

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035792.D
 Acq On : 20 Jul 2018 20:05
 Operator : JU/SJ
 Sample : J4066-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FADW4704L

Quant Time: Jul 21 00:38:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

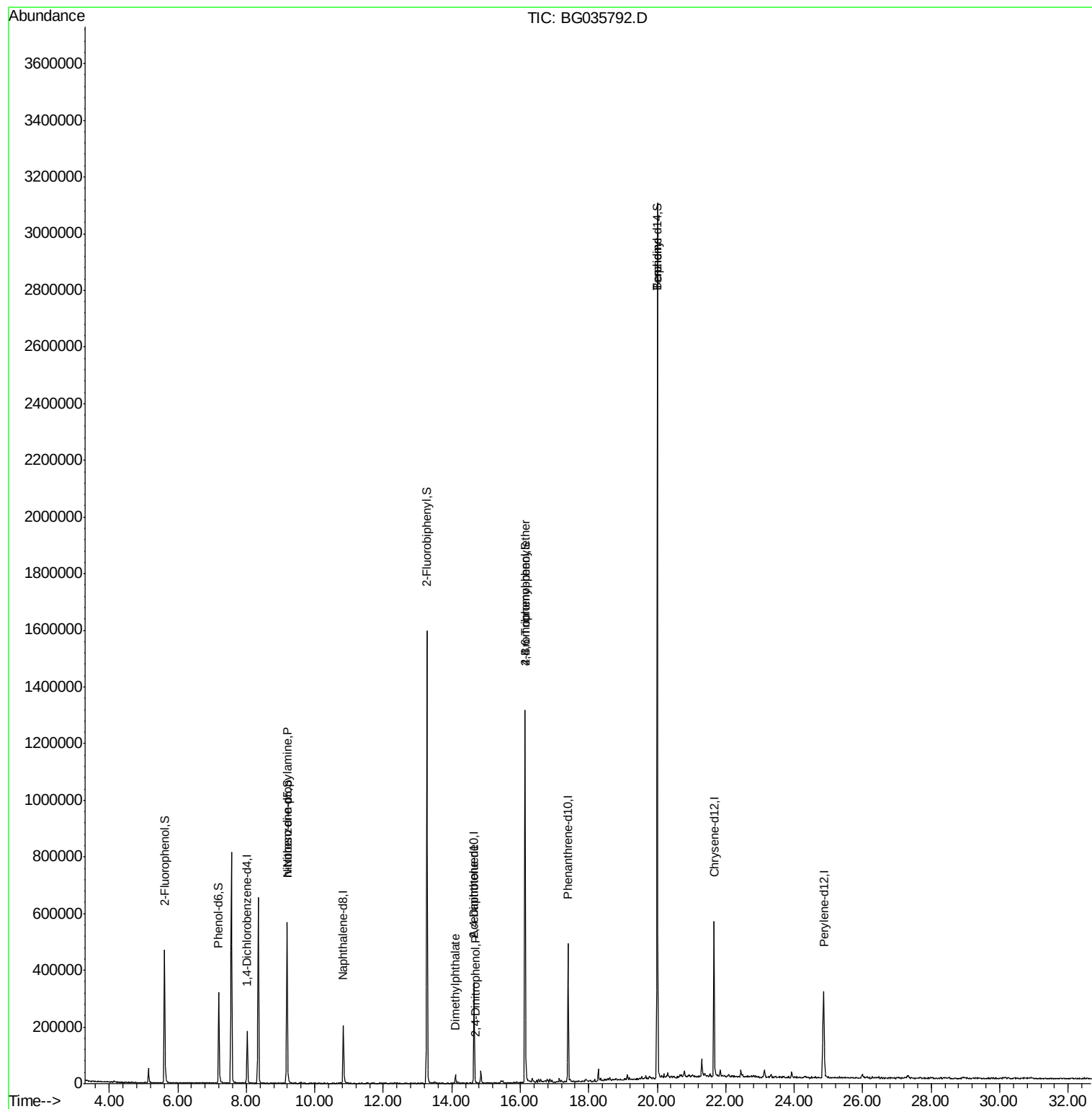
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	51190	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	184019	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	128650	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	327675	20.00	ng	0.00
75) Chrysene-d12	21.66	240	357715	20.00	ng	0.00
86) Perylene-d12	24.86	264	334726	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	222121	72.04	ng	0.00
7) Phenol-d6	7.19	99	206857	44.97	ng	0.00
23) Nitrobenzene-d5	9.19	82	391324	88.84	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	246865	145.58	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	855319	89.07	ng	0.00
78) Terphenyl-d14	20.00	244	1466956	90.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	53059	13.697	ng	# 69
49) Dimethylphthalate	14.10	163	27556	2.445	ng	# 94
53) 2,4-Dinitrophenol	14.70	184	55	6.625	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	17355	5.270	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	20200	5.314	ng	# 1
76) Benzidine	20.00	184	26966	2.867	ng	# 91

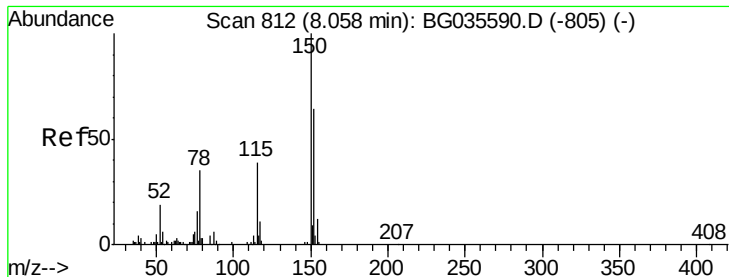
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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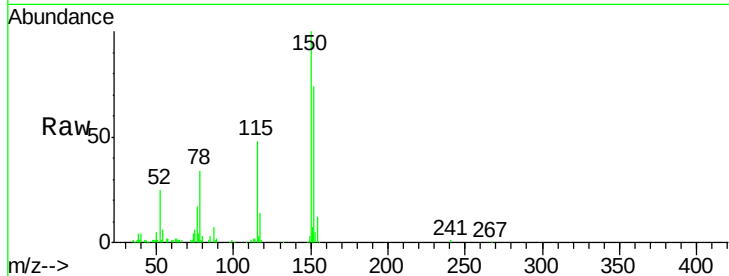


#1

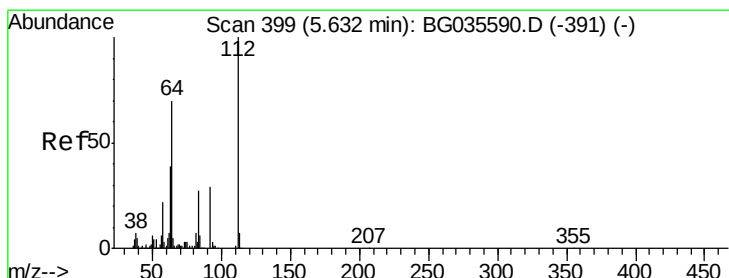
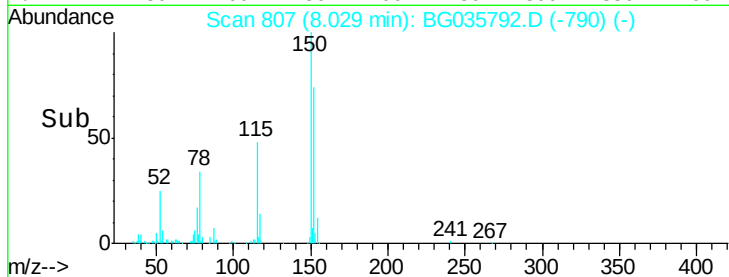
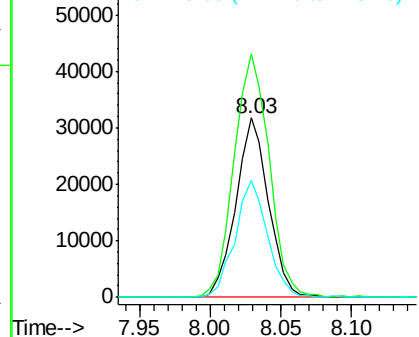
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

Instrument :
BNA_G
ClientSampleId :
FADW4704L

Tgt Ion	Ratio	Lower	Upper
152	100		
150	136.0	126.6	189.8
115	65.6	53.0	79.4



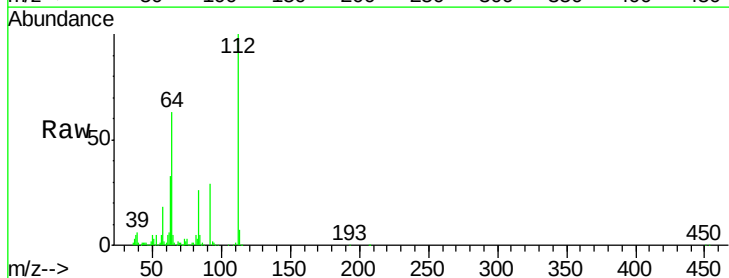
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



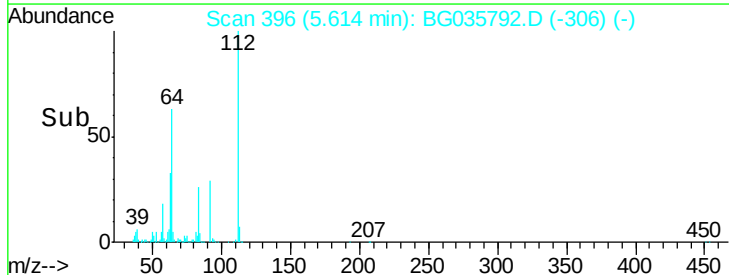
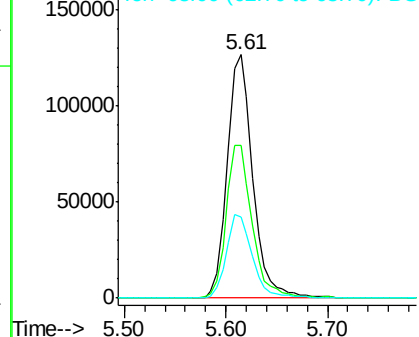
#5

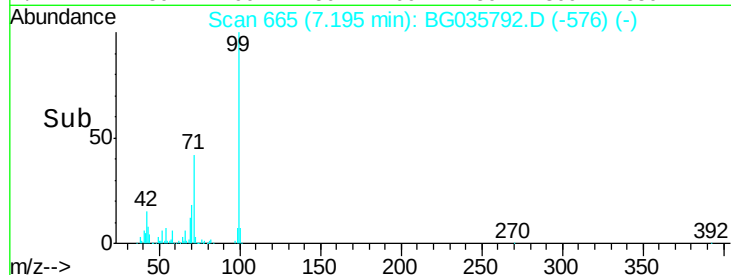
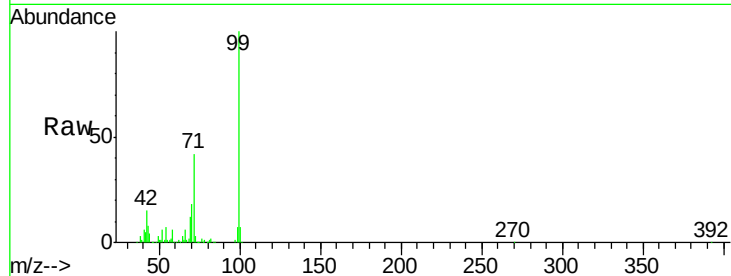
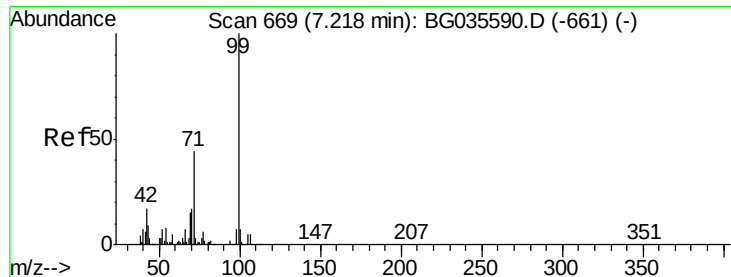
2-Fluorophenol
Concen: 72.040 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	56.3	84.5
63	33.5	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 44.967 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

FADW4704L

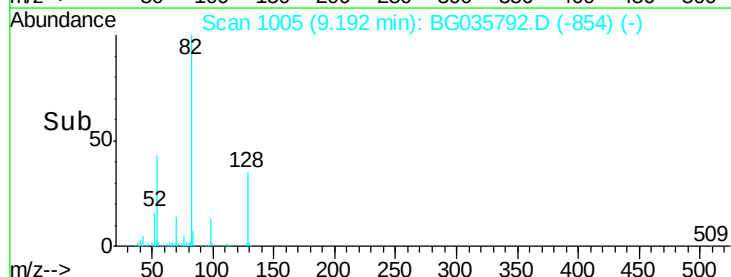
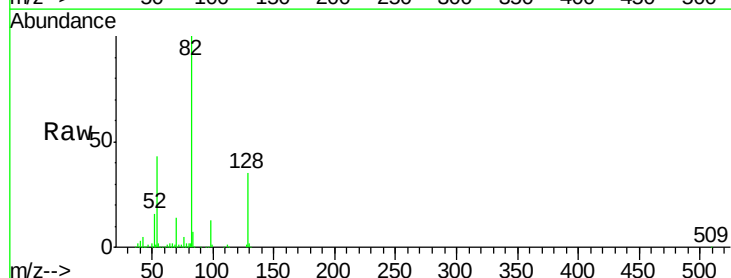
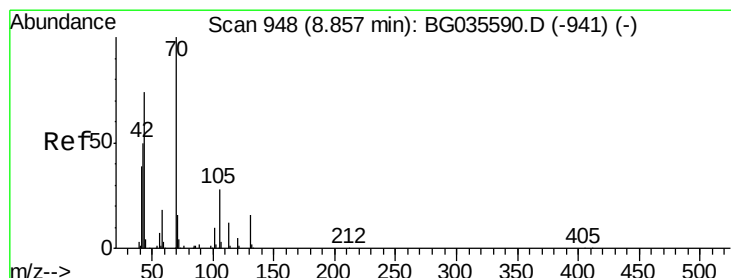
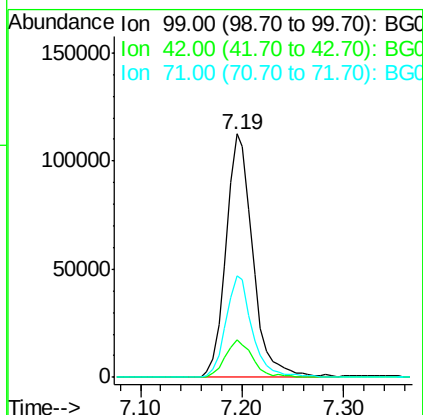
Tgt Ion: 99 Resp: 206857

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

71 41.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.697 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Tgt Ion: 70 Resp: 53059

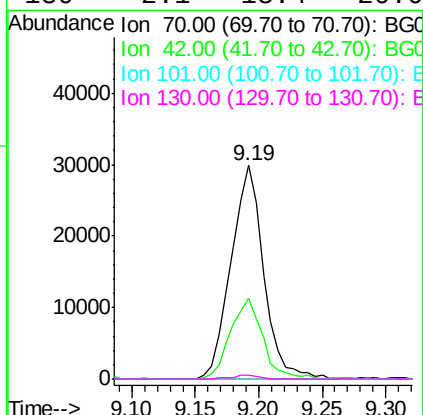
Ion Ratio Lower Upper

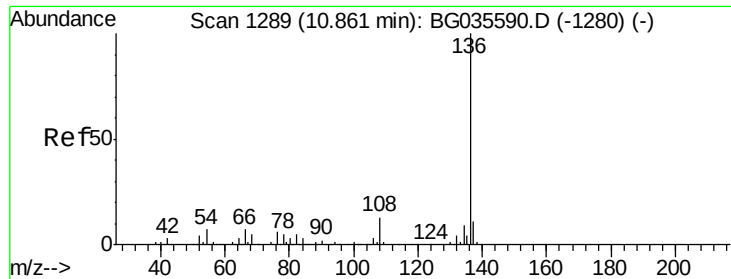
70 100

42 37.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

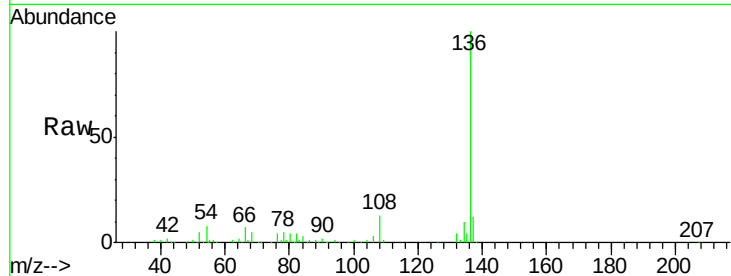




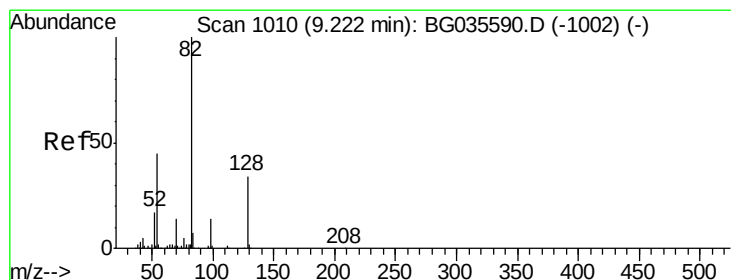
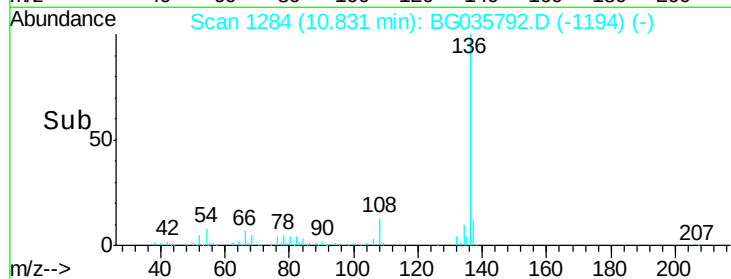
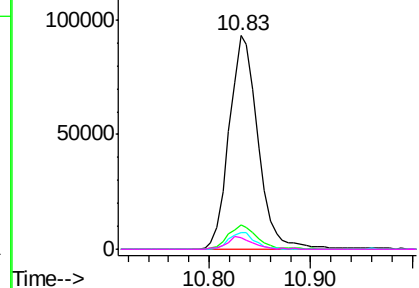
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

Instrument :
BNA_G
ClientSampleId :
FADW4704L

Tgt Ion:	136	Resp:	184019
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	7.8	10.3	15.5#
68	5.3	4.5	6.7

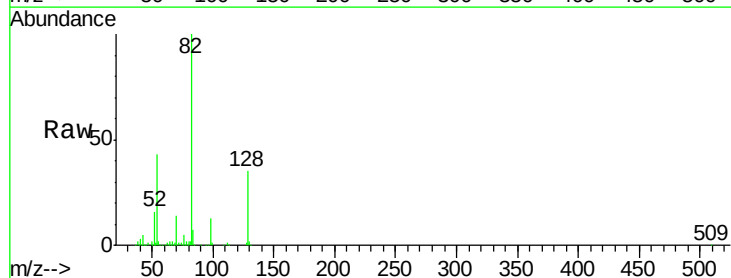


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

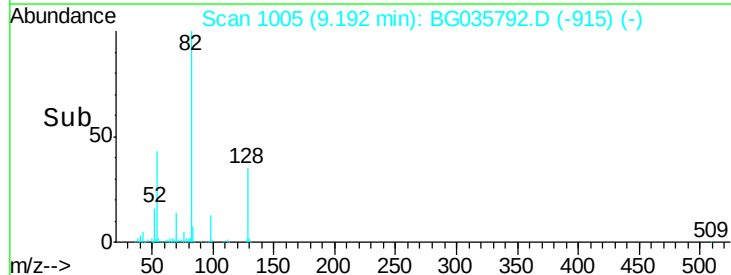
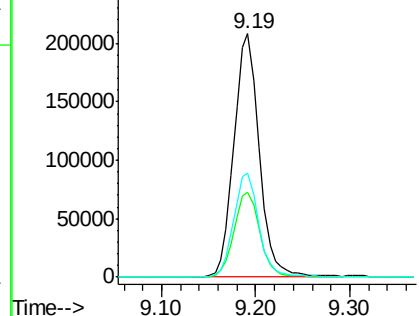


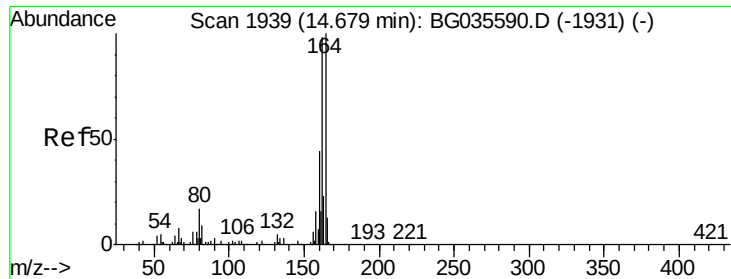
#23
Nitrobenzene-d5
Concen: 88.836 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

Tgt Ion:	82	Resp:	391324
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	42.8	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: 14.66 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

FADW4704L

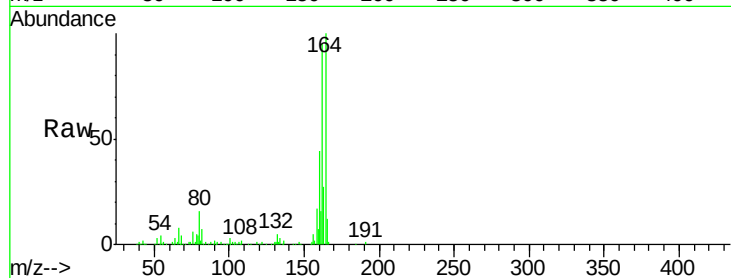
Tgt Ion:164 Resp: 128650

Ion Ratio Lower Upper

164 100

162 95.2 78.8 118.2

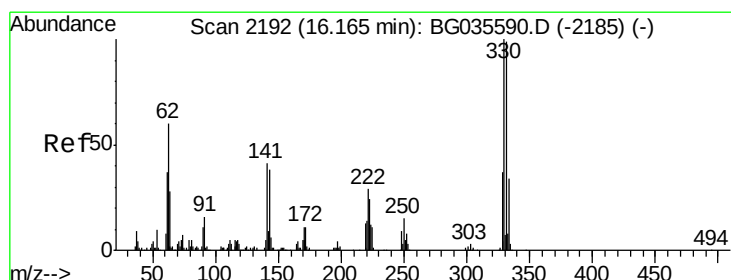
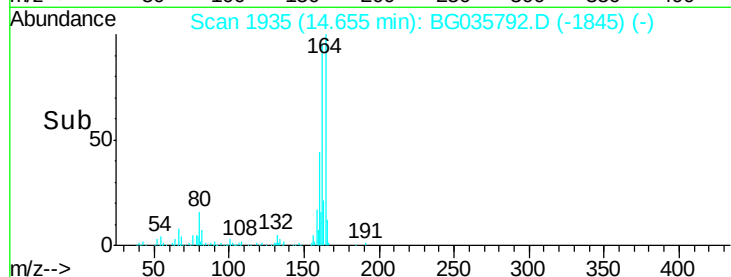
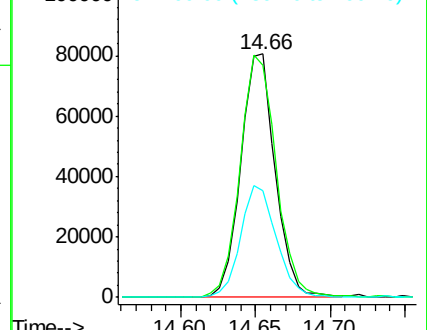
160 43.9 35.4 53.0



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: 145.584 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

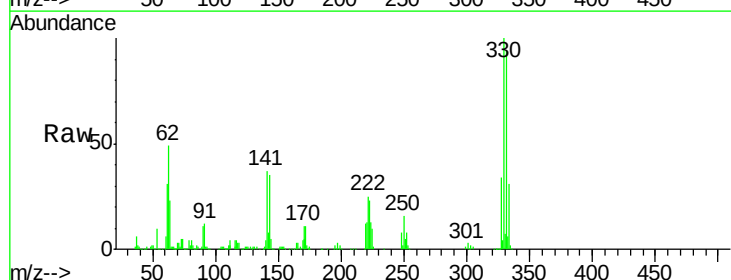
Tgt Ion:330 Resp: 246865

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

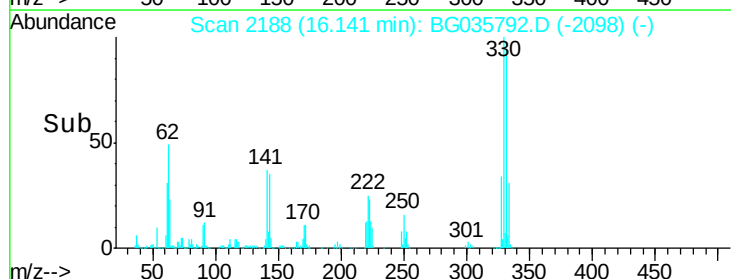
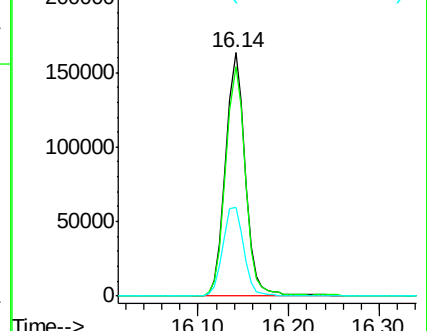
141 39.0 25.2 37.8#

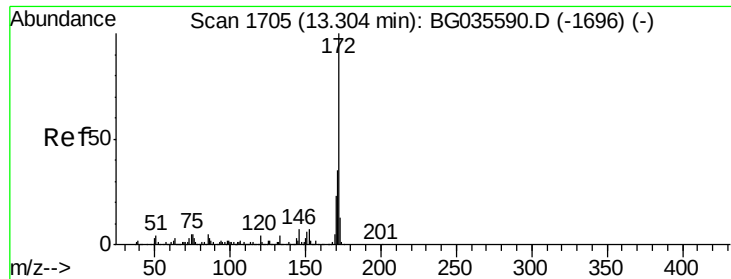


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

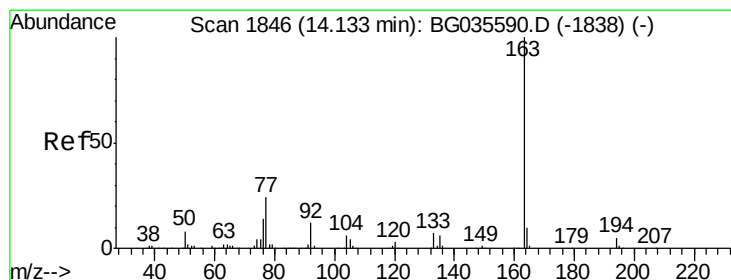
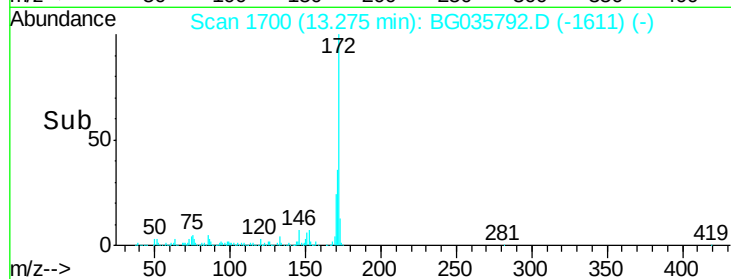
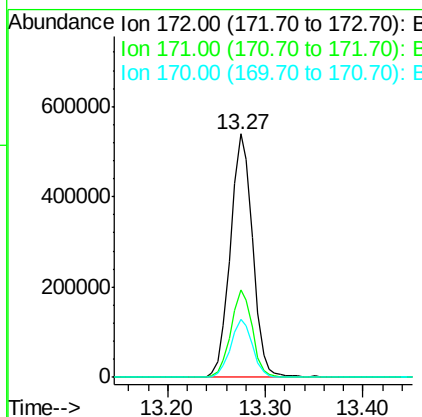
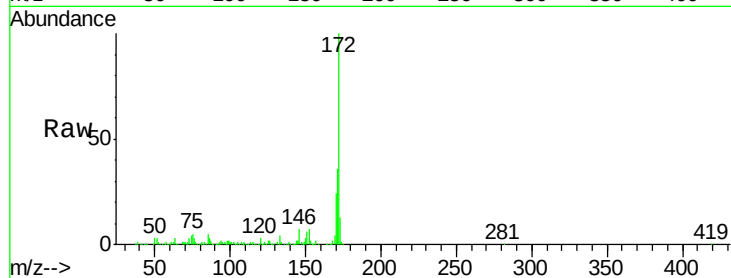




#44
2-Fluorobiphenyl
Concen: 89.072 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

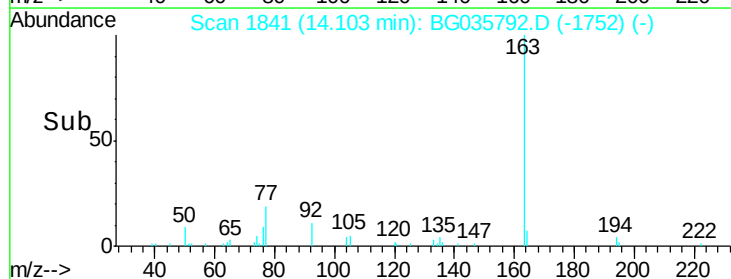
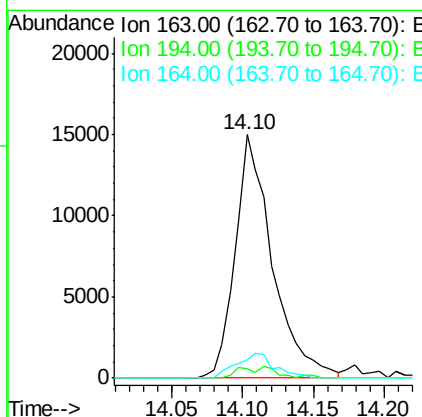
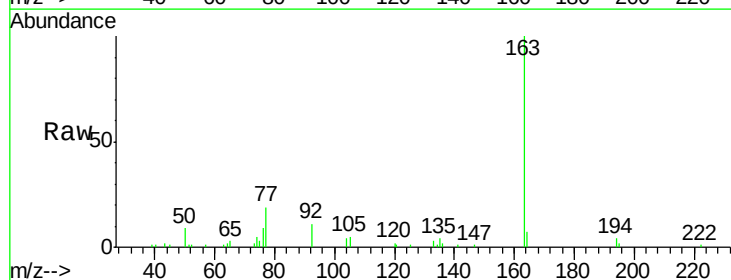
Instrument :
BNA_G
ClientSampleId :
FADW4704L

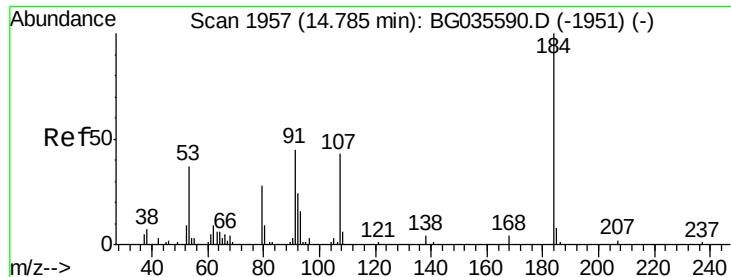
Tgt Ion:	172	Resp:	855319
Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.0	45.0
170	23.8	19.5	29.3



#49
Dimethylphthalate
Concen: 2.445 ng
RT: 14.10 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BG035792.D
Acq: 20 Jul 2018 20:05

Tgt Ion:	163	Resp:	27556
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	7.4	8.2	12.4#

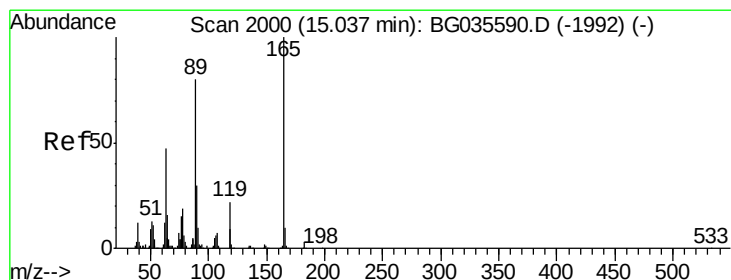
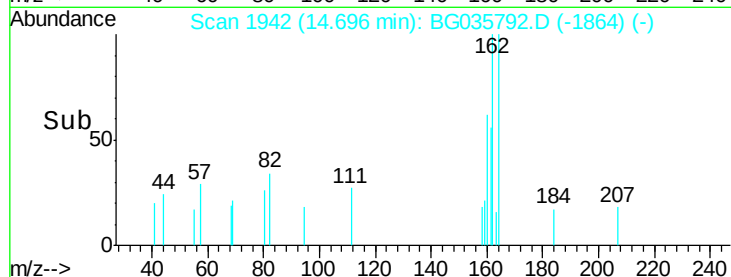
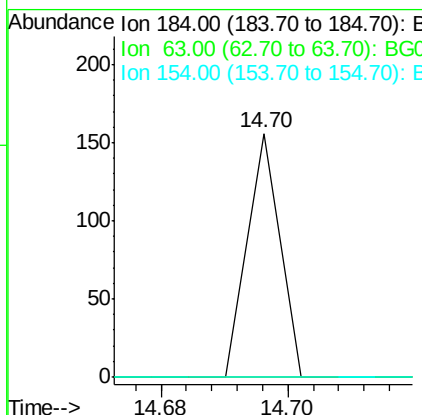
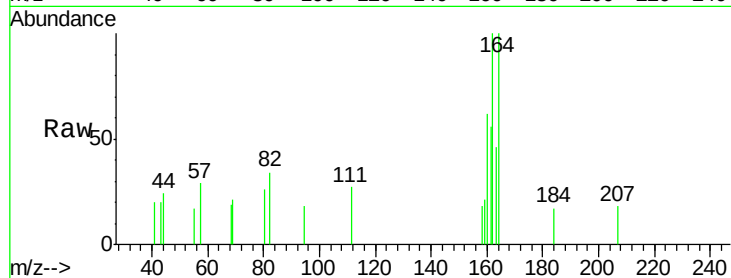




#53
 2,4-Dinitrophenol
 Concen: 6.625 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.07 min
 Lab File: BG035792.D
 Acq: 20 Jul 2018 20:05

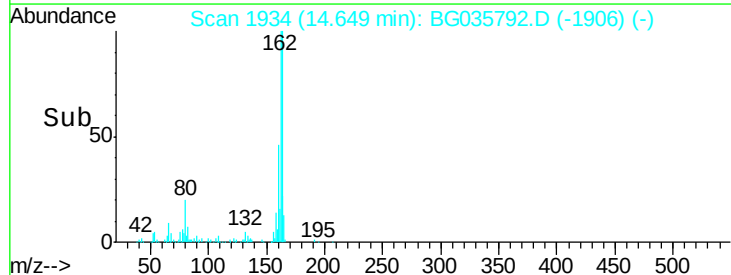
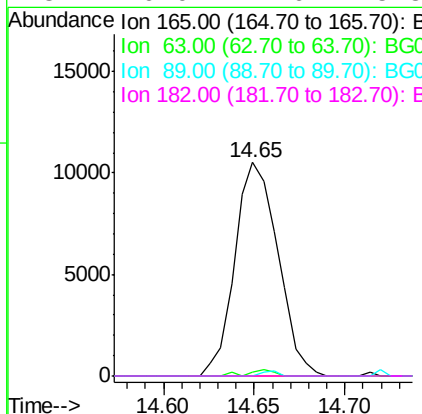
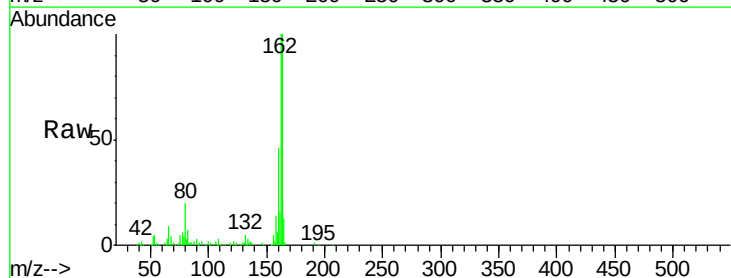
Instrument :
 BNA_G
 ClientSampleId :
 FADW4704L

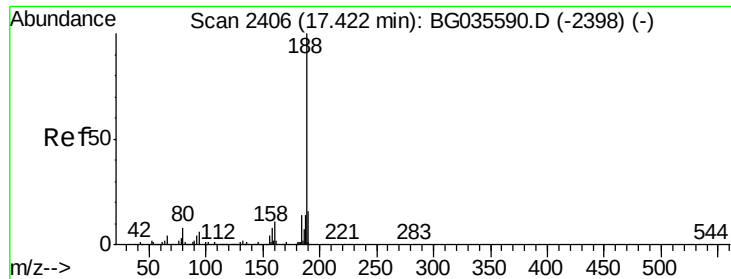
Tgt Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.270 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.36 min
 Lab File: BG035792.D
 Acq: 20 Jul 2018 20:05

Tgt Ion:165 Resp: 17355
 Ion Ratio Lower Upper
 165 100
 63 1.9 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: 17.39 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

FADW4704L

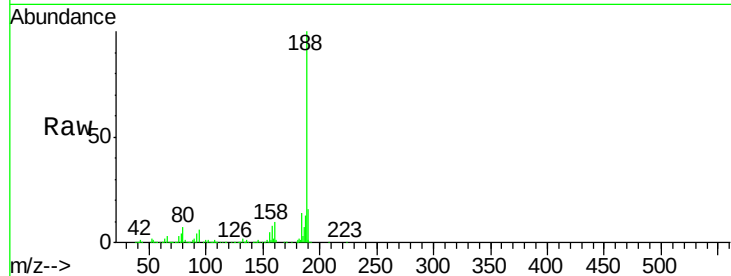
Tgt Ion:188 Resp: 327675

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

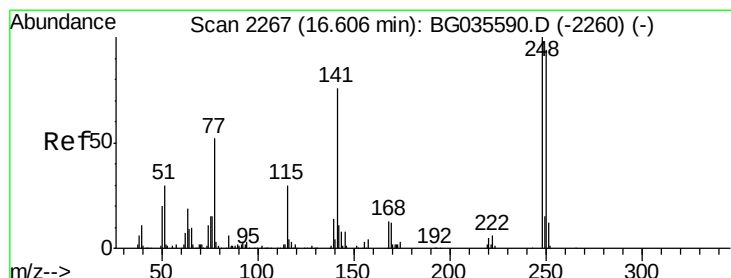
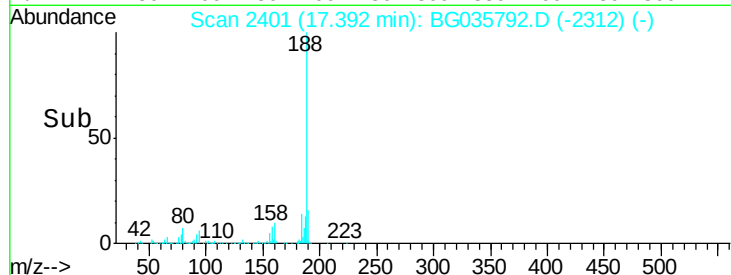
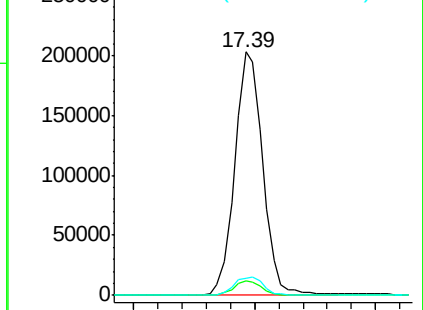
80 6.8 7.7 11.5#



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: 5.314 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.44 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

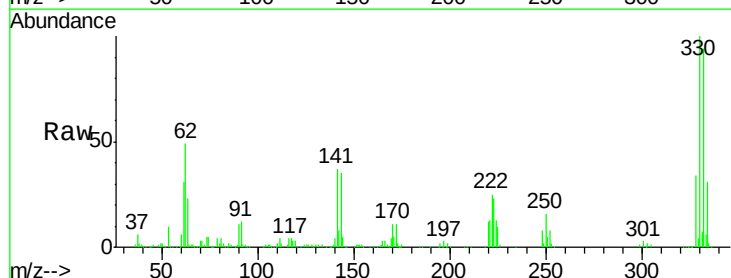
Tgt Ion:248 Resp: 20200

Ion Ratio Lower Upper

248 100

250 190.7 77.1 115.7#

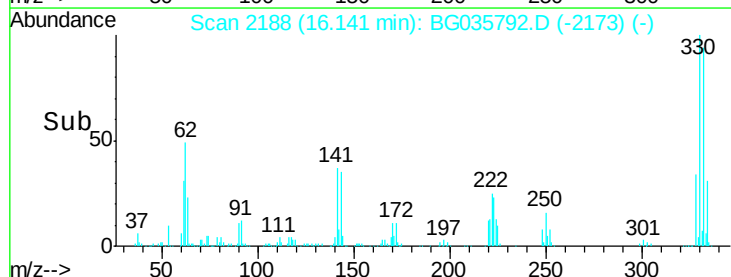
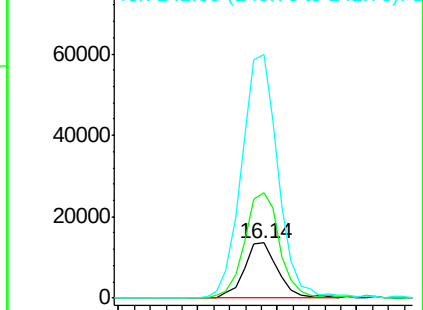
141 441.7 50.8 76.2#

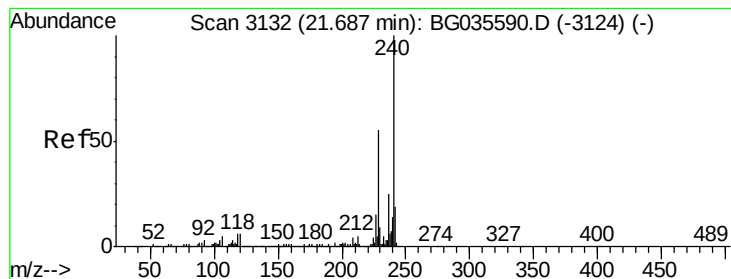


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

FADW4704L

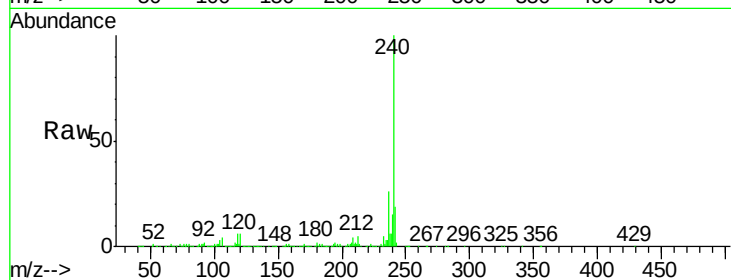
Tgt Ion:240 Resp: 357715

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

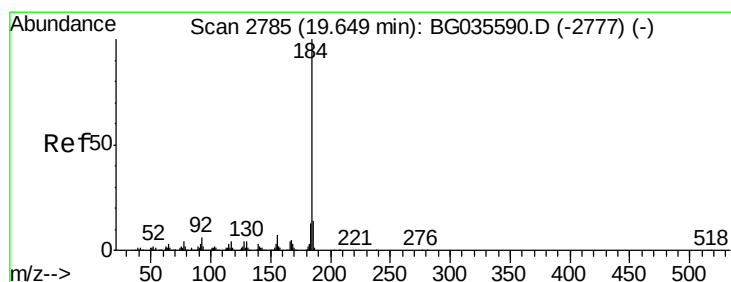
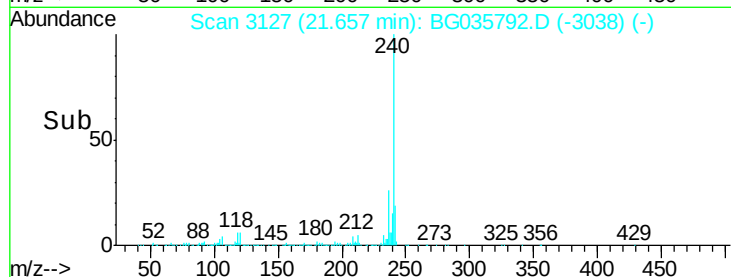
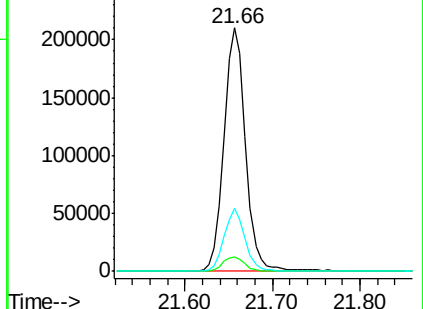
236 25.7 20.9 31.3



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: 2.867 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

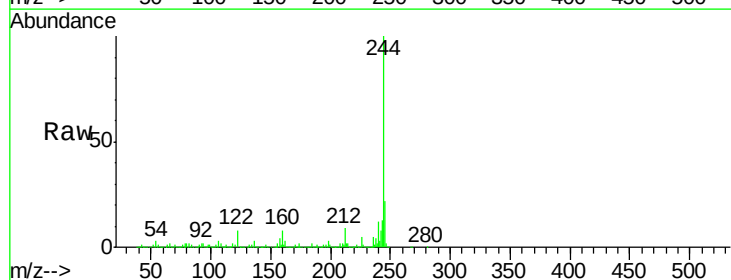
Tgt Ion:184 Resp: 26966

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

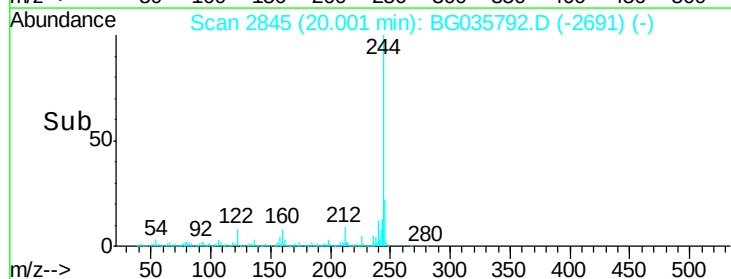
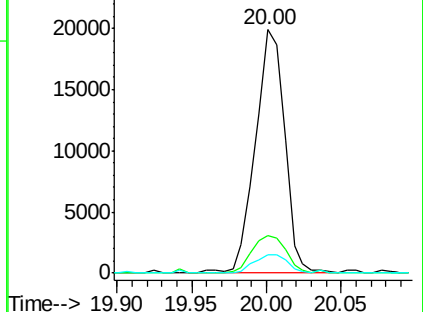
183 7.4 10.6 16.0#

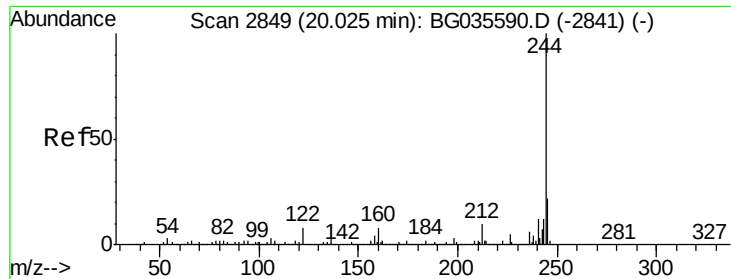


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.396 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

Instrument :

BNA_G

ClientSampleId :

FADW4704L

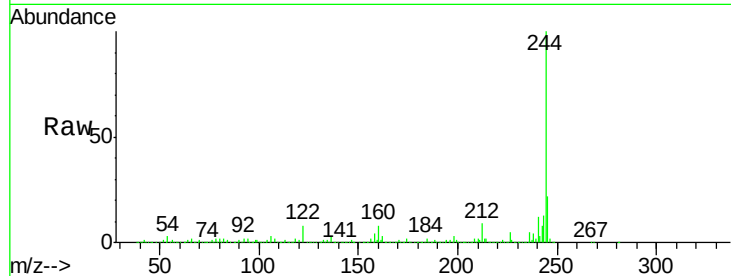
Tgt Ion:244 Resp: 1466956

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

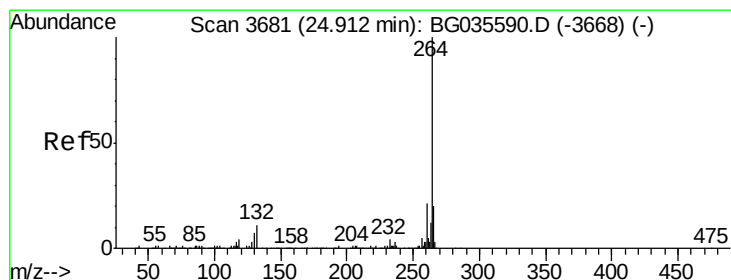
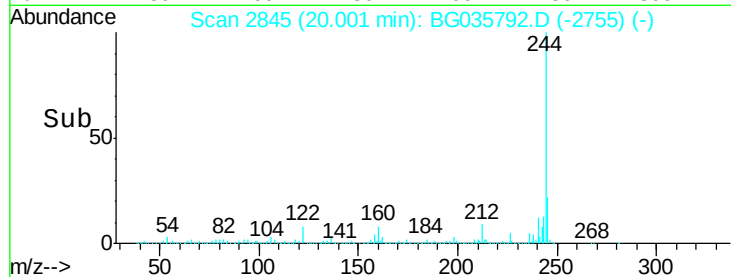
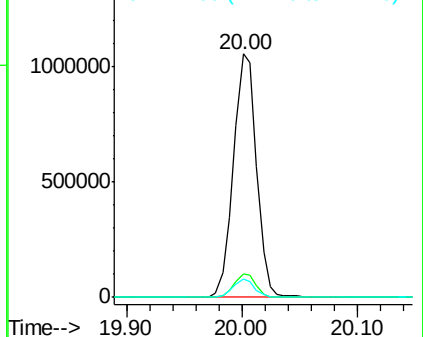
122 7.7 7.0 10.4



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: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG035792.D

Acq: 20 Jul 2018 20:05

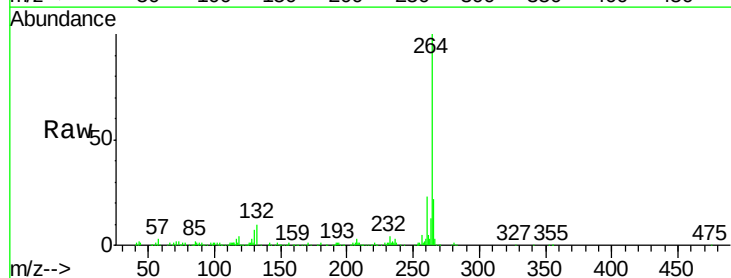
Tgt Ion:264 Resp: 334726

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.4 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

