

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035284.D
 Acq On : 21 Jun 2018 4:00
 Operator : SJ/JU
 Sample : J3245-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 06:56:19 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

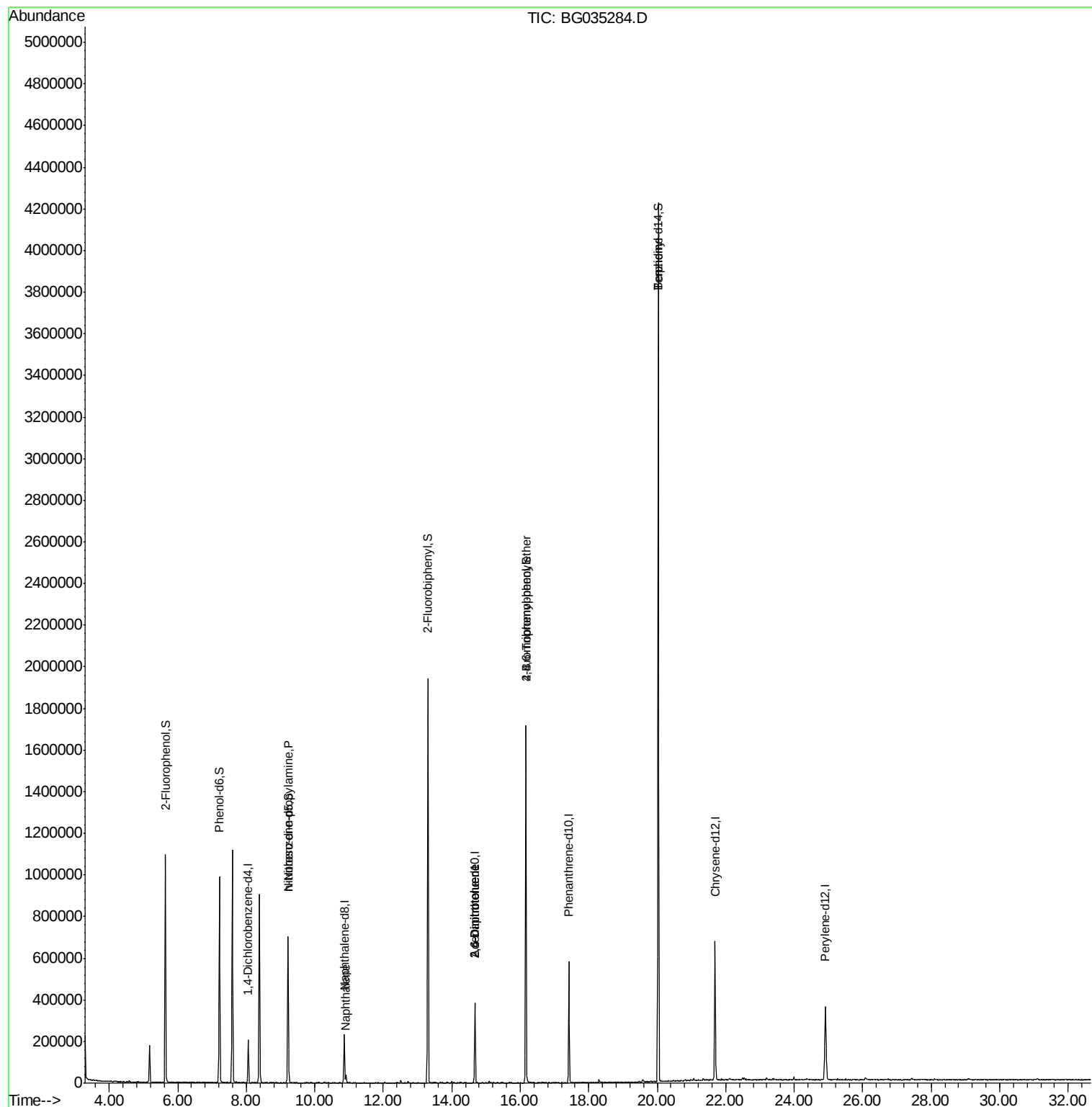
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59312	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	195990	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	133705	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	364245	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	411495	20.00	ng	-0.03
86) Perylene-d12	24.91	264	384084	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	472914	134.56	ng	0.00
7) Phenol-d6	7.22	99	601694	115.99	ng	0.00
23) Nitrobenzene-d5	9.22	82	479563	116.31	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	319441	186.63	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1047138	101.81	ng	-0.02
78) Terphenyl-d14	20.03	244	1906247	97.04	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	65738	14.917	ng	# 66
31) Naphthalene	10.91	128	29531	2.900	ng	# 89
50) 2,6-Dinitrotoluene	14.68	165	18113	8.515	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	18113	6.410	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	26000	5.927	ng	# 1
76) Benzidine	20.03	184	31993	2.090	ng	# 96

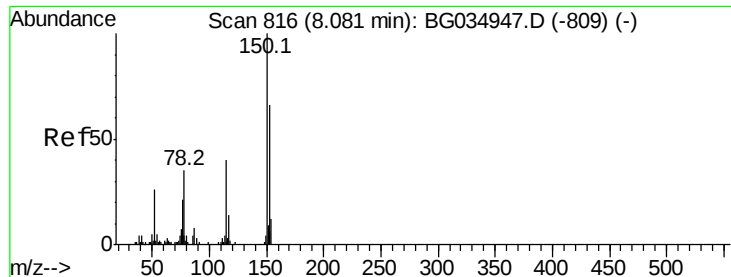
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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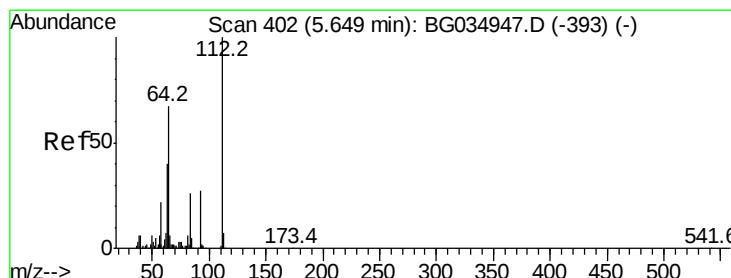
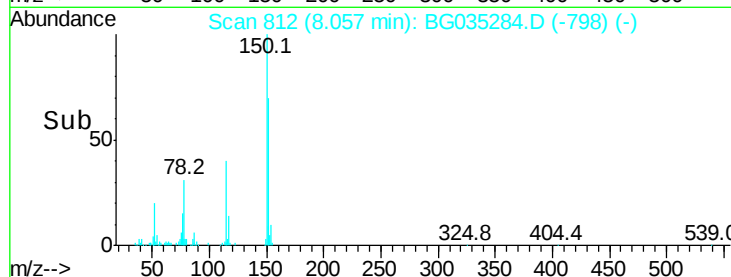
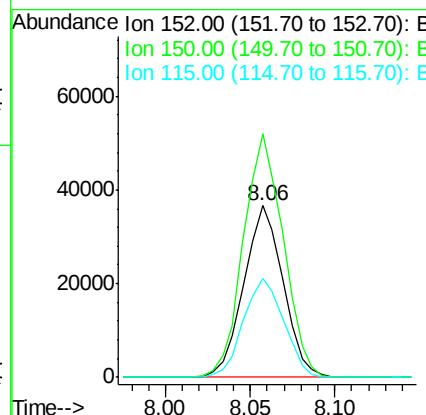
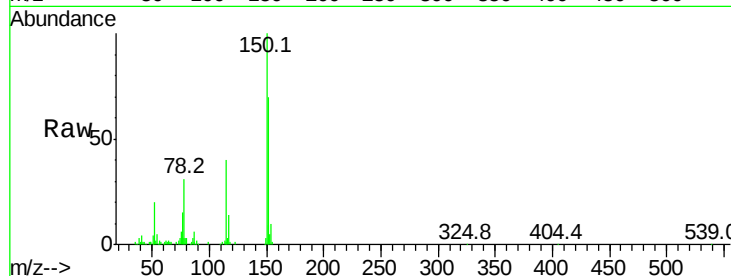


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

Instrument :
 BNA_G
 ClientSampleId :

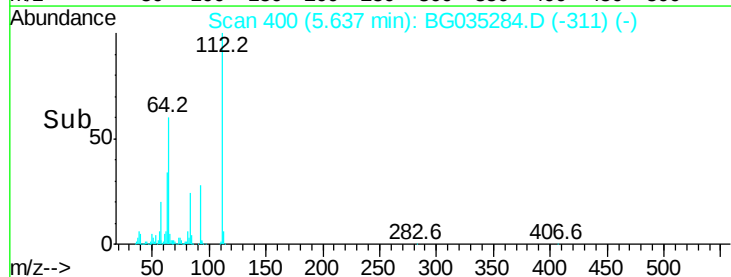
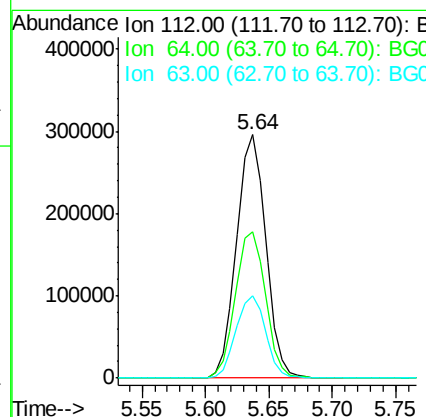
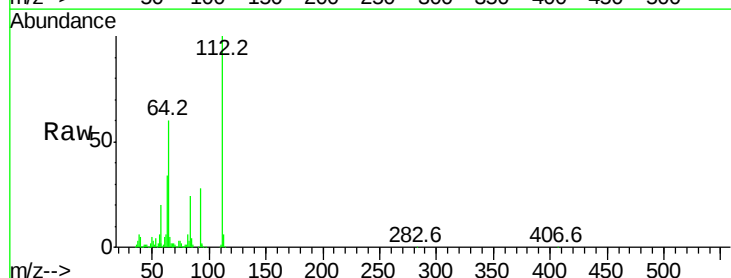
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.9	126.6	189.8
115	57.4	53.0	79.4

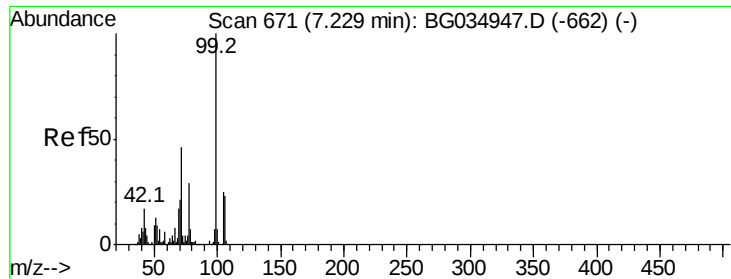


#5

2-Fluorophenol
 Concen: 134.558 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	56.3	84.5
63	34.1	30.1	45.1





#7

Phenol-d6

Concen: 115.994 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

Instrument :

BNA_G

ClientSampleId :

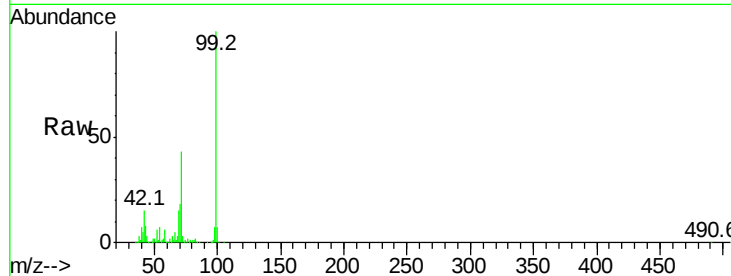
Tot Ion: 99 Resp: 601694

Ion Ratio Lower Upper

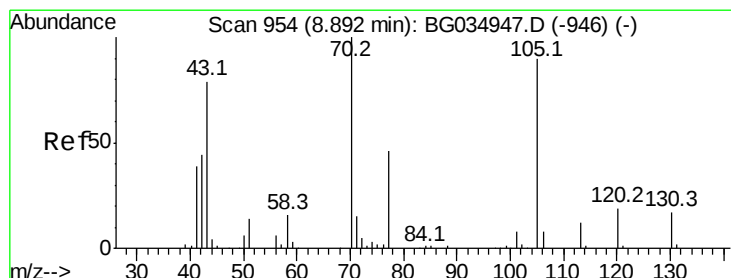
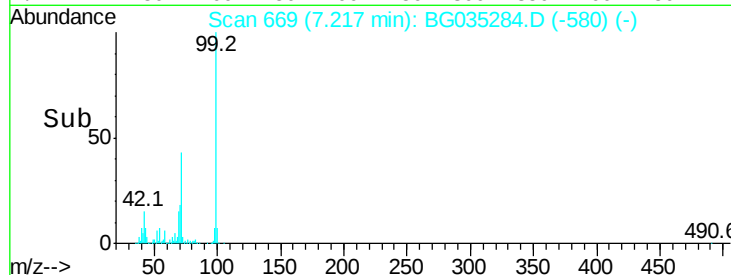
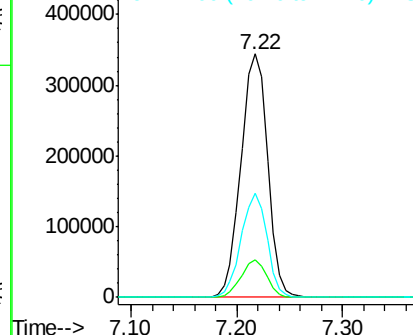
99 100

42 15.5 14.1 21.1

71 42.6 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: 14.917 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

Tgt Ion: 70 Resp: 65738

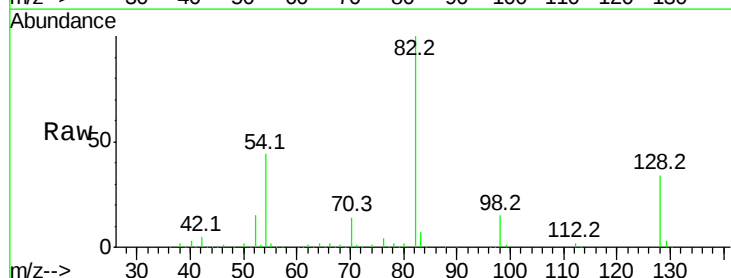
Ion Ratio Lower Upper

70 100

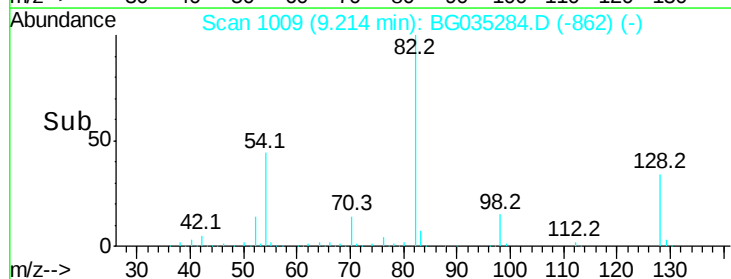
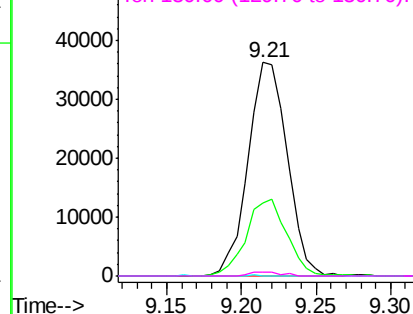
42 34.5 49.1 73.7#

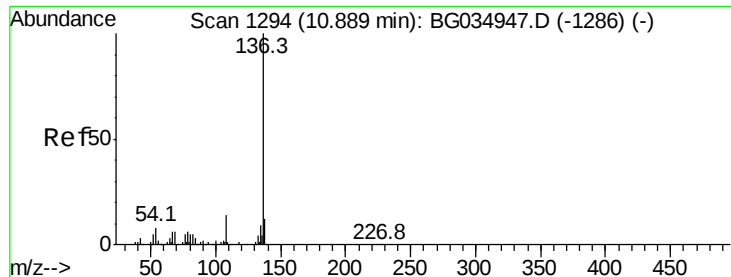
101 0.0 8.5 12.7#

130 1.9 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

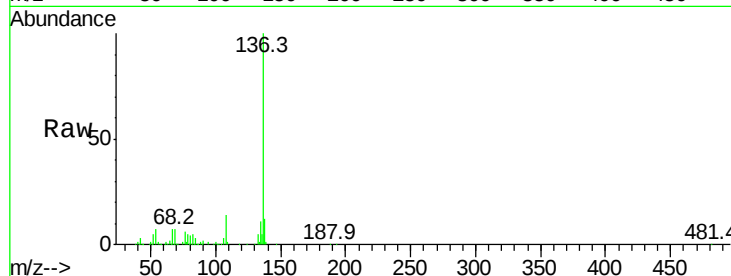




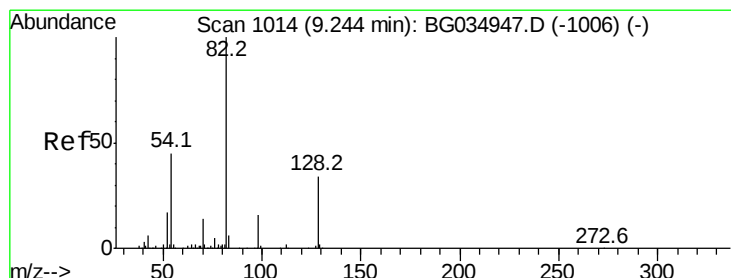
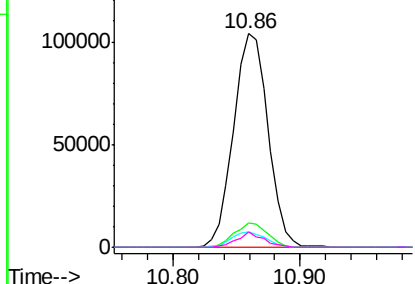
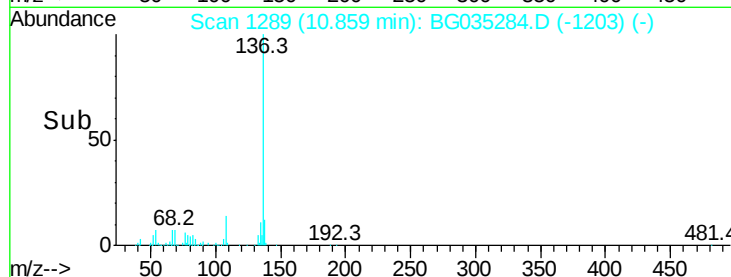
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035284.D
Acq: 21 Jun 2018 4:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	195990
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	7.2	10.3	15.5#
68	7.0	4.5	6.7#

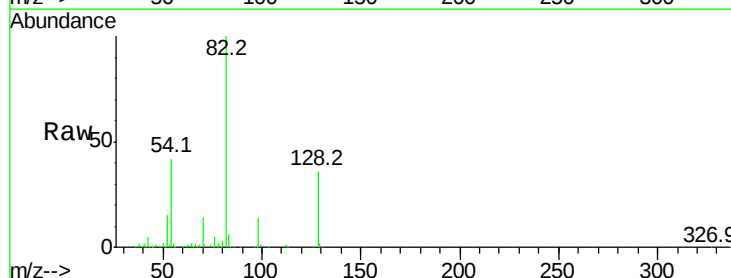


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

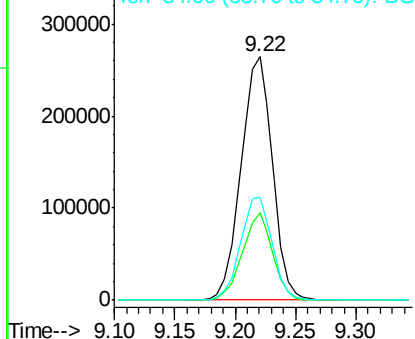
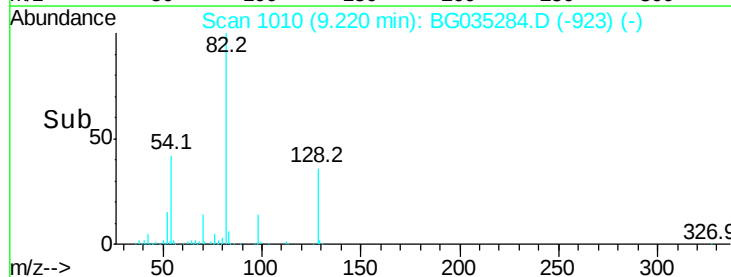


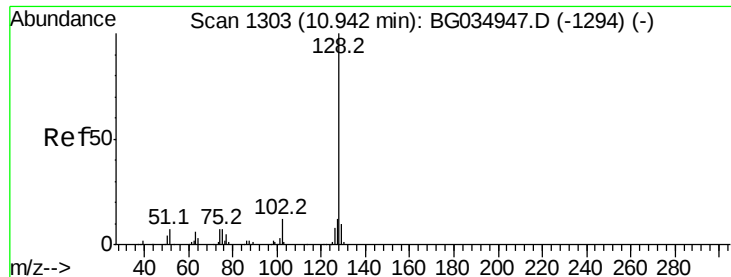
#23
Nitrobenzene-d5
Concen: 116.311 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035284.D
Acq: 21 Jun 2018 4:00

Tgt Ion:	82	Resp:	479563
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	42.0	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

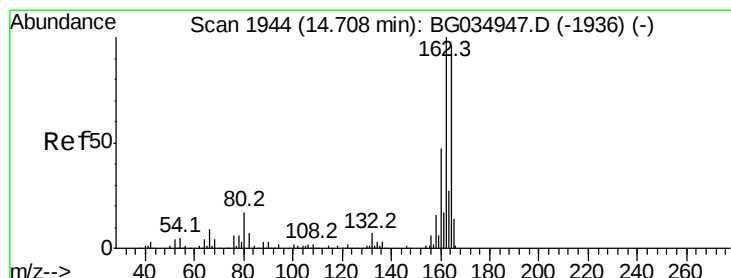
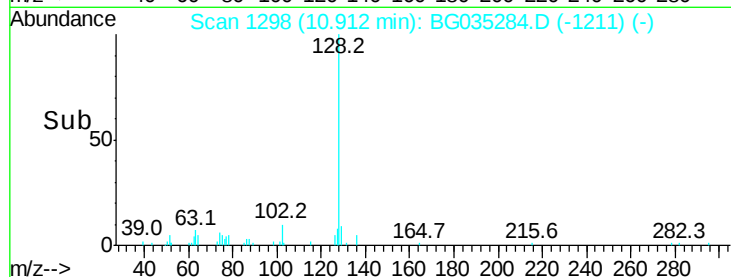
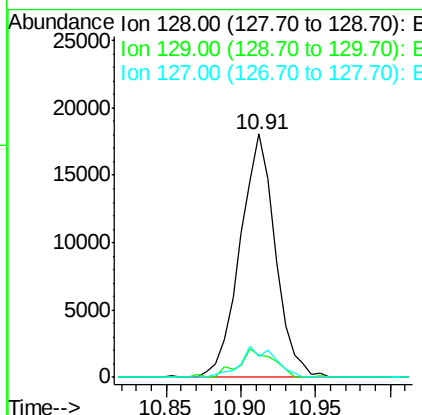
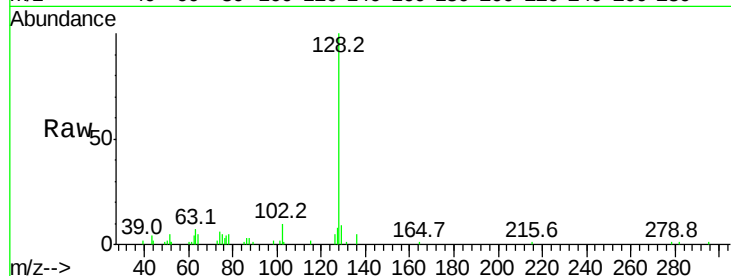




#31
Naphthalene
Concen: 2.900 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BG035284.D
Acq: 21 Jun 2018 4:00

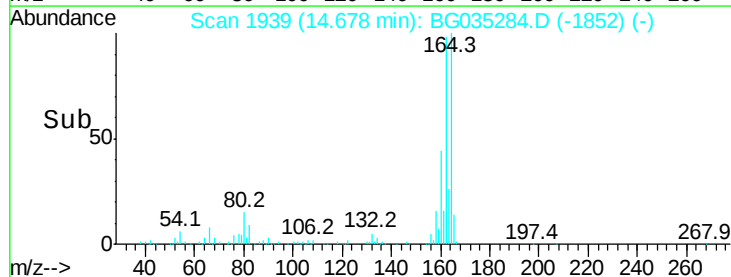
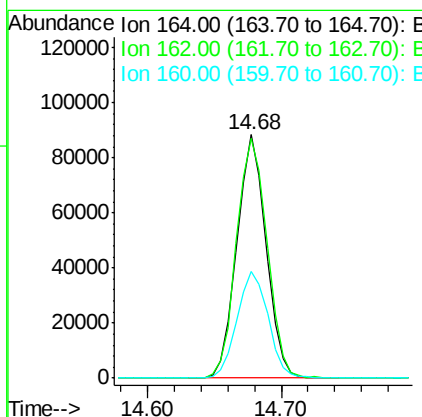
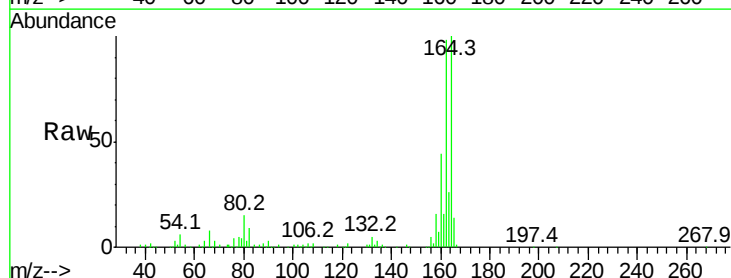
Instrument :
BNA_G
ClientSampleId :

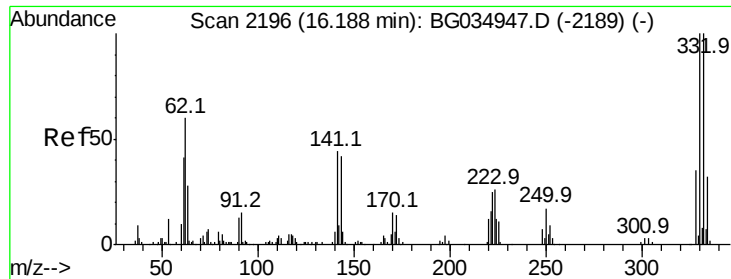
Tot Ion	Ratio	Lower	Upper
128	100		
129	8.9	8.6	12.8
127	8.3	11.6	17.4#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.02 min
Lab File: BG035284.D
Acq: 21 Jun 2018 4:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.8	118.2
160	43.7	35.4	53.0

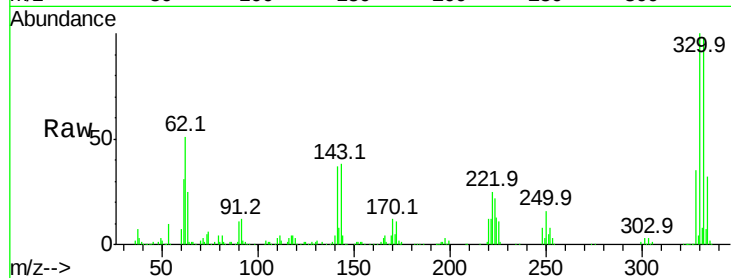




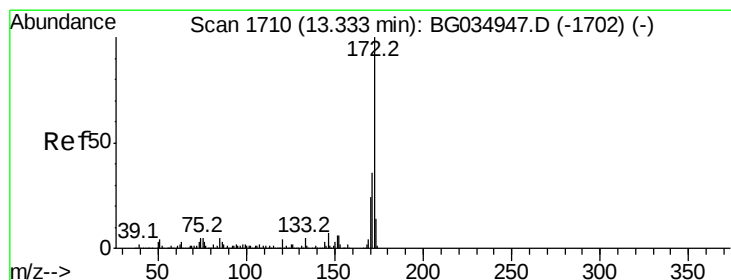
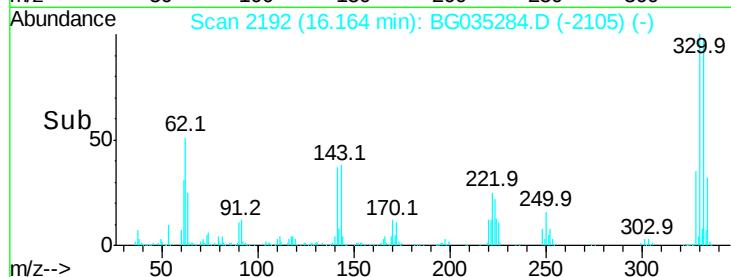
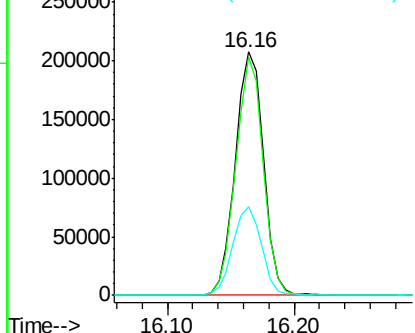
#41
 2,4,6-Tribromophenol
 Concen: 186.634 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 319441
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 37.0 25.2 37.8

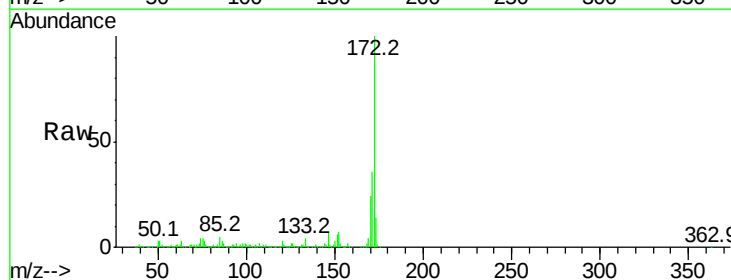


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

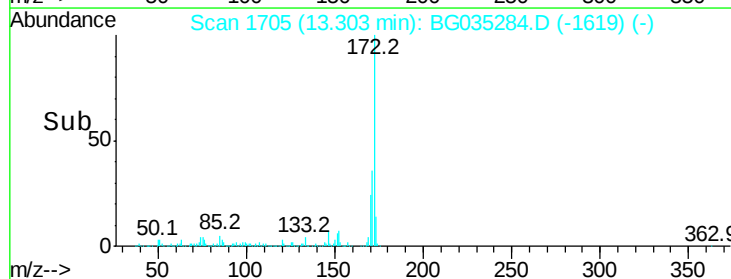
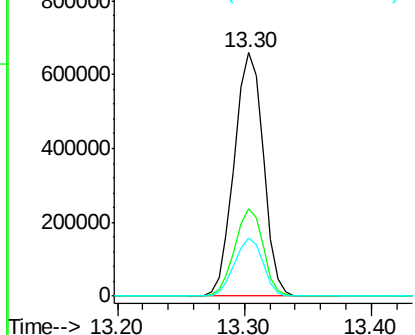


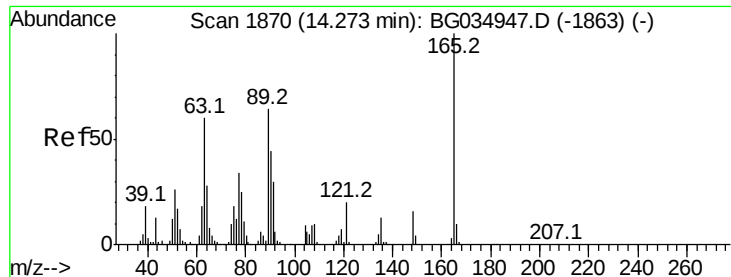
#44
 2-Fluorobiphenyl
 Concen: 101.812 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

Tgt Ion:172 Resp: 1047138
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.0 45.0
 170 24.1 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

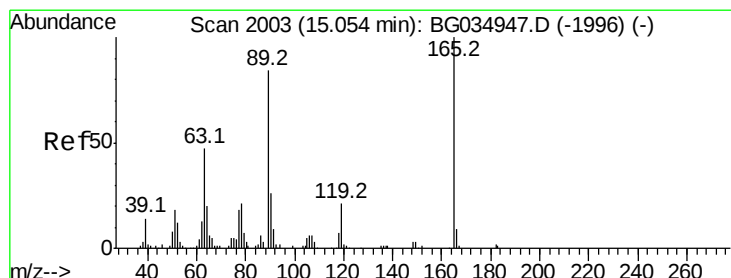
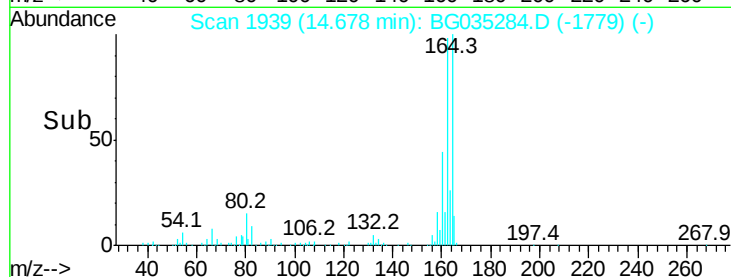
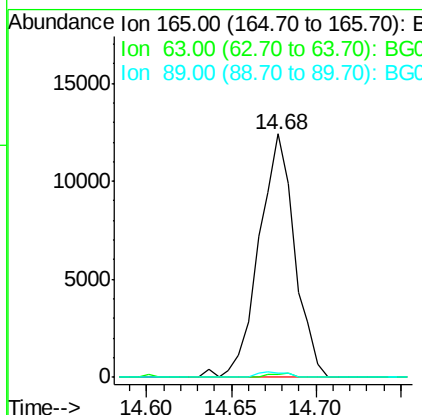
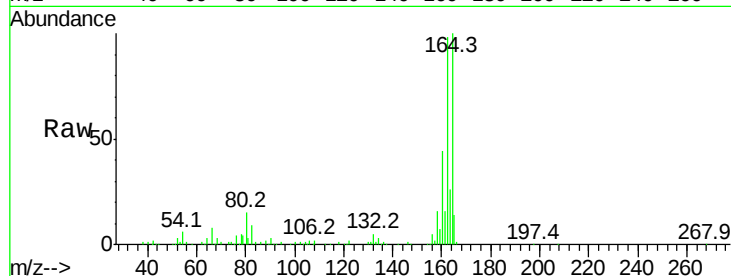




#50
 2,6-Dinitrotoluene
 Concen: 8.515 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

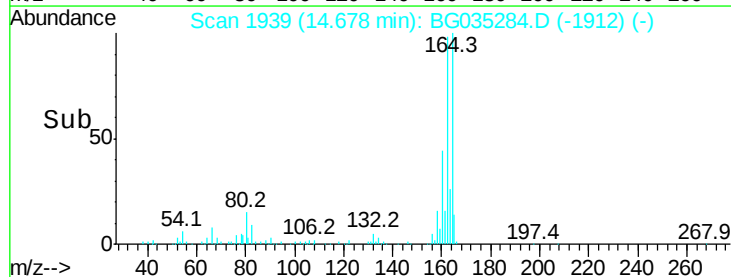
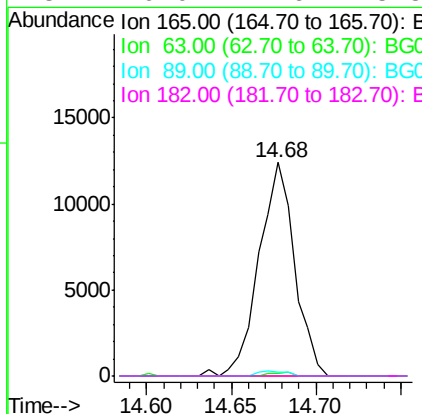
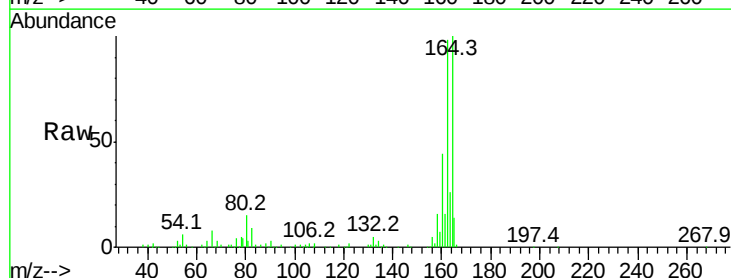
Instrument :
 BNA_G
 ClientSampleId :

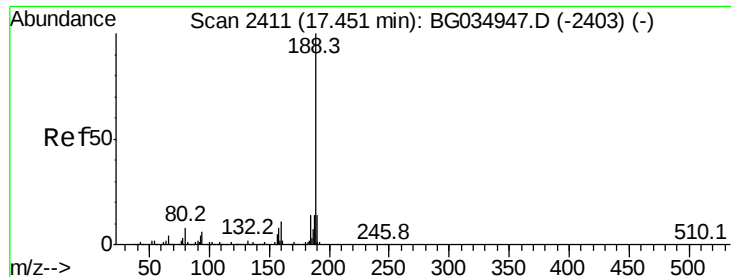
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	52.7	79.1#
89	1.6	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.410 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035284.D
 Acq: 21 Jun 2018 4:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	1.6	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

Instrument :

BNA_G

ClientSampleId :

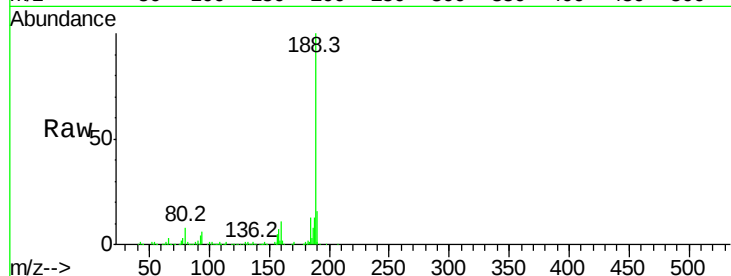
Tot Ion:188 Resp: 364245

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

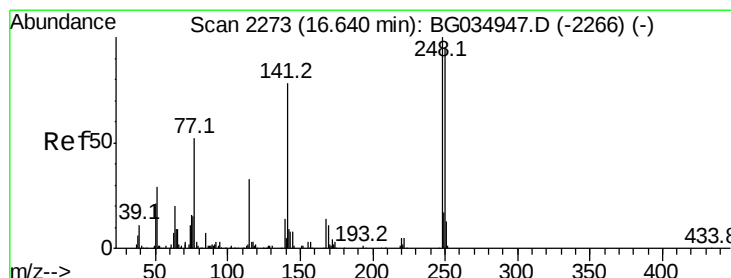
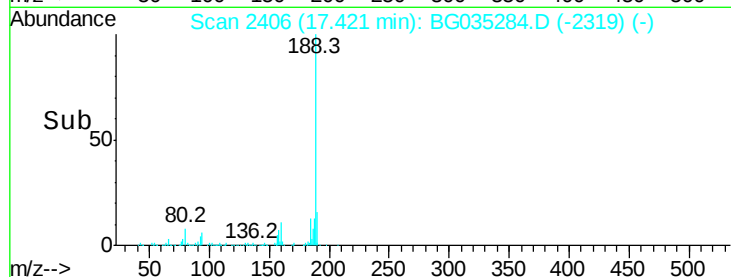
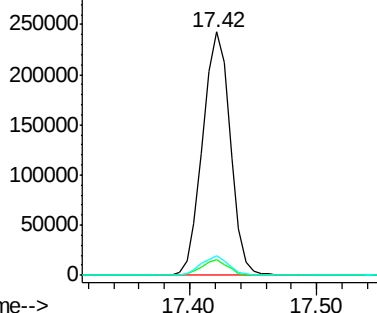
80 7.9 7.7 11.5



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: 5.927 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

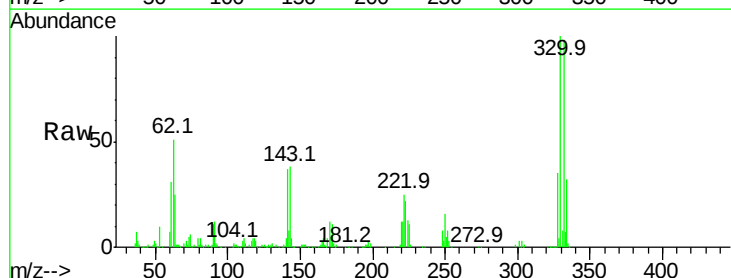
Tgt Ion:248 Resp: 26000

Ion Ratio Lower Upper

248 100

250 213.7 77.1 115.7#

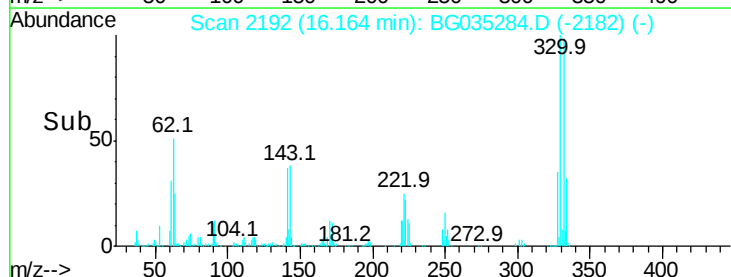
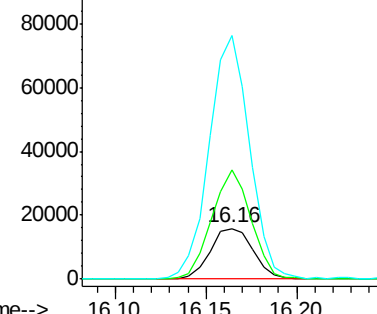
141 478.0 50.8 76.2#

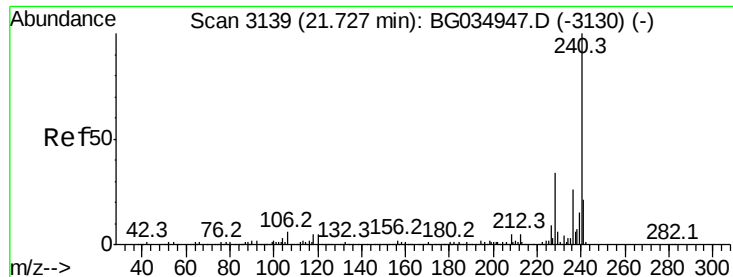


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

Instrument :

BNA_G

ClientSampleId :

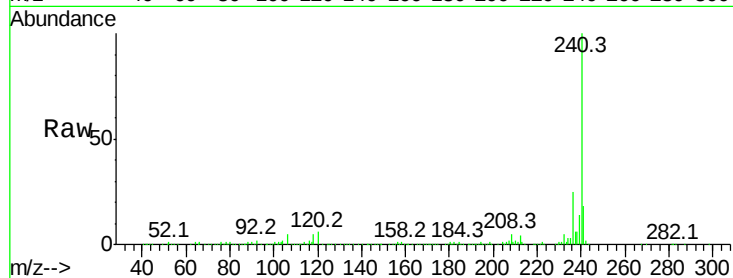
Tot Ion:240 Resp: 411495

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

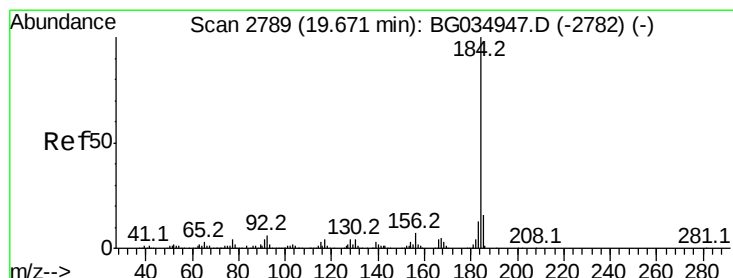
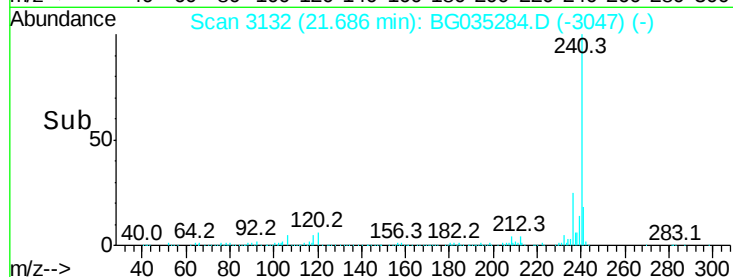
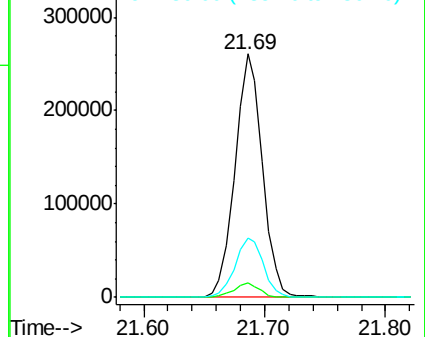
236 24.6 20.9 31.3



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: 2.090 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

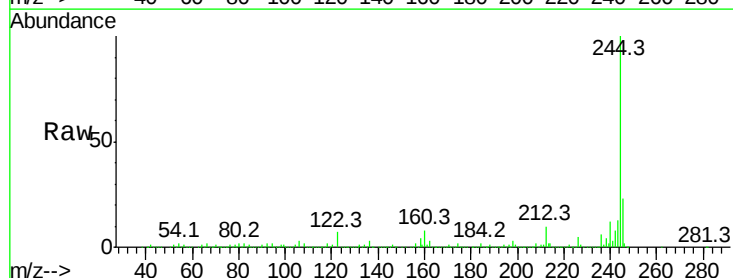
Tgt Ion:184 Resp: 31993

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

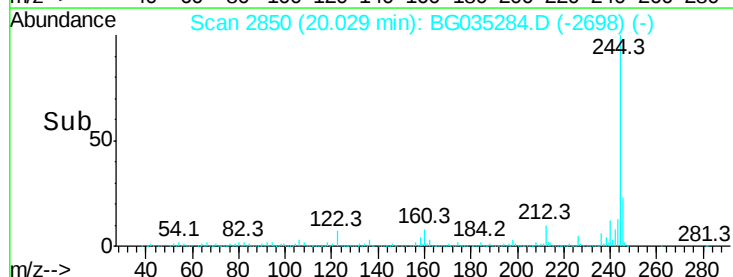
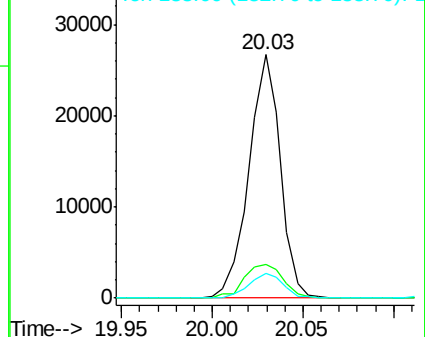
183 10.3 10.6 16.0#

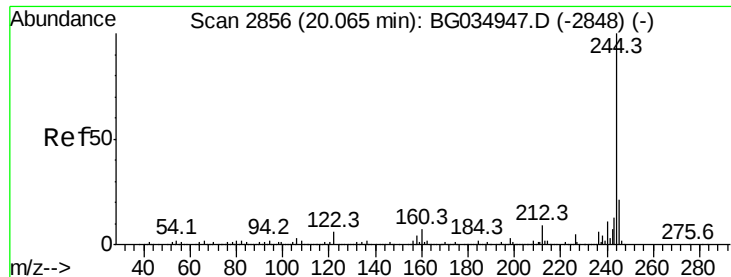


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.036 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

Instrument :

BNA_G

ClientSampleId :

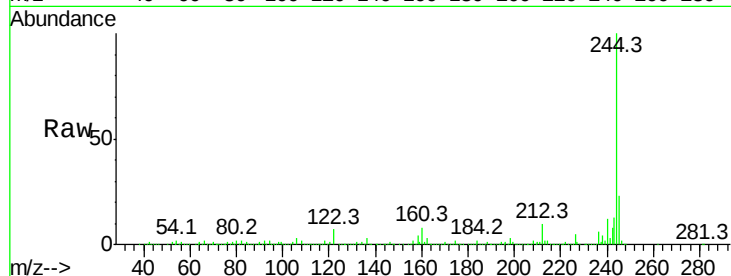
Tot Ion:244 Resp: 1906247

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

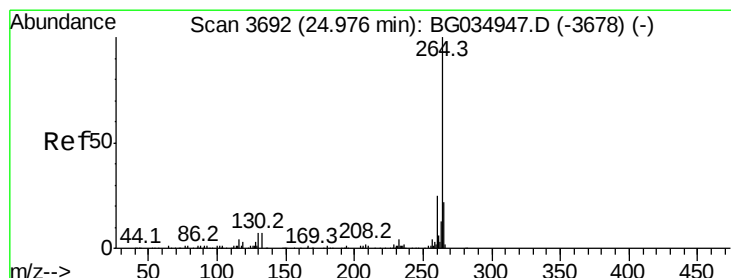
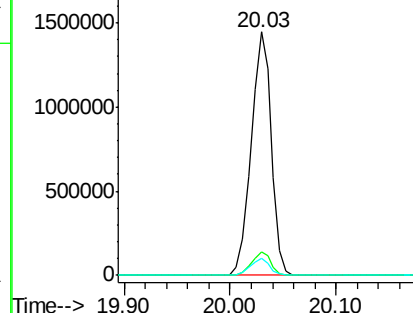
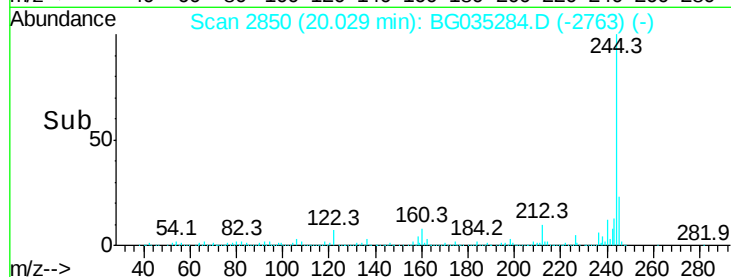
122 7.0 7.0 10.4



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: 24.91 min Scan# 3681

Delta R.T. -0.04 min

Lab File: BG035284.D

Acq: 21 Jun 2018 4:00

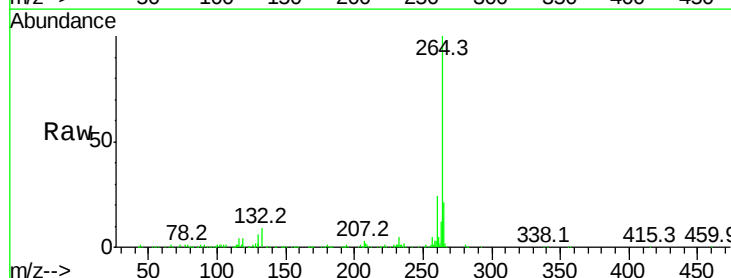
Tgt Ion:264 Resp: 384084

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.4 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

