

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032899.D
 Acq On : 28 Feb 2018 22:21
 Operator : SJ/JU
 Sample : J1699-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:29:02 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78845	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	337527	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	193889	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	413493	20.00	ng	0.00
75) Chrysene-d12	22.62	240	380254	20.00	ng	-0.01
86) Perylene-d12	26.45	264	372874	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	661270	134.18	ng	0.00
7) Phenol-d6	8.02	99	794713	115.69	ng	0.00
23) Nitrobenzene-d5	10.12	82	567362	112.96	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	294579	144.50	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1199645	89.24	ng	0.00
78) Terphenyl-d14	20.78	244	1649563	97.46	ng	0.00

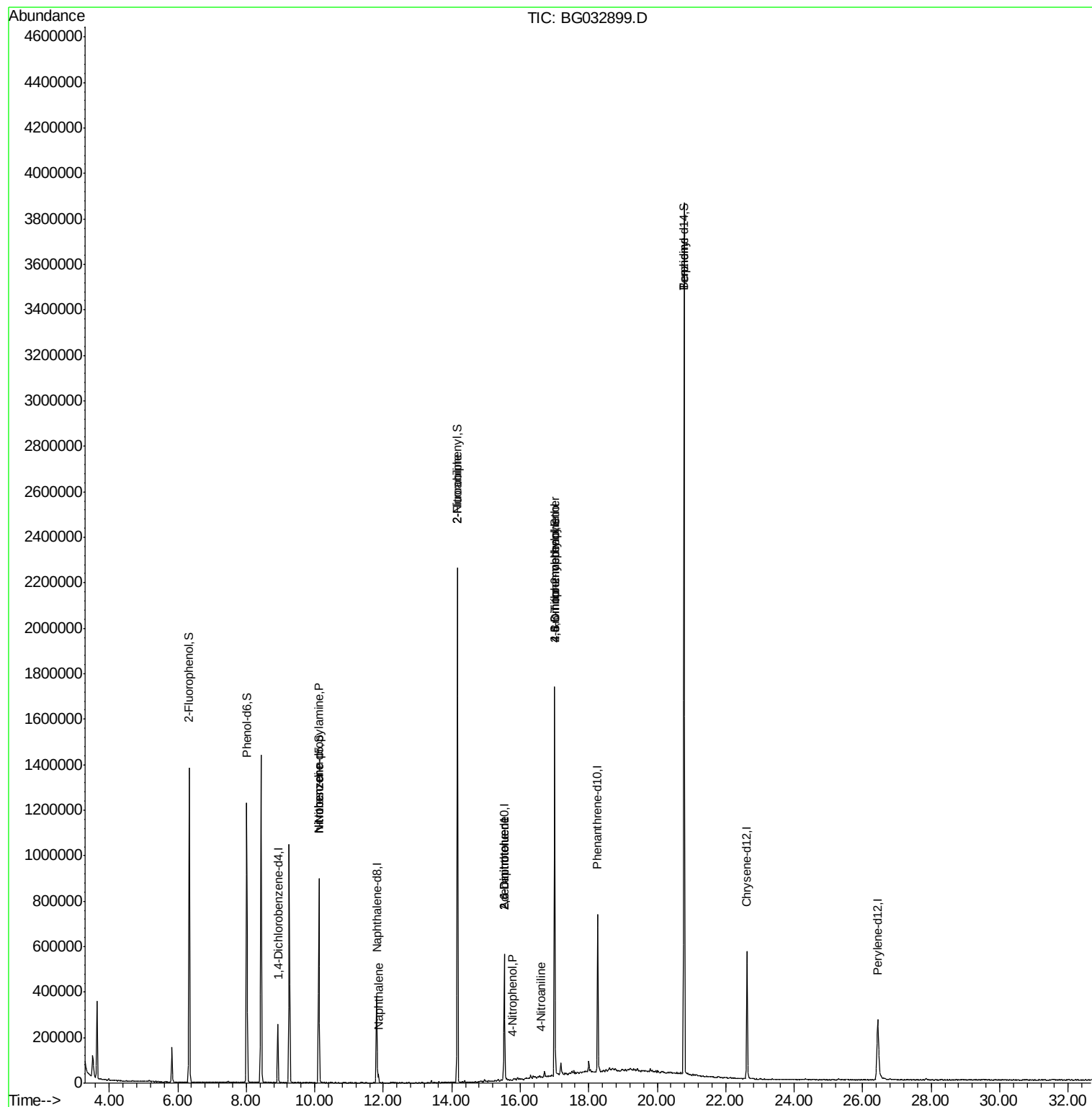
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	72358	14.921	ng	# 81
24) Nitrobenzene	10.12	77	1626	6.642	ng	# 40
31) Naphthalene	11.86	128	35473	2.011	ng	# 94
47) 2-Nitroaniline	14.17	65	2396	10.433	ng	# 4
50) 2,6-Dinitrotoluene	15.53	165	26038	16.682	ng	# 20
55) 4-Nitrophenol	15.75	139	54	7.099	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	26038	14.882	ng	# 18
61) 4-Nitroaniline	16.61	138	58	5.314	ng	# 21
64) 4,6-Dinitro-2-methylphenol	17.00	198	785	5.755	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	21217	4.853	ng	# 1
76) Benzidine	20.78	184	29964	2.312	ng	# 93

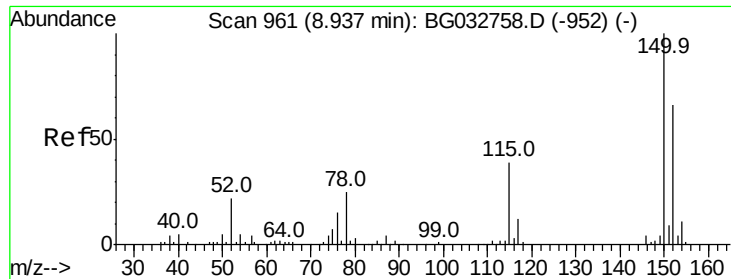
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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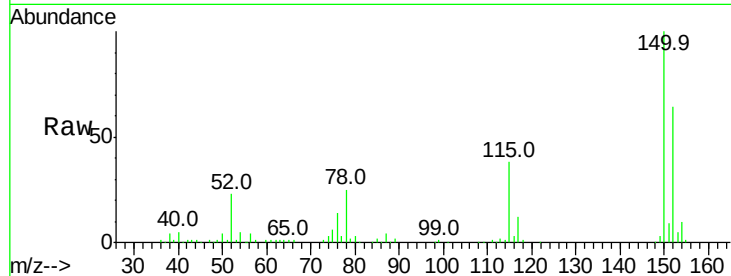


#1

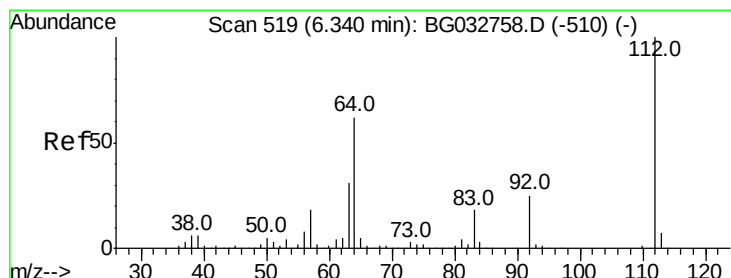
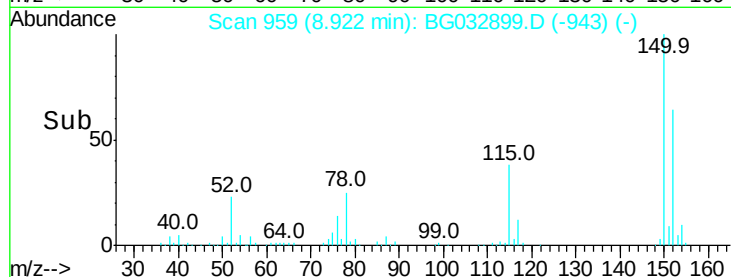
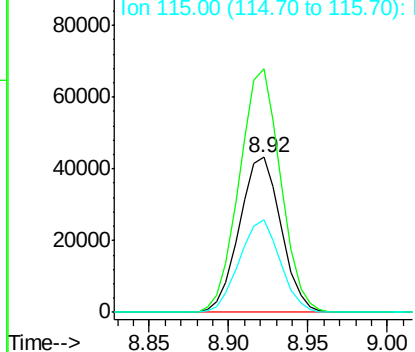
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 78845
Ion Ratio Lower Upper
152 100
150 157.1 126.6 189.8
115 59.4 53.0 79.4



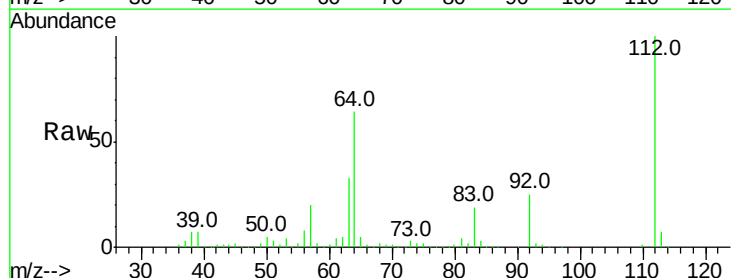
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



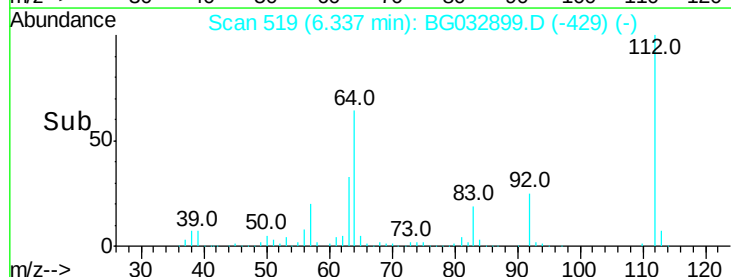
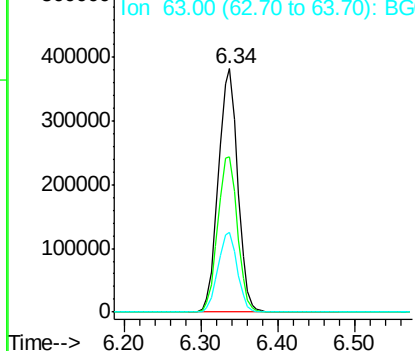
#5

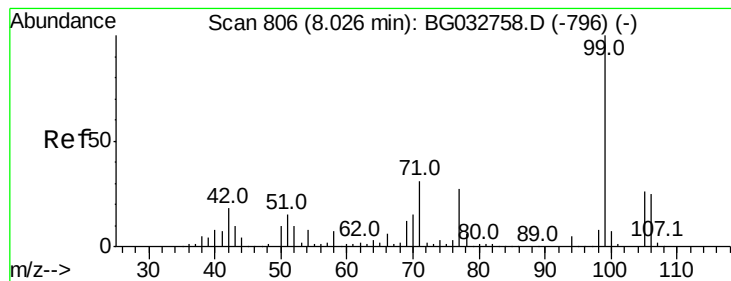
2-Fluorophenol
Concen: 134.179 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Tgt Ion:112 Resp: 661270
Ion Ratio Lower Upper
112 100
64 63.7 56.3 84.5
63 32.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.690 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampled :

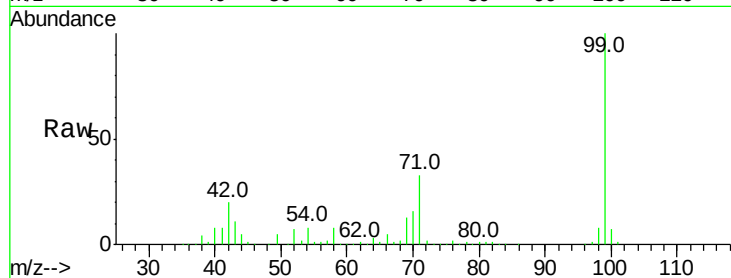
Tot Ion: 99 Resp: 794713

Ion Ratio Lower Upper

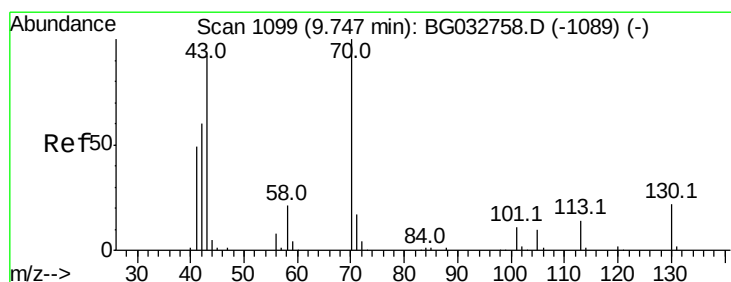
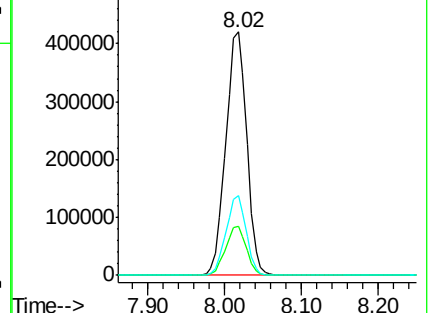
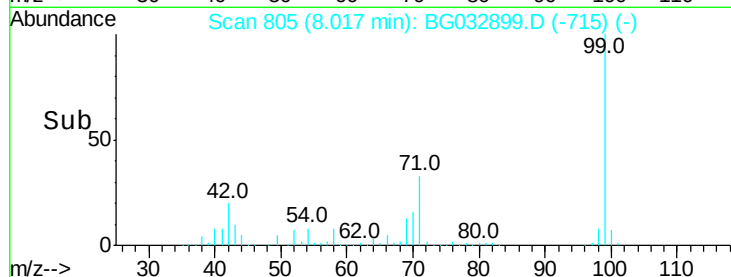
99 100

42 19.9 14.1 21.1

71 32.7 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.921 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Tgt Ion: 70 Resp: 72358

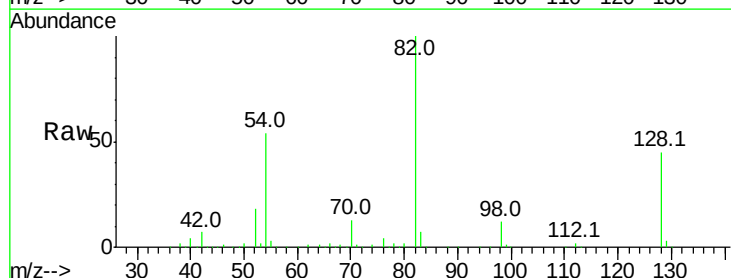
Ion Ratio Lower Upper

70 100

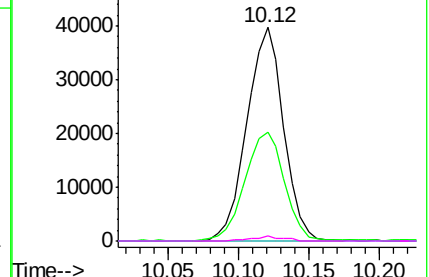
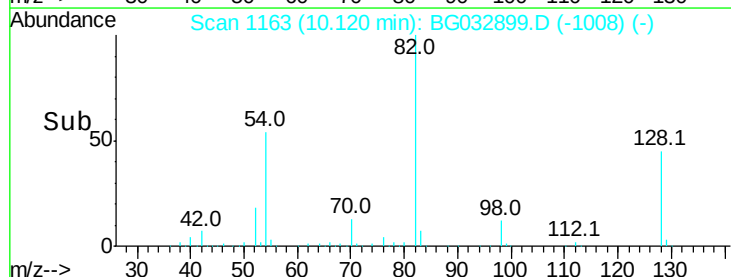
42 51.1 49.1 73.7

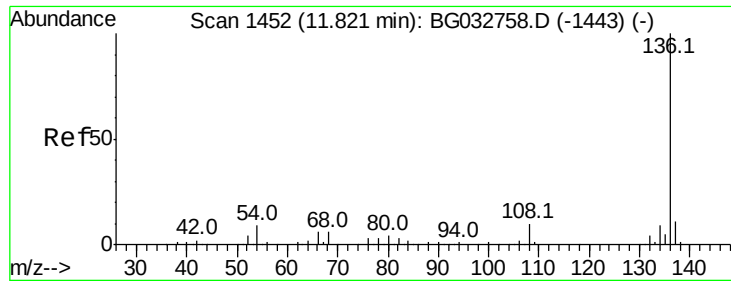
101 0.0 8.5 12.7#

130 2.3 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

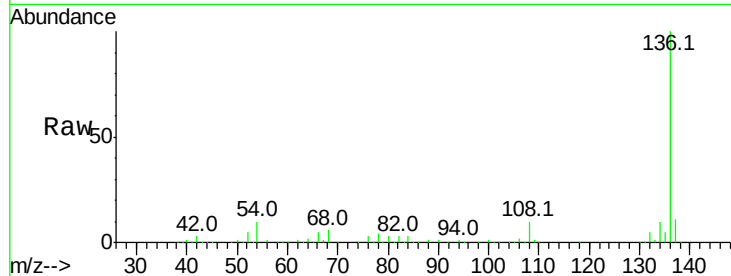




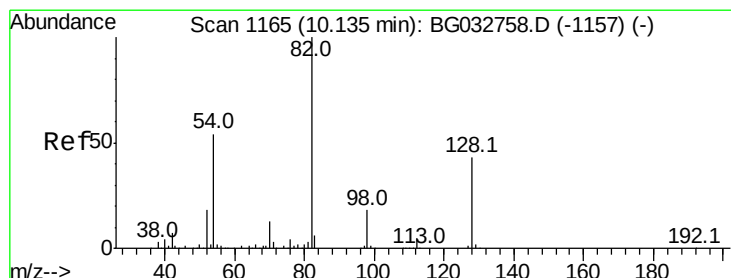
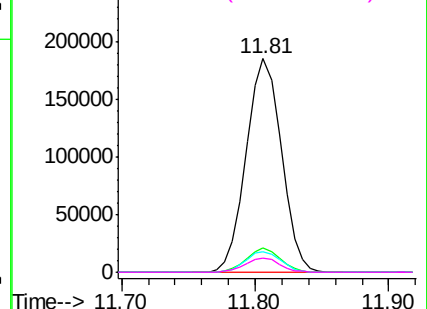
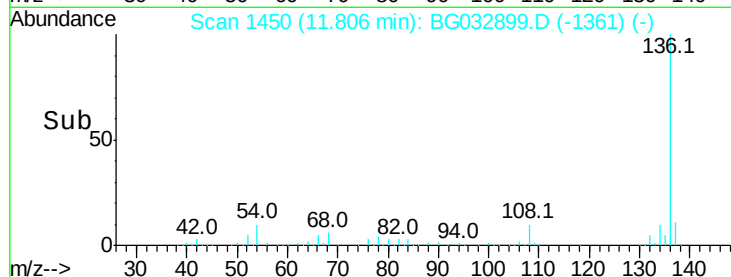
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	337527
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	9.6	10.3	15.5#
68	6.5	4.5	6.7

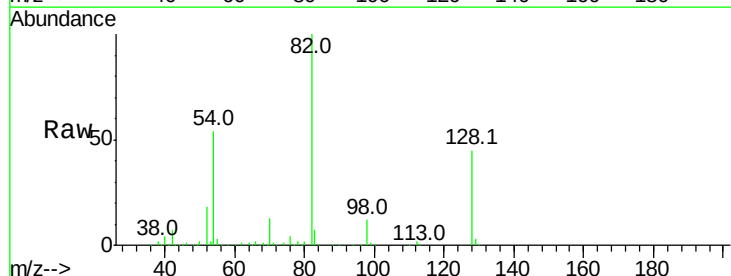


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

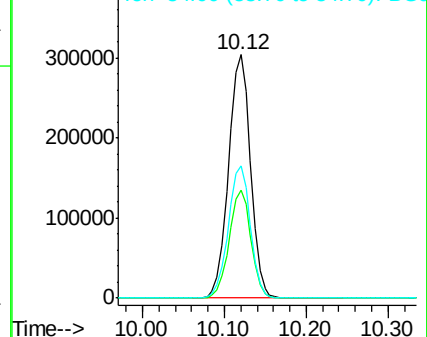
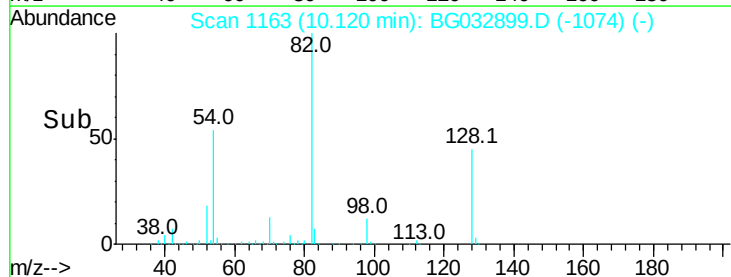


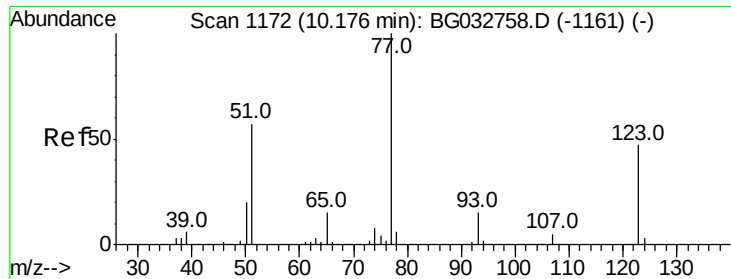
#23
Nitrobenzene-d5
Concen: 112.958 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Tgt Ion:	82	Resp:	567362
Ion	Ratio	Lower	Upper
82	100		
128	44.5	29.7	44.5#
54	54.3	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





#24

Nitrobenzene

Concen: 6.642 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampled :

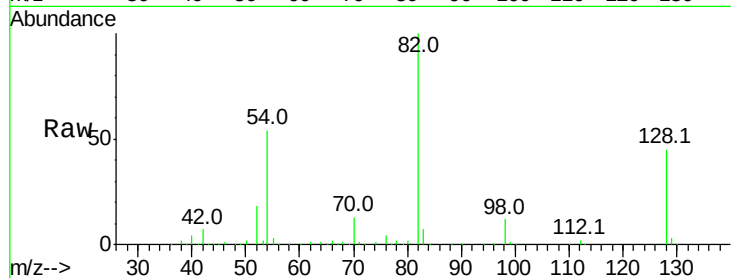
Tot Ion: 77 Resp: 1626

Ion Ratio Lower Upper

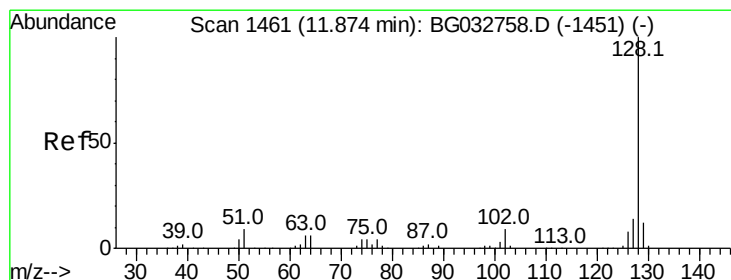
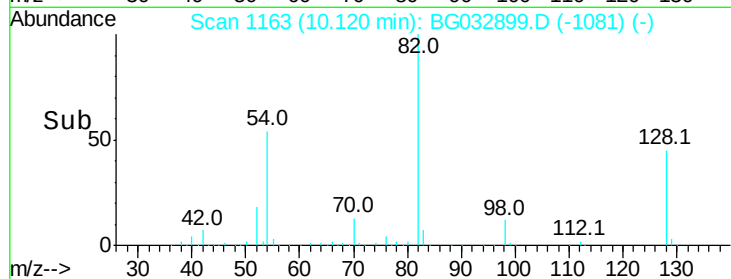
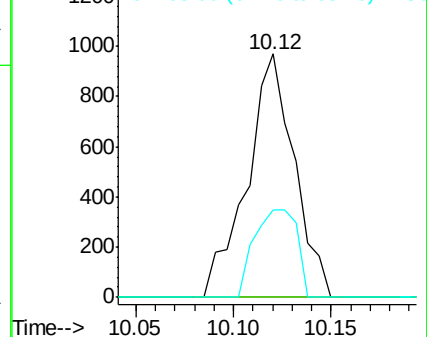
77 100

123 0.0 33.0 49.6#

65 35.9 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



#31

Naphthalene

Concen: 2.011 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.00 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

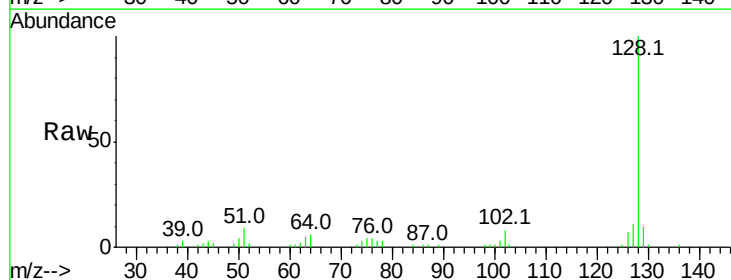
Tgt Ion: 128 Resp: 35473

Ion Ratio Lower Upper

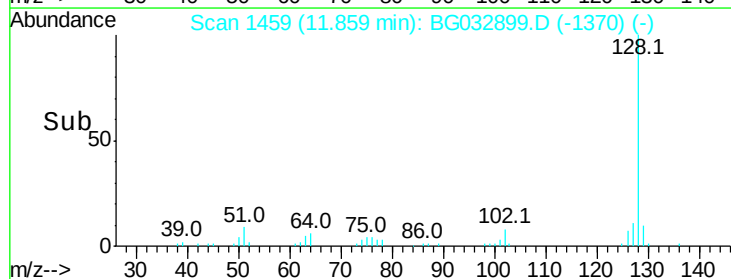
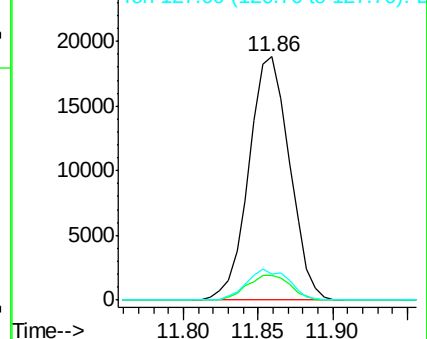
128 100

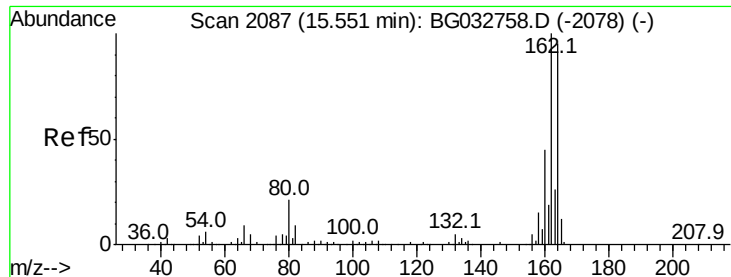
129 10.3 8.6 12.8

127 10.8 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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

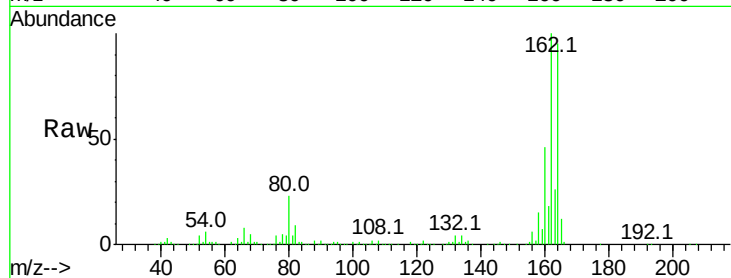
Tot Ion:164 Resp: 193889

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

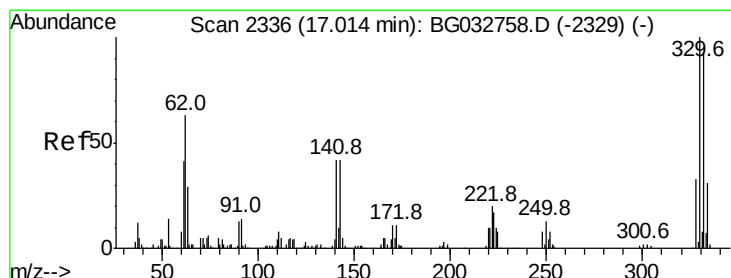
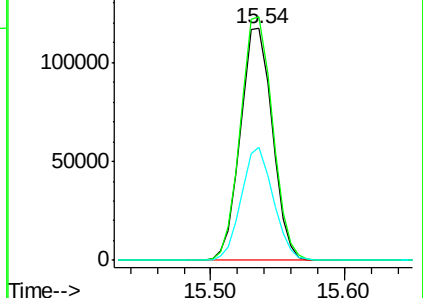
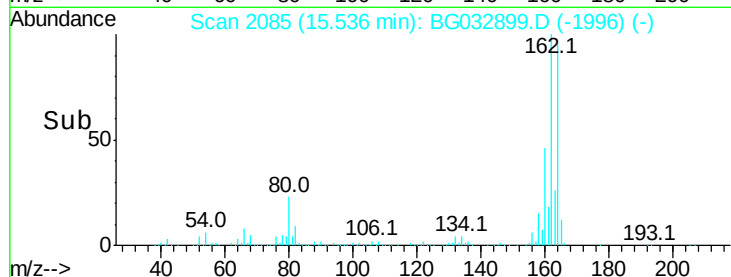
160 48.6 35.4 53.0



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: 144.495 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

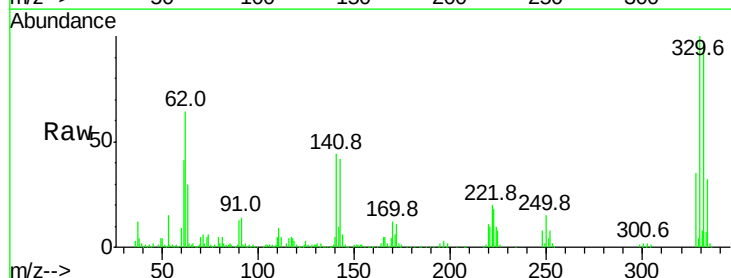
Tgt Ion:330 Resp: 294579

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

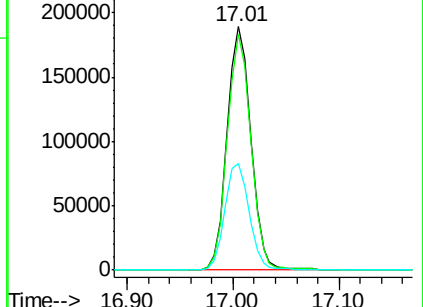
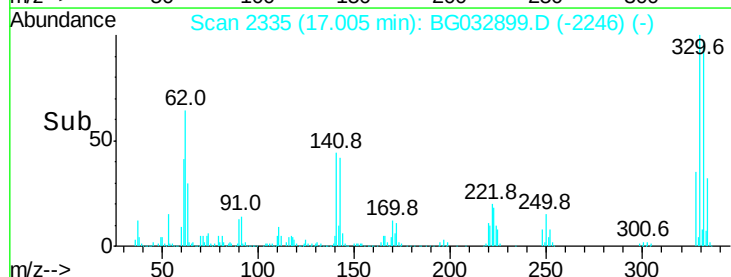
141 45.1 25.2 37.8#

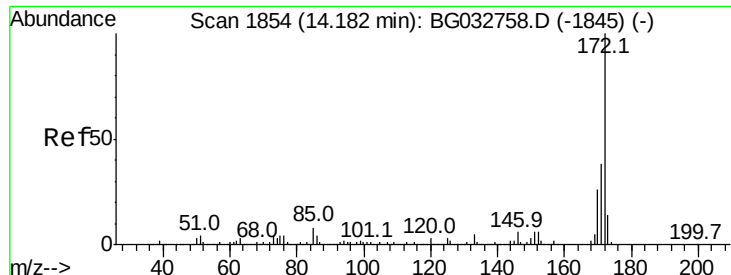


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



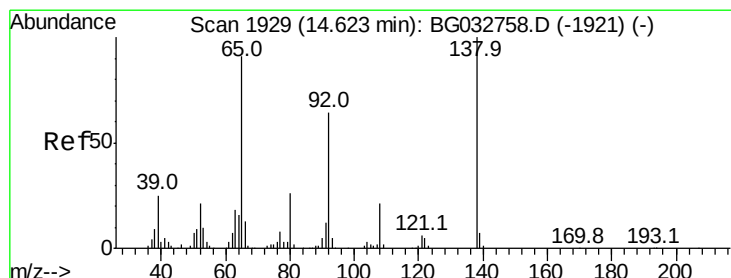
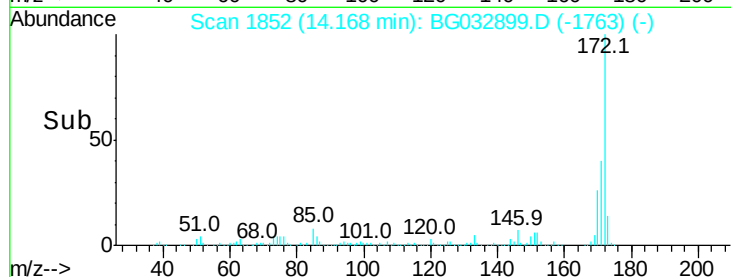
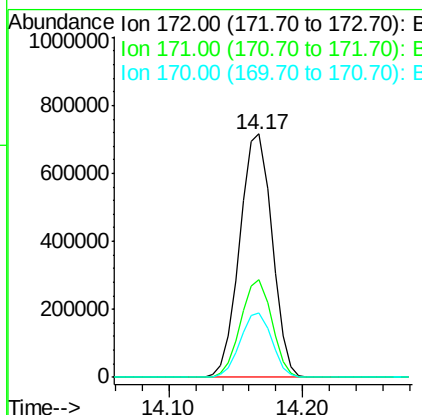
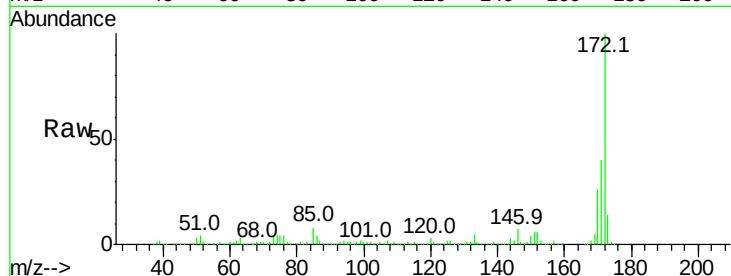


#44
 2-Fluorobiphenyl
 Concen: 89.236 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032899.D
 Acq: 28 Feb 2018 22:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1199645

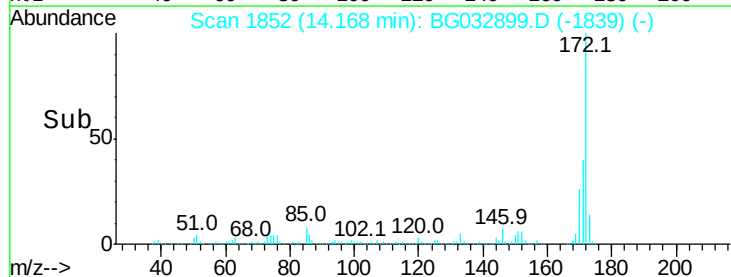
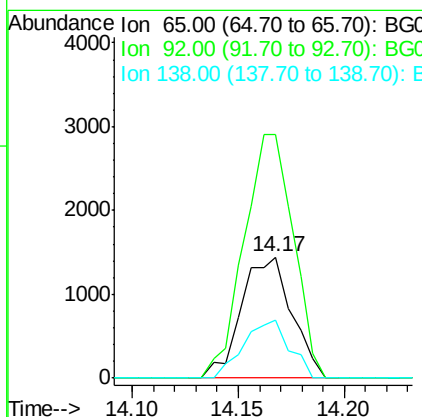
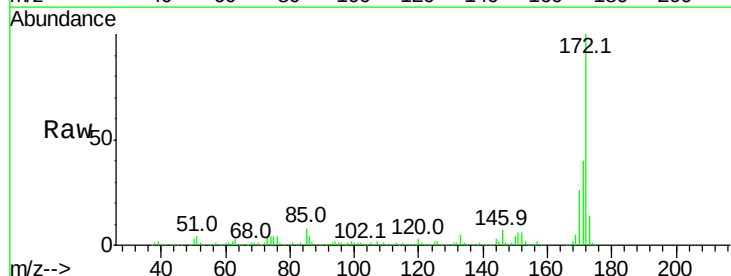
Ion	Ratio	Lower	Upper
172	100		
171	40.0	30.0	45.0
170	26.5	19.5	29.3

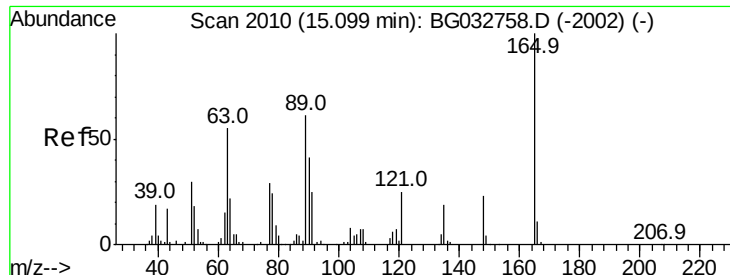


#47
 2-Nitroaniline
 Concen: 10.433 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.45 min
 Lab File: BG032899.D
 Acq: 28 Feb 2018 22:21

Tgt Ion: 65 Resp: 2396

Ion	Ratio	Lower	Upper
65	100		
92	200.6	54.6	82.0#
138	48.0	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.682 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

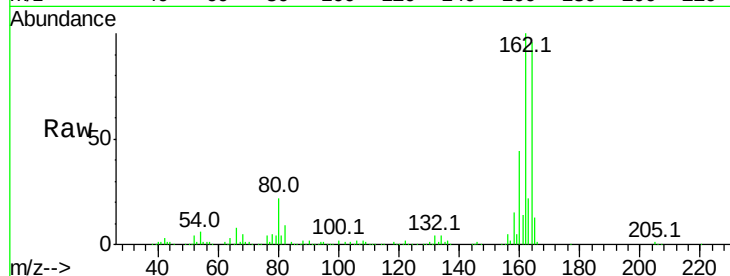
Tot Ion:165 Resp: 26038

Ion Ratio Lower Upper

165 100

63 1.7 52.7 79.1#

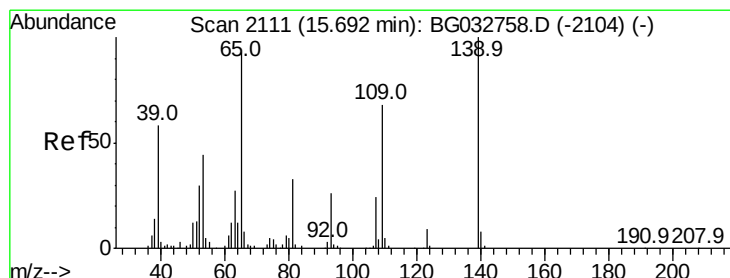
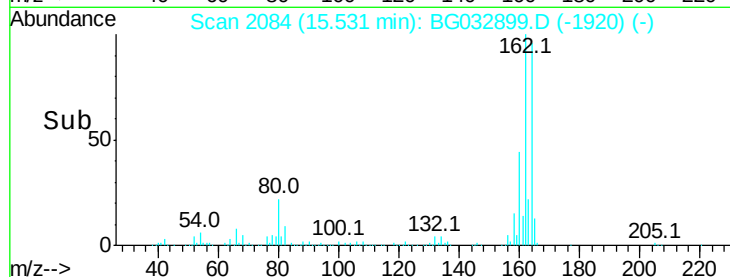
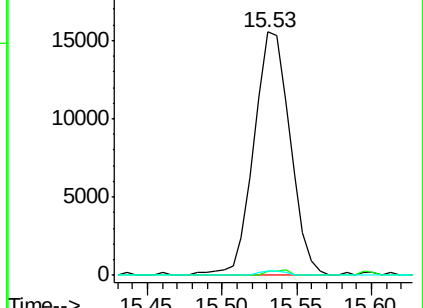
89 1.6 49.2 73.8#



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: 7.099 ng

RT: 15.75 min Scan# 2122

Delta R.T. 0.07 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

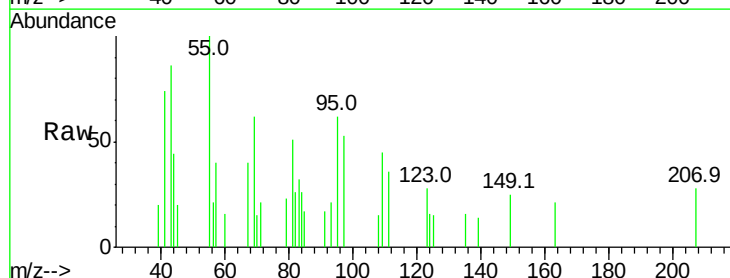
Tgt Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 312.4 62.2 102.2#

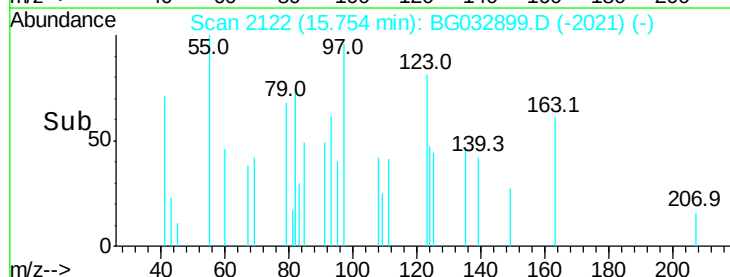
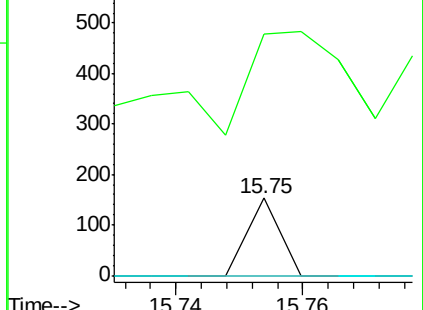
65 0.0 97.2 137.2#

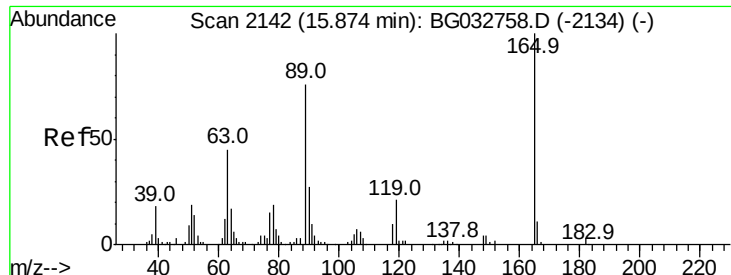


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 14.882 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.33 min

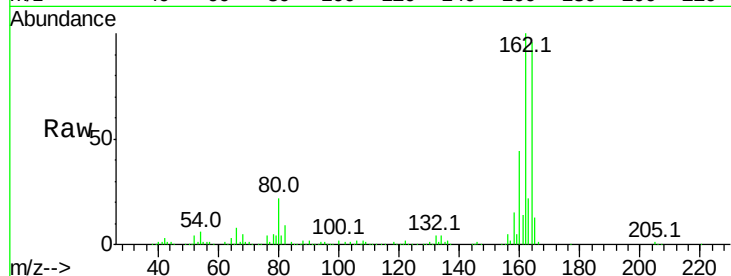
Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampled :



Tot Ion:165 Resp: 26038

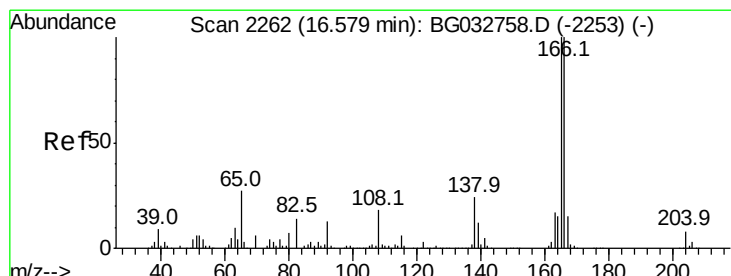
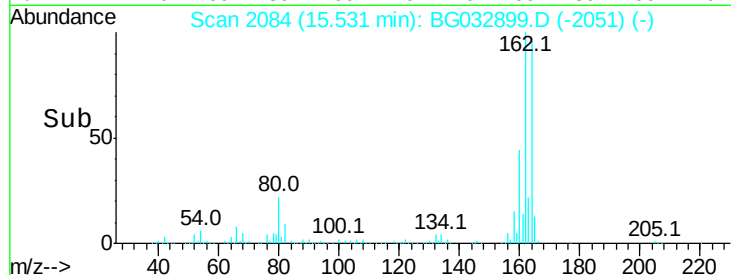
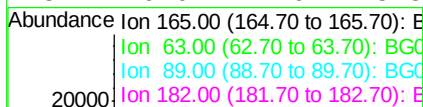
Ion Ratio Lower Upper

165 100

63 1.7 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#



#61

4-Nitroaniline

Concen: 5.314 ng

RT: 16.61 min Scan# 2267

Delta R.T. 0.03 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

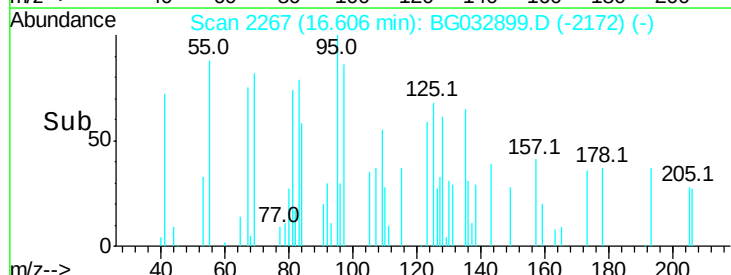
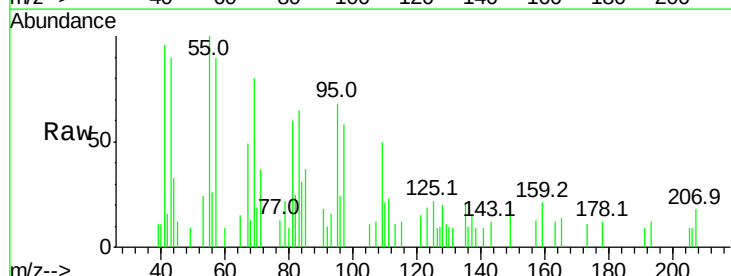
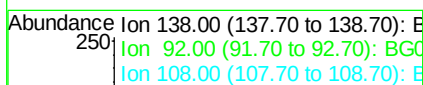
Tgt Ion:138 Resp: 58

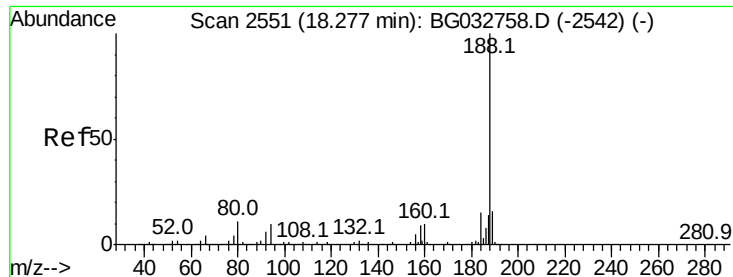
Ion Ratio Lower Upper

138 100

92 104.3 40.1 80.1#

108 0.0 65.4 105.4#

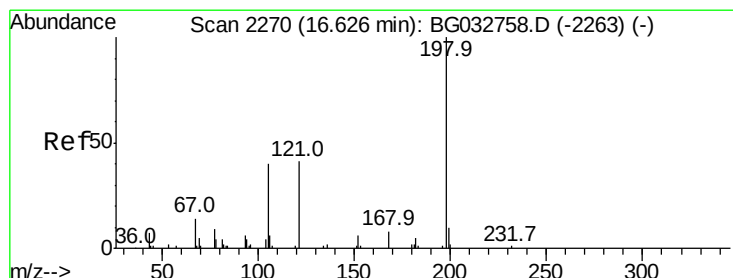
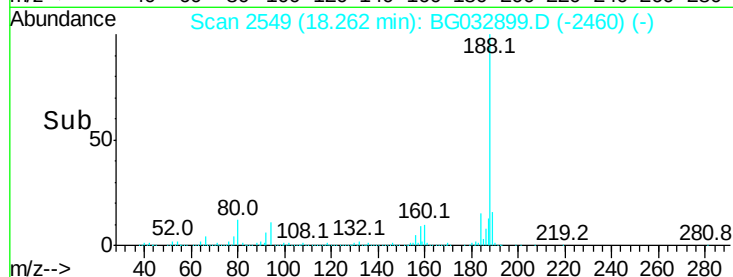
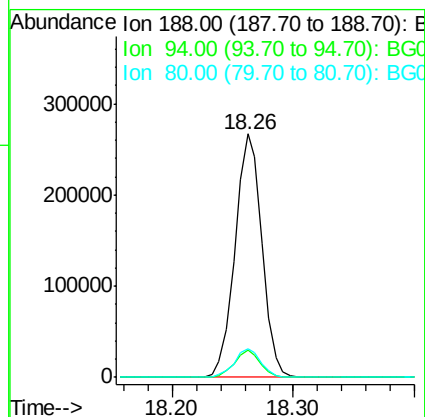
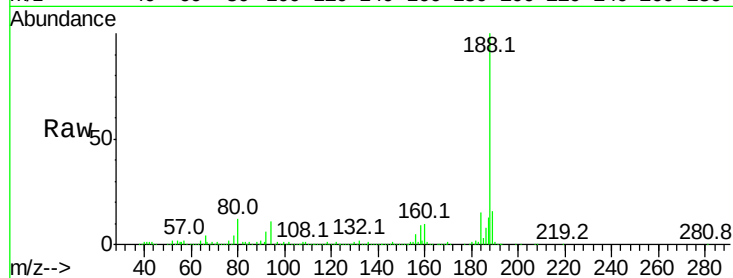




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

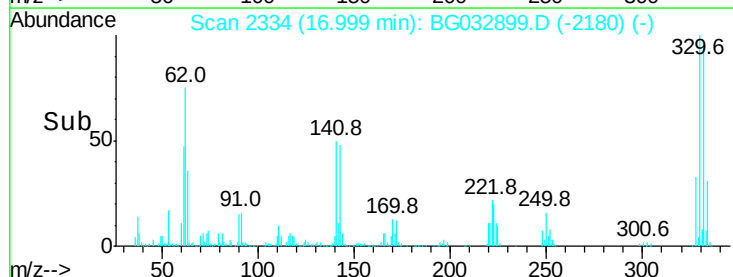
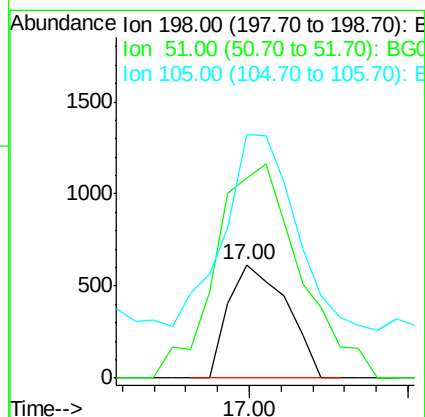
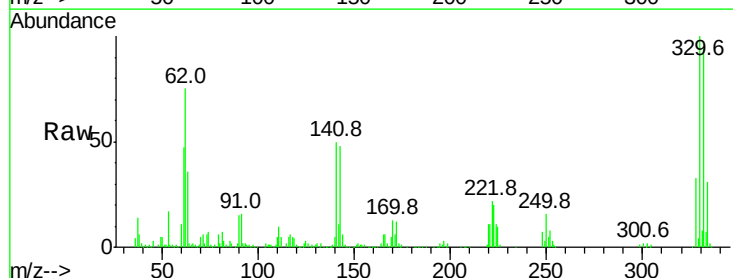
Instrument :
BNA_G
ClientSampleId :

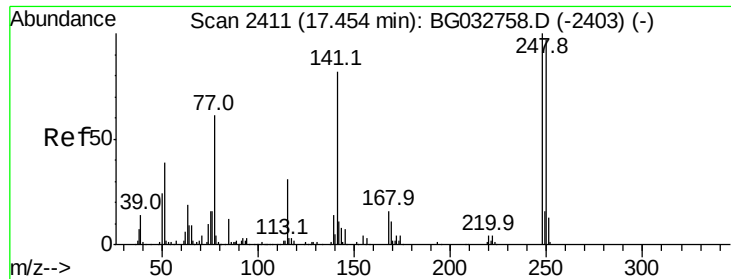
Tot Ion:188 Resp: 413493
Ion Ratio Lower Upper
188 100
94 11.0 6.9 10.3#
80 12.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.755 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Tgt Ion:198 Resp: 785
Ion Ratio Lower Upper
198 100
51 176.8 30.6 70.6#
105 214.6 23.8 63.8#

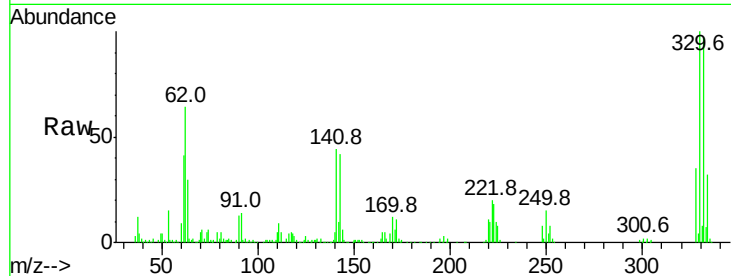




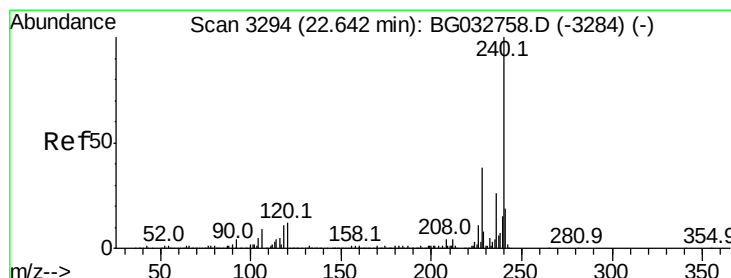
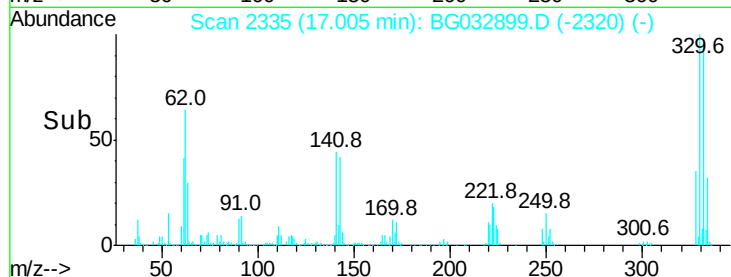
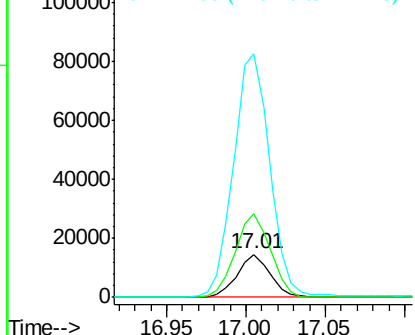
#66
4-Bromophenyl-phenylether
Concen: 4.853 ng
RT: 17.01 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21217
Ion Ratio Lower Upper
248 100
250 192.9 77.1 115.7#
141 562.7 50.8 76.2#

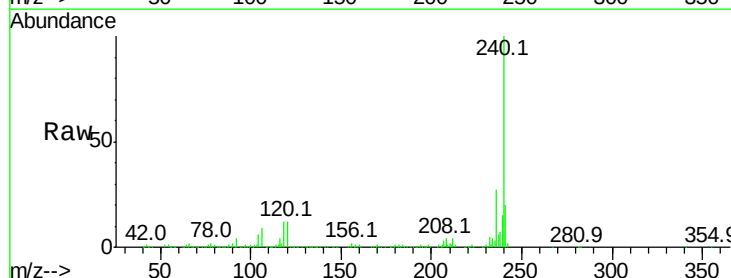


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

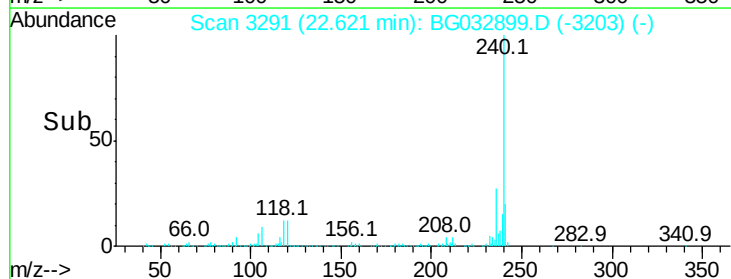
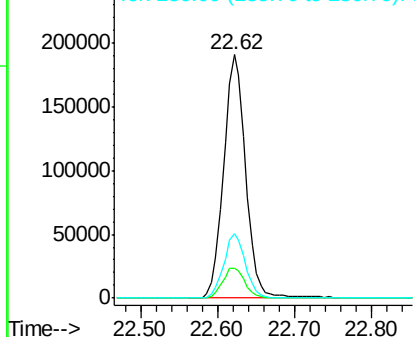


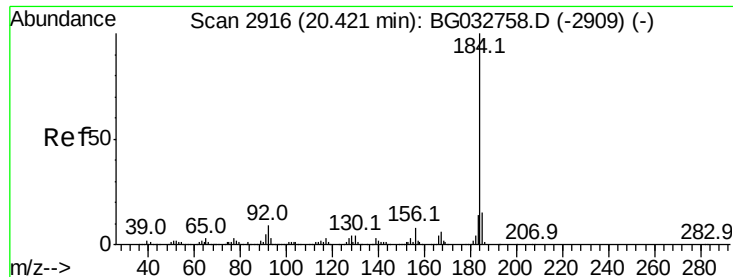
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. -0.01 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Tgt Ion:240 Resp: 380254
Ion Ratio Lower Upper
240 100
120 12.1 6.8 10.2#
236 26.7 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: 2.312 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.37 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

Instrument :

BNA_G

ClientSampleId :

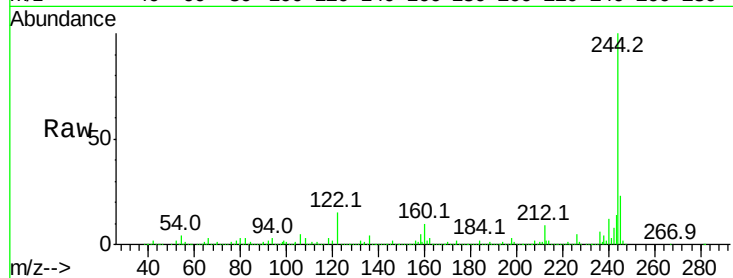
Tot Ion:184 Resp: 29964

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

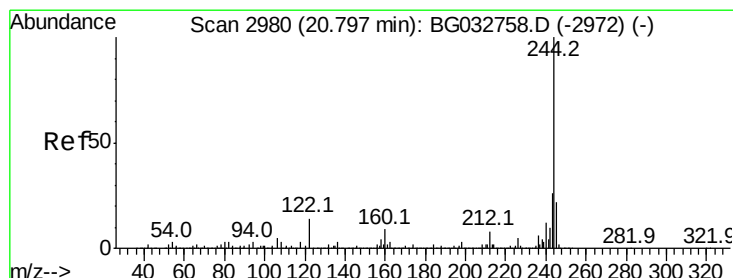
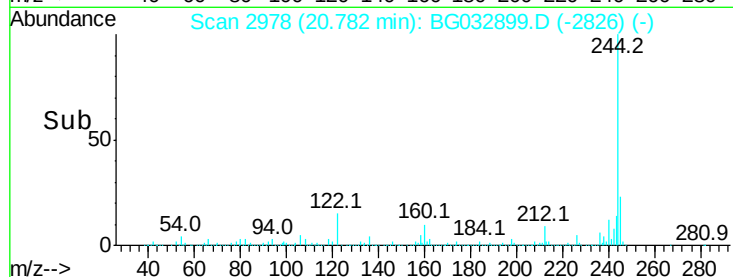
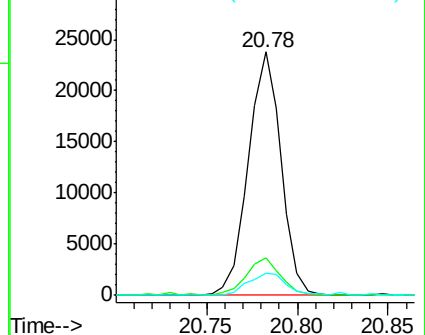
183 9.1 10.6 16.0#



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: 97.464 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032899.D

Acq: 28 Feb 2018 22:21

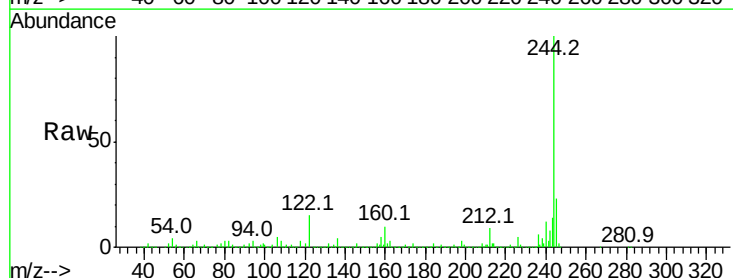
Tgt Ion:244 Resp: 1649563

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

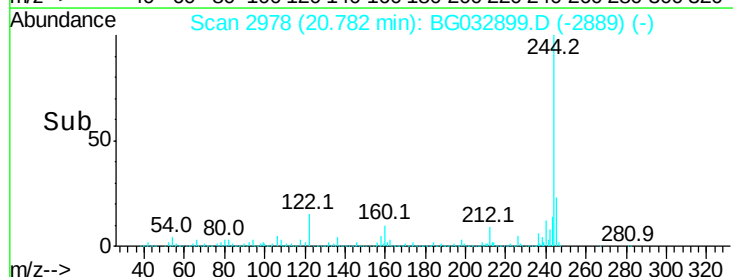
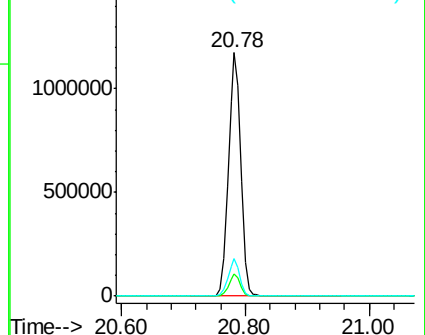
122 15.3 7.0 10.4#

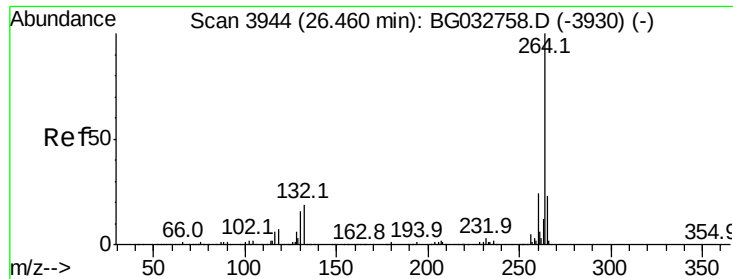


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.45 min Scan# 3942
Delta R.T. 0.01 min
Lab File: BG032899.D
Acq: 28 Feb 2018 22:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.2	17.7	26.5

