

Data File : BG033393.D
Acq On : 28 Mar 2018 19:36
Operator : SJ/JU
Sample : J2074-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB-032618

Quant Time: Mar 29 06:31:26 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	40466	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	185308	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	143734	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	349677	20.00	ng	0.00
75) Chrysene-d12	22.56	240	360857	20.00	ng	0.00
86) Perylene-d12	26.33	264	397215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	142896	66.22	ng	0.02
7) Phenol-d6	7.99	99	117877	31.79	ng	0.01
23) Nitrobenzene-d5	10.06	82	345899	85.76	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	269934	125.57	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	867488	87.13	ng	0.00
78) Terphenyl-d14	20.73	244	1430974	84.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	47405	17.45	ng	# 78
50) 2,6-Dinitrotoluene	15.49	165	17891	6.99	ng	# 23
53) 2,4-Dinitrophenol	15.95	184	56	7.68	ng	# 1
56) 2,4-Dinitrotoluene	15.49	165	17891	4.75	ng	# 20
66) 4-Bromophenyl-phenylether	16.96	248	19055	4.64	ng	# 1
76) Benzidine	20.73	184	23411	2.39	ng	# 92

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

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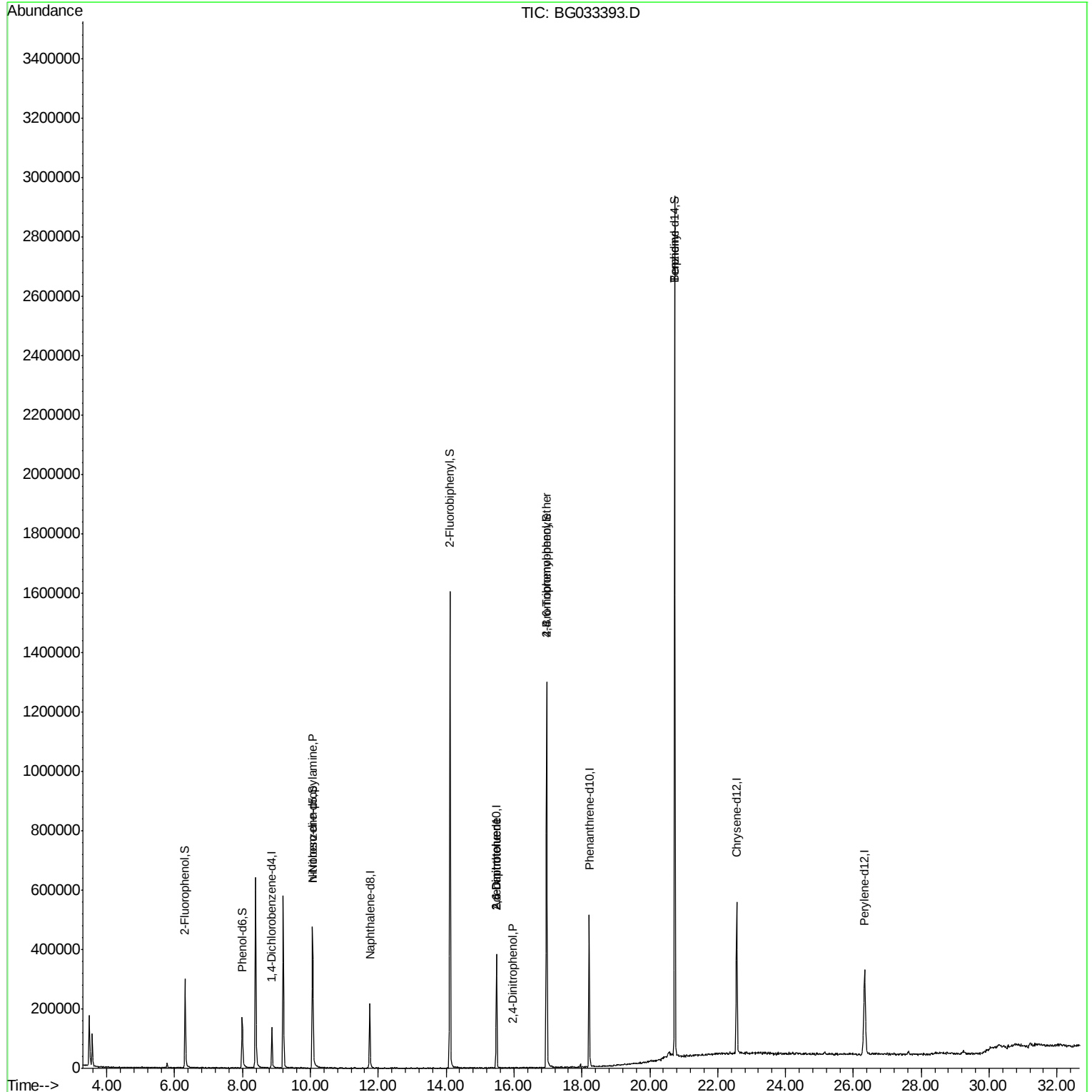
Quant Time: Mar 29 06:31:26 2018

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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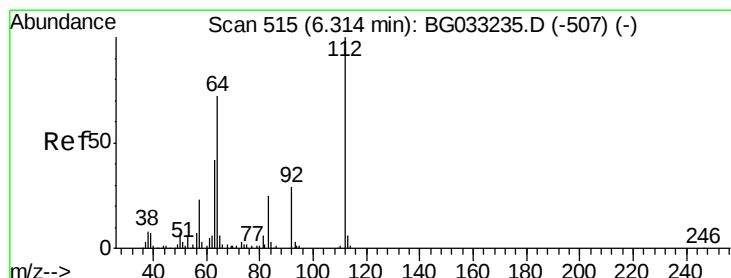
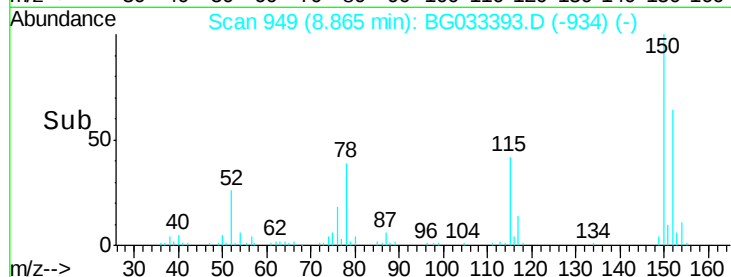
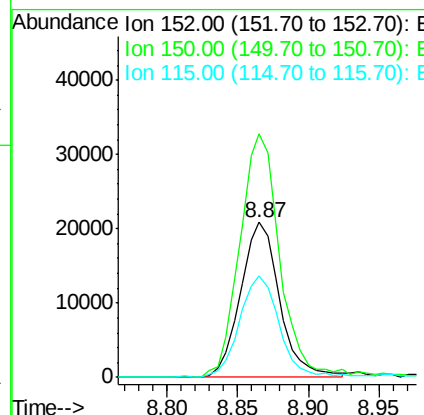
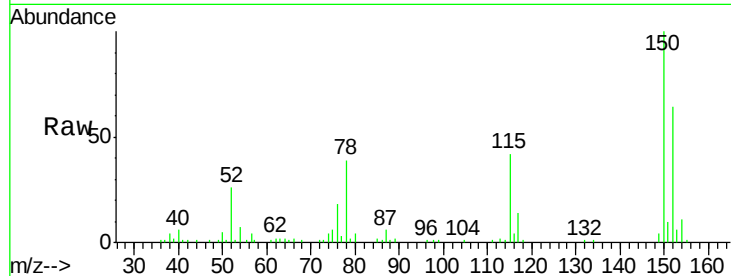




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.87 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BG033393.D
 Acq: 28 Mar 2018 19:36

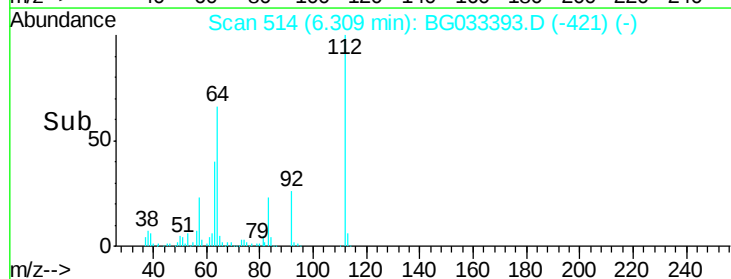
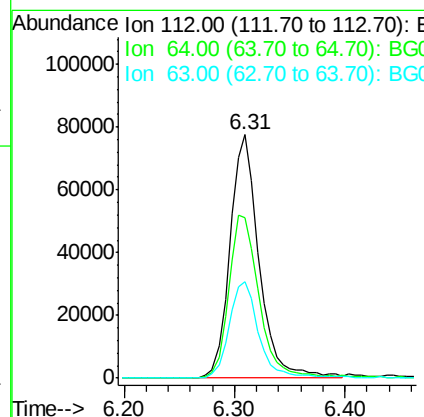
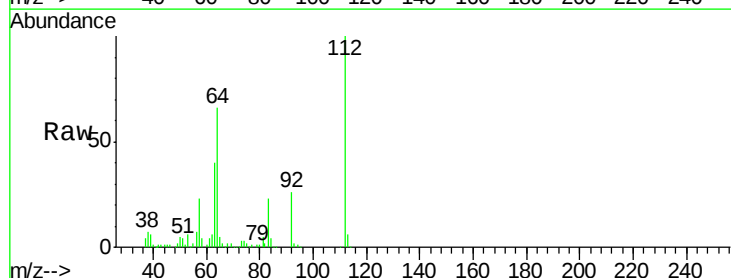
Instrument :
 BNA_G
 ClientSampleId :
 FB-032618

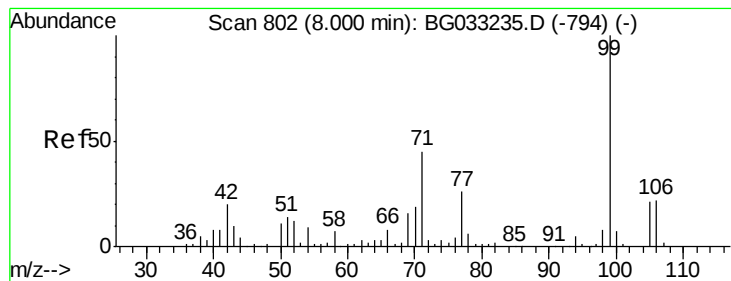
Tgt Ion:152 Resp: 40466
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.6 189.8
 115 66.0 53.0 79.4



#5
 2-Fluorophenol
 Concen: 66.22 ng
 RT: 6.31 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: BG033393.D
 Acq: 28 Mar 2018 19:36

Tgt Ion:112 Resp: 142896
 Ion Ratio Lower Upper
 112 100
 64 66.0 56.3 84.5
 63 39.9 30.1 45.1





#7

Phenol-d6

Concen: 31.79 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Instrument :

BNA_G

ClientSampleId :

FB-032618

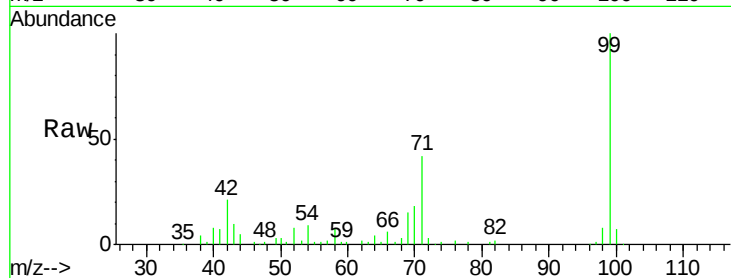
Tgt Ion: 99 Resp: 117877

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

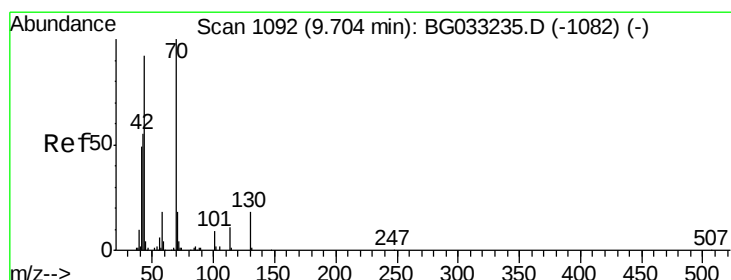
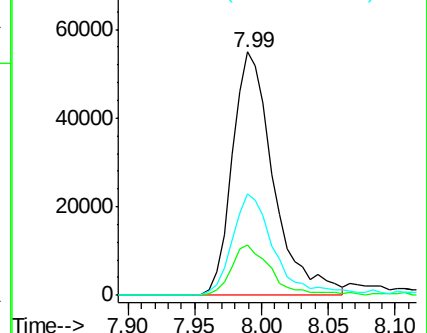
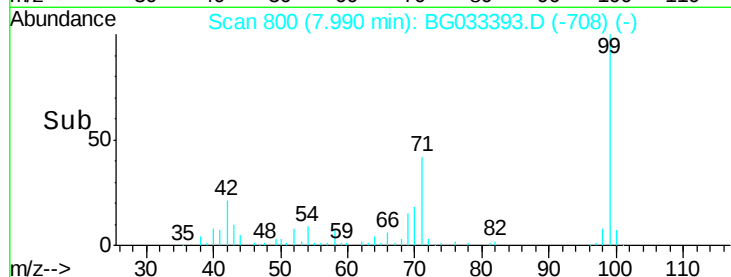
71 41.6 26.1 39.1#



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: 17.45 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.39 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Tgt Ion: 70 Resp: 47405

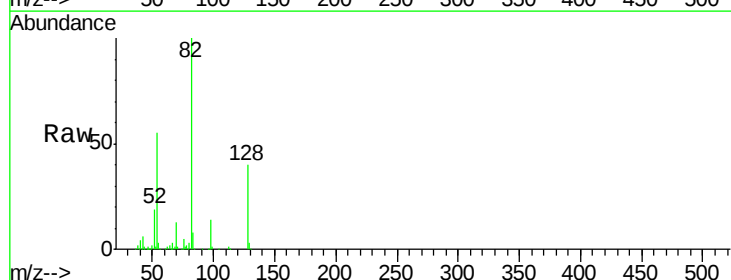
Ion Ratio Lower Upper

70 100

42 48.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

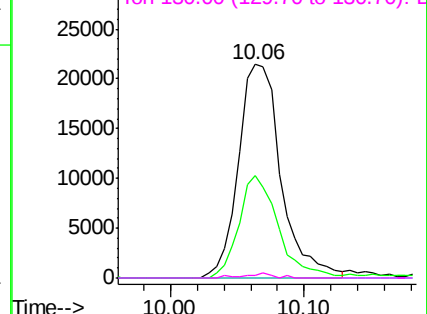
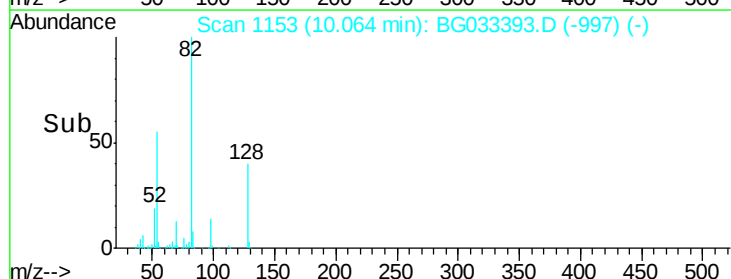


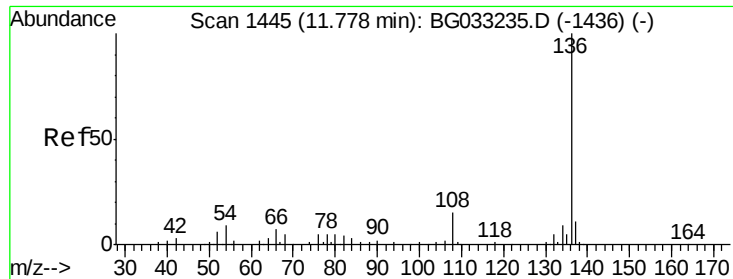
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.00 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:136 Resp: 185308

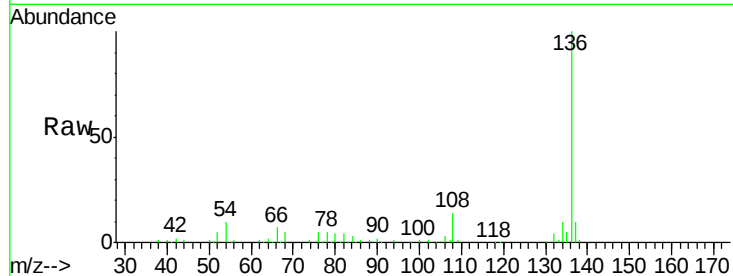
Ion Ratio Lower Upper

136 100

137 10.0 9.2 13.8

54 10.1 10.3 15.5#

68 4.9 4.5 6.7

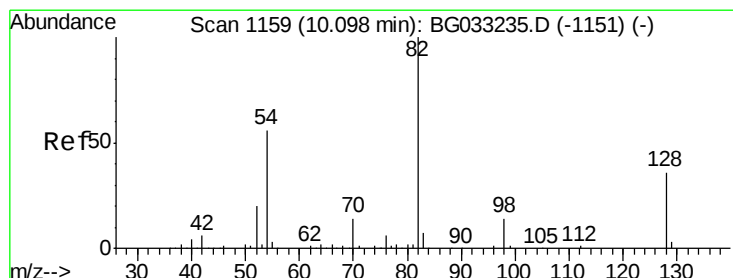
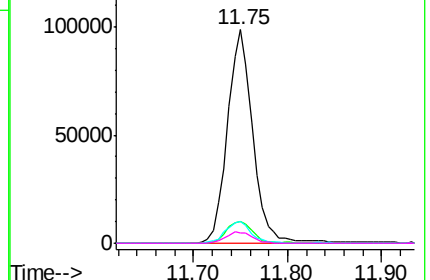
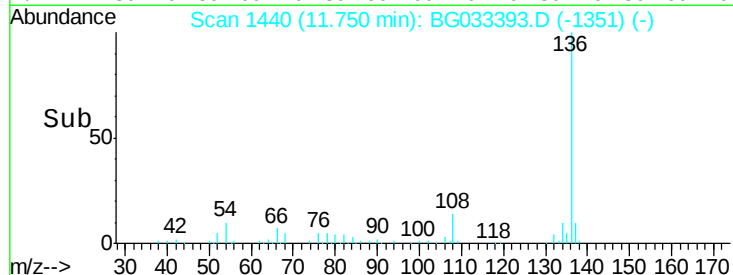


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.76 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

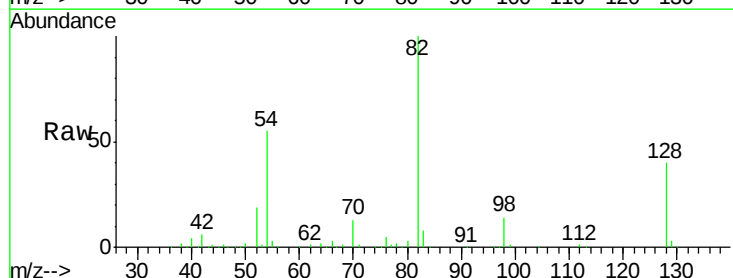
Tgt Ion: 82 Resp: 345899

Ion Ratio Lower Upper

82 100

128 39.8 29.7 44.5

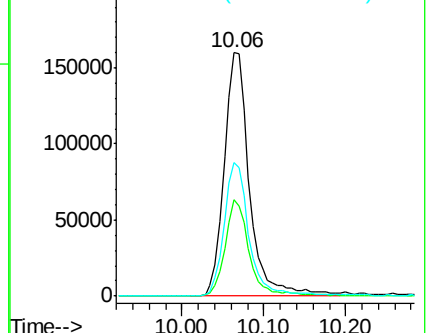
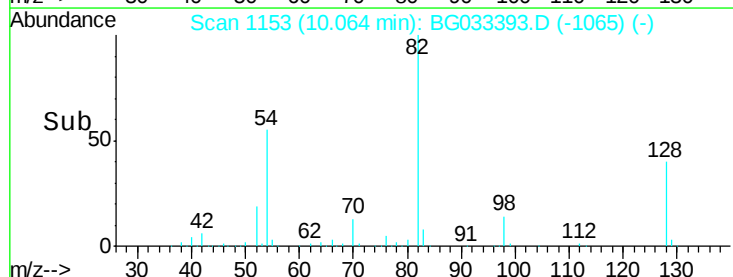
54 55.0 43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Instrument :

BNA_G

ClientSampleId :

FB-032618

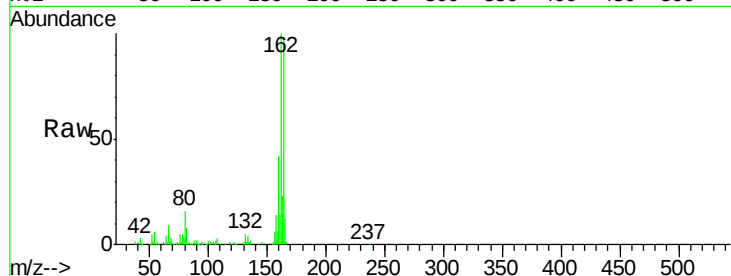
Tgt Ion:164 Resp: 143734

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

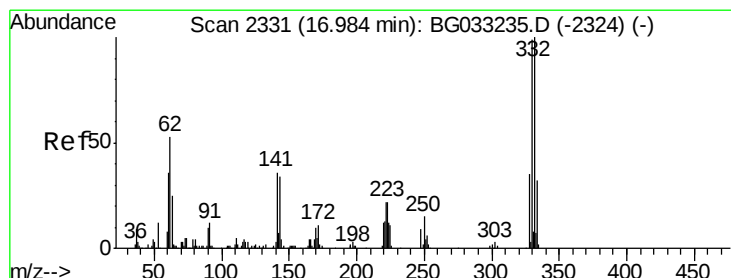
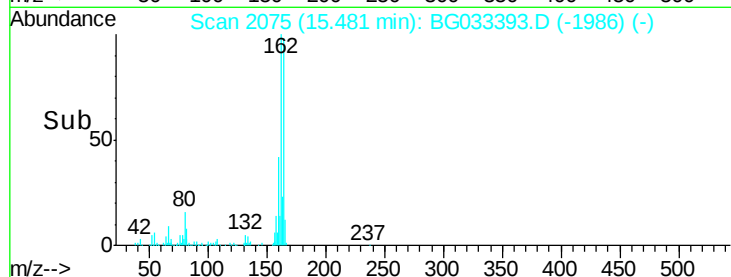
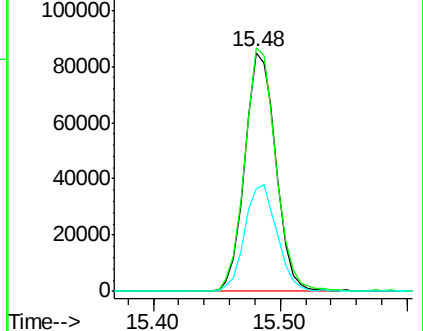
160 42.9 35.4 53.0



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: 125.57 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

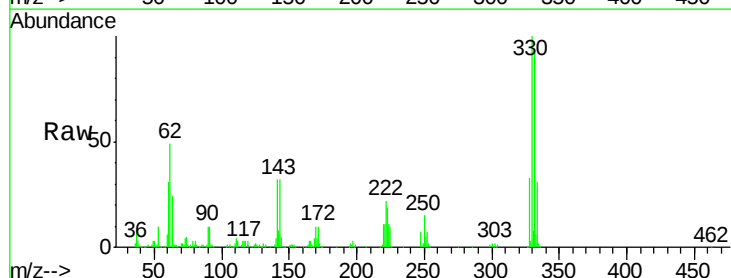
Tgt Ion:330 Resp: 269934

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

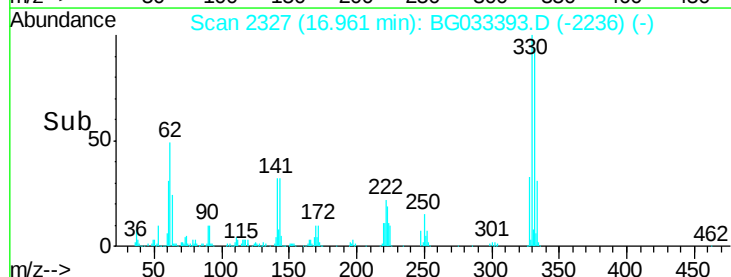
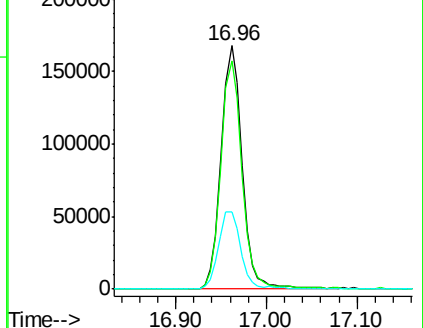
141 33.8 25.2 37.8

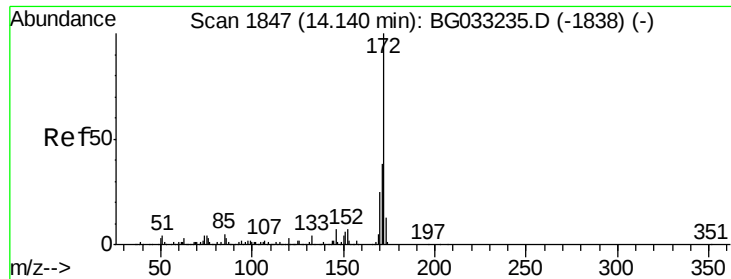


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

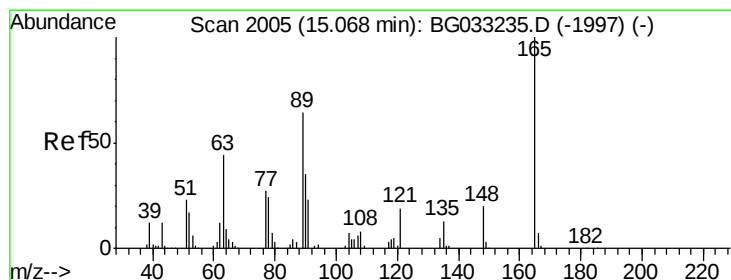
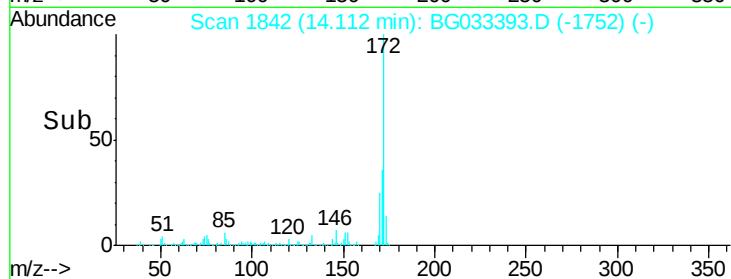
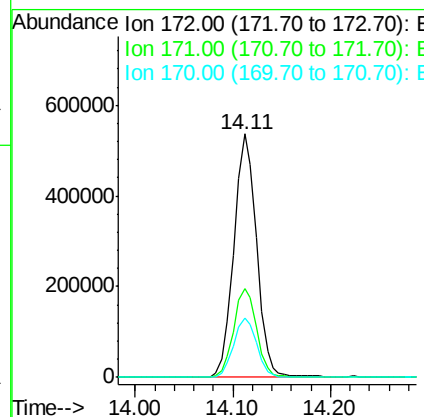
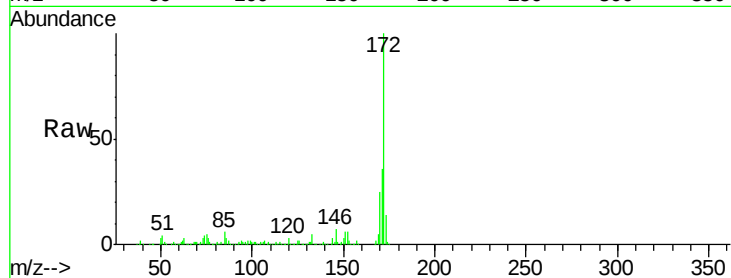




#44
 2-Fluorobiphenyl
 Concen: 87.13 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033393.D
 Acq: 28 Mar 2018 19:36

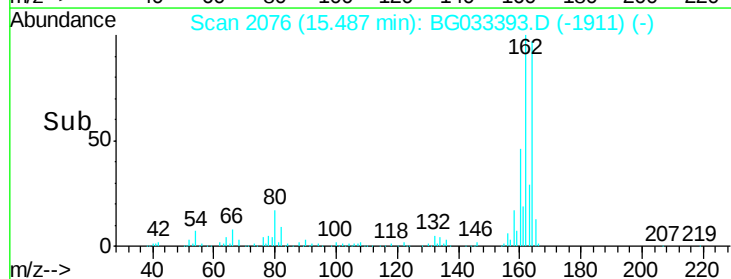
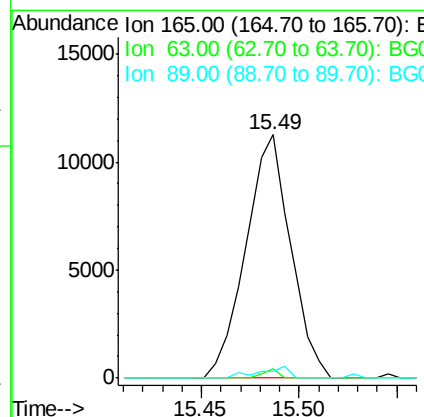
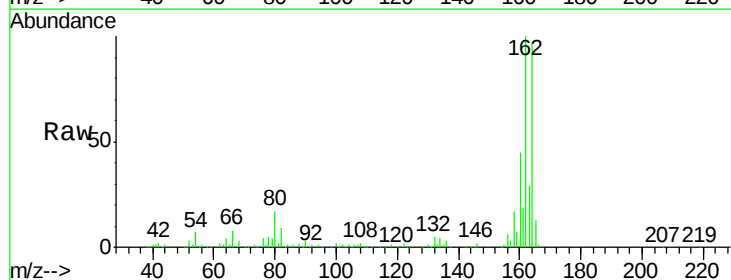
Instrument :
 BNA_G
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 FB-032618

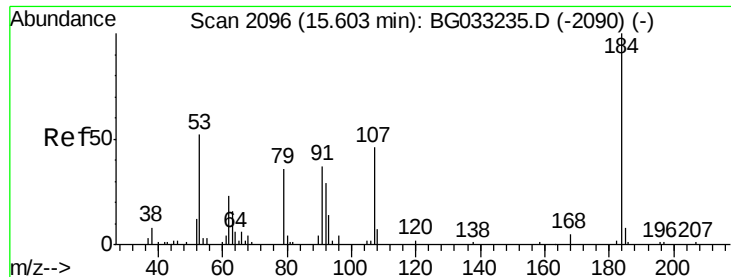
Tgt Ion:172 Resp: 867488
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.0 45.0
 170 24.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.99 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033393.D
 Acq: 28 Mar 2018 19:36

Tgt Ion:165 Resp: 17891
 Ion Ratio Lower Upper
 165 100
 63 4.1 52.7 79.1#
 89 2.7 49.2 73.8#

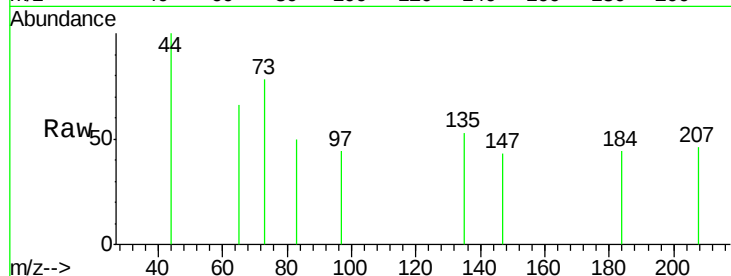




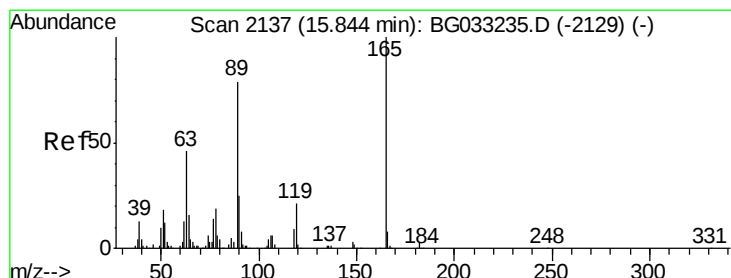
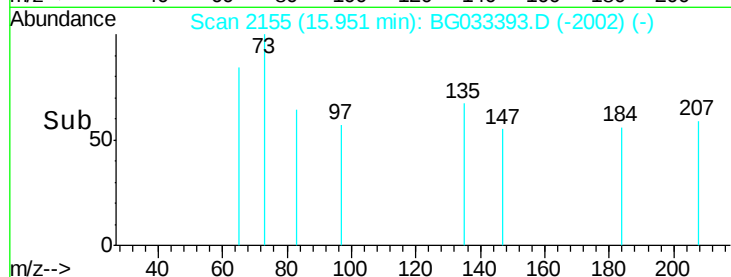
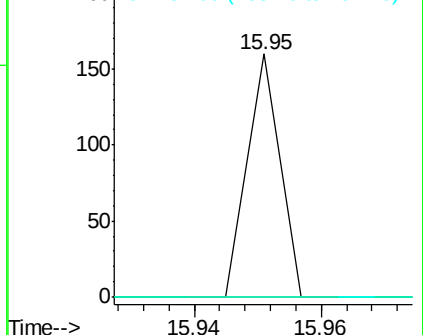
#53
2,4-Dinitrophenol
Concen: 7.68 ng
RT: 15.95 min Scan# 2155
Delta R.T. 0.37 min
Lab File: BG033393.D
Acq: 28 Mar 2018 19:36

Instrument :
BNA_G
ClientSampleId :
FB-032618

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

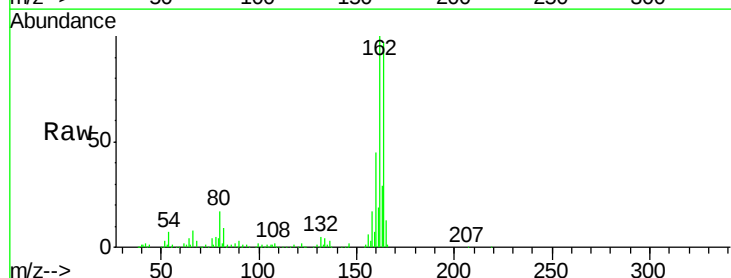


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

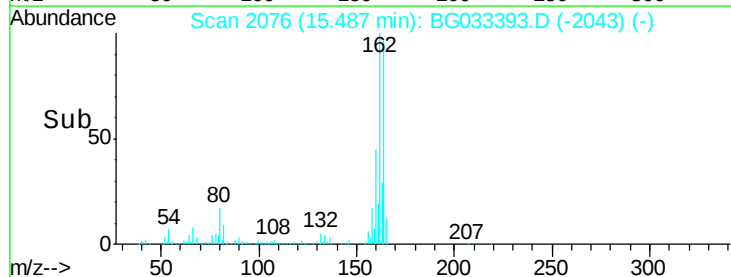
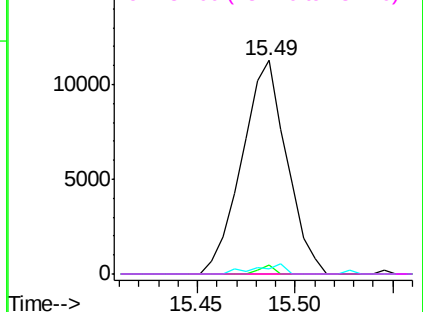


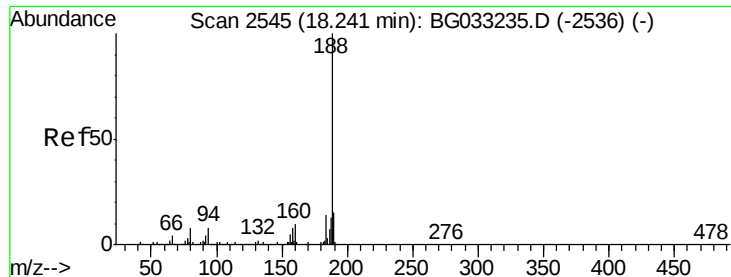
#56
2,4-Dinitrotoluene
Concen: 4.75 ng
RT: 15.49 min Scan# 2076
Delta R.T. -0.34 min
Lab File: BG033393.D
Acq: 28 Mar 2018 19:36

Tgt Ion:165 Resp: 17891
Ion Ratio Lower Upper
165 100
63 4.1 42.0 63.0#
89 2.7 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

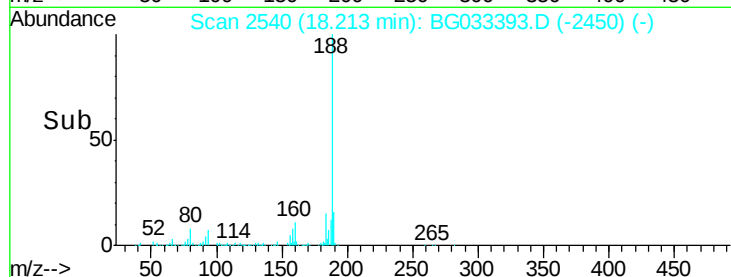
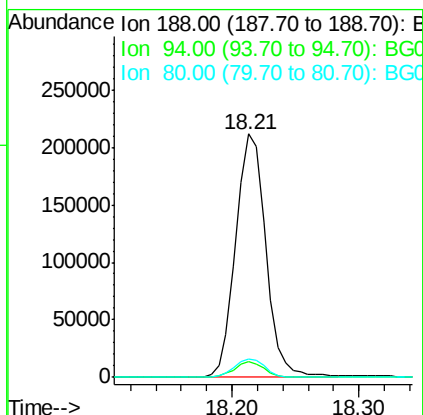
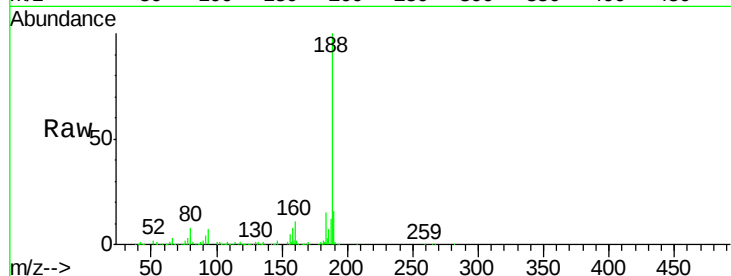




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033393.D
Acq: 28 Mar 2018 19:36

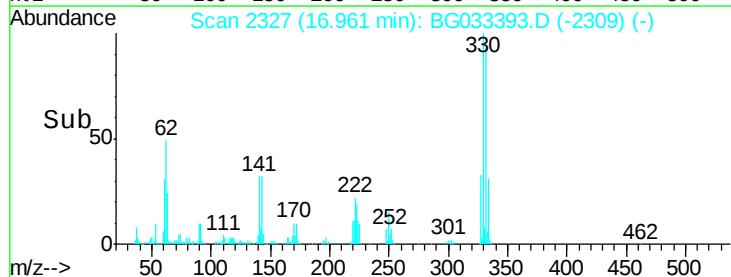
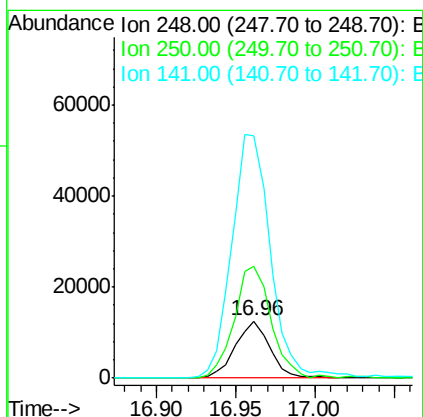
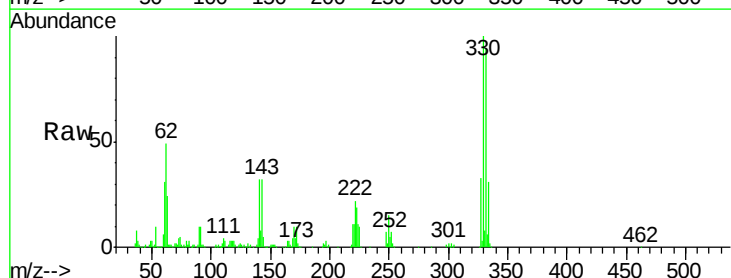
Instrument :
BNA_G
ClientSampled :
FB-032618

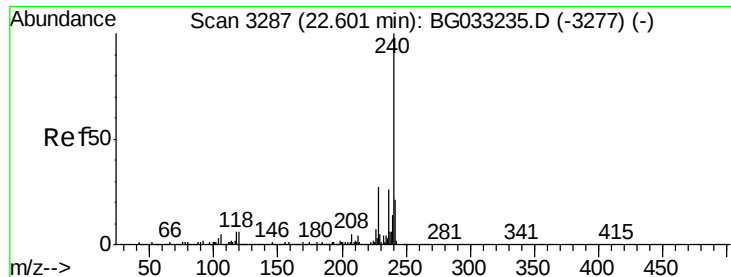
Tgt Ion:188 Resp: 349677
Ion Ratio Lower Upper
188 100
94 6.5 6.9 10.3#
80 7.6 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.64 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.42 min
Lab File: BG033393.D
Acq: 28 Mar 2018 19:36

Tgt Ion:248 Resp: 19055
Ion Ratio Lower Upper
248 100
250 195.7 77.1 115.7#
141 425.4 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Instrument :

BNA_G

ClientSampleId :

FB-032618

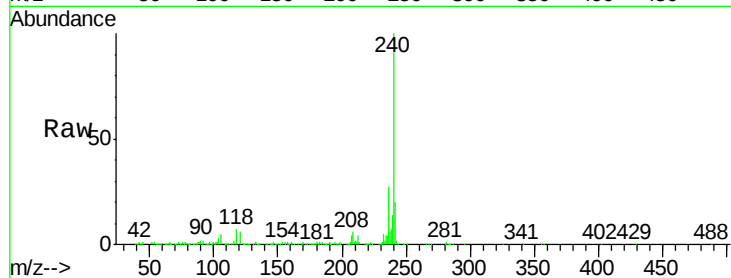
Tgt Ion:240 Resp: 360857

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

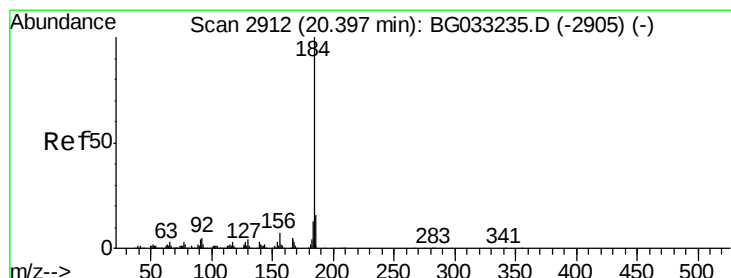
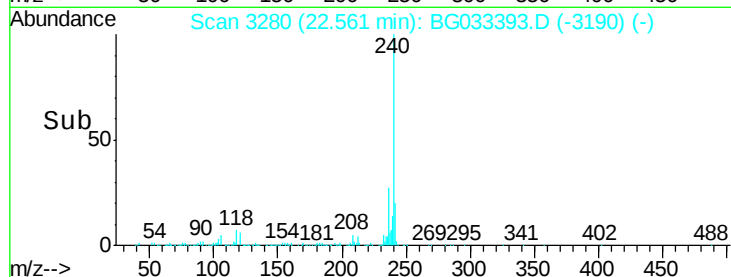
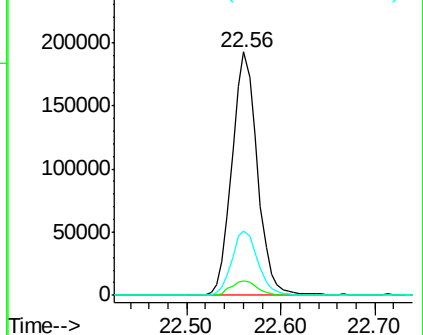
236 26.6 20.9 31.3



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: 2.39 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

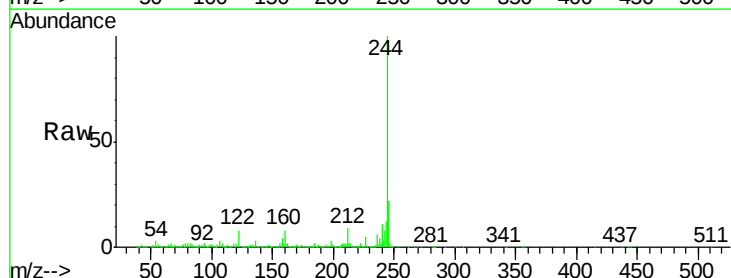
Tgt Ion:184 Resp: 23411

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

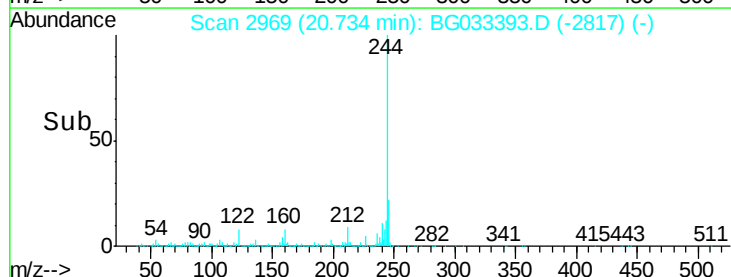
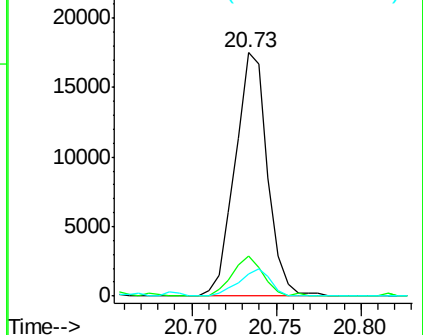
183 9.3 10.6 16.0#

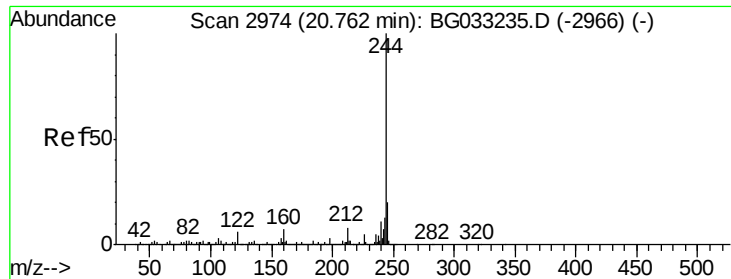


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 84.81 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

Instrument :

BNA_G

ClientSampleId :

FB-032618

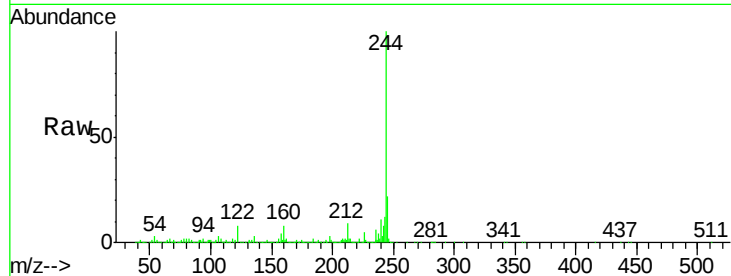
Tgt Ion:244 Resp: 1430974

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

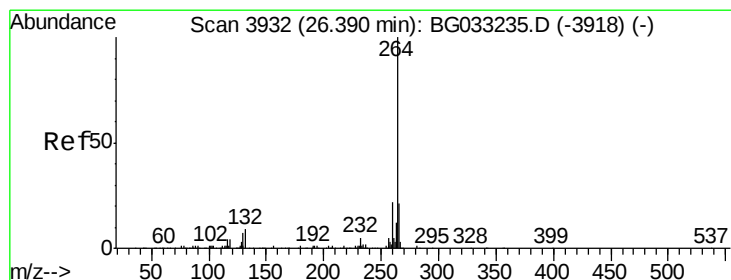
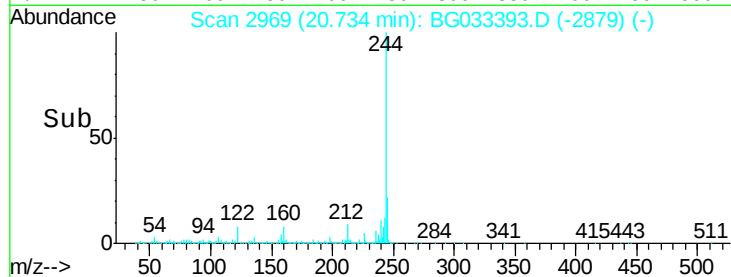
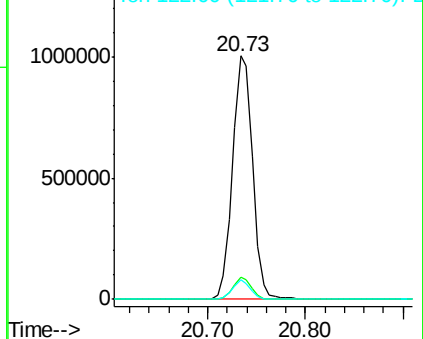
122 7.8 7.0 10.4



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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033393.D

Acq: 28 Mar 2018 19:36

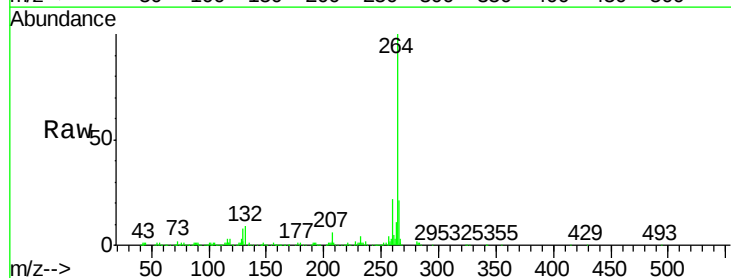
Tgt Ion:264 Resp: 397215

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 21.0 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

