

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072718\
 Data File : BG035932.D
 Acq On : 27 Jul 2018 11:33
 Operator : JU/SJ
 Sample : PB111401BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 27 13:54:16 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

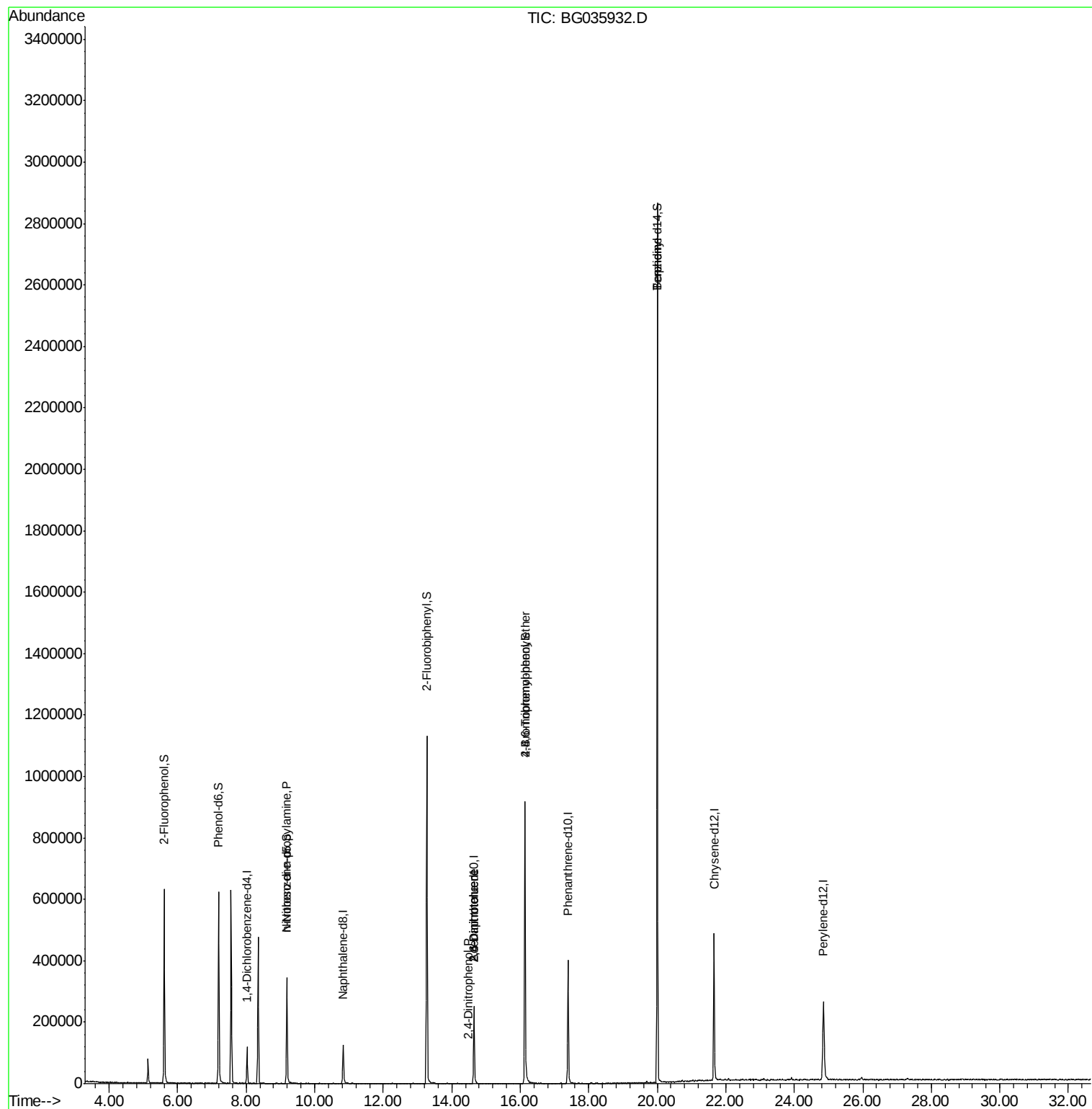
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	34672	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	126079	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	95671	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	290984	20.00	ng	0.00
75) Chrysene-d12	21.65	240	330303	20.00	ng	0.00
86) Perylene-d12	24.86	264	313043	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	278652	133.43	ng	0.00
7) Phenol-d6	7.19	99	397272	127.50	ng	0.00
23) Nitrobenzene-d5	9.18	82	254022	84.17	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	199054	157.85	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	648497	90.81	ng	0.00
78) Terphenyl-d14	20.00	244	1425347	95.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	34874	13.291	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	12892	7.553	ng	# 21
53) 2,4-Dinitrophenol	14.48	184	71	6.656	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	12892	5.265	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	15053	4.459	ng	# 1
76) Benzidine	20.00	184	24927	2.871	ng	# 92

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

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QLast Update : Wed Jul 25 11:04:14 2018
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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: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

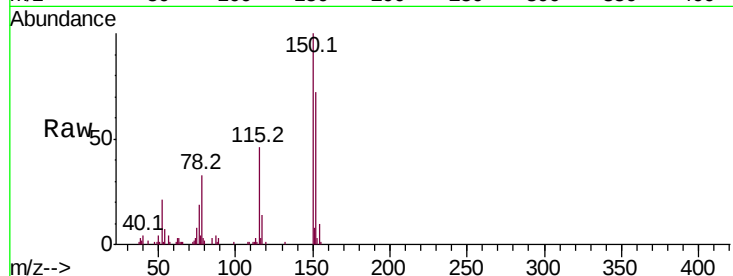
Tot Ion:152 Resp: 34672

Ion Ratio Lower Upper

152 100

150 139.1 126.6 189.8

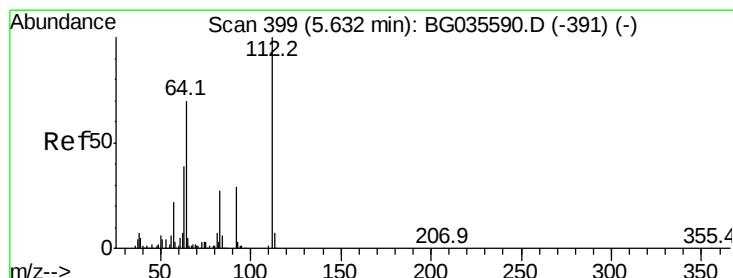
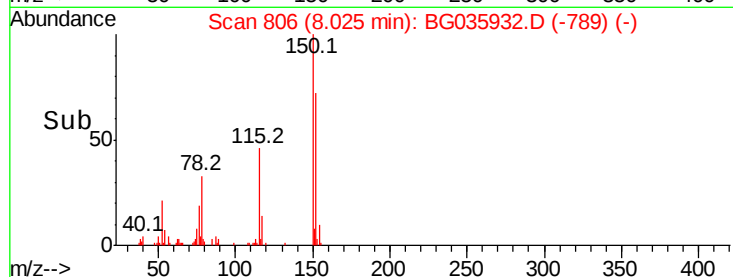
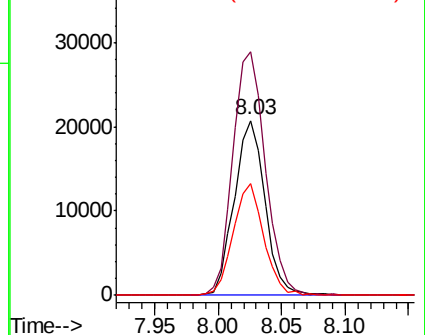
115 63.8 53.0 79.4



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: 133.430 ng

RT: 5.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

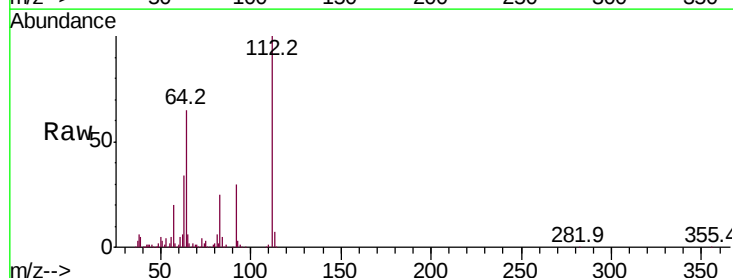
Tgt Ion:112 Resp: 278652

Ion Ratio Lower Upper

112 100

64 64.9 56.3 84.5

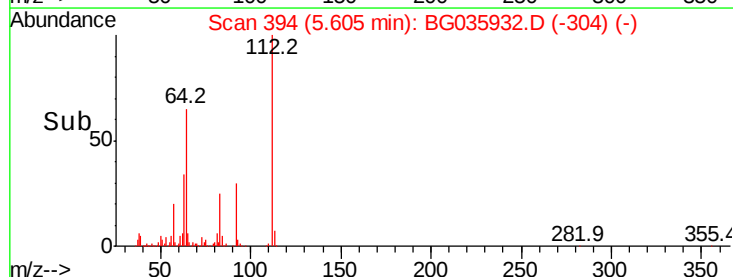
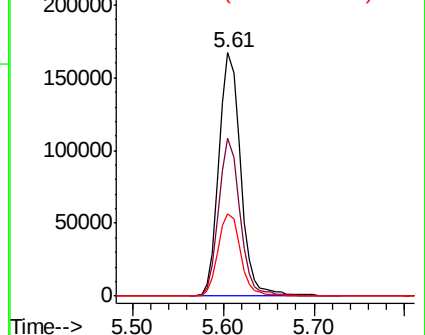
63 33.9 30.1 45.1

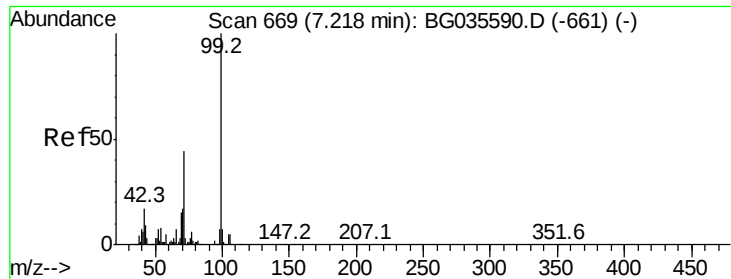


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 127.501 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampled :

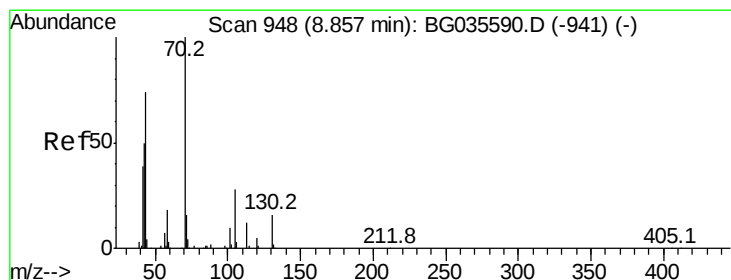
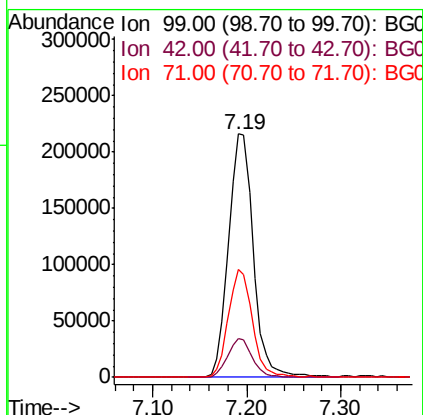
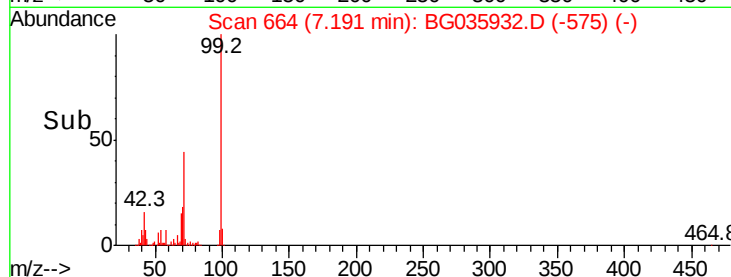
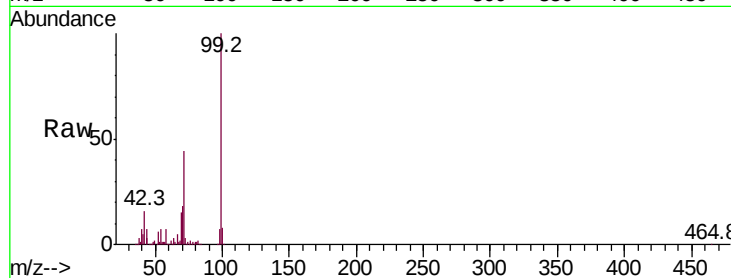
Tot Ion: 99 Resp: 397272

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 44.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.291 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Tgt Ion: 70 Resp: 34874

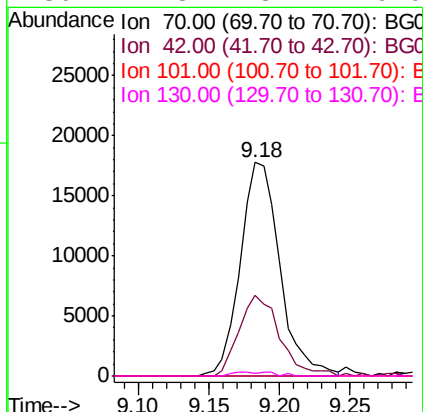
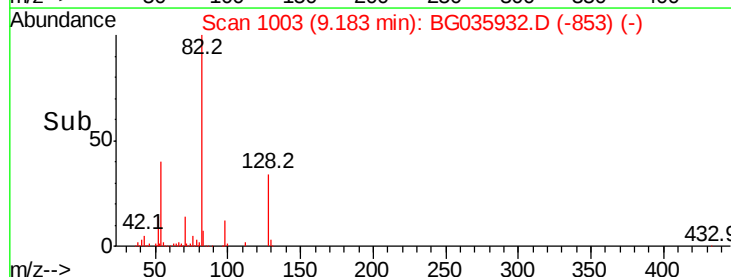
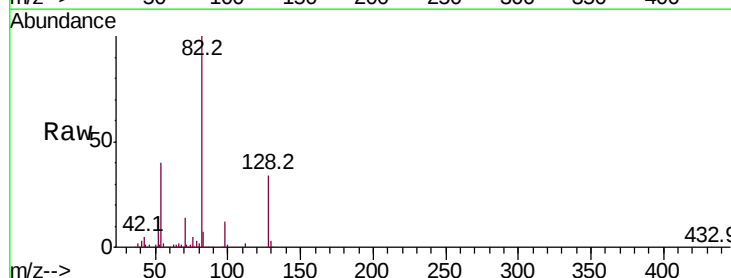
Ion Ratio Lower Upper

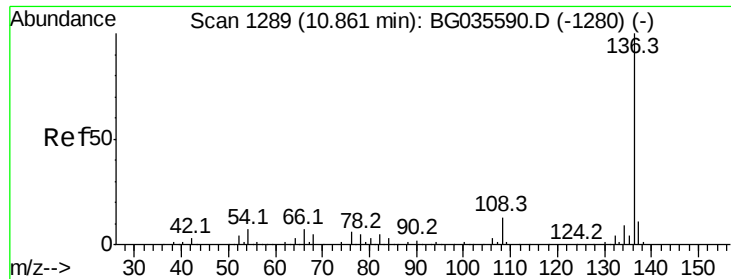
70 100

42 37.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

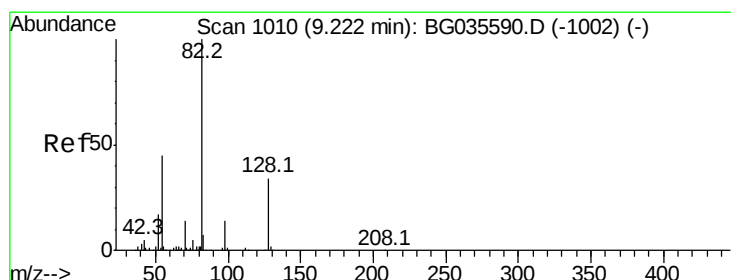
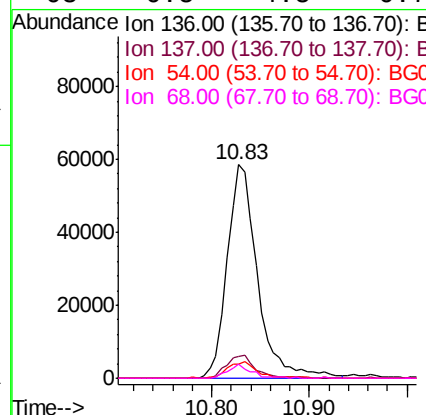
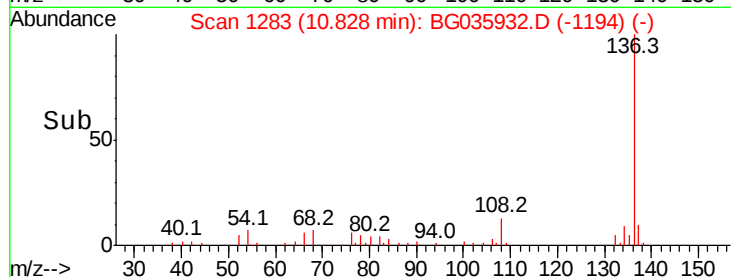
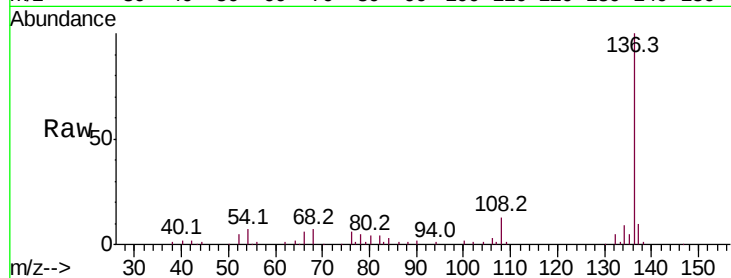




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

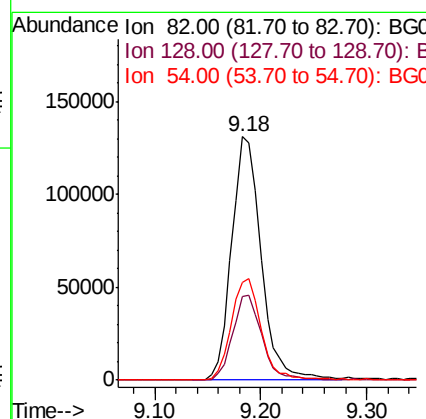
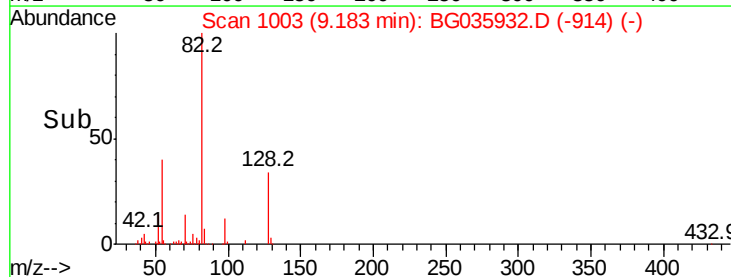
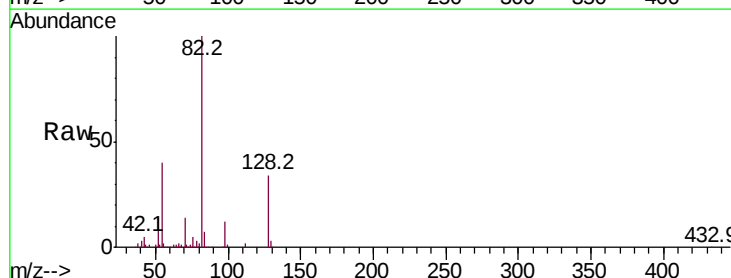
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	126079
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	6.8	10.3	15.5
68	6.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 84.167 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BG035932.D
Acq: 27 Jul 2018 11:33

Tgt Ion:	82	Resp:	254022
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	40.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

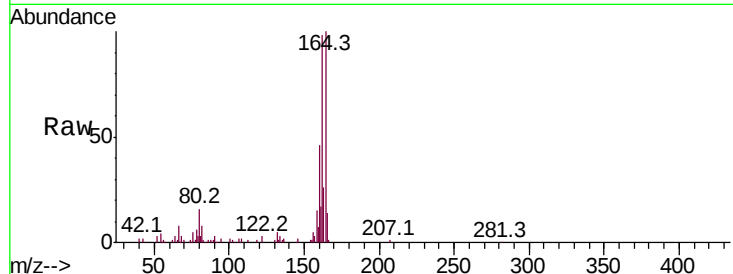
Tot Ion:164 Resp: 95671

Ion Ratio Lower Upper

164 100

162 97.8 78.8 118.2

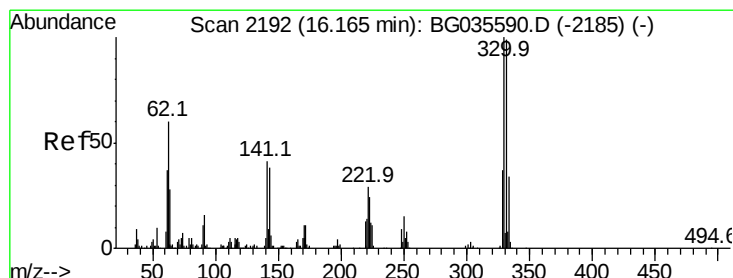
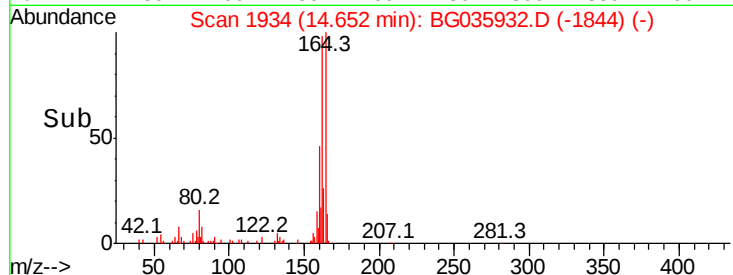
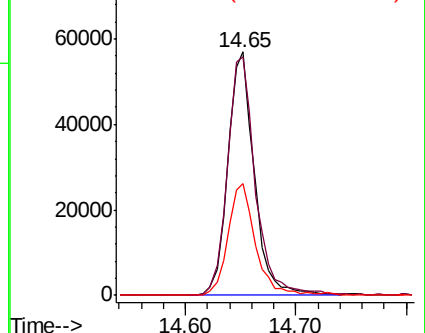
160 45.7 35.4 53.0



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: 157.853 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

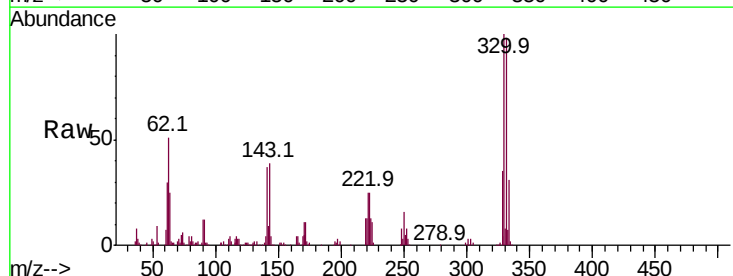
Tgt Ion:330 Resp: 199054

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

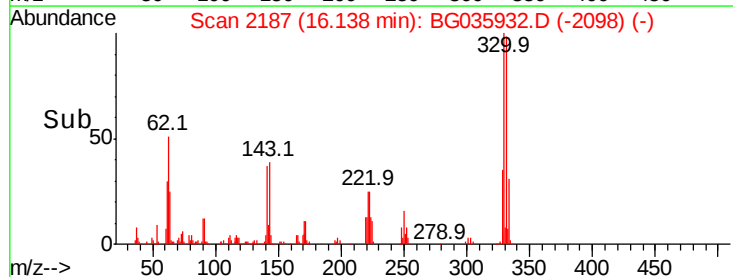
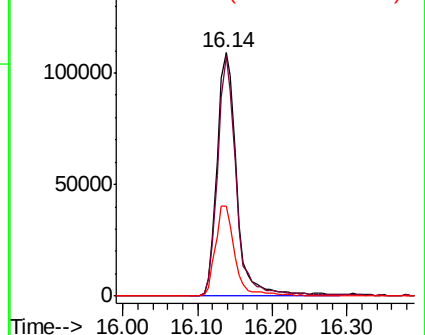
141 36.2 25.2 37.8

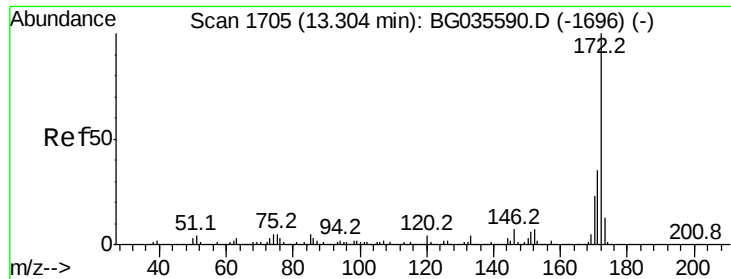


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

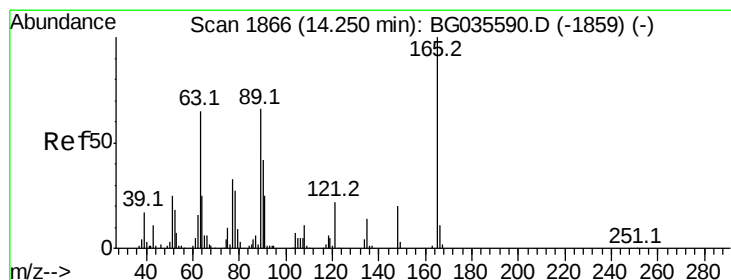
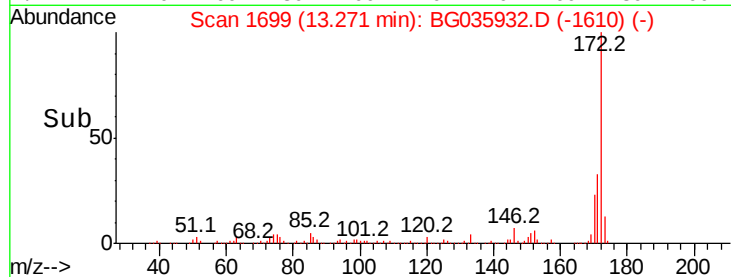
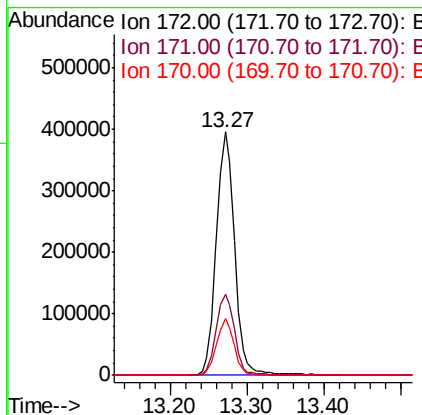
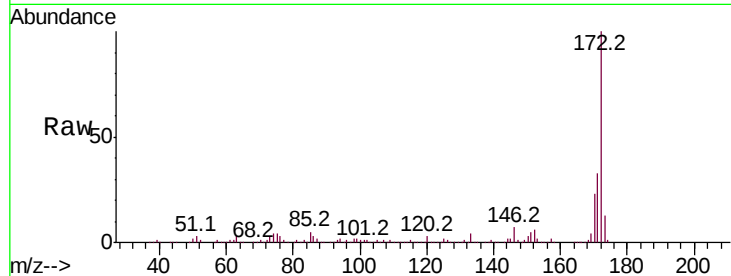




#44
 2-Fluorobiphenyl
 Concen: 90.813 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

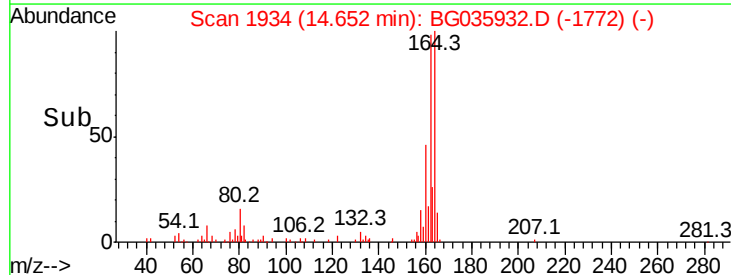
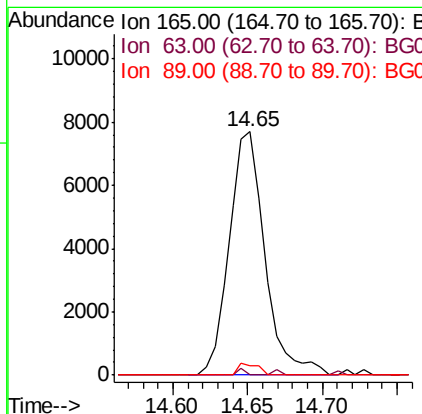
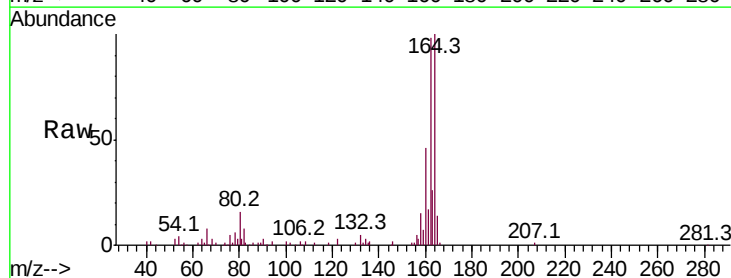
Instrument :
 BNA_G
 ClientSampleId :

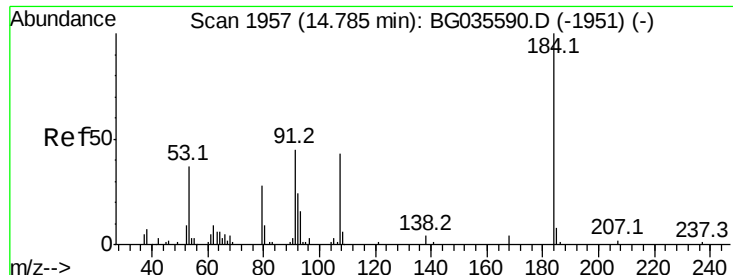
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.0	45.0
170	23.1	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.553 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035932.D
 Acq: 27 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	4.0	49.2	73.8#





#53

2,4-Dinitrophenol

Concen: 6.656 ng

RT: 14.48 min Scan# 1905

Delta R.T. -0.28 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

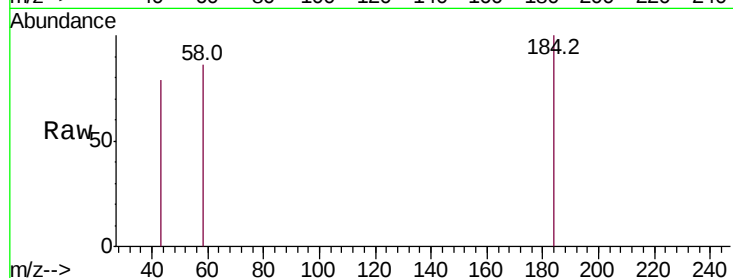
Tot Ion:184 Resp: 71

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#

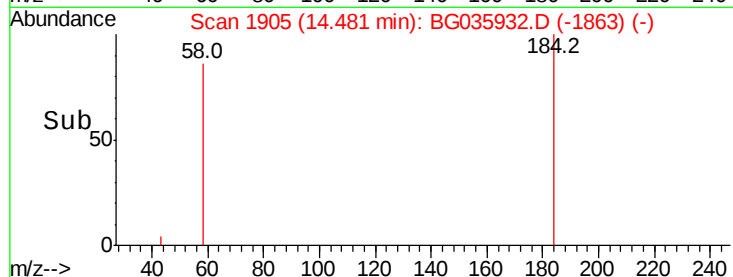


Abundance Ion 184.00 (183.70 to 184.70): E

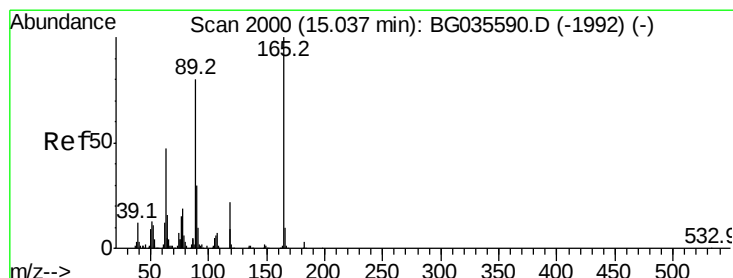
Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

14.48



Time--> 14.46 14.48 14.50



#56

2,4-Dinitrotoluene

Concen: 5.265 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Tgt Ion:165 Resp: 12892

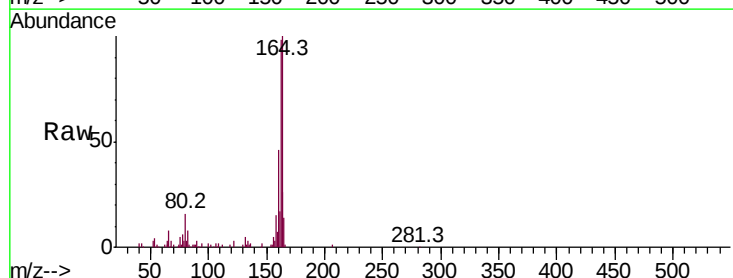
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 4.0 66.9 100.3#

182 0.0 2.6 3.8#



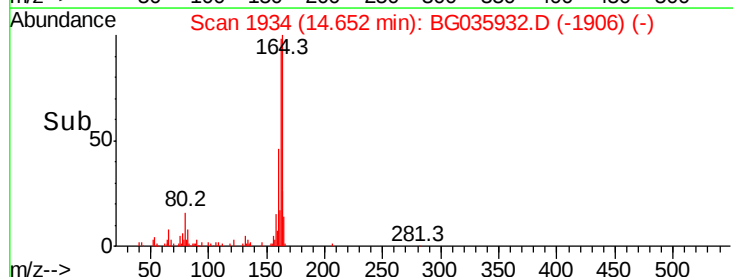
Abundance Ion 165.00 (164.70 to 165.70): E

12000 Ion 63.00 (62.70 to 63.70): BG

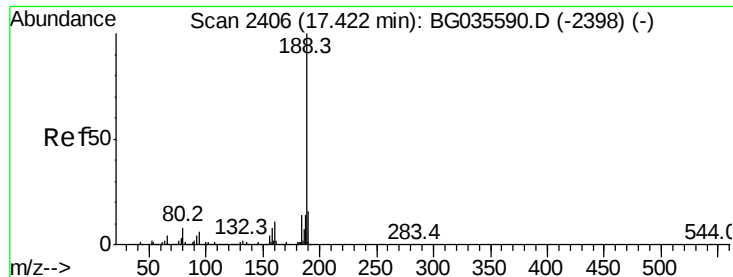
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E

14.65



Time--> 14.60 14.65 14.70



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

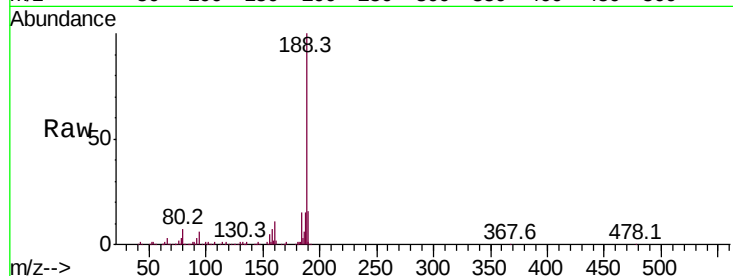
Tot Ion:188 Resp: 290984

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

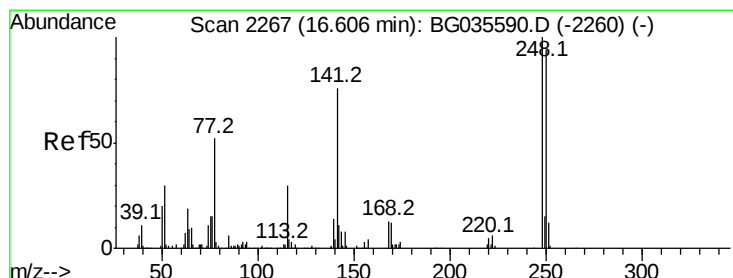
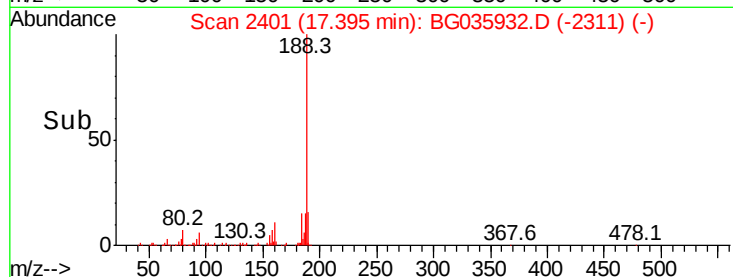
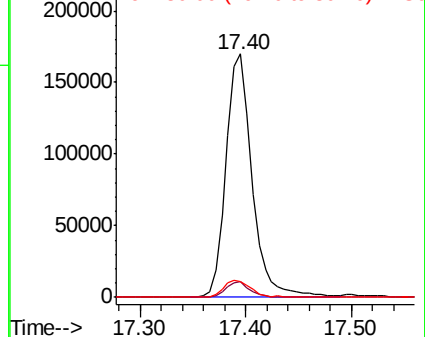
80 6.6 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.459 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

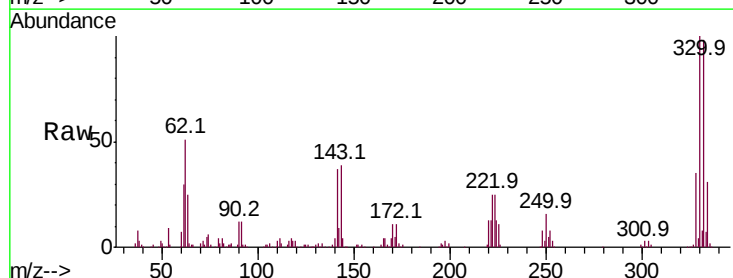
Tgt Ion:248 Resp: 15053

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

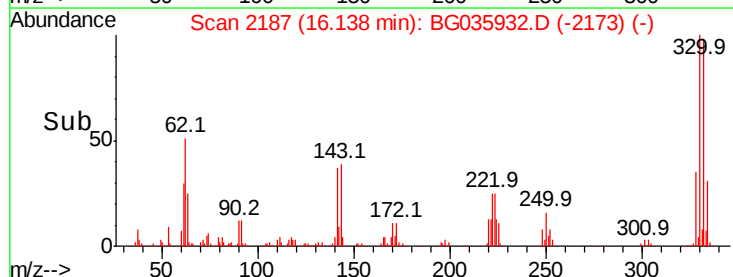
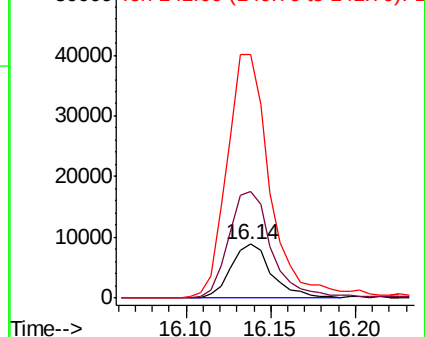
141 450.9 50.8 76.2#

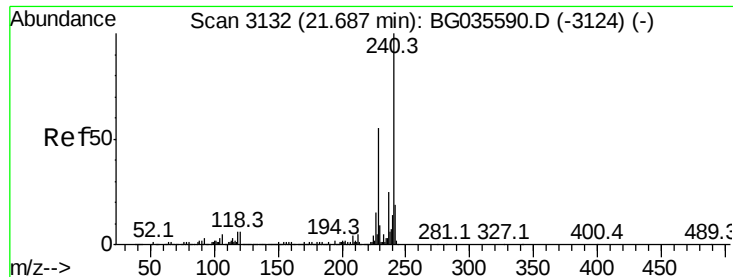


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

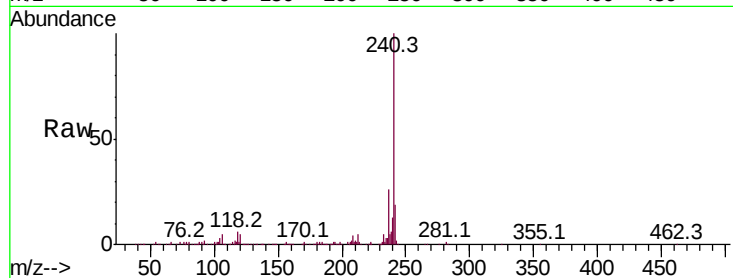
Tot Ion:240 Resp: 330303

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

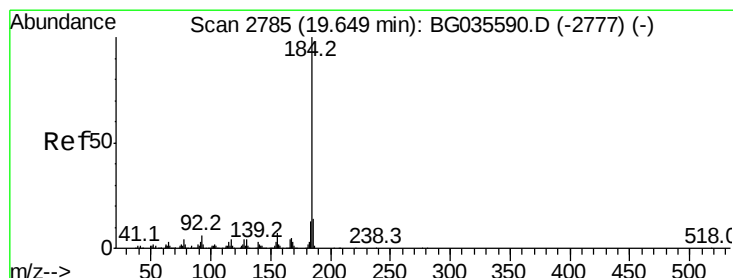
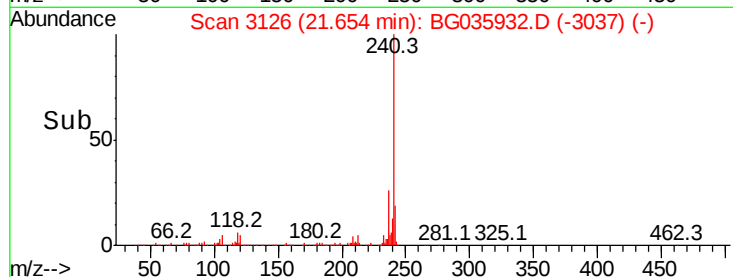
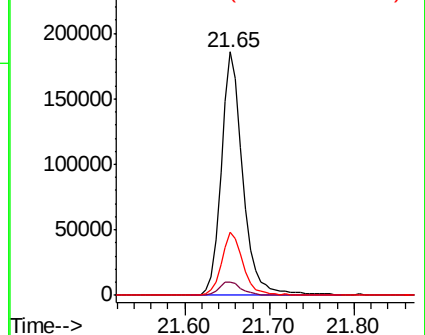
236 26.0 20.9 31.3



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: 2.871 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

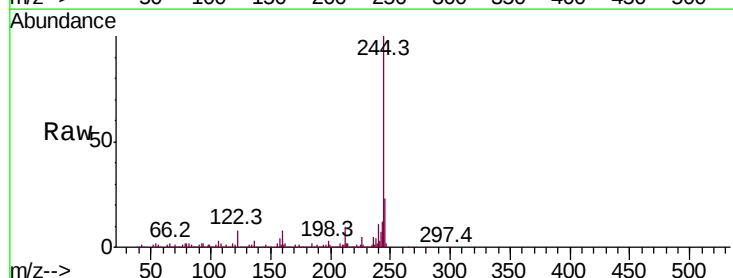
Tgt Ion:184 Resp: 24927

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

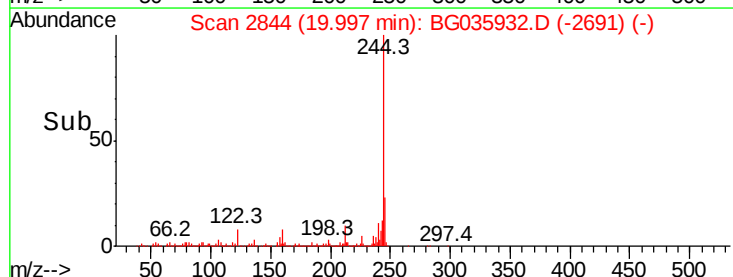
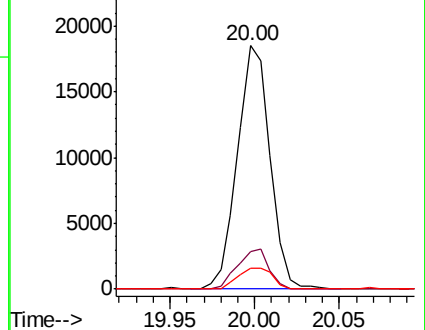
183 8.5 10.6 16.0#

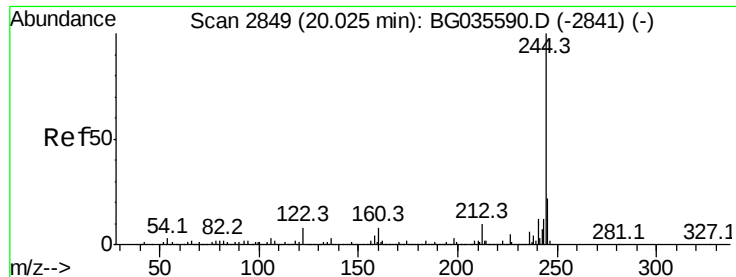


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.122 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

Instrument :

BNA_G

ClientSampled :

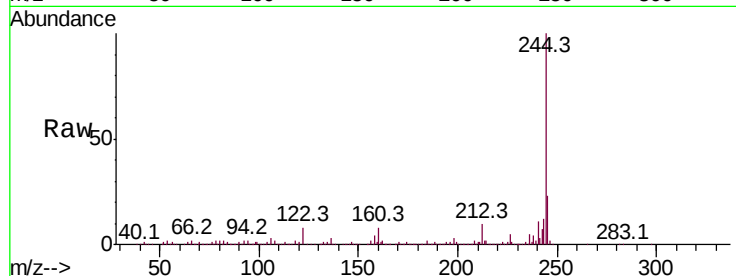
Tot Ion:244 Resp: 1425347

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

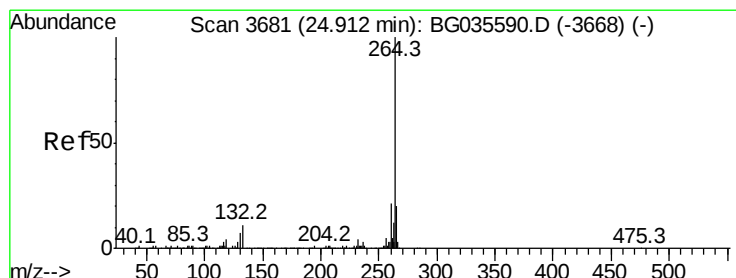
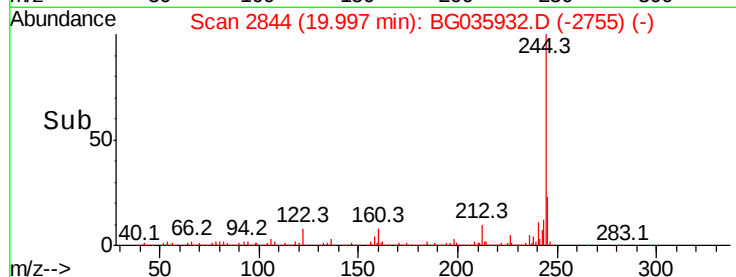
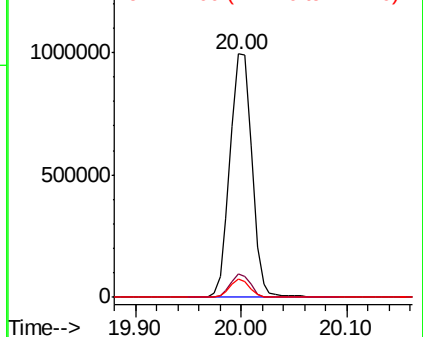
122 7.6 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG035932.D

Acq: 27 Jul 2018 11:33

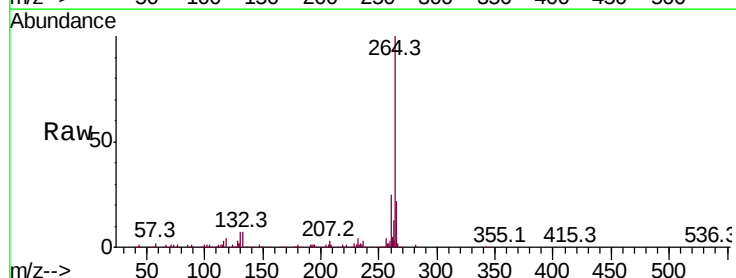
Tgt Ion:264 Resp: 313043

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 21.9 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

