

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034960.D
 Acq On : 7 Jun 2018 20:02
 Operator : SJ/JU
 Sample : J3241-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-060518-C

Quant Time: Jun 08 04:32:59 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

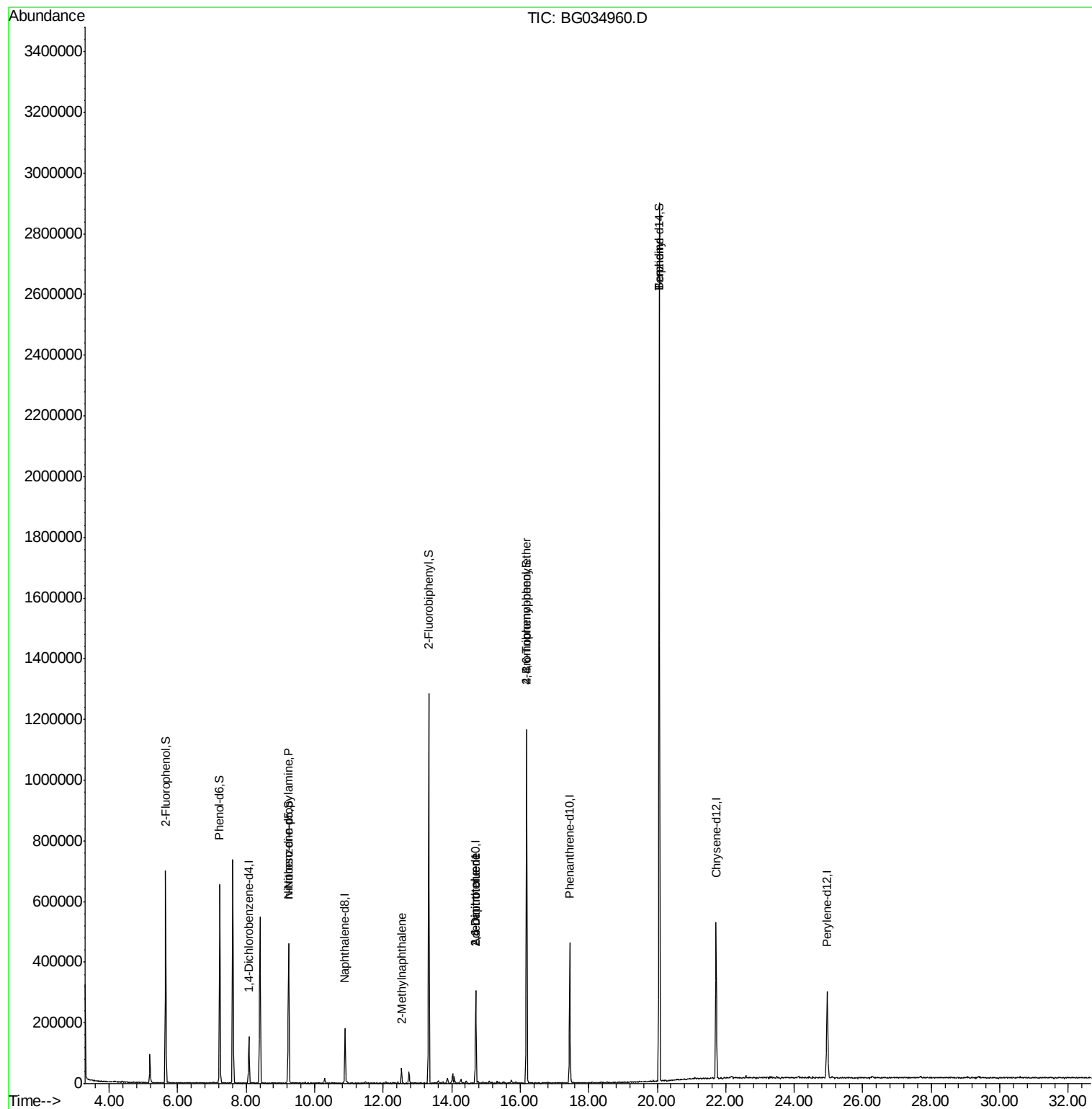
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	39615	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	145397	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	99647	20.00	ng	0.00
63) Phenanthrene-d10	17.45	188	287088	20.00	ng	0.00
75) Chrysene-d12	21.72	240	317666	20.00	ng	0.00
86) Perylene-d12	24.96	264	306861	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	283440	120.75	ng	0.00
7) Phenol-d6	7.23	99	375428	108.36	ng	0.00
23) Nitrobenzene-d5	9.24	82	297993	97.42	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	201709	158.13	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	656264	85.62	ng	0.00
78) Terphenyl-d14	20.06	244	1342921	88.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	42078	14.30	ng	# 68
37) 2-Methylnaphthalene	12.54	142	22693	3.96	ng	95
50) 2,6-Dinitrotoluene	14.70	165	13814	8.71	ng	# 22
56) 2,4-Dinitrotoluene	14.70	165	13814	6.56	ng	# 19
66) 4-Bromophenyl-phenylether	16.19	248	16371	4.74	ng	# 1
76) Benzidine	20.06	184	25541	2.16	ng	95

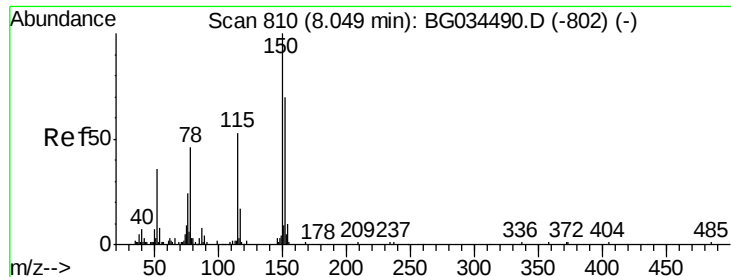
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG034960.D

Acq: 7 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HR-06-060518-C

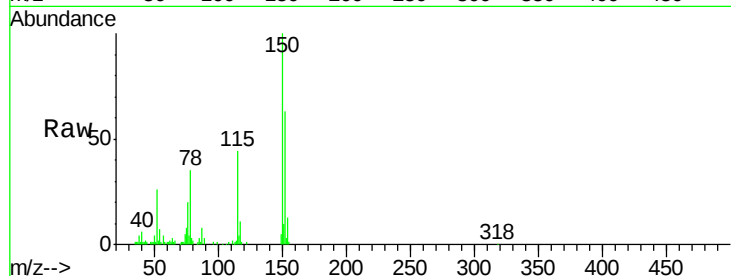
Tot Ion:152 Resp: 39615

Ion Ratio Lower Upper

152 100

150 159.8 126.6 189.8

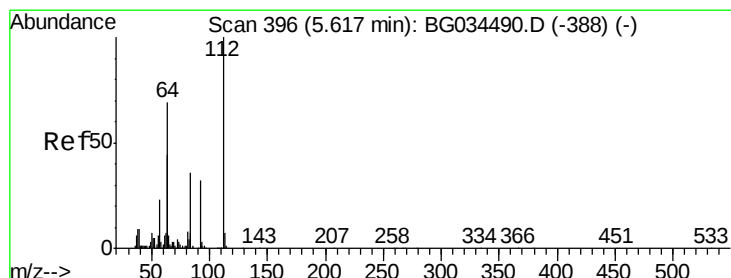
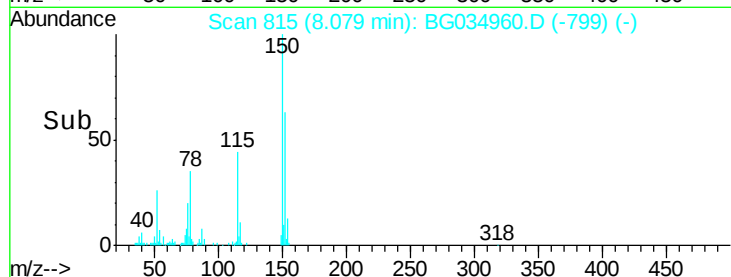
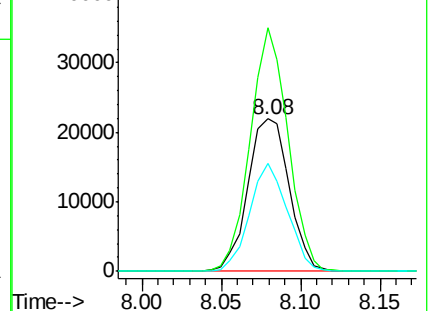
115 70.8 53.0 79.4



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: 120.75 ng

RT: 5.65 min Scan# 402

Delta R.T. 0.00 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

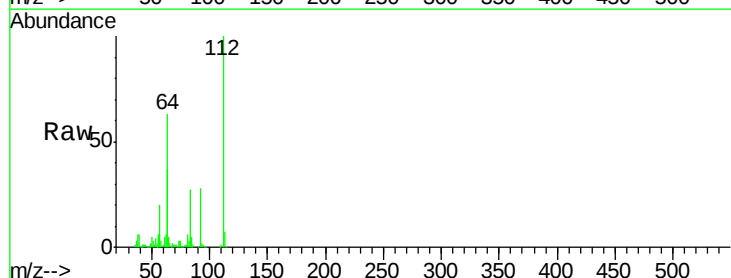
Tgt Ion:112 Resp: 283440

Ion Ratio Lower Upper

112 100

64 63.3 56.3 84.5

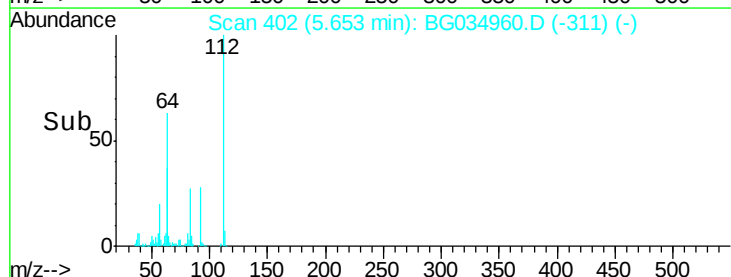
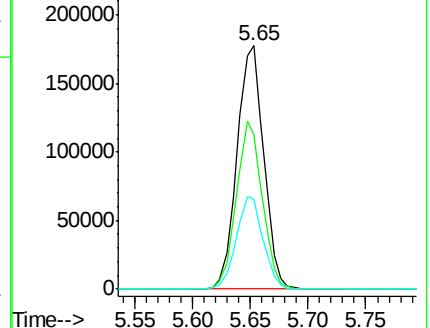
63 36.7 30.1 45.1

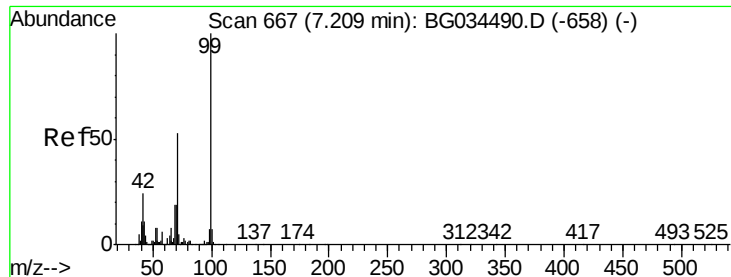


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.36 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HR-06-060518-C

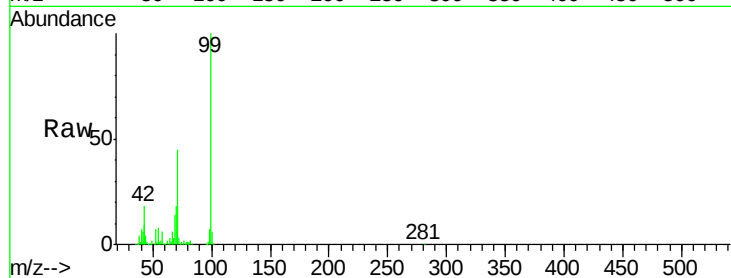
Tot Ion: 99 Resp: 375428

Ion Ratio Lower Upper

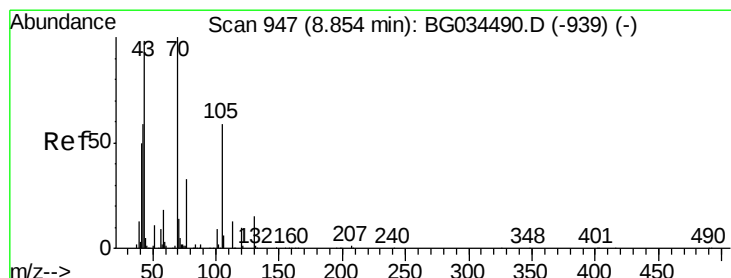
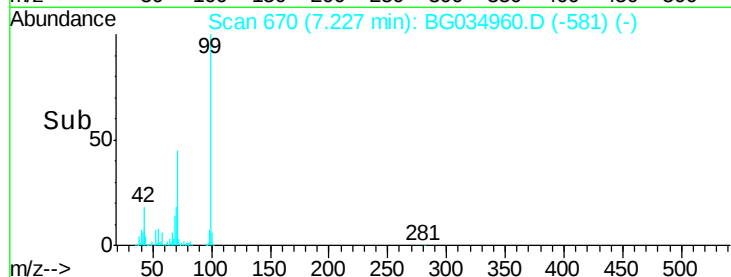
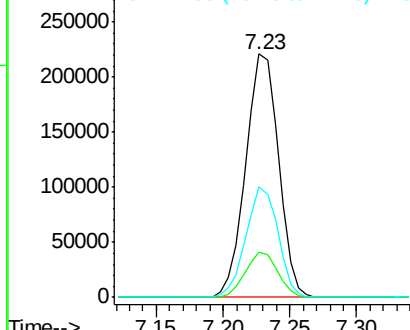
99 100

42 18.5 14.1 21.1

71 45.1 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: 14.30 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

Tgt Ion: 70 Resp: 42078

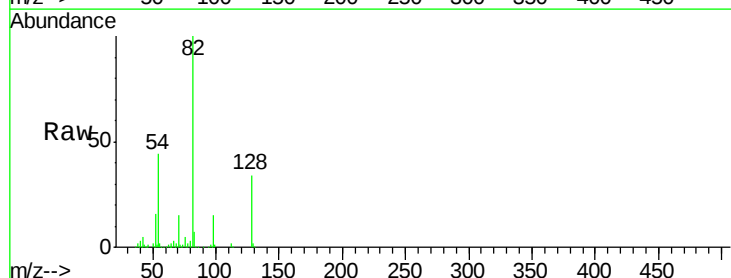
Ion Ratio Lower Upper

70 100

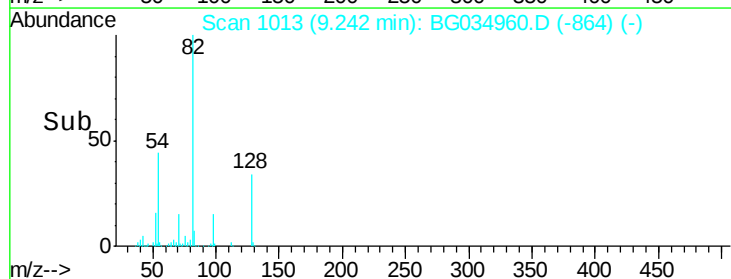
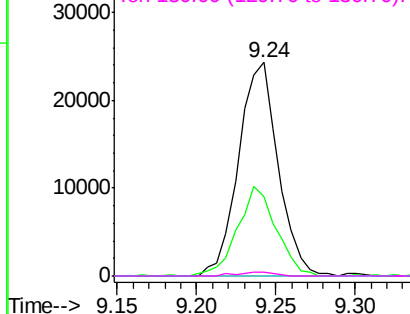
42 36.9 49.1 73.7#

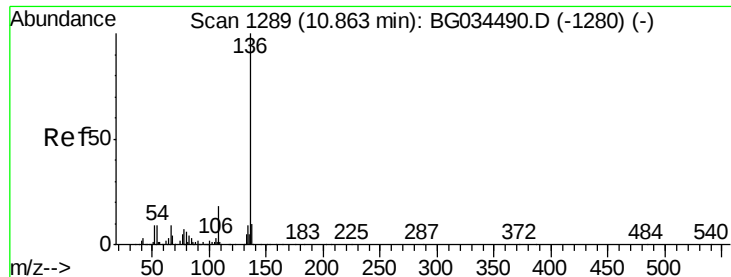
101 0.0 8.5 12.7#

130 1.8 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

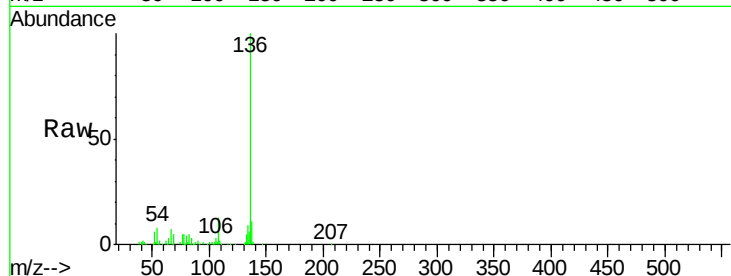




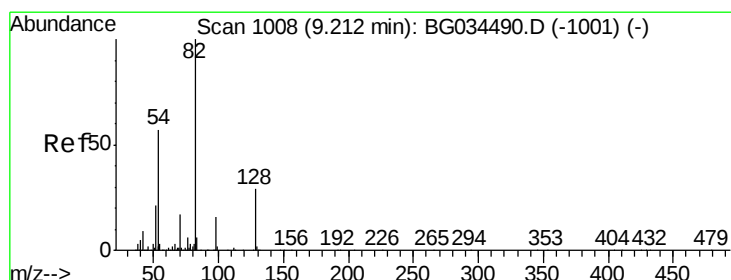
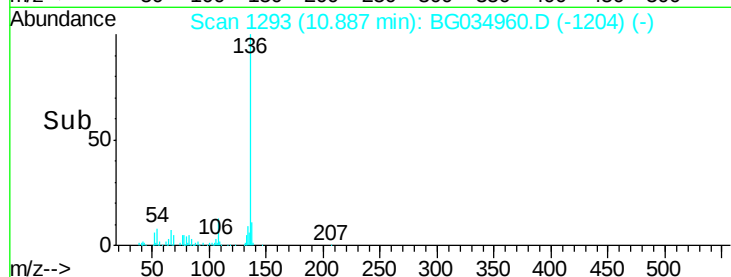
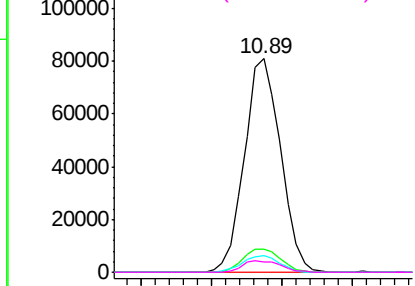
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034960.D
Acq: 7 Jun 2018 20:02

Instrument :
BNA_G
ClientSampleId :
HR-06-060518-C

Tot Ion:136	Resp:	145397
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.2	13.8
54 7.6	10.3	15.5#
68 4.8	4.5	6.7

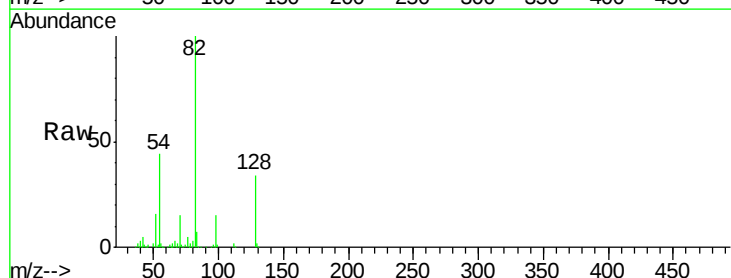


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

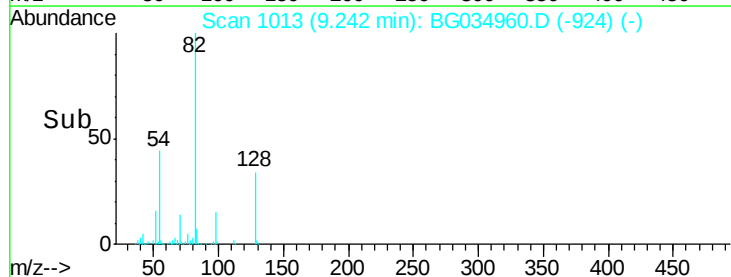
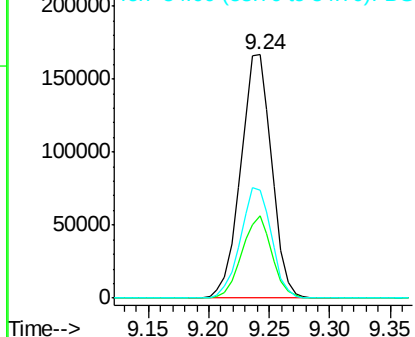


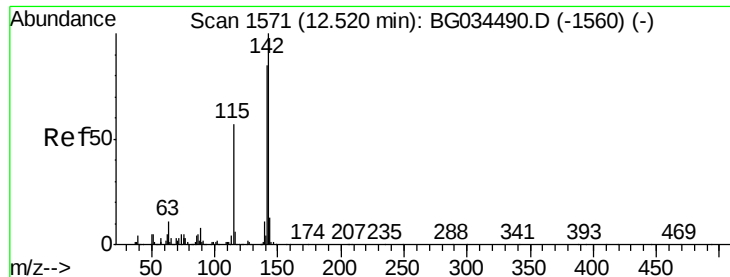
#23
Nitrobenzene-d5
Concen: 97.42 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034960.D
Acq: 7 Jun 2018 20:02

Tgt Ion: 82	Resp: 297993
Ion Ratio	Lower Upper
82 100	
128 33.8	29.7 44.5
54 44.2	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

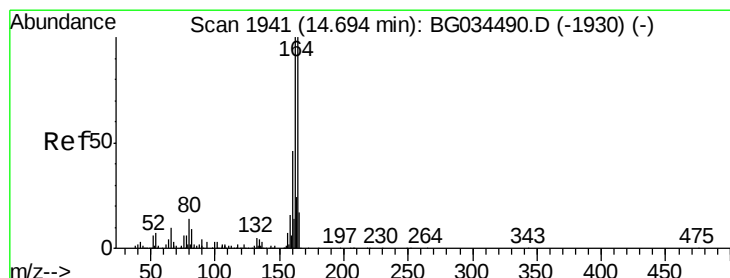
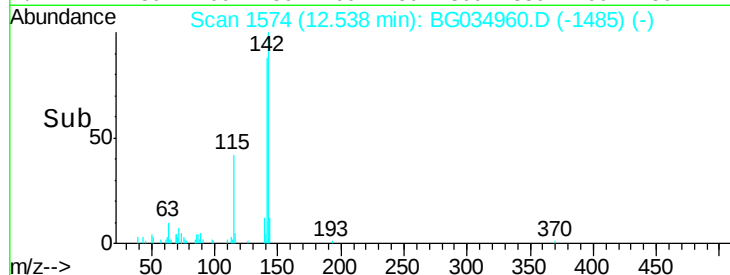
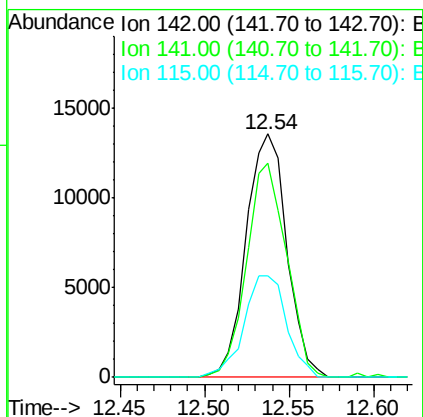
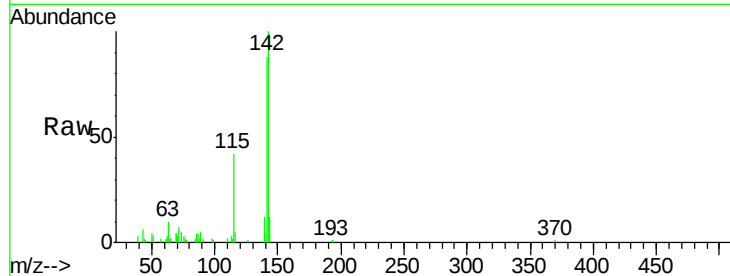




#37
 2-Methylnaphthalene
 Concen: 3.96 ng
 RT: 12.54 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BG034960.D
 Acq: 7 Jun 2018 20:02

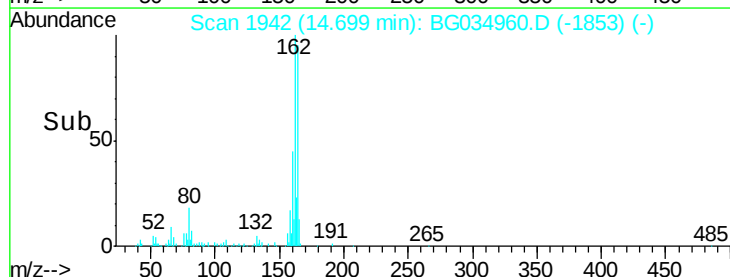
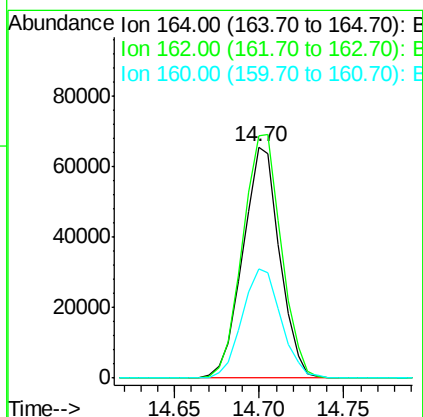
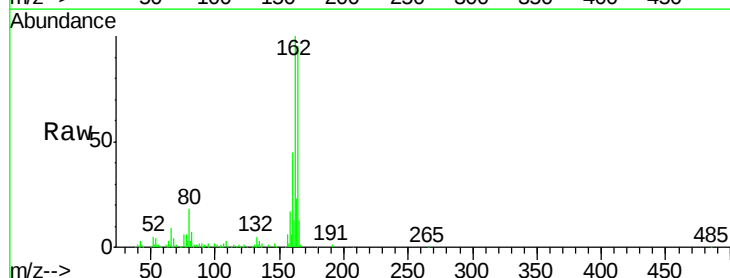
Instrument :
 BNA_G
 ClientSampleId :
 HR-06-060518-C

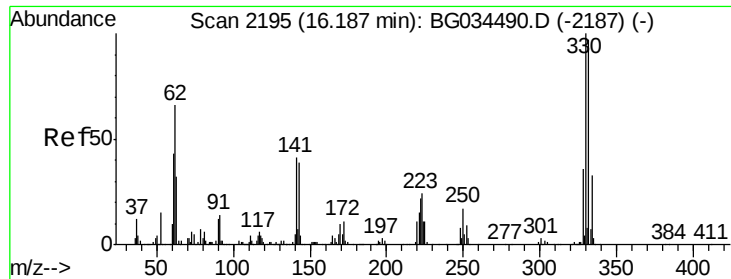
Tot Ion:142 Resp: 22693
 Ion Ratio Lower Upper
 142 100
 141 88.0 67.1 100.7
 115 41.8 30.7 46.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: BG034960.D
 Acq: 7 Jun 2018 20:02

Tgt Ion:164 Resp: 99647
 Ion Ratio Lower Upper
 164 100
 162 104.9 78.8 118.2
 160 47.1 35.4 53.0

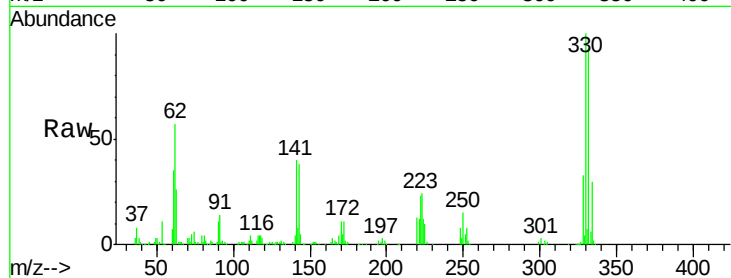




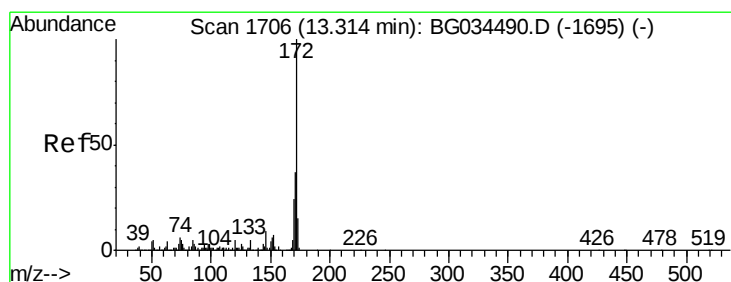
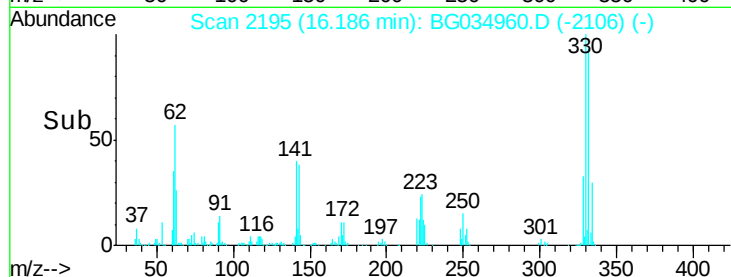
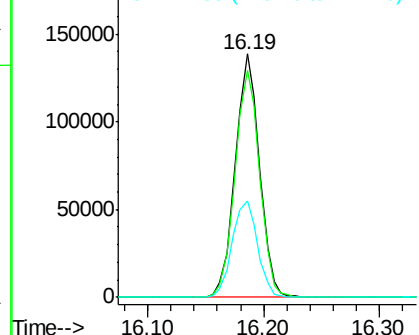
#41
2,4,6-Tribromophenol
Concen: 158.13 ng
RT: 16.19 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BG034960.D
Acq: 7 Jun 2018 20:02

Instrument :
BNA_G
ClientSampleId :
HR-06-060518-C

Tot Ion:330 Resp: 201709
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.6
141 41.4 25.2 37.8#

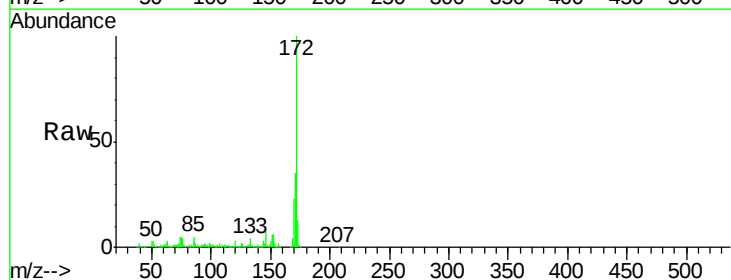


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

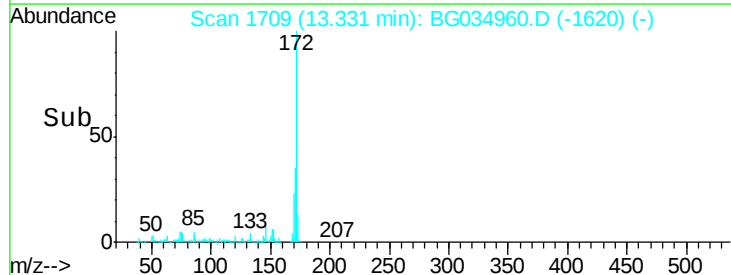
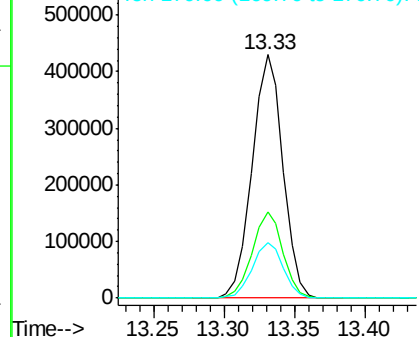


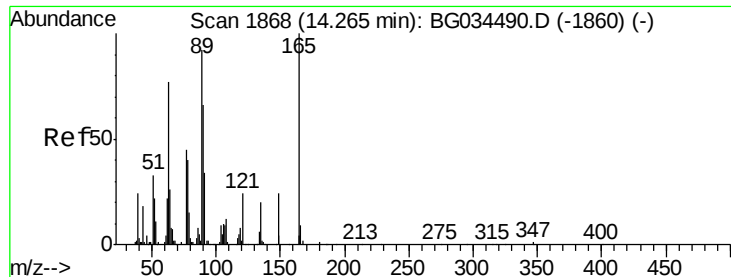
#44
2-Fluorobiphenyl
Concen: 85.62 ng
RT: 13.33 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG034960.D
Acq: 7 Jun 2018 20:02

Tgt Ion:172 Resp: 656264
Ion Ratio Lower Upper
172 100
171 35.1 30.0 45.0
170 23.0 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

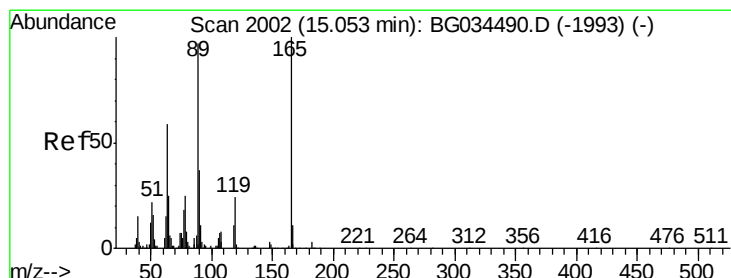
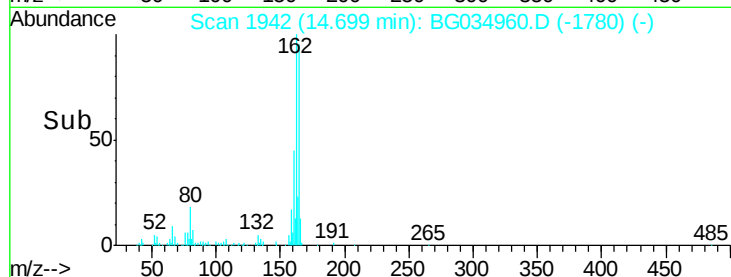
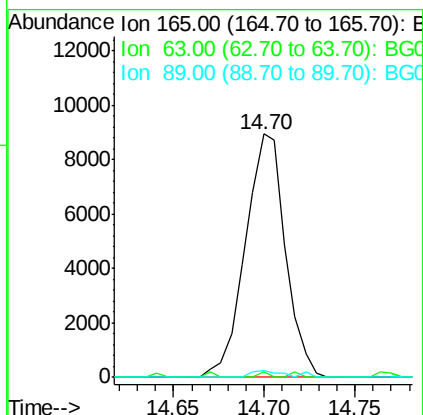
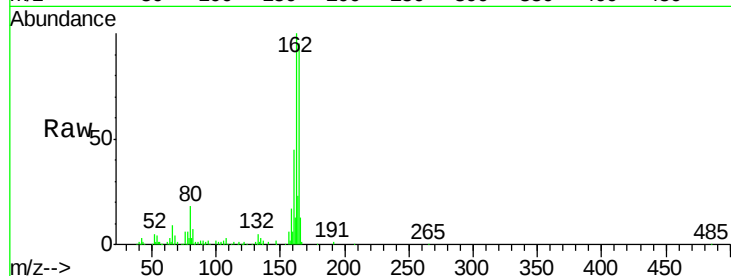




#50
 2,6-Dinitrotoluene
 Concen: 8.71 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.42 min
 Lab File: BG034960.D
 Acq: 7 Jun 2018 20:02

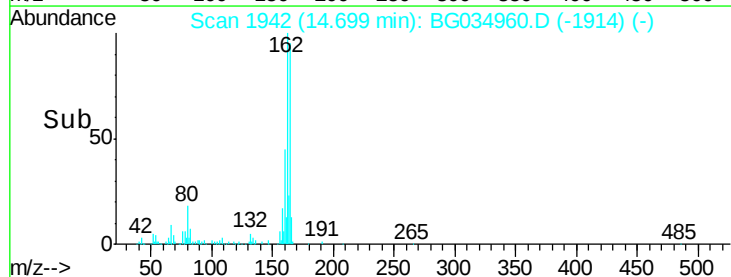
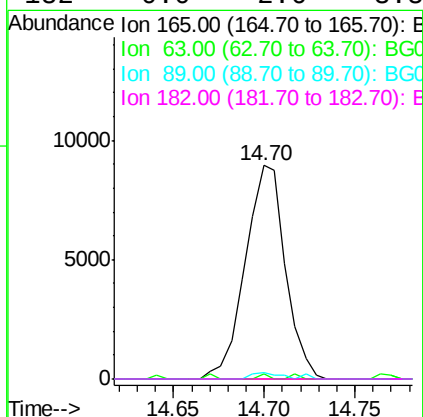
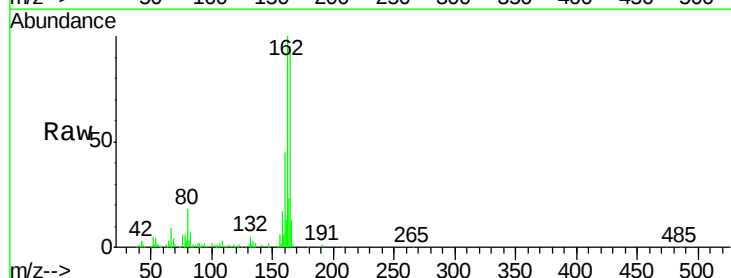
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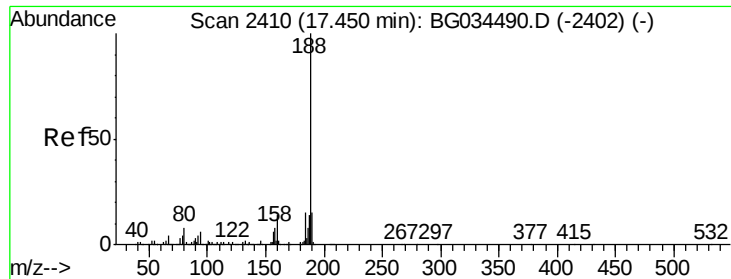
Tot Ion:165 Resp: 13814
 Ion Ratio Lower Upper
 165 100
 63 2.2 52.7 79.1#
 89 2.9 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.56 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.37 min
 Lab File: BG034960.D
 Acq: 7 Jun 2018 20:02

Tgt Ion:165 Resp: 13814
 Ion Ratio Lower Upper
 165 100
 63 2.2 42.0 63.0#
 89 2.9 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.45 min Scan# 2410

Delta R.T. -0.00 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HR-06-060518-C

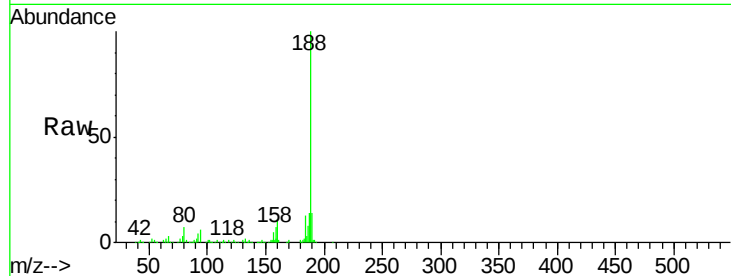
Tot Ion:188 Resp: 287088

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

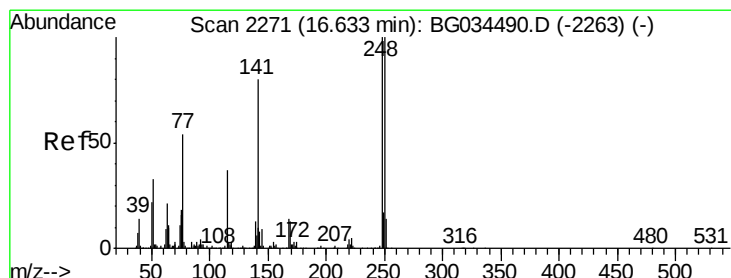
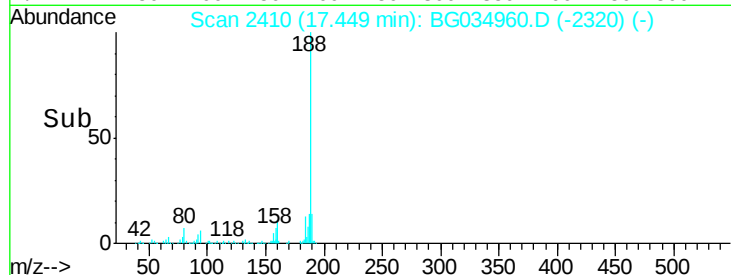
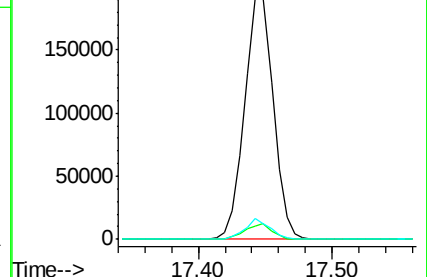
80 6.6 7.7 11.5#



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: 4.74 ng

RT: 16.19 min Scan# 2195

Delta R.T. -0.46 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

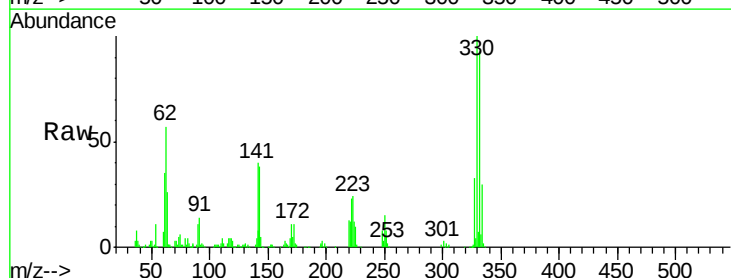
Tgt Ion:248 Resp: 16371

Ion Ratio Lower Upper

248 100

250 181.3 77.1 115.7#

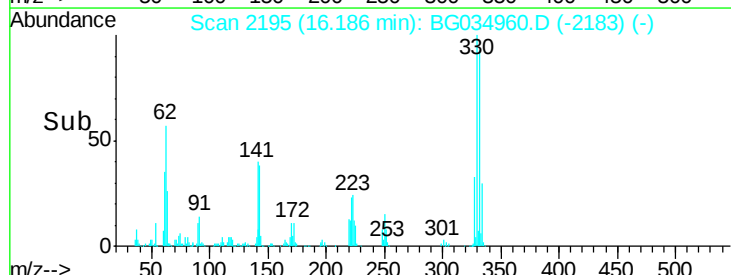
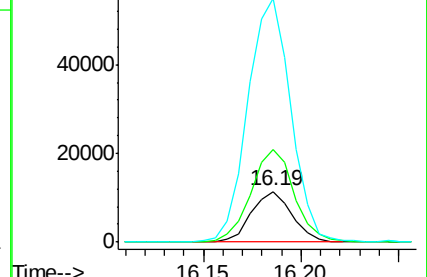
141 478.2 50.8 76.2#

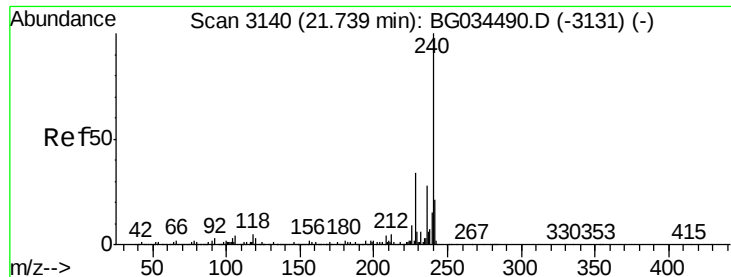


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG034960.D

Acq: 7 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HR-06-060518-C

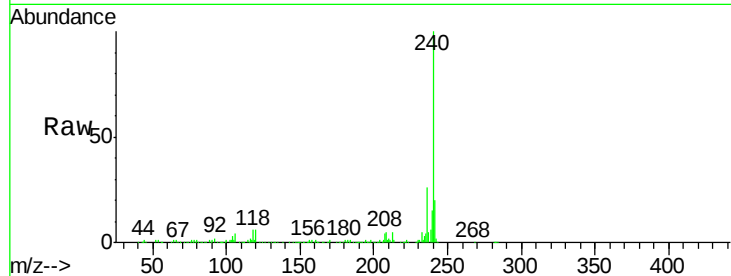
Tot Ion:240 Resp: 317666

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

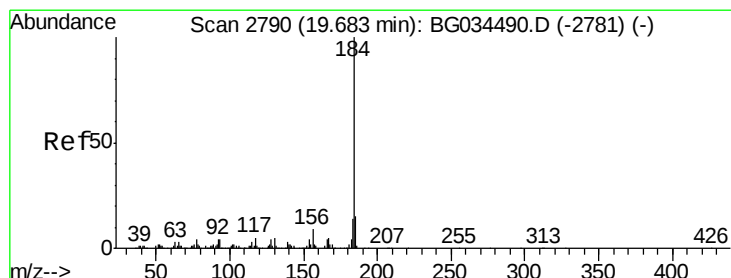
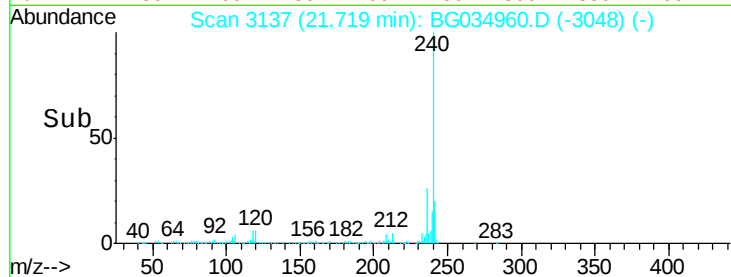
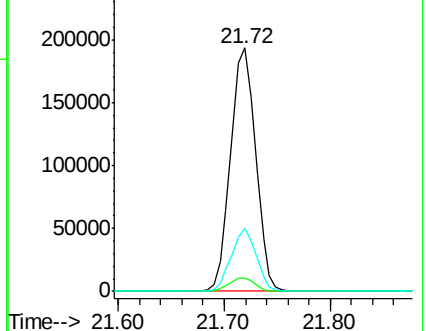
236 25.9 20.9 31.3



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: BG034960.D

Acq: 7 Jun 2018 20:02

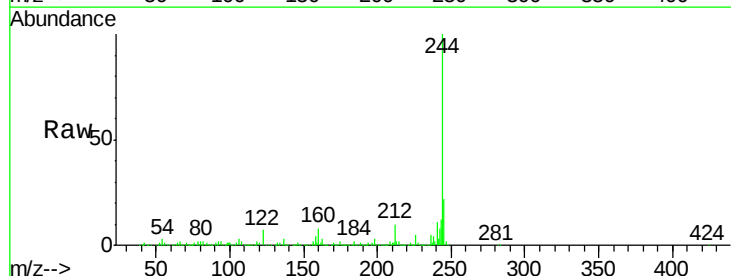
Tgt Ion:184 Resp: 25541

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

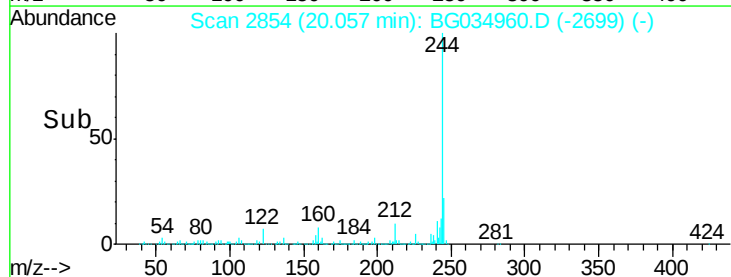
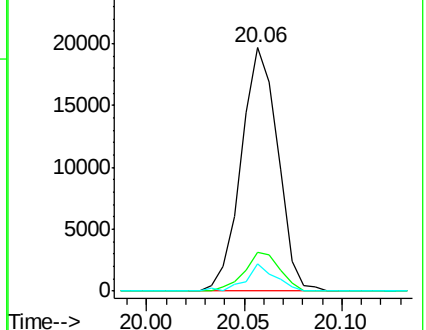
183 11.0 10.6 16.0

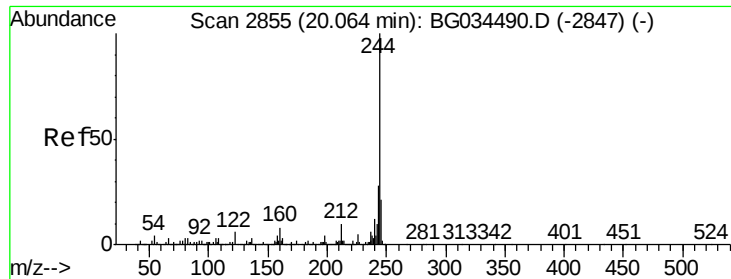


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.55 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HR-06-060518-C

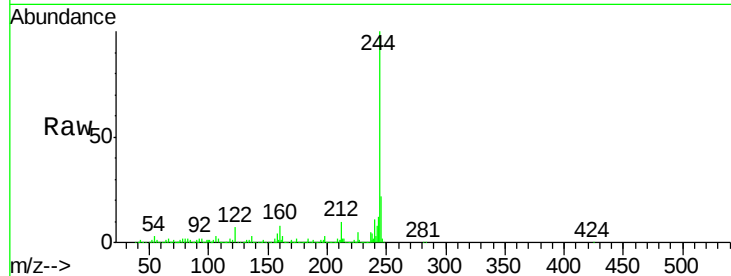
Tot Ion:244 Resp: 1342921

Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

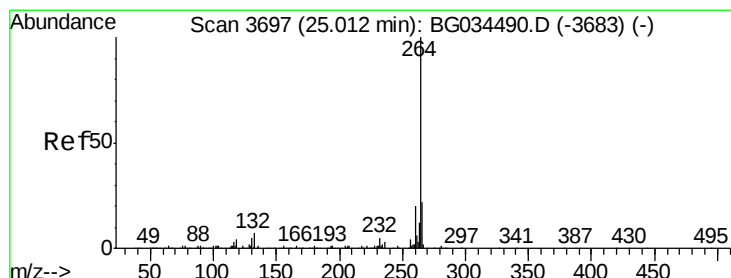
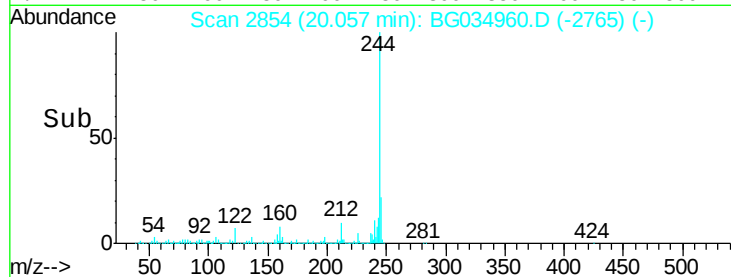
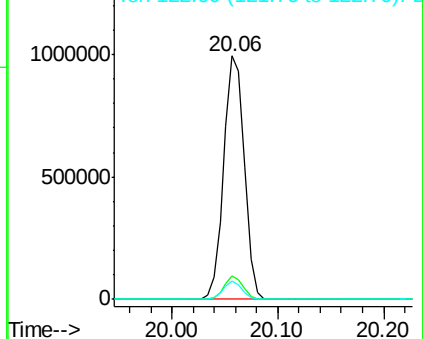
122 7.4 7.0 10.4



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: 20.00 ng

RT: 24.96 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BG034960.D

Acq: 7 Jun 2018 20:02

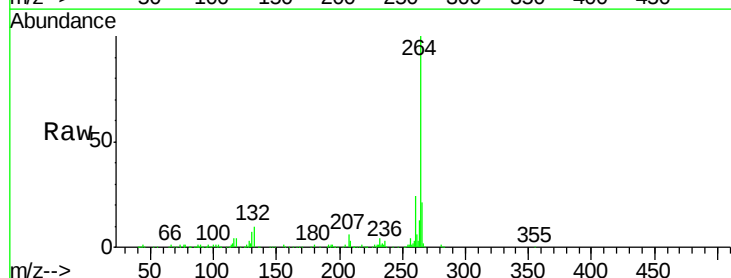
Tgt Ion:264 Resp: 306861

Ion Ratio Lower Upper

264 100

260 23.5 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

