

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072618\
 Data File : BG035927.D
 Acq On : 27 Jul 2018 3:01
 Operator : JU/SJ
 Sample : PB111478BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 27 07:23:24 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 25 11:04:14 2018
 Response via : Initial Calibration

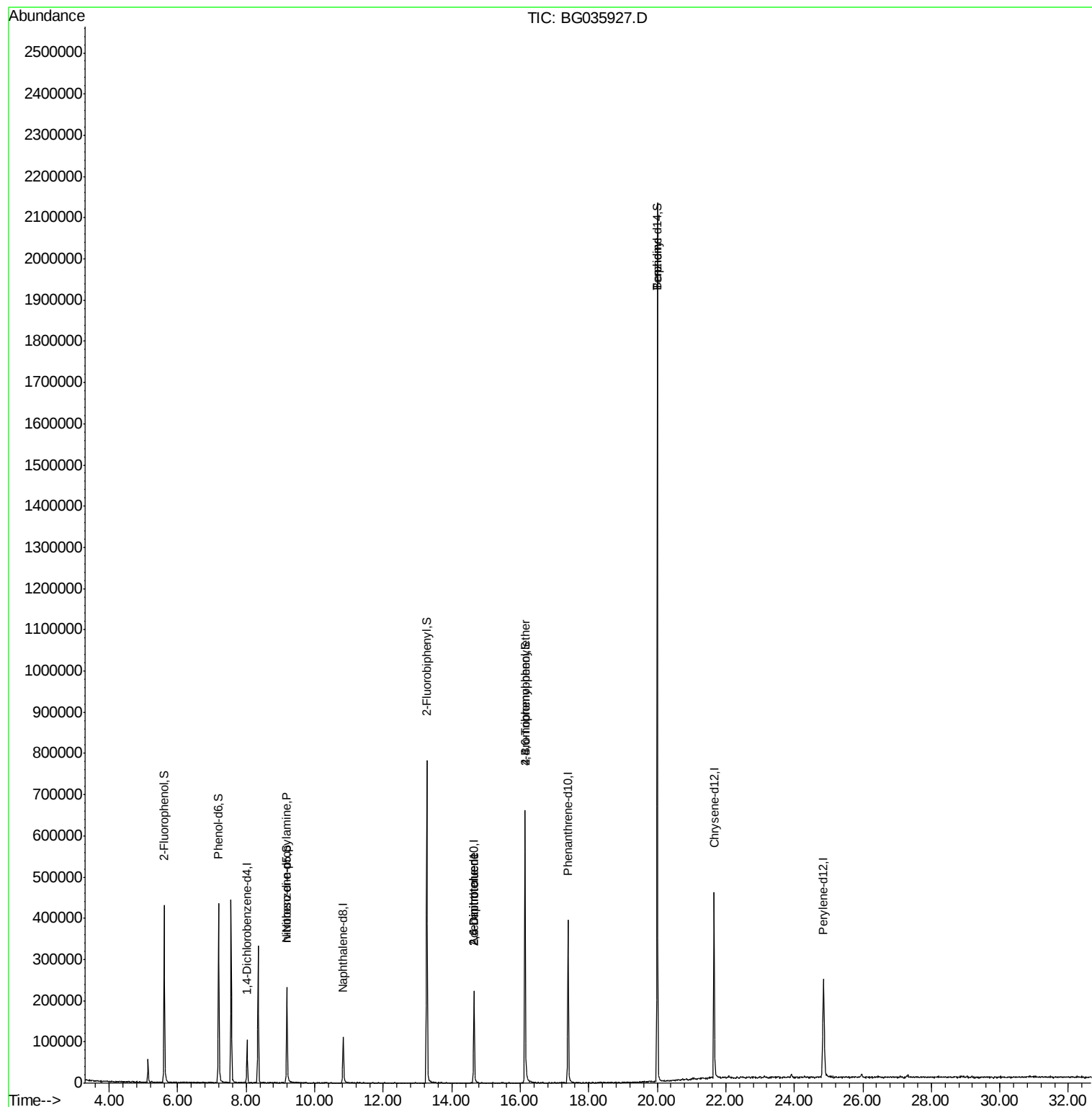
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	29414	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	110611	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	87368	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	282293	20.00	ng	0.00
75) Chrysene-d12	21.65	240	311277	20.00	ng	0.00
86) Perylene-d12	24.86	264	284734	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	192880	108.87	ng	0.00
7) Phenol-d6	7.19	99	275909	104.38	ng	0.00
23) Nitrobenzene-d5	9.19	82	172019	64.97	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	138714	120.46	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	450652	69.11	ng	0.00
78) Terphenyl-d14	20.00	244	1041517	73.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	24100	10.827	ng	# 65
50) 2,6-Dinitrotoluene	14.65	165	11757	7.542	ng	# 18
56) 2,4-Dinitrotoluene	14.65	165	11757	5.257	ng	# 16
66) 4-Bromophenyl-phenylether	16.14	248	9911	3.026	ng	# 1
76) Benzidine	20.00	184	17753	2.169	ng	# 94

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

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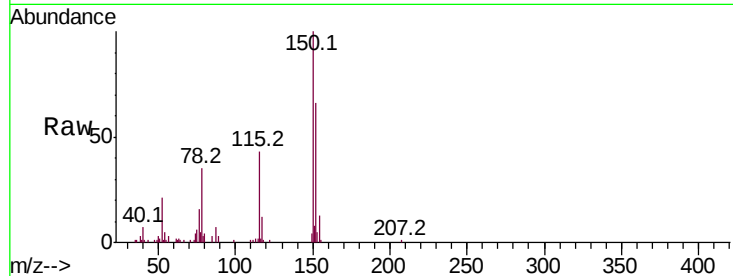


#1

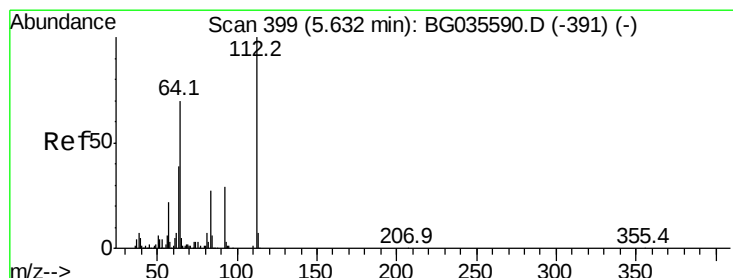
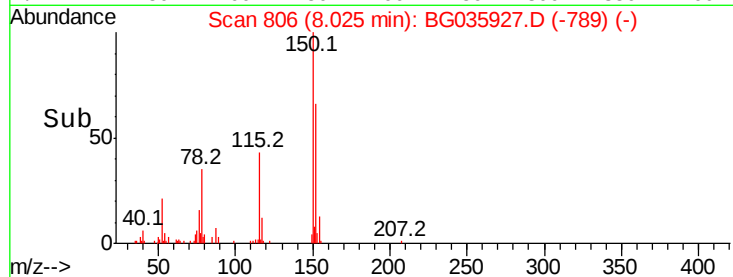
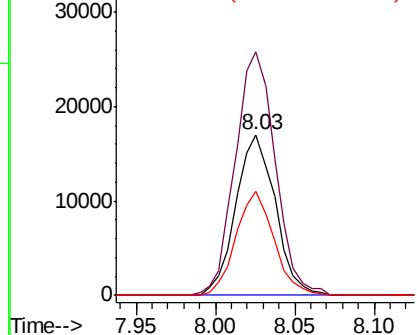
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29414
Ion Ratio Lower Upper
152 100
150 151.3 126.6 189.8
115 64.4 53.0 79.4



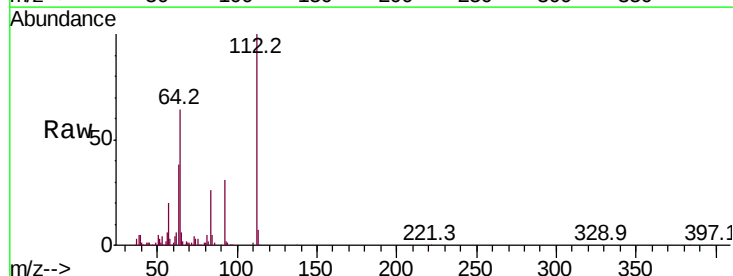
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



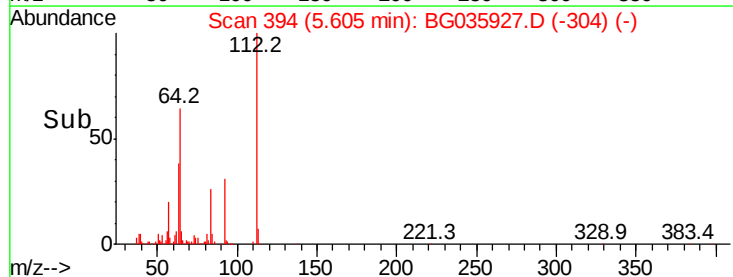
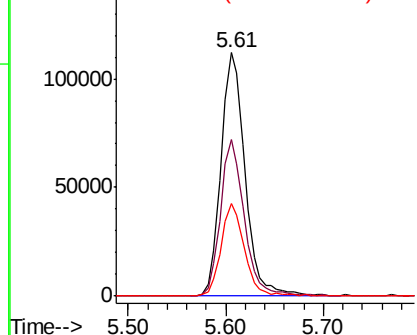
#5

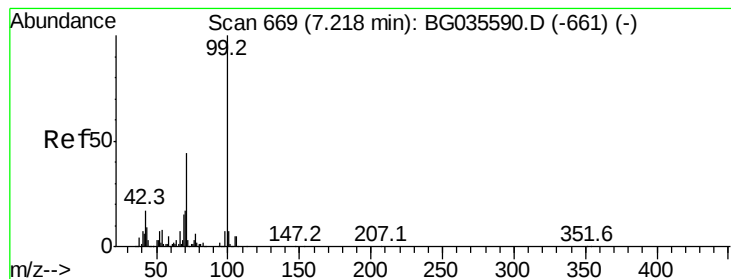
2-Fluorophenol
Concen: 108.869 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Tgt Ion:112 Resp: 192880
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 37.9 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: 104.380 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

Instrument :

BNA_G

ClientSampleId :

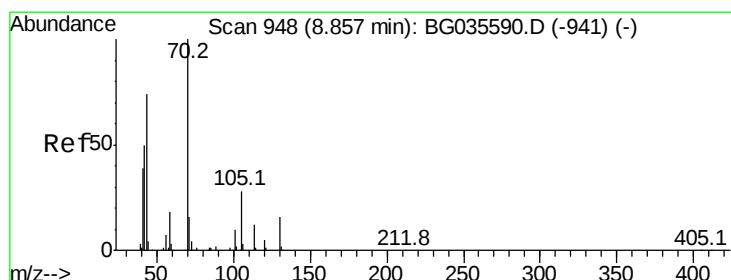
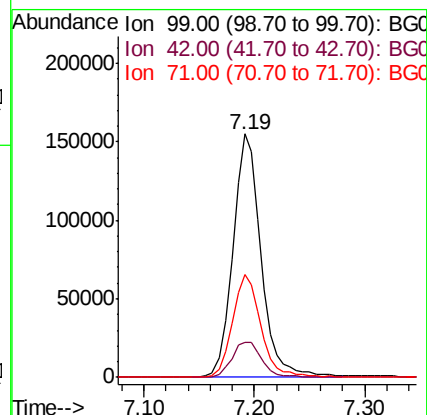
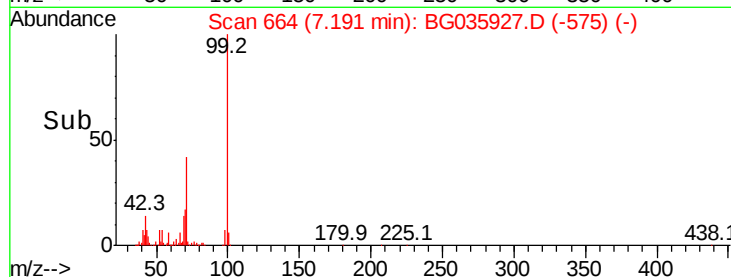
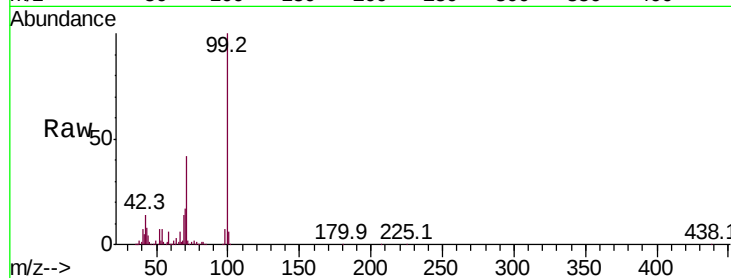
Tot Ion: 99 Resp: 275909

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

71 42.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 10.827 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

Tgt Ion: 70 Resp: 24100

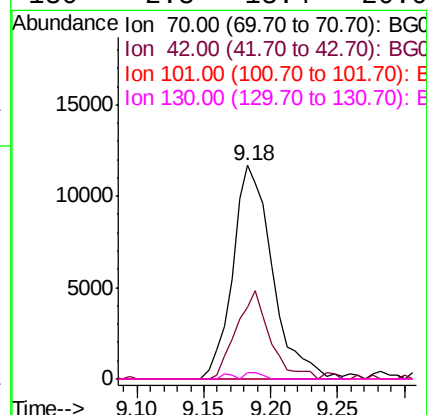
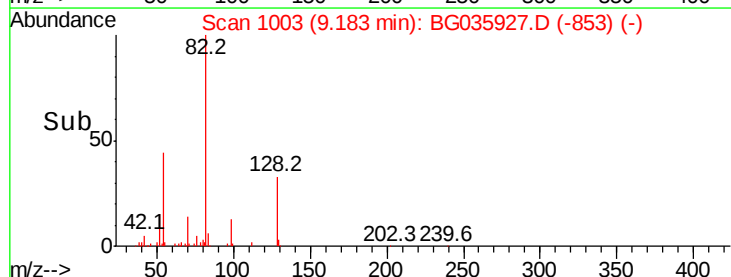
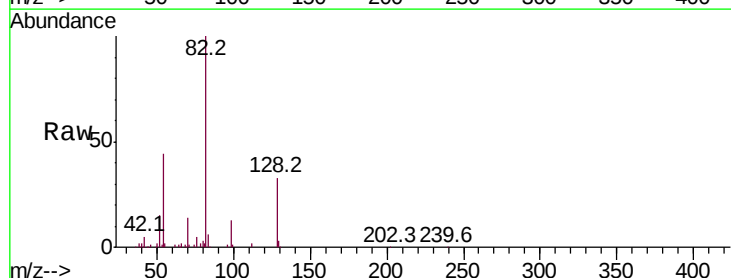
Ion Ratio Lower Upper

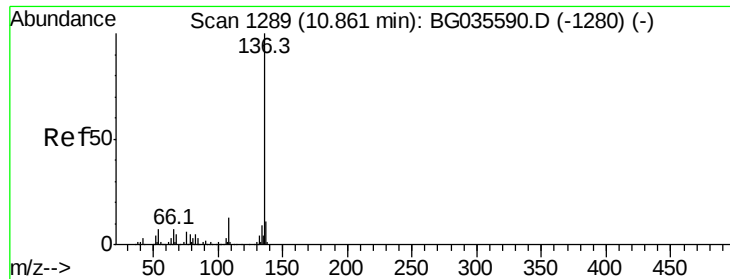
70 100

42 33.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

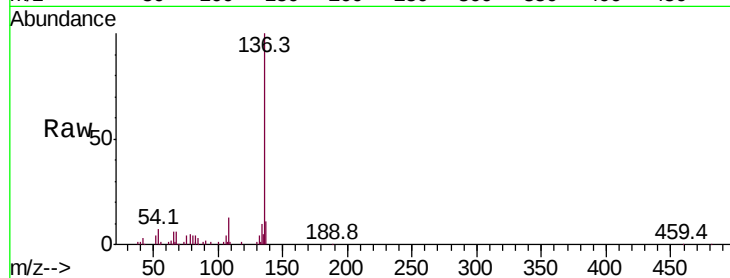




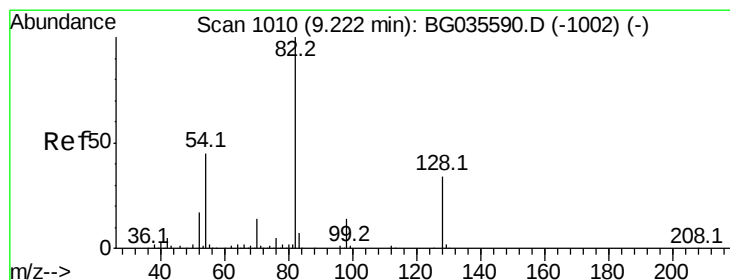
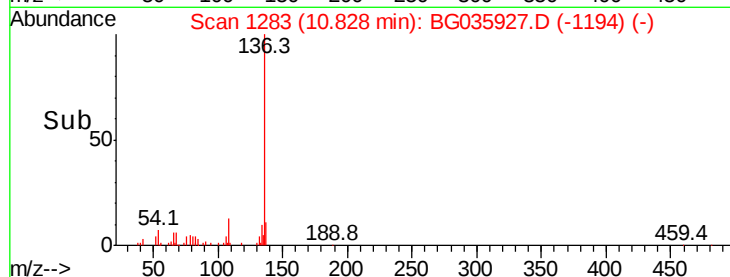
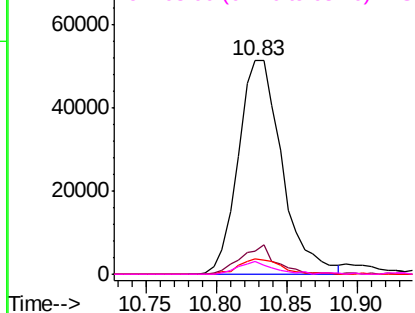
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	110611
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.5	10.3	15.5#
68	6.1	4.5	6.7

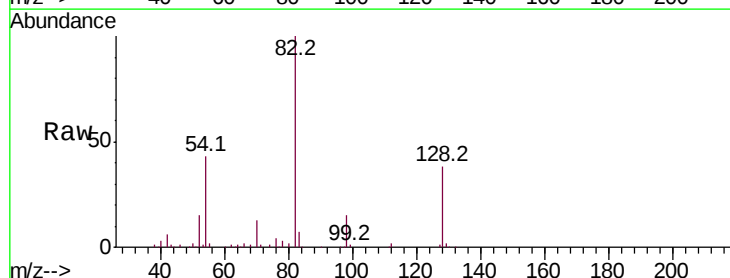


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

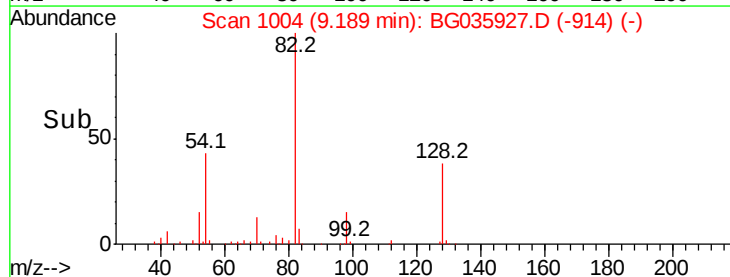
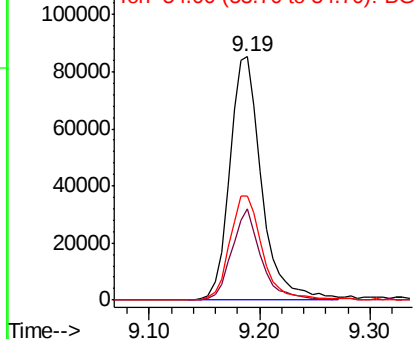


#23
Nitrobenzene-d5
Concen: 64.967 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Tgt Ion:	82	Resp:	172019
Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.7	44.5
54	42.9	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

Instrument :

BNA_G

ClientSampleId :

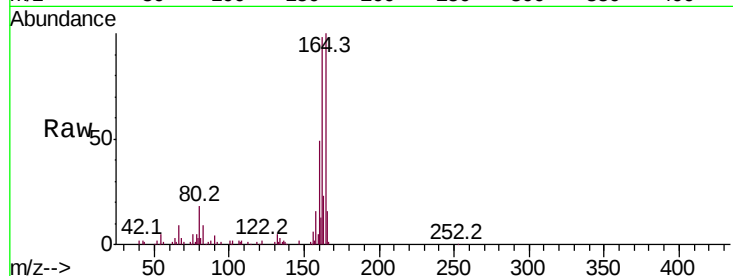
Tot Ion:164 Resp: 87368

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

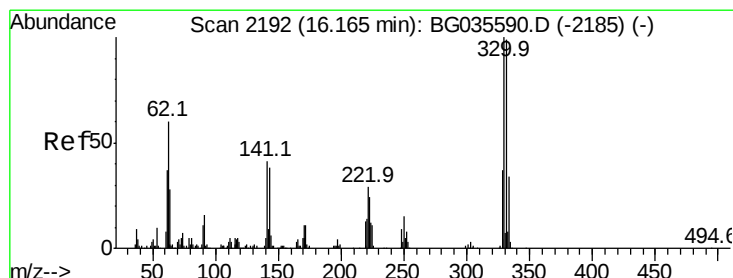
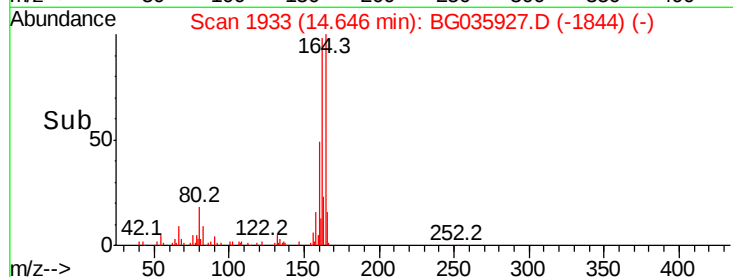
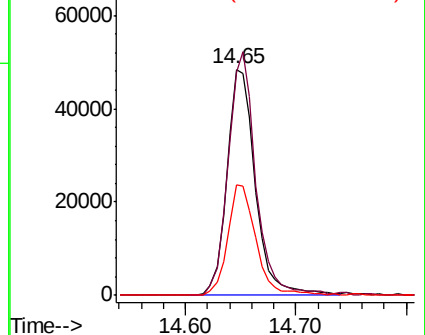
160 48.8 35.4 53.0



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: 120.457 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

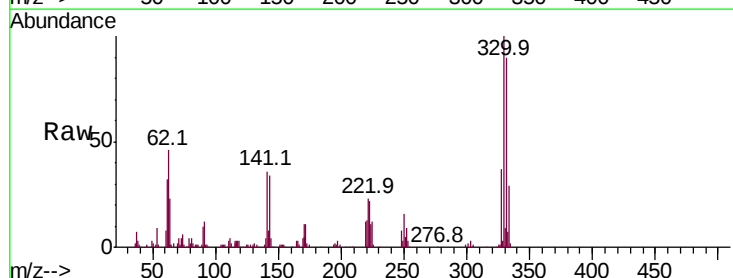
Tgt Ion:330 Resp: 138714

Ion Ratio Lower Upper

330 100

332 93.0 77.0 115.6

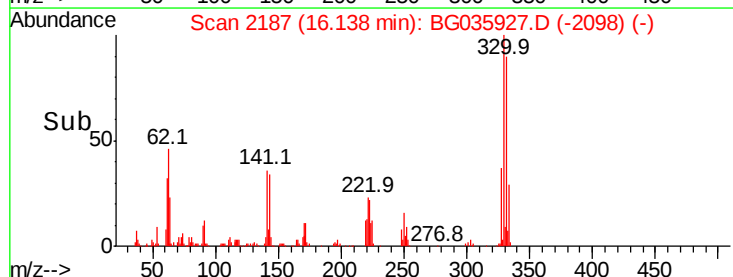
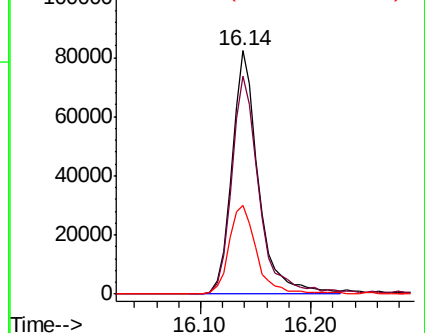
141 38.1 25.2 37.8#

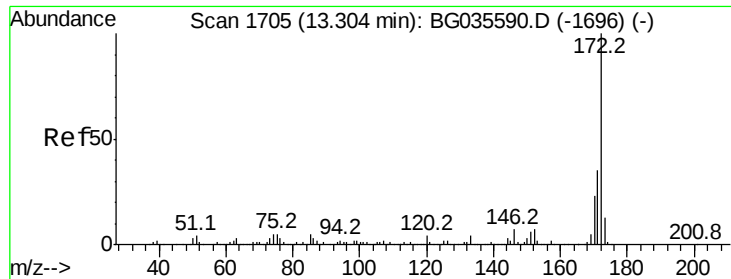


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

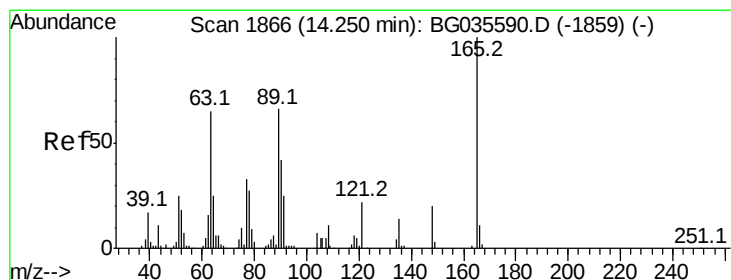
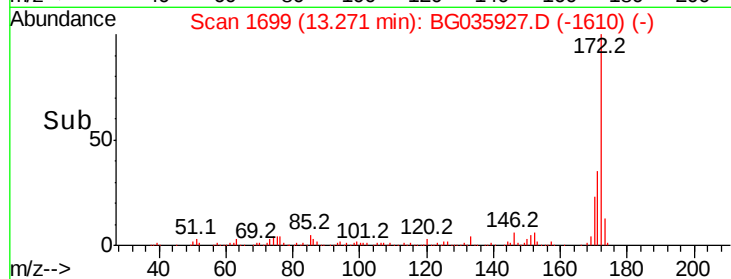
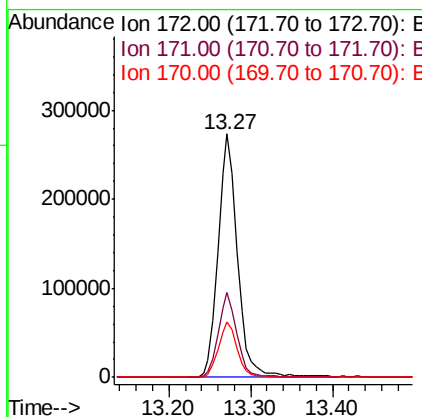
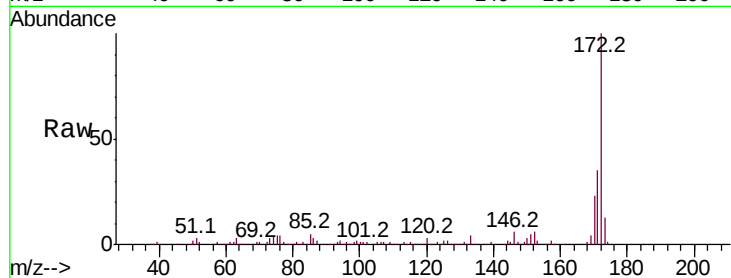




#44
 2-Fluorobiphenyl
 Concen: 69.105 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035927.D
 Acq: 27 Jul 2018 3:01

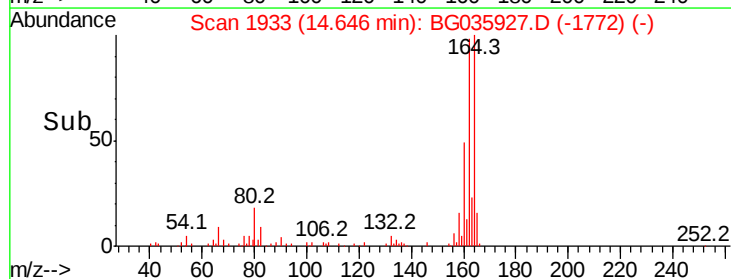
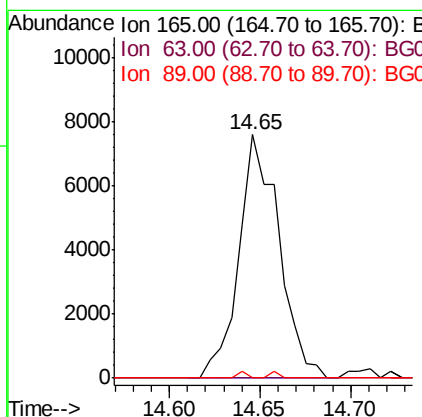
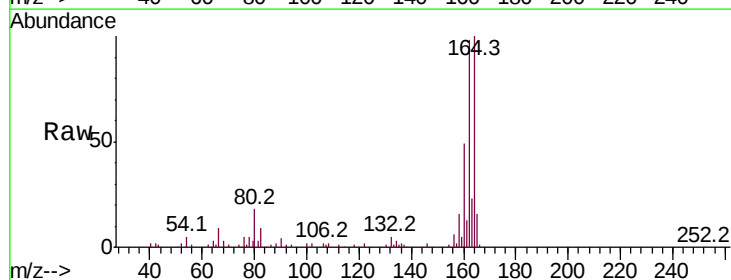
Instrument :
 BNA_G
 ClientSampleId :

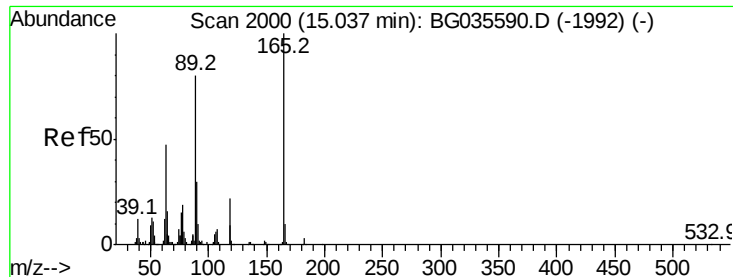
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.0	45.0
170	22.6	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.542 ng
 RT: 14.65 min Scan# 1933
 Delta R.T. 0.42 min
 Lab File: BG035927.D
 Acq: 27 Jul 2018 3:01

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

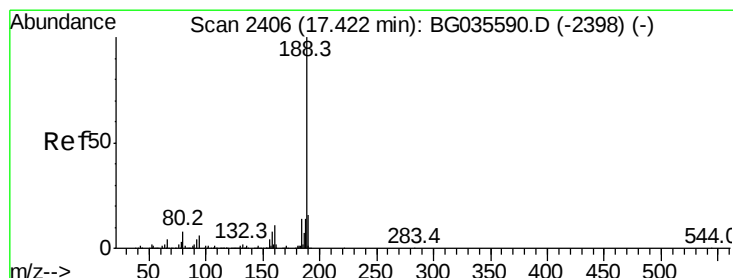
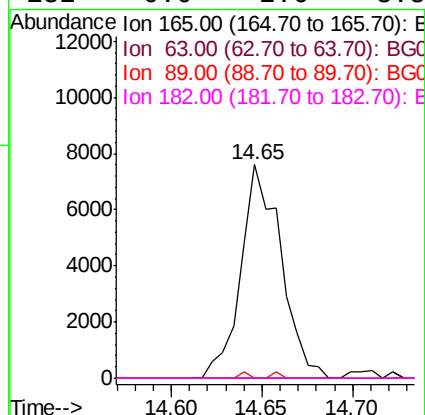
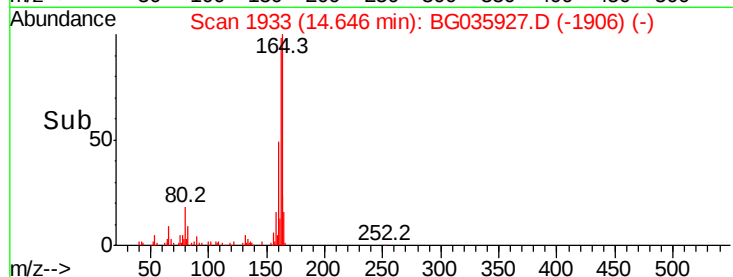
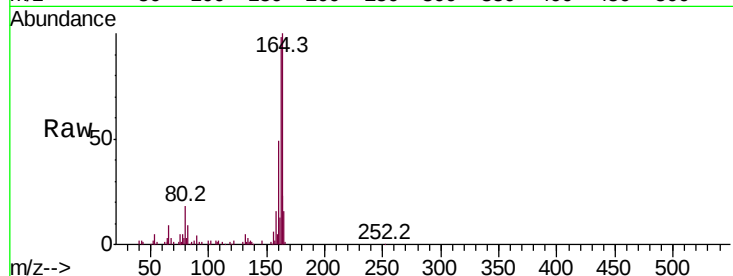




#56
2,4-Dinitrotoluene
Concen: 5.257 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.37 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

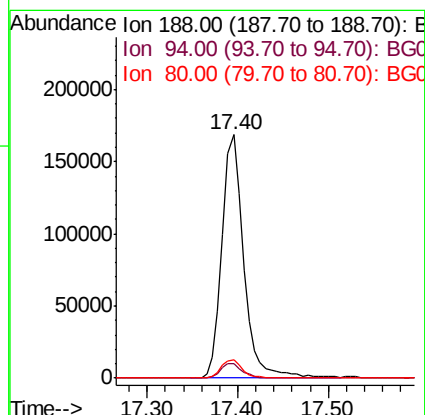
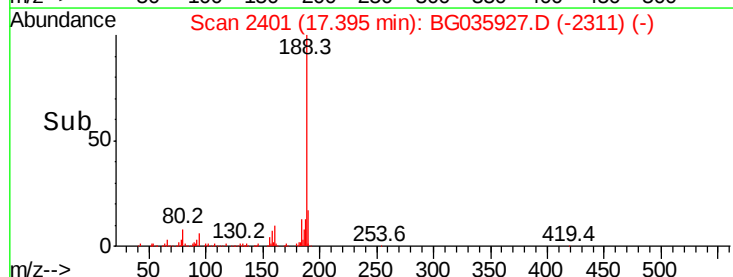
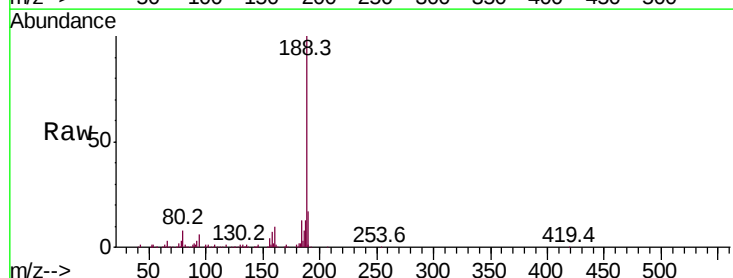
Instrument :
BNA_G
ClientSampleId :

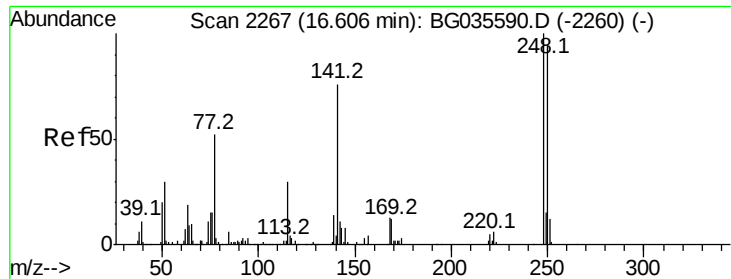
Tot Ion:165 Resp: 11757
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Tgt Ion:188 Resp: 282293
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 7.7 7.7 11.5

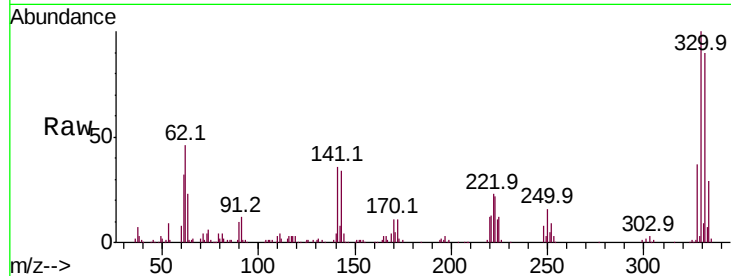




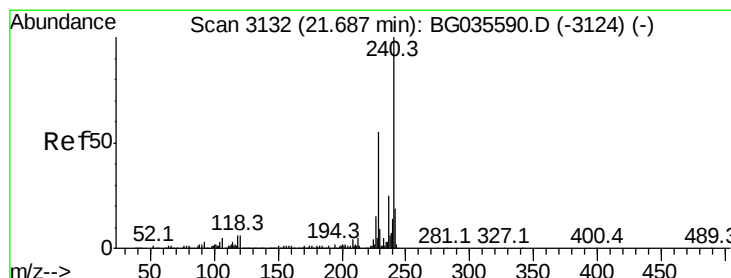
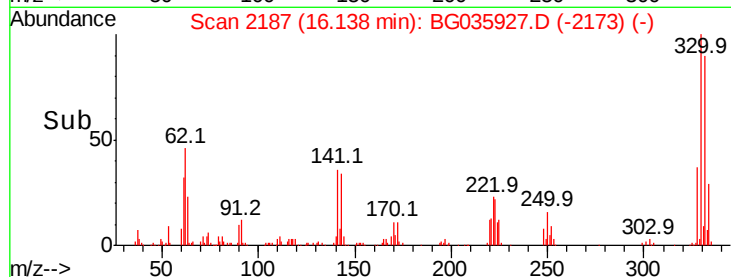
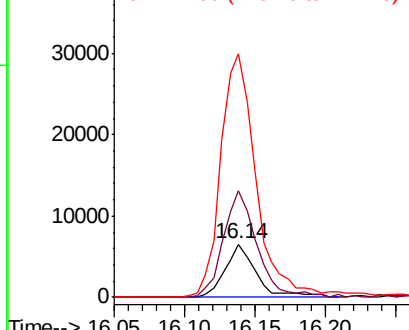
#66
4-Bromophenyl-phenylether
Concen: 3.026 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9911
Ion Ratio Lower Upper
248 100
250 200.6 77.1 115.7#
141 459.6 50.8 76.2#

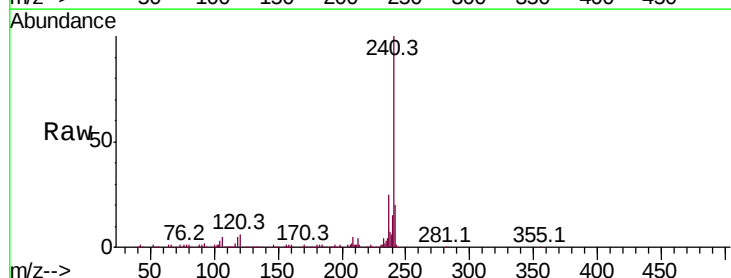


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

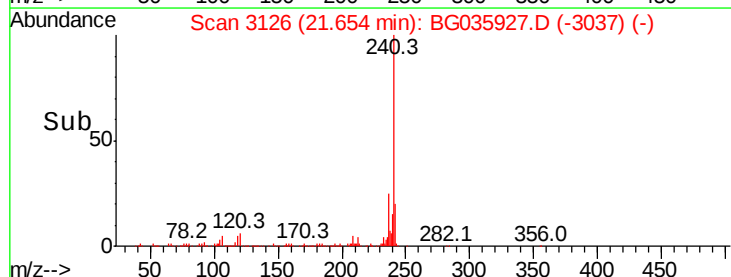
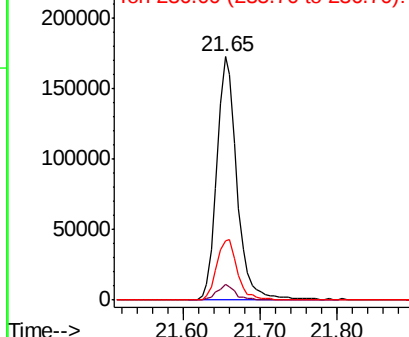


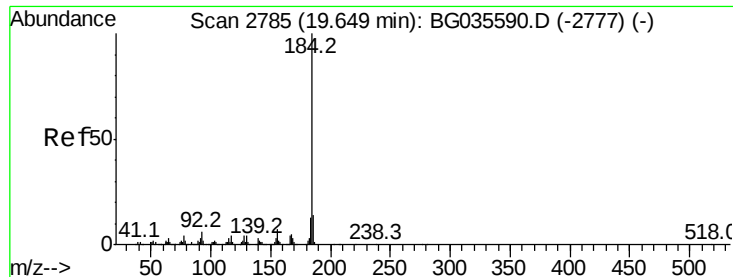
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BG035927.D
Acq: 27 Jul 2018 3:01

Tgt Ion:240 Resp: 311277
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 24.5 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: 2.169 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

Instrument :

BNA_G

ClientSampleId :

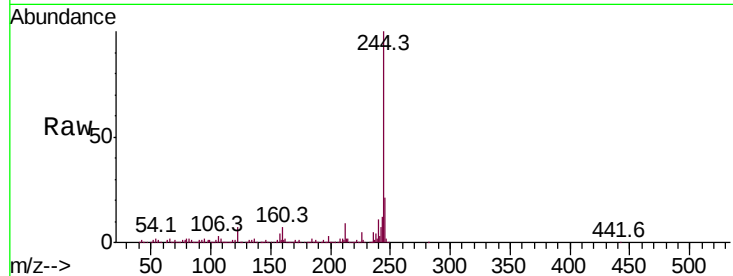
Tot Ion:184 Resp: 17753

Ion Ratio Lower Upper

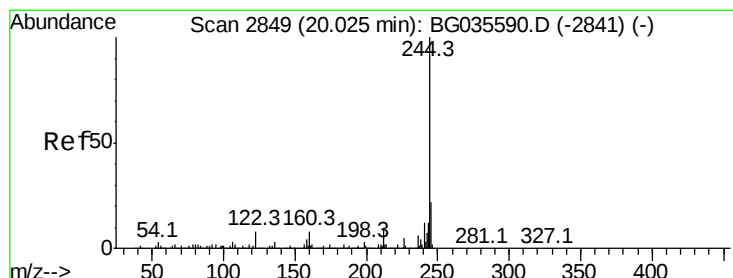
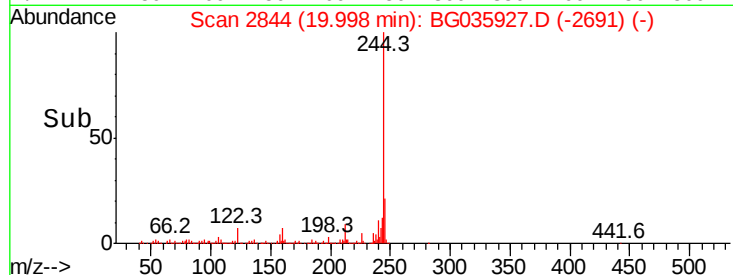
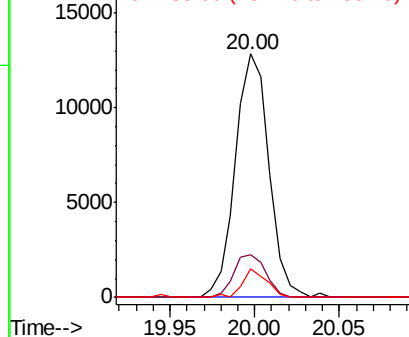
184 100

185 17.4 11.1 16.7#

183 11.9 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: 73.755 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG035927.D

Acq: 27 Jul 2018 3:01

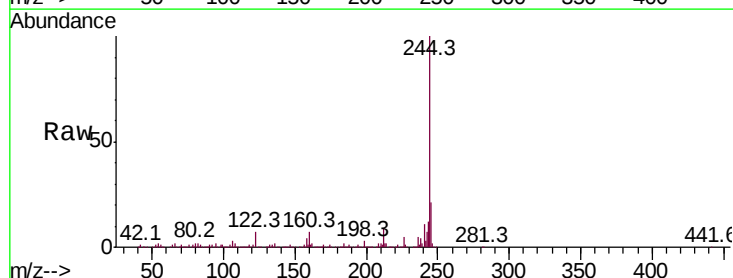
Tgt Ion:244 Resp: 1041517

Ion Ratio Lower Upper

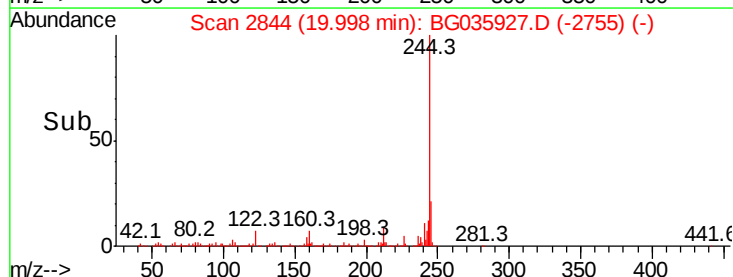
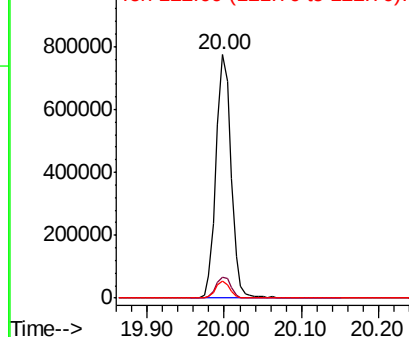
244 100

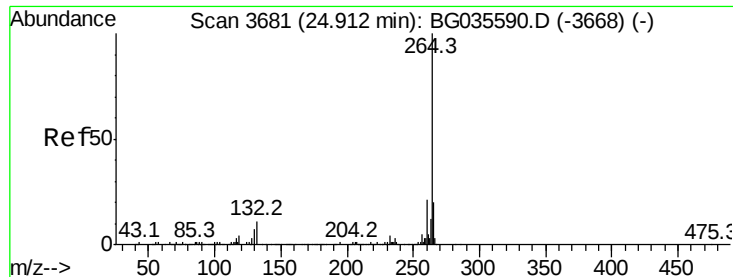
212 8.8 5.8 8.8#

122 6.8 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

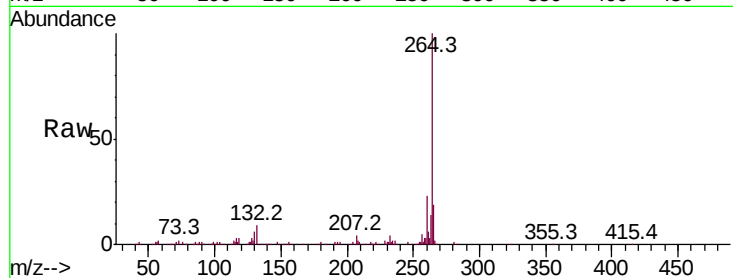




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3671
 Delta R.T. -0.00 min
 Lab File: BG035927.D
 Acq: 27 Jul 2018 3:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	19.2	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

