

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035436.D
 Acq On : 27 Jun 2018 8:32
 Operator : JU/SJ
 Sample : J3629-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 09:20:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

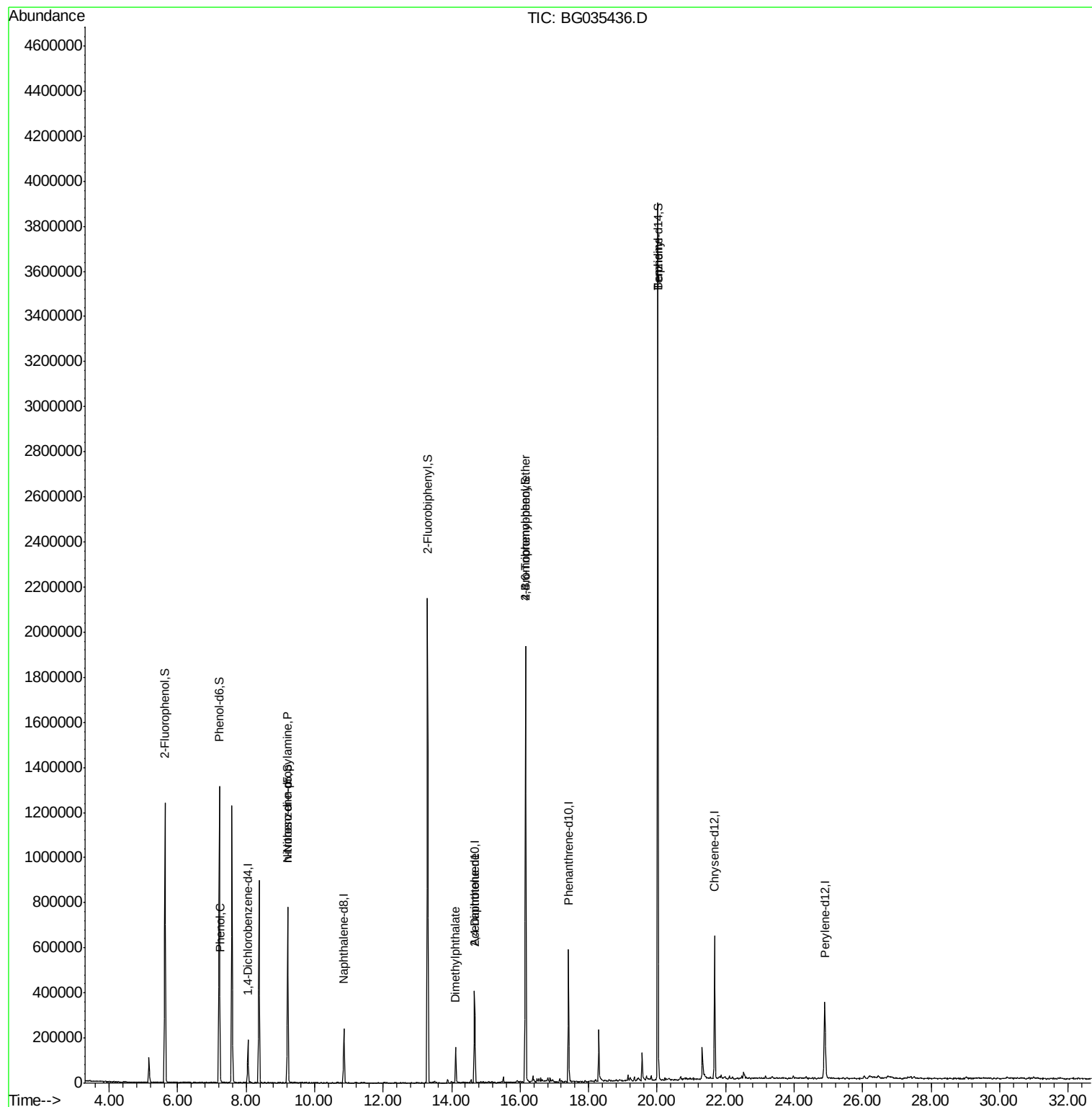
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54716	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	204258	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	146014	20.00	ng	-0.03
63) Phenanthrene-d10	17.41	188	380565	20.00	ng	-0.03
75) Chrysene-d12	21.68	240	402706	20.00	ng	-0.04
86) Perylene-d12	24.90	264	397494	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	539554	166.41	ng	-0.02
7) Phenol-d6	7.21	99	789047	164.89	ng	0.00
23) Nitrobenzene-d5	9.21	82	511408	119.01	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	365203	195.38	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	1172574	104.40	ng	-0.03
78) Terphenyl-d14	20.02	244	1888140	98.21	ng	-0.03
Target Compounds						
10) Phenol	7.24	94	10467	2.114	ng	# 58
19) n-Nitroso-di-n-propylamine	9.21	70	68800	16.923	ng	# 70
49) Dimethylphthalate	14.12	163	105532	8.288	ng	# 97
56) 2,4-Dinitrotoluene	14.67	165	19961	6.469	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	27005	5.893	ng	# 1
76) Benzidine	20.02	184	33340	2.225	ng	# 91

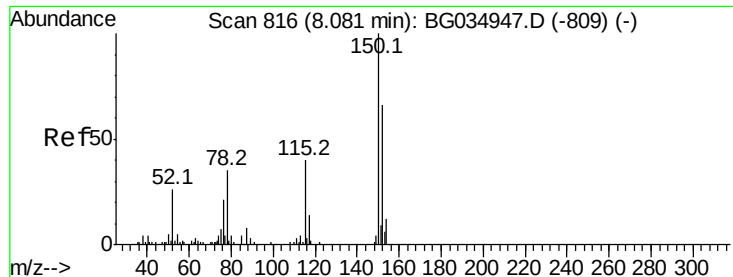
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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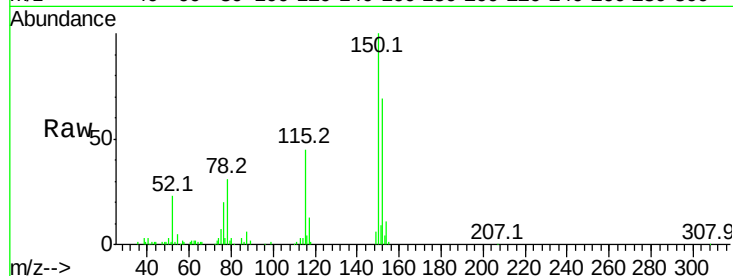


#1

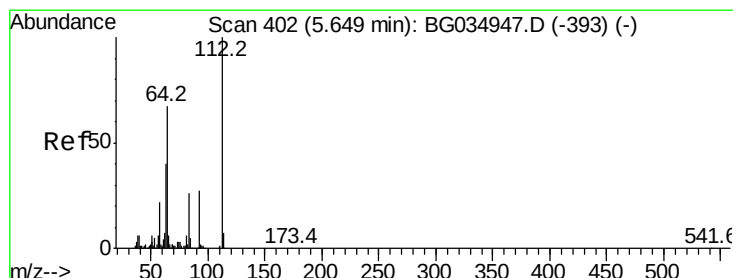
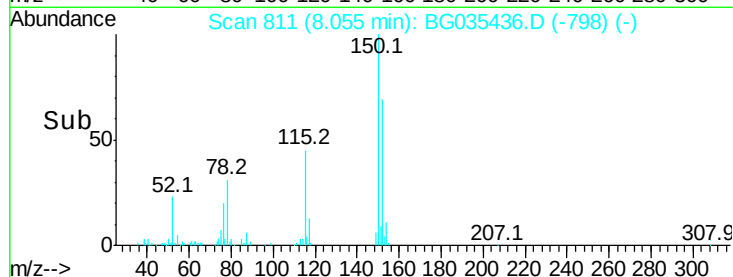
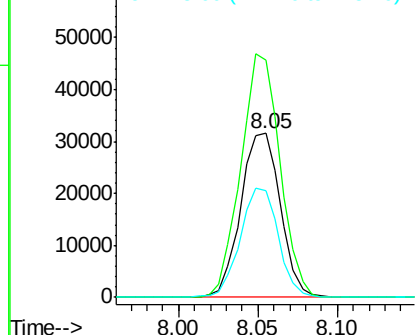
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.3	126.6	189.8
115	64.6	53.0	79.4



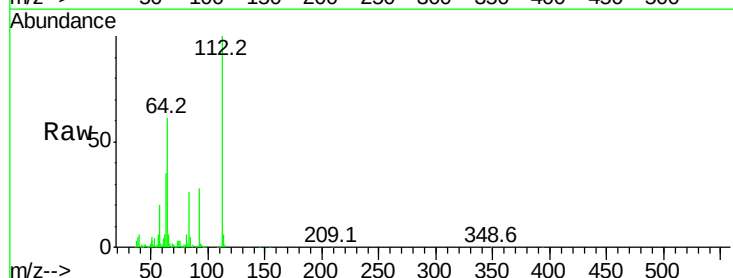
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



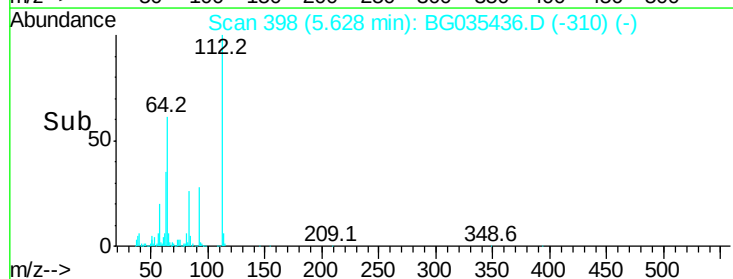
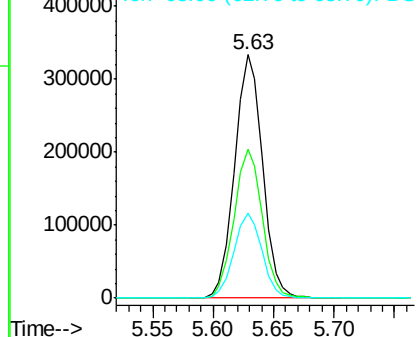
#5

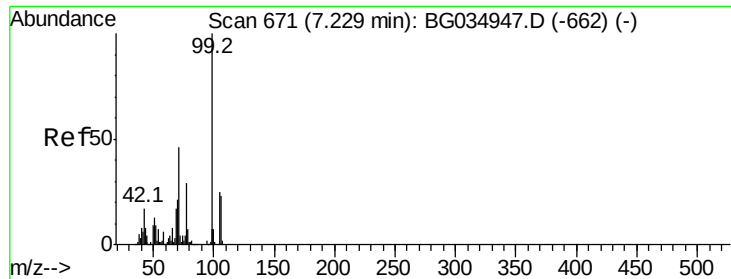
2-Fluorophenol
Concen: 166.415 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	56.3	84.5
63	34.6	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: 164.889 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Instrument :

BNA_G

ClientSampleId :

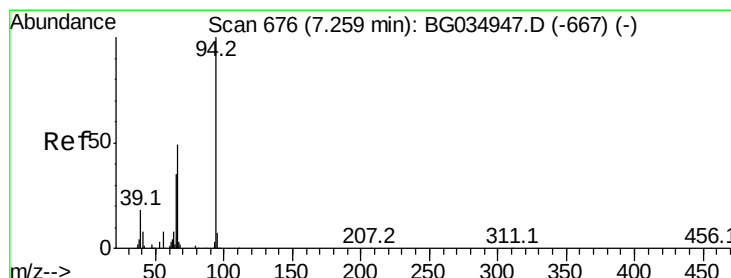
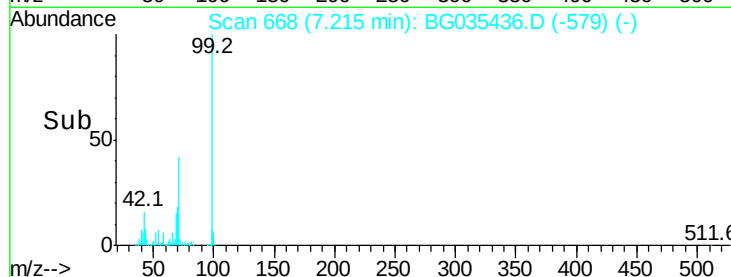
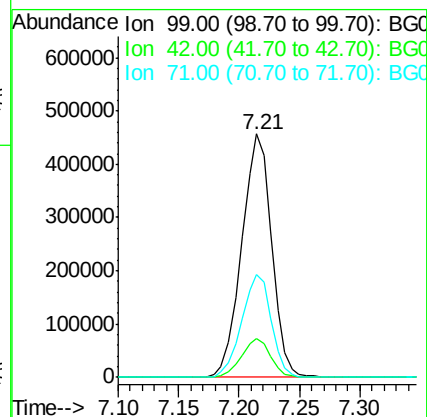
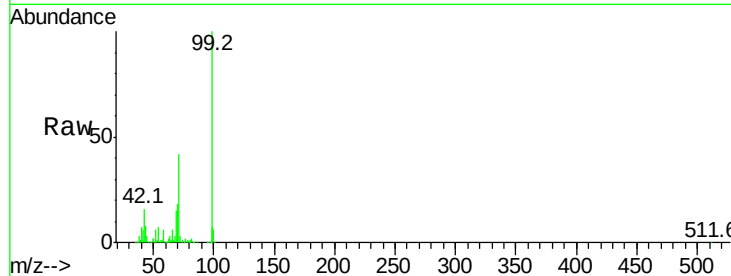
Tot Ion: 99 Resp: 789047

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

71 42.0 26.1 39.1#



#10

Phenol

Concen: 2.114 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

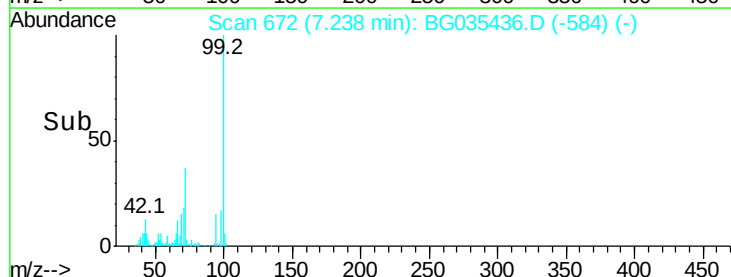
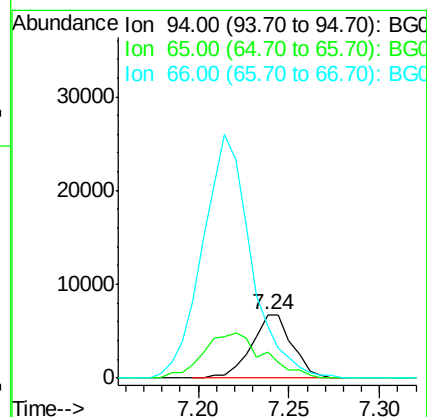
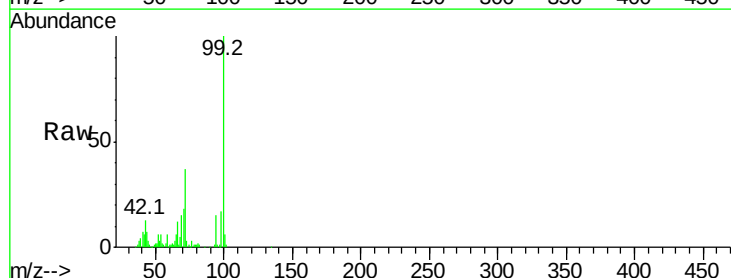
Tgt Ion: 94 Resp: 10467

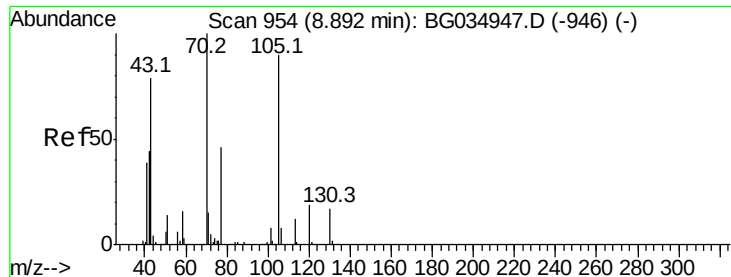
Ion Ratio Lower Upper

94 100

65 39.9 11.9 51.9

66 82.0 22.2 62.2#

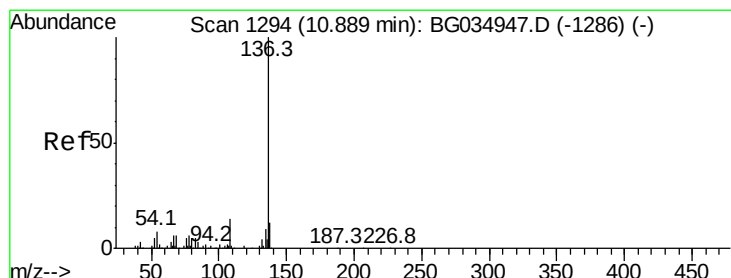
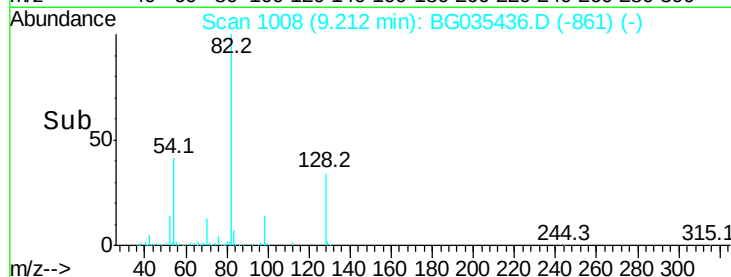
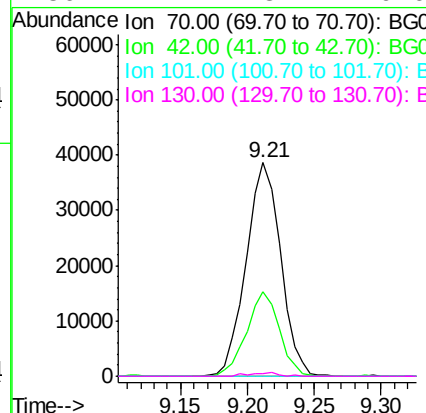
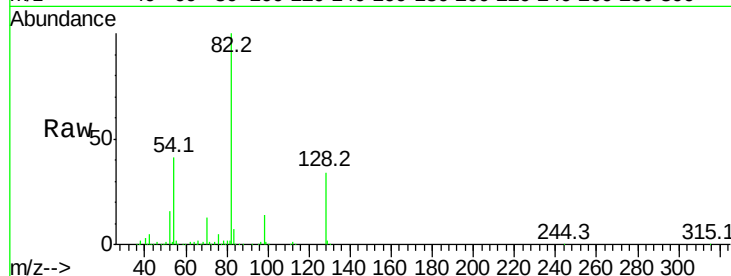




#19
n-Nitroso-di-n-propylamine
Concen: 16.923 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.33 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

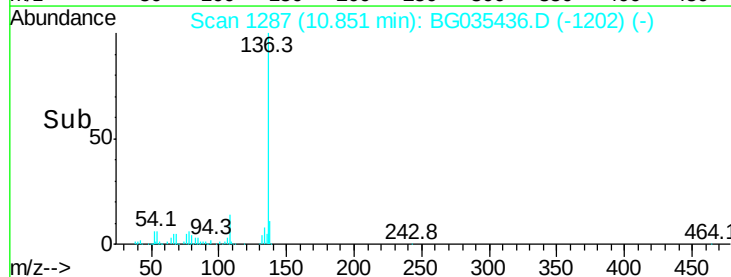
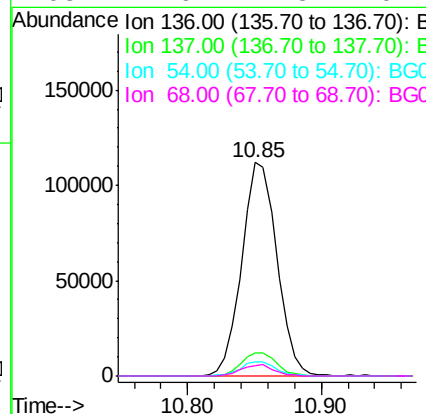
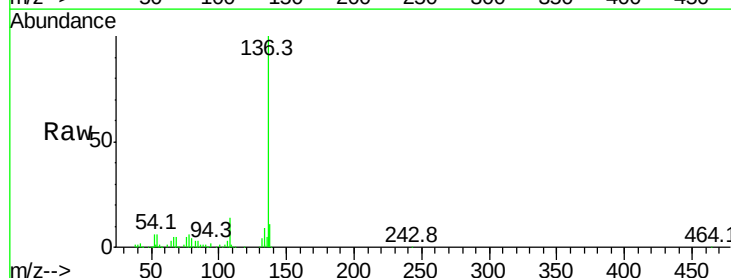
Instrument :
BNA_G
ClientSampleId :

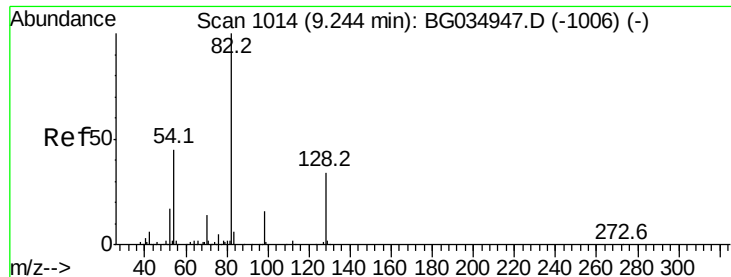
Tot Ion: 70 Resp: 68800
Ion Ratio Lower Upper
70 100
42 39.6 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.03 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

Tgt Ion: 136 Resp: 204258
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 6.4 10.3 15.5#
68 4.9 4.5 6.7

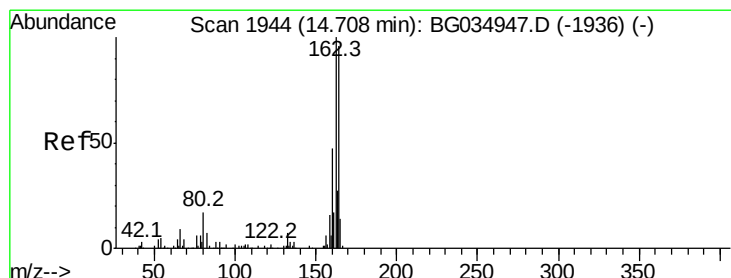
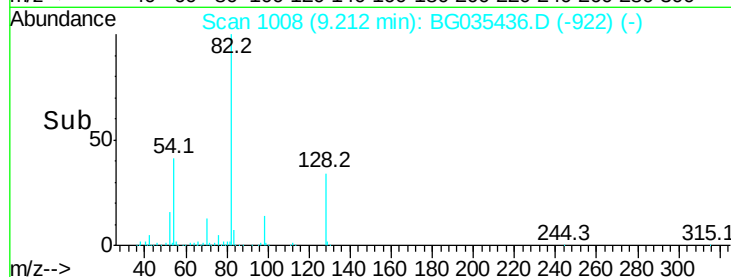
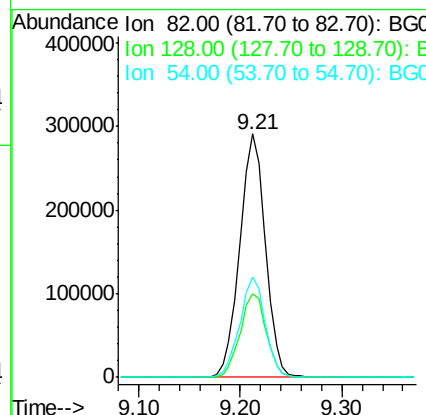
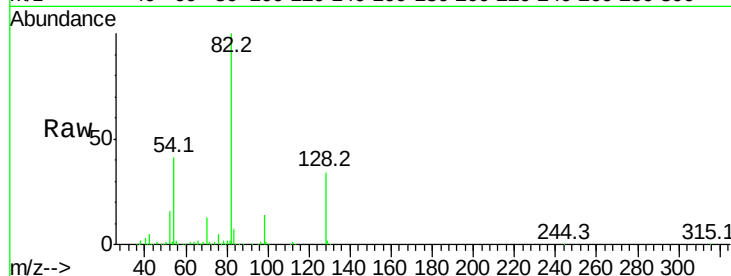




#23
 Nitrobenzene-d5
 Concen: 119.013 ng
 RT: 9.21 min Scan# 1008
 Delta R.T. -0.03 min
 Lab File: BG035436.D
 Acq: 27 Jun 2018 8:32

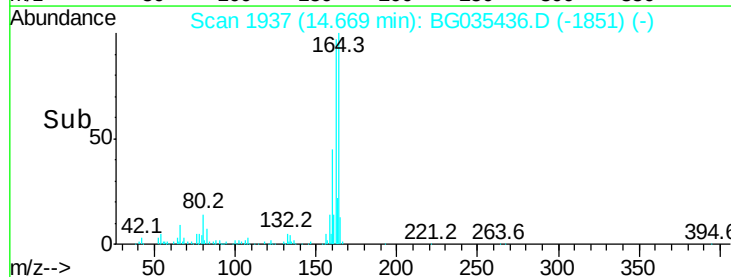
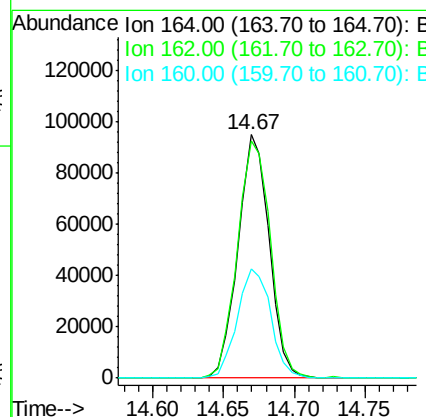
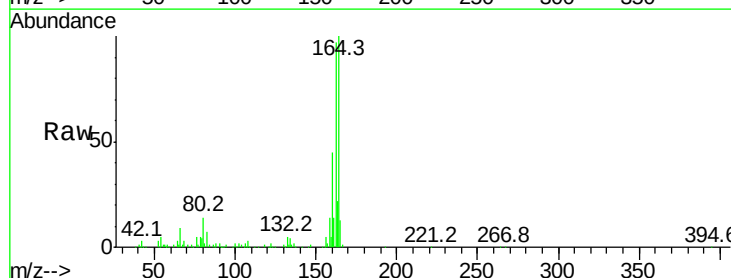
Instrument :
 BNA_G
 ClientSampleId :

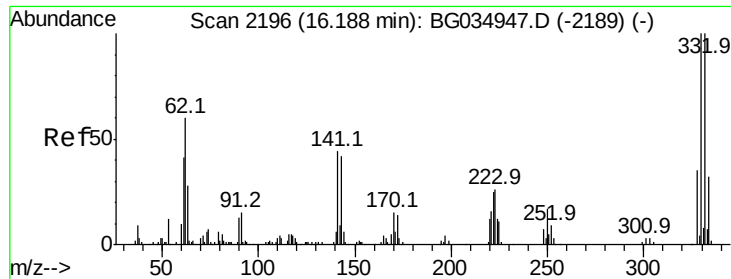
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.3	29.7	44.5
54	41.2	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.03 min
 Lab File: BG035436.D
 Acq: 27 Jun 2018 8:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	78.8	118.2
160	44.6	35.4	53.0

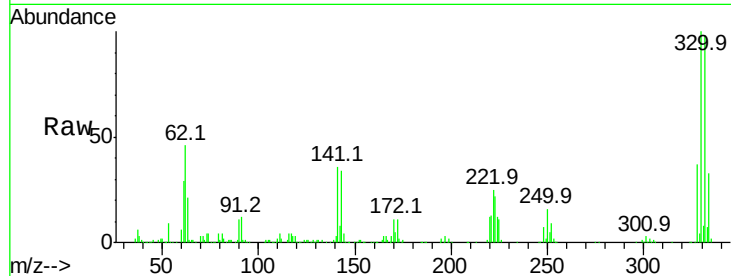




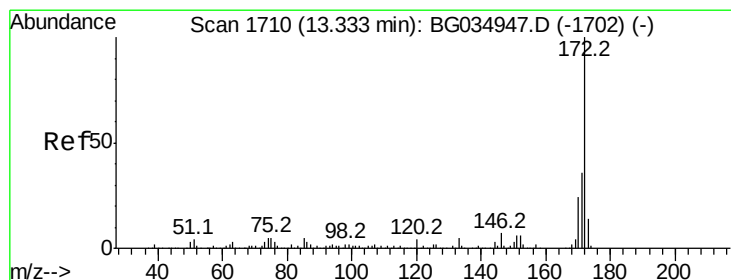
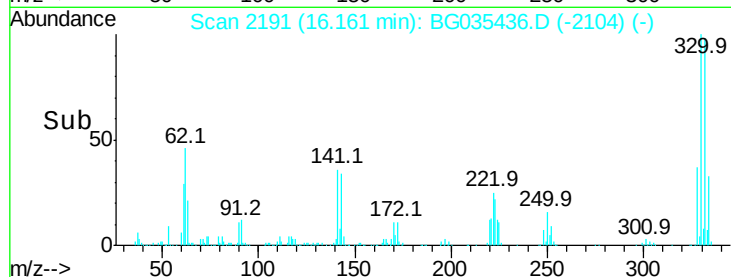
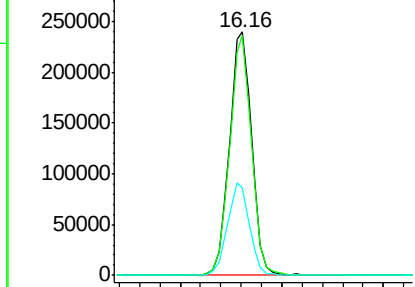
#41
 2,4,6-Tribromophenol
 Concen: 195.383 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BG035436.D
 Acq: 27 Jun 2018 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 365203
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 37.3 25.2 37.8

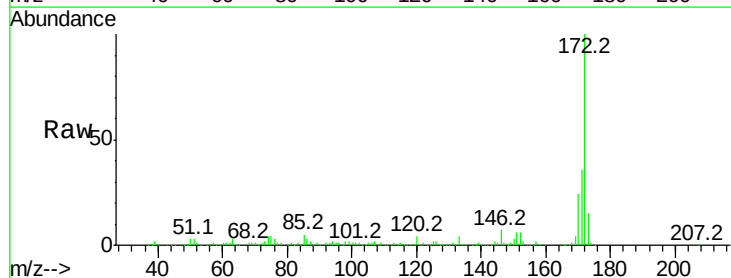


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

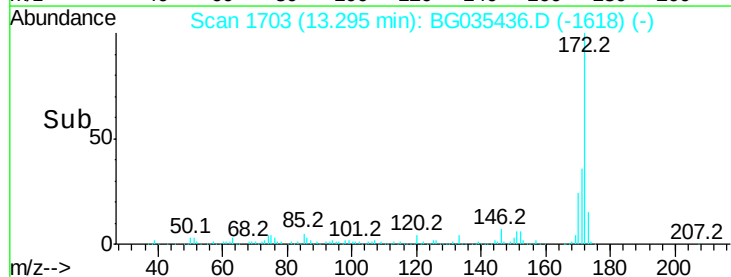
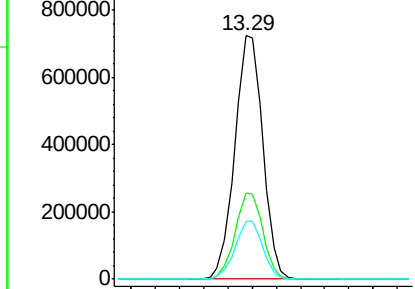


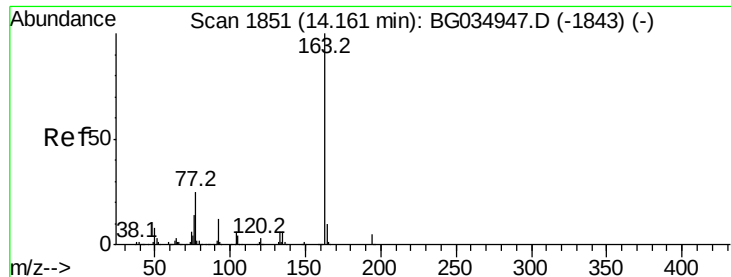
#44
 2-Fluorobiphenyl
 Concen: 104.397 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.03 min
 Lab File: BG035436.D
 Acq: 27 Jun 2018 8:32

Tgt Ion:172 Resp: 1172574
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.0 45.0
 170 23.6 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.288 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.04 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Instrument :

BNA_G

ClientSampleId :

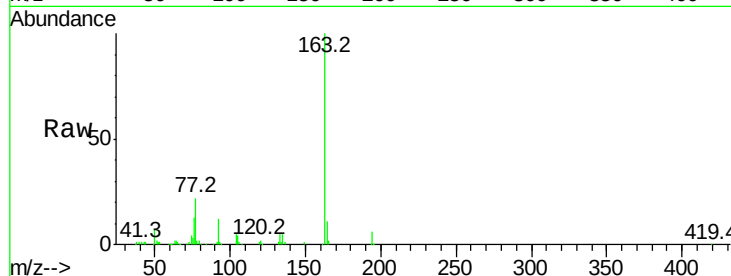
Tot Ion:163 Resp: 105532

Ion Ratio Lower Upper

163 100

194 5.6 3.4 5.2#

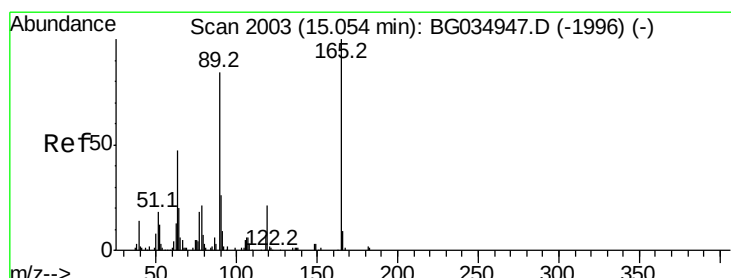
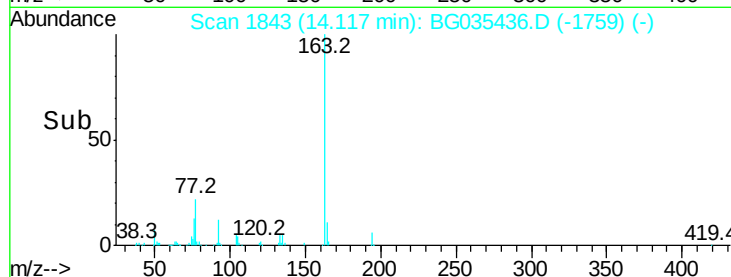
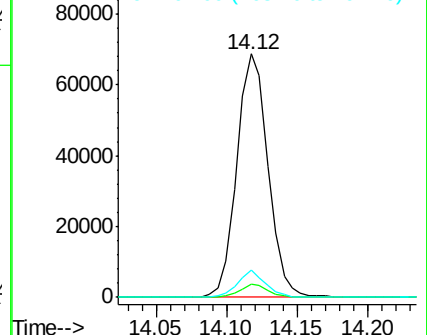
164 11.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.469 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.38 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Tgt Ion:165 Resp: 19961

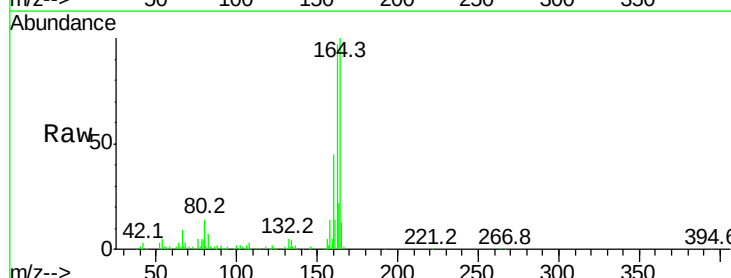
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

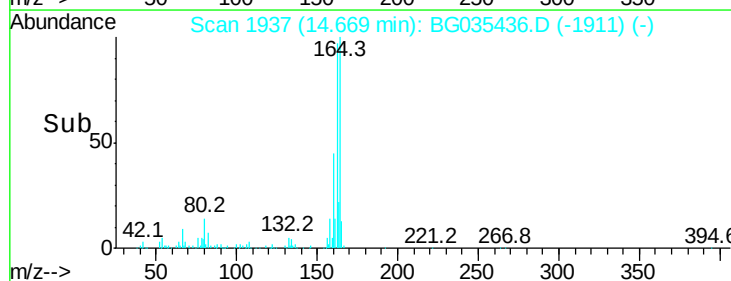
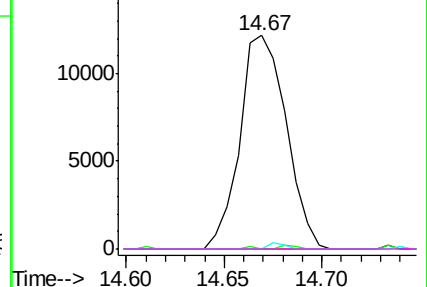


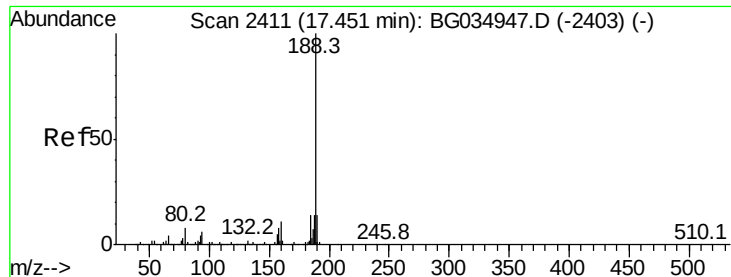
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2404

Delta R.T. -0.03 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Instrument :

BNA_G

ClientSampleId :

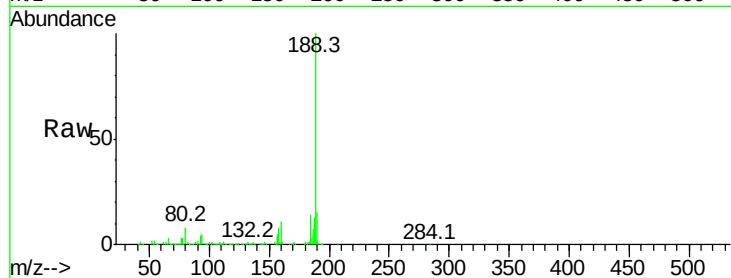
Tot Ion:188 Resp: 380565

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

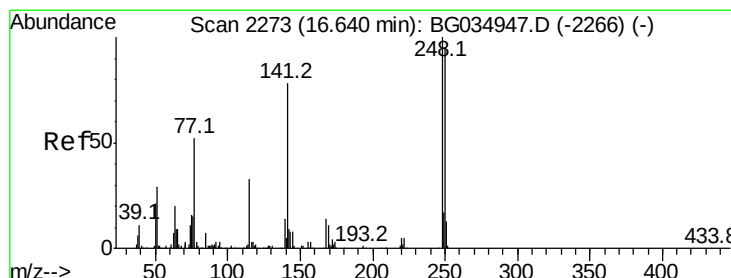
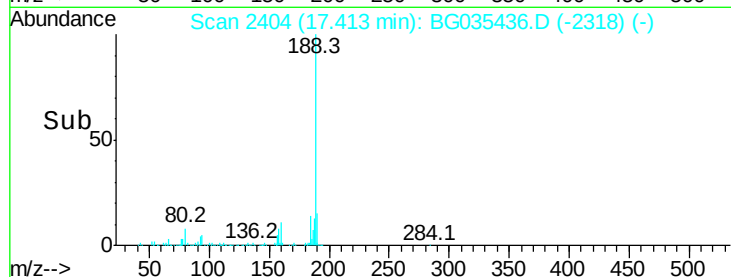
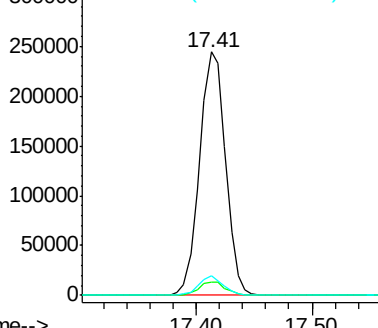
80 8.0 7.7 11.5



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: 5.893 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.47 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

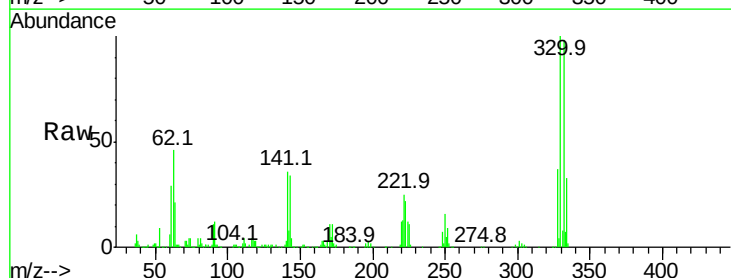
Tgt Ion:248 Resp: 27005

Ion Ratio Lower Upper

248 100

250 221.0 77.1 115.7#

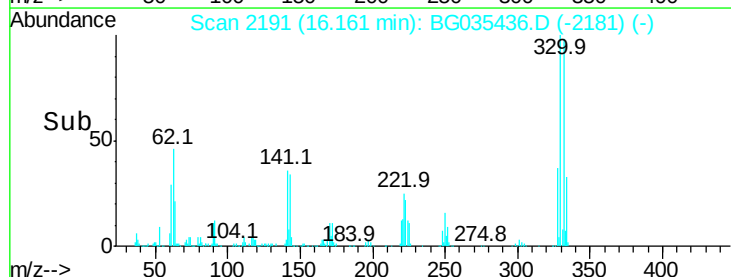
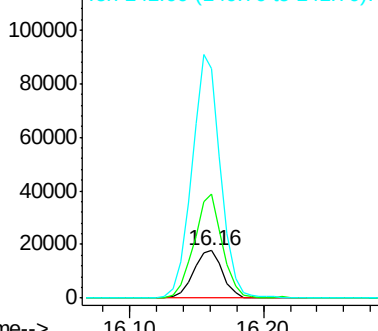
141 488.1 50.8 76.2#

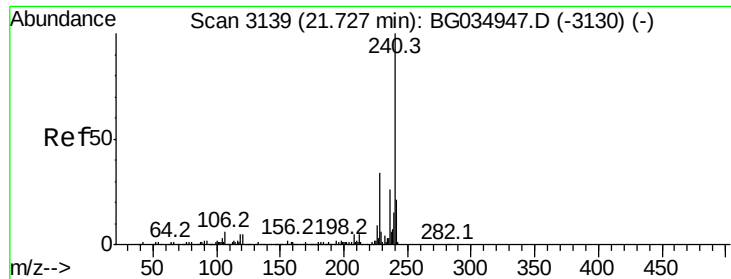


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

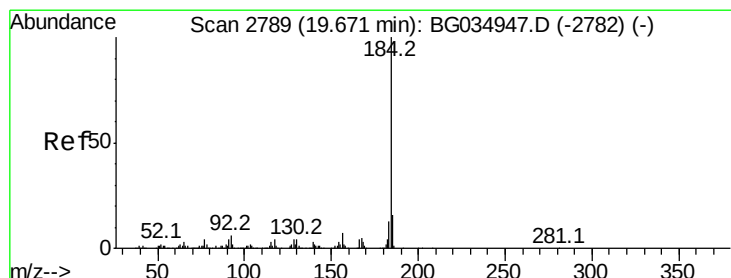
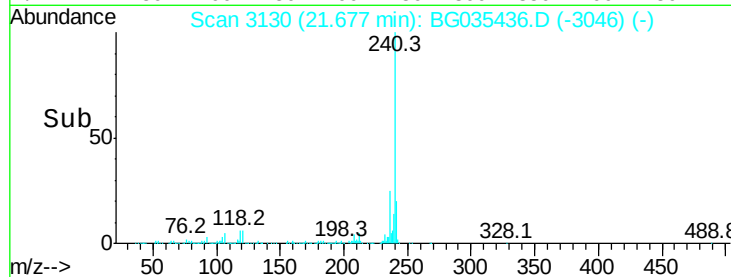
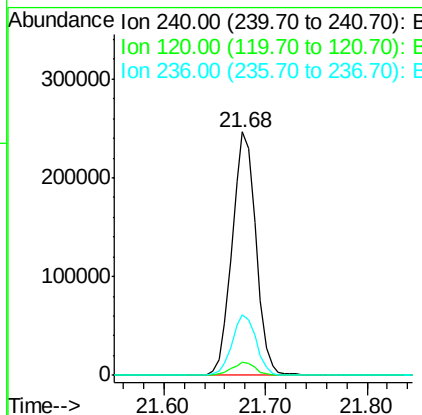
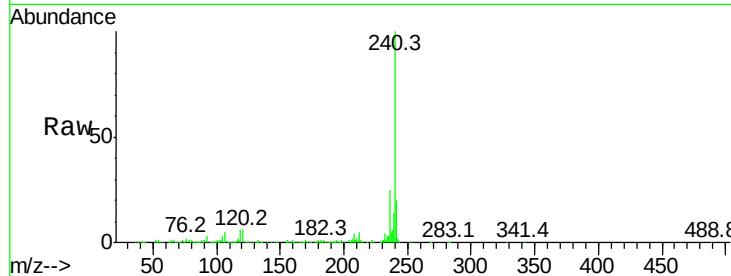




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.04 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

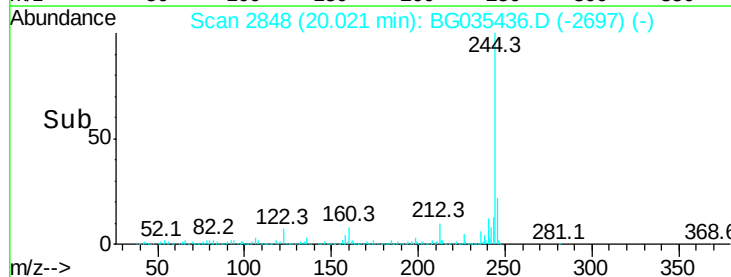
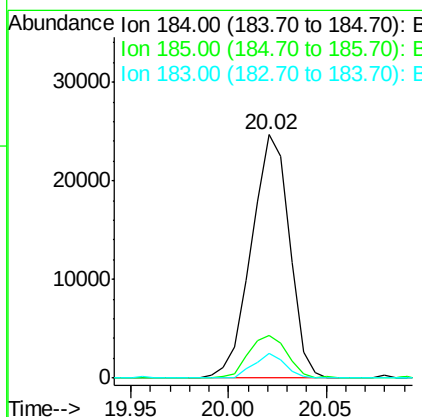
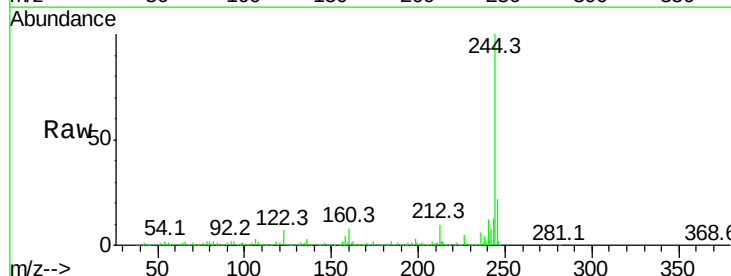
Instrument :
BNA_G
ClientSampleId :

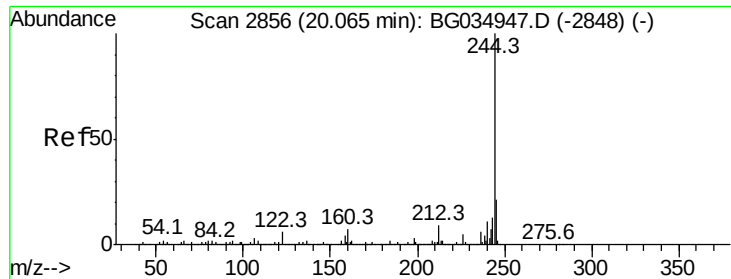
Tot Ion:240 Resp: 402706
Ion Ratio Lower Upper
240 100
120 5.5 6.8 10.2#
236 25.0 20.9 31.3



#76
Benzidine
Concen: 2.225 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.35 min
Lab File: BG035436.D
Acq: 27 Jun 2018 8:32

Tgt Ion:184 Resp: 33340
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 10.3 10.6 16.0#





#78

Terphenyl-d14

Concen: 98.212 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Instrument :

BNA_G

ClientSampleId :

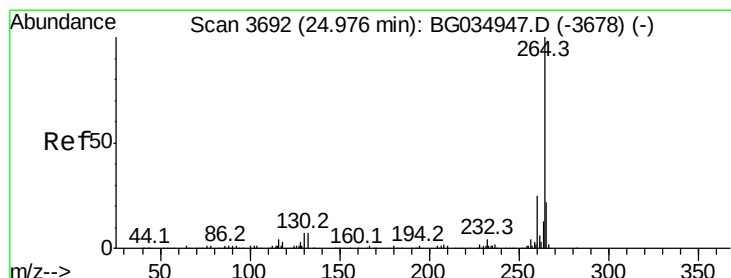
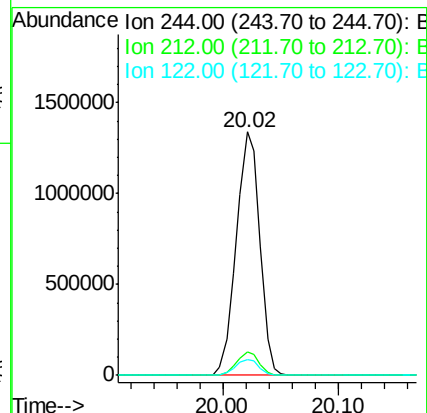
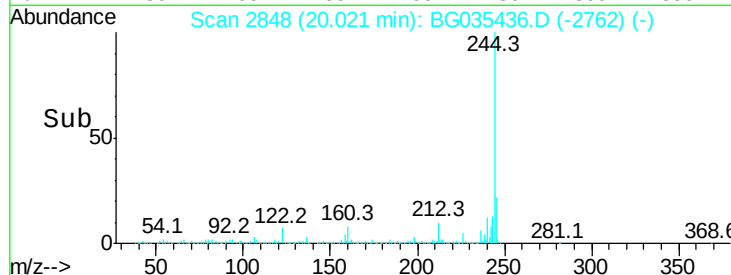
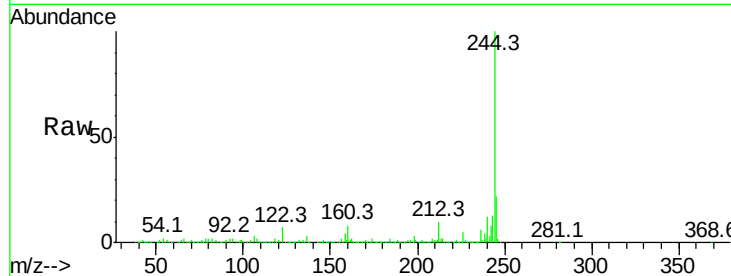
Tot Ion:244 Resp: 1888140

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

122 6.6 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035436.D

Acq: 27 Jun 2018 8:32

Tgt Ion:264 Resp: 397494

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 19.8 17.7 26.5

