

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022218\
 Data File : BG032785.D
 Acq On : 22 Feb 2018 17:42
 Operator : SJ/JU
 Sample : J1637-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200034-RBR20035-RT3425

Quant Time: Feb 22 18:15:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 21 15:45:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	82991	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	349480	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	191701	20.00	ng	-0.01
63) Phenanthrene-d10	18.27	188	434750	20.00	ng	0.00
75) Chrysene-d12	22.63	240	403793	20.00	ng	-0.01
86) Perylene-d12	26.44	264	427424	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	636071	122.62	ng	0.00
7) Phenol-d6	8.02	99	734991	101.65	ng	0.00
23) Nitrobenzene-d5	10.13	82	525020	102.01	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	298039	147.86	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1170218	88.04	ng	0.00
78) Terphenyl-d14	20.79	244	1662994	92.53	ng	0.00

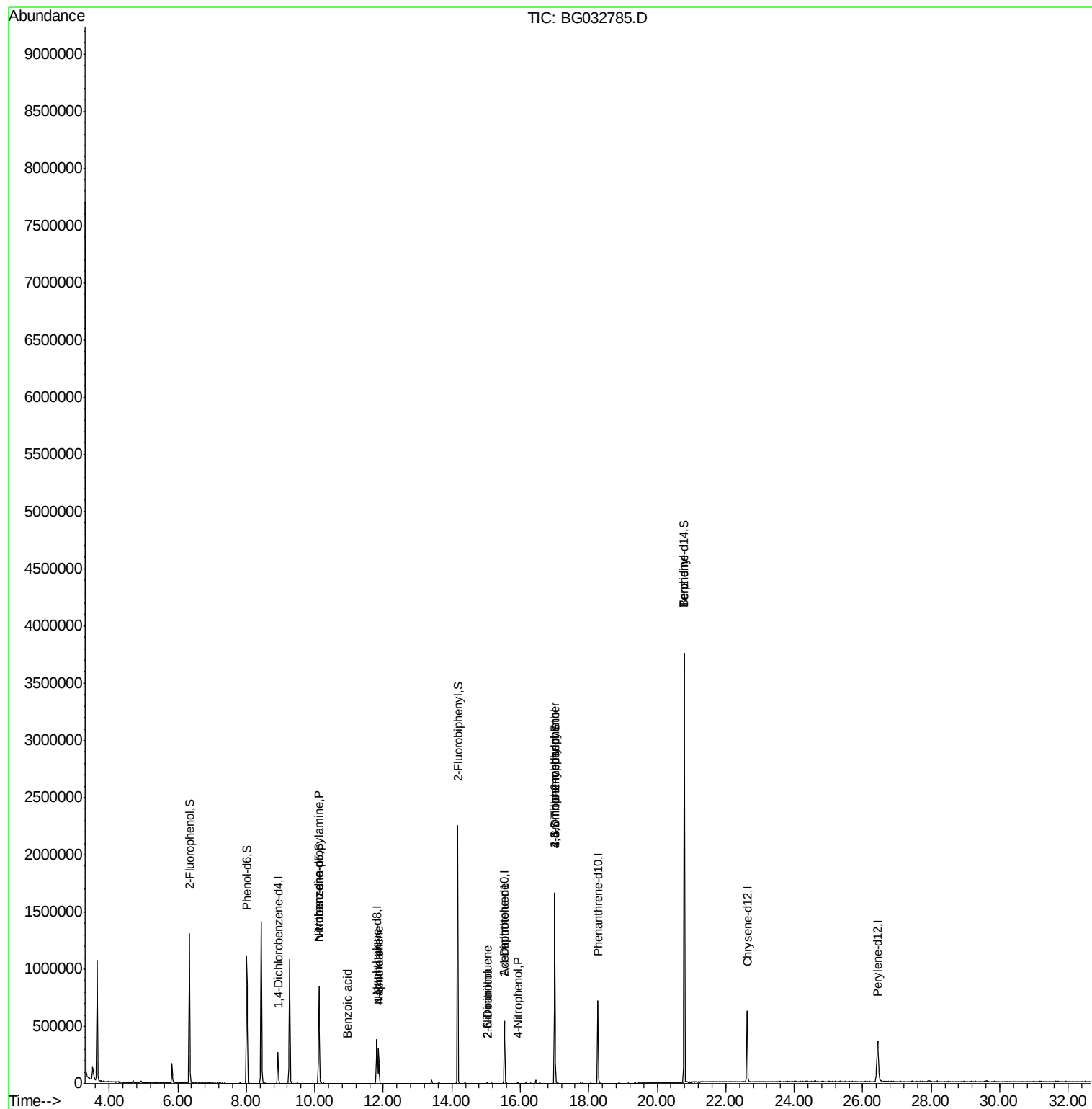
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.13	70	68250	13.370	ng	# 79
24) Nitrobenzene	10.13	77	1666	6.640	ng	# 33
31) Naphthalene	11.86	128	268502	14.703	ng	# 99
32) Benzoic acid	10.94	122	554	6.019	ng	# 53
33) 4-Chloroaniline	11.86	127	37134	4.548	ng	# 32
47) 2-Nitroaniline	15.04	65	118	9.865	ng	# 9
50) 2,6-Dinitrotoluene	15.04	165	969	9.191	ng	# 18
55) 4-Nitrophenol	15.93	139	1910	7.734	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	25209	14.719	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	884	5.812	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20938	4.555	ng	# 1
76) Benzidine	20.79	184	28920	2.101	ng	# 90

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

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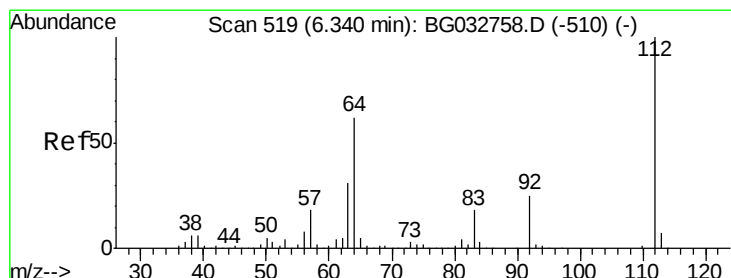
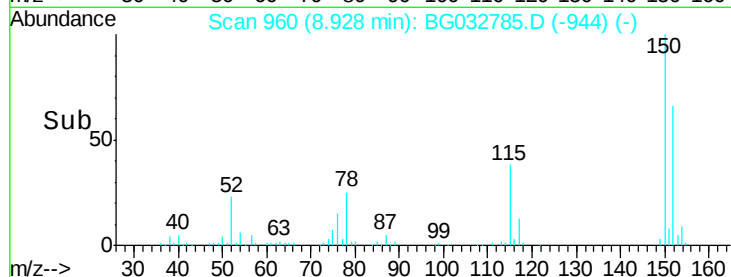
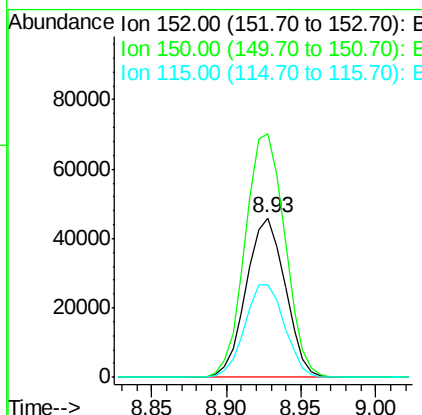
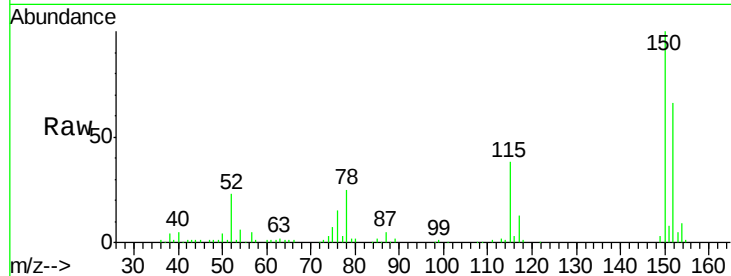


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Instrument :
BNA_G
ClientSampleId :
RBR200034-RBR20035-RT3425

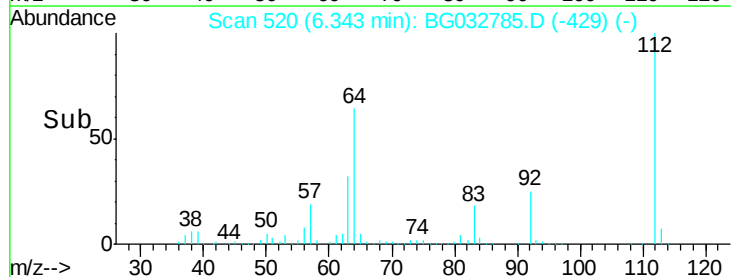
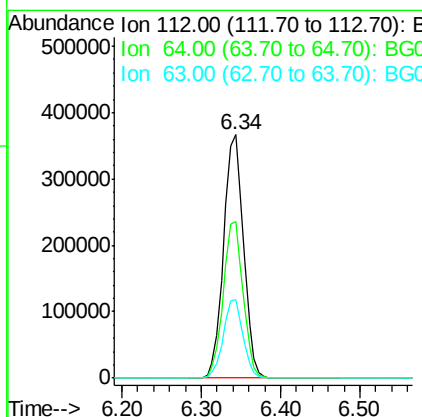
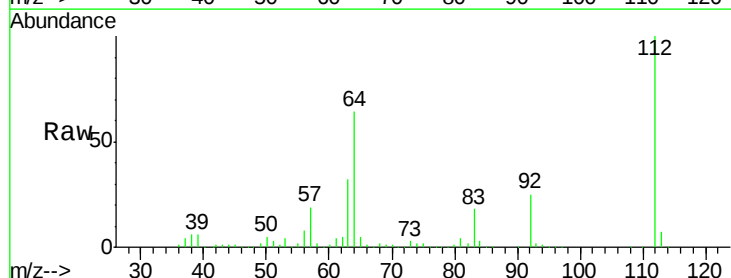
Tot Ion:152 Resp: 82991
Ion Ratio Lower Upper
152 100
150 152.5 126.6 189.8
115 58.3 53.0 79.4



#5

2-Fluorophenol
Concen: 122.618 ng
RT: 6.34 min Scan# 520
Delta R.T. 0.00 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Tgt Ion:112 Resp: 636071
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 32.4 30.1 45.1





#7

Phenol-d6

Concen: 101.651 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

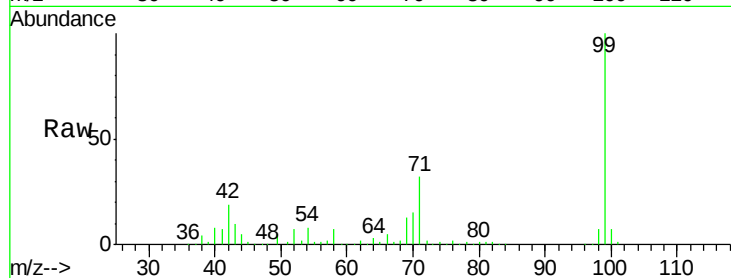
Tot Ion: 99 Resp: 734991

Ion Ratio Lower Upper

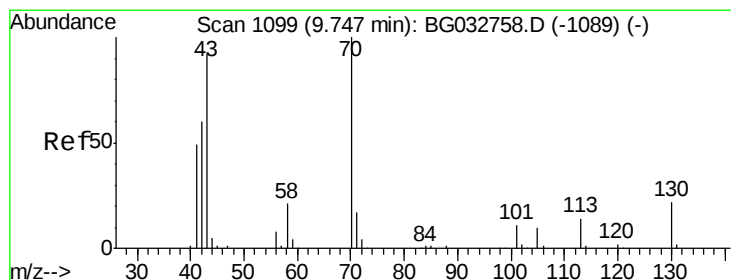
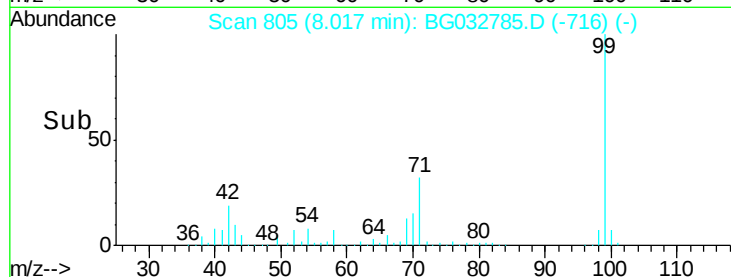
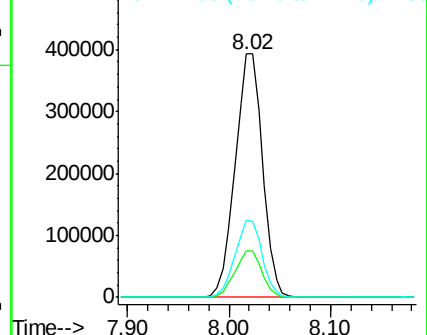
99 100

42 19.0 14.1 21.1

71 31.9 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: 13.370 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Tgt Ion: 70 Resp: 68250

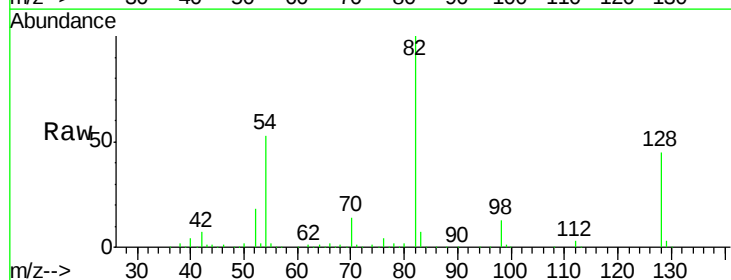
Ion Ratio Lower Upper

70 100

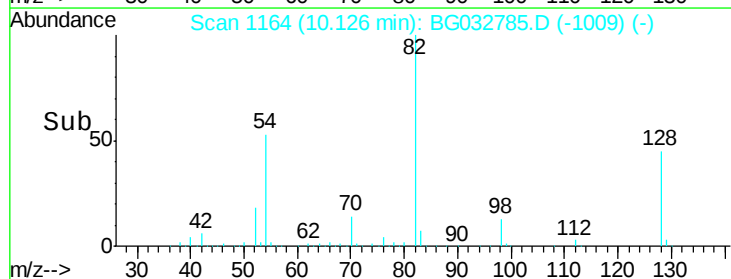
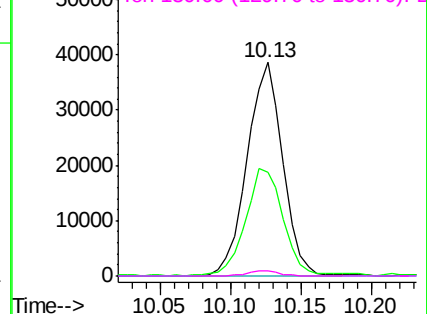
42 48.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 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

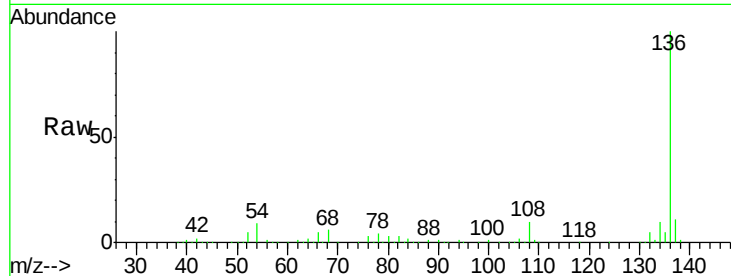




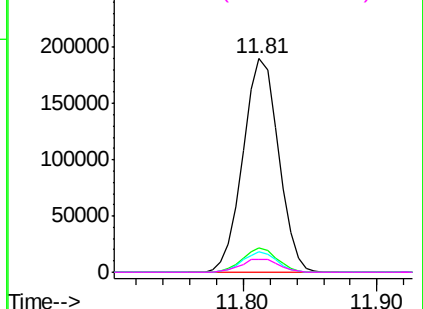
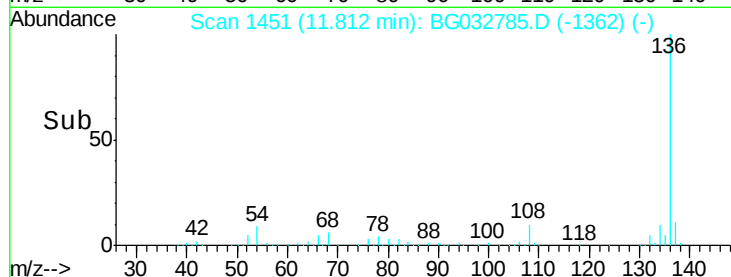
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Instrument :
BNA_G
ClientSampleId :
RBR200034-RBR20035-RT3425

Tot Ion:136	Resp:	349480
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	9.5	10.3 15.5#
68	6.2	4.5 6.7

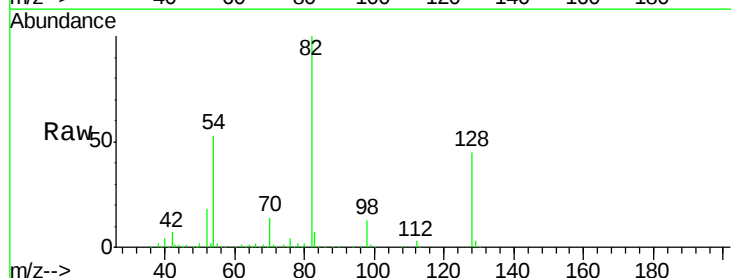


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

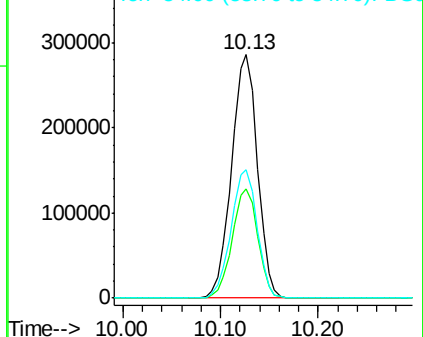
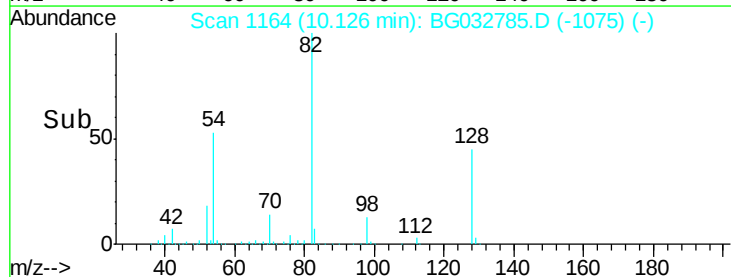


#23
Nitrobenzene-d5
Concen: 102.006 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Tgt Ion: 82	Resp:	525020
Ion Ratio	Lower	Upper
82	100	
128	44.9	29.7 44.5#
54	52.8	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

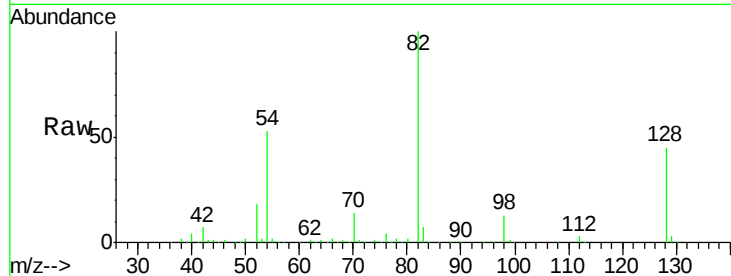




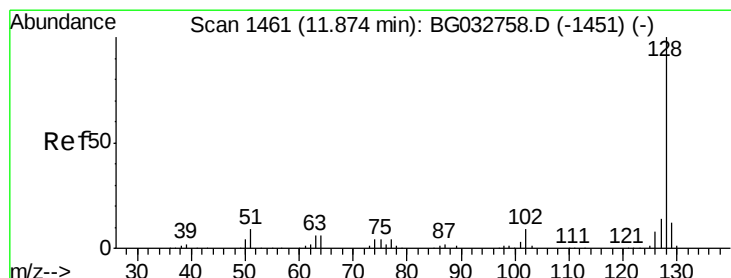
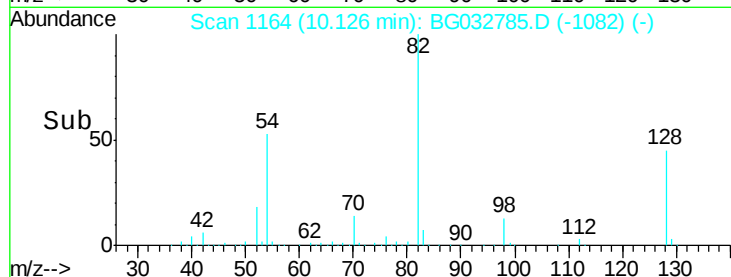
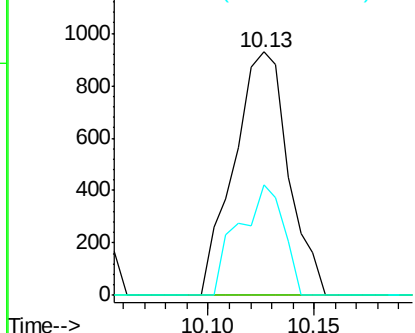
#24
Nitrobenzene
Concen: 6.640 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.05 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Instrument :
BNA_G
ClientSampleId :
RBR200034-RBR20035-RT3425

Tot Ion: 77 Resp: 1666
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 45.6 13.0 19.6#

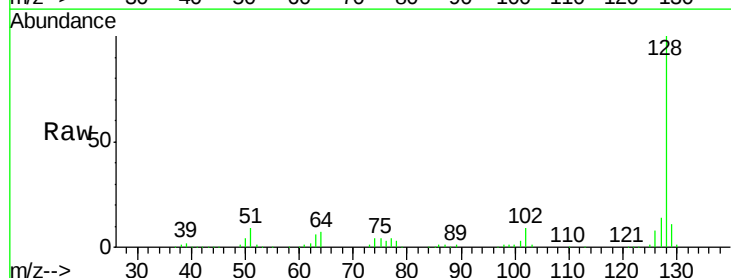


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

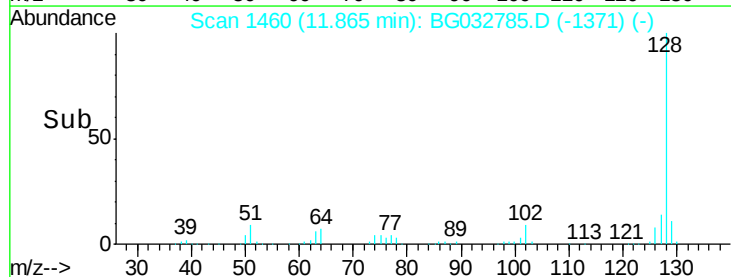
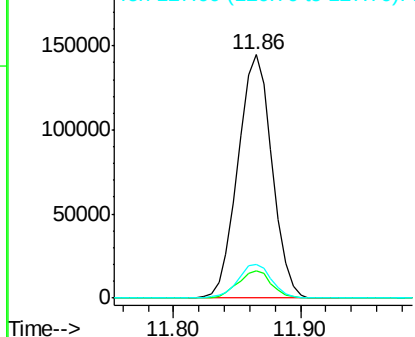


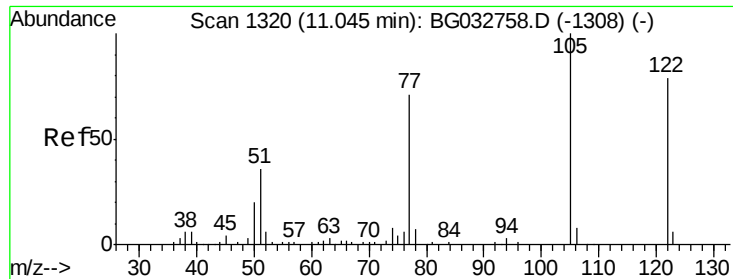
#31
Naphthalene
Concen: 14.703 ng
RT: 11.86 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Tgt Ion: 128 Resp: 268502
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.9 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 6.019 ng

RT: 10.94 min Scan# 1303

Delta R.T. -0.10 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

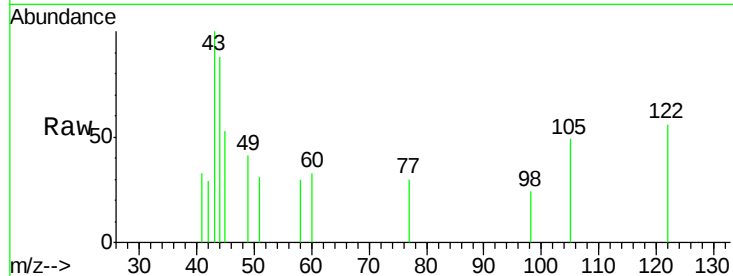
Tot Ion:122 Resp: 554

Ion Ratio Lower Upper

122 100

105 87.5 123.5 163.5#

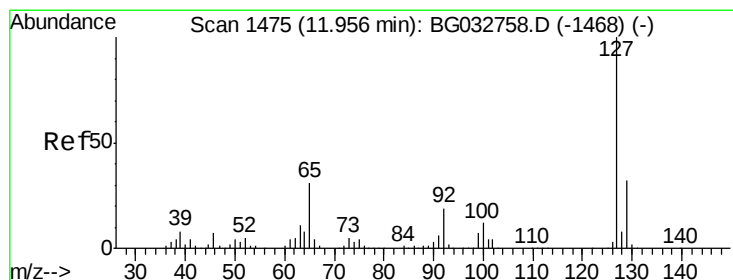
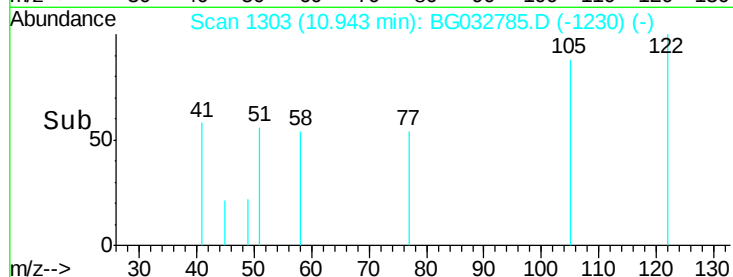
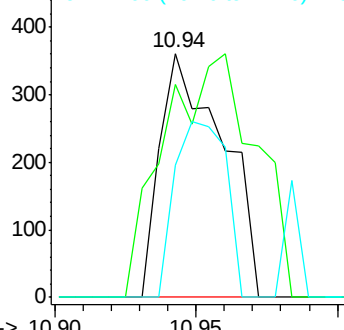
77 54.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 4.548 ng

RT: 11.86 min Scan# 1460

Delta R.T. -0.09 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Tgt Ion:127 Resp: 37134

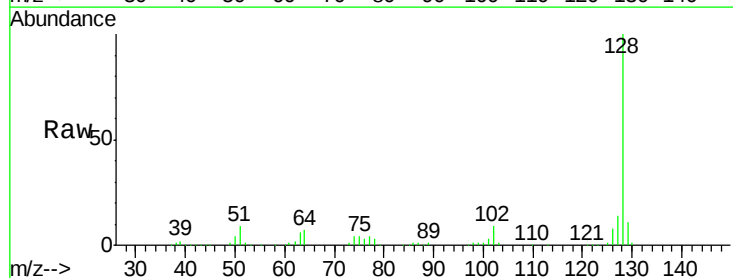
Ion Ratio Lower Upper

127 100

129 81.0 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

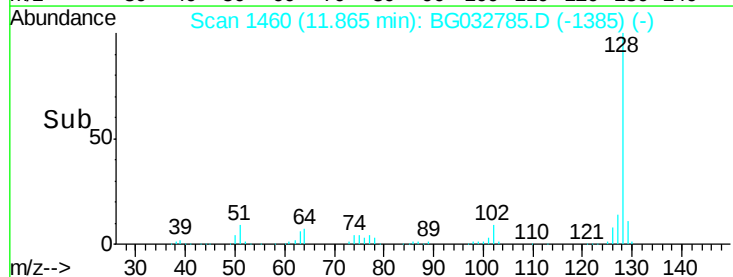
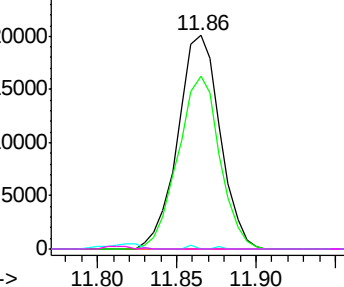


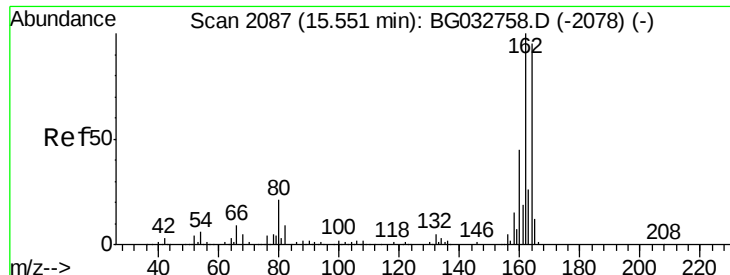
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

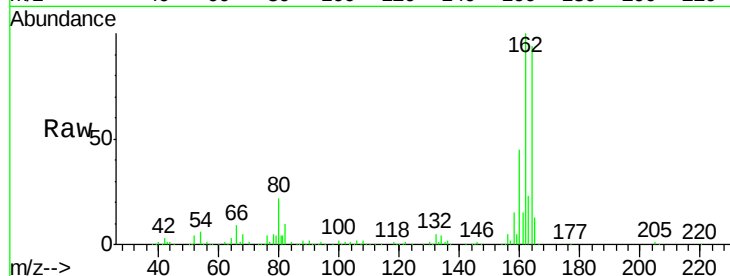
Tot Ion:164 Resp: 191701

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

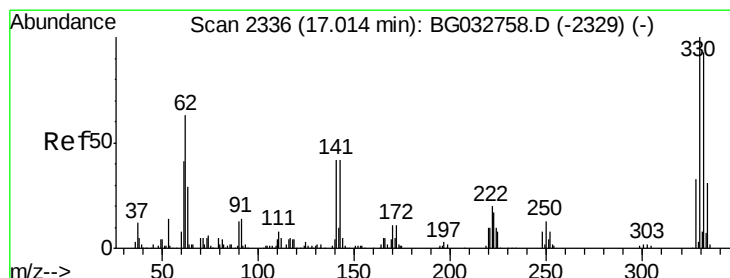
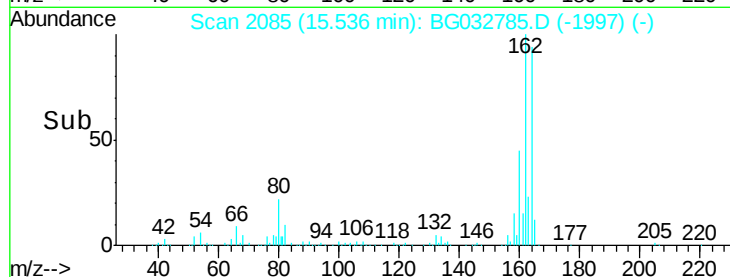
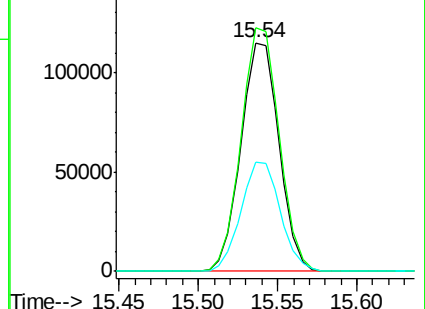
160 47.6 35.4 53.0



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: 147.861 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

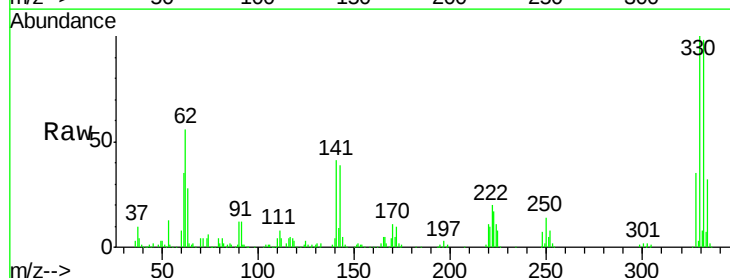
Tgt Ion:330 Resp: 298039

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

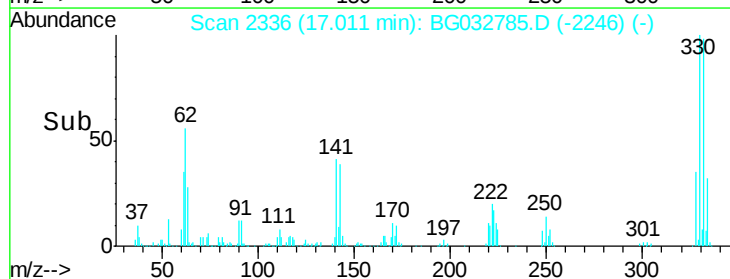
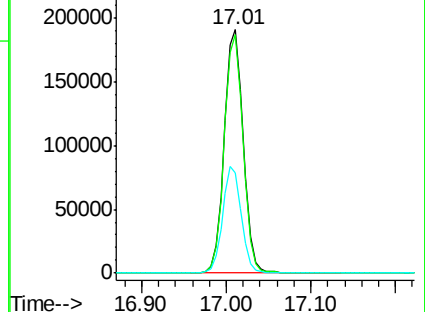
141 43.2 25.2 37.8#

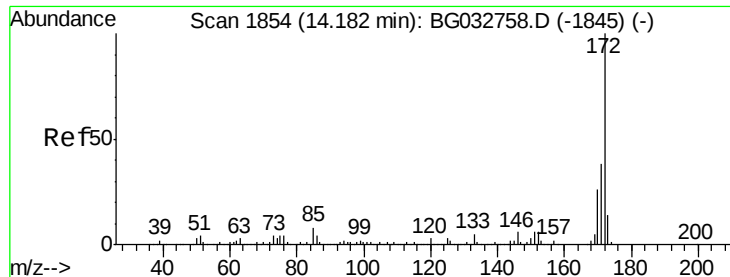


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

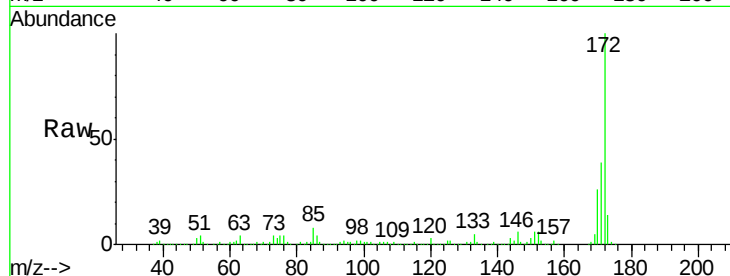




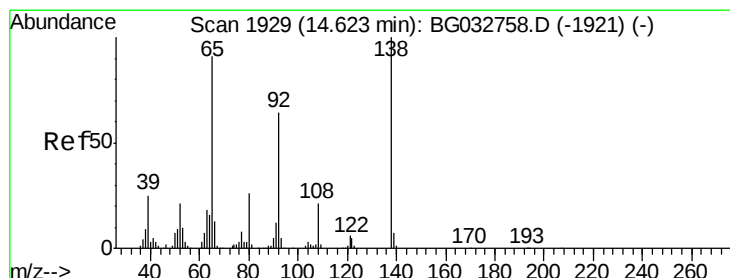
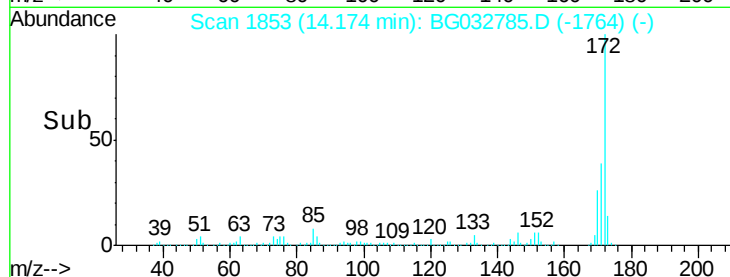
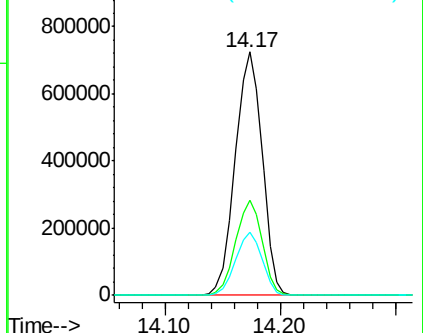
#44
2-Fluorobiphenyl
Concen: 88.041 ng
RT: 14.17 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Instrument :
BNA_G
ClientSampleId :
RBR200034-RBR20035-RT3425

Tot Ion:172 Resp: 1170218
Ion Ratio Lower Upper
172 100
171 38.9 30.0 45.0
170 25.7 19.5 29.3

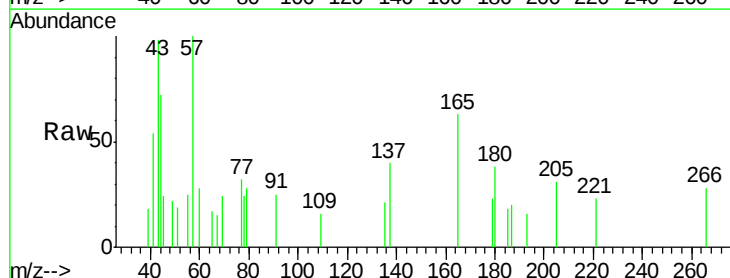


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

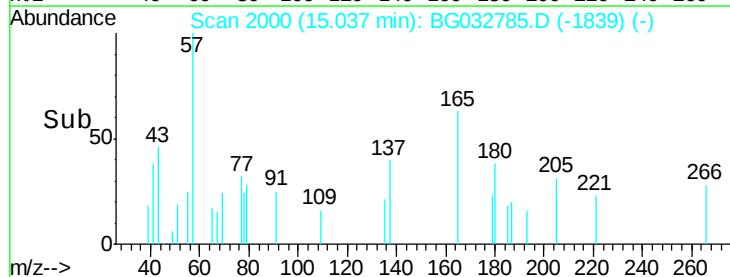
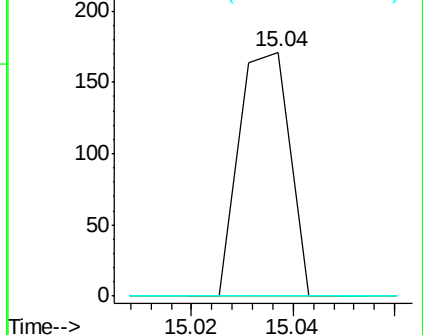


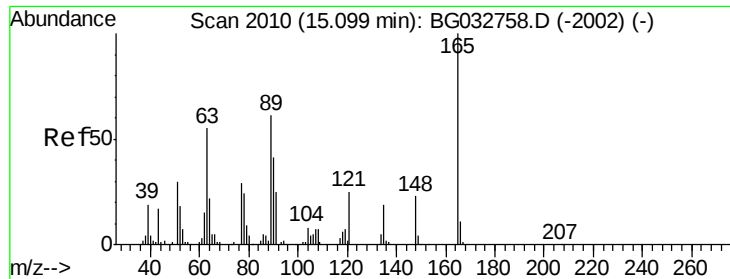
#47
2-Nitroaniline
Concen: 9.865 ng
RT: 15.04 min Scan# 2000
Delta R.T. 0.42 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Tgt Ion: 65 Resp: 118
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E

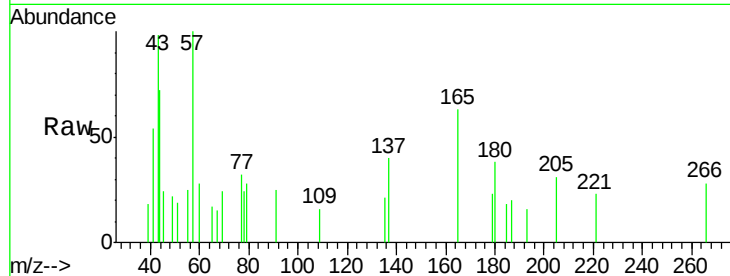




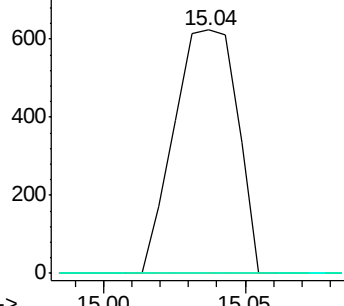
#50
 2,6-Dinitrotoluene
 Concen: 9.191 ng
 RT: 15.04 min Scan# 2000
 Delta R.T. -0.06 min
 Lab File: BG032785.D
 Acq: 22 Feb 2018 17:42

Instrument :
 BNA_G
 ClientSampleId :
 RBR200034-RBR20035-RT3425

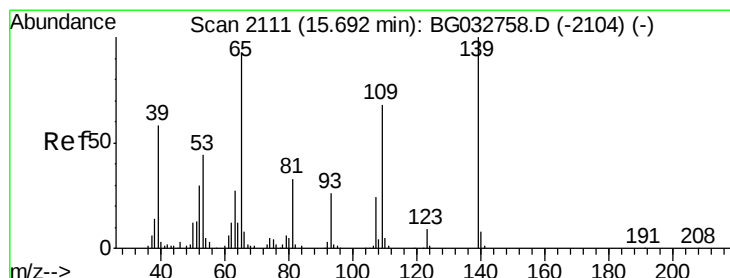
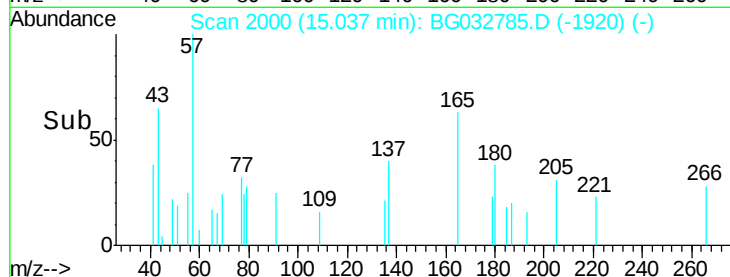
Tot Ion:165 Resp: 969
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



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

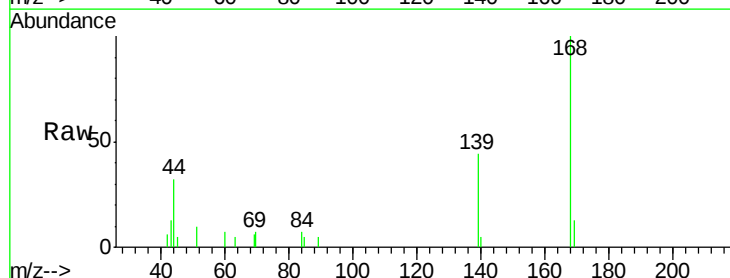


Time-->

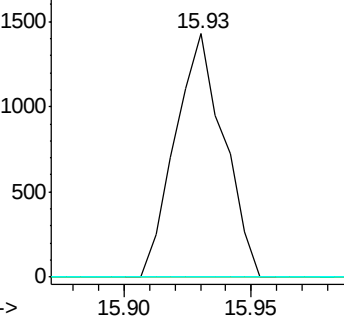


#55
 4-Nitrophenol
 Concen: 7.734 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.24 min
 Lab File: BG032785.D
 Acq: 22 Feb 2018 17:42

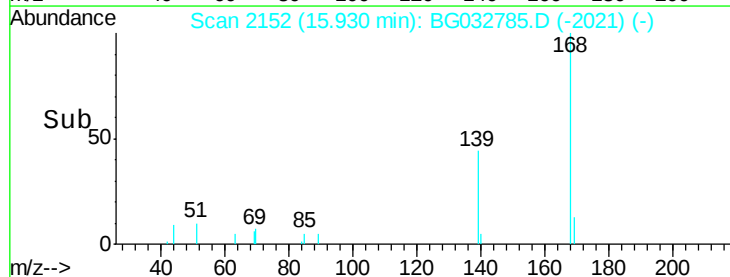
Tgt Ion:139 Resp: 1910
 Ion Ratio Lower Upper
 139 100
 109 0.0 62.2 102.2#
 65 0.0 97.2 137.2#

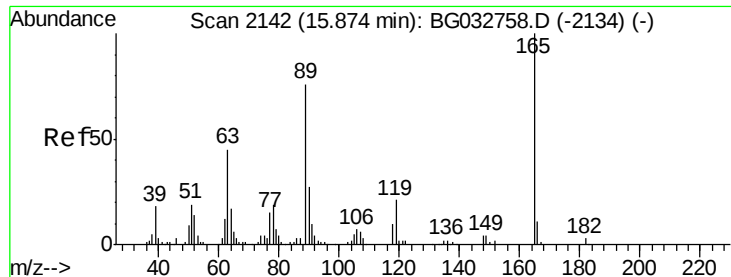


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC



Time-->

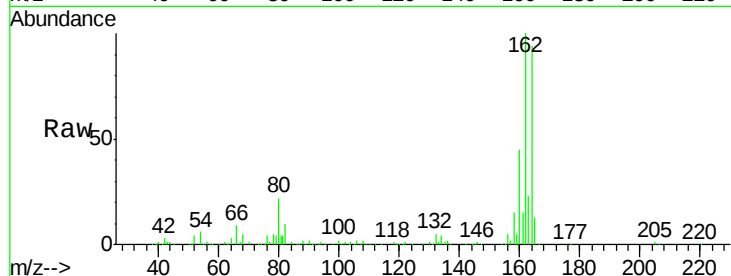




#56
2,4-Dinitrotoluene
Concen: 14.719 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.34 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

Instrument :
BNA_G
ClientSampleId :
RBR200034-RBR20035-RT3425

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	1.1	66.9	100.3#
182	0.0	2.6	3.8#

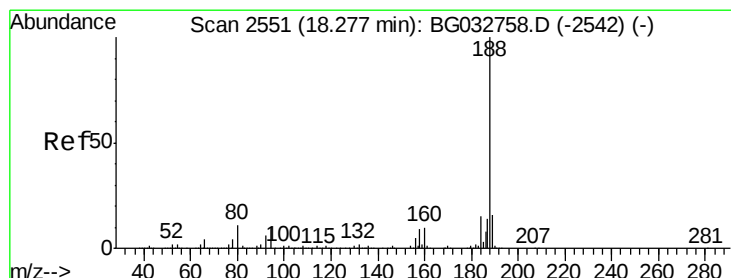
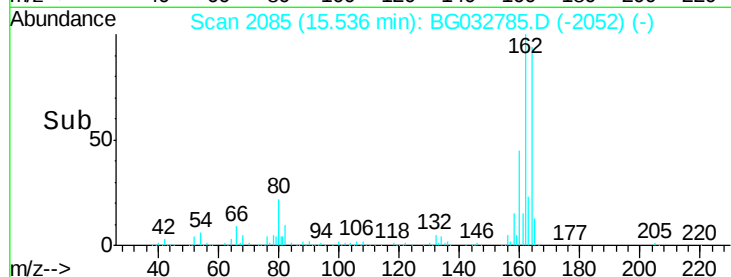
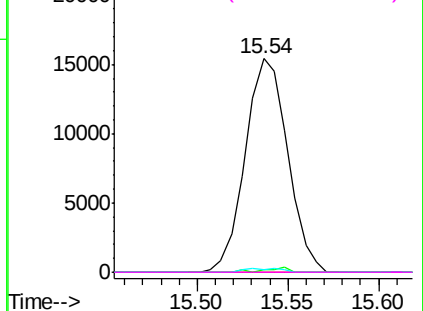


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

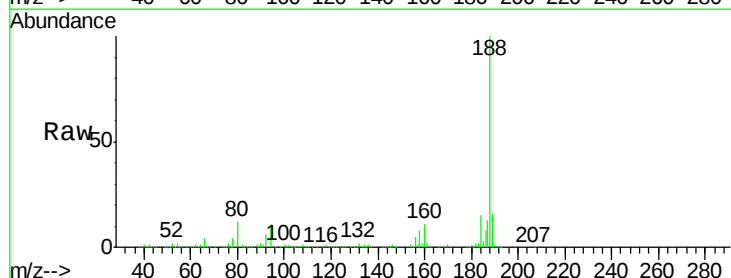
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.27 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BG032785.D
Acq: 22 Feb 2018 17:42

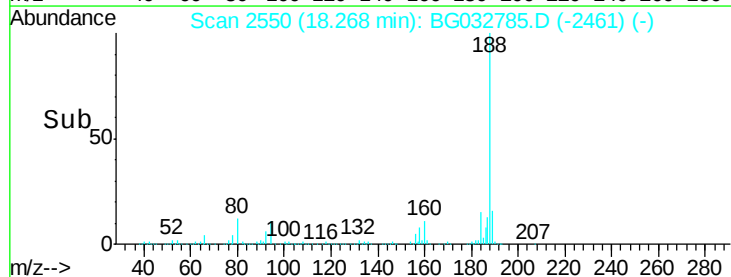
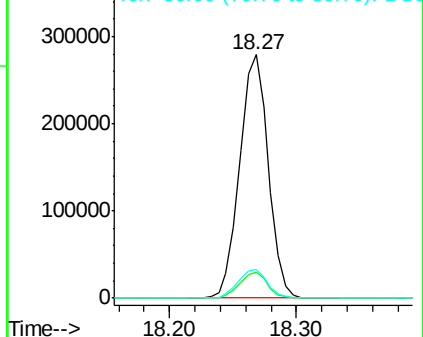
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	6.9	10.3#
80	11.9	7.7	11.5#

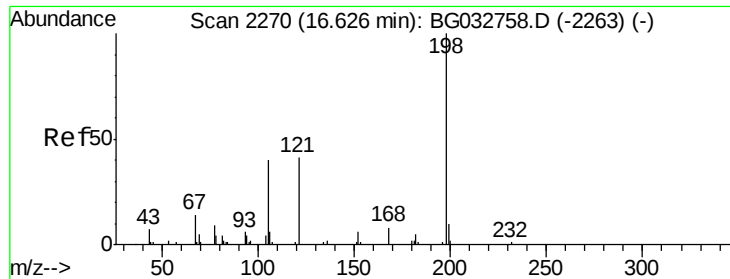


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.812 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.38 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

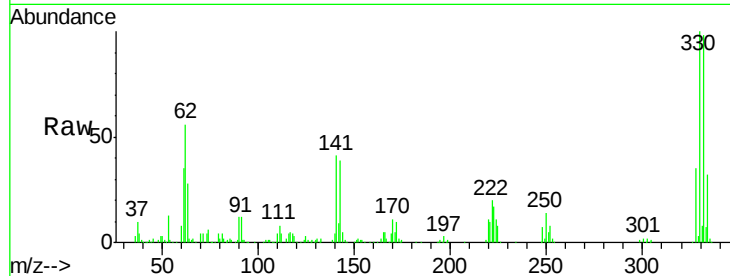
Tot Ion:198 Resp: 884

Ion Ratio Lower Upper

198 100

51 147.7 30.6 70.6#

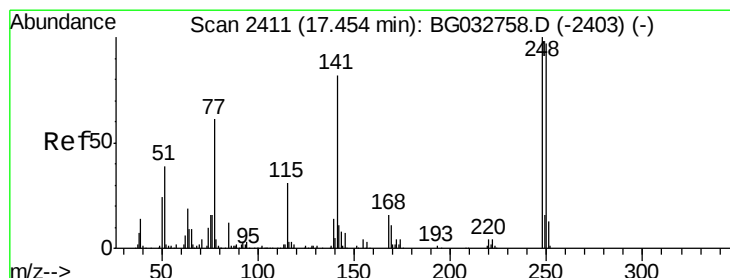
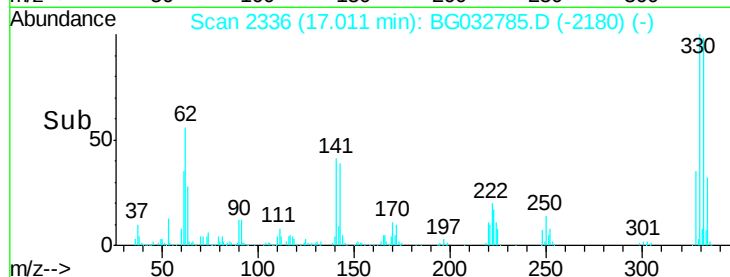
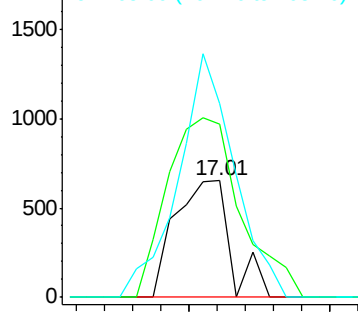
105 166.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.555 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.44 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

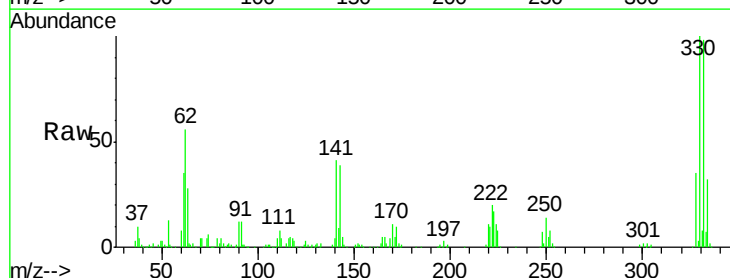
Tgt Ion:248 Resp: 20938

Ion Ratio Lower Upper

248 100

250 197.5 77.1 115.7#

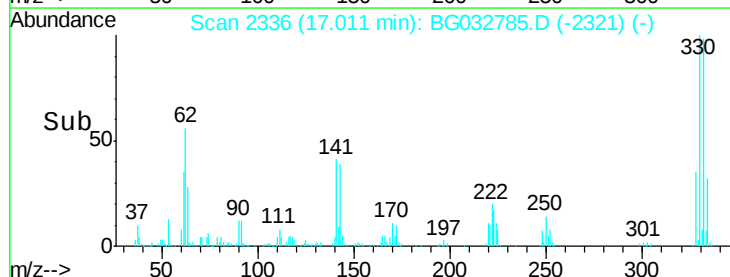
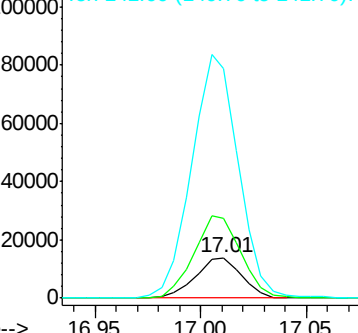
141 564.6 50.8 76.2#

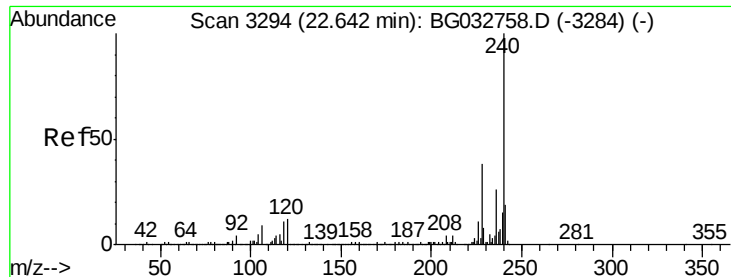


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.63 min Scan# 3292

Delta R.T. -0.01 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

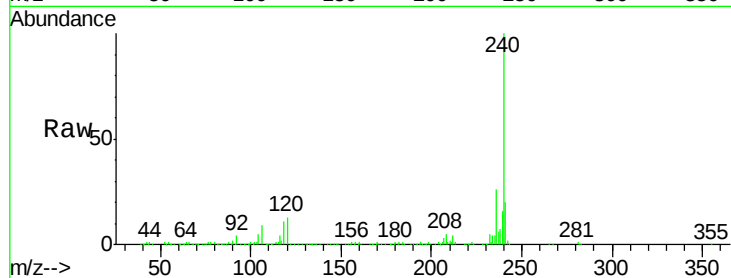
Tot Ion:240 Resp: 403793

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

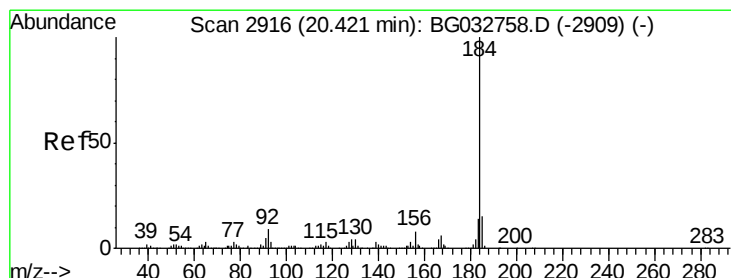
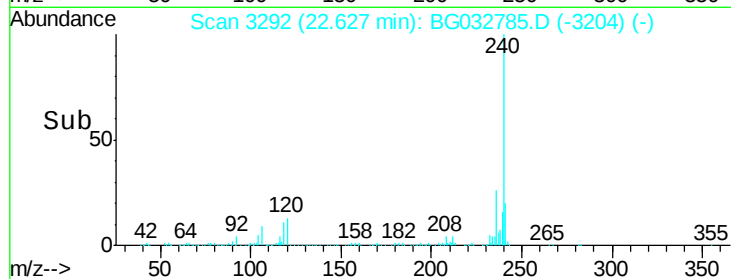
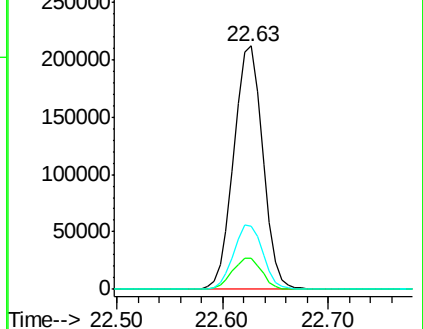
236 25.7 20.9 31.3



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: 2.101 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

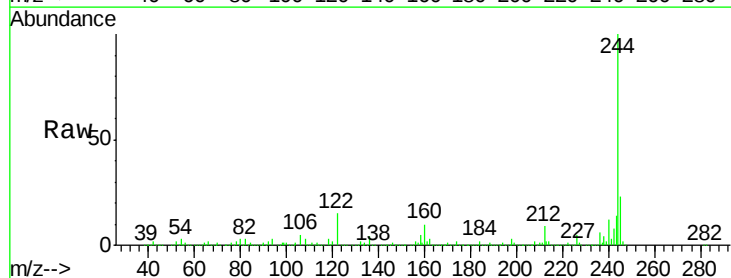
Tgt Ion:184 Resp: 28920

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

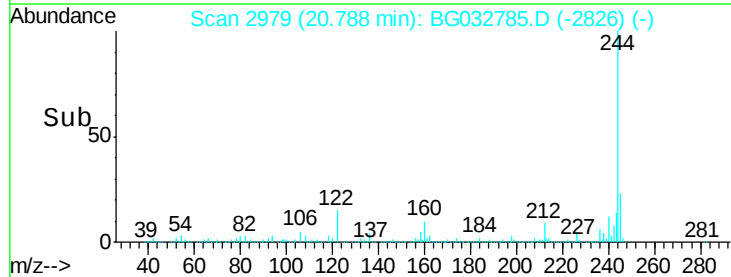
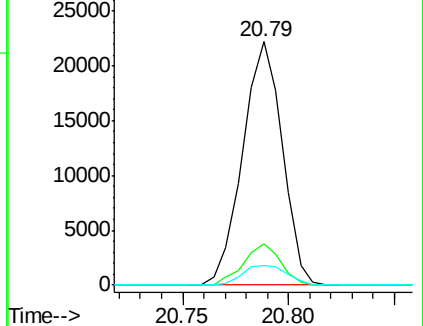
183 8.3 10.6 16.0#

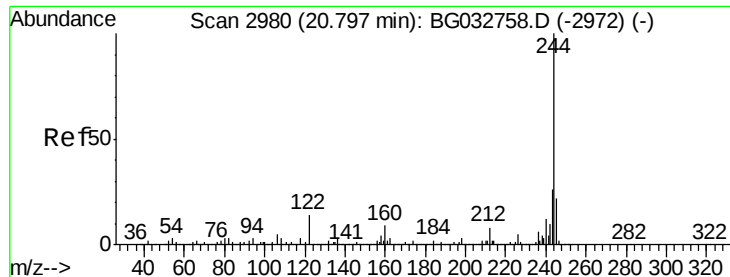


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.530 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

Instrument :

BNA_G

ClientSampleId :

RBR200034-RBR20035-RT3425

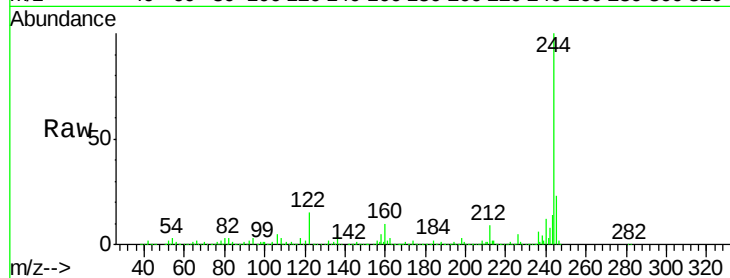
Tot Ion:244 Resp: 1662994

Ion Ratio Lower Upper

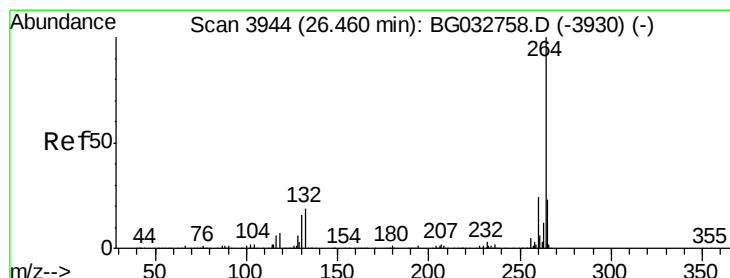
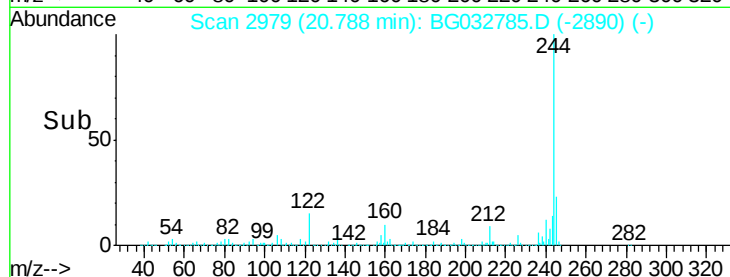
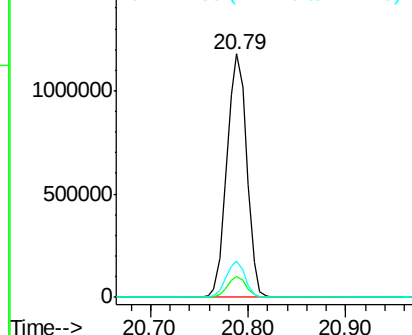
244 100

212 8.6 5.8 8.8

122 14.8 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: 20.000 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BG032785.D

Acq: 22 Feb 2018 17:42

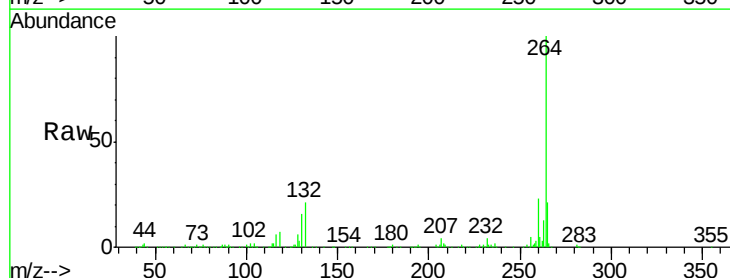
Tgt Ion:264 Resp: 427424

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.1 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

