

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034961.D
 Acq On : 7 Jun 2018 20:41
 Operator : SJ/JU
 Sample : J3251-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-060518

Quant Time: Jun 08 04:33:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 07 13:13:20 2018
 Response via : Initial Calibration

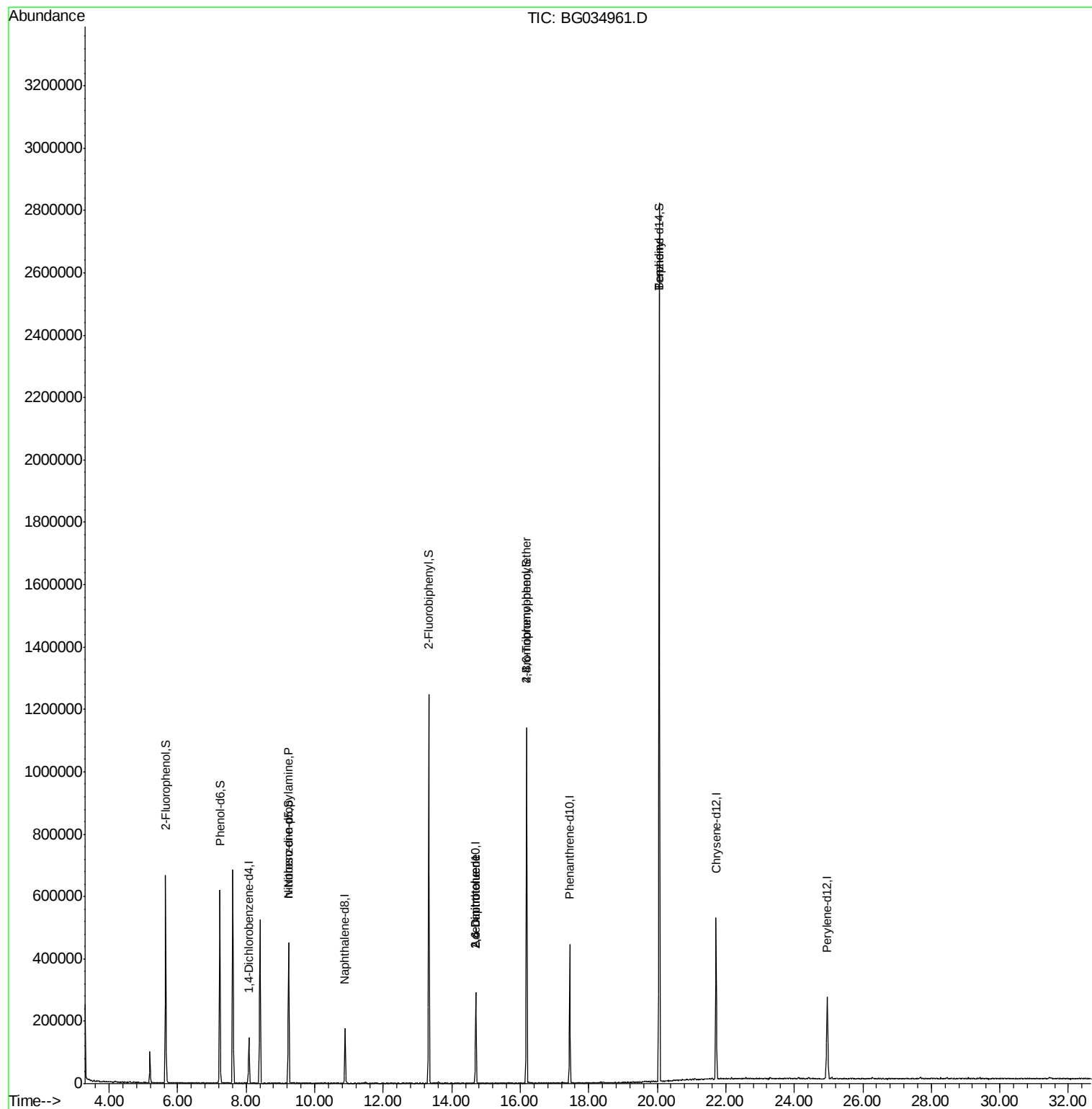
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38281	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	141850	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	100540	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	278483	20.00	ng	0.00
75) Chrysene-d12	21.72	240	301568	20.00	ng	0.00
86) Perylene-d12	24.96	264	293597	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	266259	117.38	ng	0.00
7) Phenol-d6	7.23	99	352945	105.42	ng	0.00
23) Nitrobenzene-d5	9.24	82	282158	94.55	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	188801	146.69	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	630718	81.55	ng	0.00
78) Terphenyl-d14	20.06	244	1280231	88.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	39286	13.81	ng	# 72
50) 2,6-Dinitrotoluene	14.70	165	13753	8.60	ng	# 20
56) 2,4-Dinitrotoluene	14.70	165	13753	6.47	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	16320	4.87	ng	# 1
76) Benzidine	20.06	184	24283	2.16	ng	# 94

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

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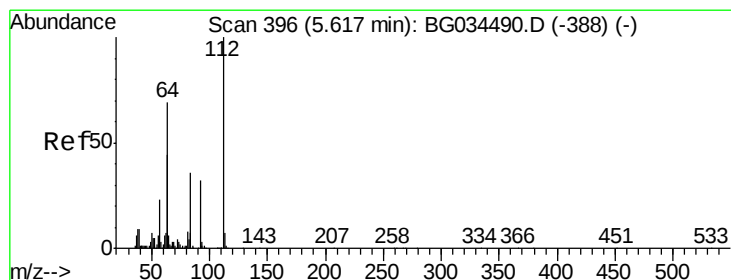
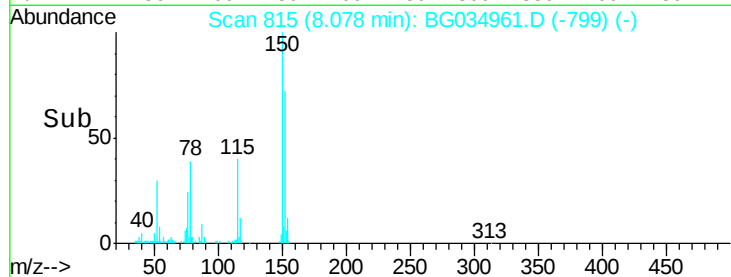
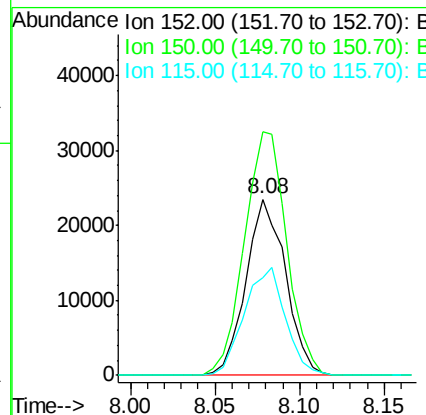
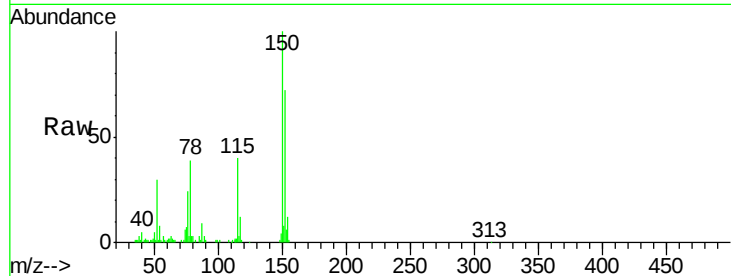


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Instrument :
BNA_G
ClientSampleId :
SU-02-060518

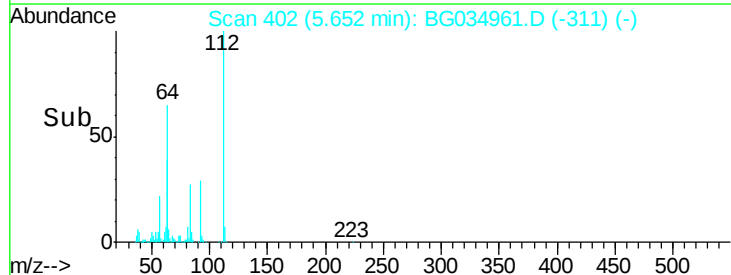
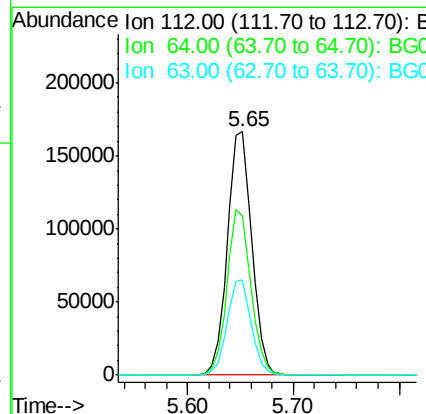
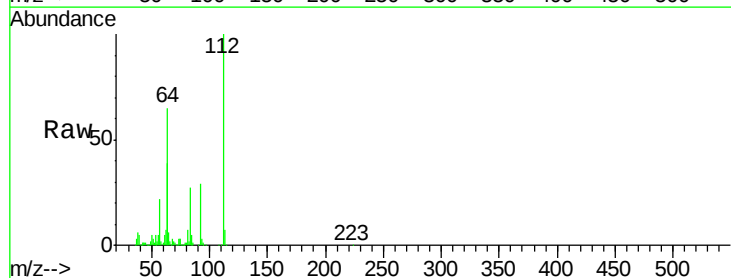
Tot Ion:152 Resp: 38281
Ion Ratio Lower Upper
152 100
150 138.2 126.6 189.8
115 55.7 53.0 79.4

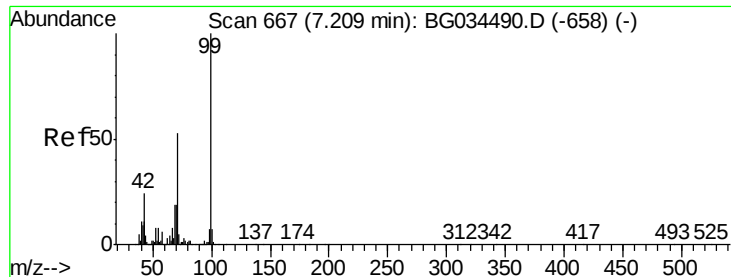


#5

2-Fluorophenol
Concen: 117.38 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Tgt Ion:112 Resp: 266259
Ion Ratio Lower Upper
112 100
64 65.4 56.3 84.5
63 38.9 30.1 45.1





#7

Phenol-d6

Concen: 105.42 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Instrument :

BNA_G

ClientSampleId :

SU-02-060518

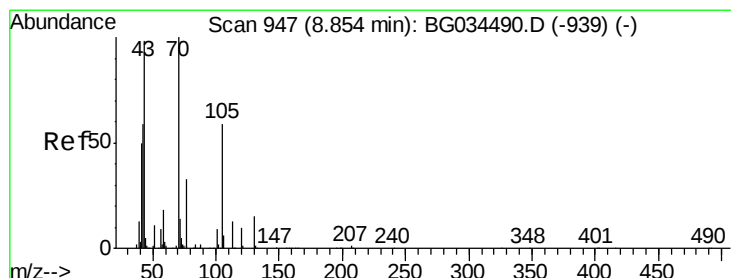
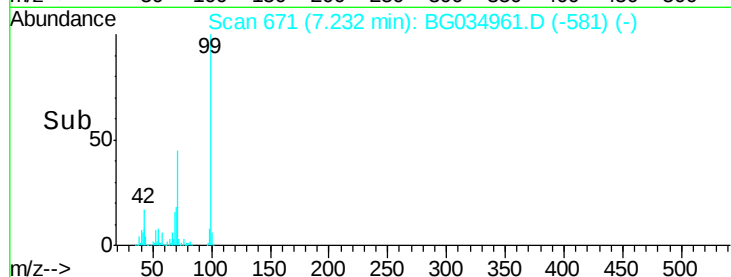
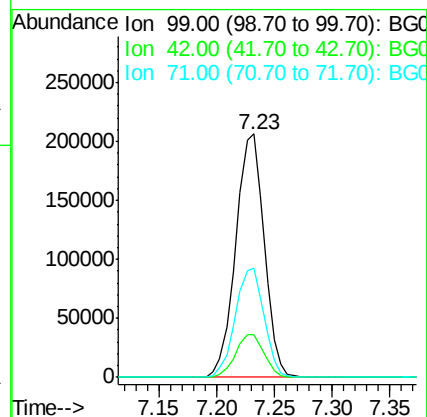
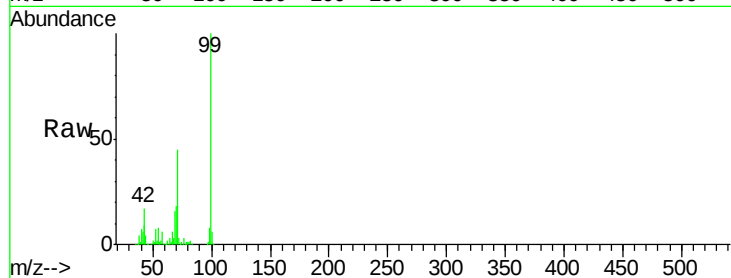
Tot Ion: 99 Resp: 352945

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

71 45.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.81 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Tgt Ion: 70 Resp: 39286

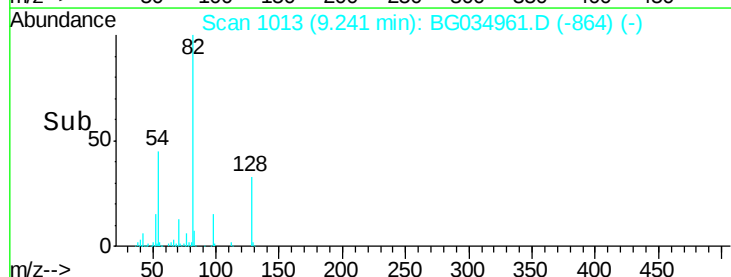
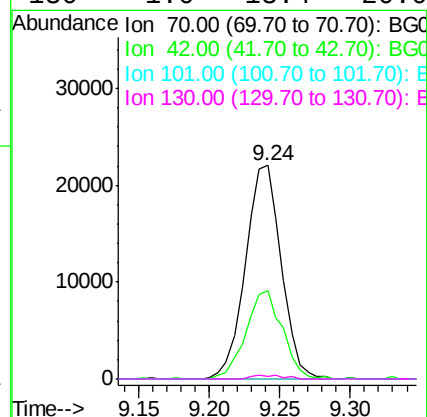
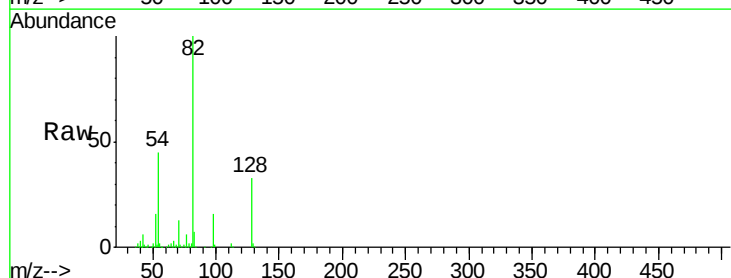
Ion Ratio Lower Upper

70 100

42 41.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.0 13.4 20.0#

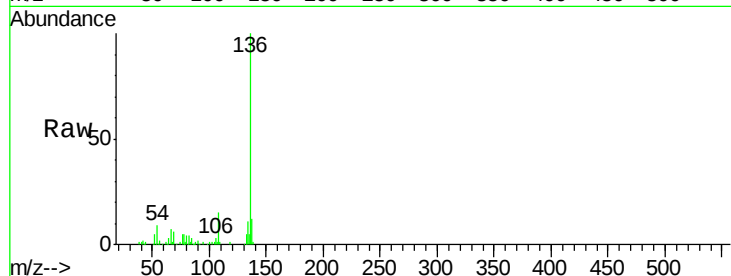




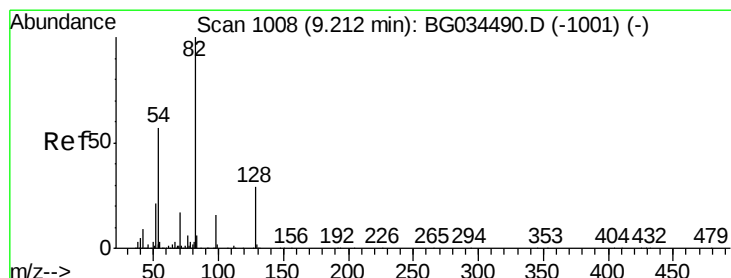
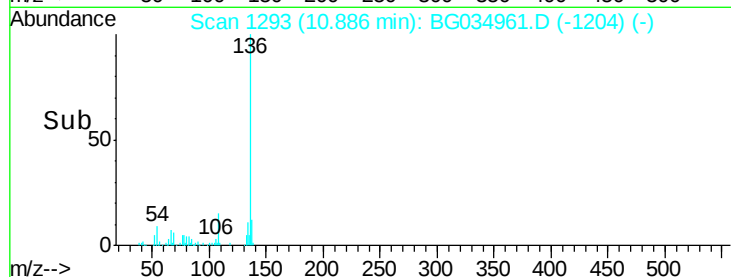
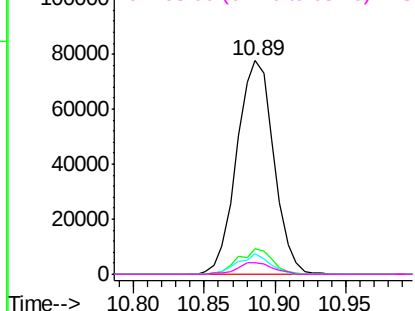
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Instrument :
BNA_G
ClientSampleId :
SU-02-060518

Tot Ion:136	Resp:	141850
Ion Ratio	Lower	Upper
136 100		
137 11.7	9.2	13.8
54 9.3	10.3	15.5#
68 5.7	4.5	6.7

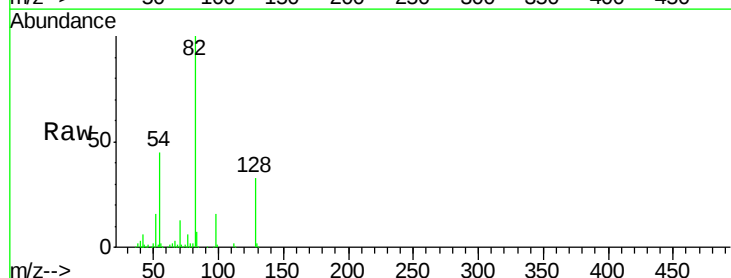


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

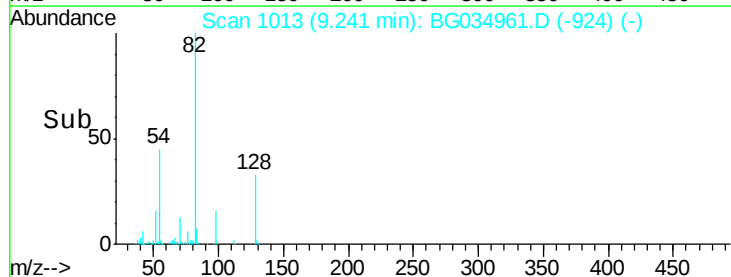
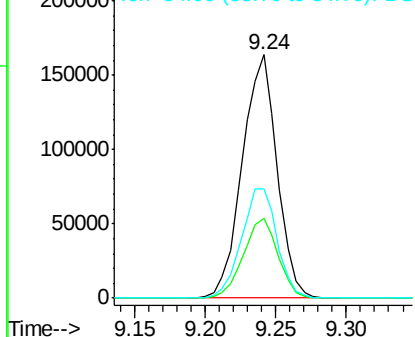


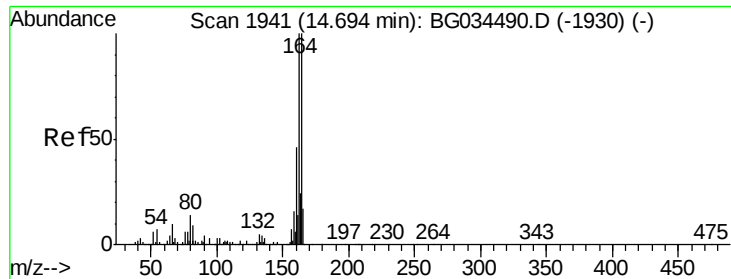
#23
Nitrobenzene-d5
Concen: 94.55 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Tgt Ion: 82	Resp: 282158
Ion Ratio	Lower Upper
82 100	
128 32.8	29.7 44.5
54 44.8	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: 20.00 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Instrument :

BNA_G

ClientSampleId :

SU-02-060518

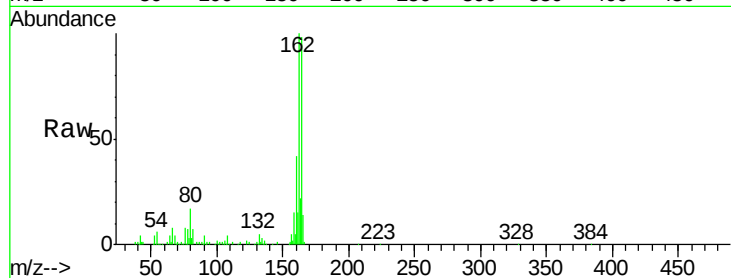
Tot Ion:164 Resp: 100540

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

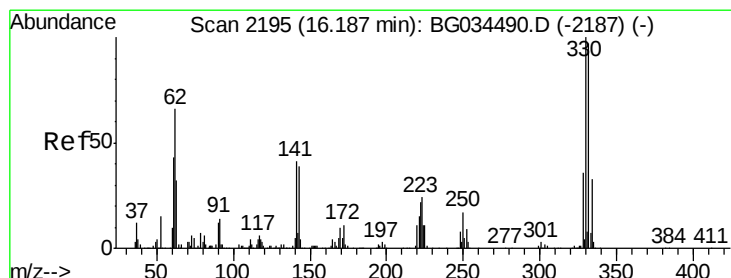
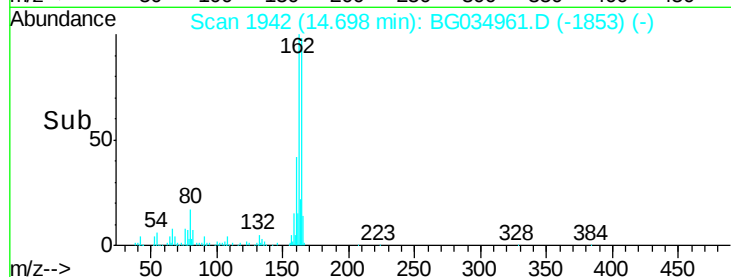
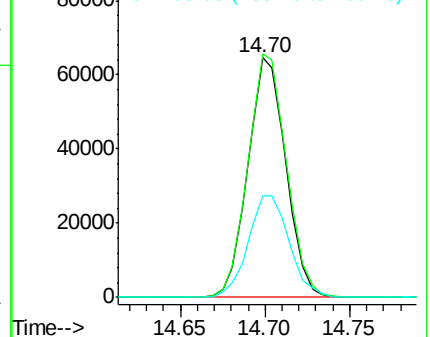
160 42.4 35.4 53.0



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: 146.69 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

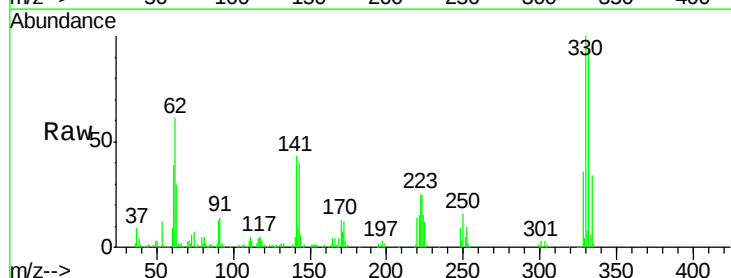
Tgt Ion:330 Resp: 188801

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

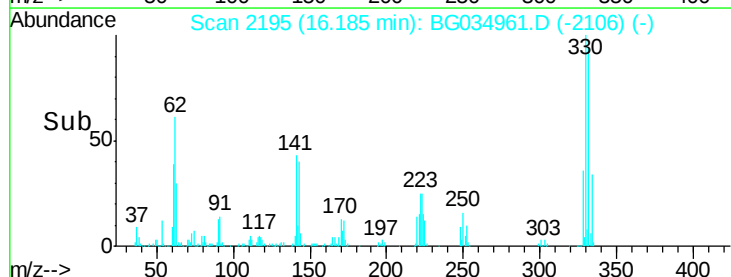
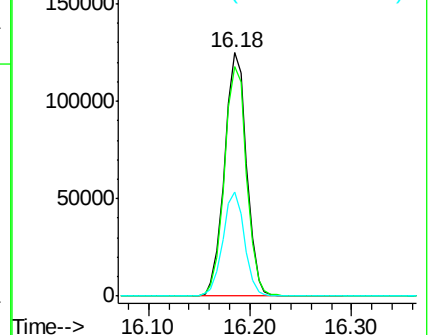
141 41.8 25.2 37.8#

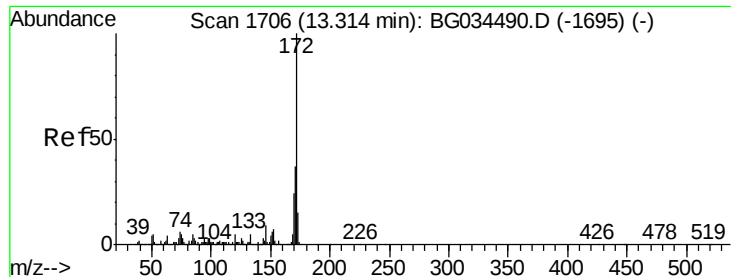


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 81.55 ng

RT: 13.33 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Instrument :

BNA_G

ClientSampleId :

SU-02-060518

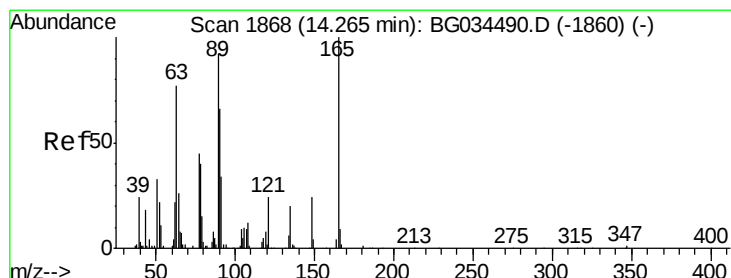
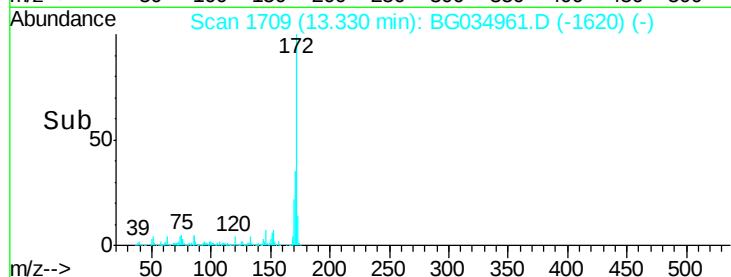
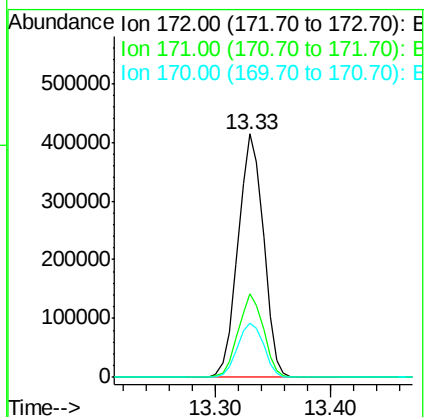
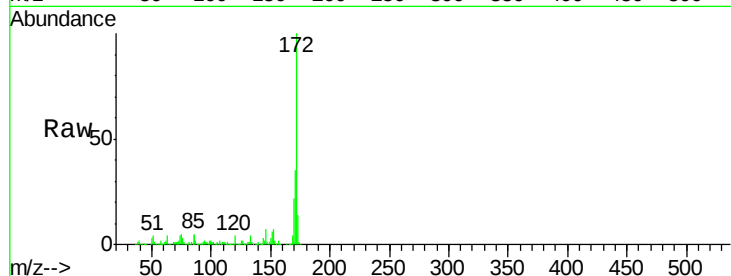
Tot Ion:172 Resp: 630718

Ion Ratio Lower Upper

172 100

171 34.6 30.0 45.0

170 22.2 19.5 29.3



#50

2,6-Dinitrotoluene

Concen: 8.60 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.42 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

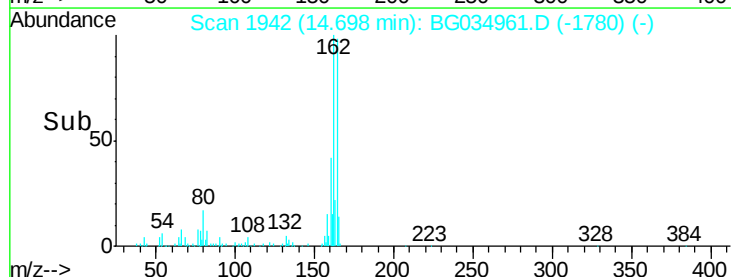
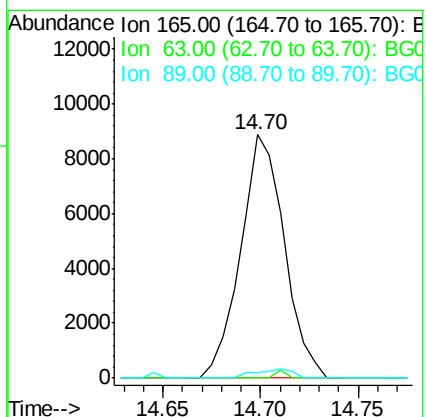
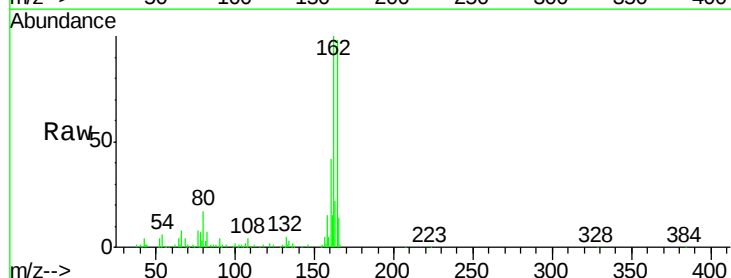
Tgt Ion:165 Resp: 13753

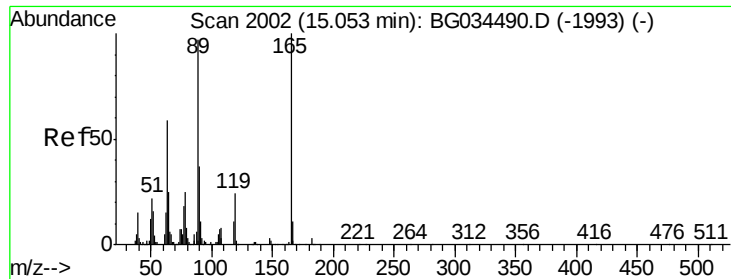
Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

89 2.4 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.47 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.37 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Instrument :

BNA_G

ClientSampleId :

SU-02-060518

Tot Ion:165 Resp: 13753

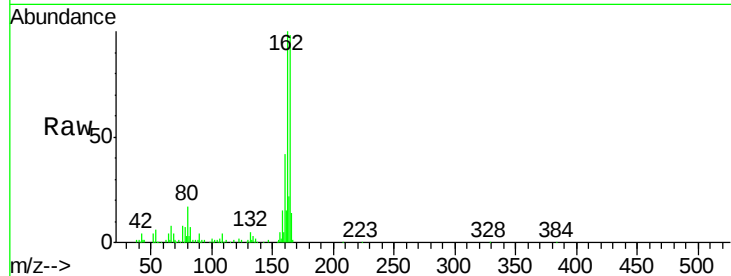
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.4 66.9 100.3#

182 0.0 2.6 3.8#

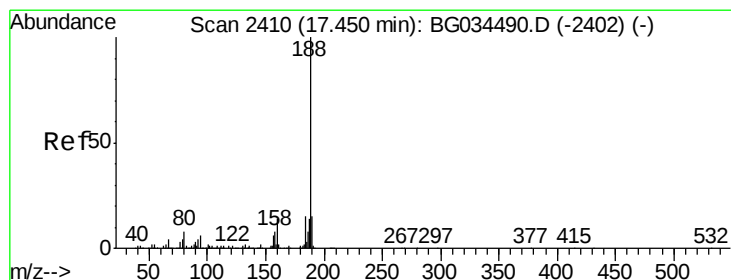
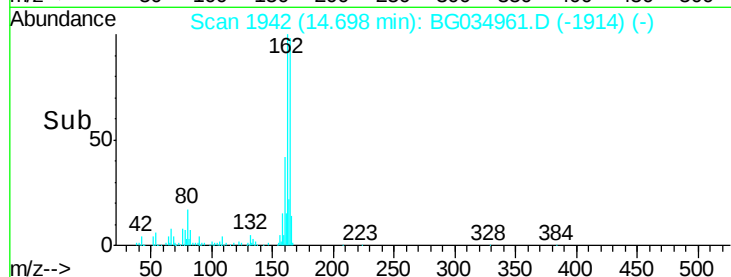
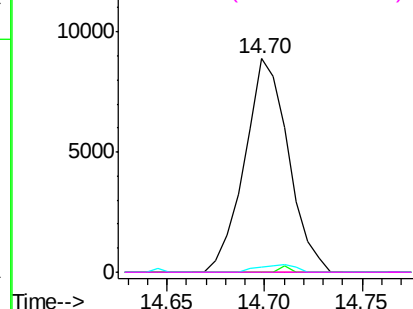


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

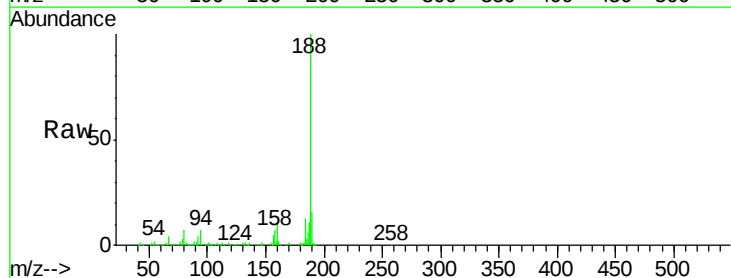
Tgt Ion:188 Resp: 278483

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

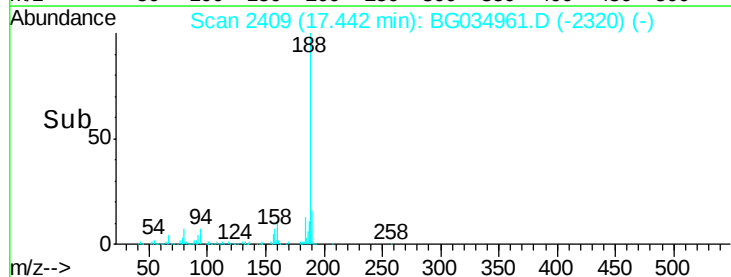
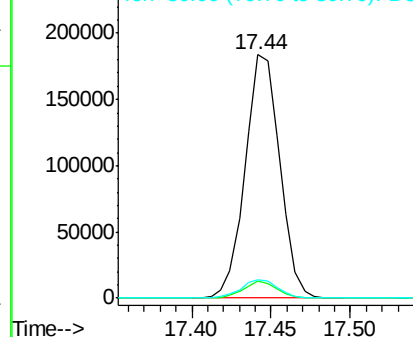
80 7.4 7.7 11.5#

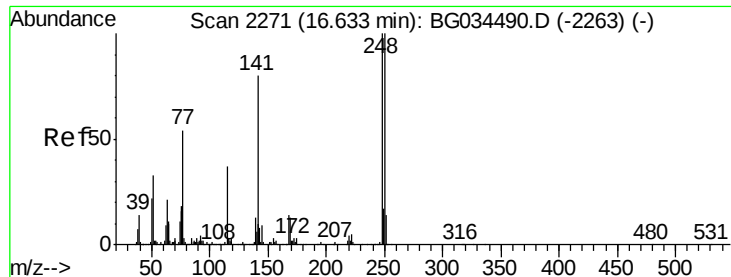


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

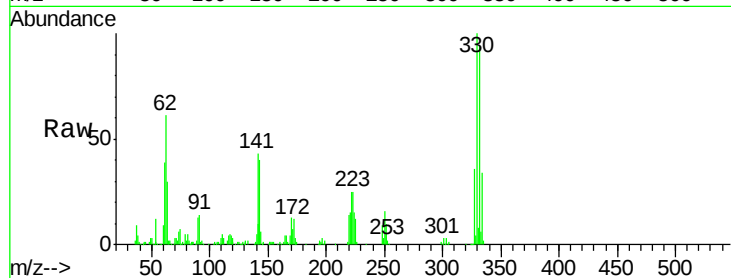




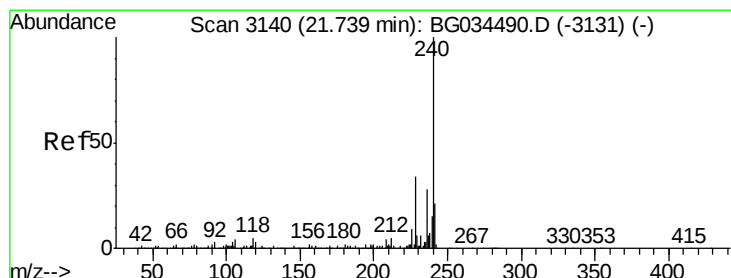
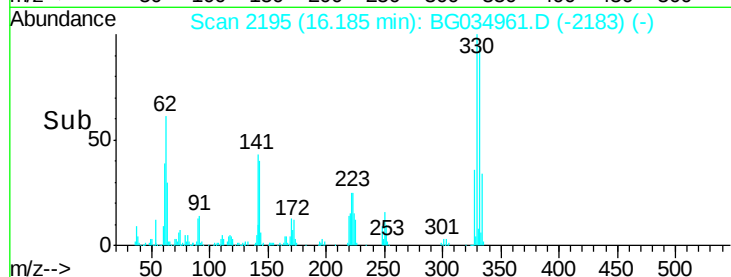
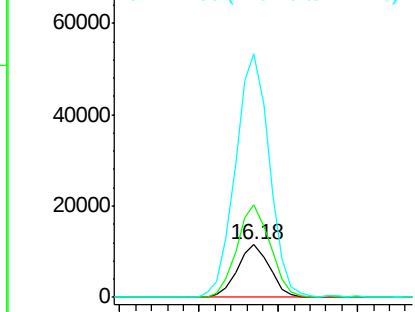
#66
4-Bromophenyl-phenylether
Concen: 4.87 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.46 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Instrument :
BNA_G
ClientSampleId :
SU-02-060518

Tot Ion:248 Resp: 16320
Ion Ratio Lower Upper
248 100
250 176.7 77.1 115.7#
141 464.6 50.8 76.2#

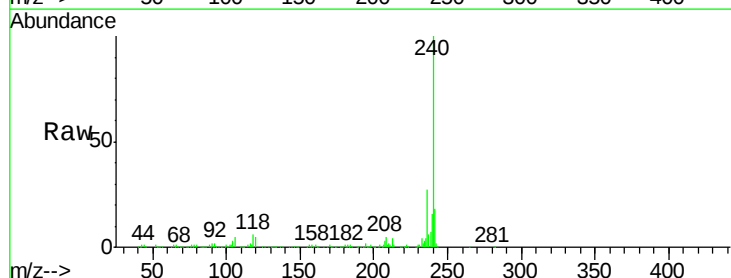


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

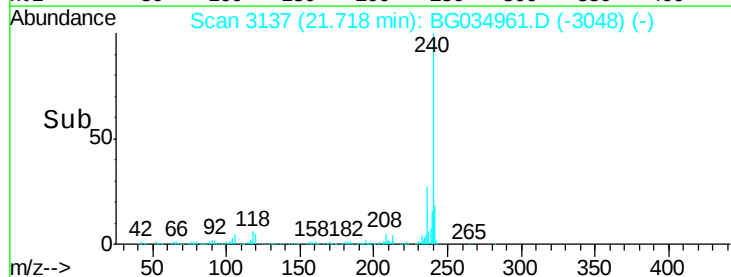
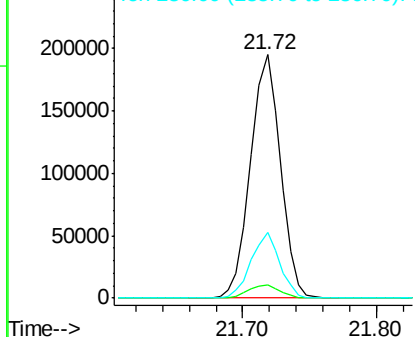


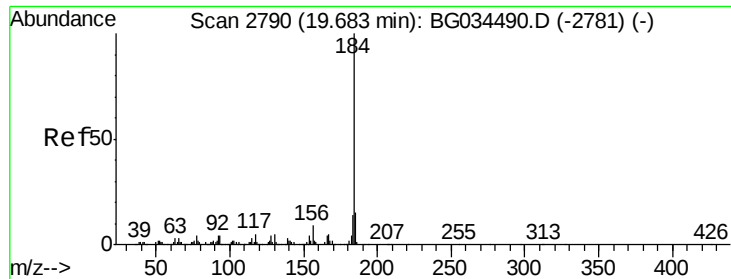
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.72 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BG034961.D
Acq: 7 Jun 2018 20:41

Tgt Ion:240 Resp: 301568
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 26.8 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: 2.16 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.38 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

Instrument :

BNA_G

ClientSampleId :

SU-02-060518

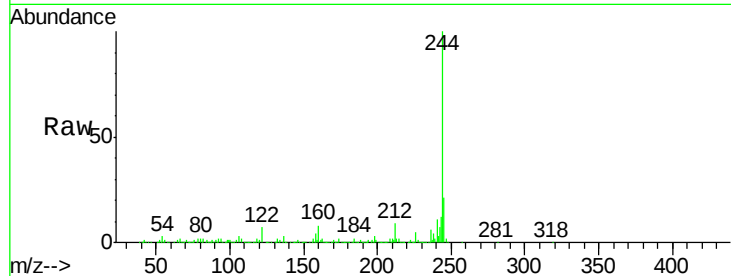
Tot Ion:184 Resp: 24283

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

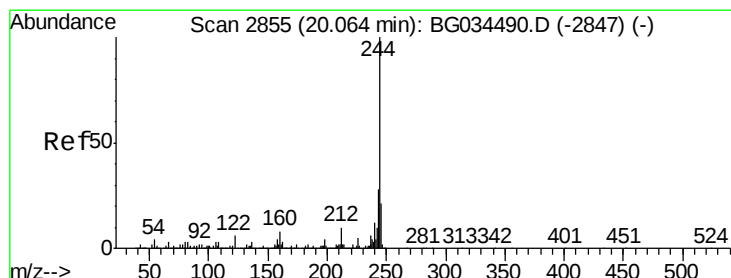
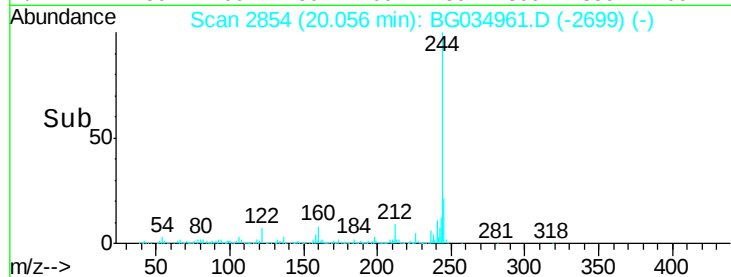
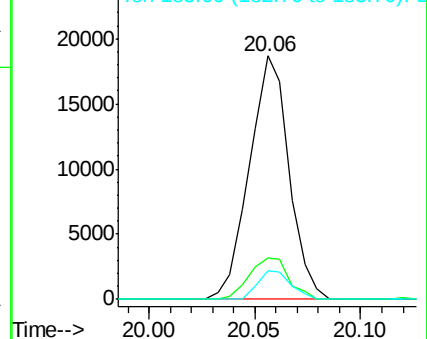
183 11.7 10.6 16.0



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: 88.92 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034961.D

Acq: 7 Jun 2018 20:41

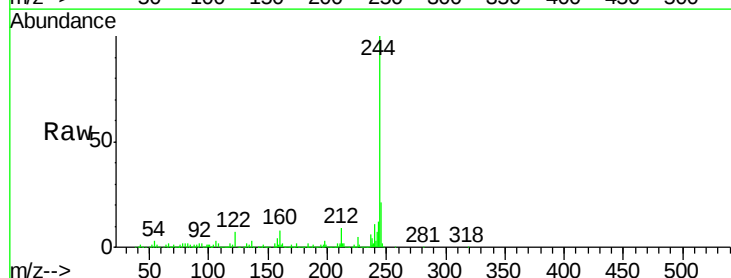
Tgt Ion:244 Resp: 1280231

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

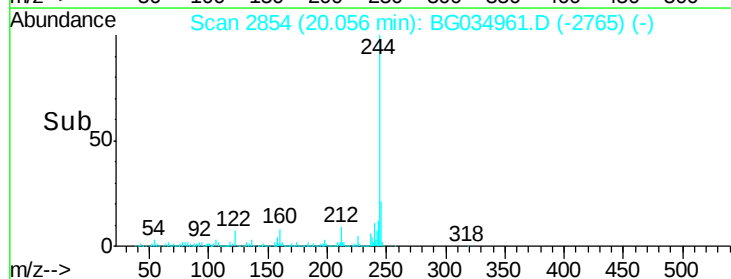
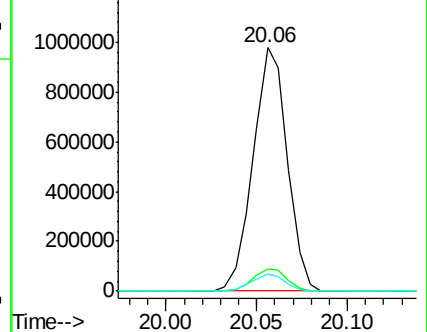
122 7.2 7.0 10.4

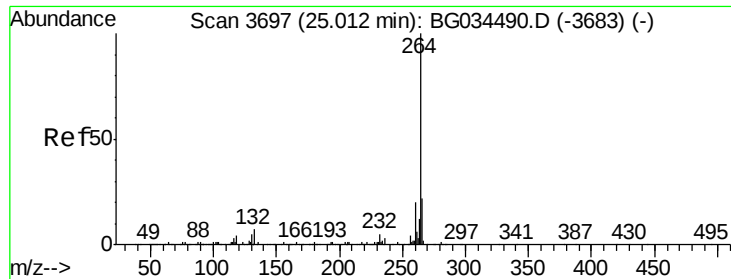


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

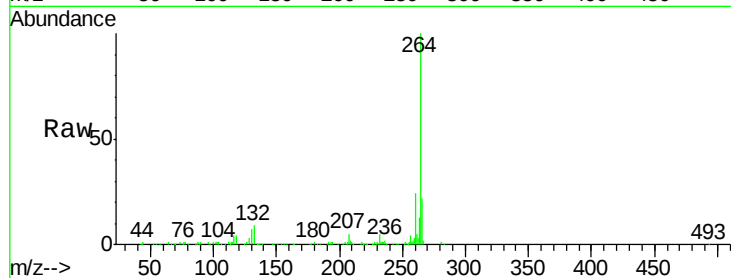




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.96 min Scan# 3689
 Delta R.T. -0.02 min
 Lab File: BG034961.D
 Acq: 7 Jun 2018 20:41

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-060518

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.0	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

