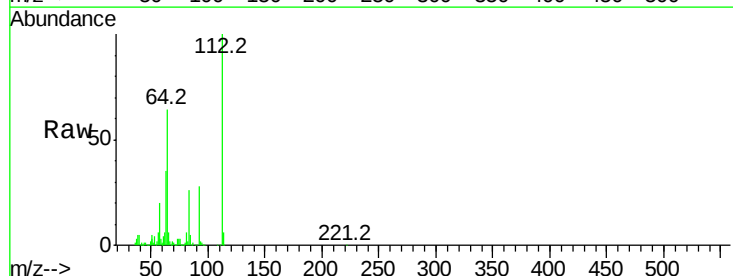
Tot Ion:152 Resp: 54137
Ion Ratio Lower Upper
152 100
150 146.7 126.6 189.8
115 59.5 53.0 79.4

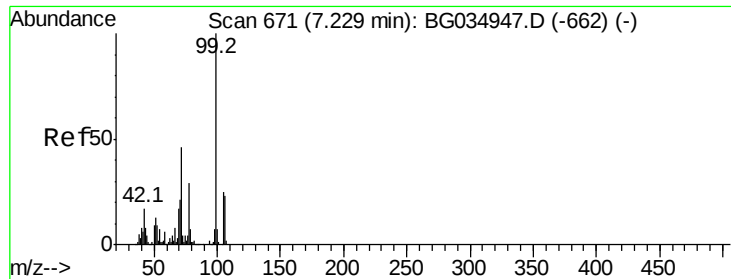


#5

2-Fluorophenol
Concen: 135.293 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035420.D
Acq: 26 Jun 2018 21:30

Tgt Ion:112 Resp: 434009
Ion Ratio Lower Upper
112 100
64 63.9 56.3 84.5
63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 138.156 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

Instrument :

BNA_G

ClientSampled :

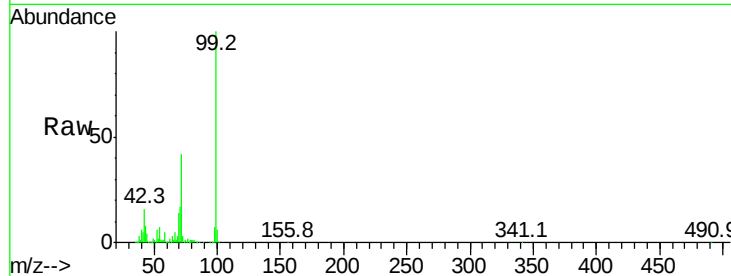
Tot Ion: 99 Resp: 654124

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

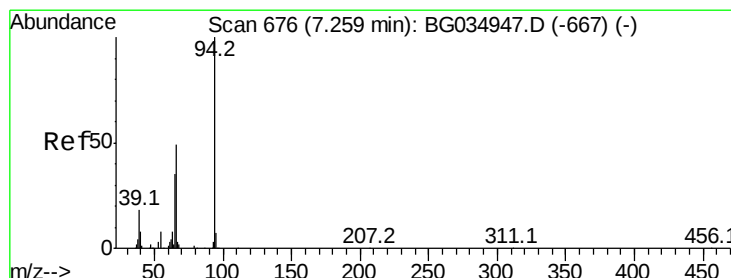
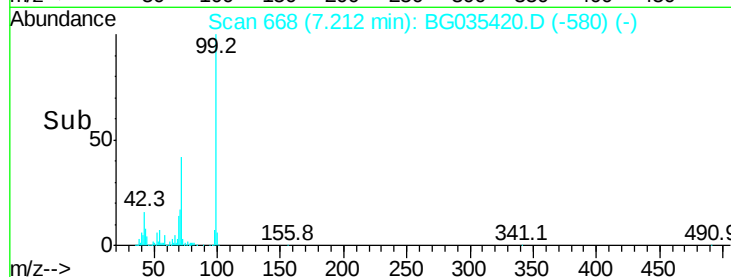
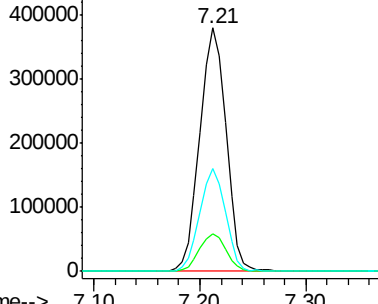
71 42.4 26.1 39.1#



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



#10

Phenol

Concen: 2.439 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

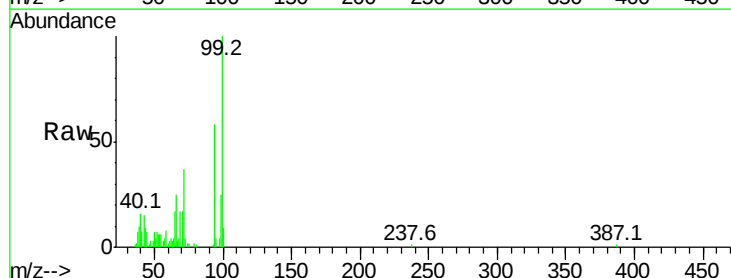
Tgt Ion: 94 Resp: 11949

Ion Ratio Lower Upper

94 100

65 29.4 11.9 51.9

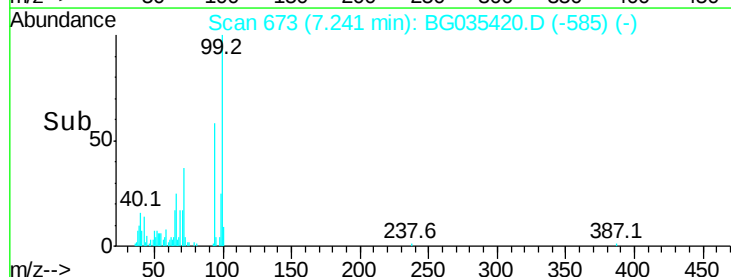
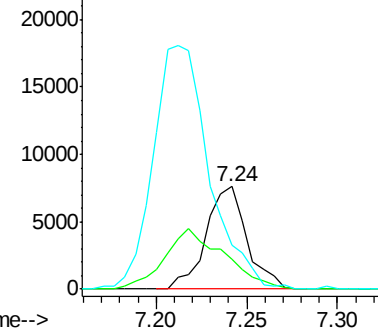
66 42.6 22.2 62.2

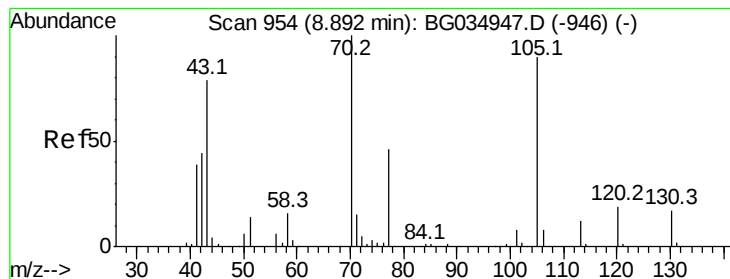


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.229 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 57236

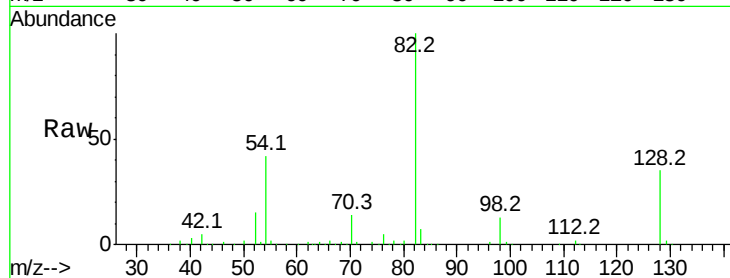
Ion Ratio Lower Upper

70 100

42 36.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

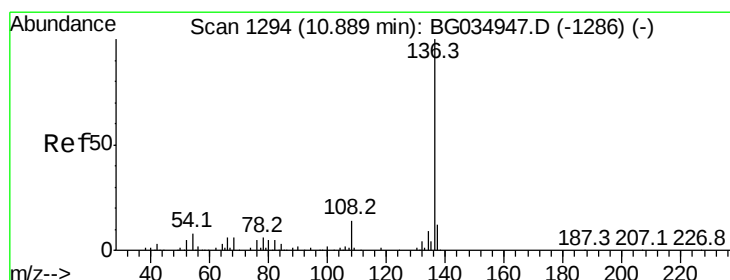
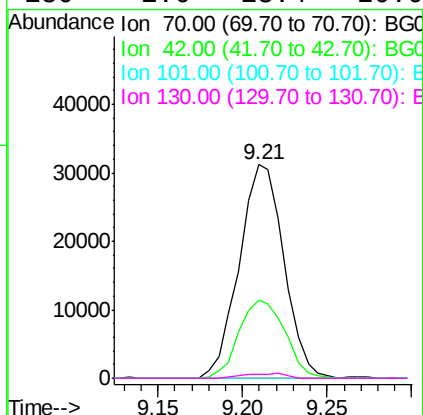
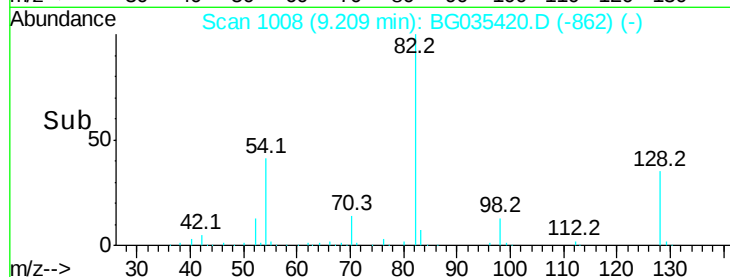


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG035420.D

Acq: 26 Jun 2018 21:30

Tgt Ion: 136 Resp: 197603

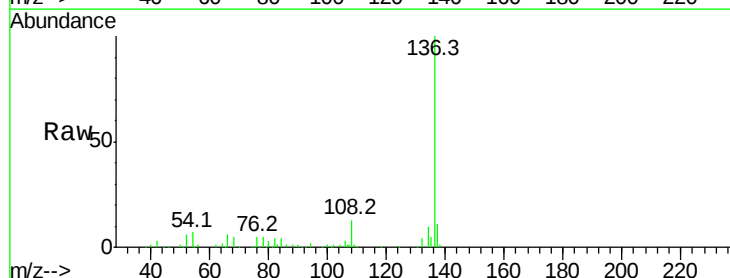
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 6.9 10.3 15.5#

68 5.4 4.5 6.7

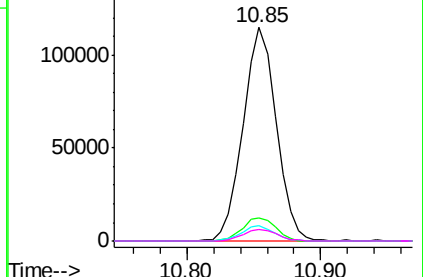
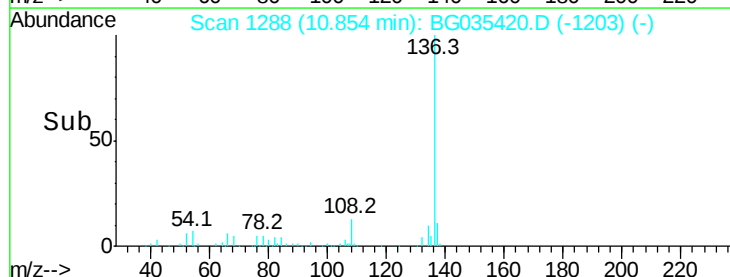


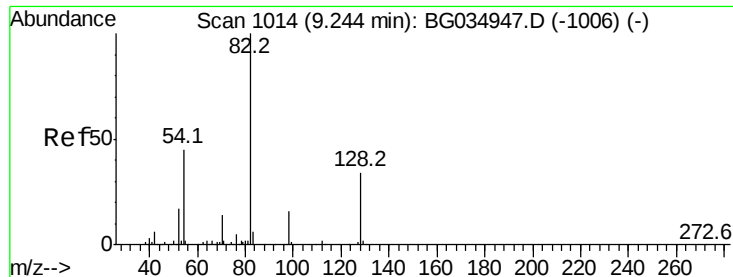
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

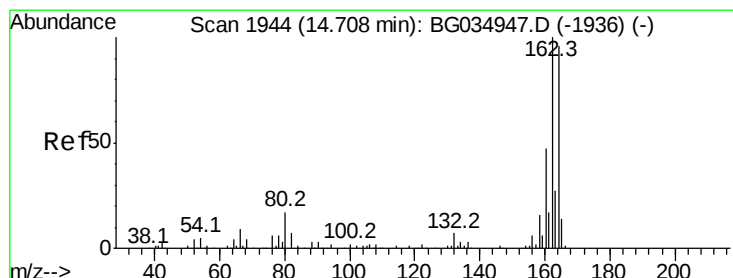
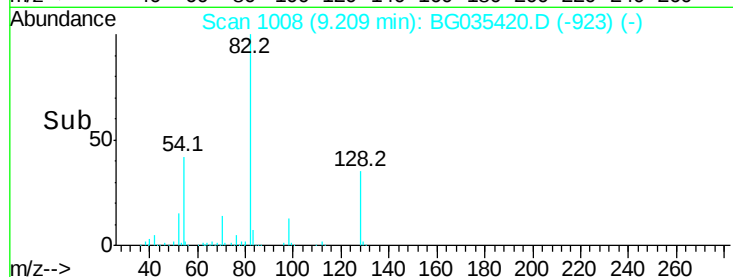
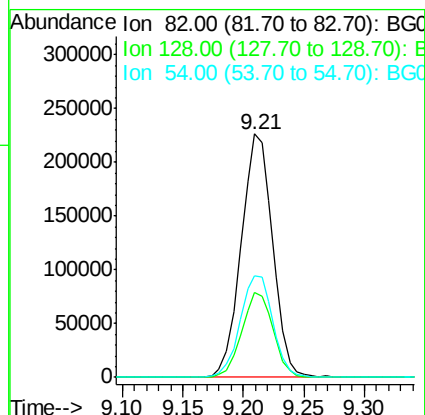
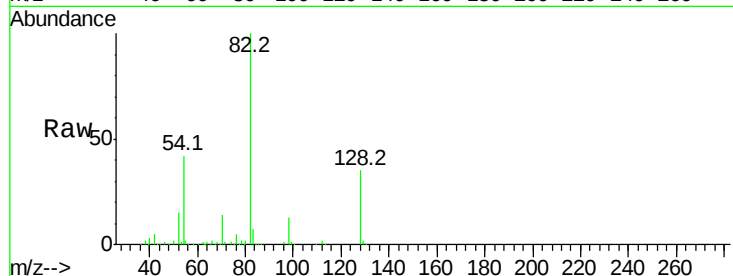




#23
Nitrobenzene-d5
Concen: 99.062 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035420.D
Acq: 26 Jun 2018 21:30

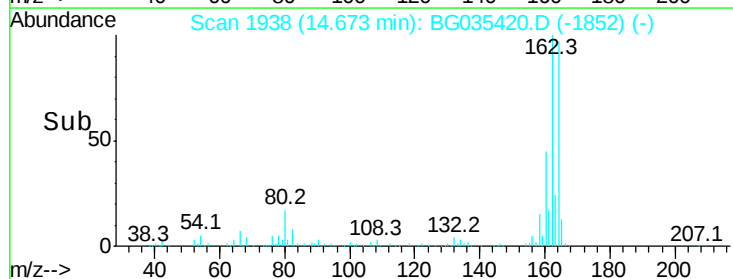
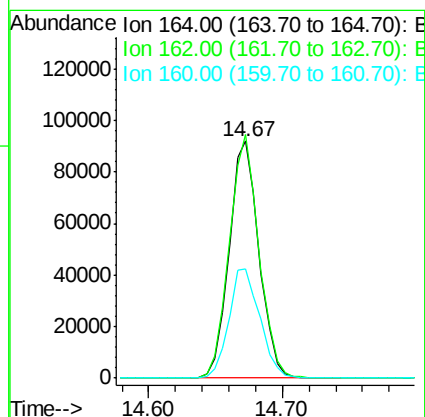
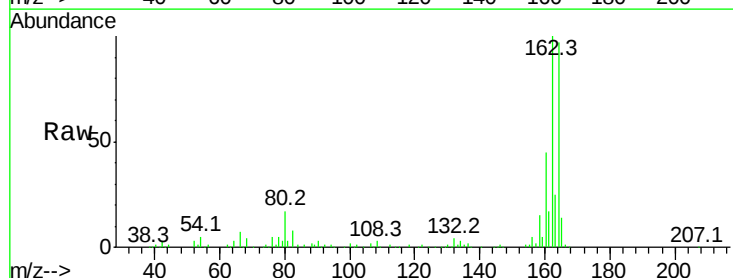
Instrument :
BNA_G
ClientSampleId :

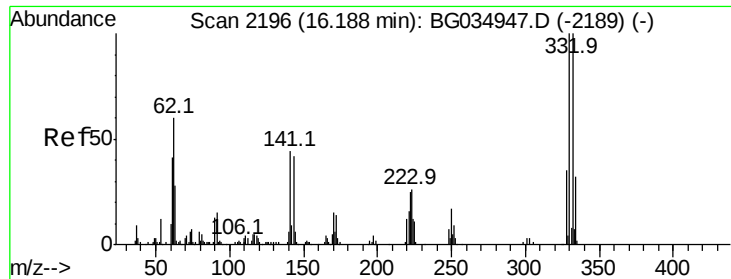
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.9	29.7	44.5
54	41.9	43.1	64.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035420.D
Acq: 26 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	78.8	118.2
160	45.9	35.4	53.0

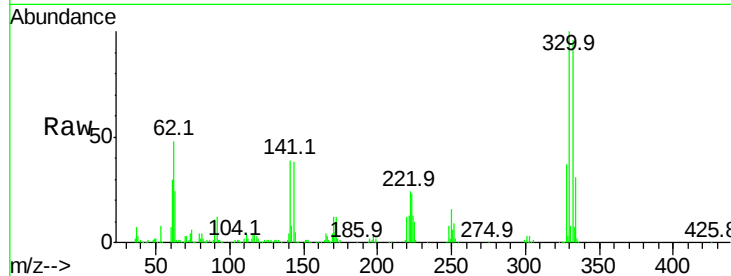




#41
 2,4,6-Tribromophenol
 Concen: 154.266 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BG035420.D
 Acq: 26 Jun 2018 21:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	37.5	25.2	37.8

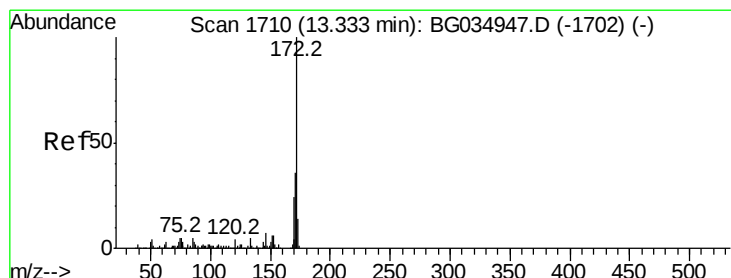
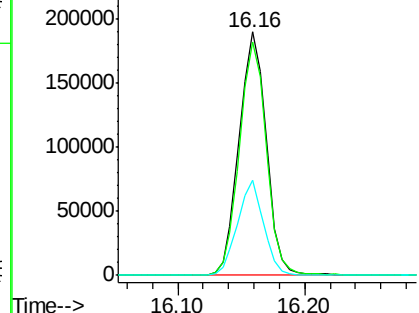
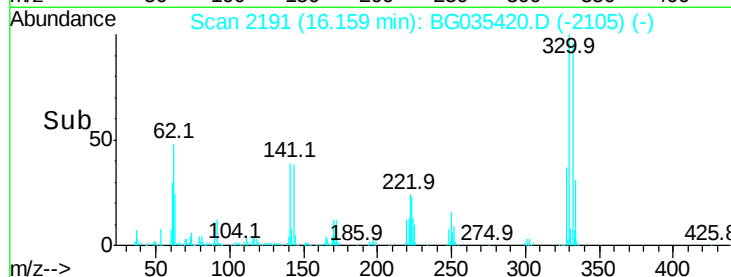


Abundance

Ion 329.80 (329.50 to 330.50): E

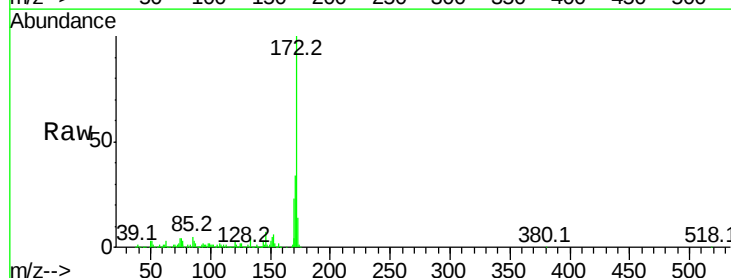
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.160 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035420.D
 Acq: 26 Jun 2018 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	23.4	19.5	29.3

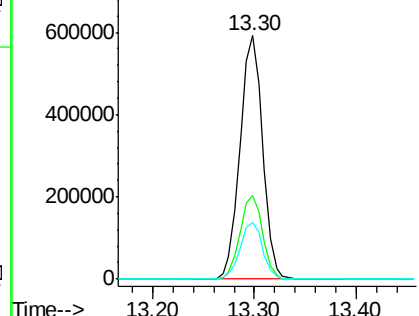
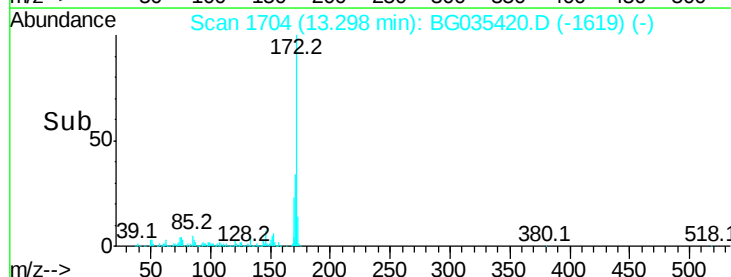


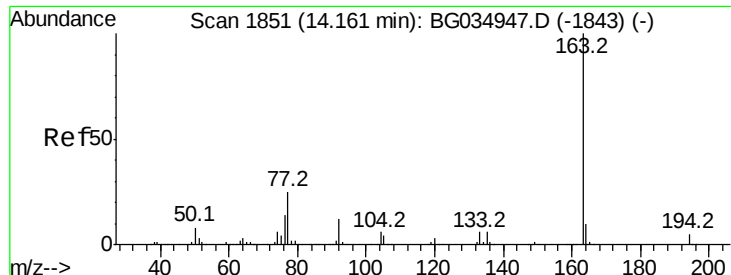
Abundance

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: 13.909 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.04 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

Instrument :

BNA_G

ClientSampleId :

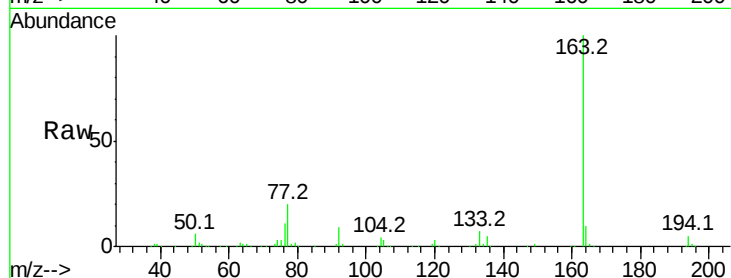
Tot Ion:163 Resp: 173301

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

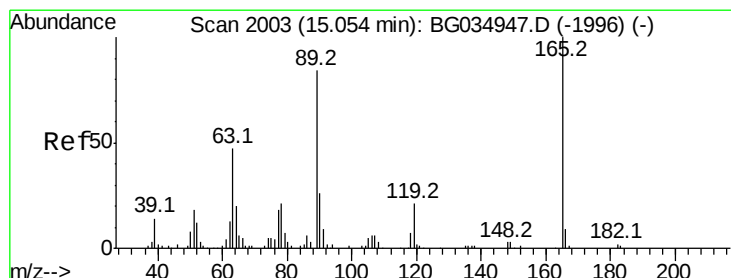
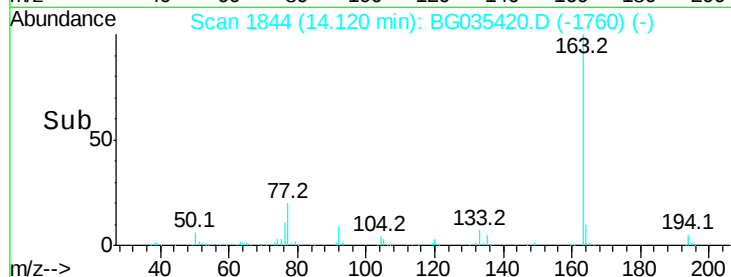
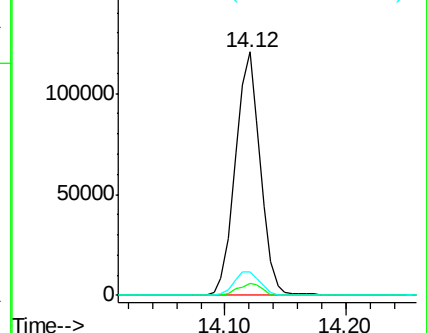
164 9.9 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.549 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

Tgt Ion:165 Resp: 19776

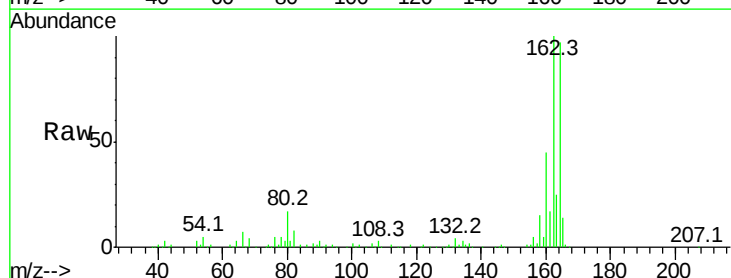
Ion Ratio Lower Upper

165 100

63 1.8 42.0 63.0#

89 3.7 66.9 100.3#

182 0.0 2.6 3.8#

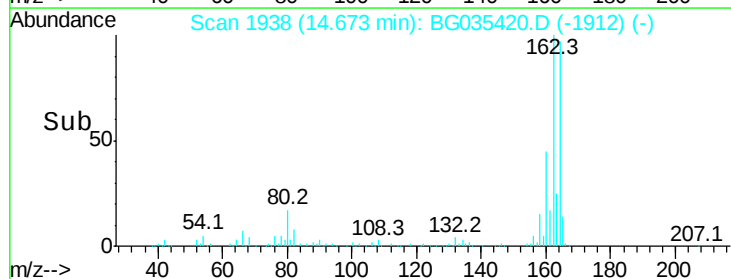
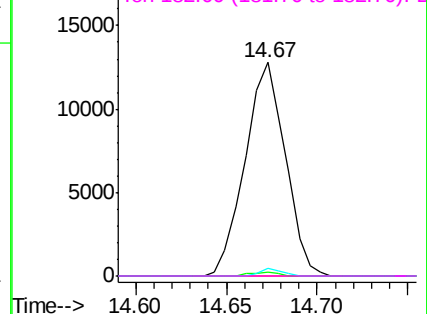


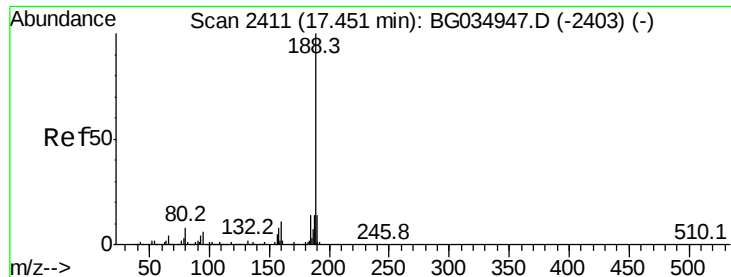
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035420.D

Acq: 26 Jun 2018 21:30

Instrument :

BNA_G

ClientSampleId :

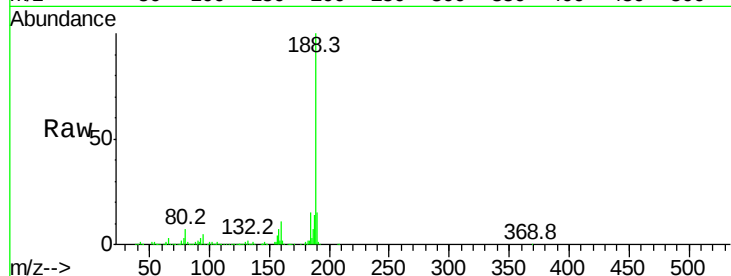
Tot Ion:188 Resp: 368076

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

80 7.2 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

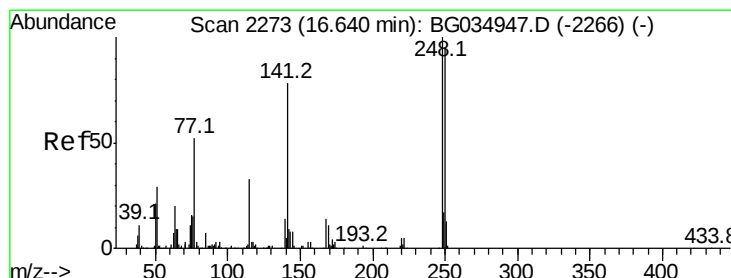
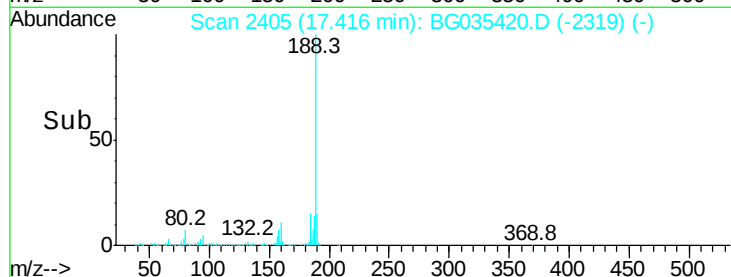
50000

0

17.42

17.40 17.50

Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.780 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

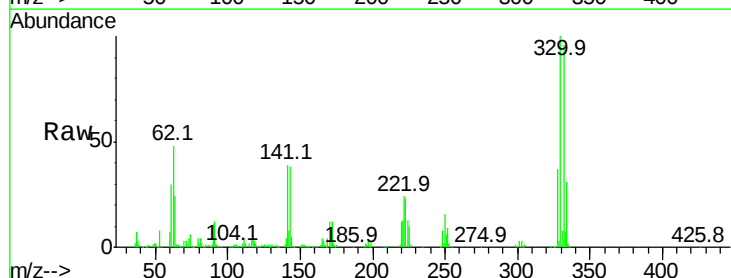
Tgt Ion:248 Resp: 21189

Ion Ratio Lower Upper

248 100

250 204.3 77.1 115.7#

141 509.2 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

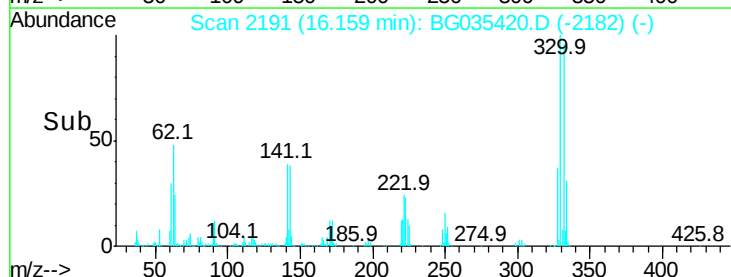
20000

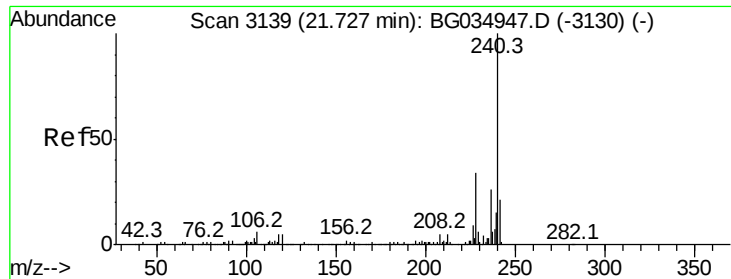
0

16.16

16.10 16.20

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3130

Delta R.T. -0.04 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

Instrument :

BNA_G

ClientSampleId :

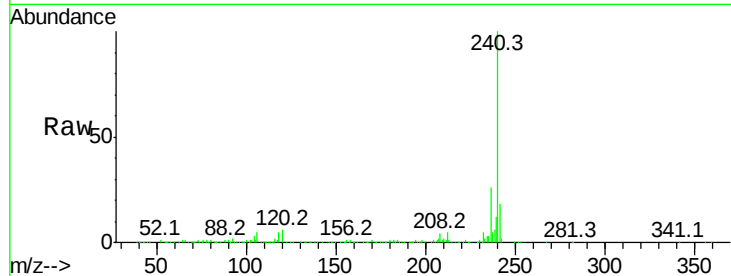
Tot Ion:240 Resp: 388461

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

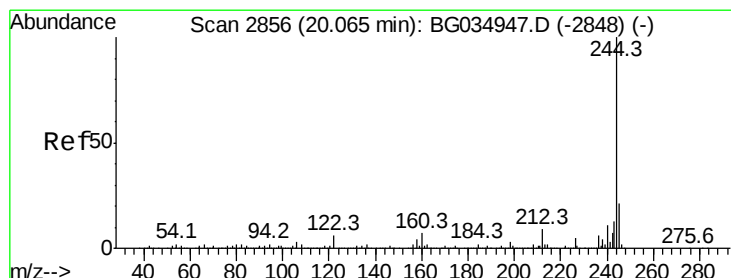
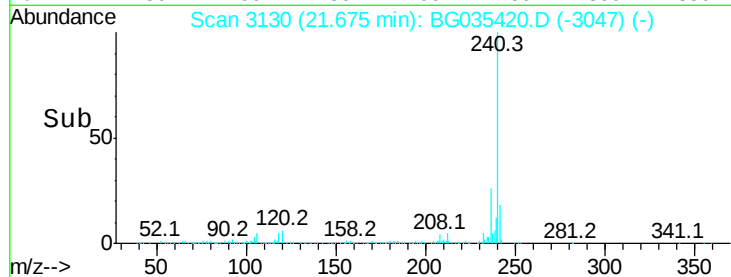
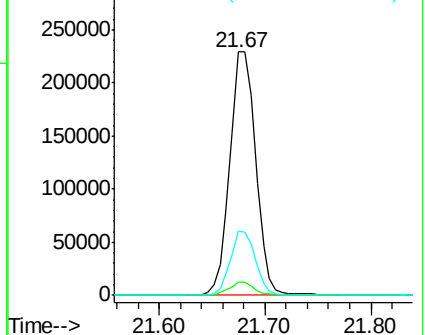
236 26.3 20.9 31.3



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: 79.541 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035420.D

Acq: 26 Jun 2018 21:30

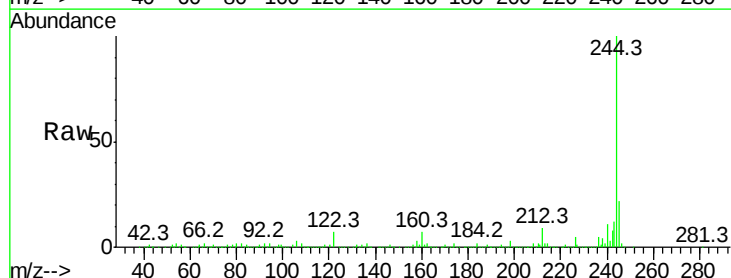
Tgt Ion:244 Resp: 1475110

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

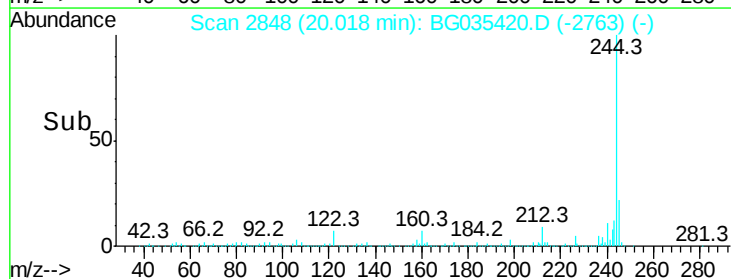
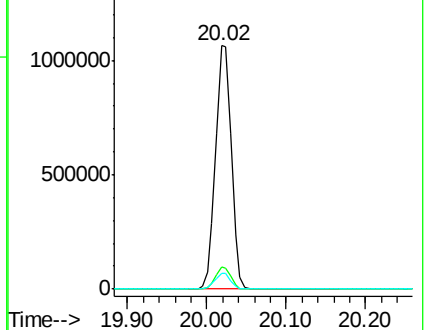
122 6.6 7.0 10.4#

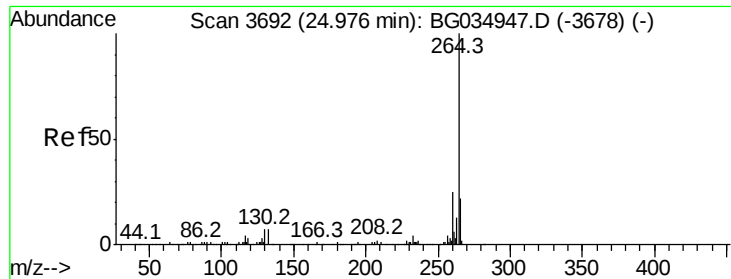


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3678
 Delta R.T. -0.06 min
 Lab File: BG035420.D
 Acq: 26 Jun 2018 21:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	23.4	17.7	26.5

