

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022218\
 Data File : BG032782.D
 Acq On : 22 Feb 2018 15:49
 Operator : SJ/JU
 Sample : J1634-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-72-11931

Quant Time: Feb 22 18:04:13 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	82608	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	348528	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	193056	20.00	ng	-0.01
63) Phenanthrene-d10	18.27	188	439718	20.00	ng	0.00
75) Chrysene-d12	22.63	240	423487	20.00	ng	-0.01
86) Perylene-d12	26.44	264	444752	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	631909	122.38	ng	0.00
7) Phenol-d6	8.02	99	749212	104.10	ng	0.00
23) Nitrobenzene-d5	10.13	82	529466	103.04	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	301025	148.29	ng	0.00
44) 2-Fluorobiphenyl	14.18	172	1177112	87.94	ng	0.00
78) Terphenyl-d14	20.79	244	1719728	91.24	ng	0.00

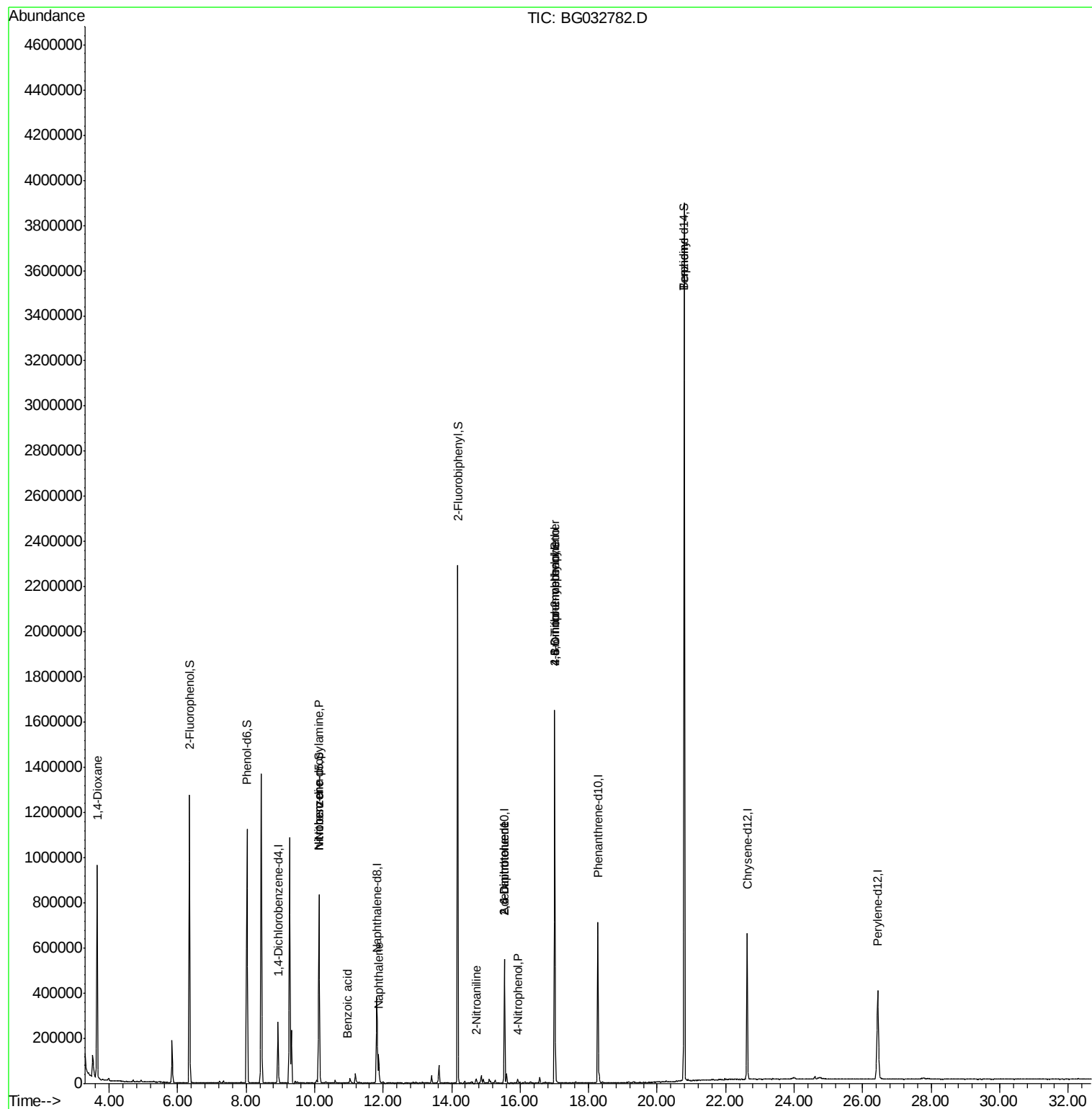
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.65	88	9812	4.379	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	68638	13.509	ng	# 84
24) Nitrobenzene	10.12	77	2285	6.737	ng	# 25
31) Naphthalene	11.87	128	113900	6.254	ng	# 99
32) Benzoic acid	10.95	122	347	5.943	ng	# 69
47) 2-Nitroaniline	14.71	65	60	9.851	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	25581	16.579	ng	# 21
55) 4-Nitrophenol	15.93	139	4109	8.476	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	25581	14.778	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	796	5.718	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	22135	4.761	ng	# 1
76) Benzidine	20.79	184	29298	2.030	ng	# 91

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

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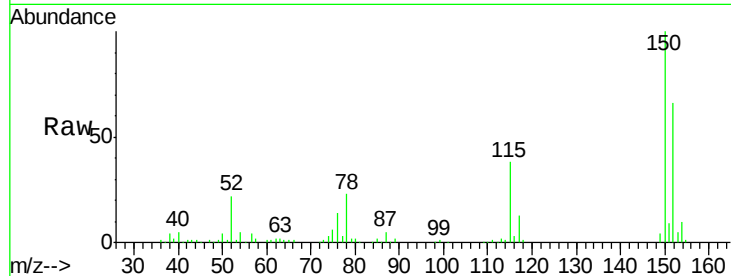


#1

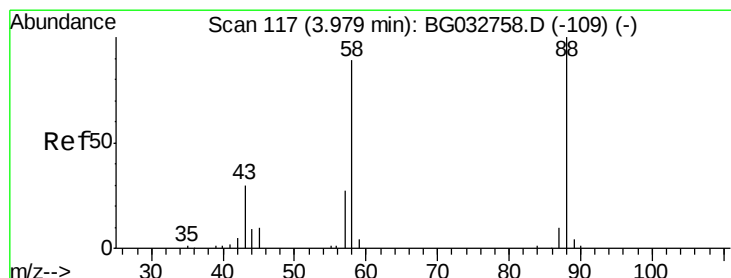
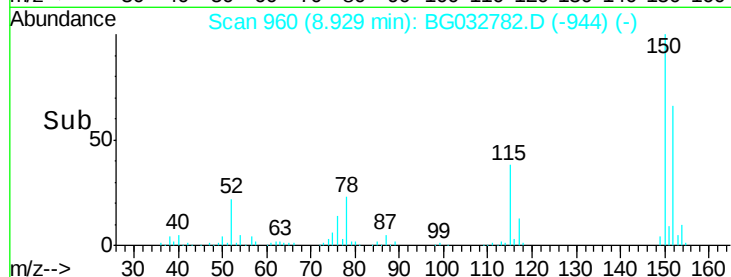
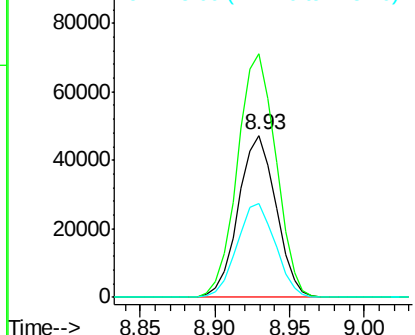
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

Instrument :
BNA_G
ClientSampleId :
RO-72-11931

Tot Ion:152 Resp: 82608
Ion Ratio Lower Upper
152 100
150 150.4 126.6 189.8
115 57.8 53.0 79.4



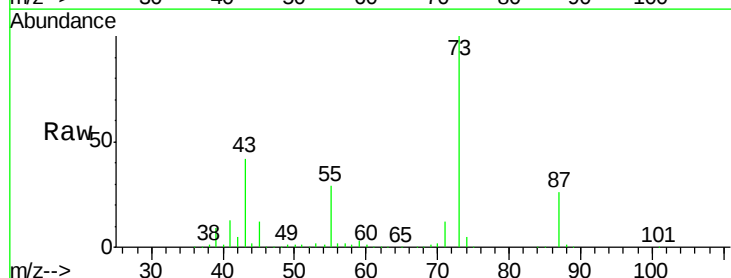
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



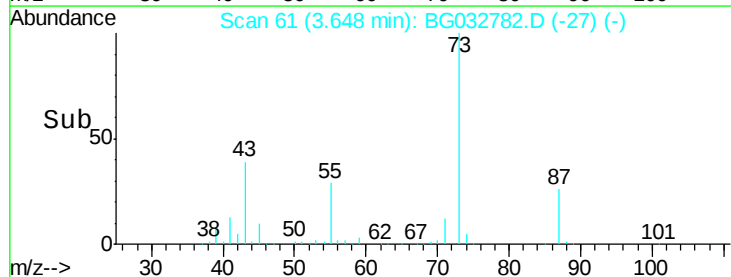
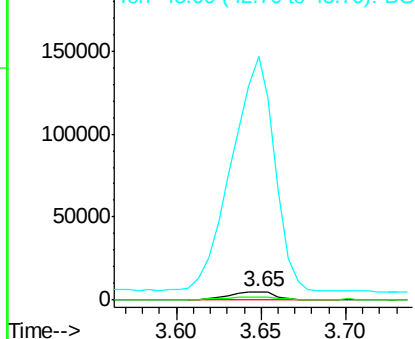
#2

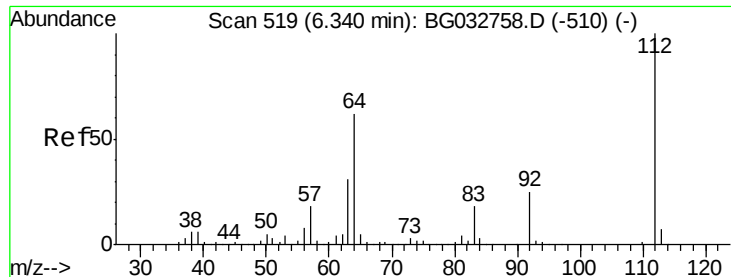
1,4-Dioxane
Concen: 4.379 ng
RT: 3.65 min Scan# 61
Delta R.T. -0.33 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

Tgt Ion: 88 Resp: 9812
Ion Ratio Lower Upper
88 100
58 35.4 79.6 119.4#
43 2630.4 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 122.381 ng

RT: 6.34 min Scan# 520

Delta R.T. 0.00 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

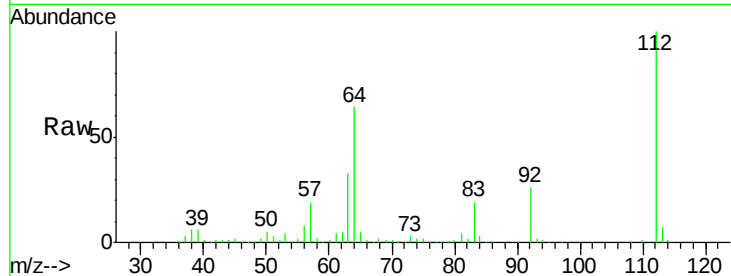
Tot Ion:112 Resp: 631909

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

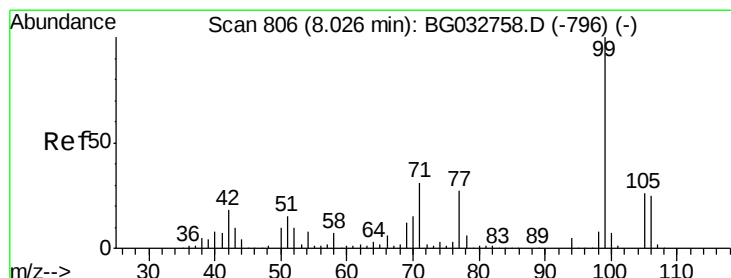
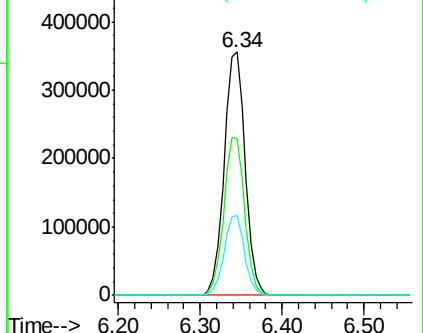
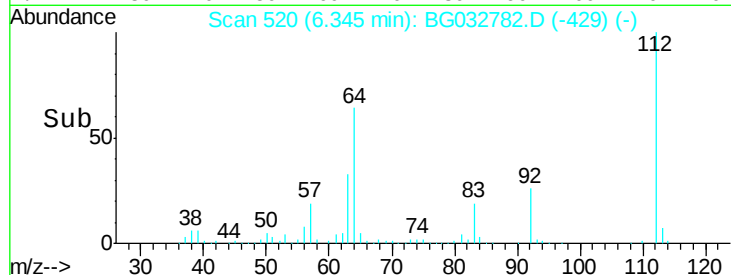
63 32.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 104.098 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

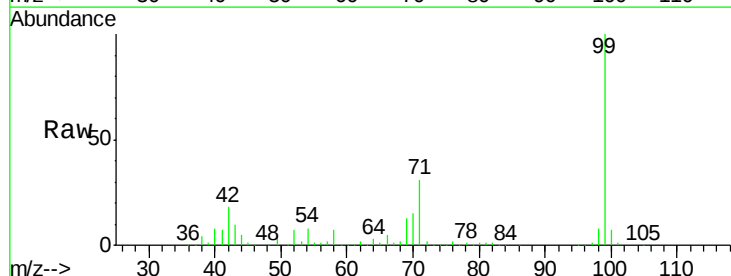
Tgt Ion: 99 Resp: 749212

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

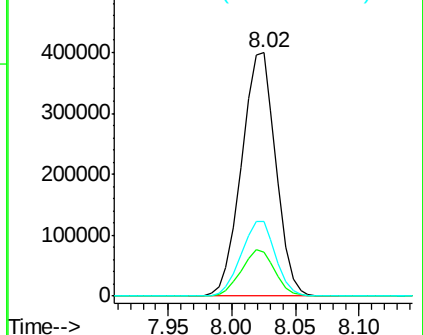
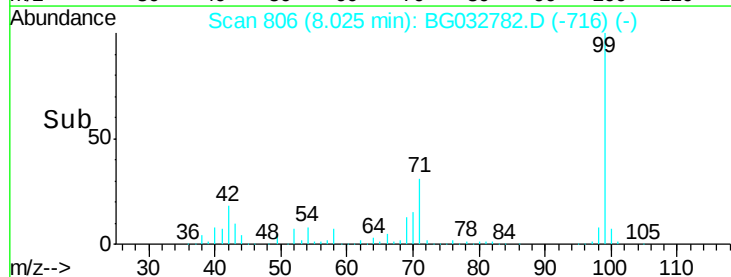
71 30.8 26.1 39.1

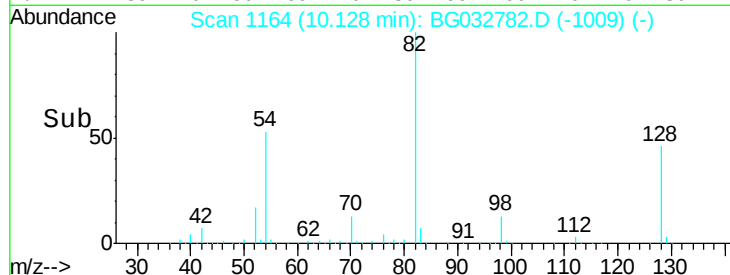
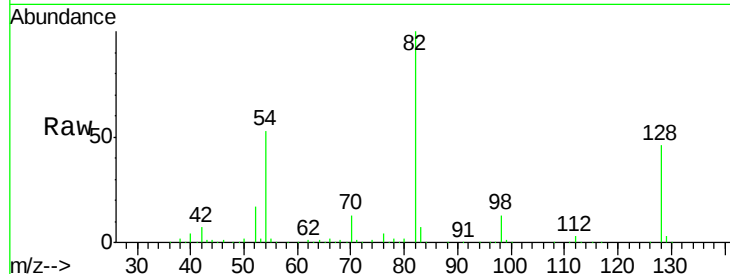
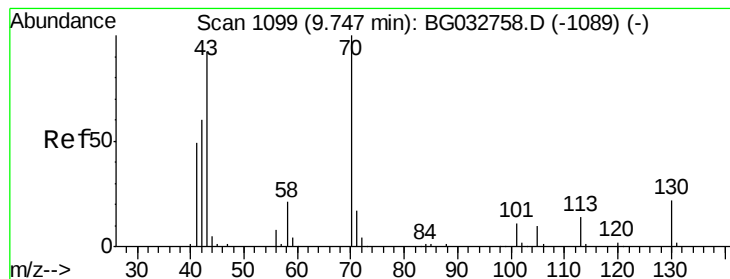


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 13.509 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

Tot Ion: 70 Resp: 68638

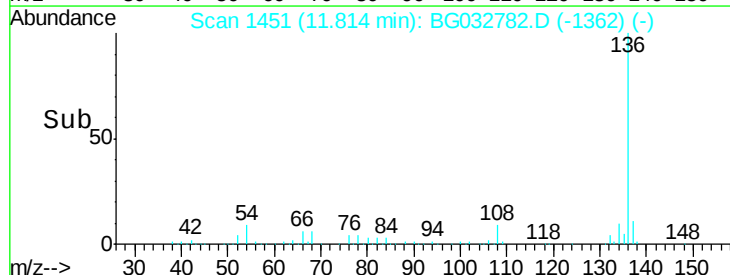
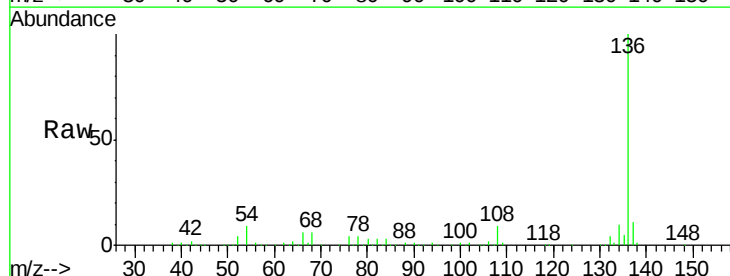
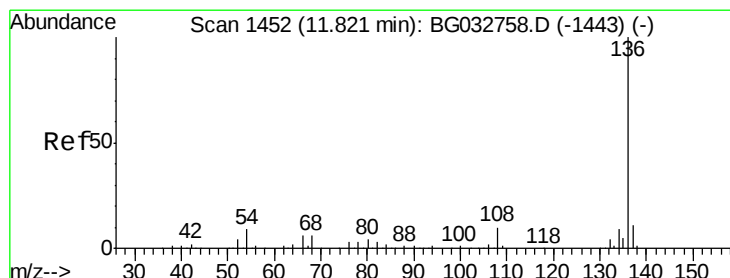
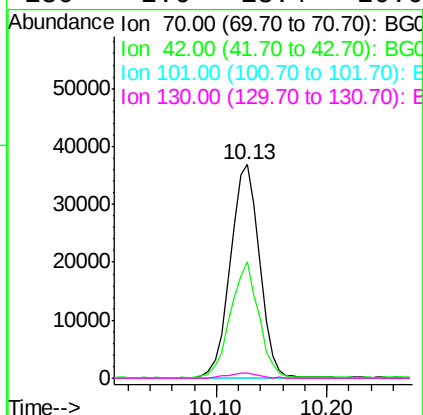
Ion Ratio Lower Upper

70 100

42 54.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.81 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Tgt Ion: 136 Resp: 348528

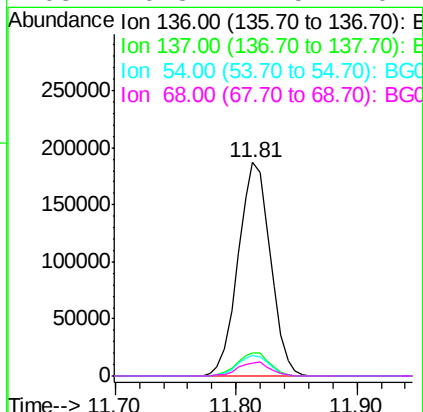
Ion Ratio Lower Upper

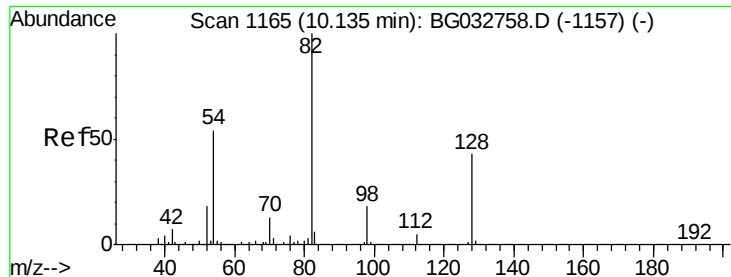
136 100

137 10.8 9.2 13.8

54 9.4 10.3 15.5#

68 6.3 4.5 6.7





#23

Nitrobenzene-d5

Concen: 103.040 ng

RT: 10.13 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

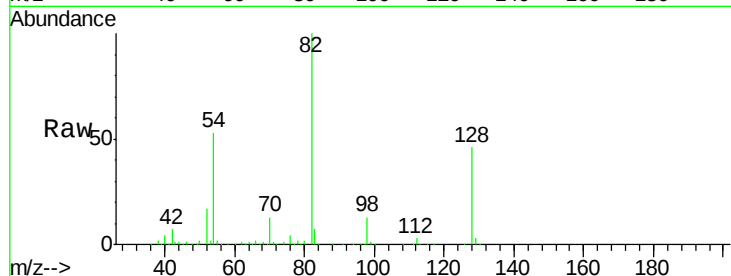
Tot Ion: 82 Resp: 529466

Ion Ratio Lower Upper

82 100

128 46.1 29.7 44.5#

54 53.4 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

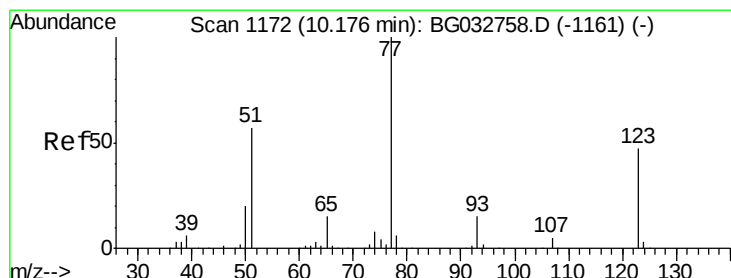
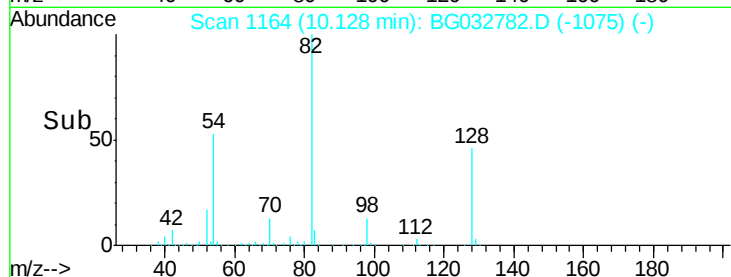
10.13

200000

100000

0

Time-->



#24

Nitrobenzene

Concen: 6.737 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

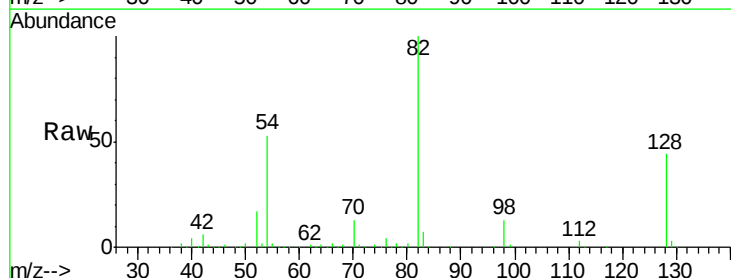
Tgt Ion: 77 Resp: 2285

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 57.9 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

10.12

1000

800

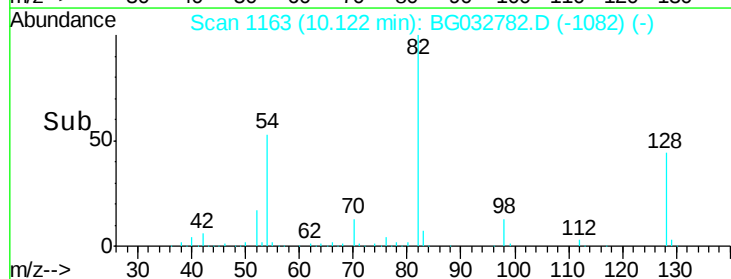
600

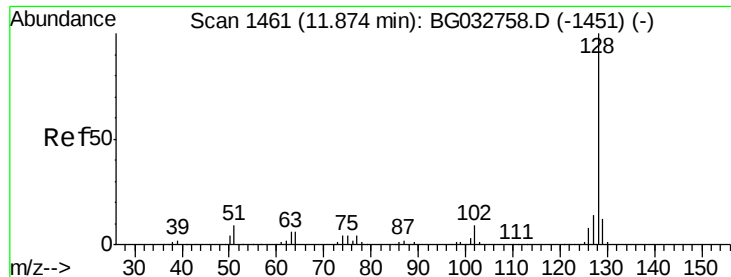
400

200

0

Time-->

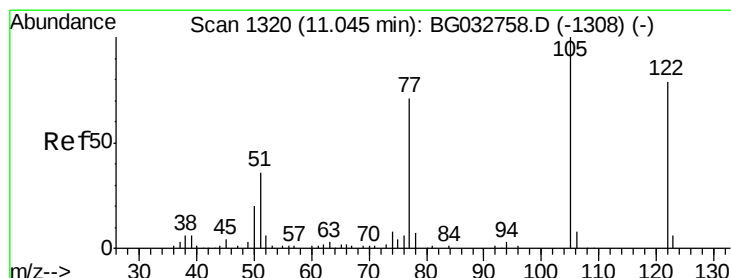
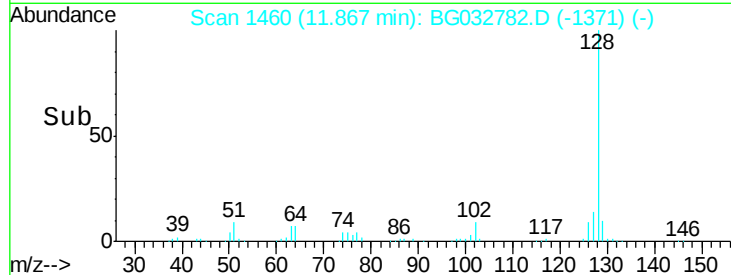
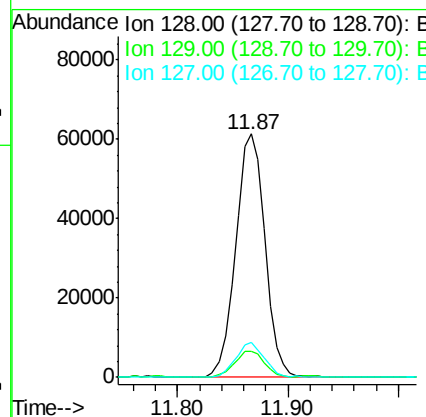
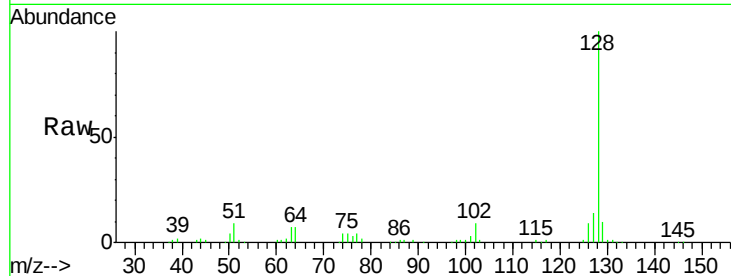




#31
Naphthalene
Concen: 6.254 ng
RT: 11.87 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

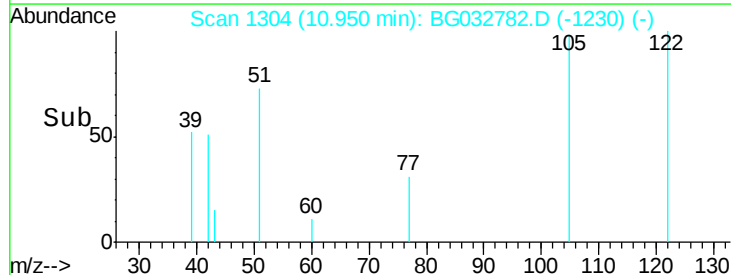
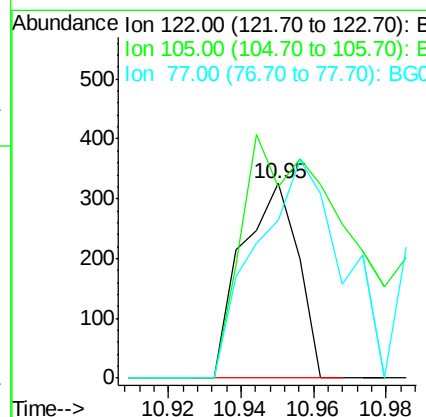
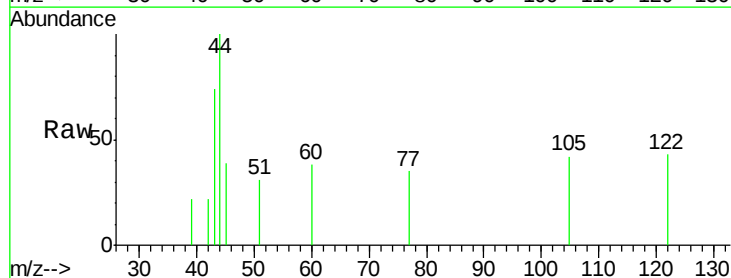
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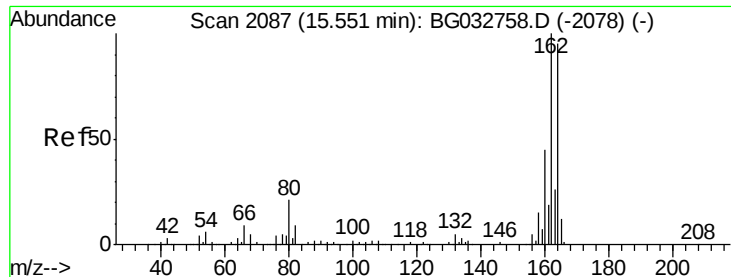
Tot Ion:128 Resp: 113900
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.2 11.6 17.4



#32
Benzoic acid
Concen: 5.943 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.09 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

Tgt Ion:122 Resp: 347
Ion Ratio Lower Upper
122 100
105 97.9 123.5 163.5#
77 81.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

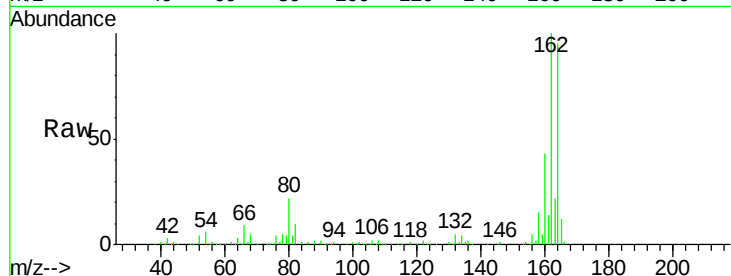
Tot Ion:164 Resp: 193056

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

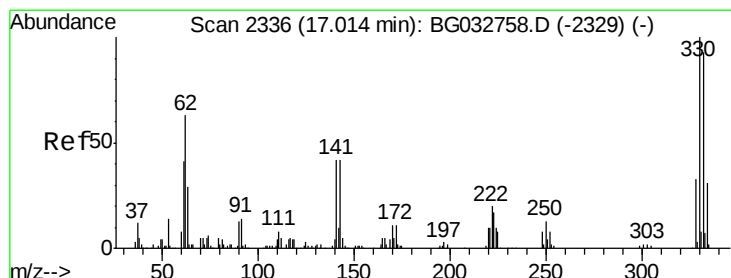
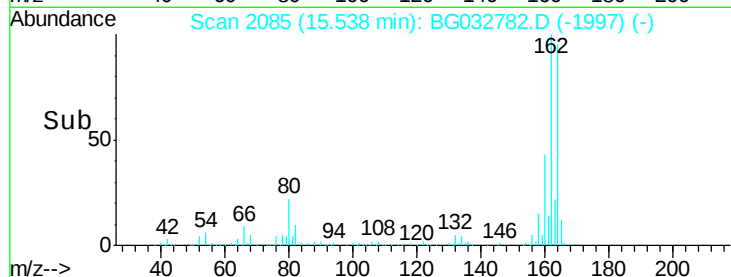
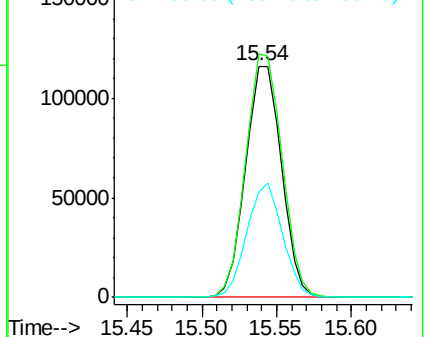
160 45.7 35.4 53.0



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: 148.294 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

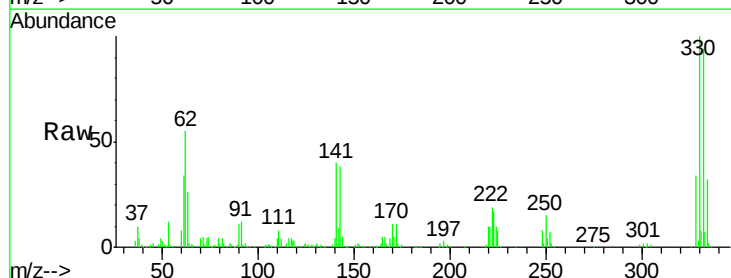
Tgt Ion:330 Resp: 301025

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

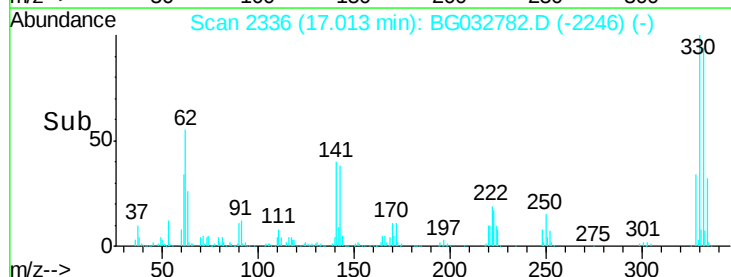
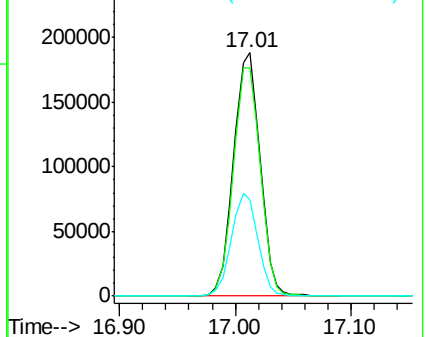
141 42.1 25.2 37.8#

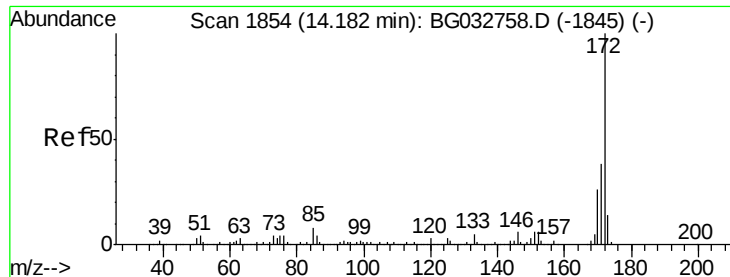


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

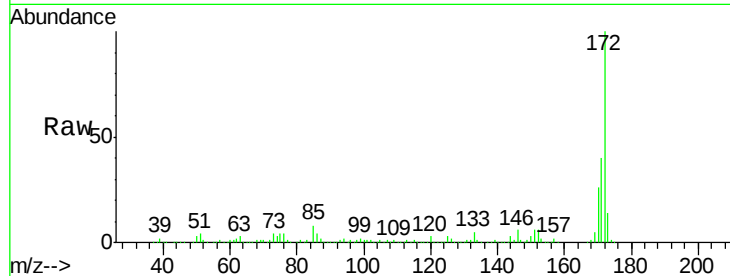




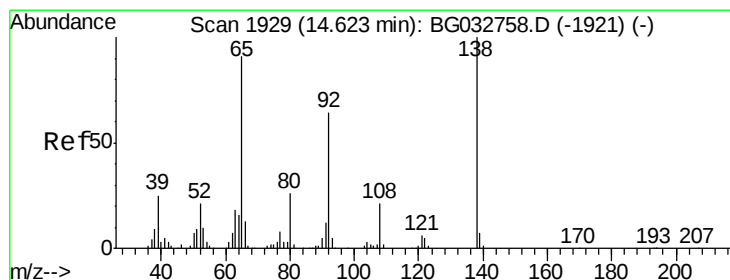
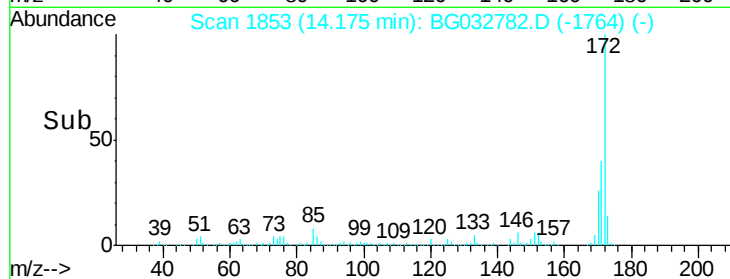
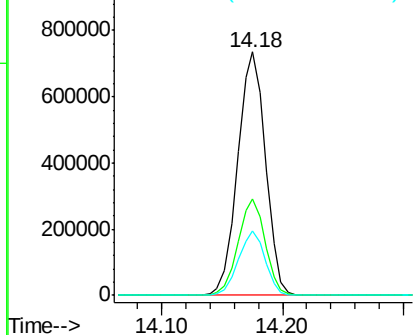
#44
2-Fluorobiphenyl
Concen: 87.938 ng
RT: 14.18 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

Instrument :
BNA_G
ClientSampleId :
RO-72-11931

Tot Ion:172 Resp: 1177112
Ion Ratio Lower Upper
172 100
171 39.8 30.0 45.0
170 26.2 19.5 29.3

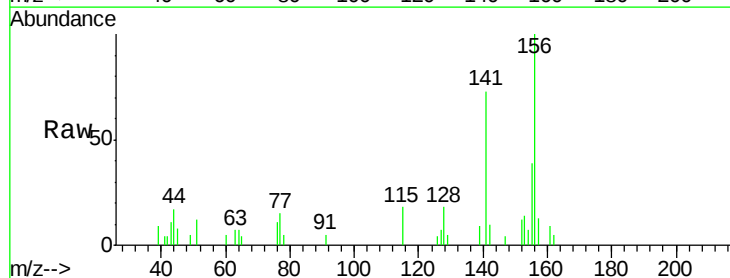


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

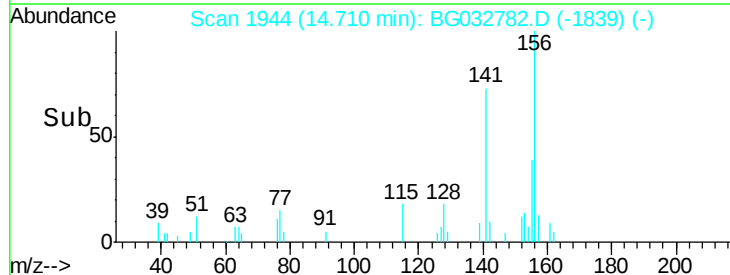
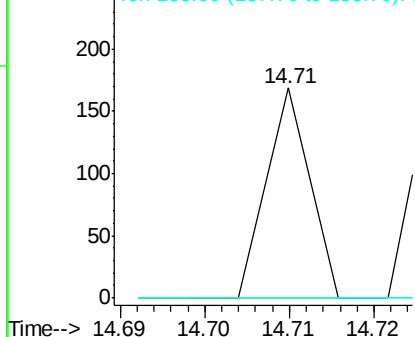


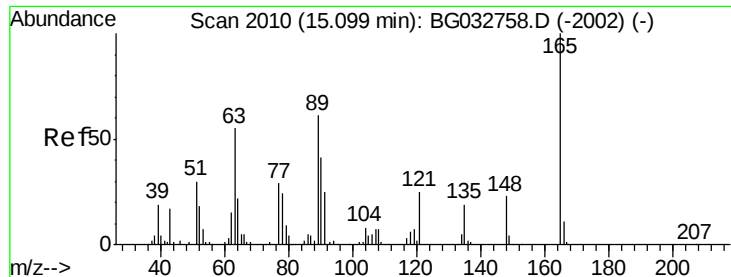
#47
2-Nitroaniline
Concen: 9.851 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.09 min
Lab File: BG032782.D
Acq: 22 Feb 2018 15:49

Tgt Ion: 65 Resp: 60
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

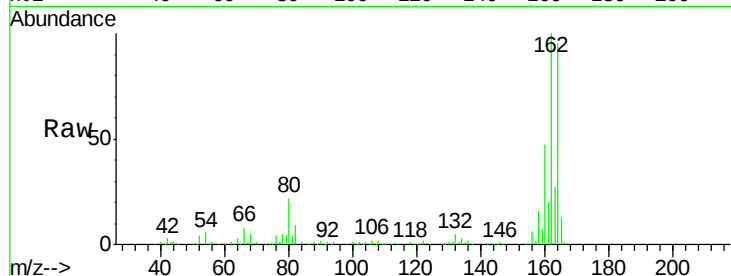




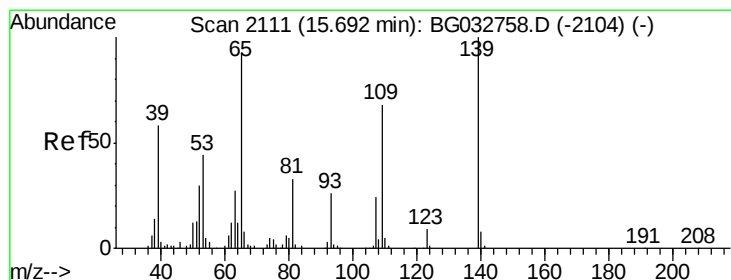
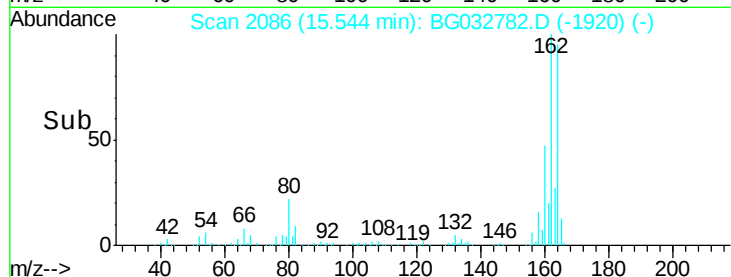
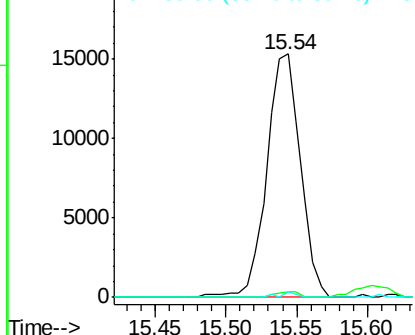
#50
 2,6-Dinitrotoluene
 Concen: 16.579 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. 0.45 min
 Lab File: BG032782.D
 Acq: 22 Feb 2018 15:49

Instrument :
 BNA_G
 ClientSampleId :
 RO-72-11931

Tot Ion:165 Resp: 25581
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 2.1 49.2 73.8#

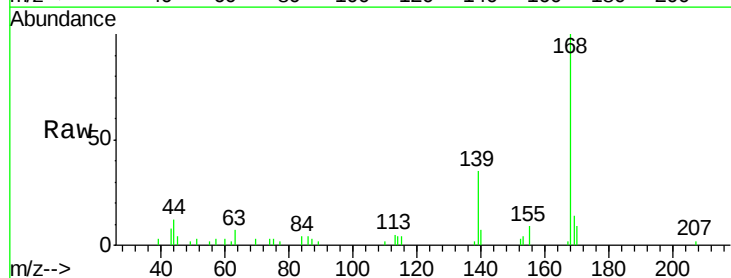


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

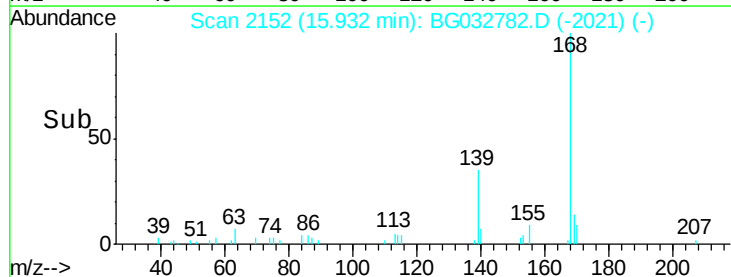
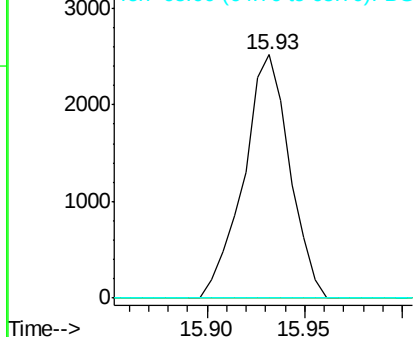


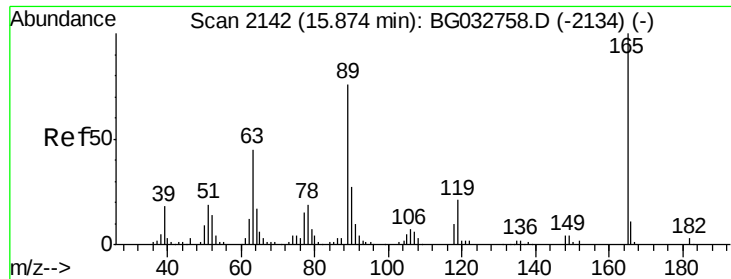
#55
 4-Nitrophenol
 Concen: 8.476 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.24 min
 Lab File: BG032782.D
 Acq: 22 Feb 2018 15:49

Tgt Ion:139 Resp: 4109
 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

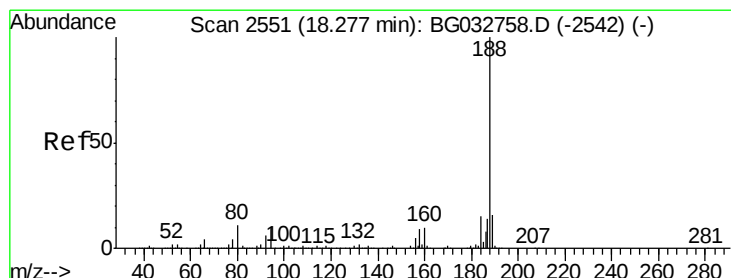
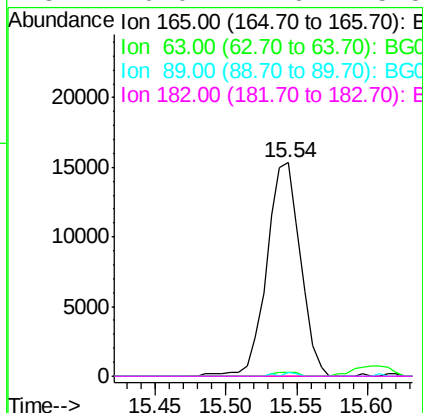
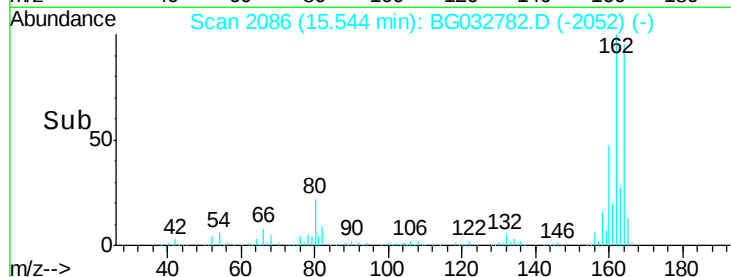
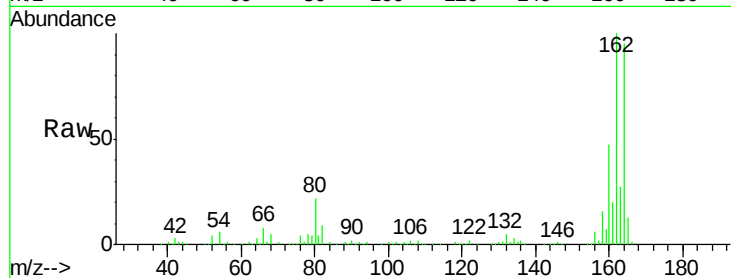




#56
 2,4-Dinitrotoluene
 Concen: 14.778 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.33 min
 Lab File: BG032782.D
 Acq: 22 Feb 2018 15:49

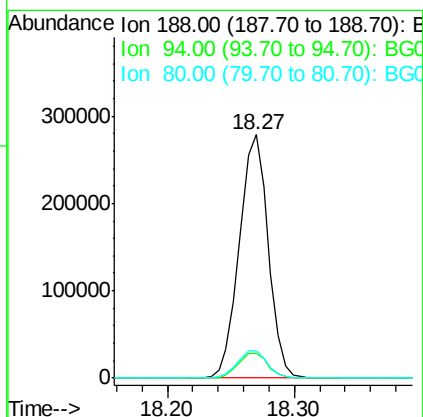
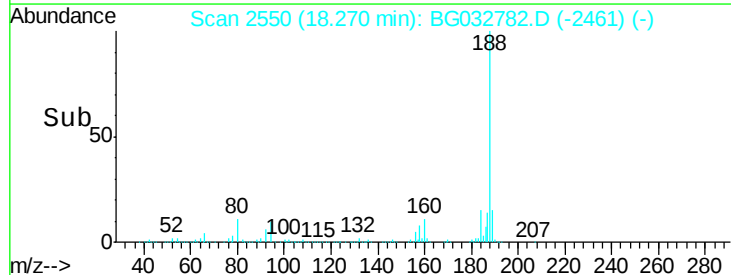
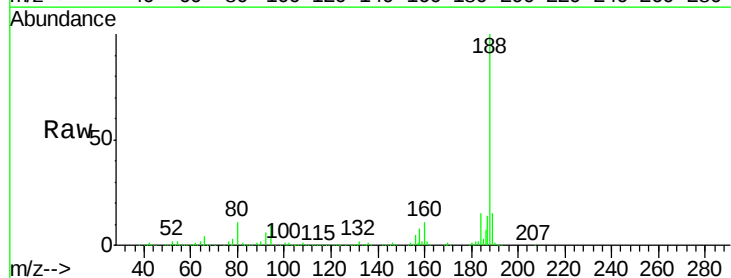
Instrument :
 BNA_G
 ClientSampleId :
 RO-72-11931

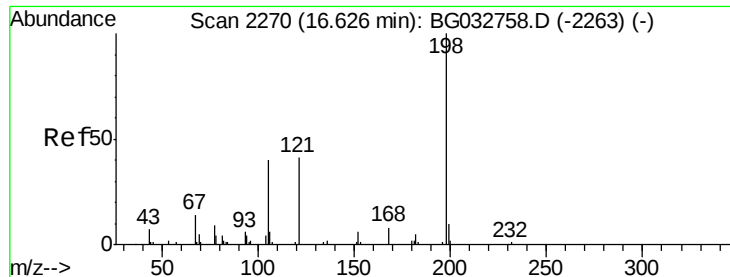
Tot Ion:165	Resp:	25581
Ion Ratio	Lower	Upper
165	100	
63	2.1	42.0 63.0#
89	2.1	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.27 min Scan# 2550
 Delta R.T. -0.01 min
 Lab File: BG032782.D
 Acq: 22 Feb 2018 15:49

Tgt Ion:188	Resp:	439718
Ion Ratio	Lower	Upper
188	100	
94	10.4	6.9 10.3#
80	11.1	7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.718 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.37 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

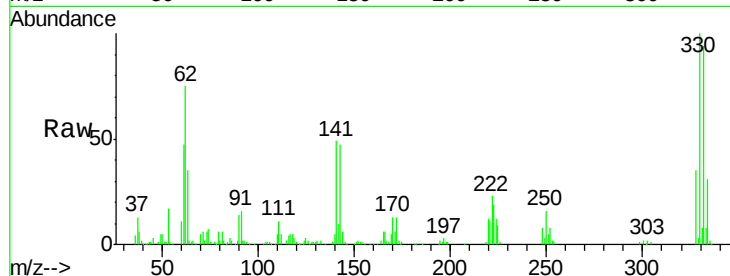
Tot Ion:198 Resp: 796

Ion Ratio Lower Upper

198 100

51 138.5 30.6 70.6#

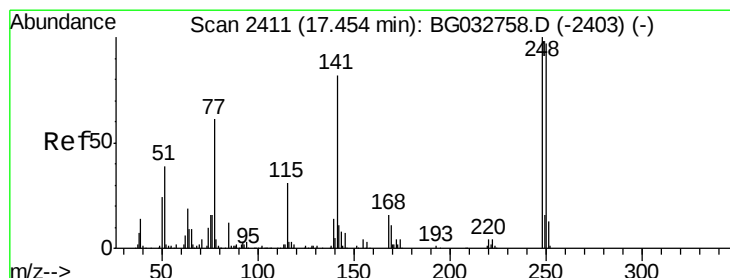
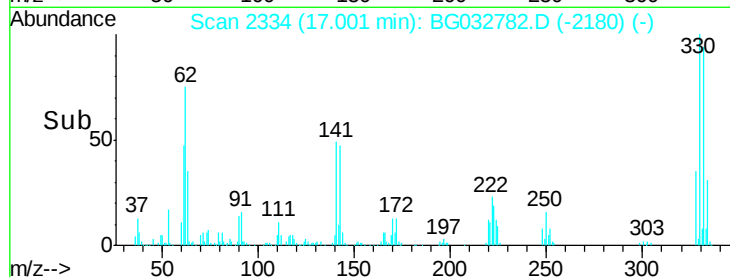
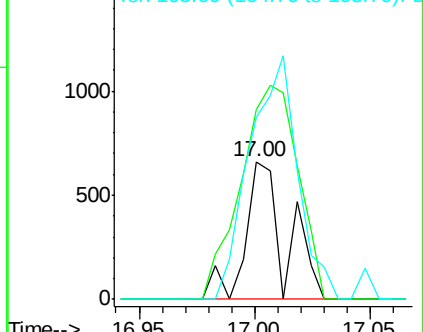
105 132.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.761 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.44 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

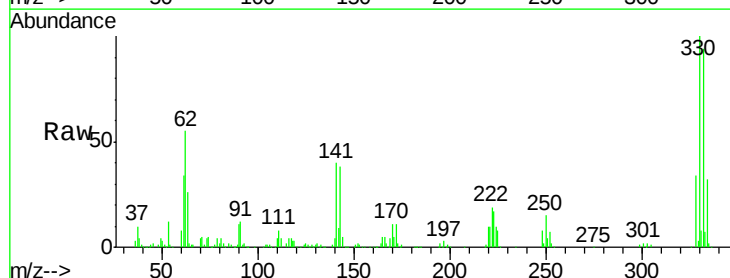
Tgt Ion:248 Resp: 22135

Ion Ratio Lower Upper

248 100

250 190.5 77.1 115.7#

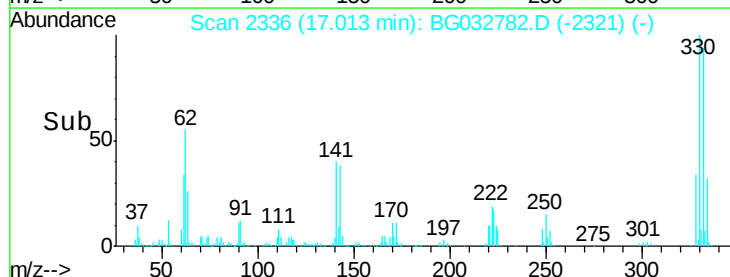
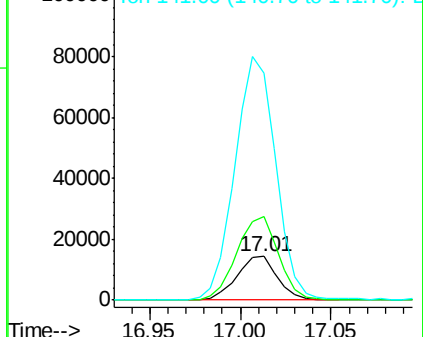
141 519.6 50.8 76.2#

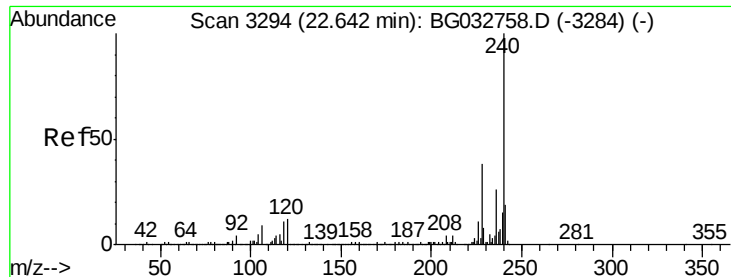


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

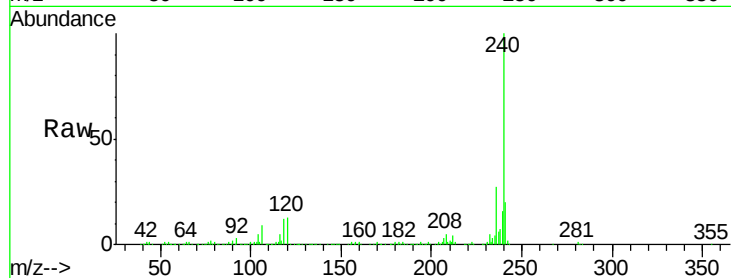
Tot Ion:240 Resp: 423487

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

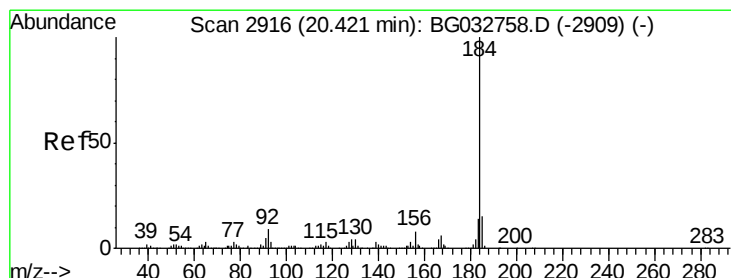
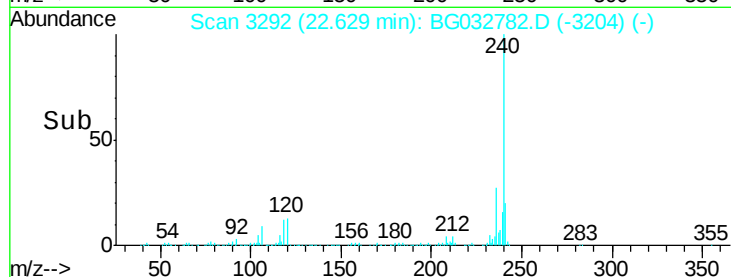
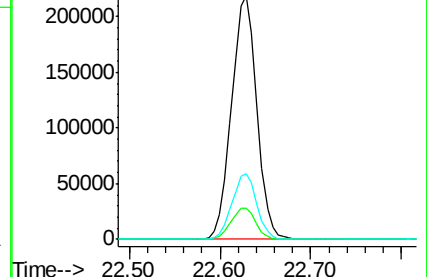
236 27.1 20.9 31.3



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: 2.030 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

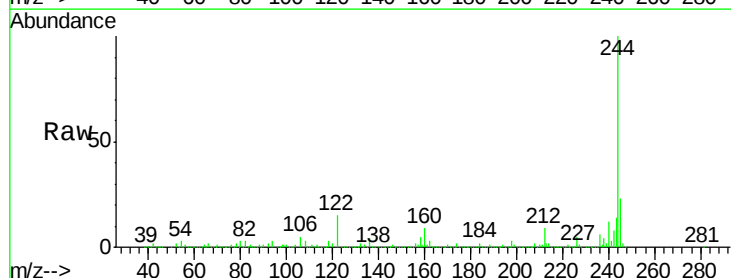
Tgt Ion:184 Resp: 29298

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

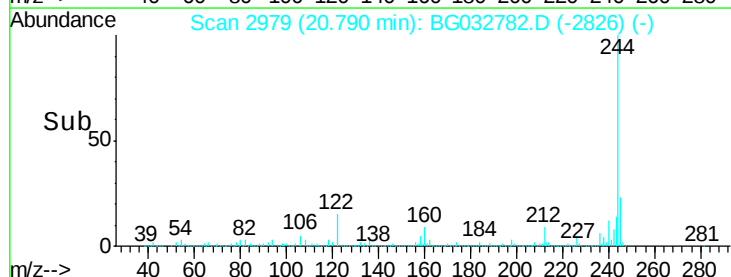
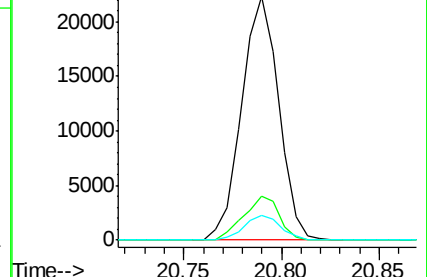
183 10.0 10.6 16.0#

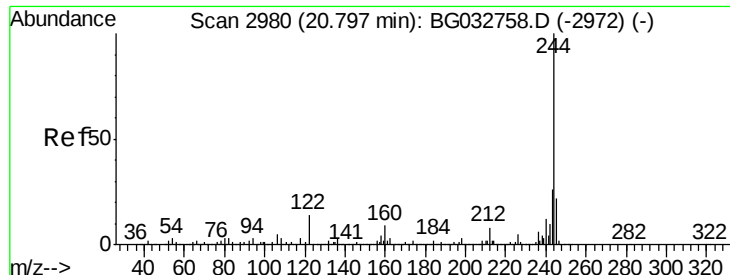


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.237 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032782.D

Acq: 22 Feb 2018 15:49

Instrument :

BNA_G

ClientSampleId :

RO-72-11931

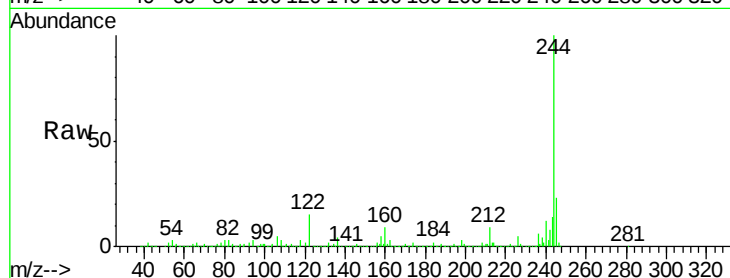
Tot Ion:244 Resp: 1719728

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

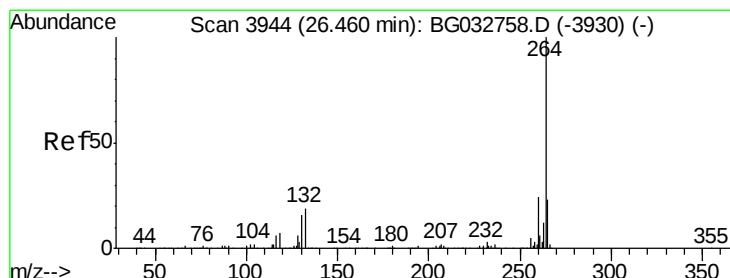
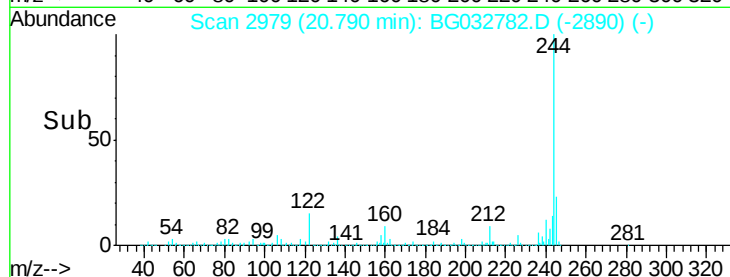
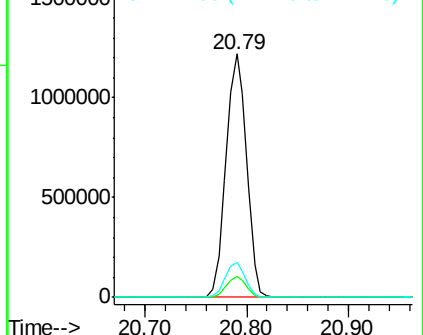
122 14.5 7.0 10.4#



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: BG032782.D

Acq: 22 Feb 2018 15:49

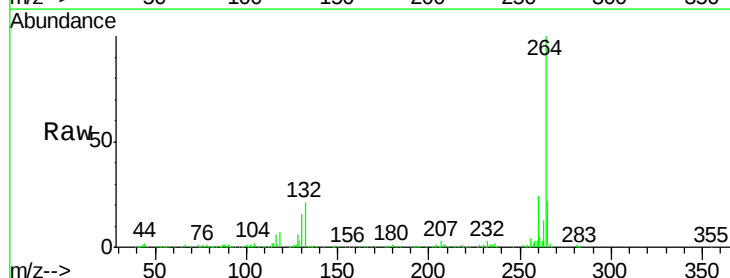
Tgt Ion:264 Resp: 444752

Ion Ratio Lower Upper

264 100

260 24.4 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

