

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034045.D
 Acq On : 27 Apr 2018 18:53
 Operator : SJ/JU
 Sample : J2161-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:32:22 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

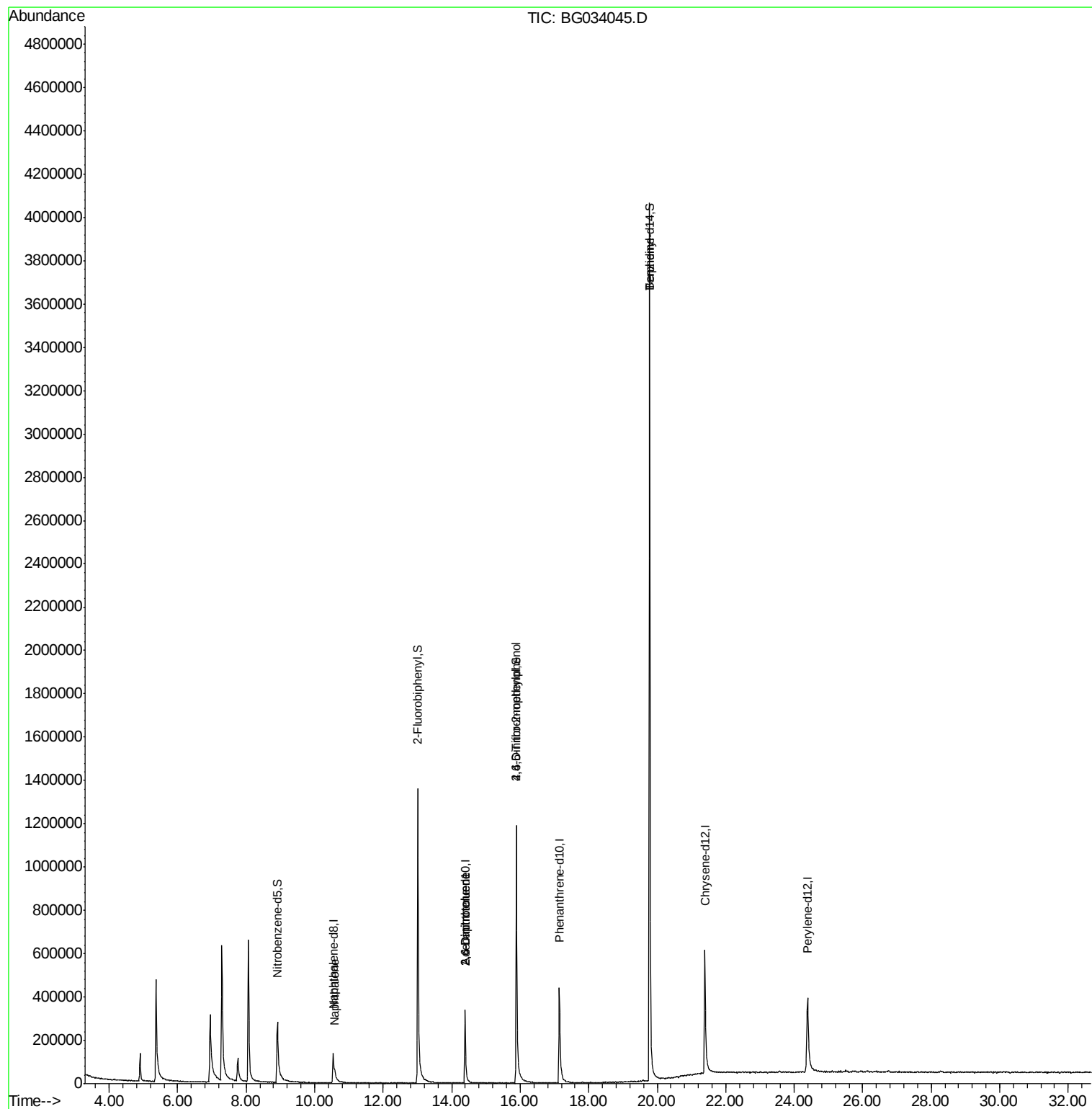
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.84
21) Naphthalene-d8	10.54	136	210175	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	170098	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	479181	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	549178	20.00	ng	-0.10
86) Perylene-d12	24.39	264	531952	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	392882	0.00	ng	-0.08
7) Phenol-d6	6.94	99	442392	0.00	ng	-0.06
23) Nitrobenzene-d5	8.91	82	339563	91.94	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	325129	163.84	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1103717	95.32	ng	-0.09
78) Terphenyl-d14	19.78	244	2467477	100.94	ng	-0.08
Target Compounds						
31) Naphthalene	10.59	128	50601	4.682	ng	Qvalue 97
50) 2,6-Dinitrotoluene	14.39	165	20994	7.404	ng	# 19
56) 2,4-Dinitrotoluene	14.39	165	20994	5.568	ng	# 17
64) 4,6-Dinitro-2-methylphenol	15.88	198	1246	6.956	ng	# 73
76) Benizidine	19.78	184	36032	2.430	ng	# 92

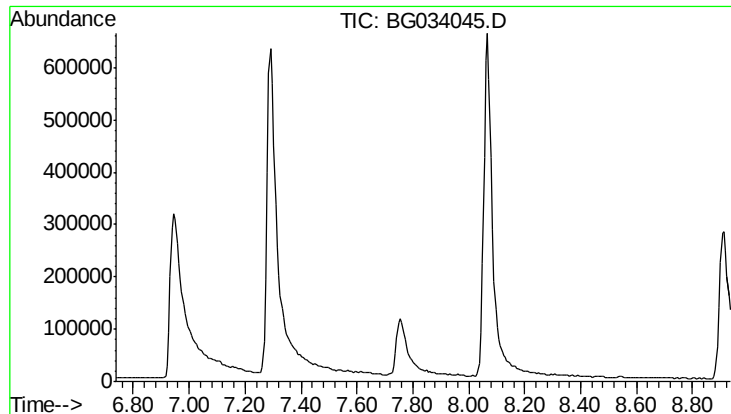
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

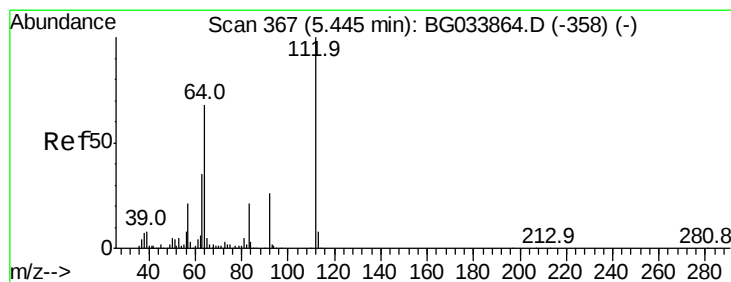
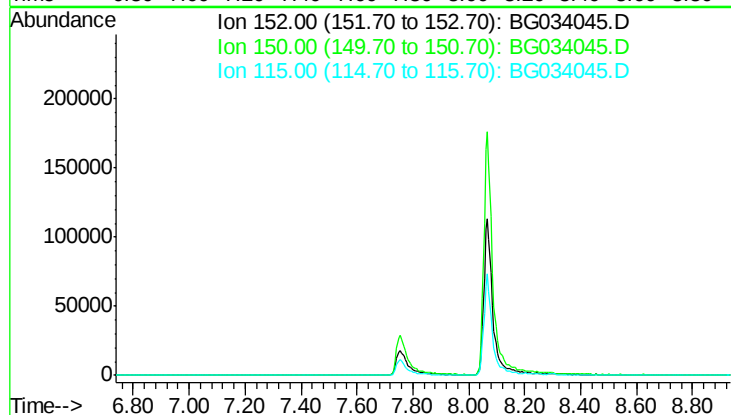




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.84 min
 Lab File: BG034045.D
 Acq: 27 Apr 2018 18:53

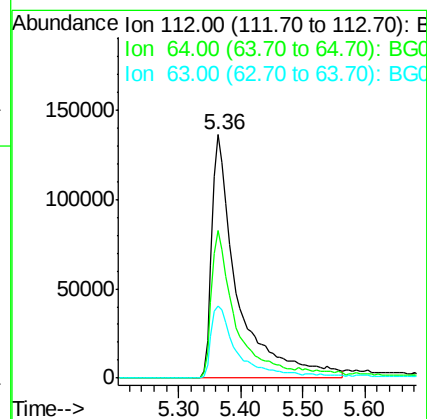
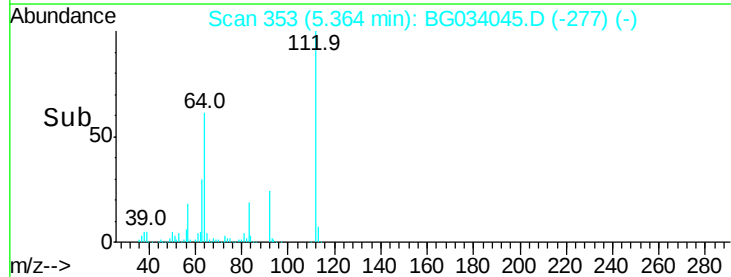
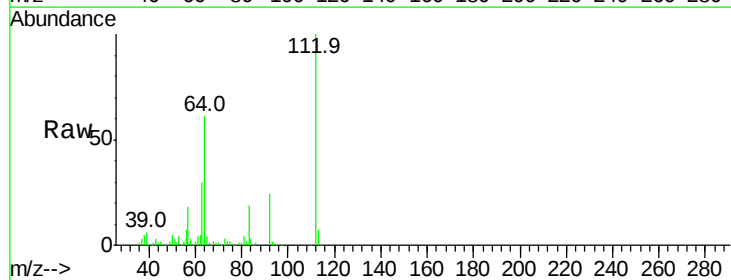
Instrument :
 BNA_G
 ClientSampleId :

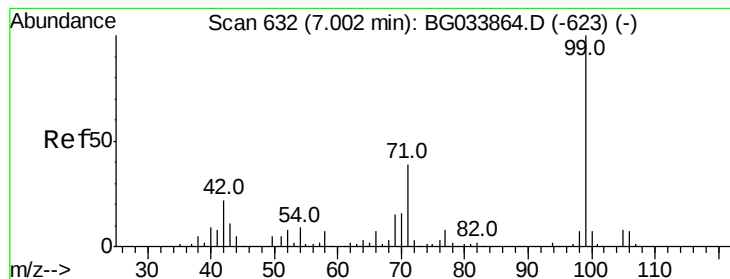
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 158.2
 115 66.2



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.36 min Scan# 353
 Delta R.T. -0.08 min
 Lab File: BG034045.D
 Acq: 27 Apr 2018 18:53

Tgt Ion:112 Resp: 392882
 Ion Ratio Lower Upper
 112 100
 64 60.6 56.3 84.5
 63 29.8 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Instrument :

BNA_G

ClientSampled :

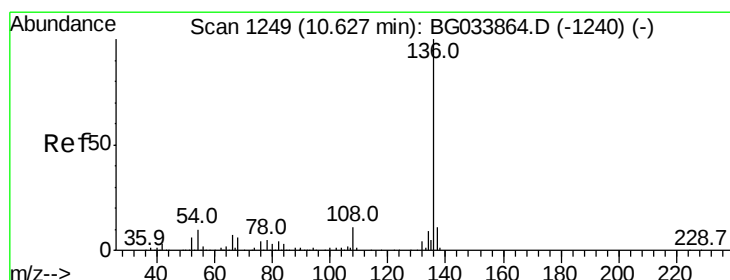
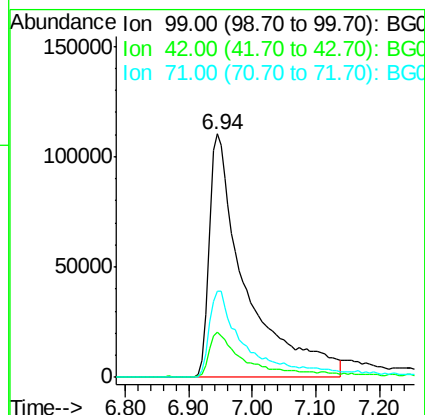
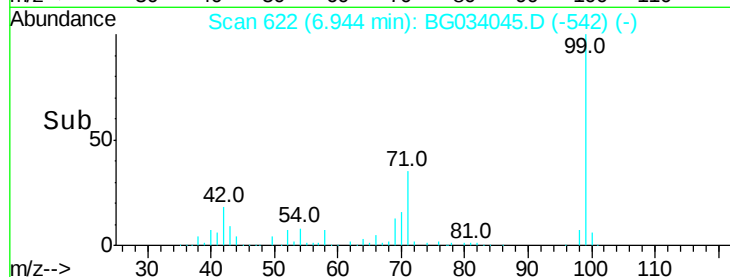
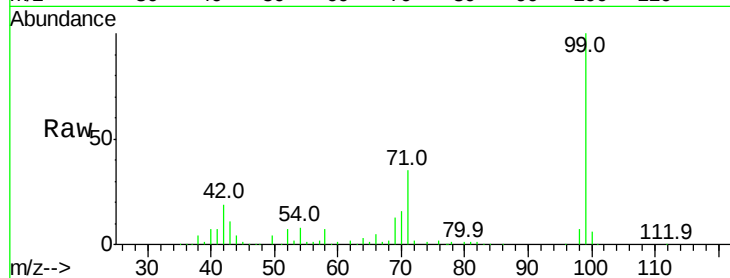
Tot Ion: 99 Resp: 442392

Ion Ratio Lower Upper

99 100

42 18.6 14.1 21.1

71 35.3 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Tgt Ion: 136 Resp: 210175

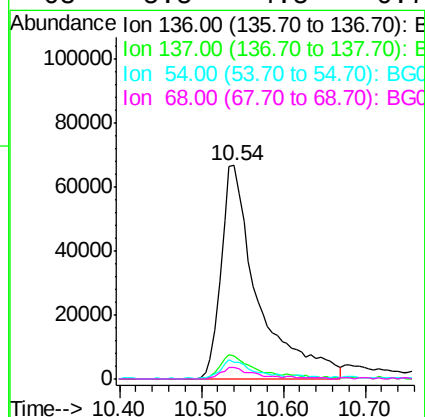
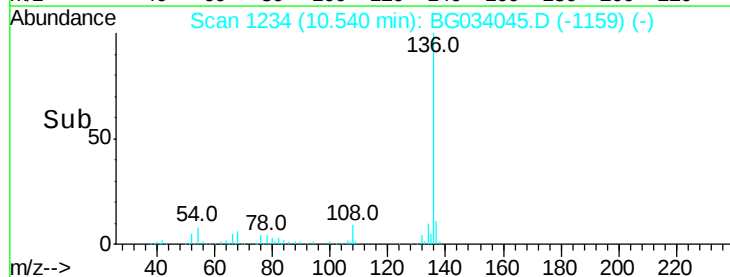
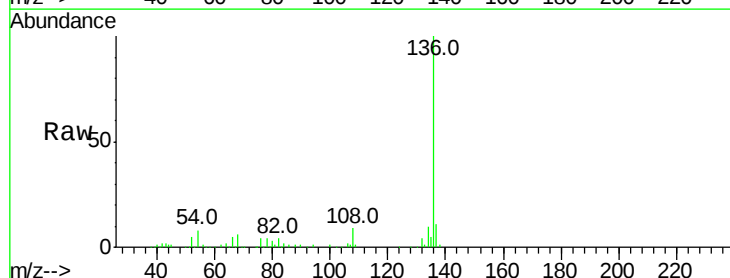
Ion Ratio Lower Upper

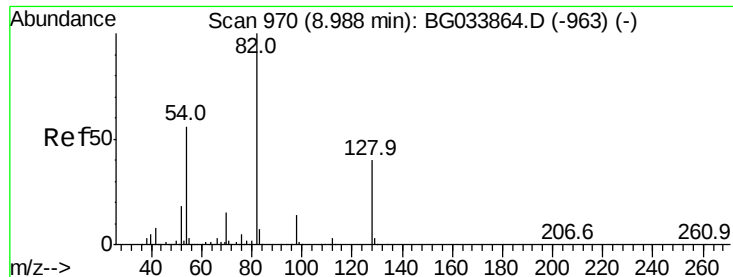
136 100

137 11.1 9.2 13.8

54 7.9 10.3 15.5#

68 5.5 4.5 6.7

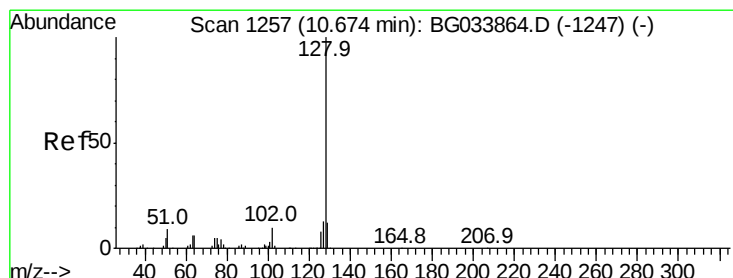
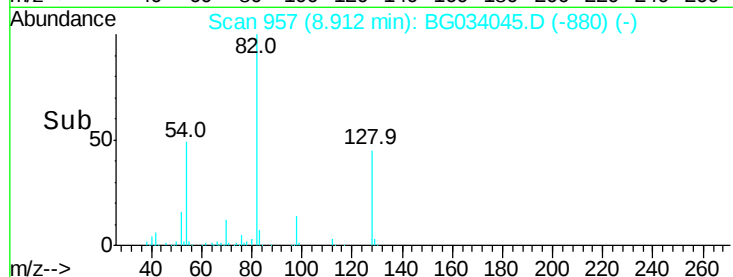
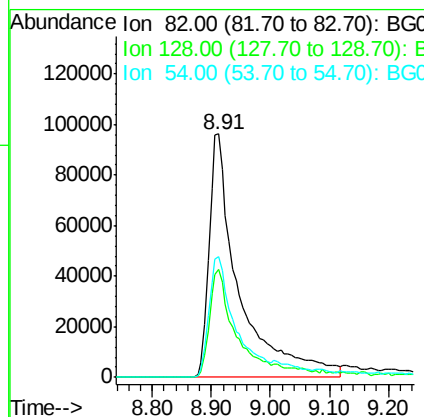
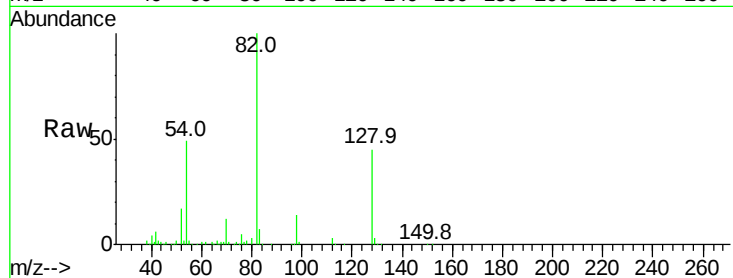




#23
Nitrobenzene-d5
Concen: 91.944 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034045.D
Acq: 27 Apr 2018 18:53

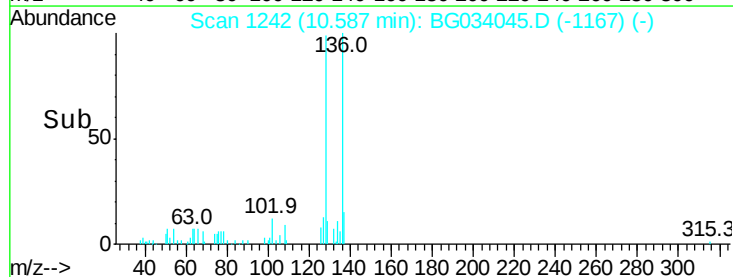
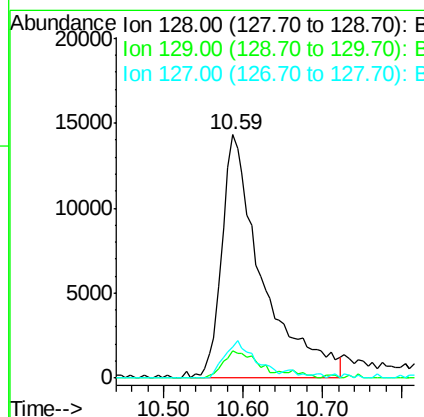
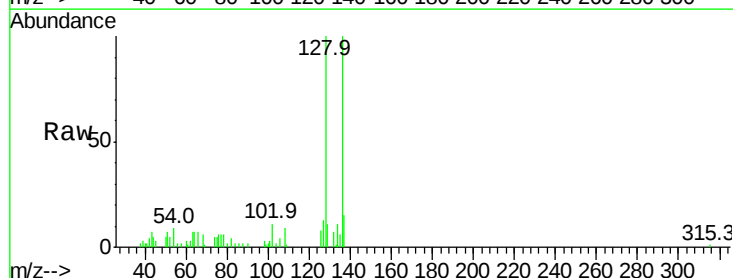
Instrument :
BNA_G
ClientSampleId :

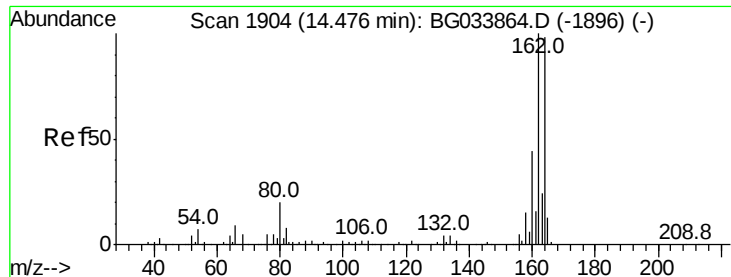
Tot Ion: 82 Resp: 339563
Ion Ratio Lower Upper
82 100
128 44.5 29.7 44.5#
54 49.4 43.1 64.7



#31
Naphthalene
Concen: 4.682 ng
RT: 10.59 min Scan# 1242
Delta R.T. -0.09 min
Lab File: BG034045.D
Acq: 27 Apr 2018 18:53

Tgt Ion:128 Resp: 50601
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.8 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.09 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Instrument :

BNA_G

ClientSampleId :

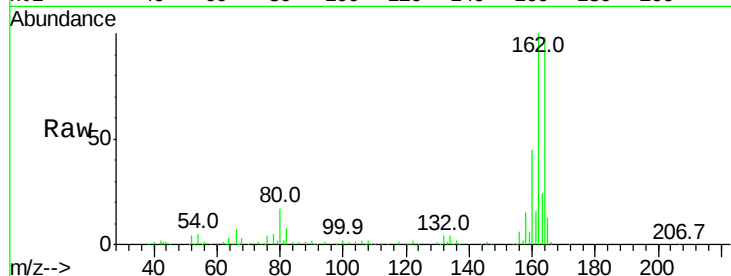
Tot Ion:164 Resp: 170098

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

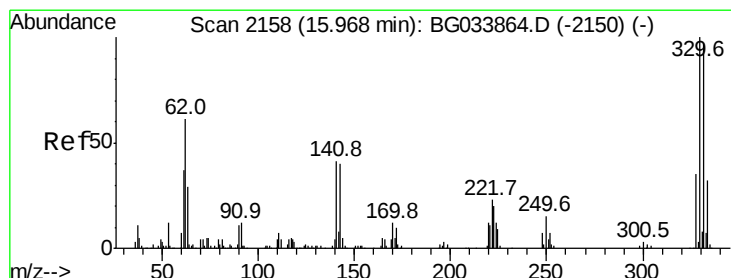
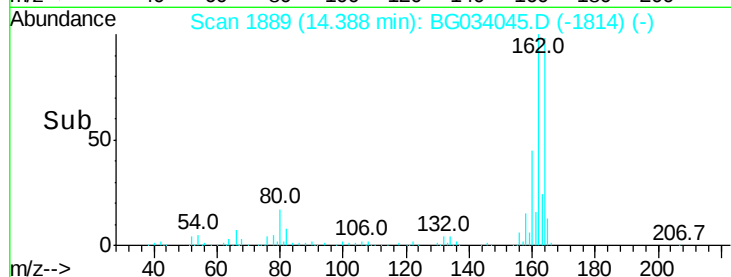
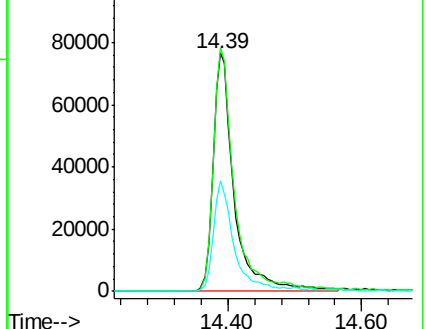
160 46.4 35.4 53.0



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: 163.837 ng

RT: 15.89 min Scan# 2144

Delta R.T. -0.08 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

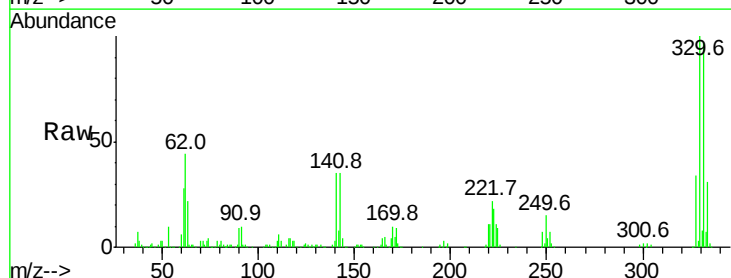
Tgt Ion:330 Resp: 325129

Ion Ratio Lower Upper

330 100

332 99.8 77.0 115.6

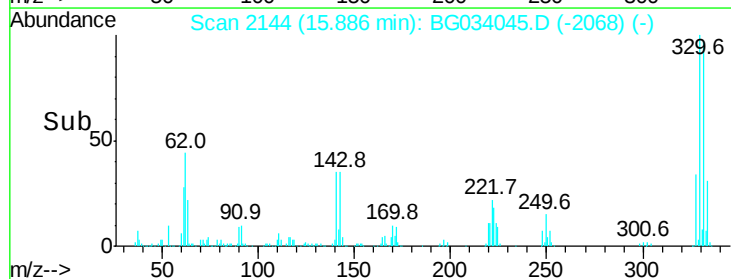
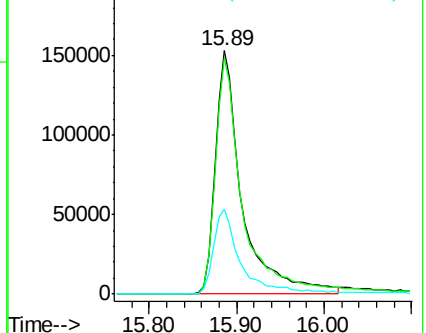
141 37.4 25.2 37.8

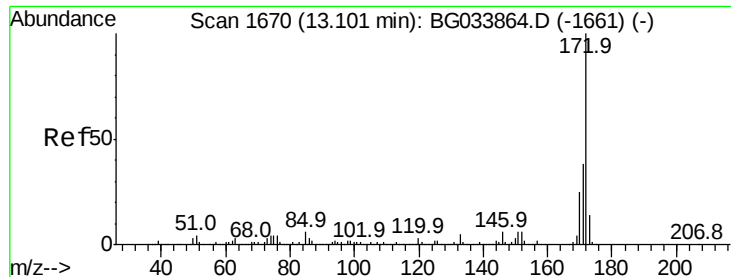


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

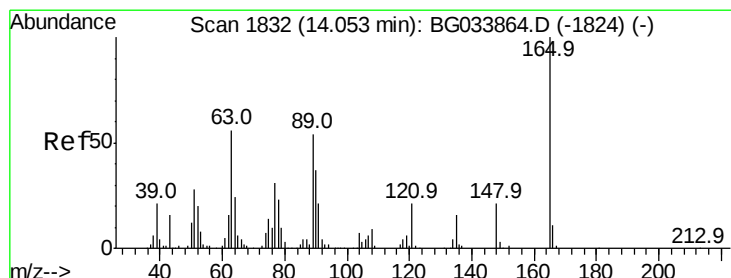
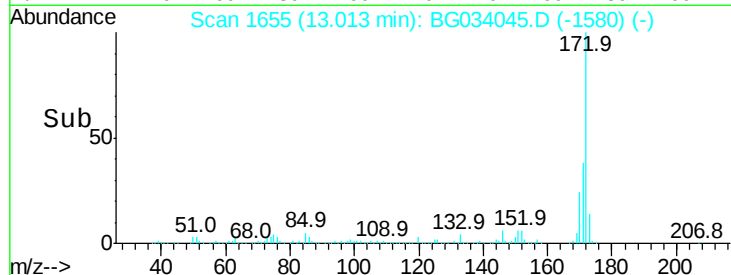
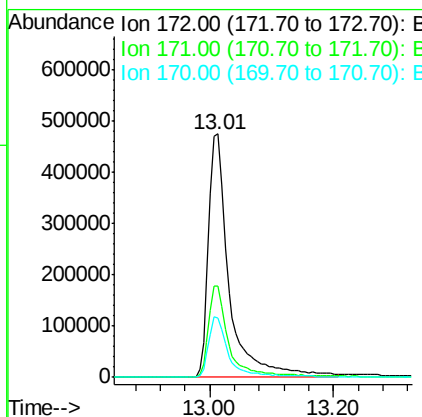
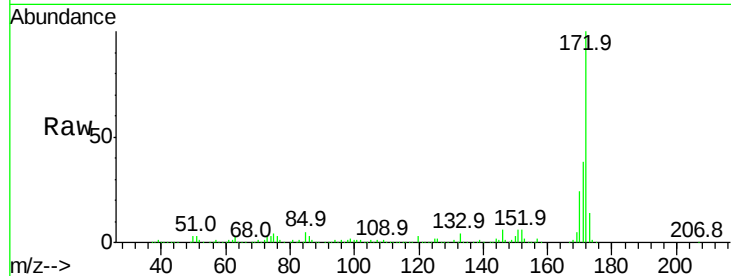




#44
2-Fluorobiphenyl
Concen: 95.321 ng
RT: 13.01 min Scan# 1655
Delta R.T. -0.09 min
Lab File: BG034045.D
Acq: 27 Apr 2018 18:53

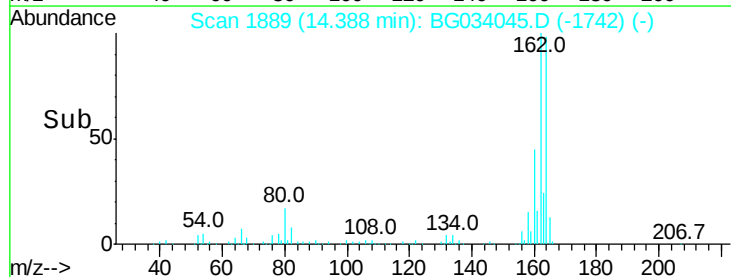
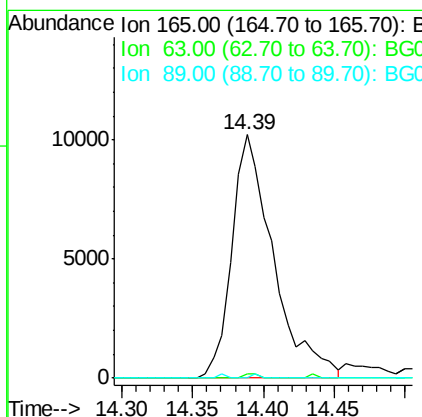
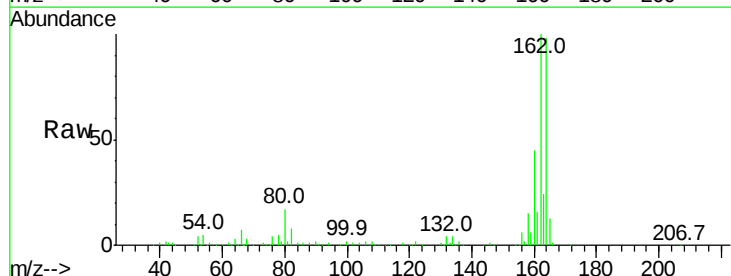
Instrument :
BNA_G
ClientSampleId :

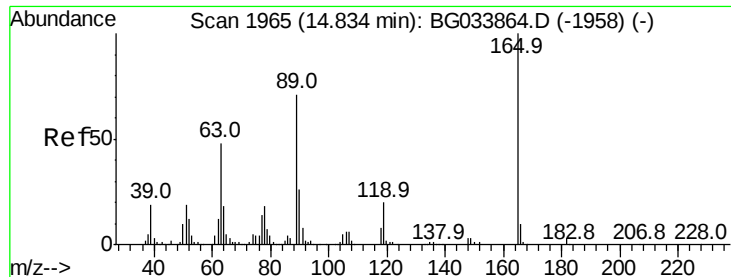
Tot Ion:172 Resp: 1103717
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 24.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.404 ng
RT: 14.39 min Scan# 1889
Delta R.T. 0.34 min
Lab File: BG034045.D
Acq: 27 Apr 2018 18:53

Tgt Ion:165 Resp: 20994
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.568 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

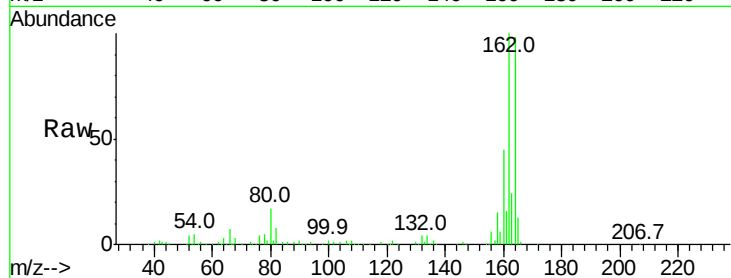
Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 20994

Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 0.0 66.9 100.3#

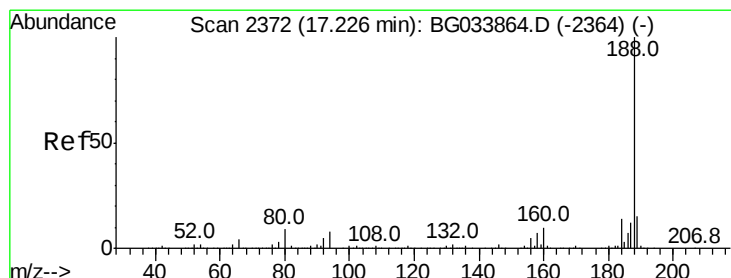
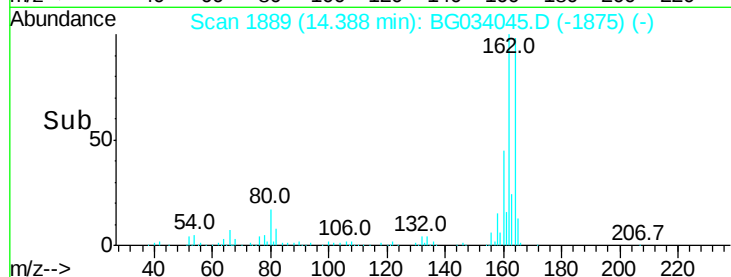
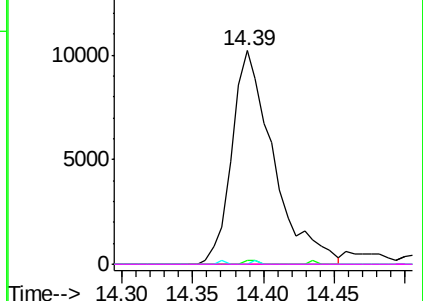
182 0.0 2.6 3.8#

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: 17.14 min Scan# 2358

Delta R.T. -0.08 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Tgt Ion:188 Resp: 479181

Ion Ratio Lower Upper

188 100

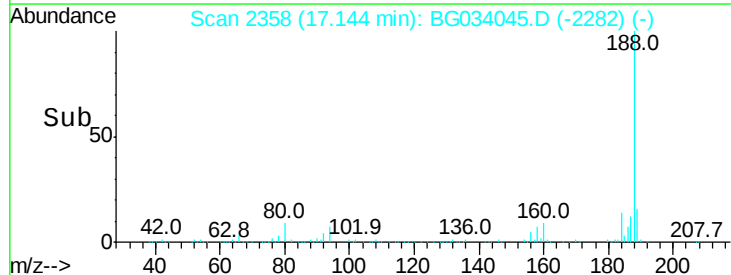
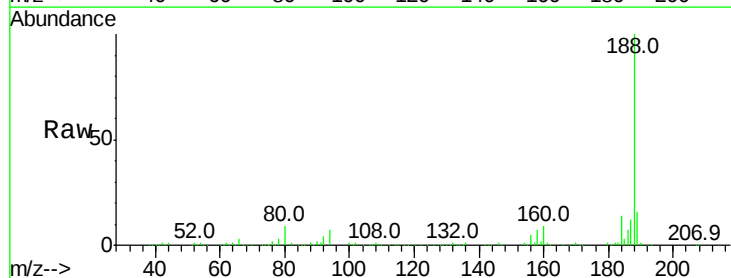
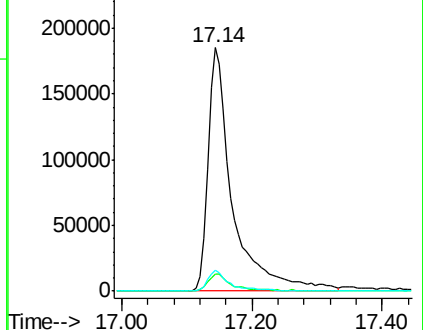
94 7.2 6.9 10.3

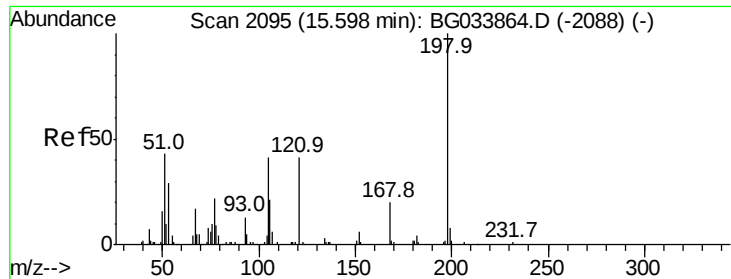
80 8.7 7.7 11.5

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





#64

4,6-Dinitro-2-methylphenol

Concen: 6.956 ng

RT: 15.88 min Scan# 2143

Delta R.T. 0.28 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Instrument :

BNA_G

ClientSampleId :

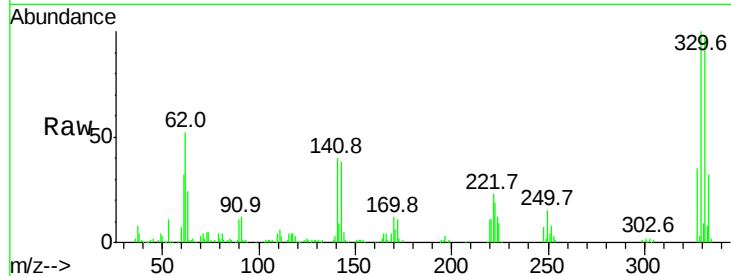
Tot Ion:198 Resp: 1246

Ion Ratio Lower Upper

198 100

51 20.4 30.6 70.6#

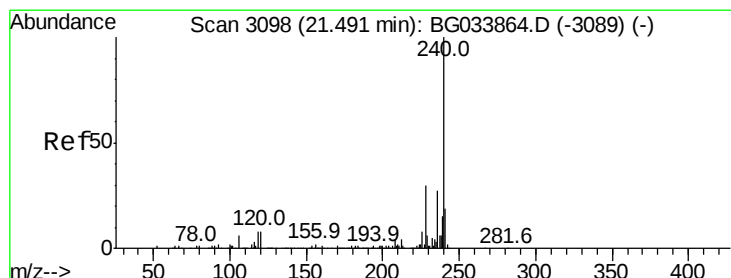
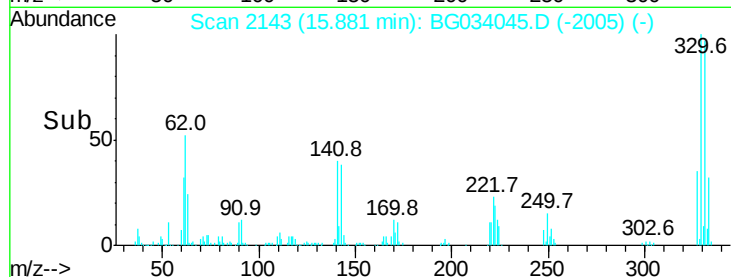
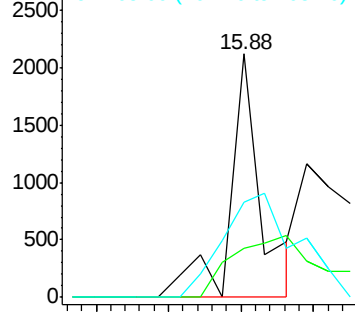
105 39.3 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

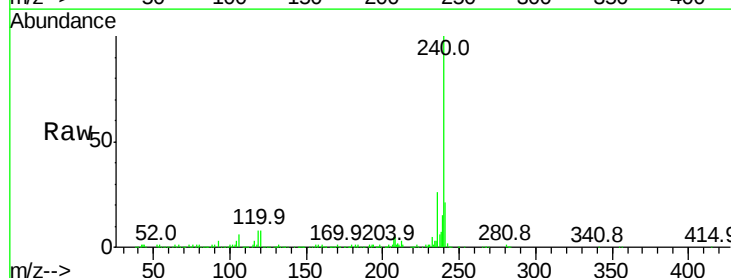
Tgt Ion:240 Resp: 549178

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

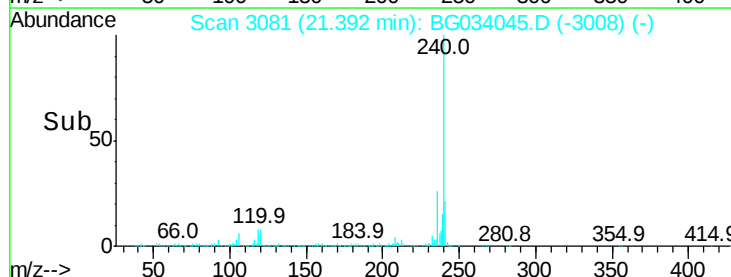
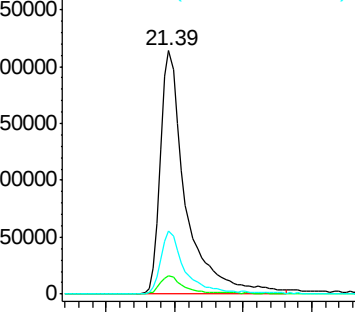
236 25.9 20.9 31.3

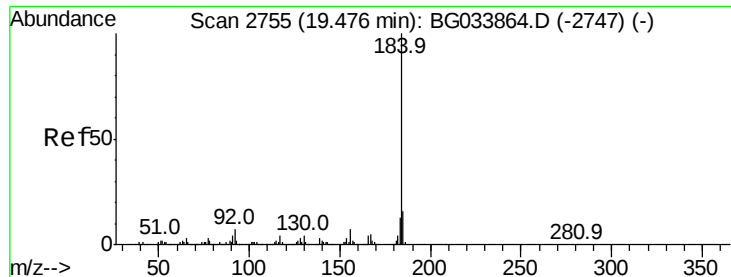


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.430 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

Instrument :

BNA_G

ClientSampleId :

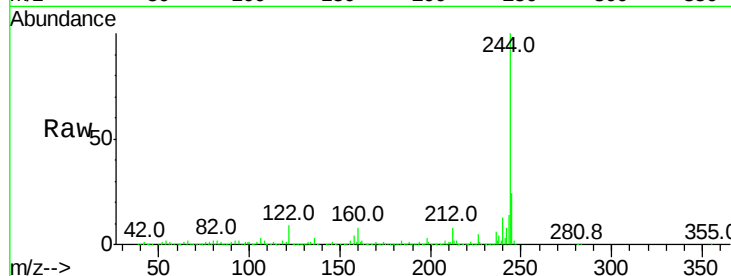
Tot Ion:184 Resp: 36032

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

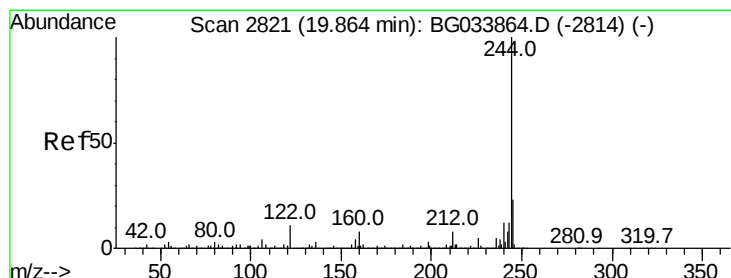
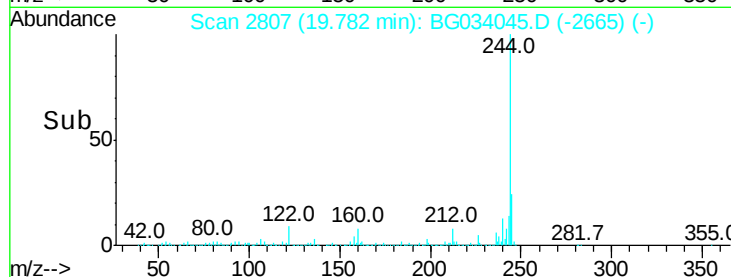
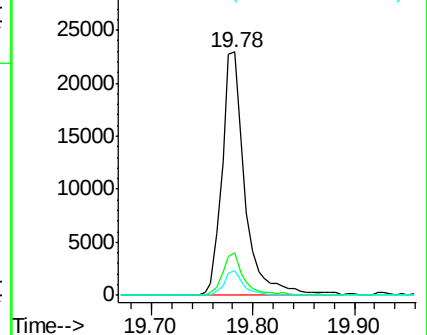
183 10.4 10.6 16.0#



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: 100.941 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034045.D

Acq: 27 Apr 2018 18:53

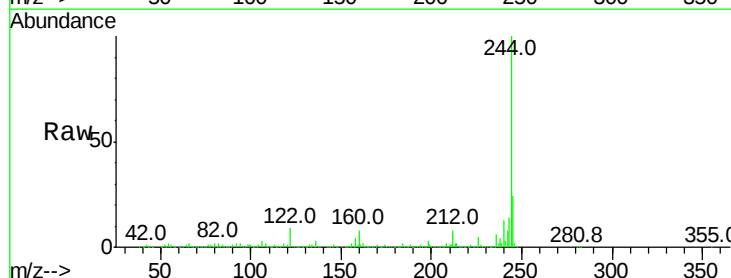
Tgt Ion:244 Resp: 2467477

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

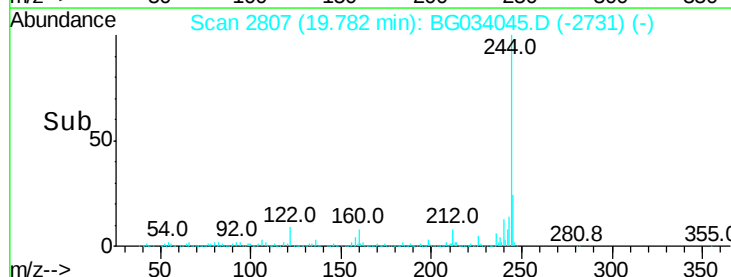
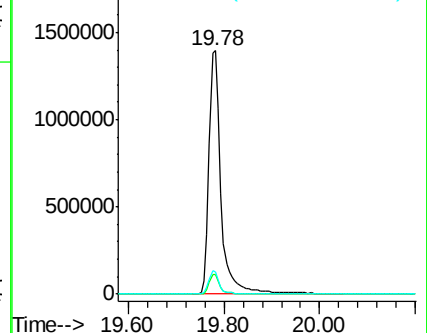
122 9.2 7.0 10.4

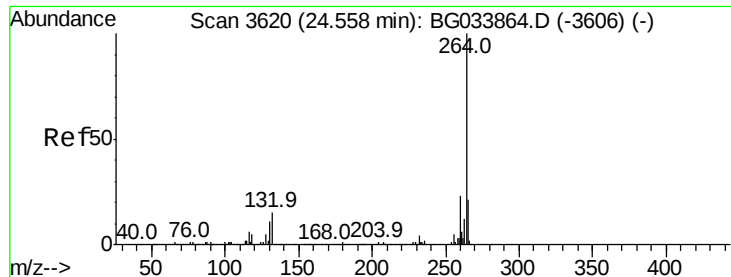


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

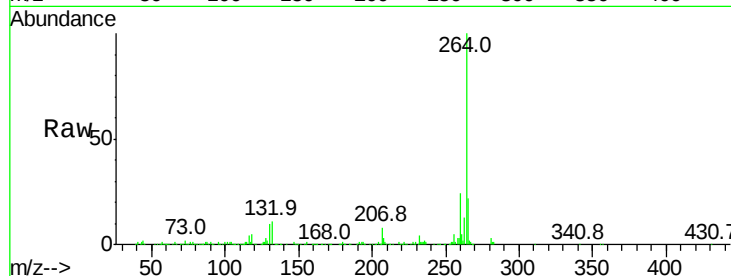




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.39 min Scan# 3591
 Delta R.T. -0.17 min
 Lab File: BG034045.D
 Acq: 27 Apr 2018 18:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.5	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

