

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071218\
 Data File : BG035611.D
 Acq On : 13 Jul 2018 1:43
 Operator : JU/SJ
 Sample : J3947-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-4

Quant Time: Jul 13 04:36:22 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

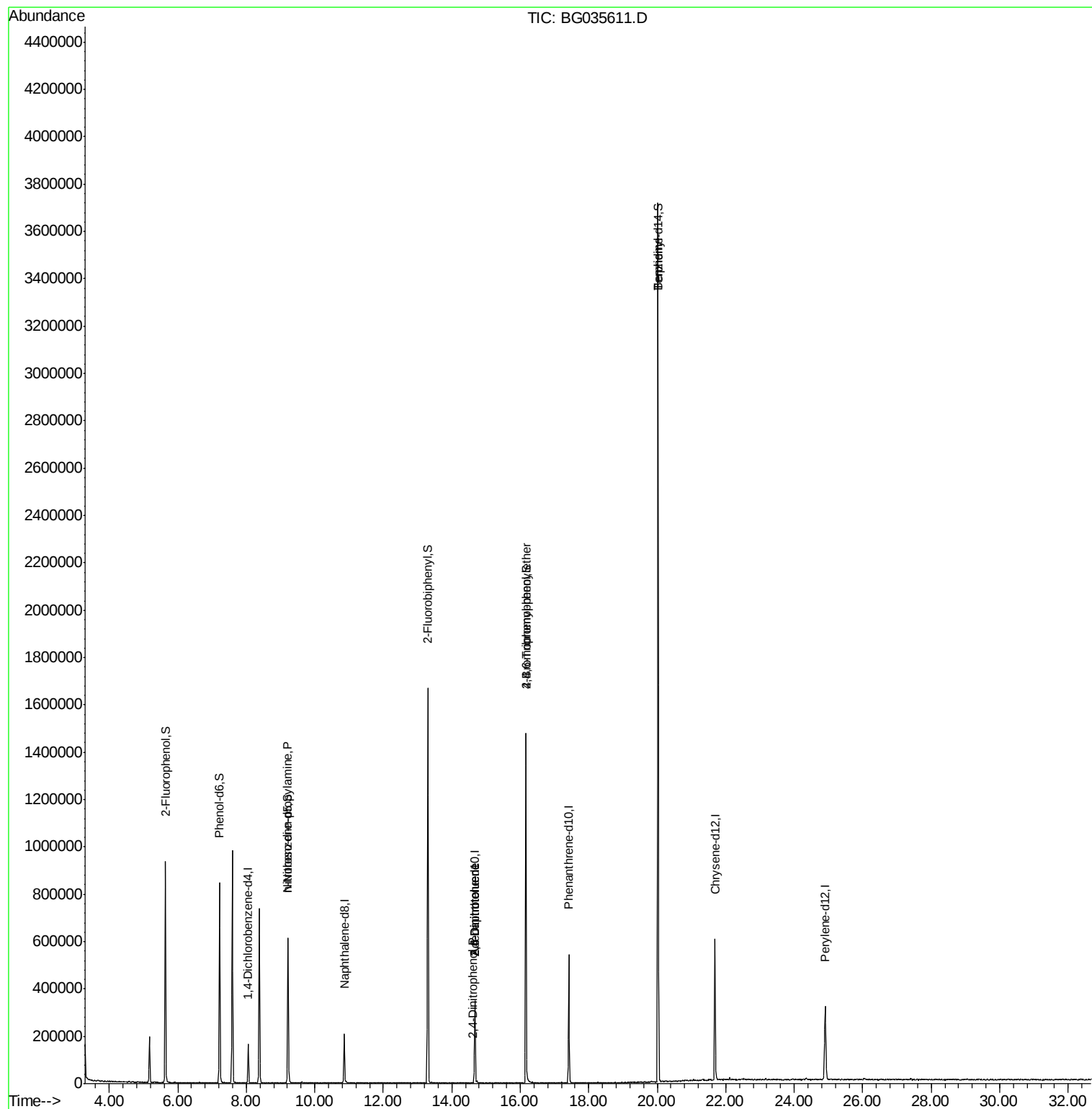
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	45304	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	169032	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	122830	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	347988	20.00	ng	0.00
75) Chrysene-d12	21.69	240	377766	20.00	ng	0.00
86) Perylene-d12	24.90	264	342503	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	381995	139.99	ng	0.00
7) Phenol-d6	7.22	99	502288	123.37	ng	0.00
23) Nitrobenzene-d5	9.21	82	408163	100.87	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	262313	162.02	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	886110	96.65	ng	0.00
78) Terphenyl-d14	20.02	244	1661893	96.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	59996	17.500	ng	# 65
50) 2,6-Dinitrotoluene	14.68	165	16832	7.681	ng	# 21
53) 2,4-Dinitrophenol	14.61	184	63	6.634	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	16832	5.354	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	22669	5.615	ng	# 1
76) Benzidine	20.02	184	30352	3.056	ng	# 91

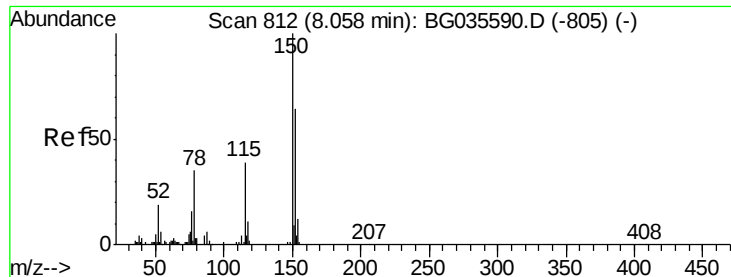
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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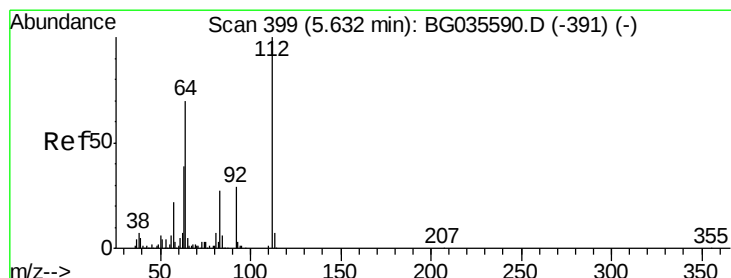
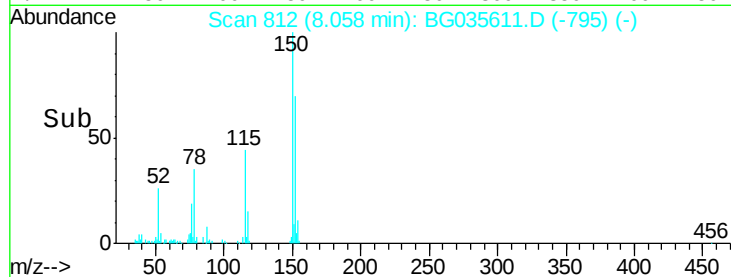
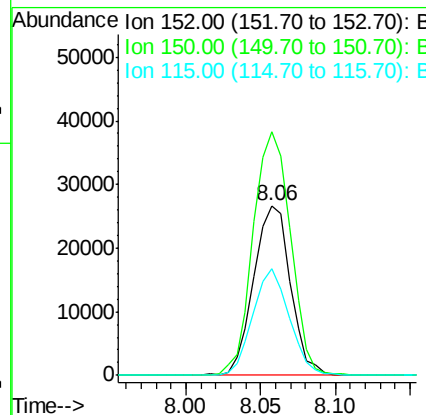
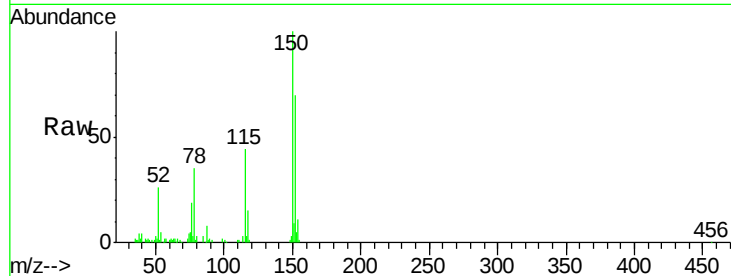


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Instrument :
BNA_G
ClientSampleId :
PAR-4

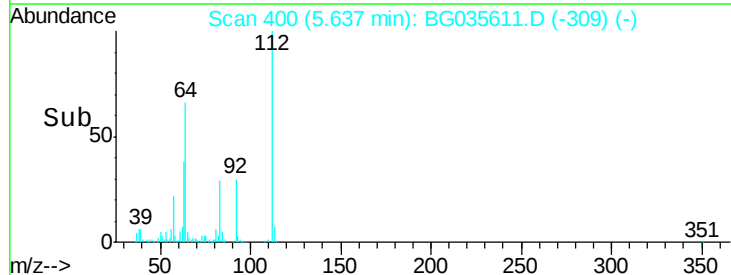
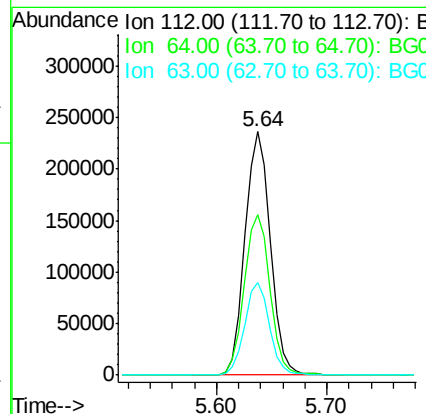
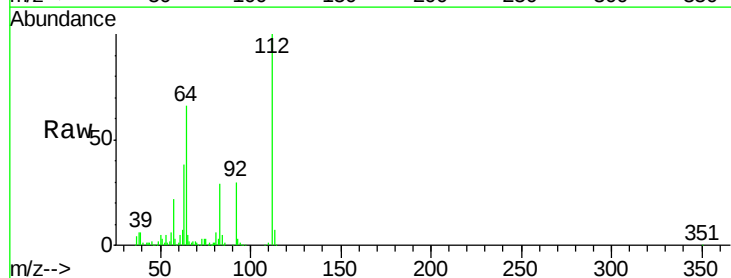
Tgt Ion:152 Resp: 45304
Ion Ratio Lower Upper
152 100
150 143.7 126.6 189.8
115 63.3 53.0 79.4

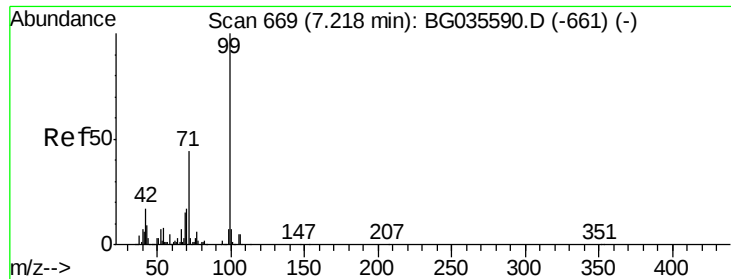


#5

2-Fluorophenol
Concen: 139.988 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.00 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Tgt Ion:112 Resp: 381995
Ion Ratio Lower Upper
112 100
64 66.1 56.3 84.5
63 38.1 30.1 45.1





#7

Phenol-d6

Concen: 123.373 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

Instrument :

BNA_G

ClientSampleId :

PAR-4

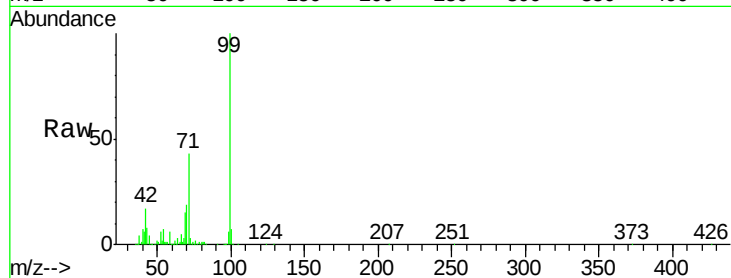
Tgt Ion: 99 Resp: 502288

Ion Ratio Lower Upper

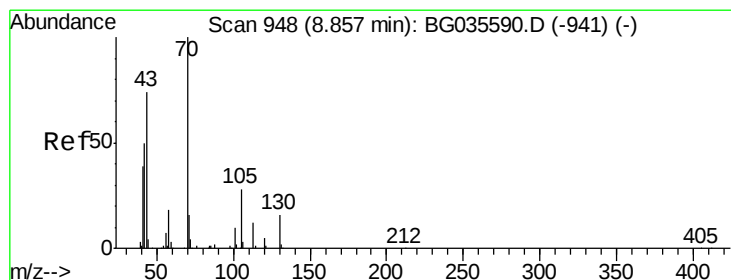
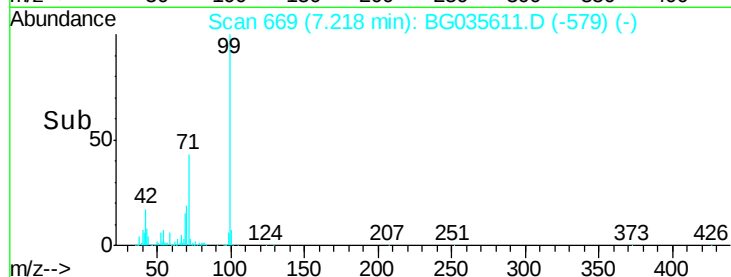
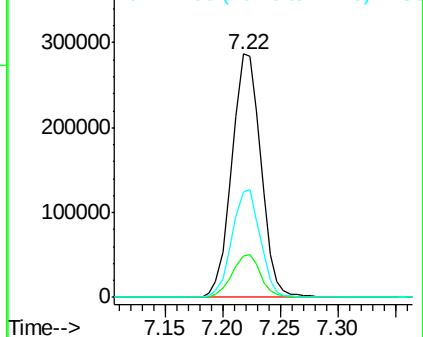
99 100

42 17.1 14.1 21.1

71 43.3 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: 17.500 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

Tgt Ion: 70 Resp: 59996

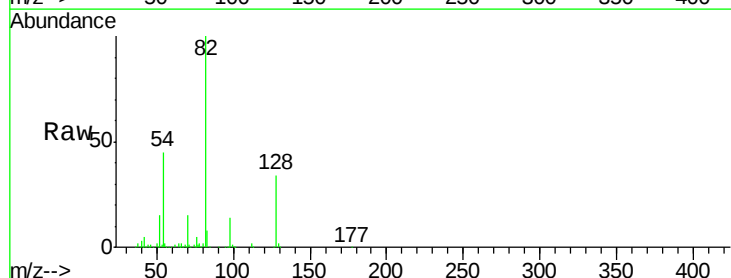
Ion Ratio Lower Upper

70 100

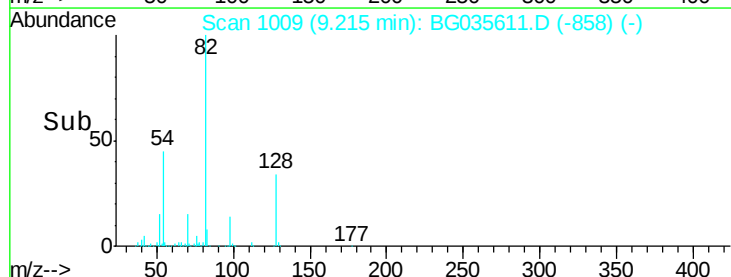
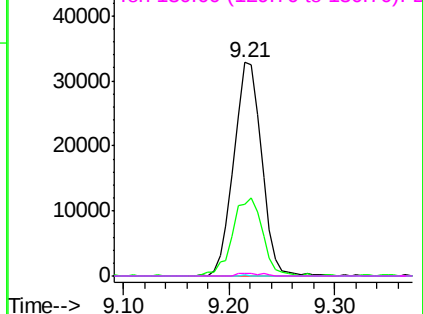
42 33.7 49.1 73.7#

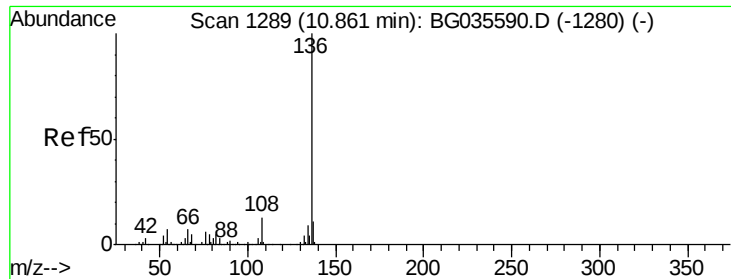
101 0.5 8.5 12.7#

130 1.4 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

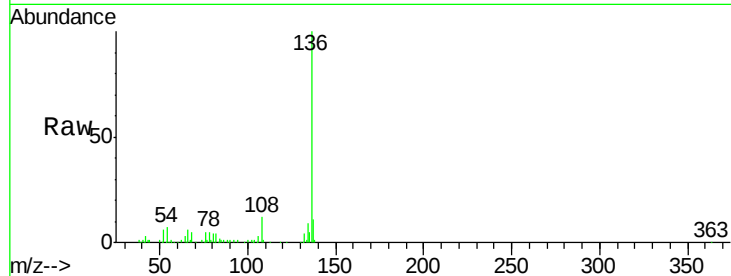




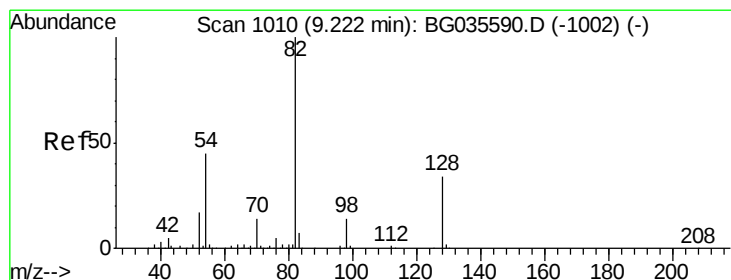
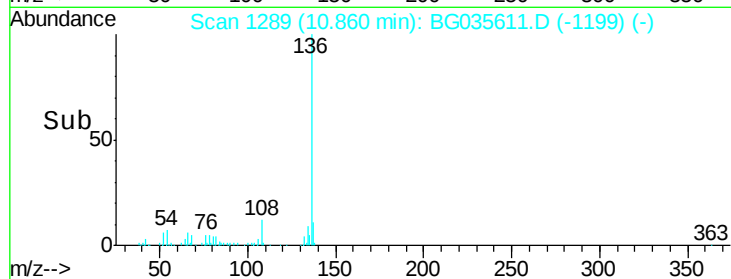
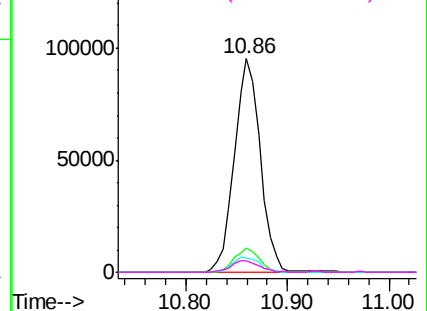
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Instrument :
BNA_G
ClientSampleID :
PAR-4

Tgt Ion:	136	Resp:	169032
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.7	10.3	15.5#
68	5.4	4.5	6.7

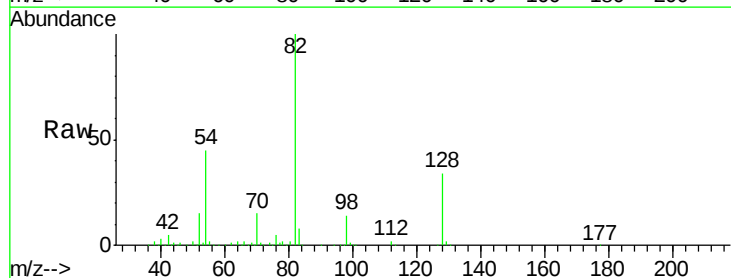


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

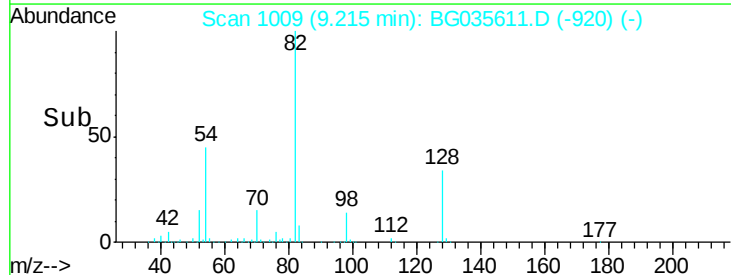
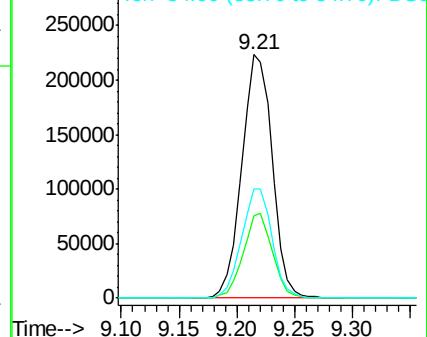


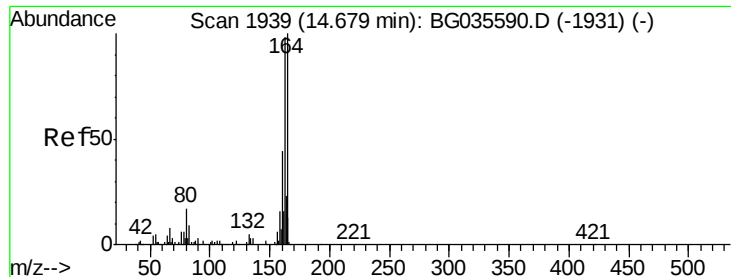
#23
Nitrobenzene-d5
Concen: 100.874 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Tgt Ion:	82	Resp:	408163
Ion	Ratio	Lower	Upper
82	100		
128	33.7	29.7	44.5
54	44.9	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: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

Instrument :

BNA_G

ClientSampleId :

PAR-4

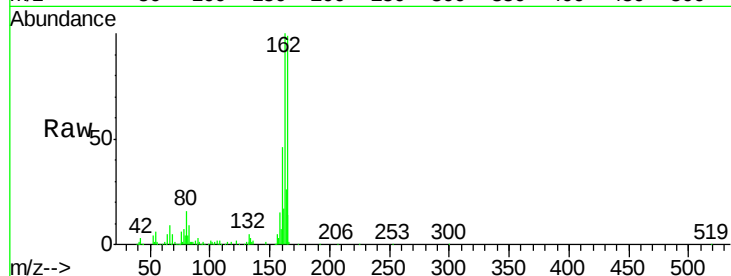
Tgt Ion:164 Resp: 122830

Ion Ratio Lower Upper

164 100

162 100.5 78.8 118.2

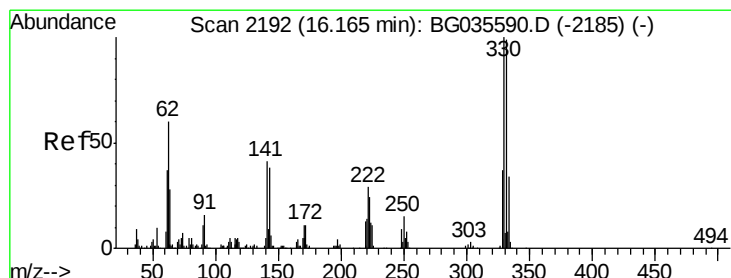
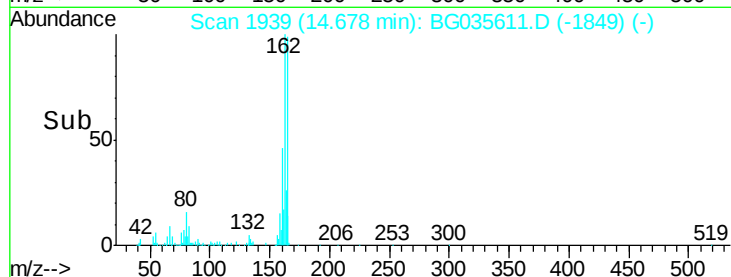
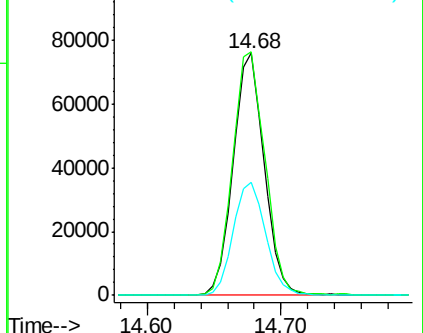
160 46.5 35.4 53.0



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: 162.024 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

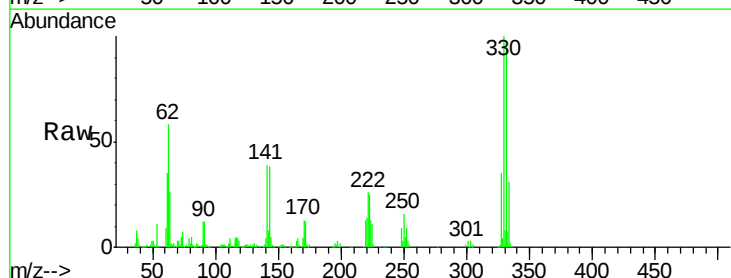
Tgt Ion:330 Resp: 262313

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

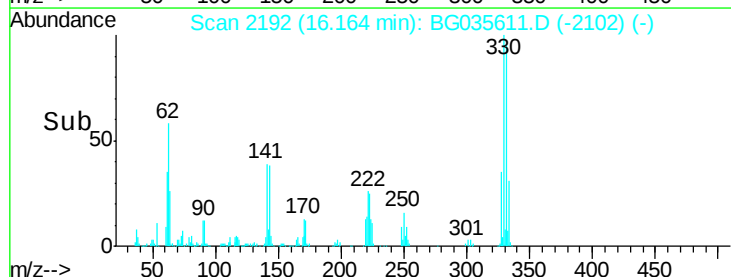
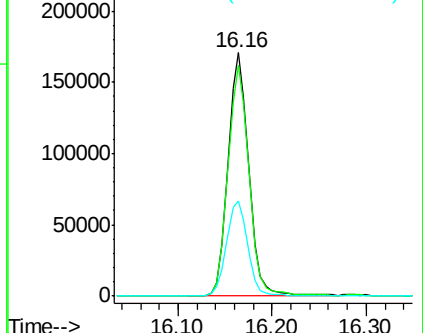
141 40.1 25.2 37.8#

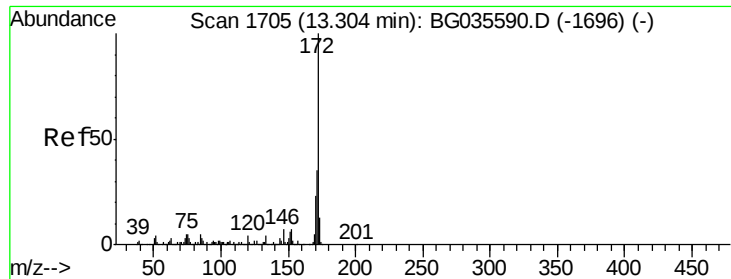


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

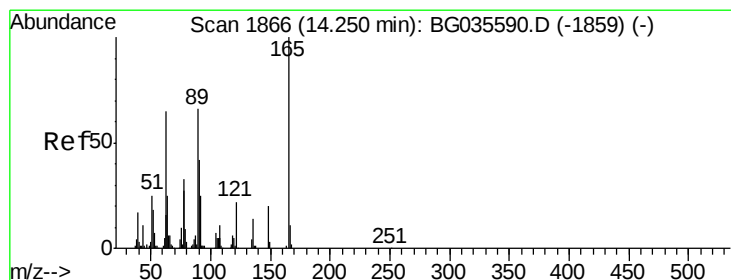
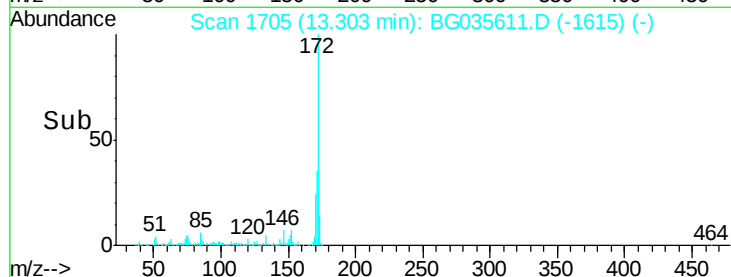
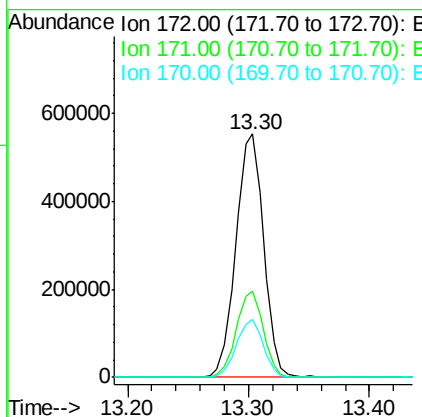
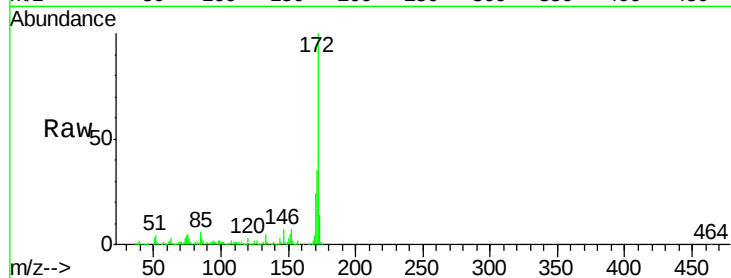




#44
 2-Fluorobiphenyl
 Concen: 96.650 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG035611.D
 Acq: 13 Jul 2018 1:43

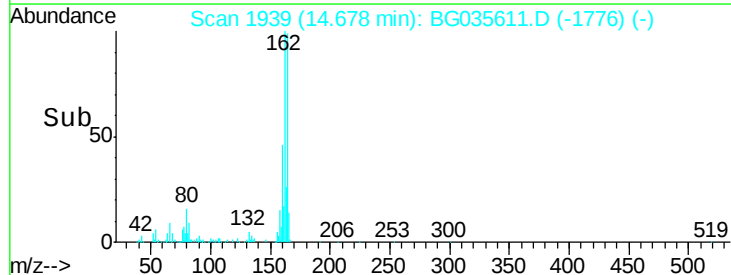
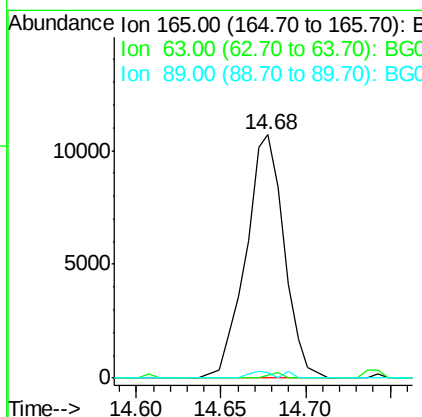
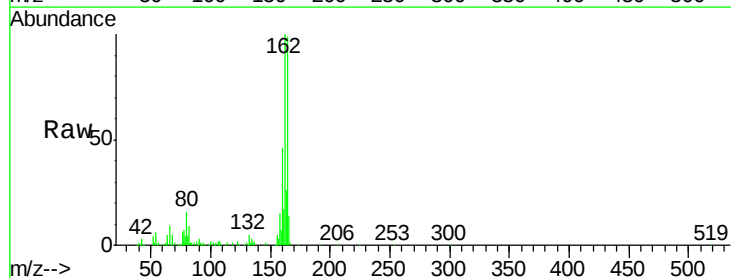
Instrument :
 BNA_G
 ClientSampleId :
 PAR-4

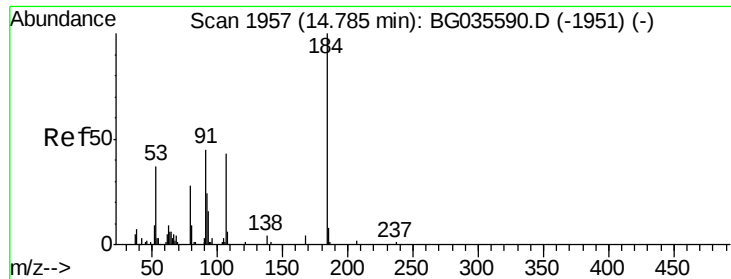
Tgt Ion:172 Resp: 886110
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.0 45.0
 170 23.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.681 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.43 min
 Lab File: BG035611.D
 Acq: 13 Jul 2018 1:43

Tgt Ion:165 Resp: 16832
 Ion Ratio Lower Upper
 165 100
 63 1.4 52.7 79.1#
 89 2.0 49.2 73.8#

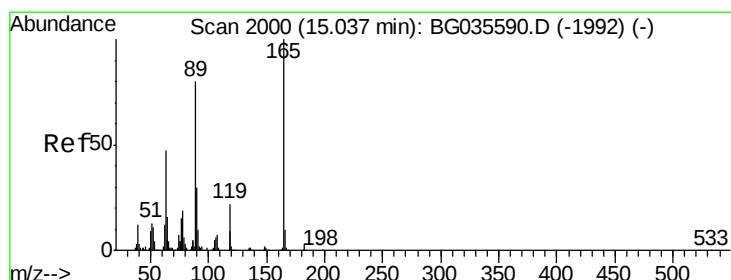
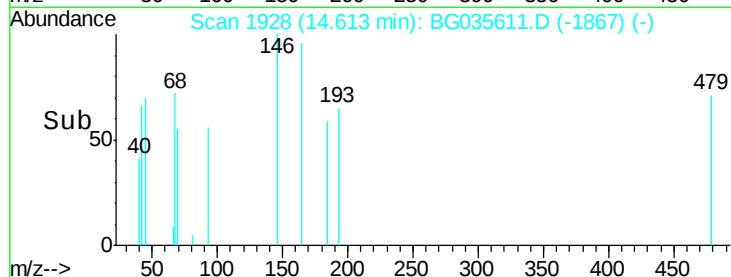
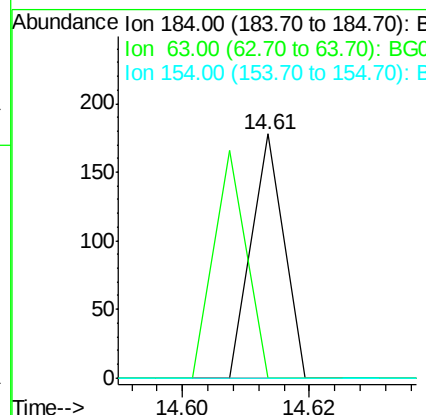
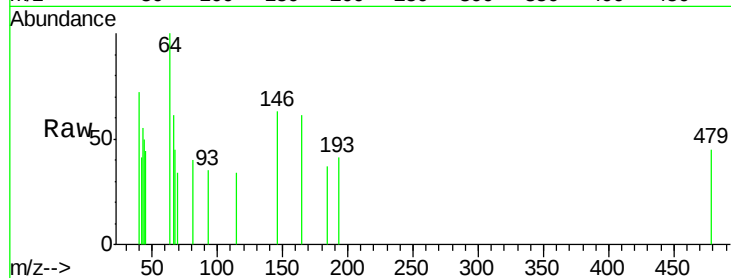




#53
2,4-Dinitrophenol
Concen: 6.634 ng
RT: 14.61 min Scan# 1928
Delta R.T. -0.17 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

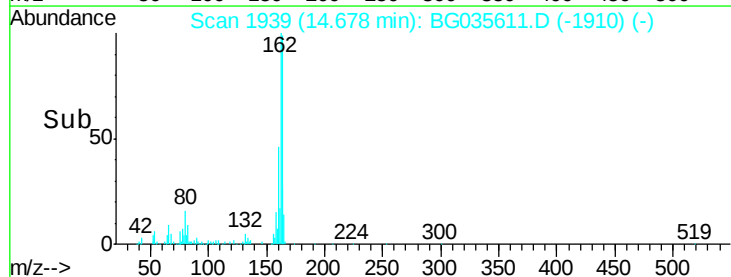
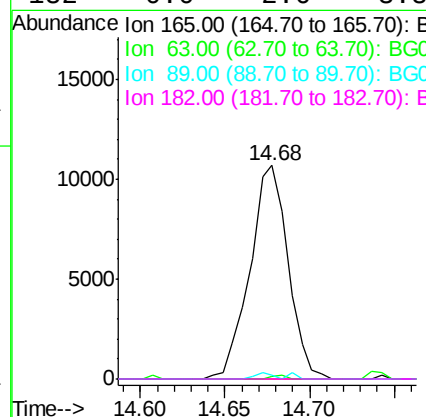
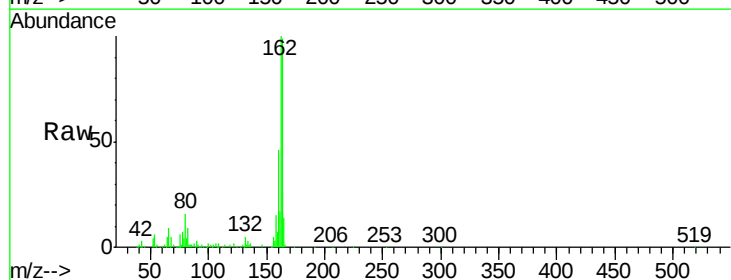
Instrument :
BNA_G
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PAR-4

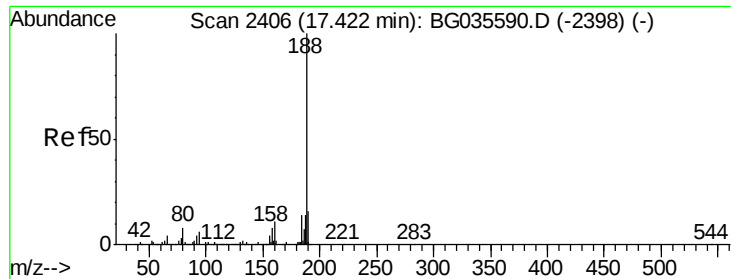
Tgt Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.354 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.36 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Tgt Ion:165 Resp: 16832
Ion Ratio Lower Upper
165 100
63 1.4 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

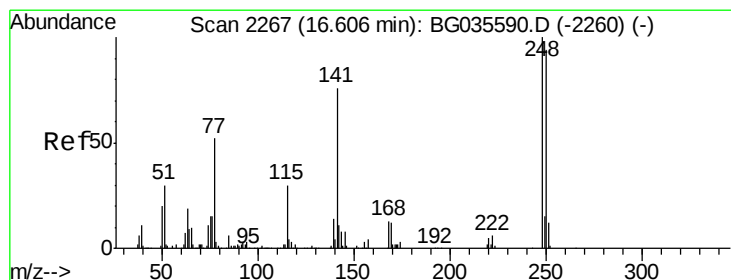
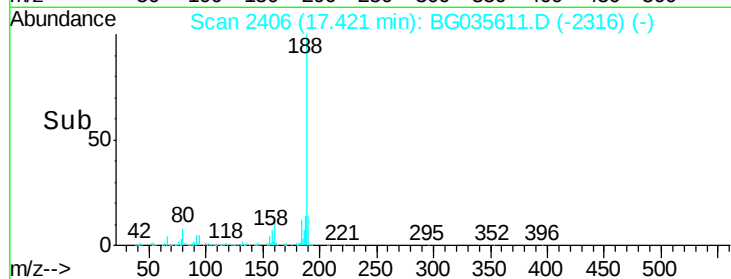
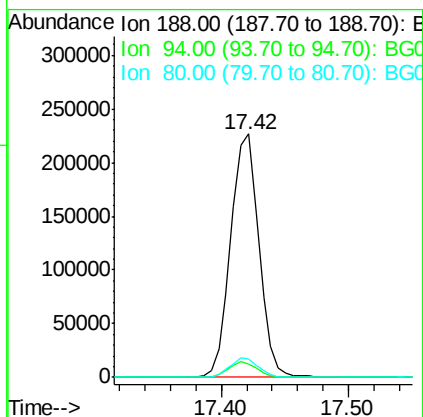
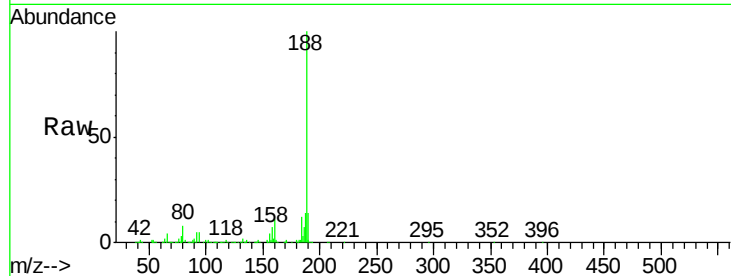




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

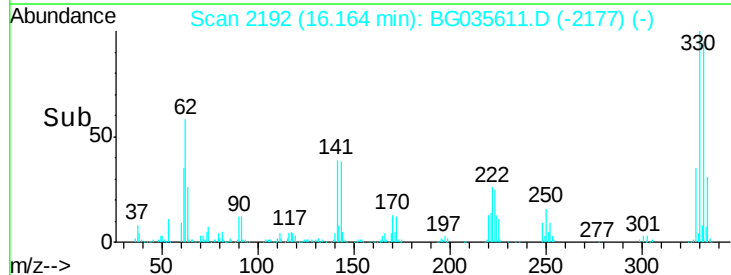
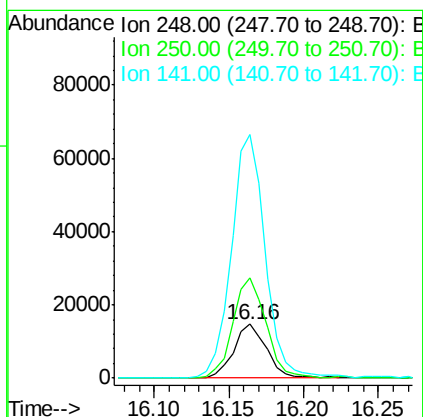
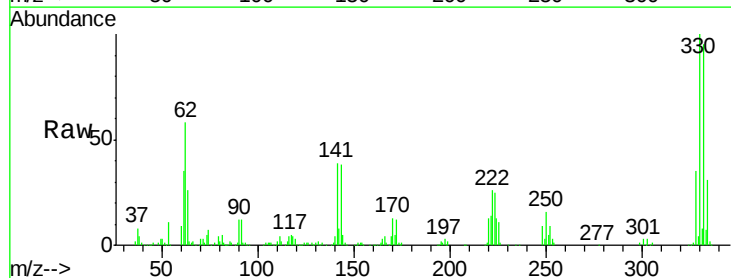
Instrument :
BNA_G
ClientSampleId :
PAR-4

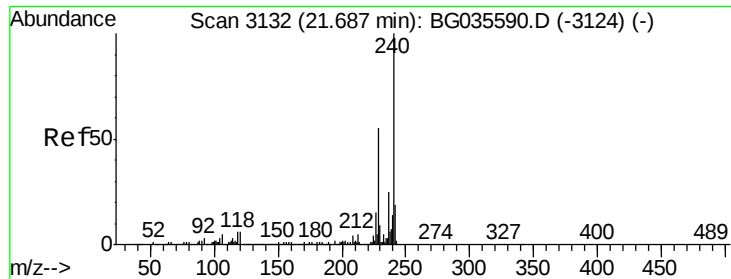
Tgt Ion:188 Resp: 347988
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 7.7 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 5.615 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.44 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Tgt Ion:248 Resp: 22669
Ion Ratio Lower Upper
248 100
250 186.0 77.1 115.7#
141 453.0 50.8 76.2#

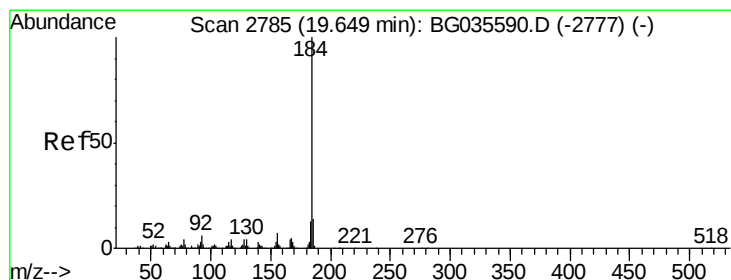
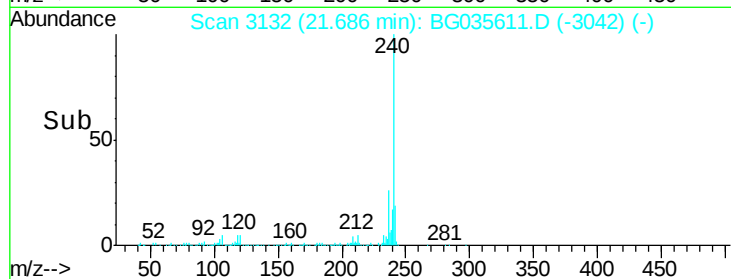
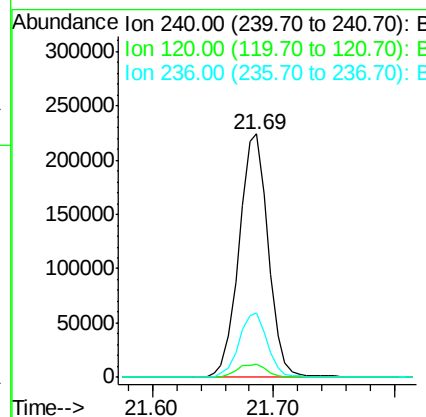
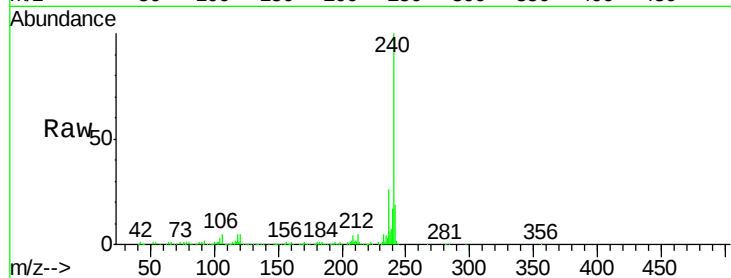




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

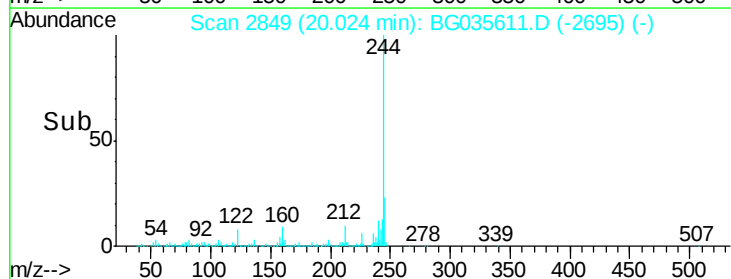
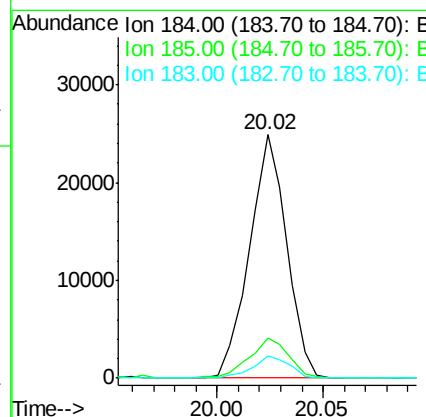
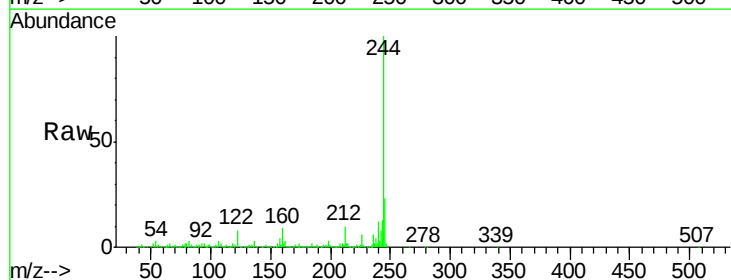
Instrument :
BNA_G
ClientSampleId :
PAR-4

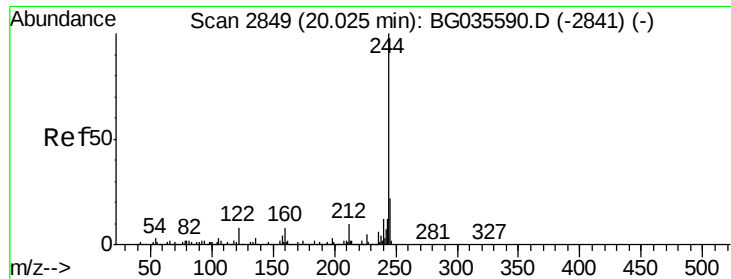
Tgt Ion:240 Resp: 377766
Ion Ratio Lower Upper
240 100
120 5.3 6.8 10.2#
236 26.4 20.9 31.3



#76
Benzidine
Concen: 3.056 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.38 min
Lab File: BG035611.D
Acq: 13 Jul 2018 1:43

Tgt Ion:184 Resp: 30352
Ion Ratio Lower Upper
184 100
185 16.7 11.1 16.7#
183 9.2 10.6 16.0#





#78

Terphenyl-d14

Concen: 96.973 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

Instrument :

BNA_G

ClientSampleId :

PAR-4

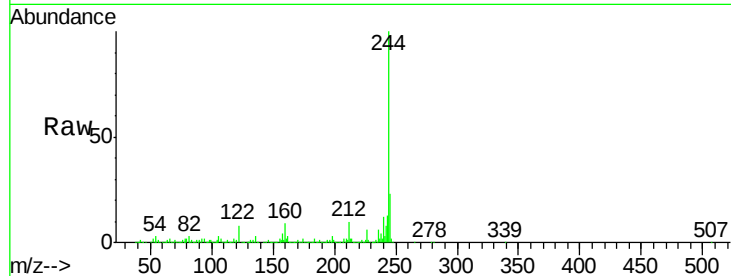
Tgt Ion:244 Resp: 1661893

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

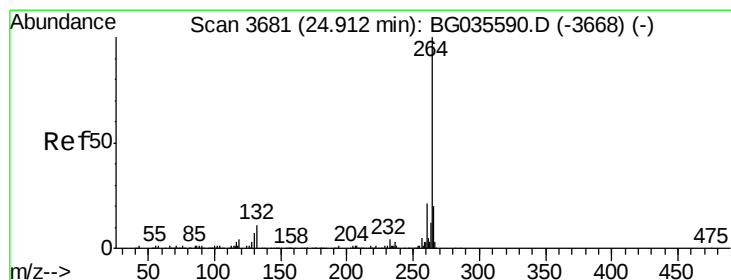
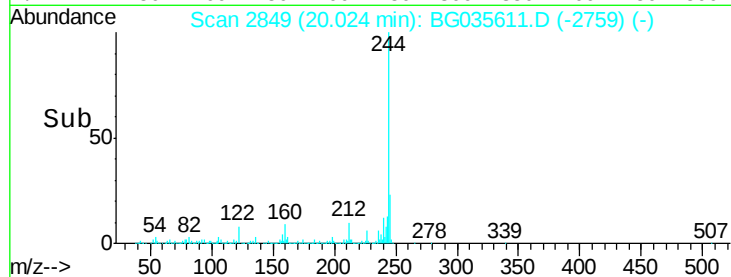
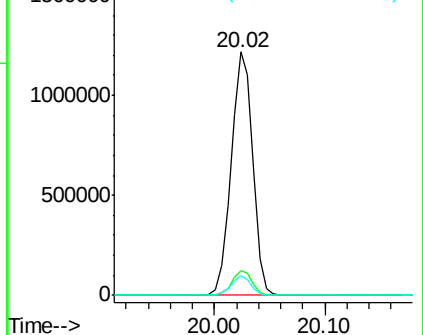
122 8.2 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3679

Delta R.T. -0.01 min

Lab File: BG035611.D

Acq: 13 Jul 2018 1:43

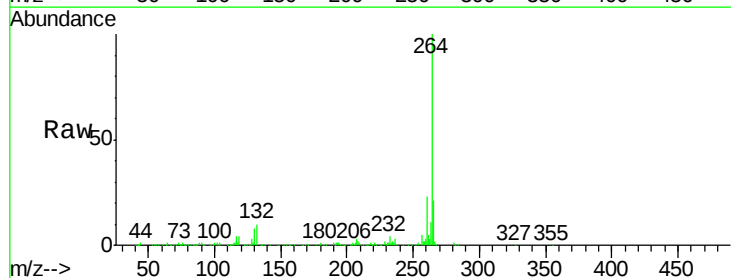
Tgt Ion:264 Resp: 342503

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 21.2 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

