

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033334.D
 Acq On : 26 Mar 2018 18:02
 Operator : SJ/JU
 Sample : J1867-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C19013071

Quant Time: Mar 27 07:46:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

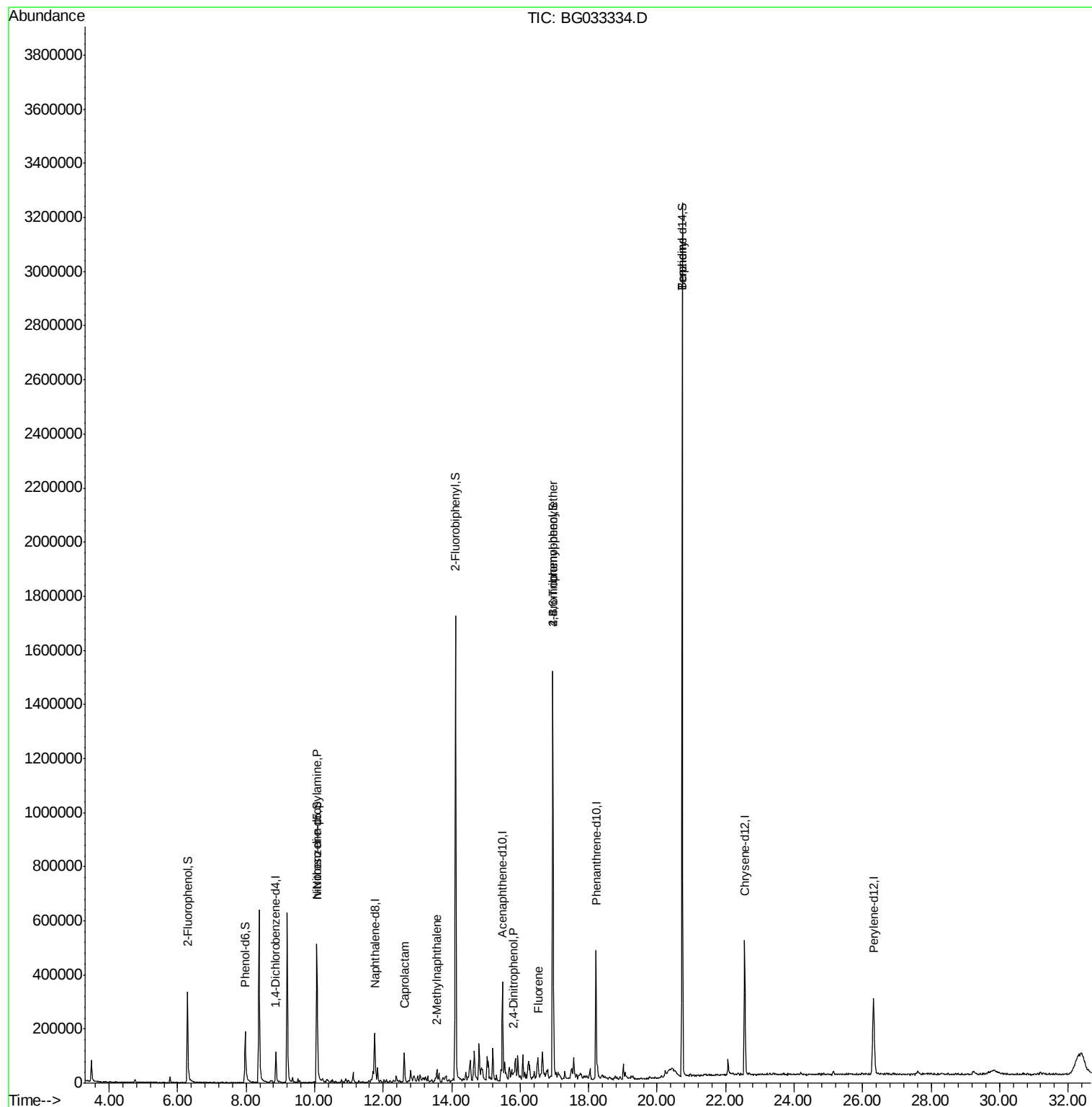
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	41599	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	172242	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	137449	20.00	ng	-0.03
63) Phenanthrene-d10	18.22	188	343155	20.00	ng	-0.02
75) Chrysene-d12	22.56	240	362782	20.00	ng	-0.04
86) Perylene-d12	26.32	264	391059	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	172299	77.67	ng	-0.02
7) Phenol-d6	7.97	99	151878	39.84	ng	-0.02
23) Nitrobenzene-d5	10.07	82	374792	99.97	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	328298	159.70	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	972047	102.09	ng	-0.02
78) Terphenyl-d14	20.73	244	1650822	97.32	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	51752	18.528	ng	# 78
35) Caprolactam	12.61	113	14405	13.548	ng	95
37) 2-Methylnaphthalene	13.57	142	20740	2.994	ng	91
53) 2,4-Dinitrophenol	15.80	184	68	7.691	ng	# 9
57) Fluorene	16.52	166	34050	3.088	ng	# 93
66) 4-Bromophenyl-phenylether	16.96	248	25586	6.349	ng	# 1
76) Benzidine	20.74	184	25754	2.618	ng	# 87

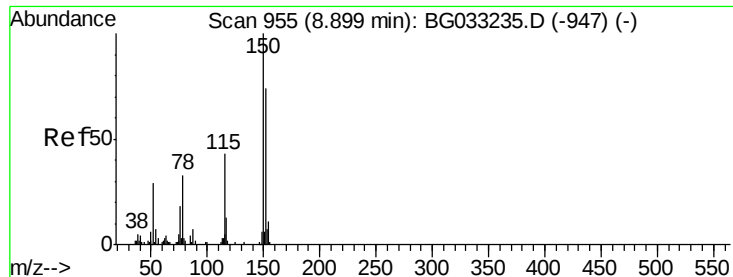
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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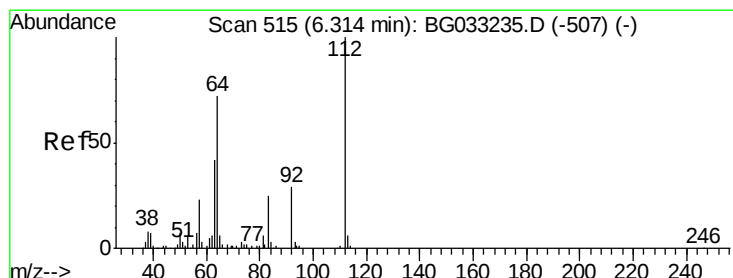
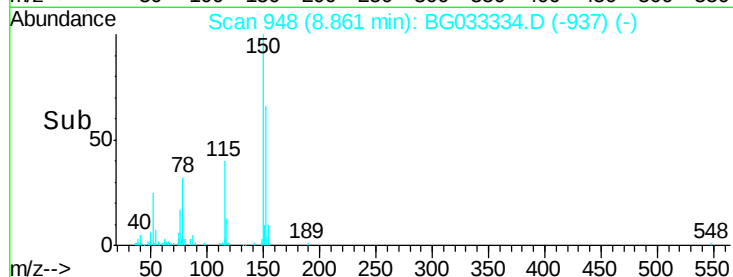
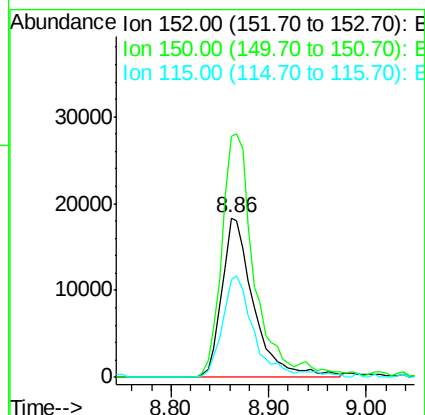
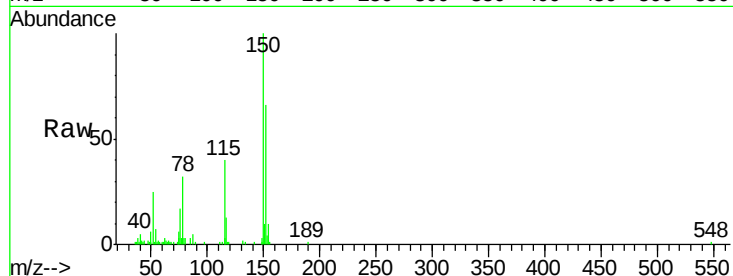


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.03 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Instrument :
BNA_G
ClientSampleId :
C19013071

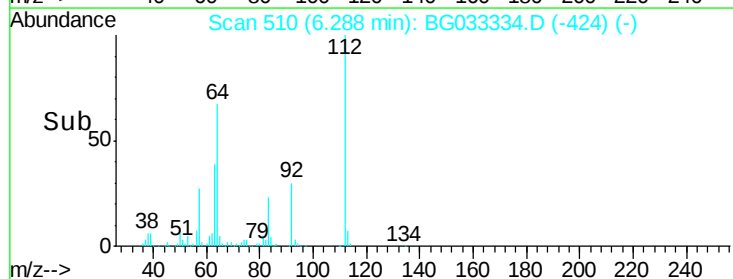
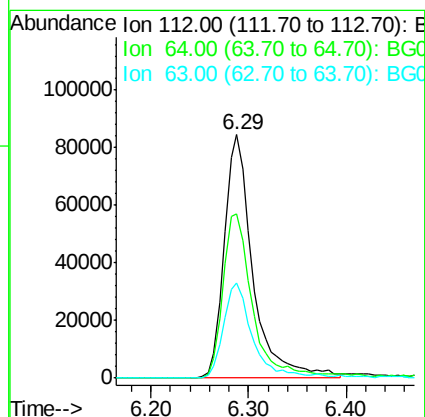
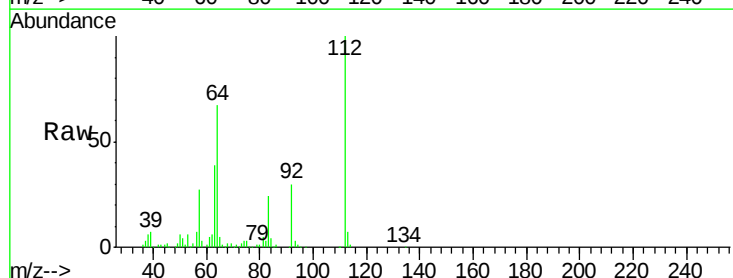
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.6	189.8
115	61.2	53.0	79.4

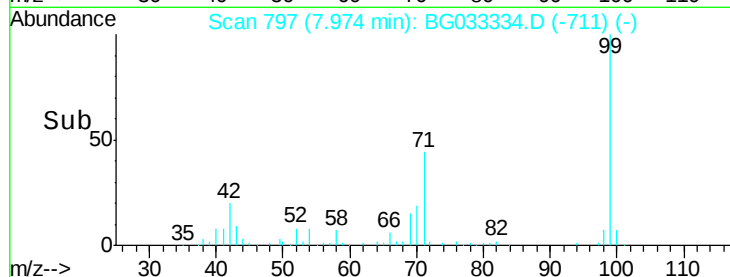
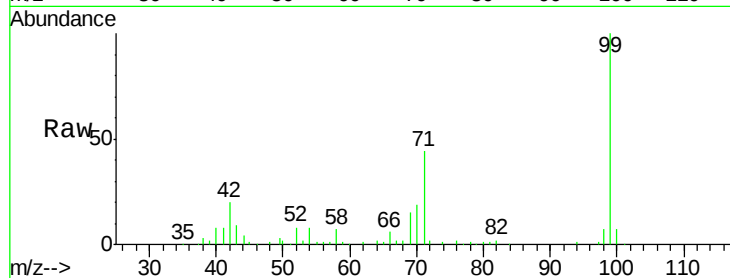
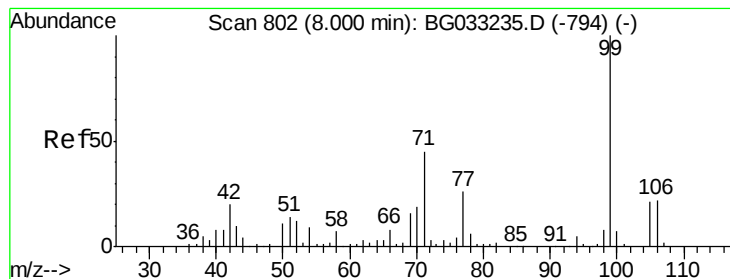


#5

2-Fluorophenol
Concen: 77.666 ng
RT: 6.29 min Scan# 510
Delta R.T. -0.02 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	56.3	84.5
63	39.1	30.1	45.1





#7

Phenol-d6

Concen: 39.844 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.02 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

C19013071

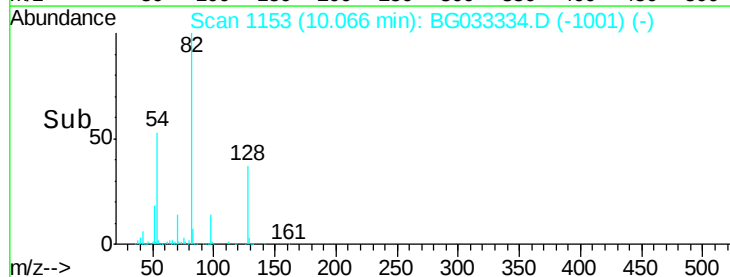
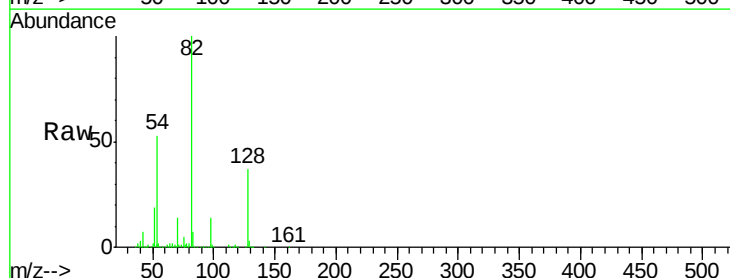
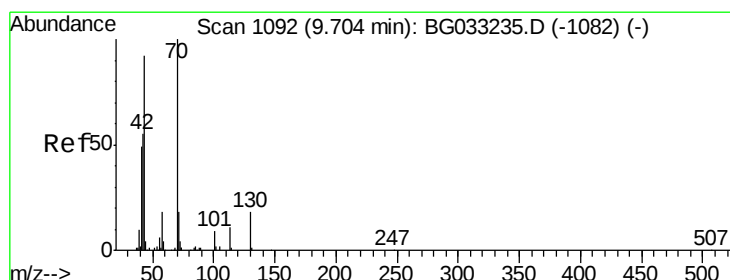
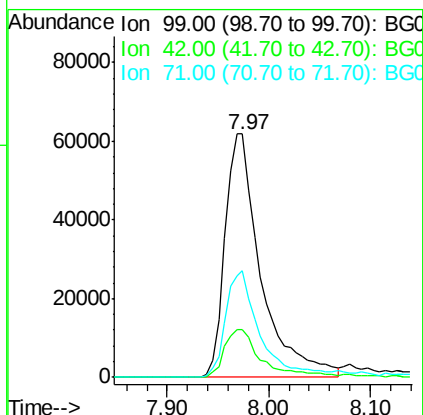
Tot Ion: 99 Resp: 151878

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

71 43.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.528 ng

RT: 10.07 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Tgt Ion: 70 Resp: 51752

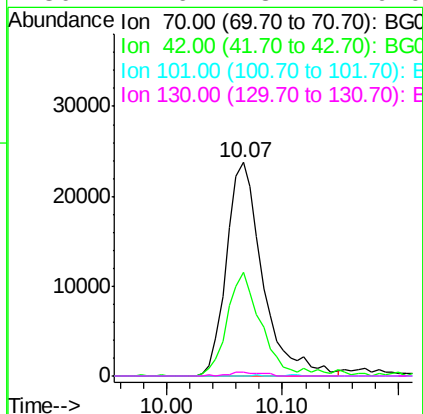
Ion Ratio Lower Upper

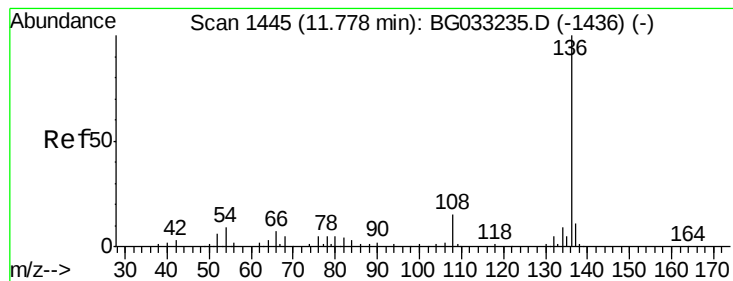
70 100

42 48.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1439

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

C19013071

Tot Ion:136 Resp: 172242

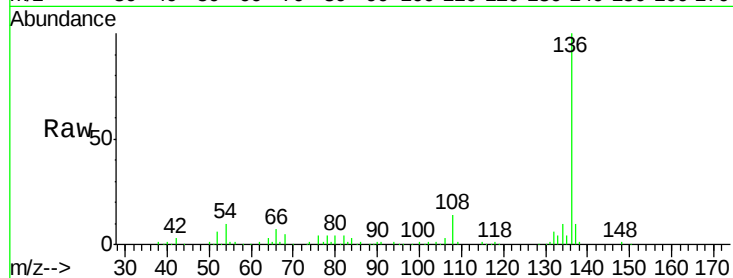
Ion Ratio Lower Upper

136 100

137 9.6 9.2 13.8

54 9.7 10.3 15.5#

68 5.0 4.5 6.7

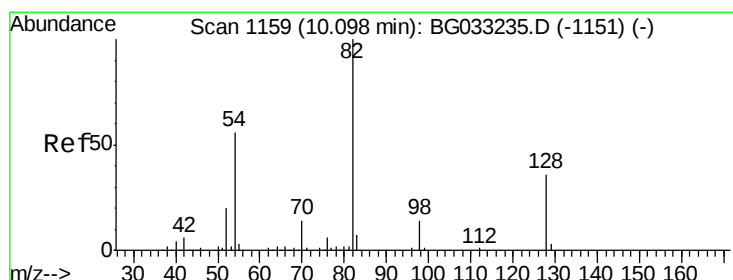
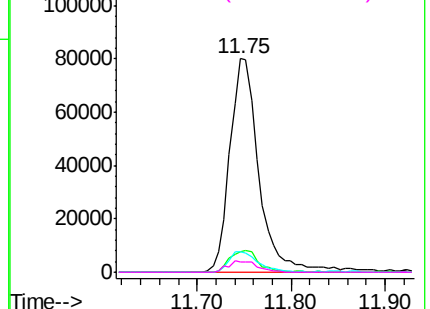
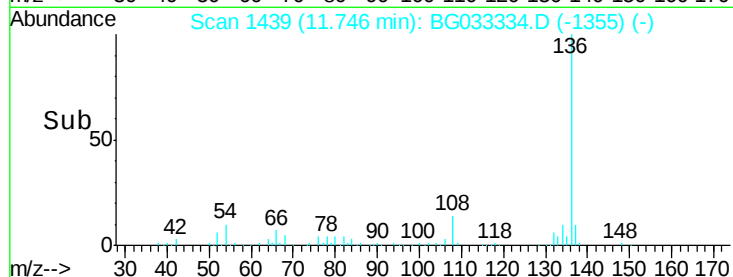


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.973 ng

RT: 10.07 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

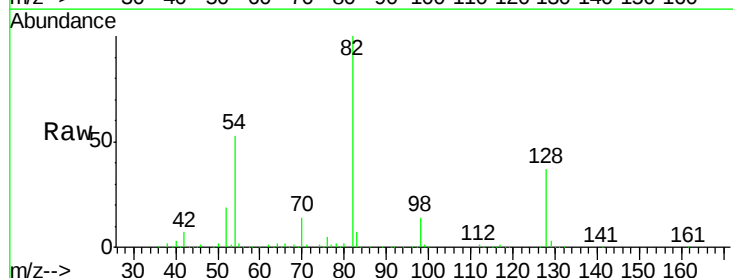
Tgt Ion: 82 Resp: 374792

Ion Ratio Lower Upper

82 100

128 37.4 29.7 44.5

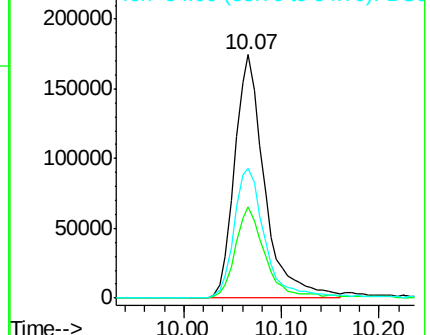
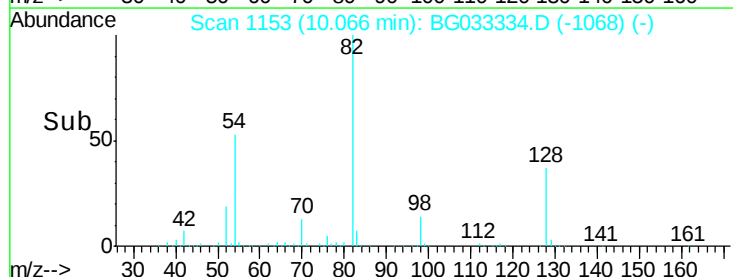
54 53.0 43.1 64.7

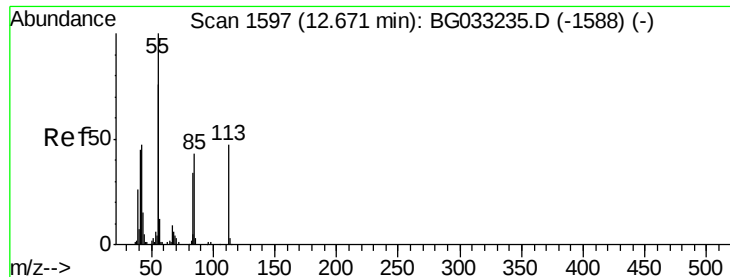


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#35

Caprolactam

Concen: 13.548 ng

RT: 12.61 min Scan# 1586

Delta R.T. -0.06 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

C19013071

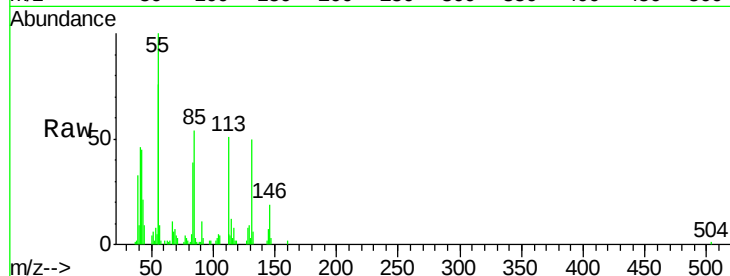
Tot Ion:113 Resp: 14405

Ion Ratio Lower Upper

113 100

55 194.9 186.9 226.9

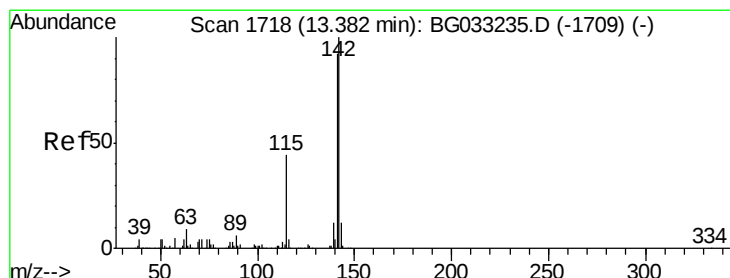
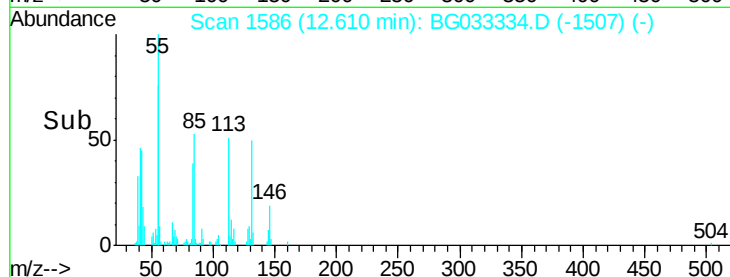
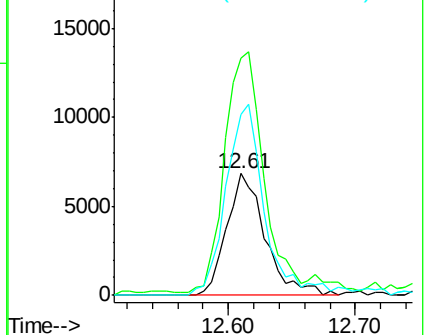
56 148.7 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#37

2-Methylnaphthalene

Concen: 2.994 ng

RT: 13.57 min Scan# 1749

Delta R.T. 0.19 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

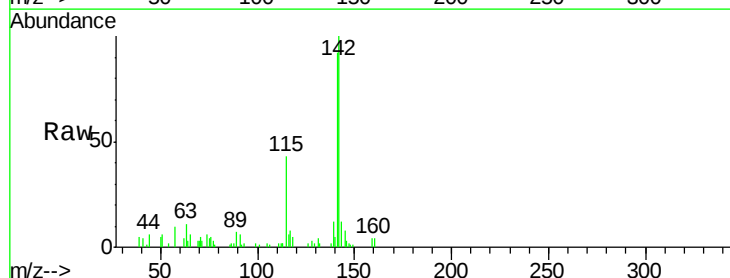
Tgt Ion:142 Resp: 20740

Ion Ratio Lower Upper

142 100

141 92.4 67.1 100.7

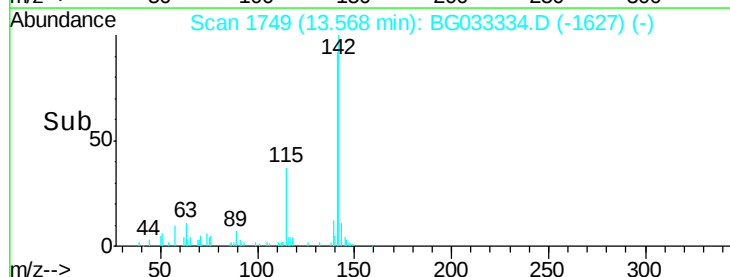
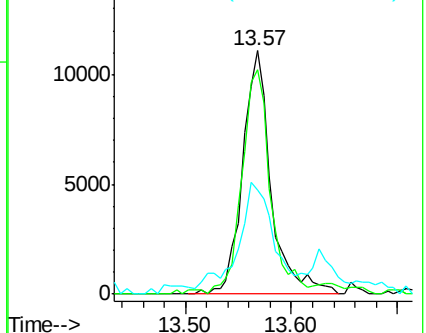
115 42.6 30.7 46.1

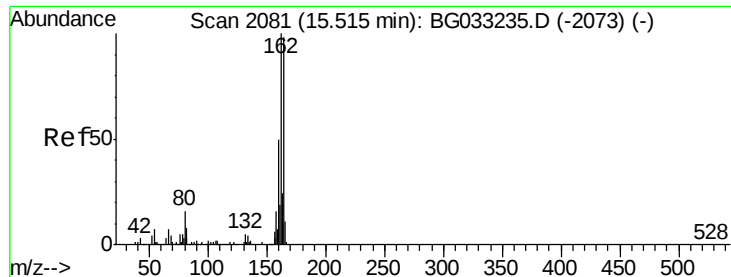


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

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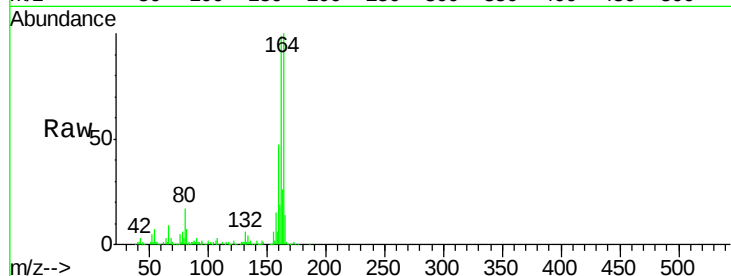
Tot Ion:164 Resp: 137449

Ion Ratio Lower Upper

164 100

162 98.6 78.8 118.2

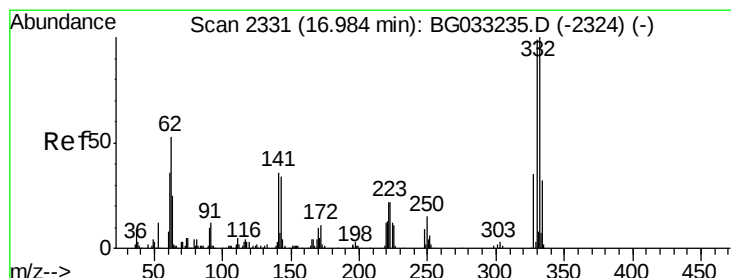
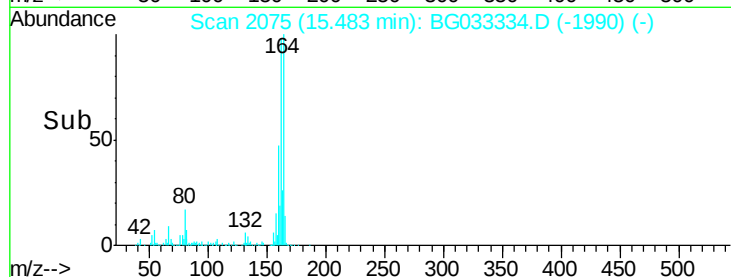
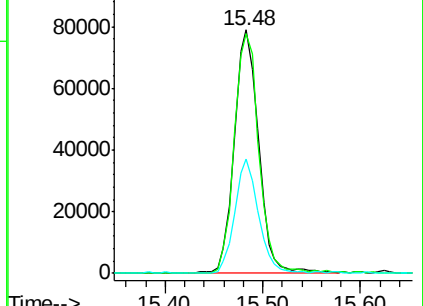
160 46.9 35.4 53.0



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: 159.701 ng

RT: 16.96 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

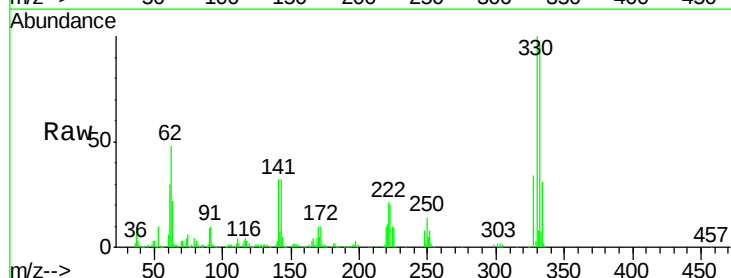
Tgt Ion:330 Resp: 328298

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

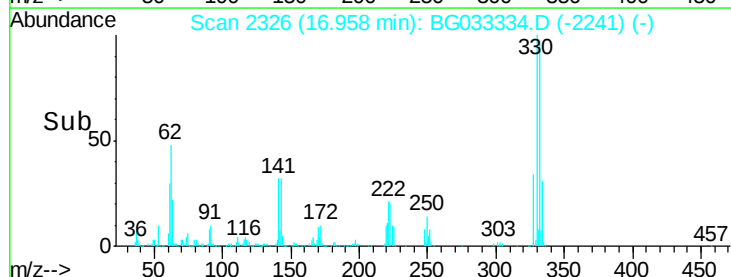
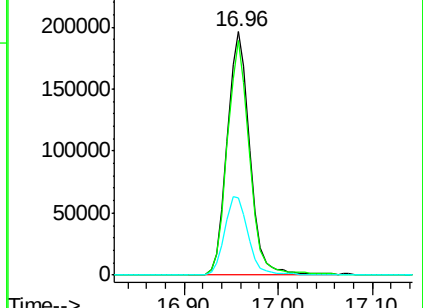
141 33.2 25.2 37.8

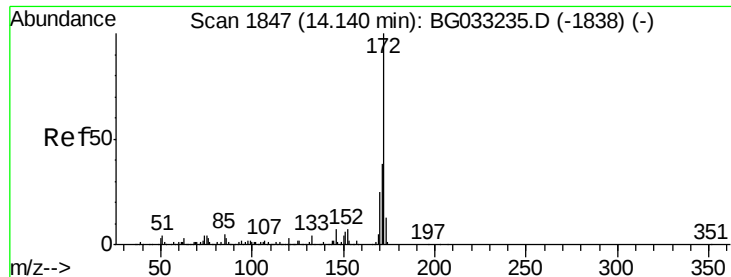


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

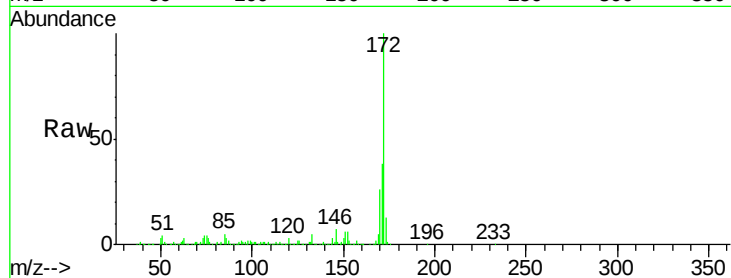




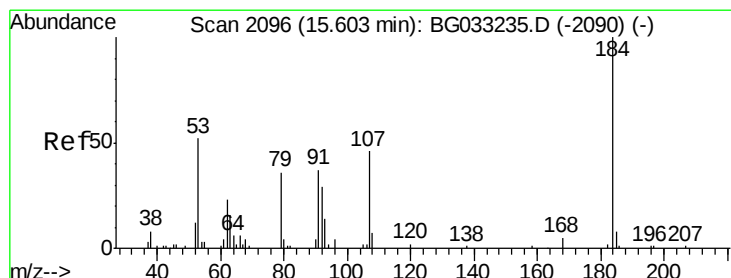
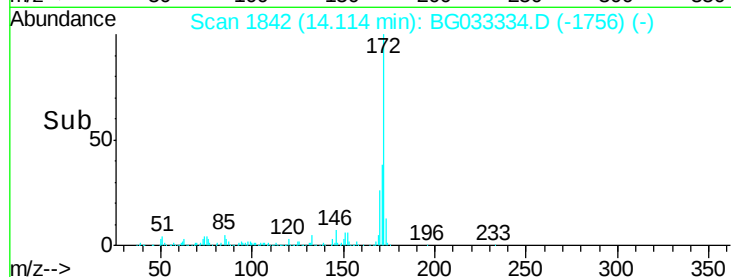
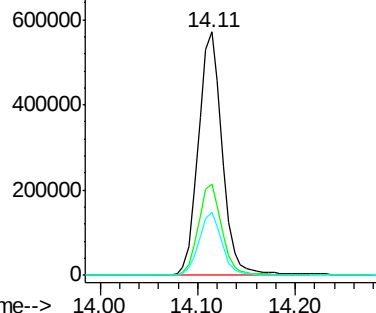
#44
2-Fluorobiphenyl
Concen: 102.095 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Instrument :
BNA_G
ClientSampleId :
C19013071

Tot Ion:172 Resp: 972047
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 25.8 19.5 29.3

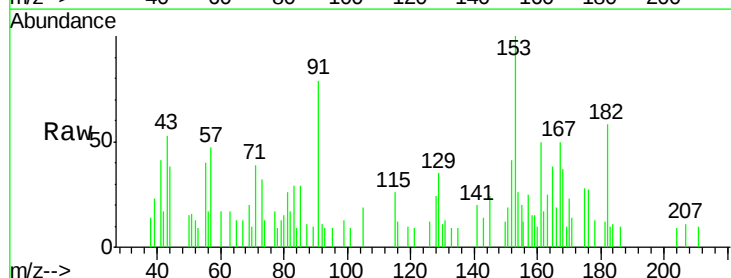


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

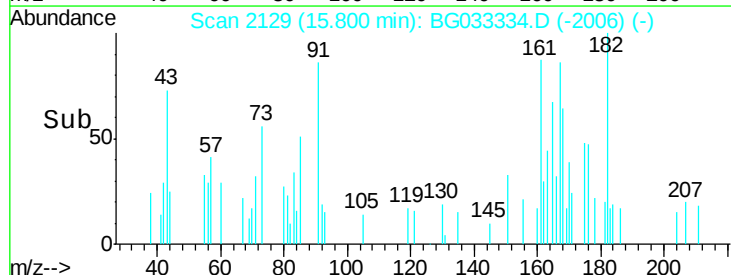
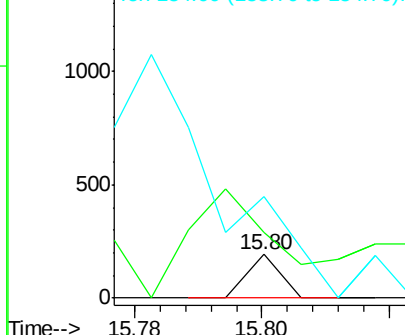


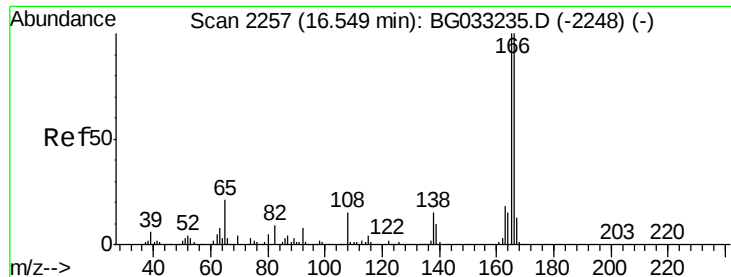
#53
2,4-Dinitrophenol
Concen: 7.691 ng
RT: 15.80 min Scan# 2129
Delta R.T. 0.19 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 152.6 59.8 89.8#
154 232.3 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E





#57

Fluorene

Concen: 3.088 ng

RT: 16.52 min Scan# 2251

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

C19013071

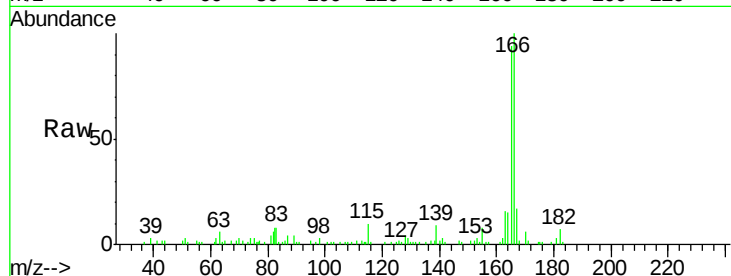
Tot Ion:166 Resp: 34050

Ion Ratio Lower Upper

166 100

165 93.5 80.6 121.0

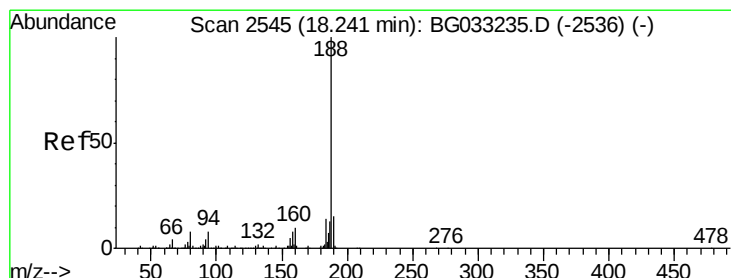
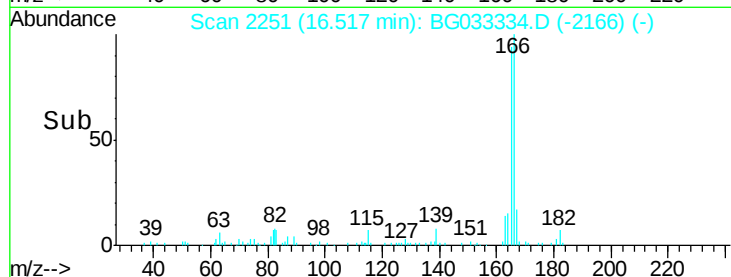
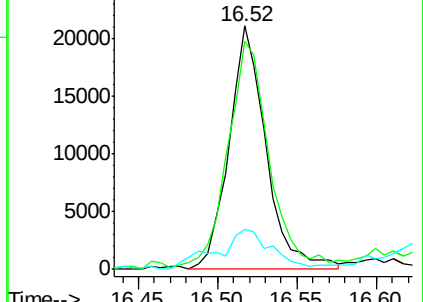
167 16.6 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.22 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

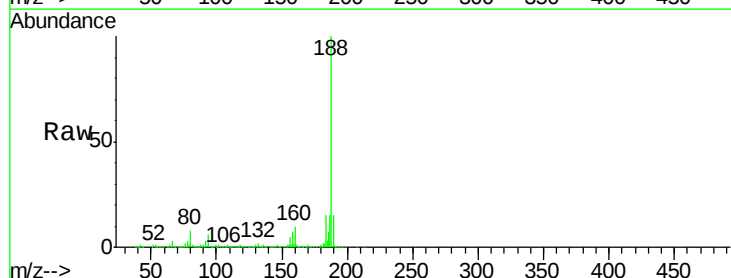
Tgt Ion:188 Resp: 343155

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

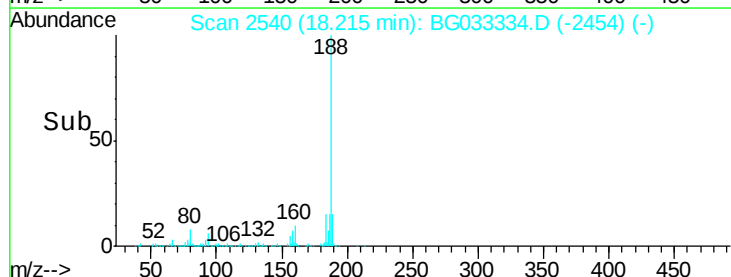
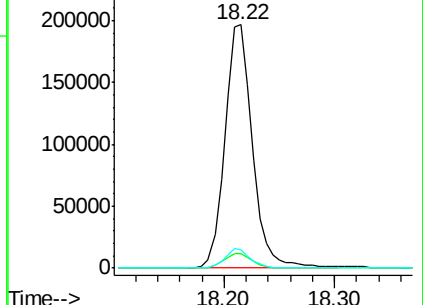
80 7.6 7.7 11.5#



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

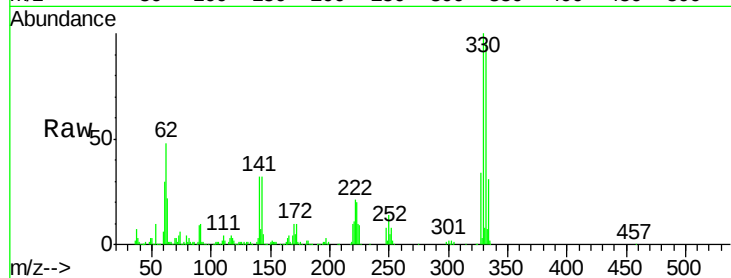




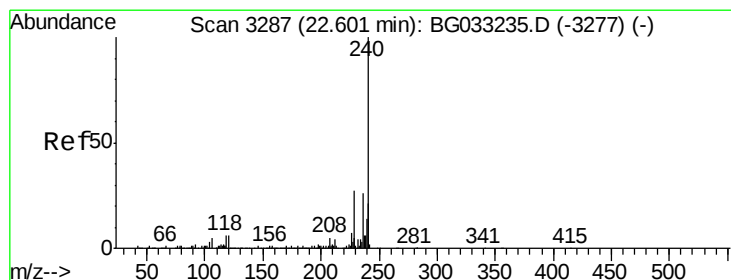
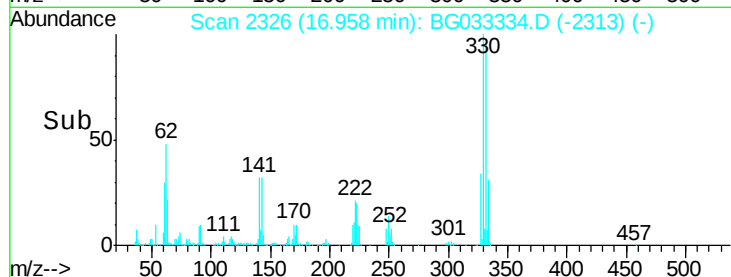
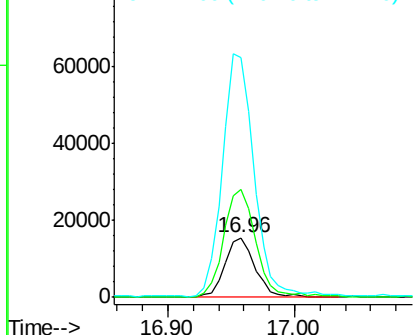
#66
4-Bromophenyl-phenylether
Concen: 6.349 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.45 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Instrument :
BNA_G
ClientSampleId :
C19013071

Tot Ion:248 Resp: 25586
Ion Ratio Lower Upper
248 100
250 181.0 77.1 115.7#
141 403.5 50.8 76.2#

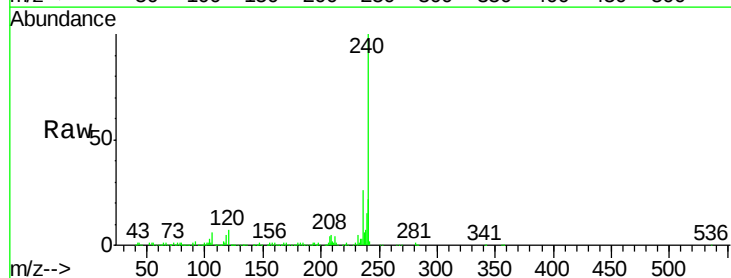


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

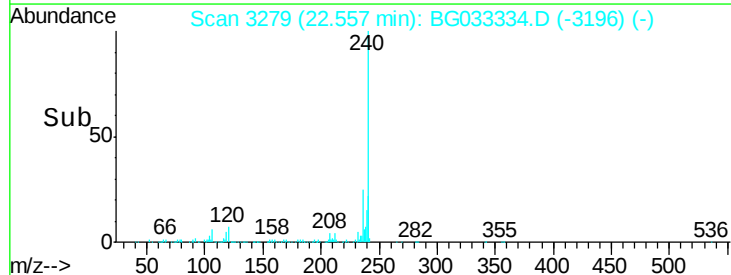
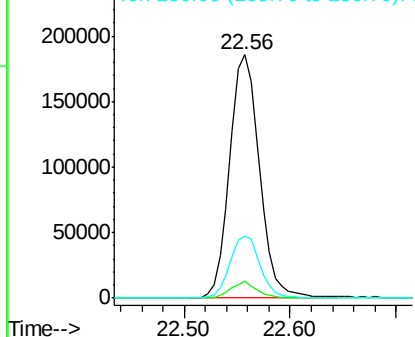


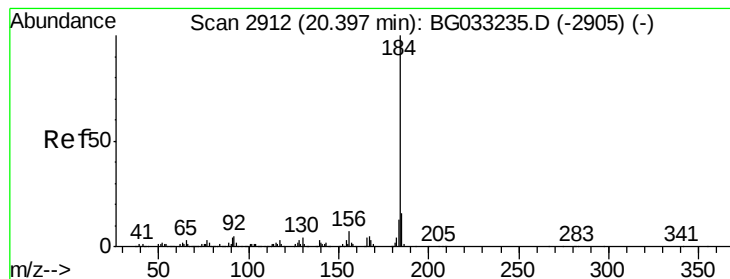
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3279
Delta R.T. -0.04 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Tgt Ion:240 Resp: 362782
Ion Ratio Lower Upper
240 100
120 7.0 6.8 10.2
236 25.5 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: 2.618 ng

RT: 20.74 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

Instrument :

BNA_G

ClientSampleId :

C19013071

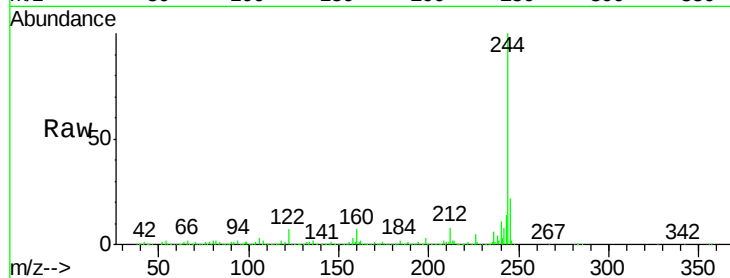
Tot Ion:184 Resp: 25754

Ion Ratio Lower Upper

184 100

185 20.3 11.1 16.7#

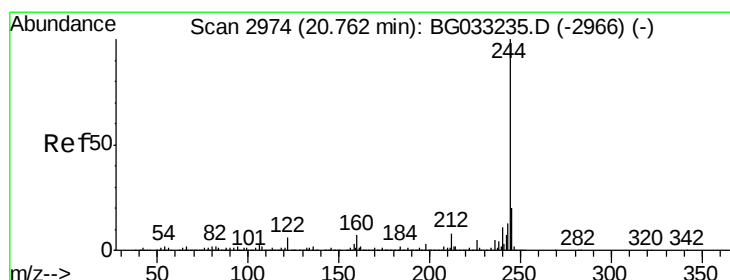
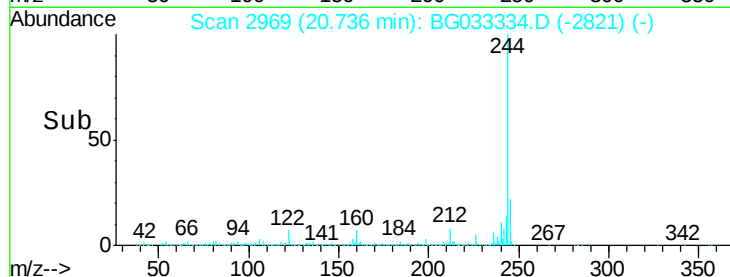
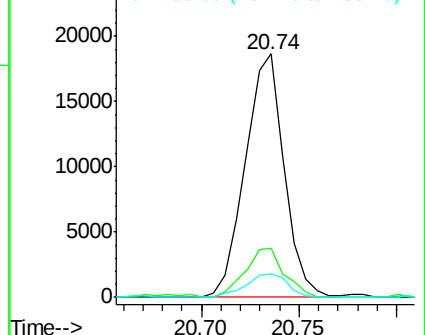
183 9.5 10.6 16.0#



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: 97.316 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.03 min

Lab File: BG033334.D

Acq: 26 Mar 2018 18:02

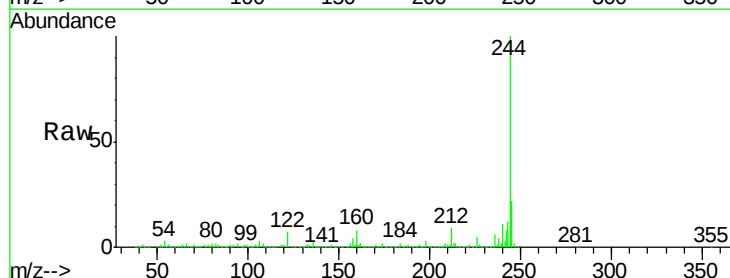
Tgt Ion:244 Resp: 1650822

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

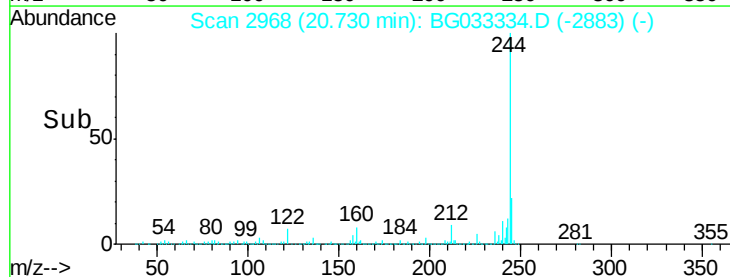
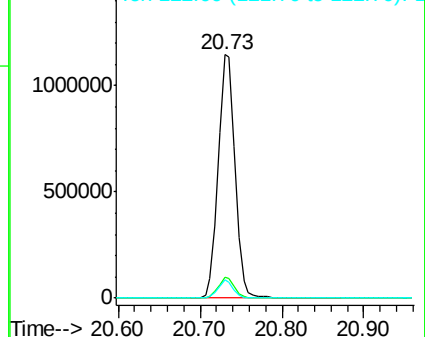
122 7.3 7.0 10.4



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: 20.000 ng
RT: 26.32 min Scan# 3919
Delta R.T. -0.07 min
Lab File: BG033334.D
Acq: 26 Mar 2018 18:02

Instrument :
BNA_G
ClientSampleId :
C19013071

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.1	17.7	26.5

