

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035647.D
 Acq On : 14 Jul 2018 2:34
 Operator : JU/SJ
 Sample : J3975-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-7

Quant Time: Jul 14 04:01:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

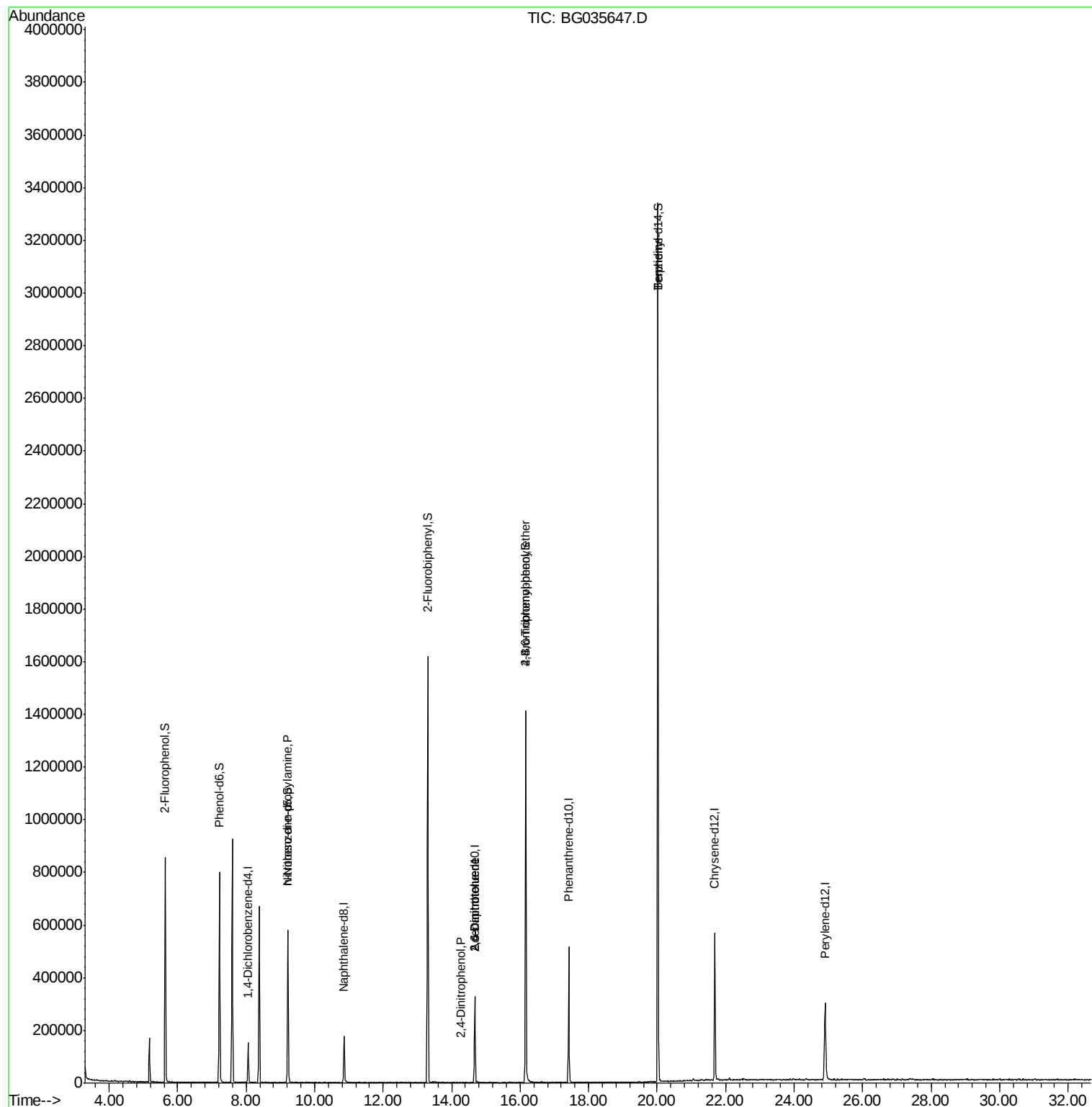
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	42961	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	152250	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	112488	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	321331	20.00	ng	0.00
75) Chrysene-d12	21.68	240	346961	20.00	ng	0.00
86) Perylene-d12	24.90	264	327079	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	357183	138.03	ng	0.00
7) Phenol-d6	7.22	99	460179	119.19	ng	0.00
23) Nitrobenzene-d5	9.22	82	376221	103.23	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	251483	169.62	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	848420	101.05	ng	0.00
78) Terphenyl-d14	20.03	244	1587333	100.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54700	16.825	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	15261	7.604	ng	# 22
53) 2,4-Dinitrophenol	14.27	184	63	6.638	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	15261	5.300	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	20122	5.398	ng	# 1
76) Benzidine	20.02	184	29153	3.196	ng	# 94

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

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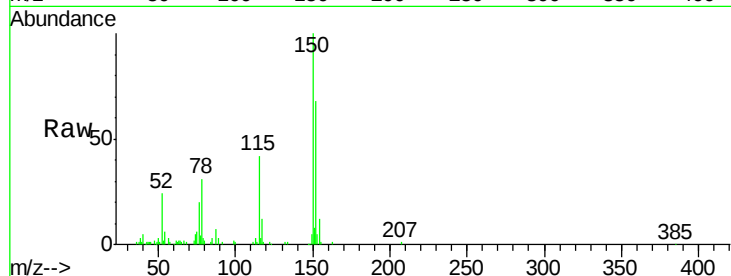


#1

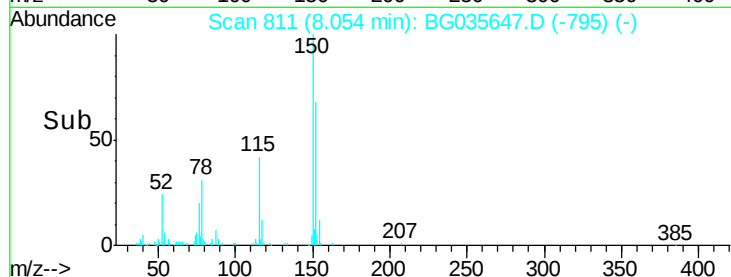
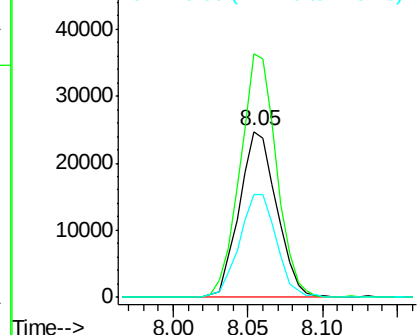
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:152 Resp: 42961
Ion Ratio Lower Upper
152 100
150 146.6 126.6 189.8
115 62.0 53.0 79.4



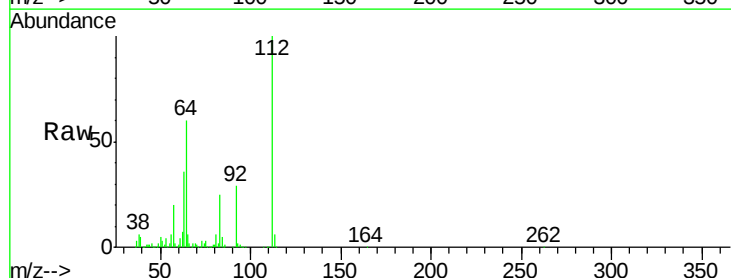
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



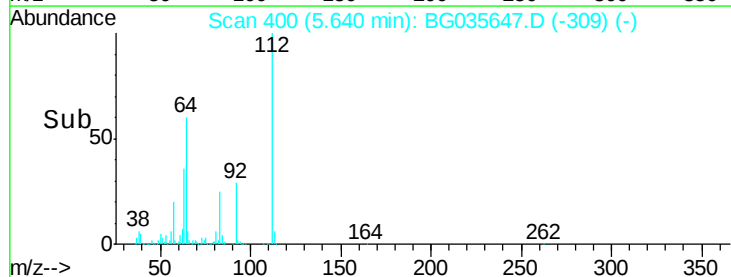
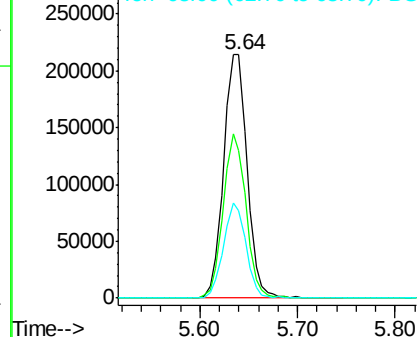
#5

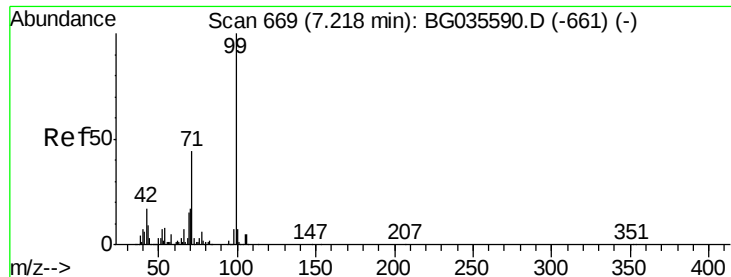
2-Fluorophenol
Concen: 138.034 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

Tgt Ion:112 Resp: 357183
Ion Ratio Lower Upper
112 100
64 60.5 56.3 84.5
63 35.8 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: 119.195 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Instrument :

BNA_G

ClientSampleId :

PAR-7

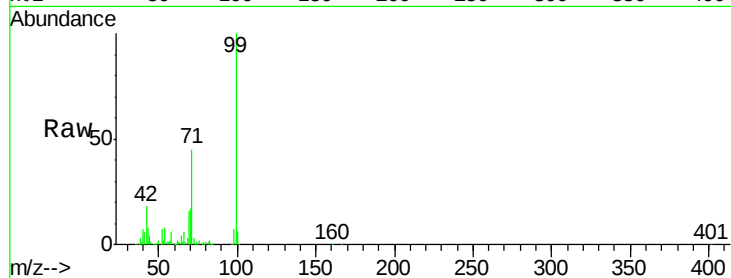
Tgt Ion: 99 Resp: 460179

Ion Ratio Lower Upper

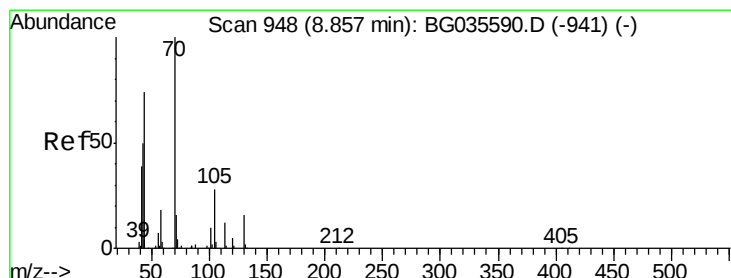
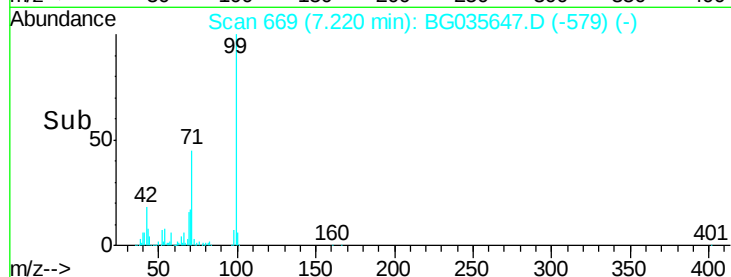
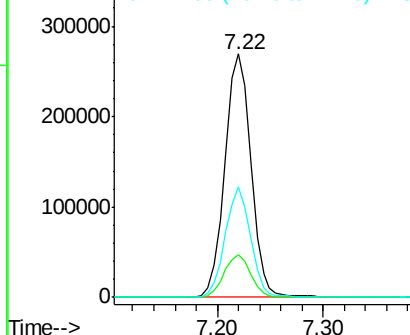
99 100

42 17.8 14.1 21.1

71 45.4 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: 16.825 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Tgt Ion: 70 Resp: 54700

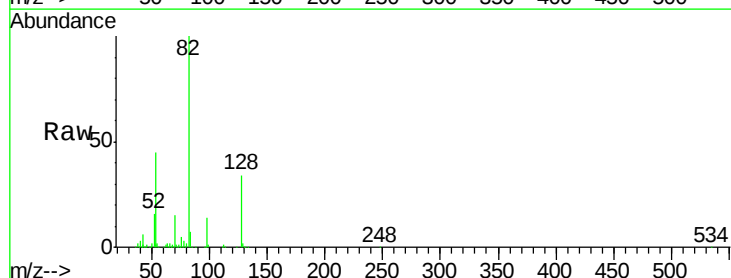
Ion Ratio Lower Upper

70 100

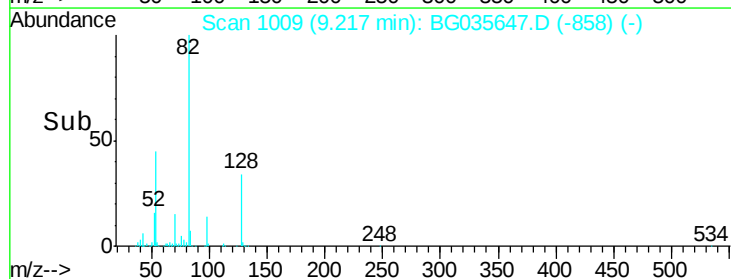
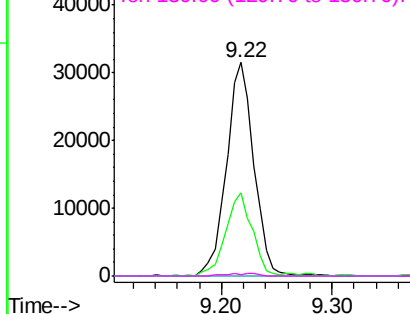
42 38.8 49.1 73.7#

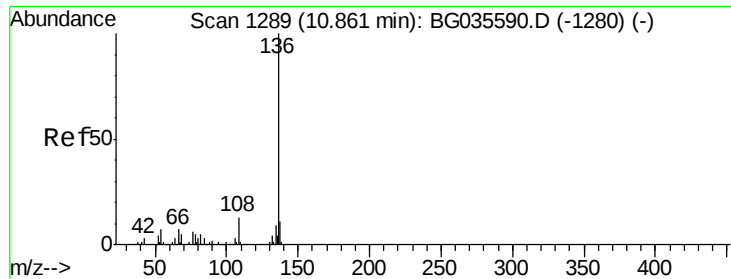
101 0.0 8.5 12.7#

130 0.7 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

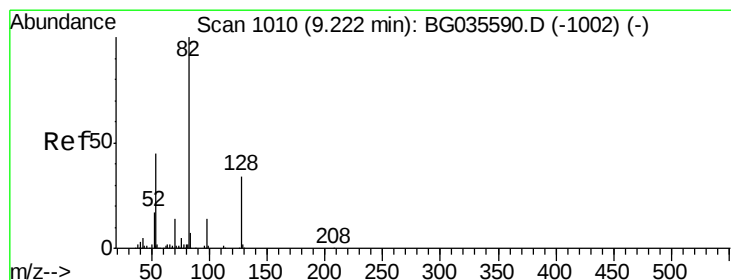
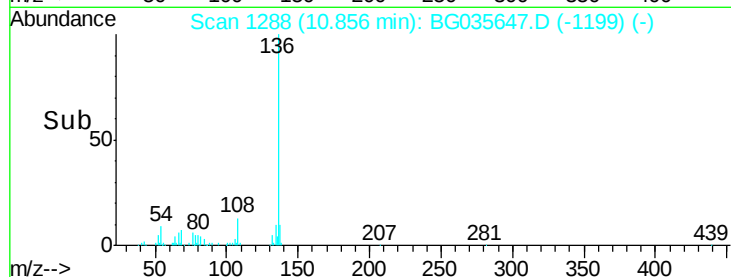
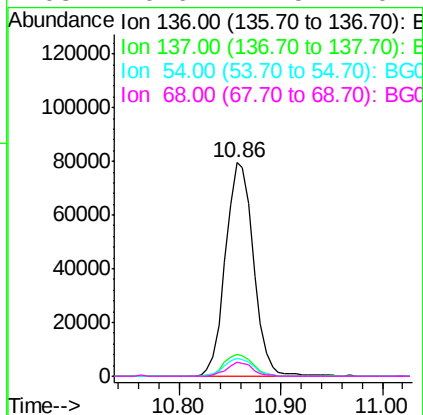
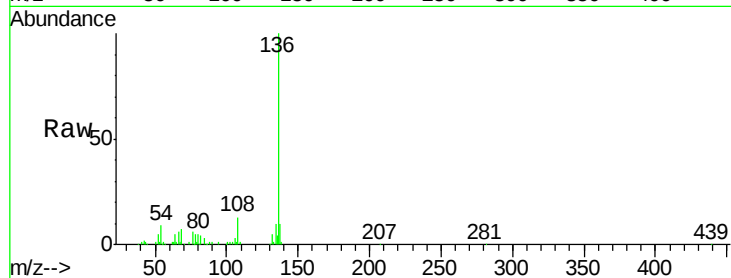




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

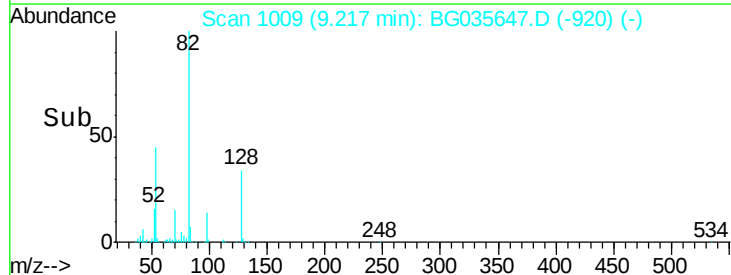
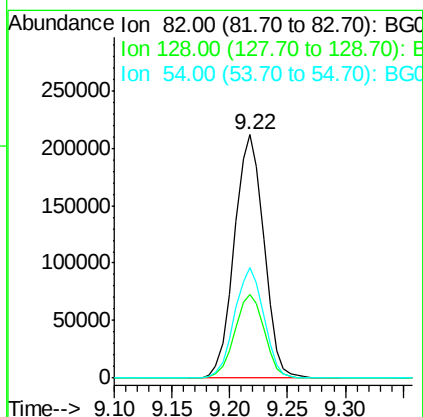
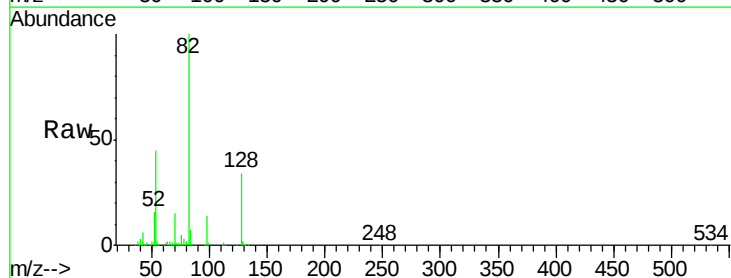
Instrument :
BNA_G
ClientSampleId :
PAR-7

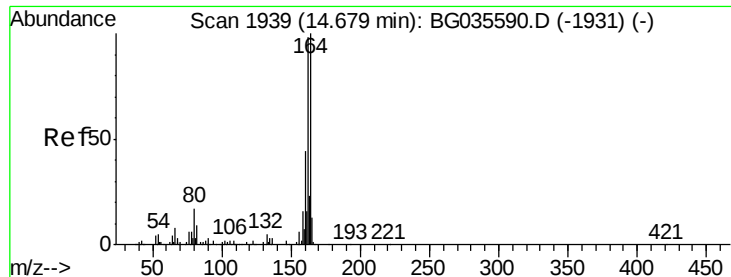
Tgt Ion:	136	Resp:	152250
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	8.7	10.3	15.5
68	6.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 103.228 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

Tgt Ion:	82	Resp:	376221
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	45.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Instrument :

BNA_G

ClientSampleId :

PAR-7

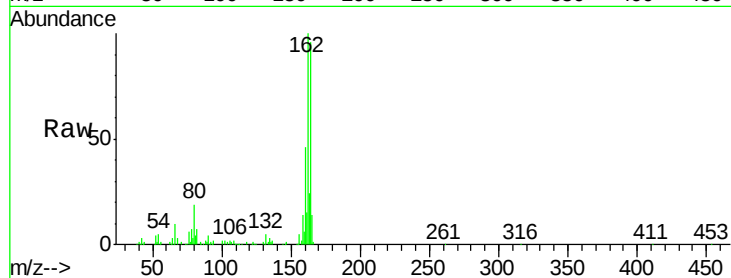
Tgt Ion:164 Resp: 112488

Ion Ratio Lower Upper

164 100

162 104.2 78.8 118.2

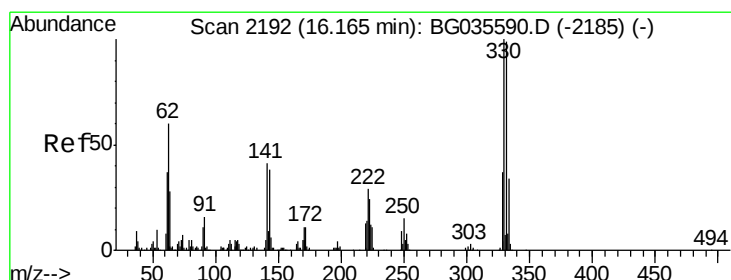
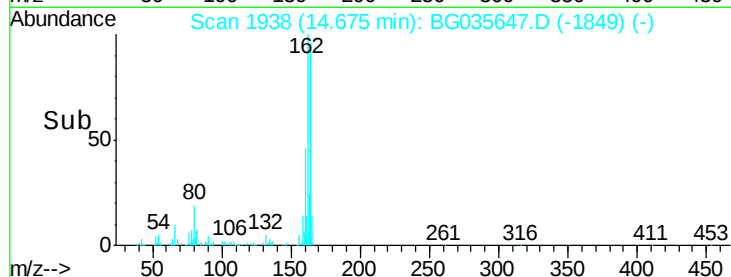
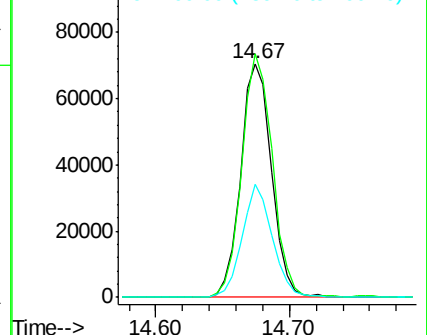
160 48.3 35.4 53.0



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: 169.616 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

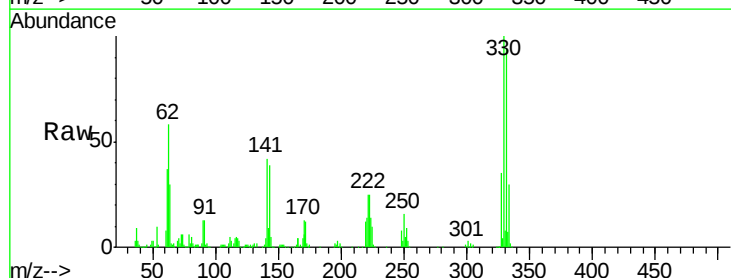
Tgt Ion:330 Resp: 251483

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

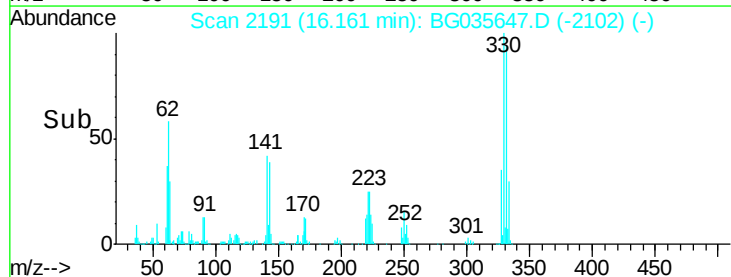
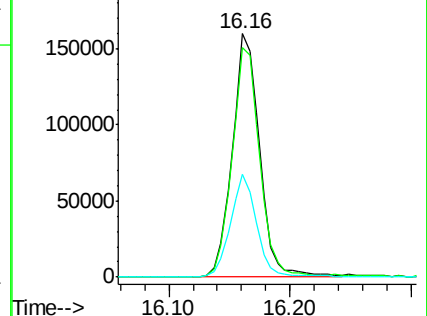
141 39.8 25.2 37.8#

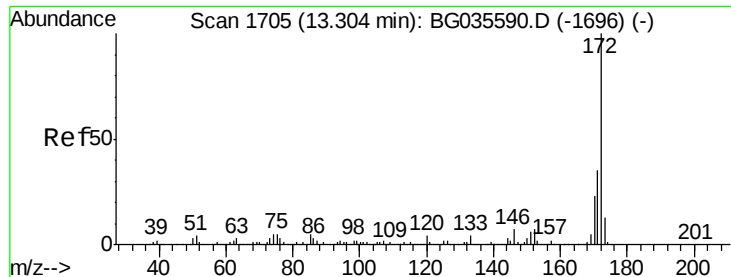


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

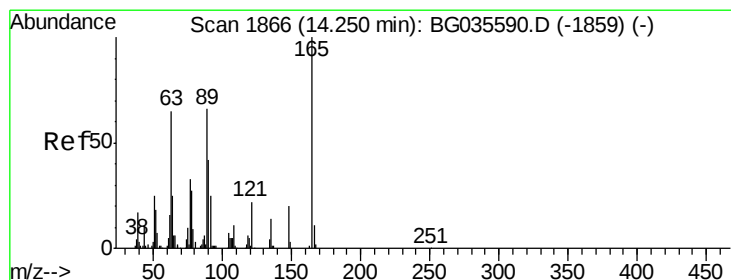
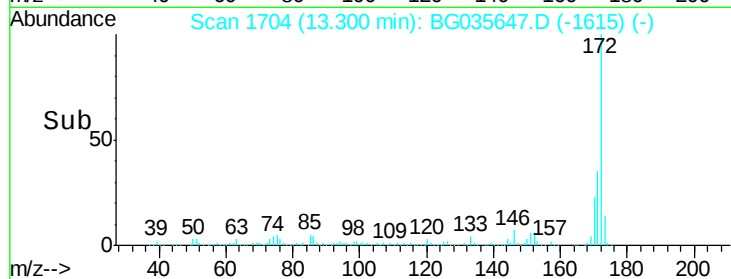
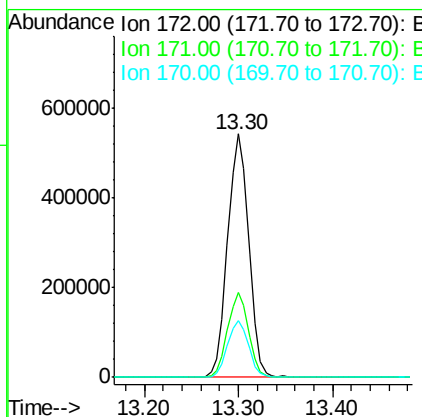
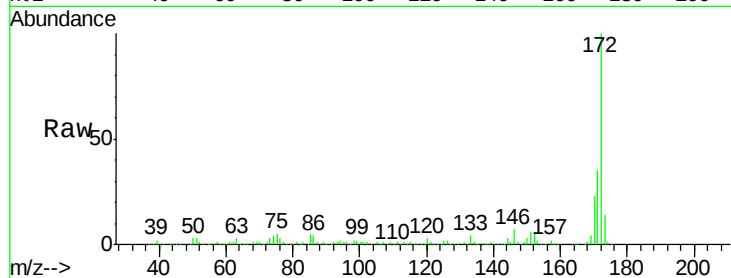




#44
 2-Fluorobiphenyl
 Concen: 101.047 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG035647.D
 Acq: 14 Jul 2018 2:34

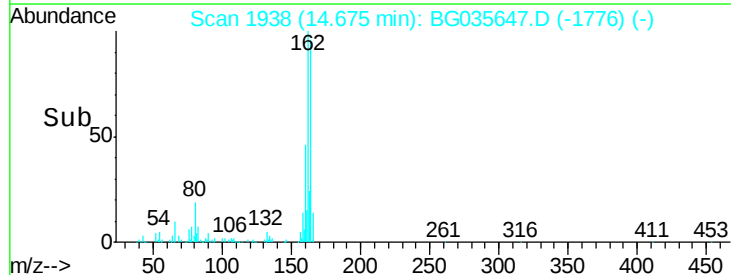
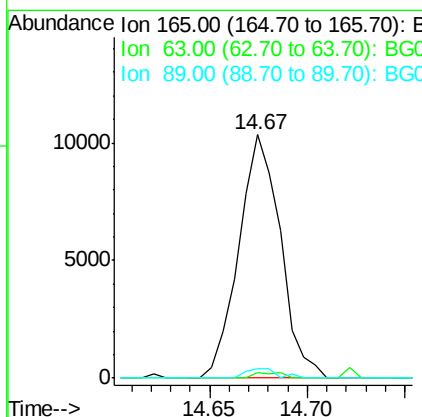
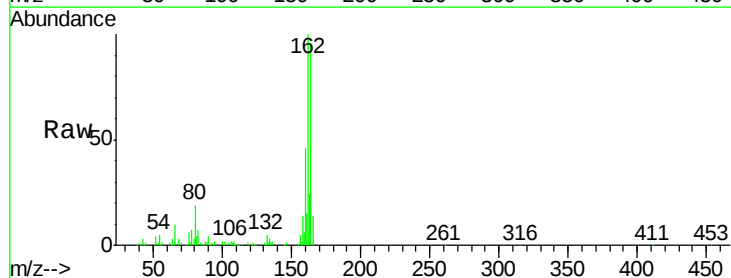
Instrument :
 BNA_G
 ClientSampleId :
 PAR-7

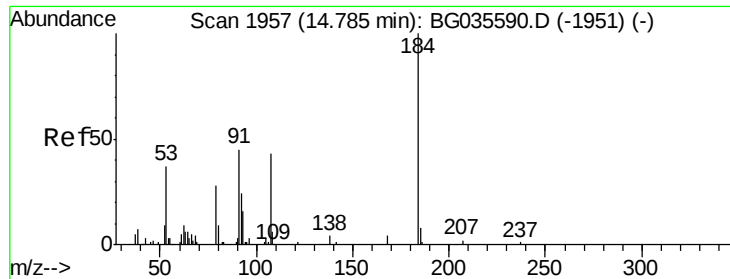
Tgt Ion:172 Resp: 848420
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.0 45.0
 170 23.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.604 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035647.D
 Acq: 14 Jul 2018 2:34

Tgt Ion:165 Resp: 15261
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 4.0 49.2 73.8#

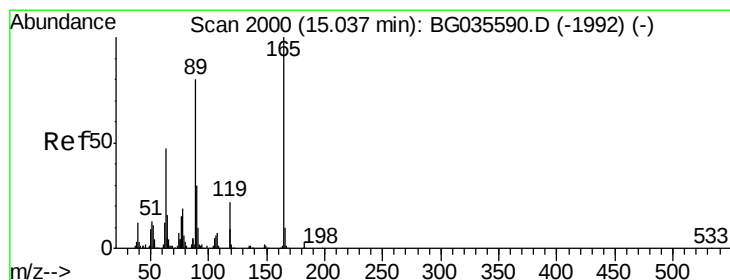
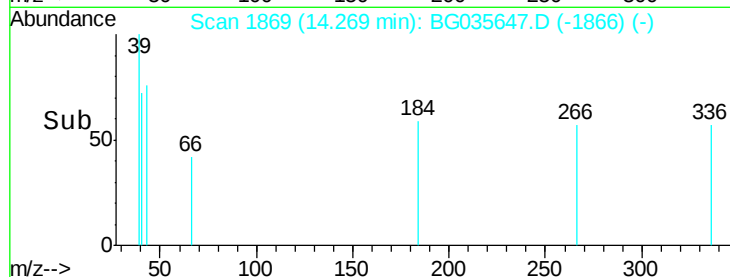
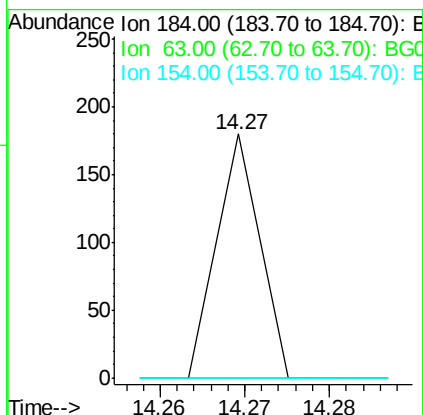
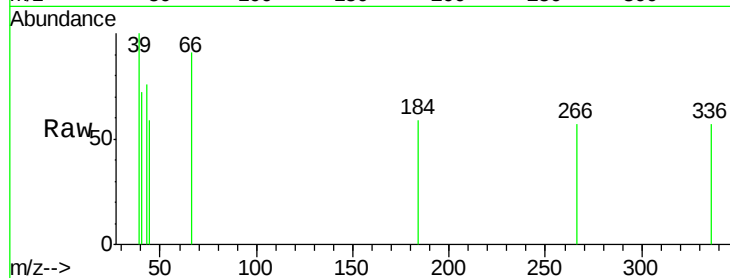




#53
2,4-Dinitrophenol
Concen: 6.638 ng
RT: 14.27 min Scan# 1869
Delta R.T. -0.51 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

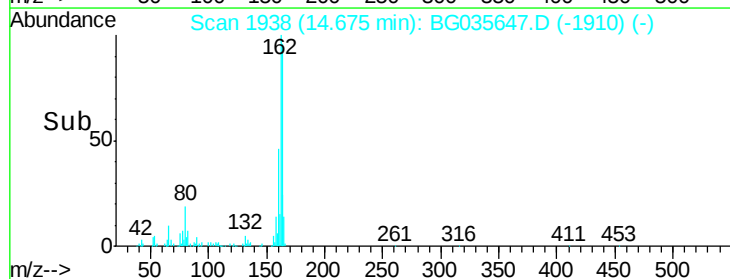
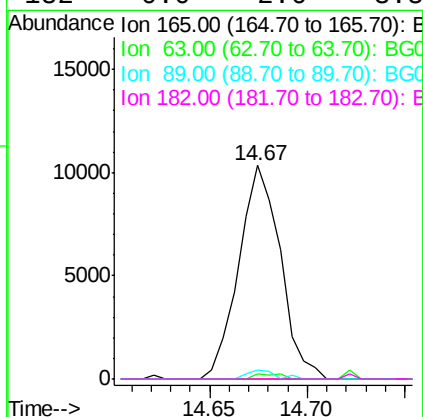
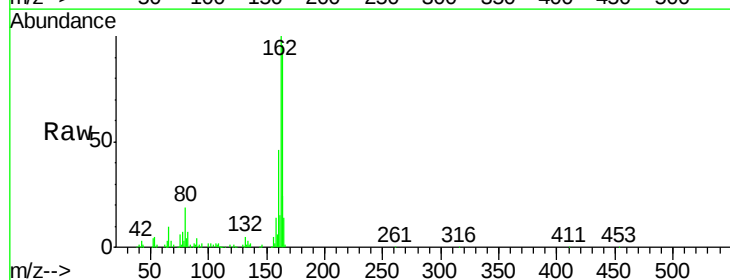
Instrument :
BNA_G
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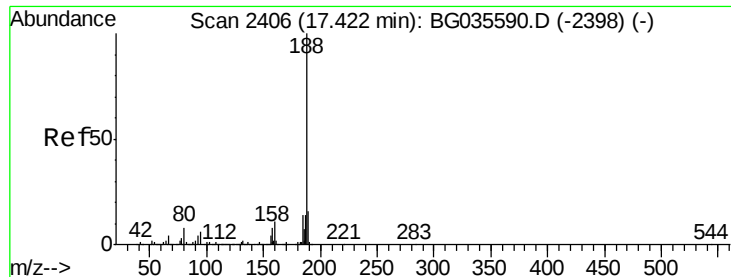
Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.300 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG035647.D
Acq: 14 Jul 2018 2:34

Tgt Ion:165 Resp: 15261
Ion Ratio Lower Upper
165 100
63 2.5 42.0 63.0#
89 4.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Instrument :

BNA_G

ClientSampleId :

PAR-7

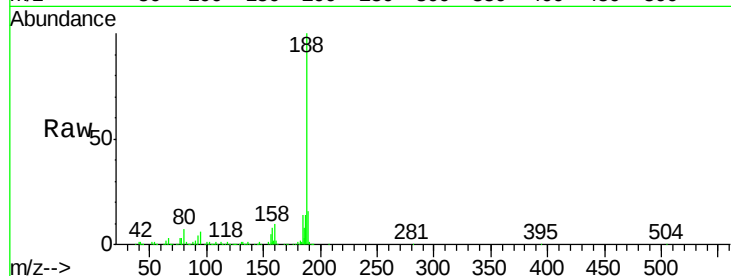
Tgt Ion:188 Resp: 321331

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

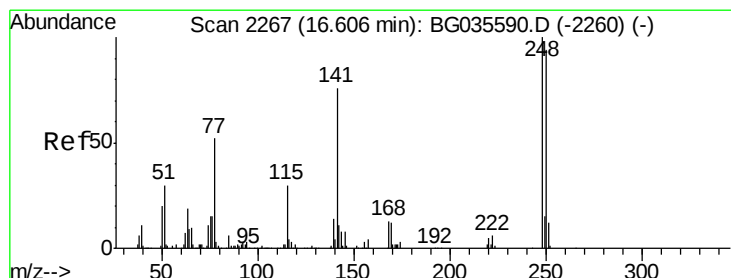
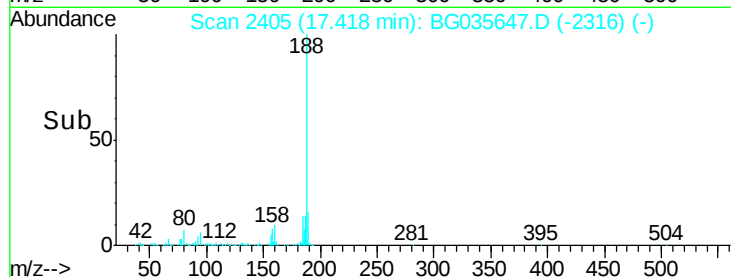
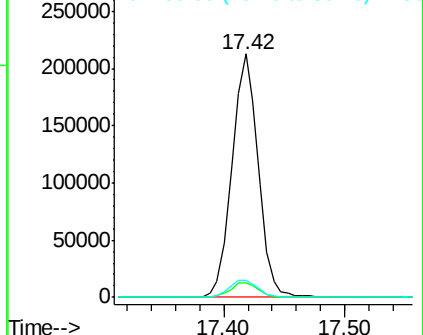
80 7.1 7.7 11.5#



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: 5.398 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.44 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

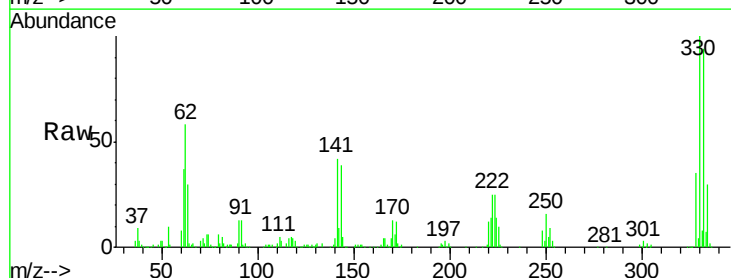
Tgt Ion:248 Resp: 20122

Ion Ratio Lower Upper

248 100

250 201.8 77.1 115.7#

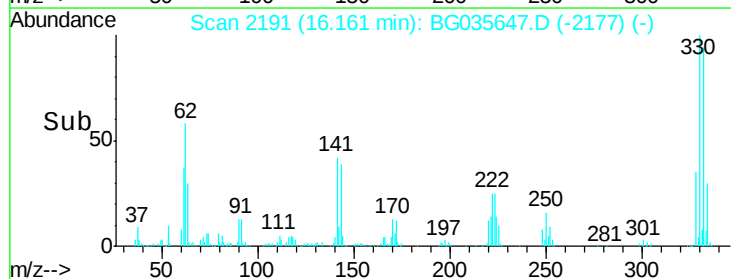
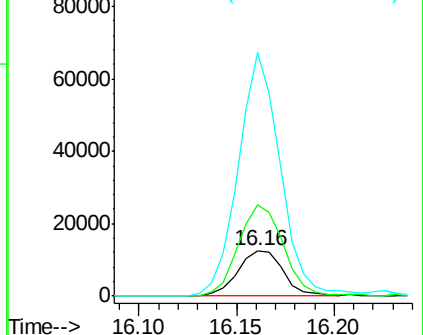
141 534.9 50.8 76.2#



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: 21.68 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Instrument :

BNA_G

ClientSampled :

PAR-7

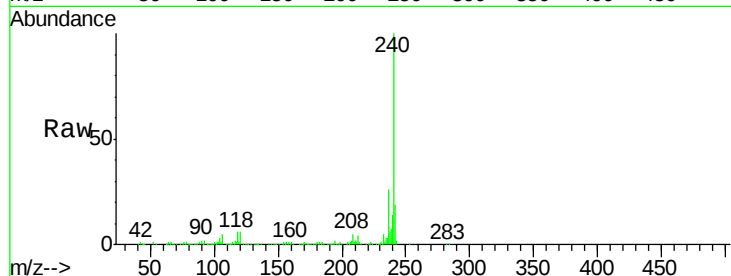
Tgt Ion:240 Resp: 346961

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

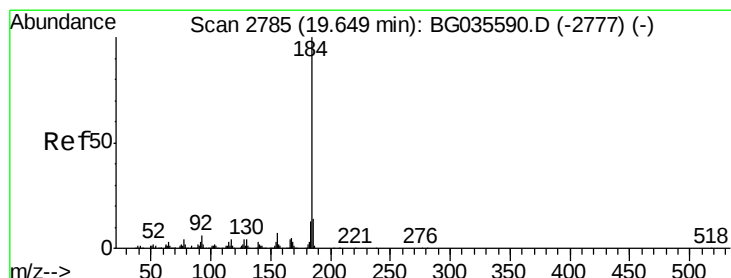
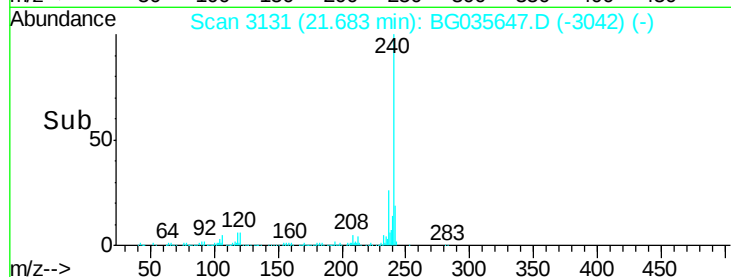
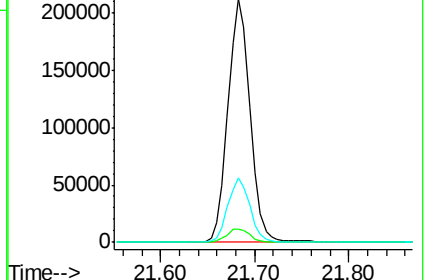
236 26.5 20.9 31.3



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: 3.196 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

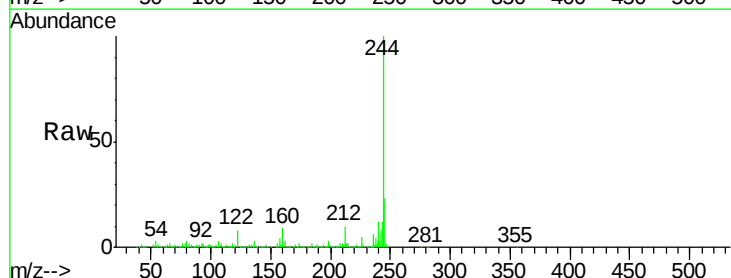
Tgt Ion:184 Resp: 29153

Ion Ratio Lower Upper

184 100

185 12.9 11.1 16.7

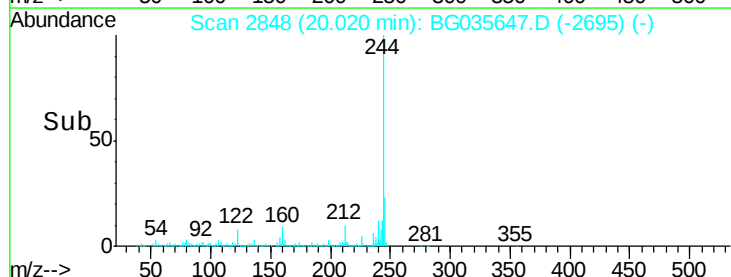
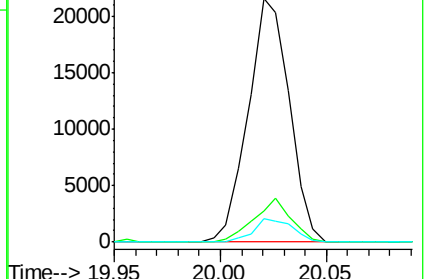
183 9.4 10.6 16.0#

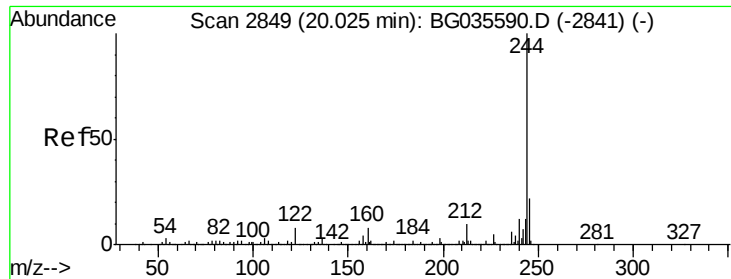


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.846 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

Instrument :

BNA_G

ClientSampled :

PAR-7

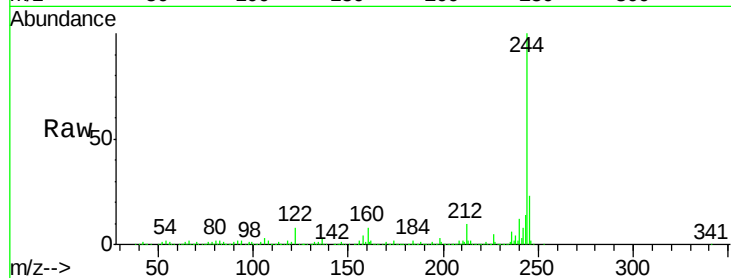
Tgt Ion:244 Resp: 1587333

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

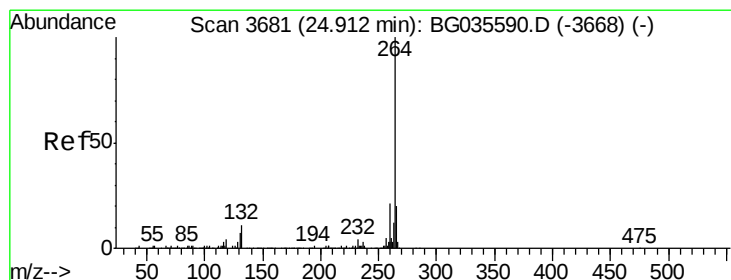
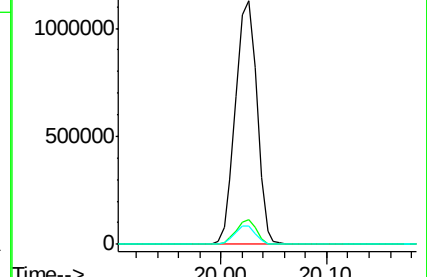
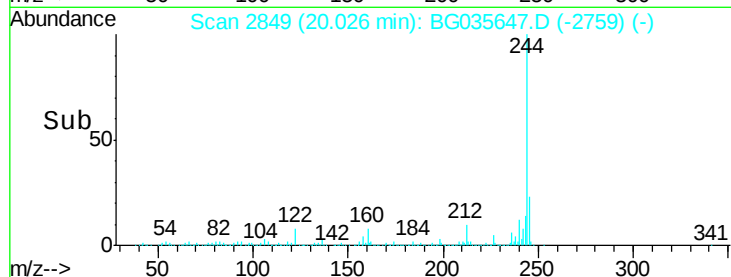
122 7.7 7.0 10.4



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: 24.90 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BG035647.D

Acq: 14 Jul 2018 2:34

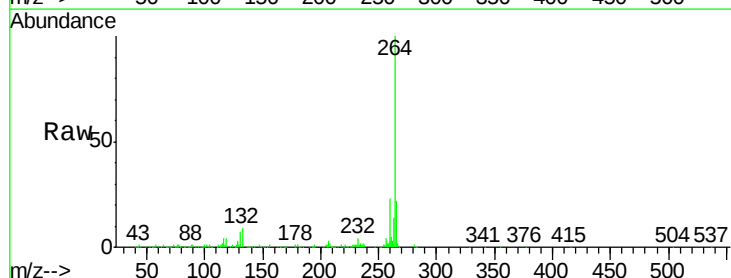
Tgt Ion:264 Resp: 327079

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.7 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

