

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061818\
 Data File : BG035232.D
 Acq On : 19 Jun 2018 1:01
 Operator : SJ/JU
 Sample : PB110293TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 07:19:25 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

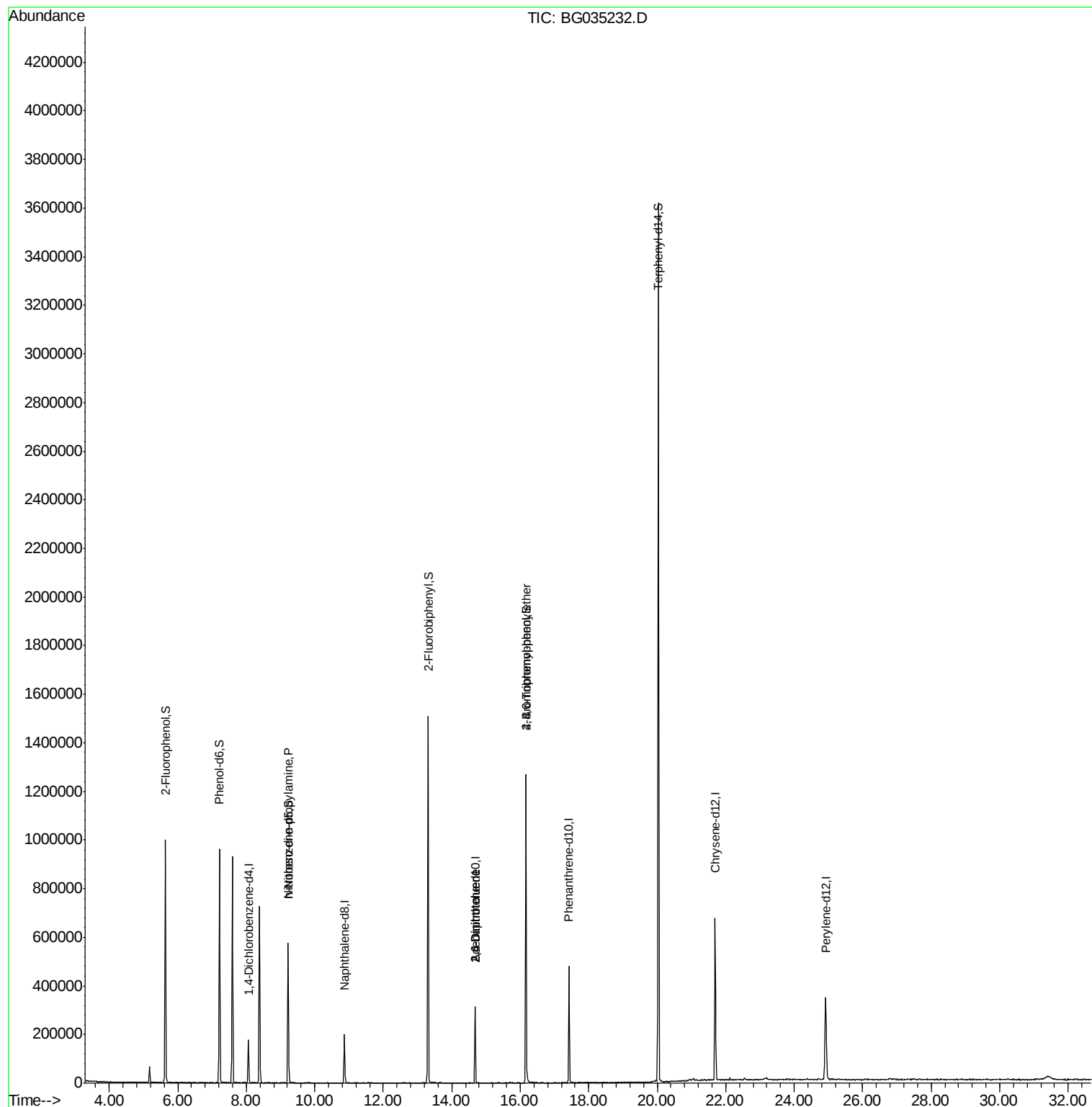
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	49802	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	169595	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	112111	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	316909	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	425895	20.00	ng	-0.02
86) Perylene-d12	24.92	264	396953	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	414584	140.49	ng	0.00
7) Phenol-d6	7.22	99	574066	131.80	ng	0.00
23) Nitrobenzene-d5	9.22	82	375029	105.11	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	248445	173.11	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	827902	96.00	ng	-0.02
78) Terphenyl-d14	20.03	244	1789519	88.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50726	13.708	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	15263	8.558	ng	# 18
56) 2,4-Dinitrotoluene	14.68	165	15263	6.442	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	19022	4.984	ng	# 1

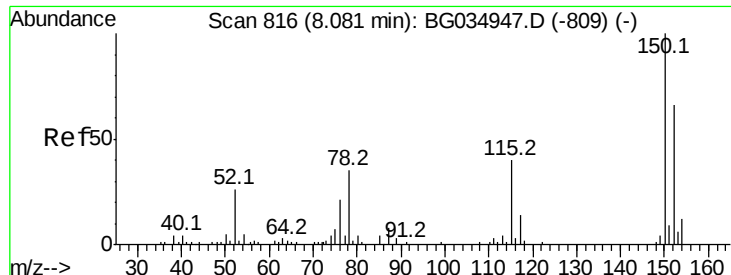
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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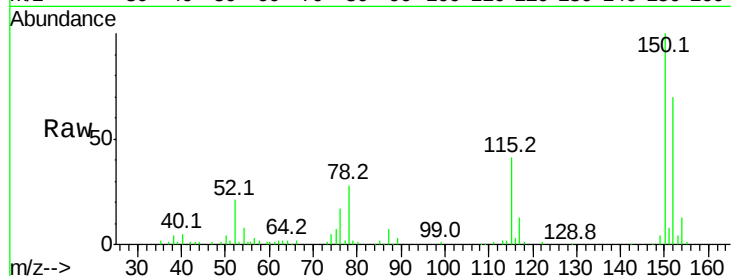


#1

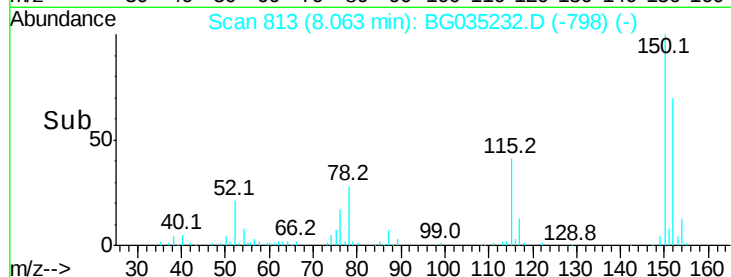
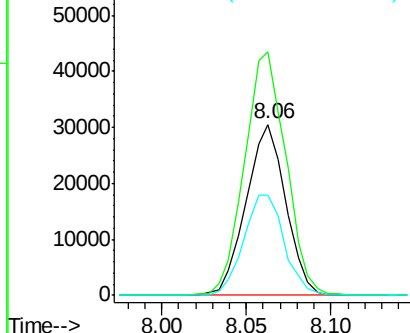
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.5	126.6	189.8
115	58.4	53.0	79.4



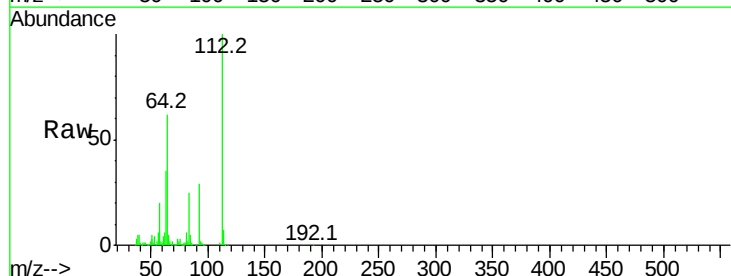
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



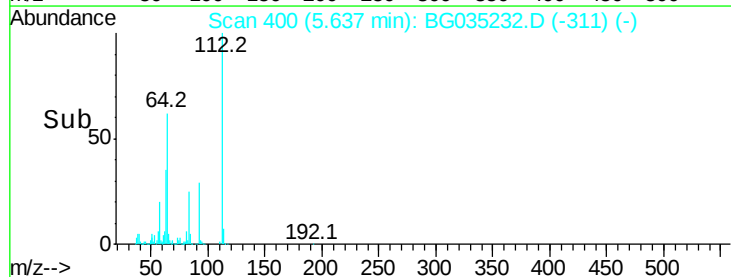
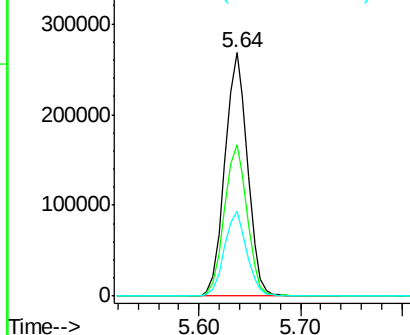
#5

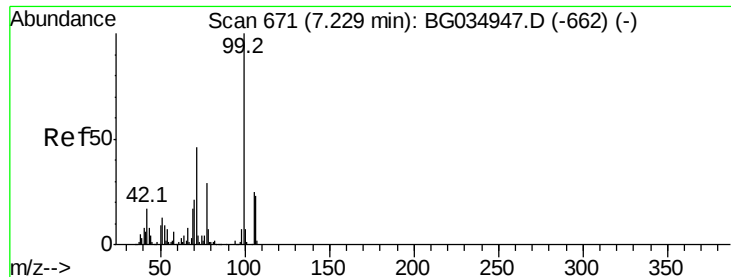
2-Fluorophenol
Concen: 140.487 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	56.3	84.5
63	35.0	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: 131.801 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

Instrument :

BNA_G

ClientSampleId :

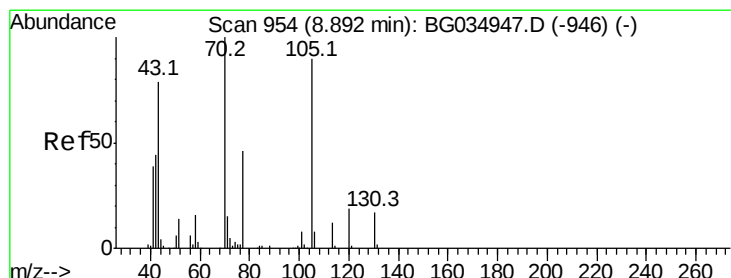
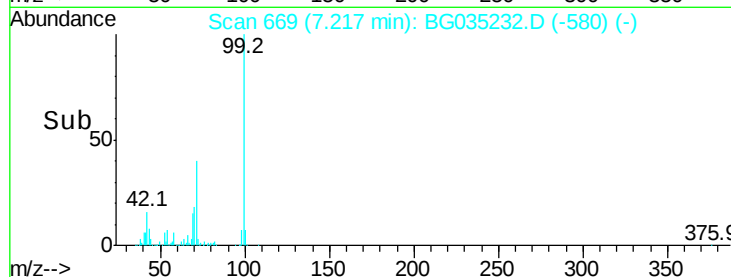
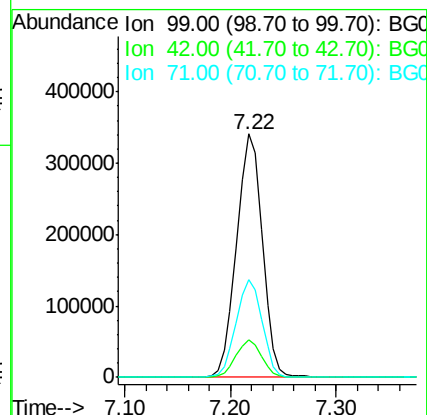
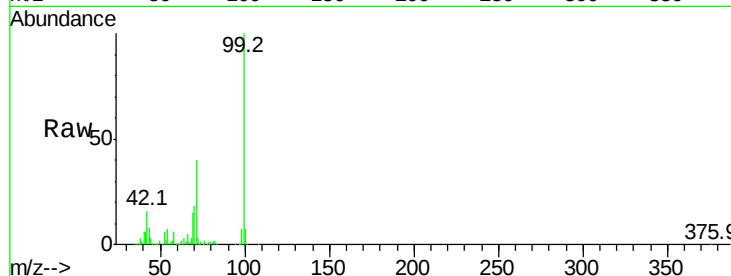
Tot Ion: 99 Resp: 574066

Ion Ratio Lower Upper

99 100

42 15.5 14.1 21.1

71 40.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.708 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

Tgt Ion: 70 Resp: 50726

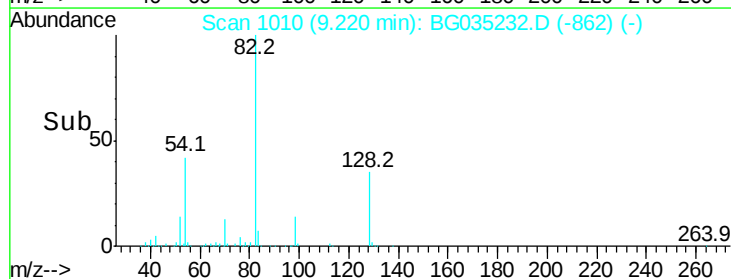
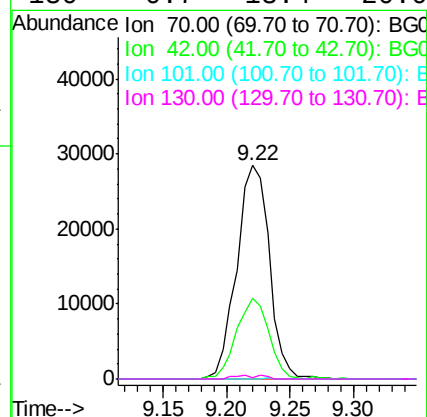
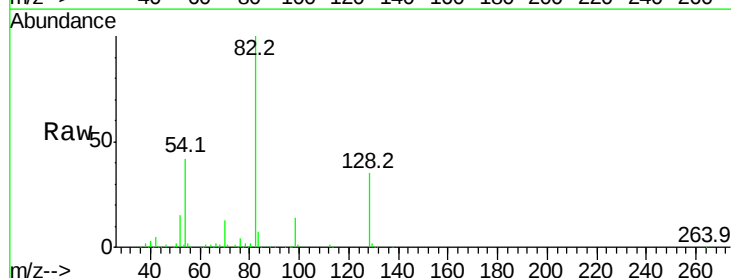
Ion Ratio Lower Upper

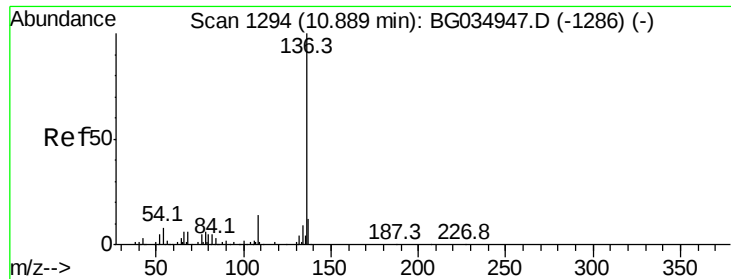
70 100

42 37.5 49.1 73.7#

101 0.0 8.5 12.7#

130 0.7 13.4 20.0#

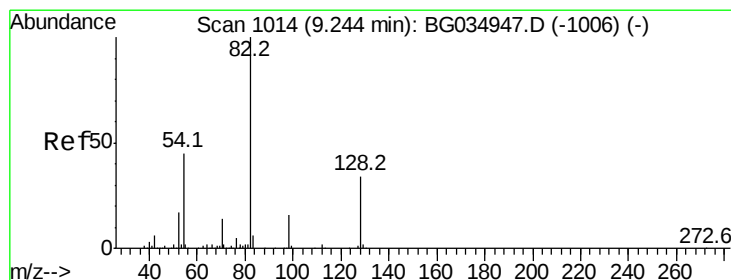
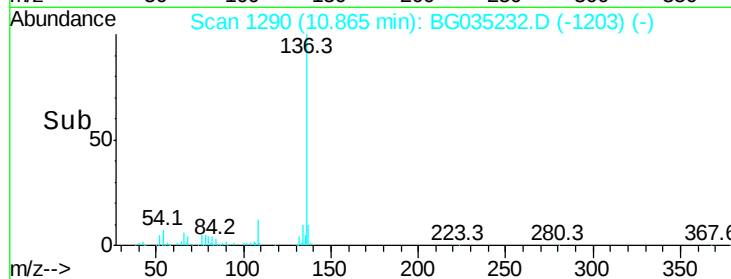
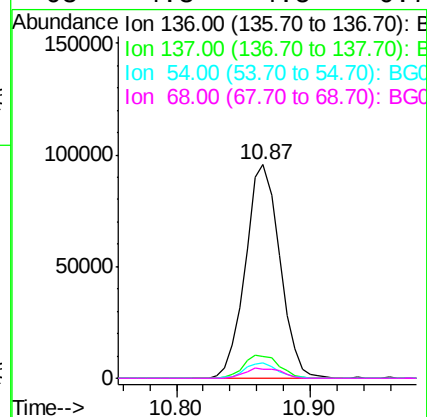
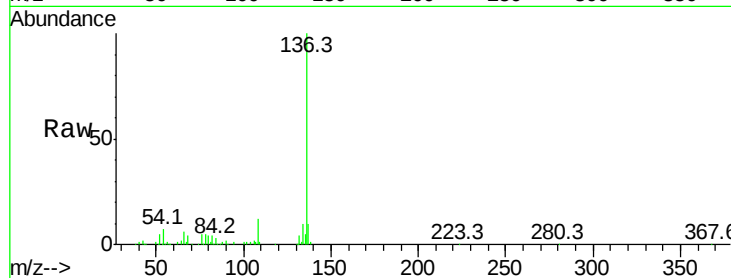




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

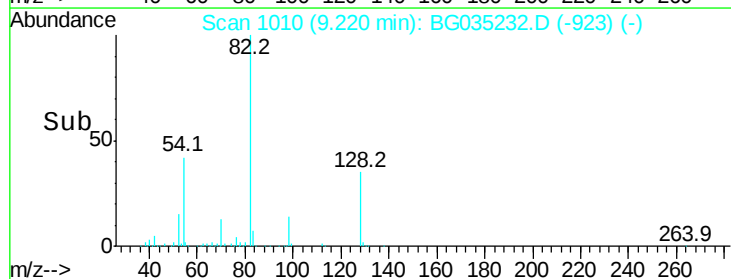
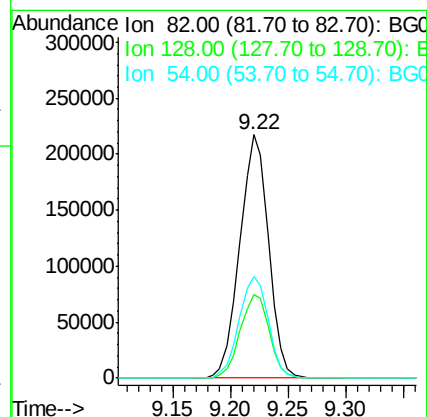
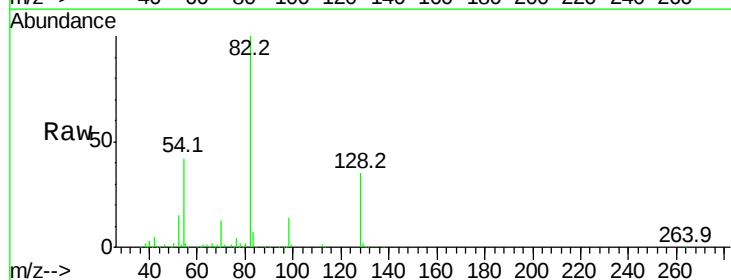
Instrument :
BNA_G
ClientSampleId :

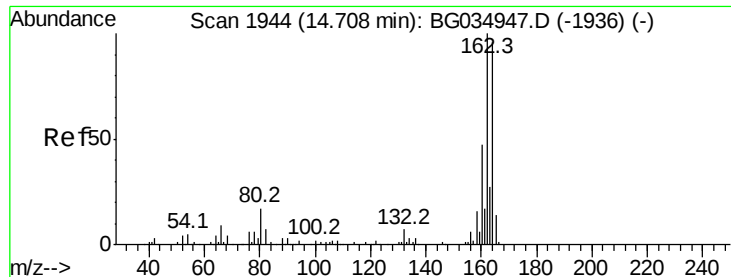
Tot Ion:	136	Resp:	169595
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	7.3	10.3	15.5#
68	4.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 105.114 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Tgt Ion:	82	Resp:	375029
Ion Ratio	Lower	Upper	
82	100		
128	34.6	29.7	44.5
54	41.7	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

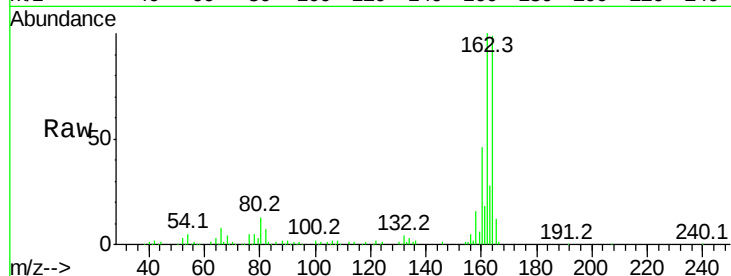
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 112111

Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.8	118.2
160	46.8	35.4	53.0

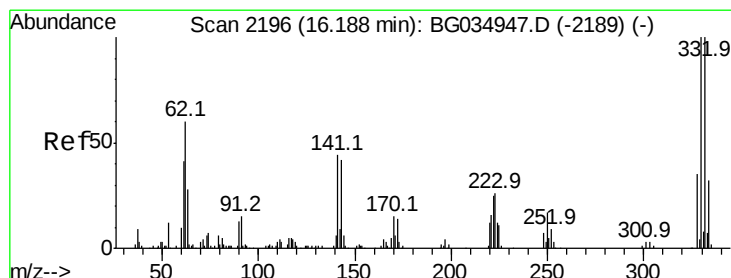
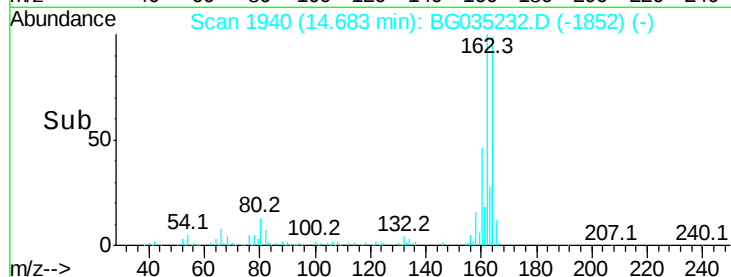
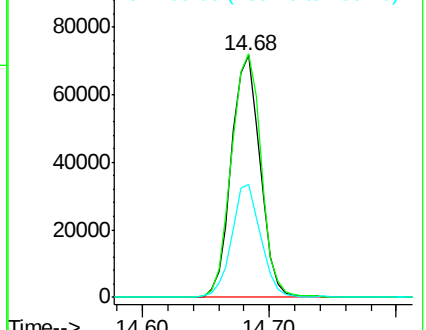


Abundance

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: 173.113 ng

RT: 16.17 min Scan# 2193

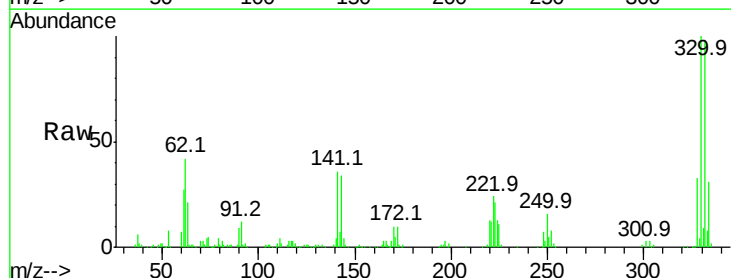
Delta R.T. -0.01 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

Tgt Ion:330 Resp: 248445

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	36.5	25.2	37.8

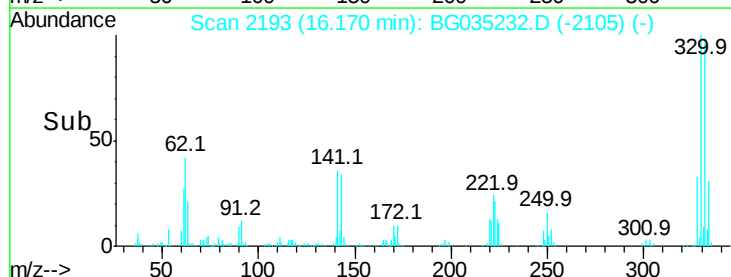
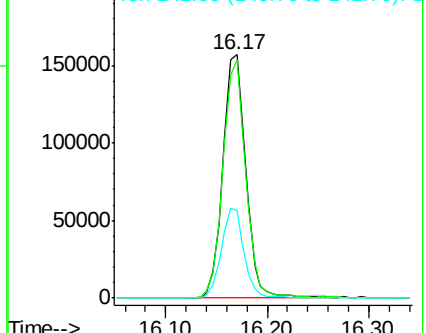


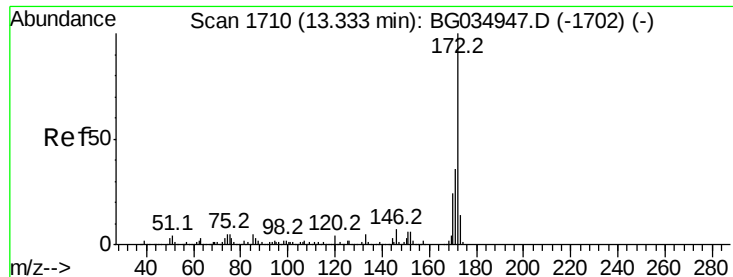
Abundance

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

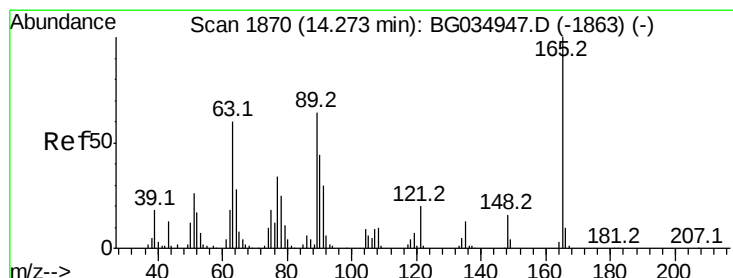
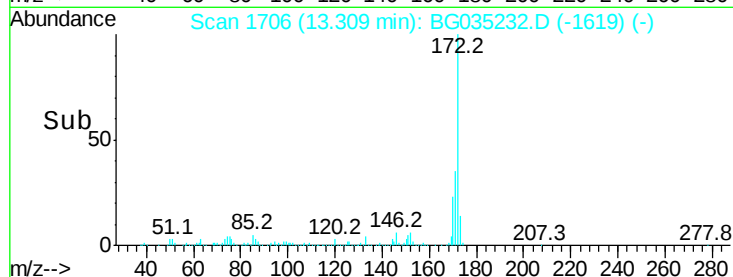
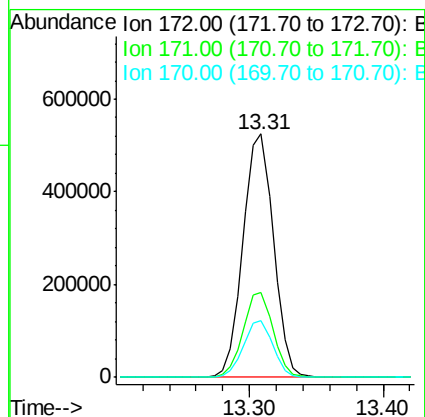
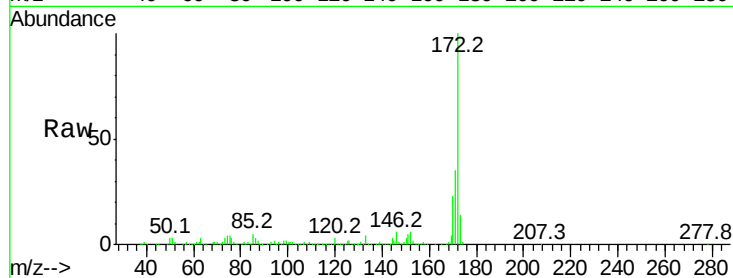




#44
2-Fluorobiphenyl
Concen: 96.000 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

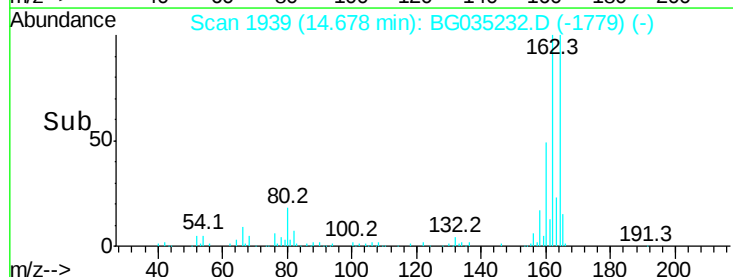
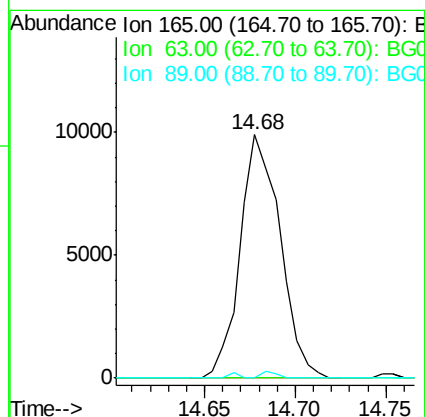
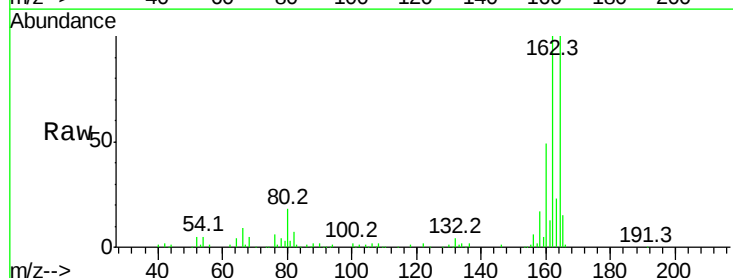
Instrument :
BNA_G
ClientSampleId :

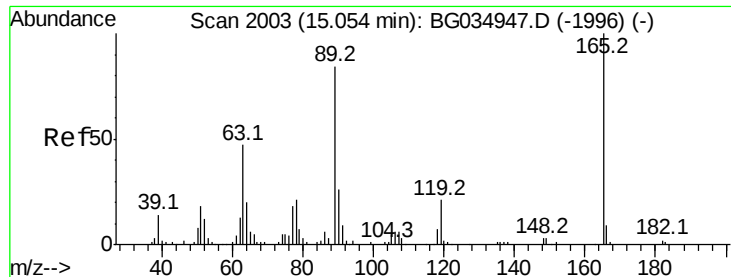
Tot Ion:172 Resp: 827902
Ion Ratio Lower Upper
172 100
171 34.8 30.0 45.0
170 23.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.558 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Tgt Ion:165 Resp: 15263
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

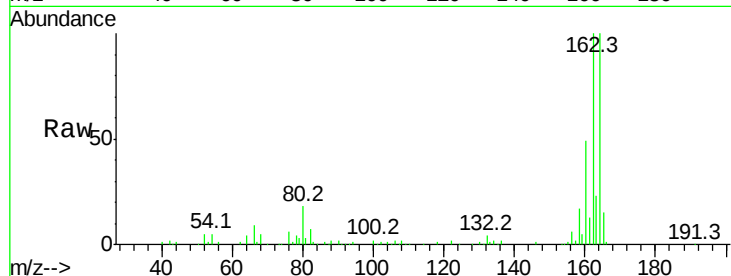




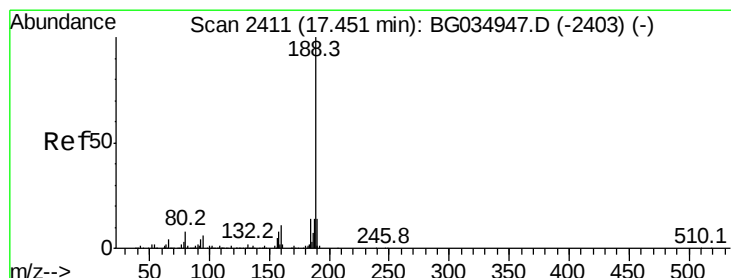
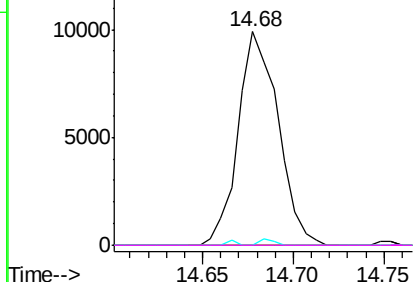
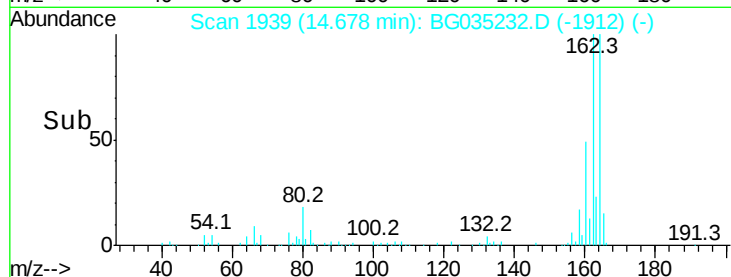
#56
2,4-Dinitrotoluene
Concen: 6.442 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15263
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

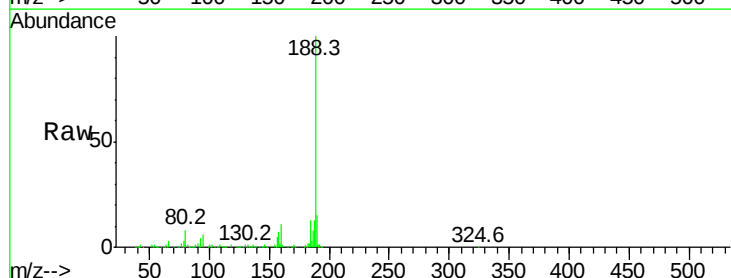


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

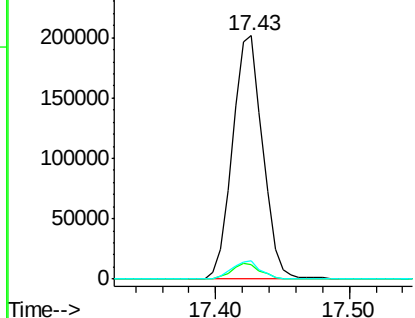
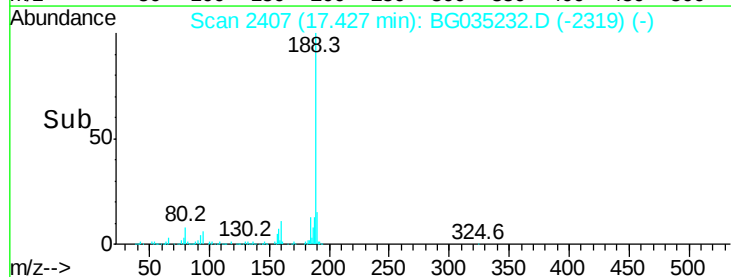


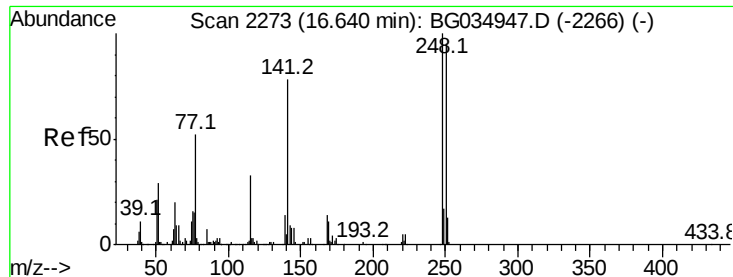
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG035232.D
Acq: 19 Jun 2018 1:01

Tgt Ion:188 Resp: 316909
Ion Ratio Lower Upper
188 100
94 5.8 6.9 10.3#
80 7.6 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

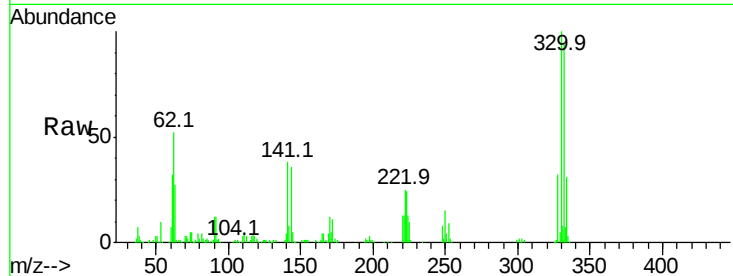




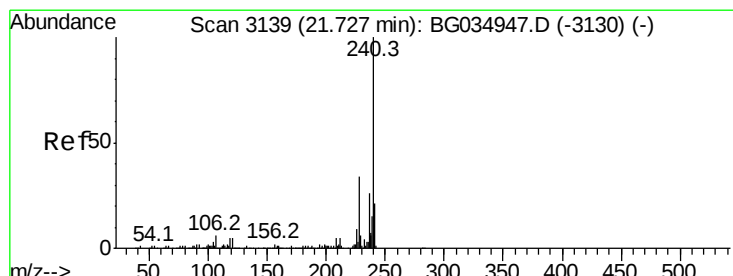
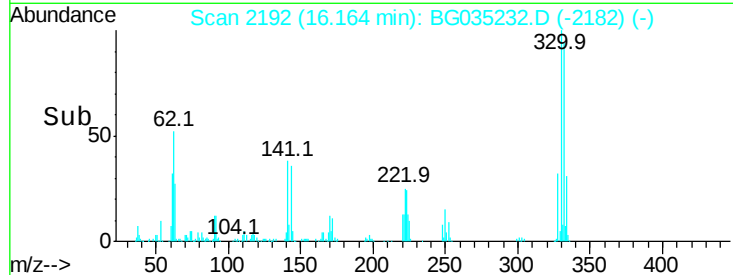
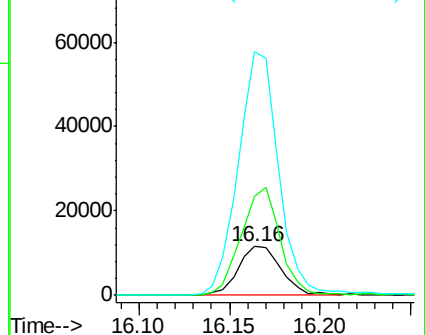
#66
 4-Bromophenyl-phenylether
 Concen: 4.984 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035232.D
 Acq: 19 Jun 2018 1:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 19022
 Ion Ratio Lower Upper
 248 100
 250 202.7 77.1 115.7#
 141 497.2 50.8 76.2#

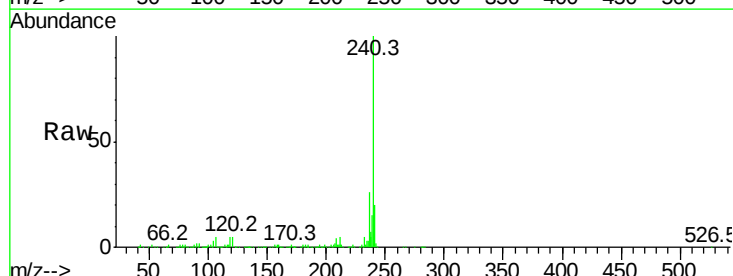


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

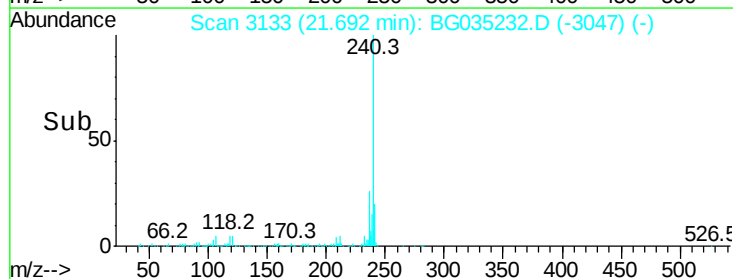
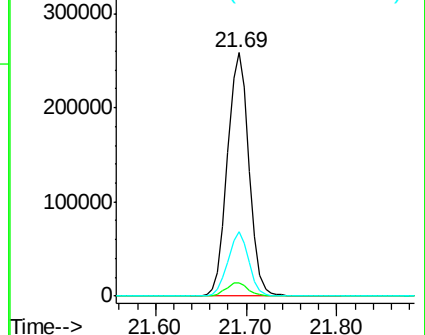


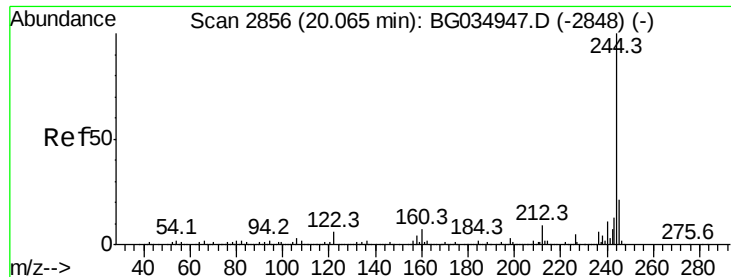
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG035232.D
 Acq: 19 Jun 2018 1:01

Tgt Ion:240 Resp: 425895
 Ion Ratio Lower Upper
 240 100
 120 5.5 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: 88.014 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

Instrument :

BNA_G

ClientSampleId :

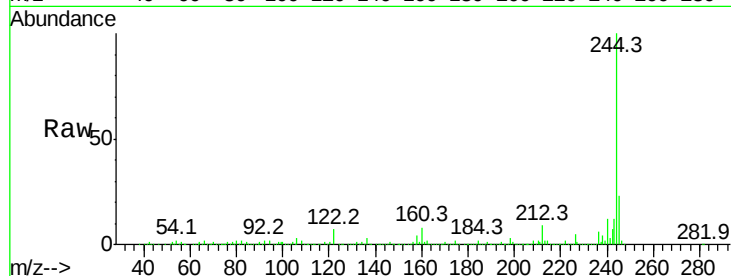
Tot Ion:244 Resp: 1789519

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.8	8.8
122	6.9	7.0	10.4

244 100

212 9.2 5.8 8.8

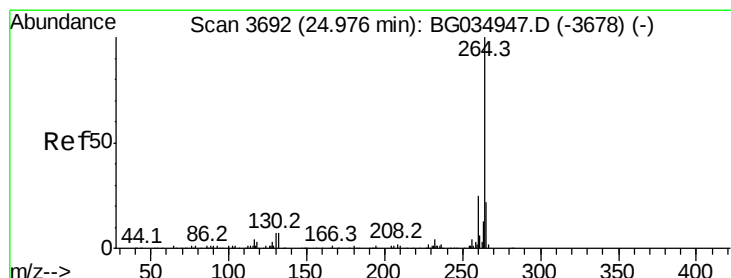
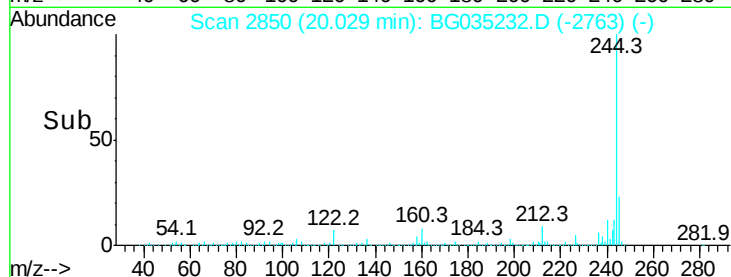
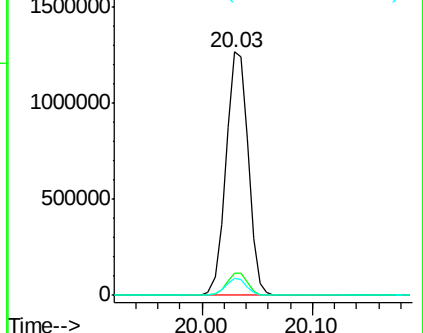
122 6.9 7.0 10.4



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: 24.92 min Scan# 3682

Delta R.T. -0.04 min

Lab File: BG035232.D

Acq: 19 Jun 2018 1:01

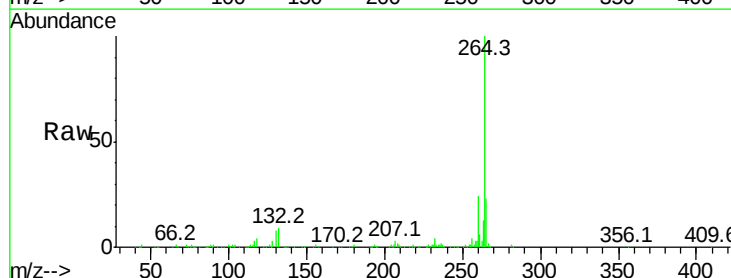
Tgt Ion:264 Resp: 396953

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	22.6	17.7	26.5

264 100

260 24.5 17.4 26.0

265 22.6 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

