

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032896.D
 Acq On : 28 Feb 2018 20:28
 Operator : SJ/JU
 Sample : J1699-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:28:13 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	80321	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	365498	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	197819	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	412451	20.00	ng	0.00
75) Chrysene-d12	22.62	240	396747	20.00	ng	-0.01
86) Perylene-d12	26.43	264	408529	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	688586	137.15	ng	0.00
7) Phenol-d6	8.01	99	832559	118.97	ng	0.00
23) Nitrobenzene-d5	10.12	82	582809	107.66	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	299417	143.95	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1256771	91.63	ng	0.00
78) Terphenyl-d14	20.78	244	1655454	93.75	ng	0.00

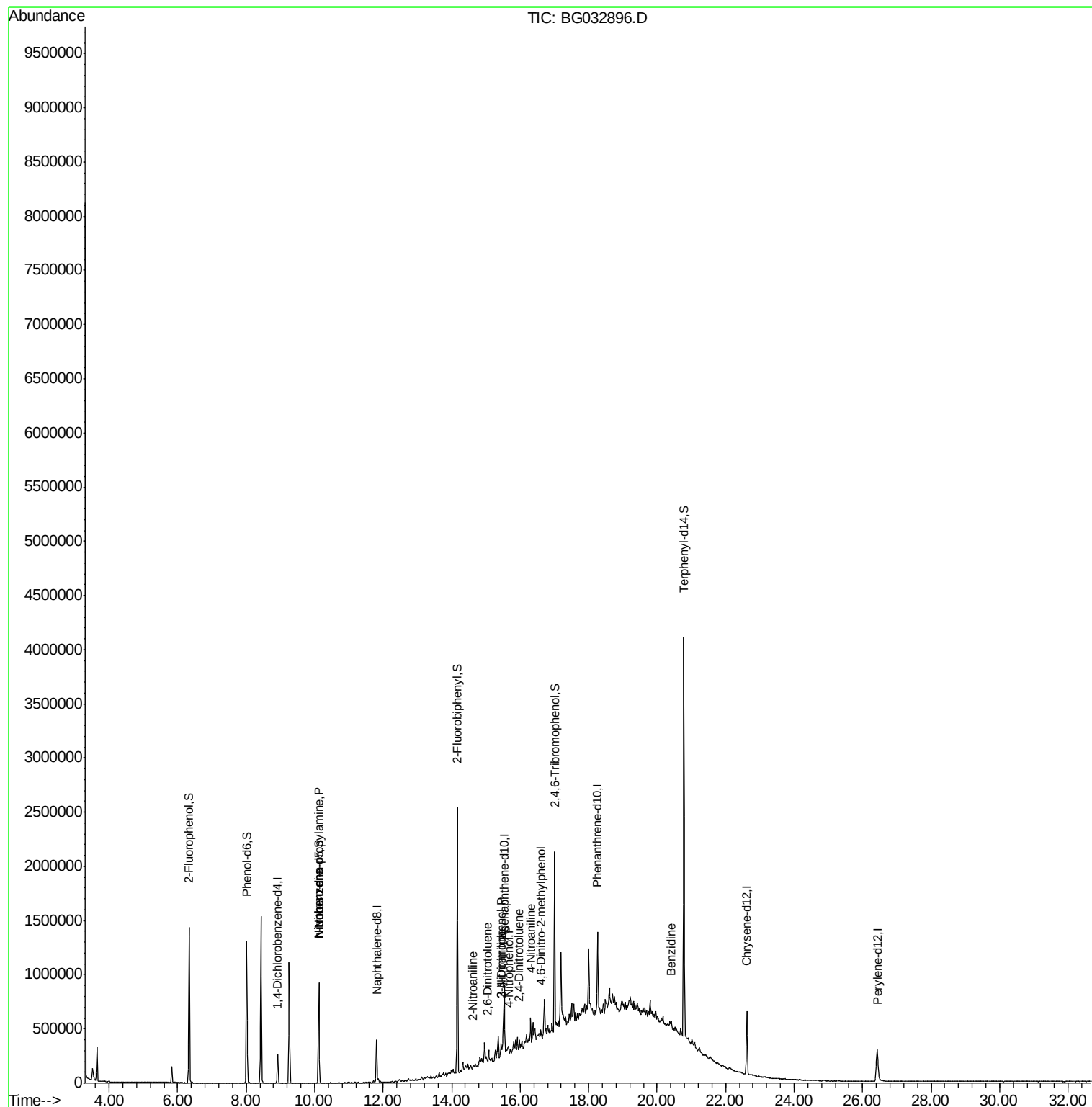
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	76840	15.554	ng	# 82
24) Nitrobenzene	10.12	77	1749	6.641	ng	# 42
47) 2-Nitroaniline	14.63	65	370	9.926	ng	# 79
50) 2,6-Dinitrotoluene	15.05	165	1210	9.253	ng	# 32
52) 3-Nitroaniline	15.44	138	1952	8.022	ng	# 8
53) 2,4-Dinitrophenol	15.45	184	53	3.476	ng	# 1
55) 4-Nitrophenol	15.69	139	407	7.215	ng	# 1
56) 2,4-Dinitrotoluene	15.95	165	1754	7.349	ng	# 34
61) 4-Nitroaniline	16.31	138	2749	5.972	ng	# 90
64) 4,6-Dinitro-2-methylphenol	16.61	198	547	5.513	ng	# 1
76) Benzidine	20.41	184	36263	2.681	ng	# 82

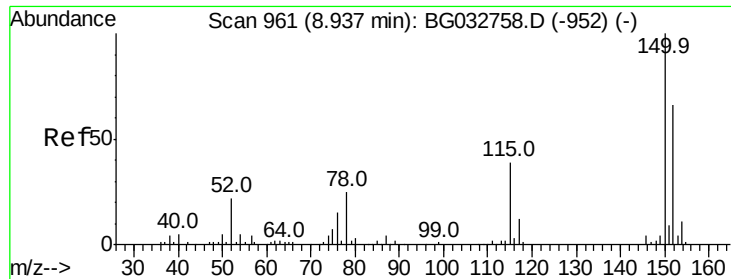
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
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QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration



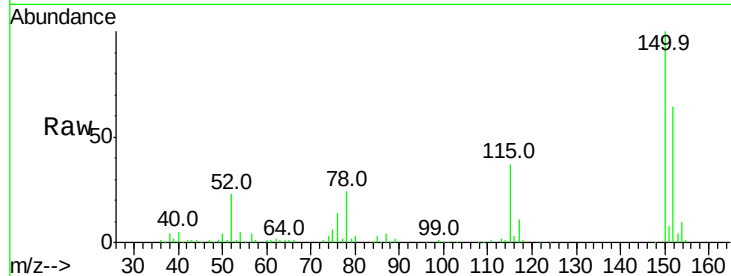


#1

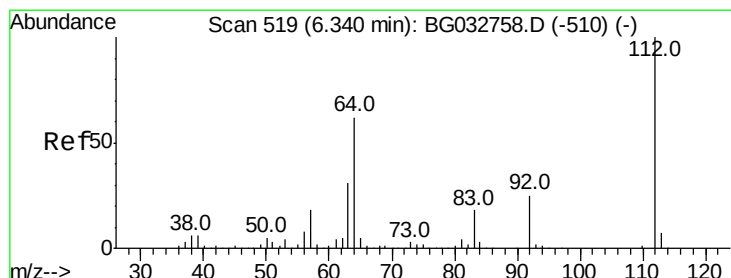
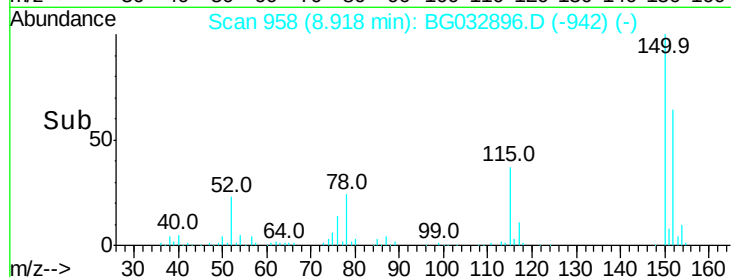
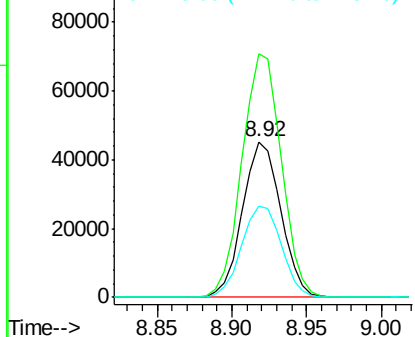
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 80321
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 58.4 53.0 79.4



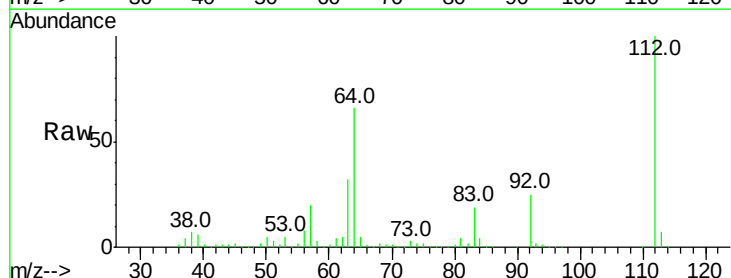
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



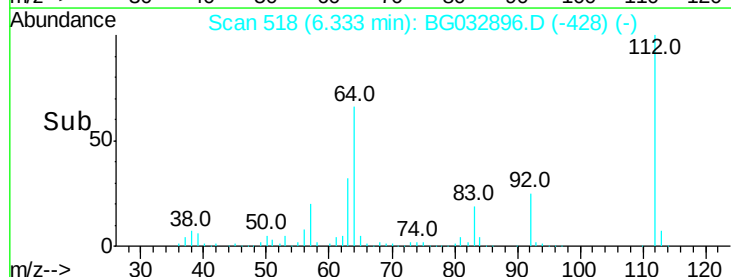
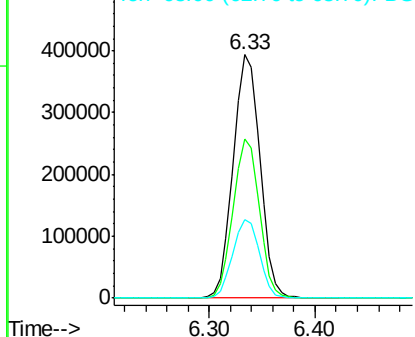
#5

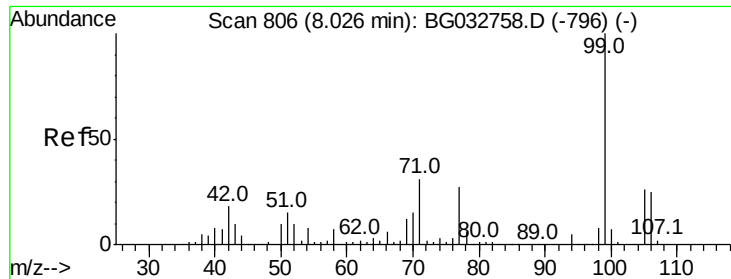
2-Fluorophenol
Concen: 137.154 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Tgt Ion:112 Resp: 688586
Ion Ratio Lower Upper
112 100
64 65.5 56.3 84.5
63 32.4 30.1 45.1



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





#7

Phenol-d6

Concen: 118.973 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Instrument :

BNA_G

ClientSampled :

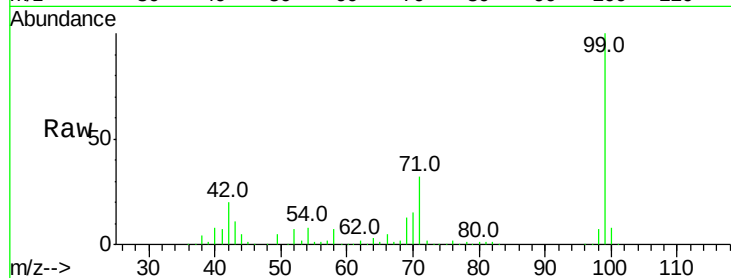
Tot Ion: 99 Resp: 832559

Ion Ratio Lower Upper

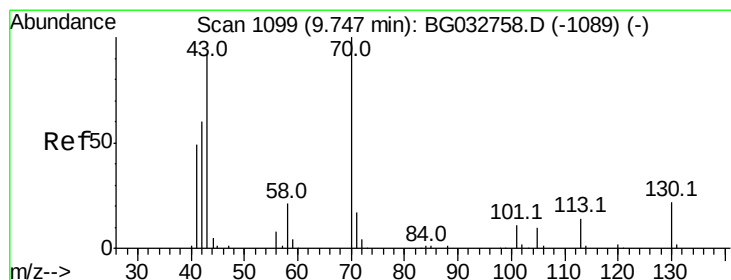
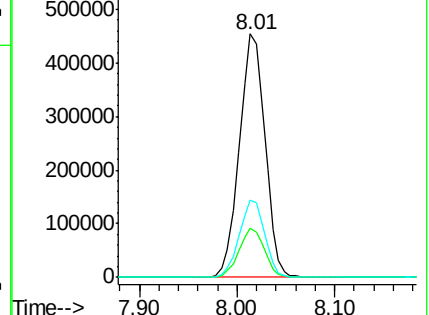
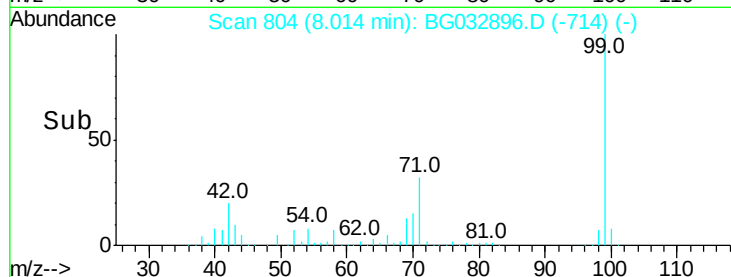
99 100

42 20.0 14.1 21.1

71 31.8 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: 15.554 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Tgt Ion: 70 Resp: 76840

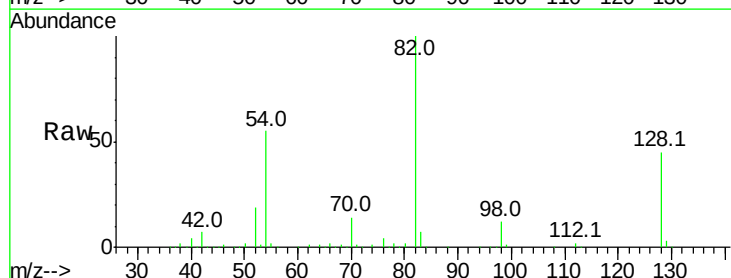
Ion Ratio Lower Upper

70 100

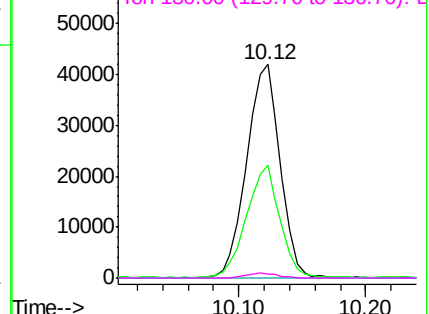
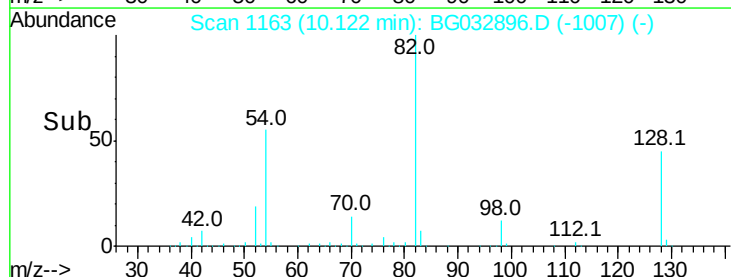
42 52.8 49.1 73.7

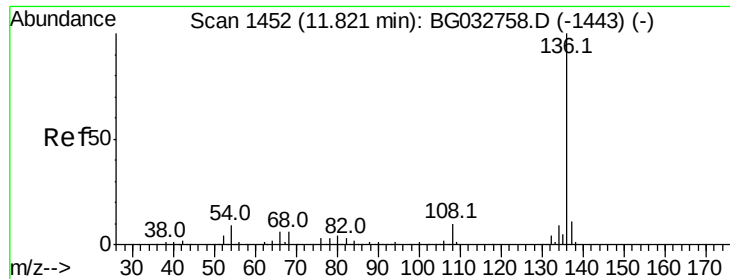
101 0.0 8.5 12.7#

130 2.1 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

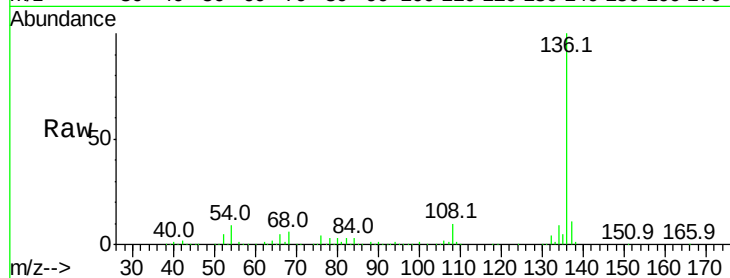




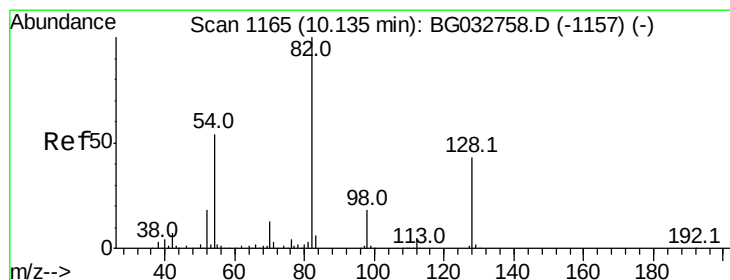
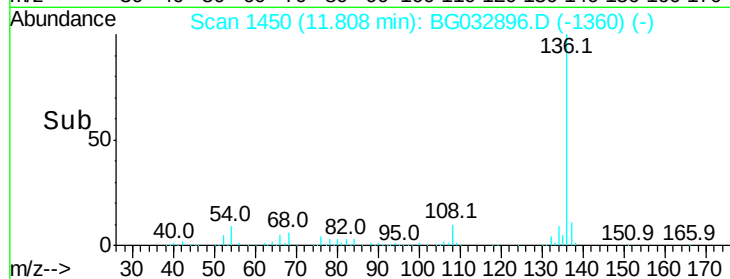
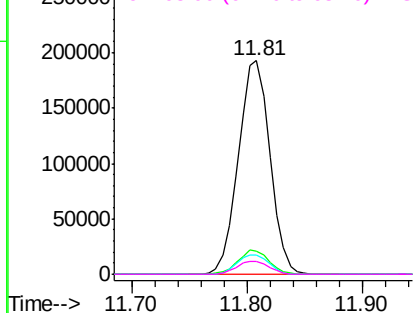
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	365498
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	9.1	10.3	15.5#
68	6.2	4.5	6.7

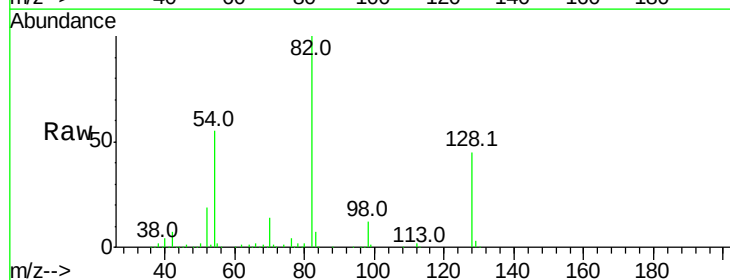


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

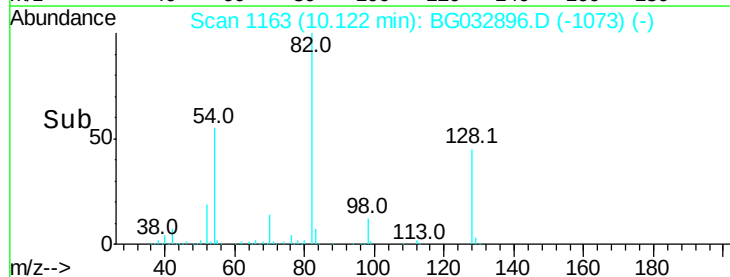
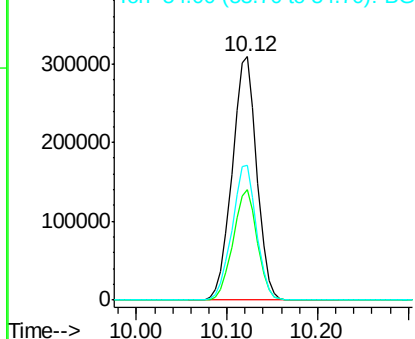


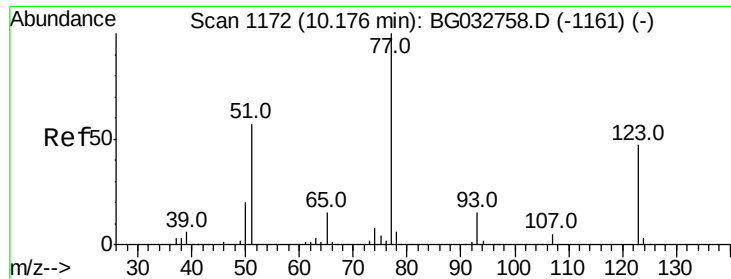
#23
Nitrobenzene-d5
Concen: 107.663 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Tgt Ion:	82	Resp:	582809
Ion	Ratio	Lower	Upper
82	100		
128	45.4	29.7	44.5#
54	55.4	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

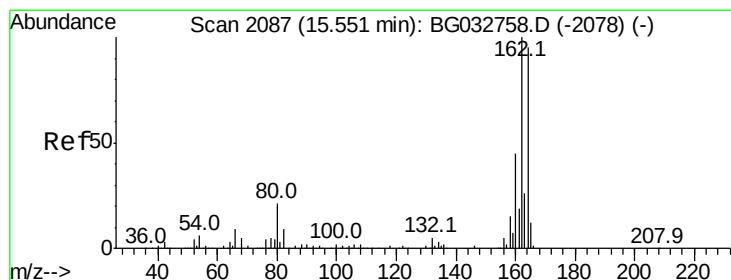
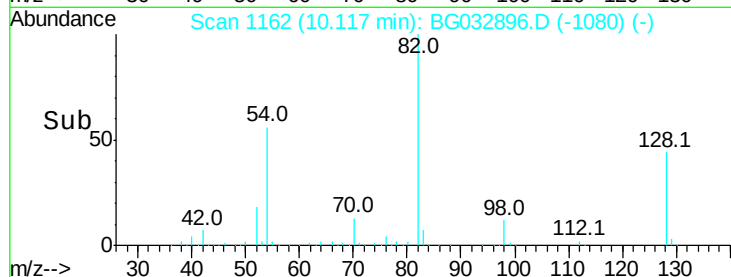
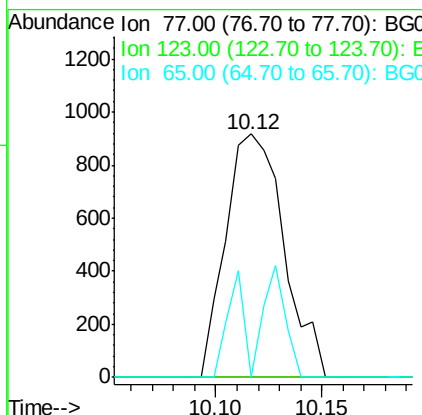
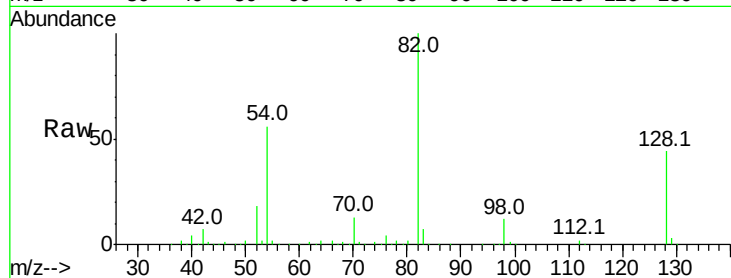




#24
 Nitrobenzene
 Concen: 6.641 ng
 RT: 10.12 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BG032896.D
 Acq: 28 Feb 2018 20:28

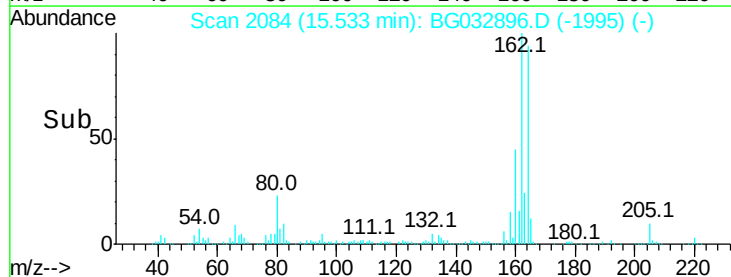
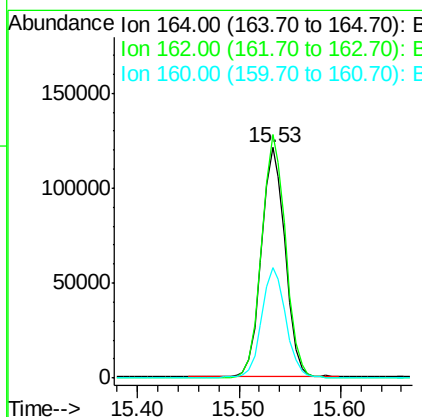
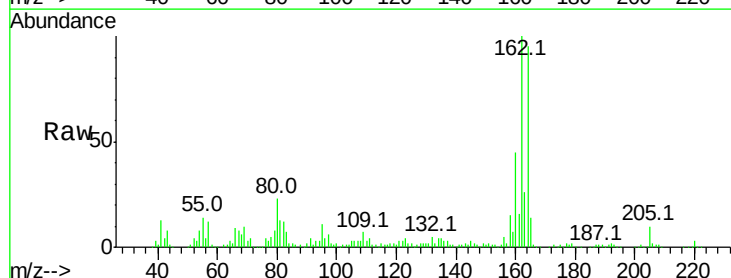
Instrument :
 BNA_G
 ClientSampleID :

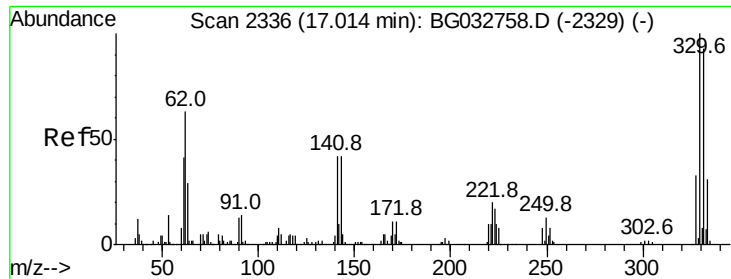
Tot Ion: 77 Resp: 1749
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BG032896.D
 Acq: 28 Feb 2018 20:28

Tgt Ion:164 Resp: 197819
 Ion Ratio Lower Upper
 164 100
 162 105.7 78.8 118.2
 160 47.8 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 143.951 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Instrument :

BNA_G

ClientSampleId :

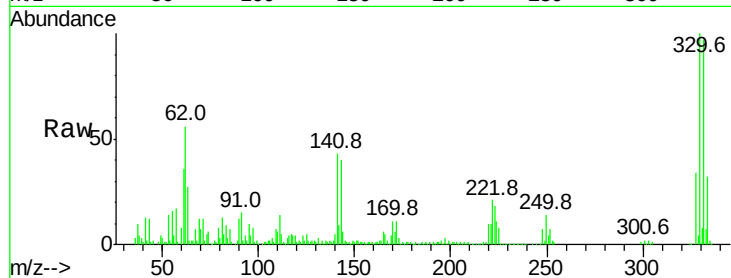
Tot Ion:330 Resp: 299417

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

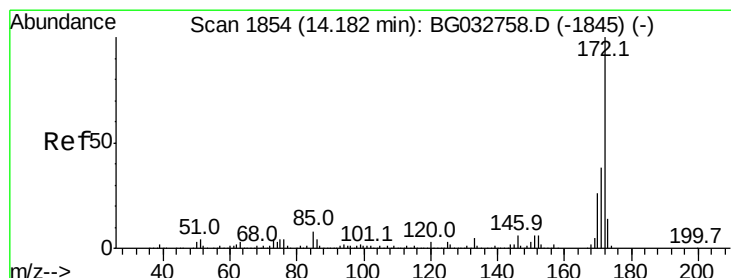
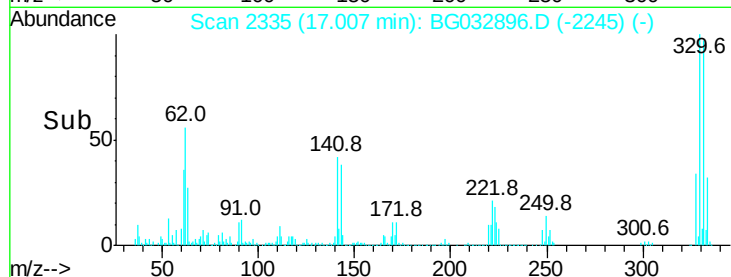
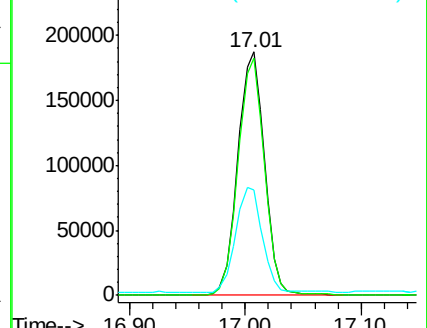
141 42.9 25.2 37.8#



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: 91.628 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

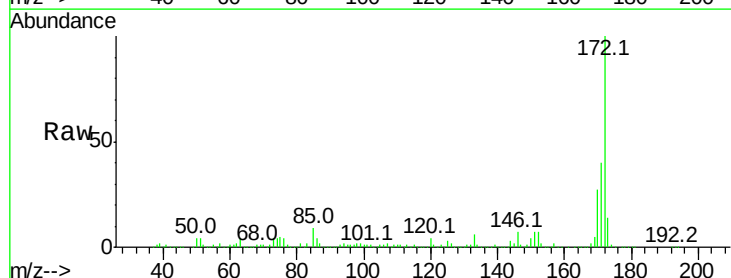
Tgt Ion:172 Resp: 1256771

Ion Ratio Lower Upper

172 100

171 40.4 30.0 45.0

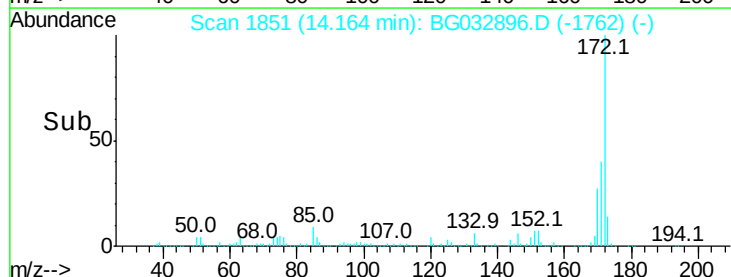
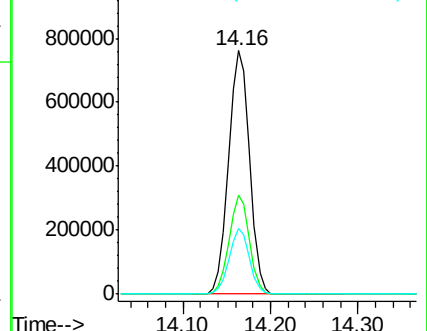
170 26.9 19.5 29.3

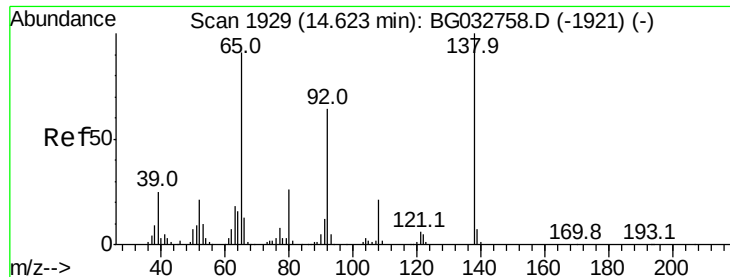


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 9.926 ng

RT: 14.63 min Scan# 1930

Delta R.T. 0.01 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Instrument :

BNA_G

ClientSampled :

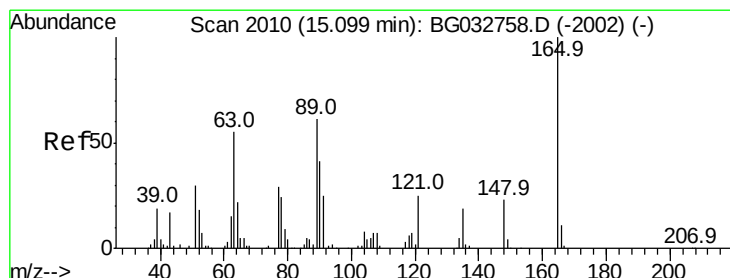
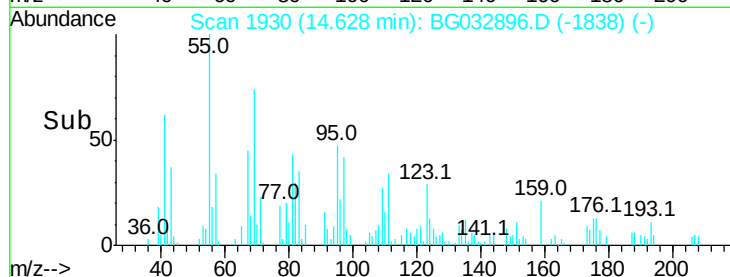
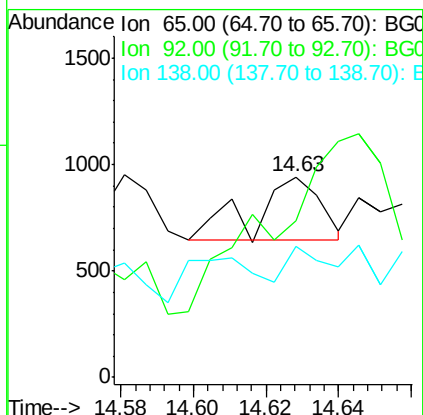
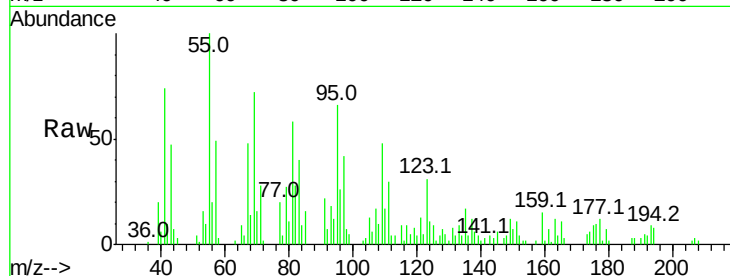
Tot Ion: 65 Resp: 370

Ion Ratio Lower Upper

65 100

92 78.5 54.6 82.0

138 65.1 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 9.253 ng

RT: 15.05 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

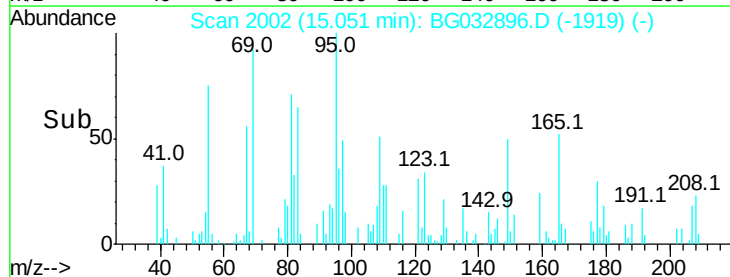
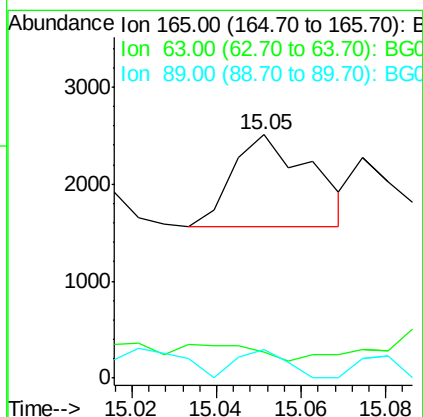
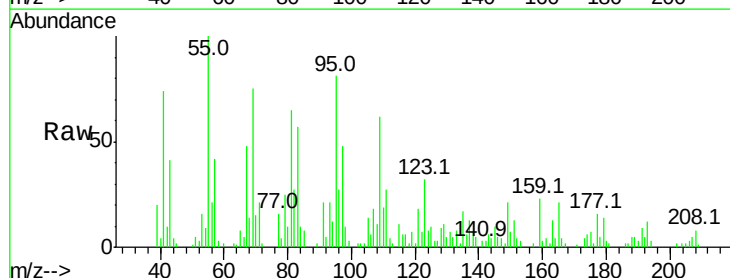
Tgt Ion: 165 Resp: 1210

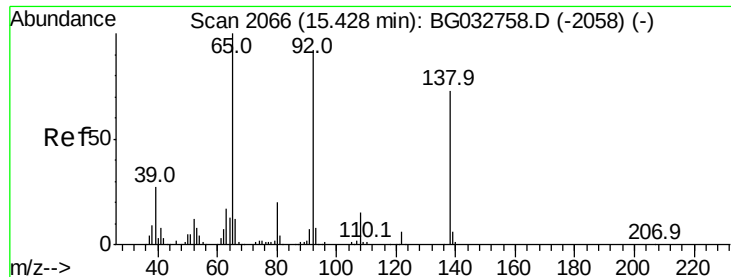
Ion Ratio Lower Upper

165 100

63 10.6 52.7 79.1#

89 11.5 49.2 73.8#





#52

3-Nitroaniline

Concen: 8.022 ng

RT: 15.44 min Scan# 2068

Delta R.T. 0.02 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Instrument :

BNA_G

ClientSampleId :

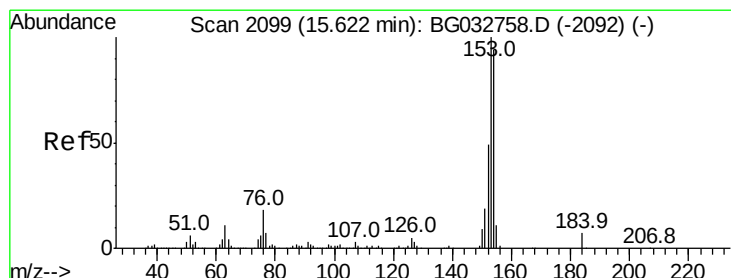
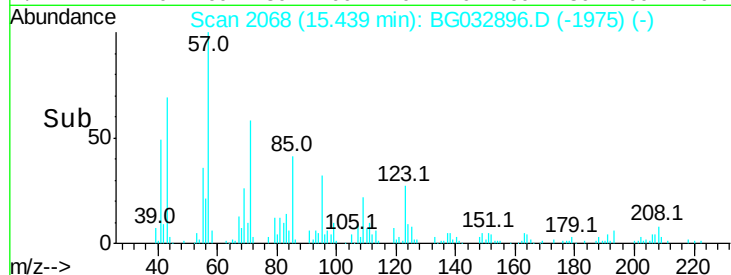
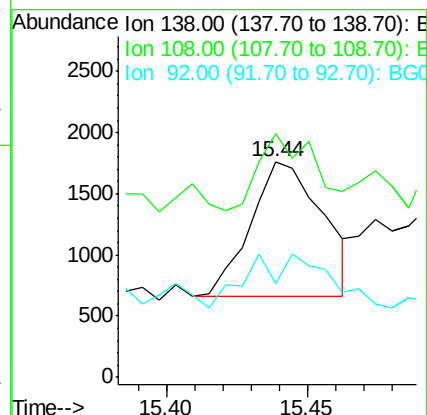
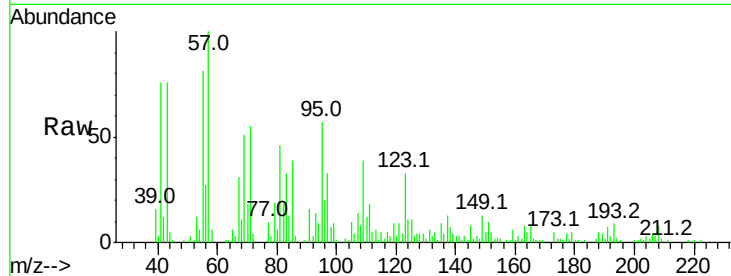
Tot Ion:138 Resp: 1952

Ion Ratio Lower Upper

138 100

108 113.0 17.5 26.3#

92 43.5 105.8 158.8#



#53

2,4-Dinitrophenol

Concen: 3.476 ng

RT: 15.45 min Scan# 2070

Delta R.T. -0.17 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

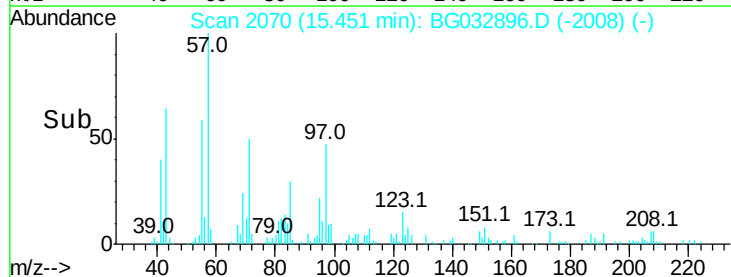
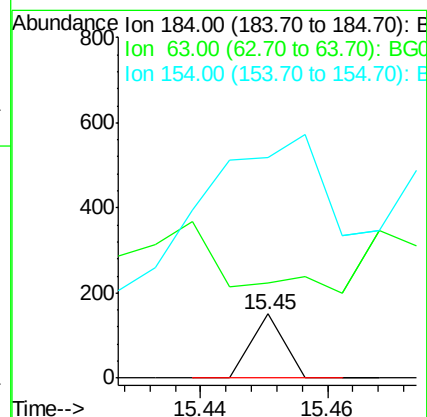
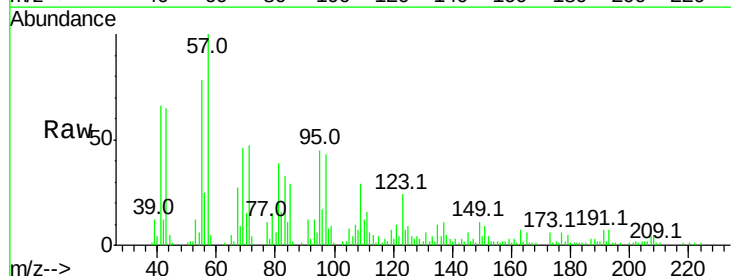
Tgt Ion:184 Resp: 53

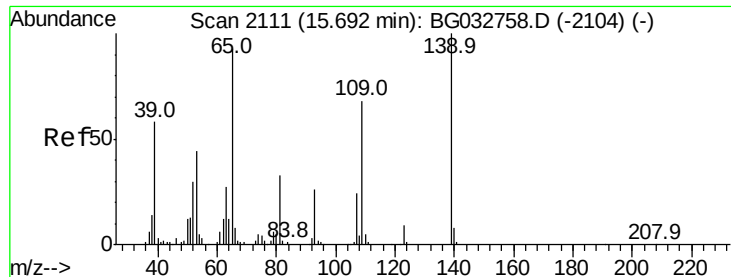
Ion Ratio Lower Upper

184 100

63 147.7 59.8 89.8#

154 342.4 101.8 152.8#





#55

4-Nitrophenol

Concen: 7.215 ng

RT: 15.69 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Instrument :

BNA_G

ClientSampleId :

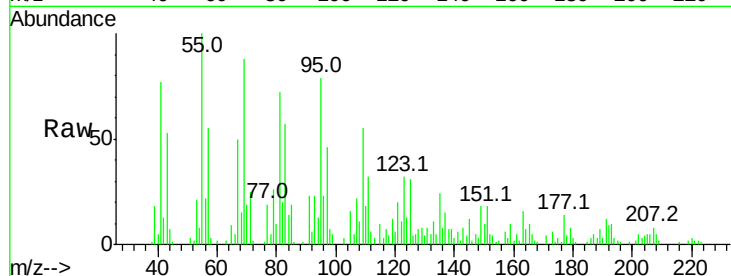
Tot Ion:139 Resp: 407

Ion Ratio Lower Upper

139 100

109 750.1 62.2 102.2#

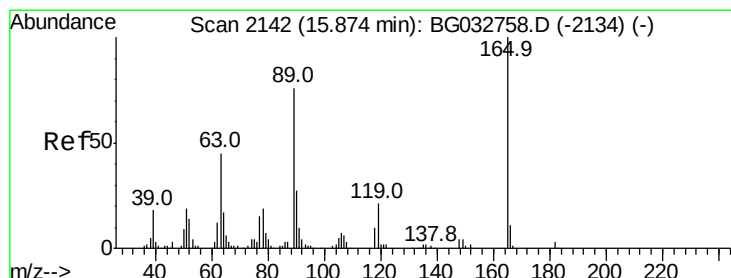
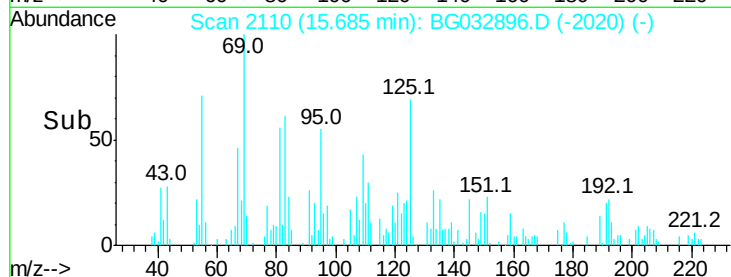
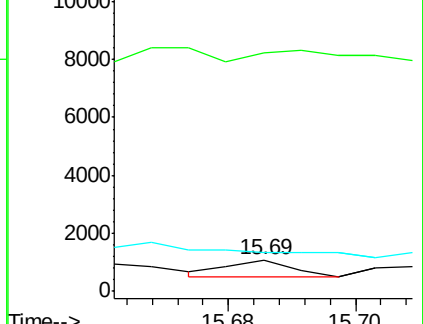
65 121.2 97.2 137.2



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: 7.349 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.09 min

Lab File: BG032896.D

Acq: 28 Feb 2018 20:28

Tgt Ion:165 Resp: 1754

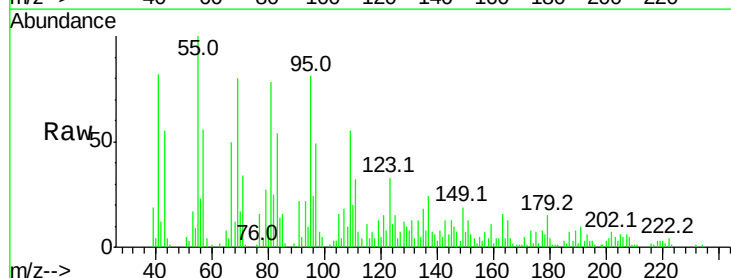
Ion Ratio Lower Upper

165 100

63 15.9 42.0 63.0#

89 14.5 66.9 100.3#

182 7.9 2.6 3.8#

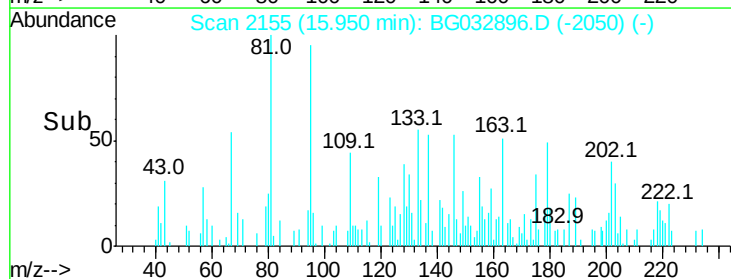
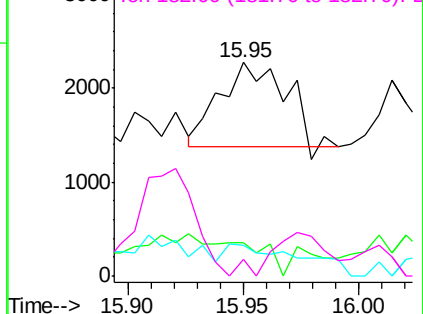


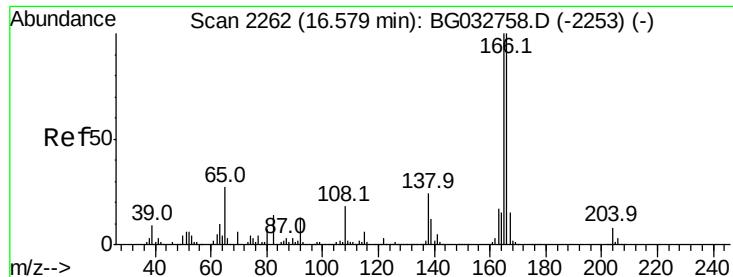
Abundance Ion 165.00 (164.70 to 165.70): E

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

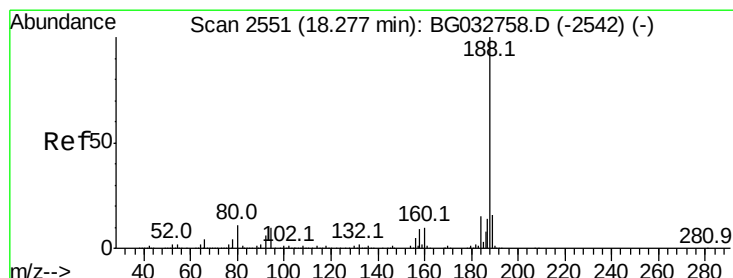
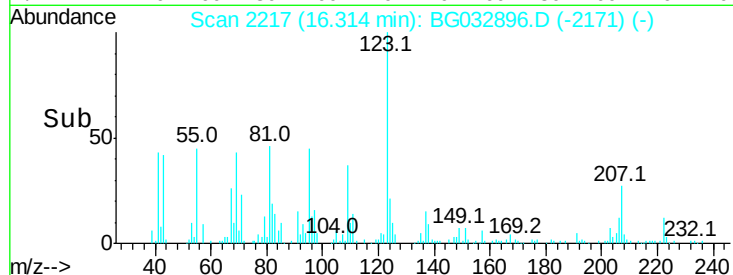
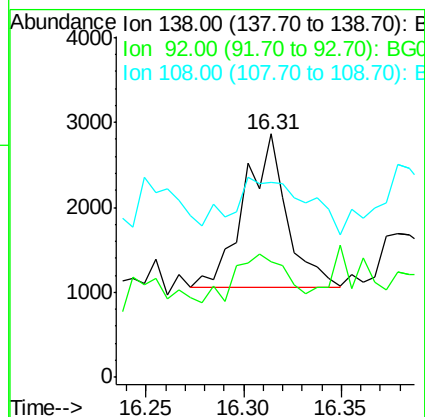
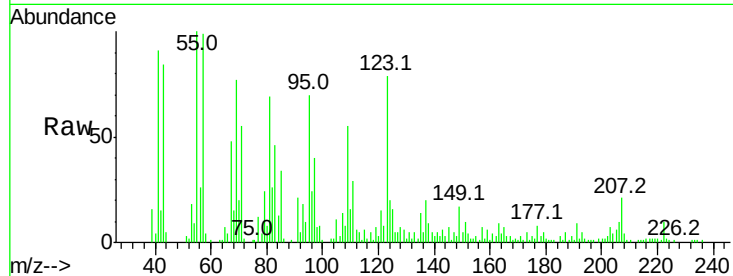




#61
4-Nitroaniline
Concen: 5.972 ng
RT: 16.31 min Scan# 2217
Delta R.T. -0.26 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

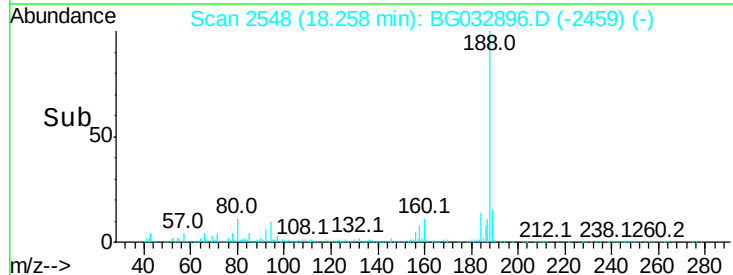
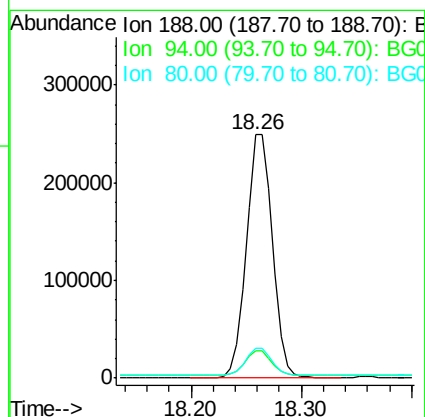
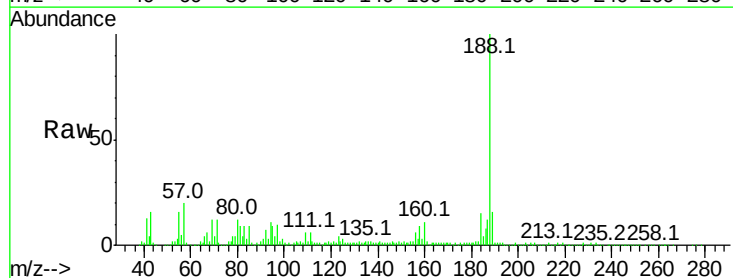
Instrument :
BNA_G
ClientSampled :

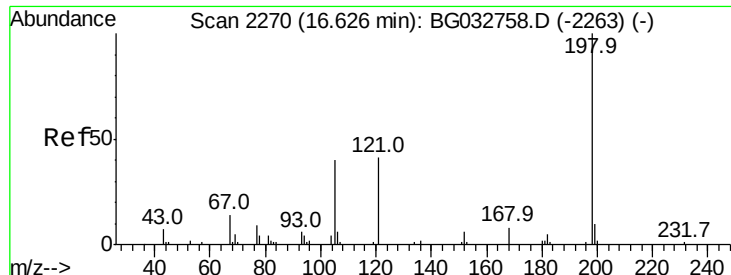
Tot Ion:138 Resp: 2749
Ion Ratio Lower Upper
138 100
92 47.6 40.1 80.1
108 79.8 65.4 105.4



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Tgt Ion:188 Resp: 412451
Ion Ratio Lower Upper
188 100
94 11.5 6.9 10.3#
80 12.3 7.7 11.5#

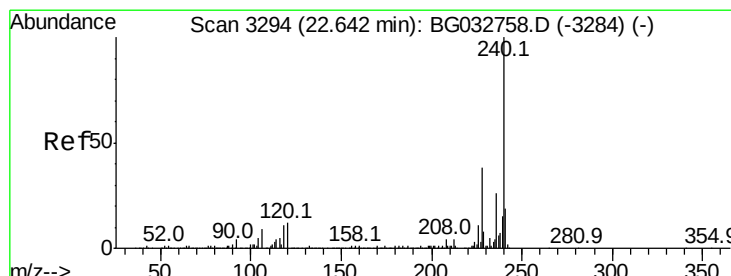
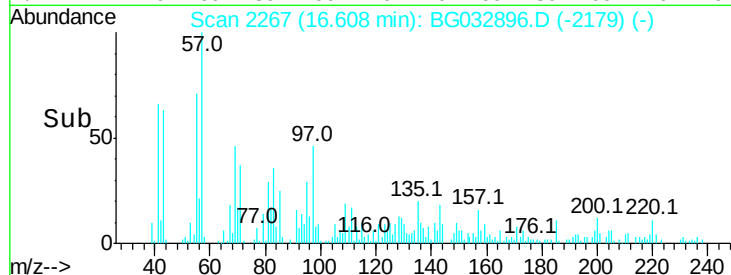
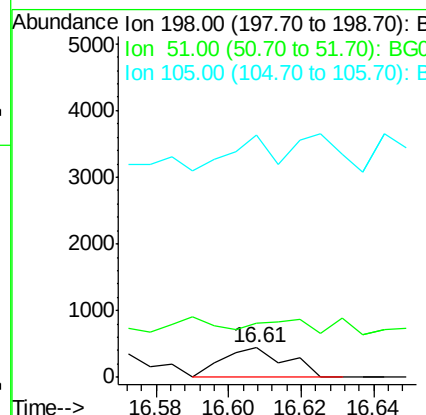
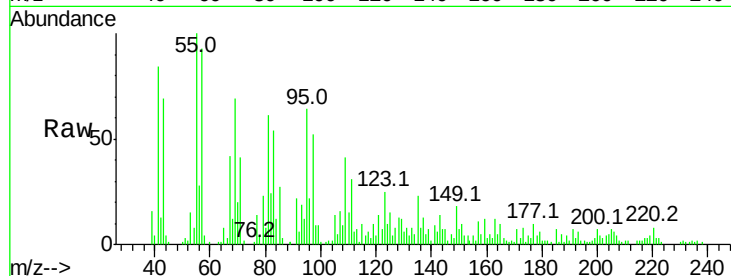




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.513 ng
 RT: 16.61 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: BG032896.D
 Acq: 28 Feb 2018 20:28

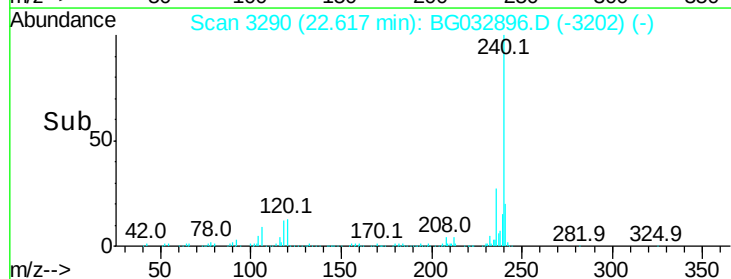
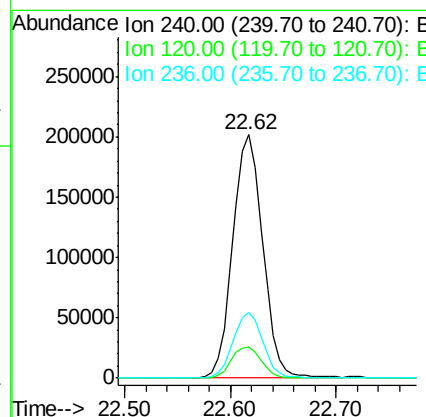
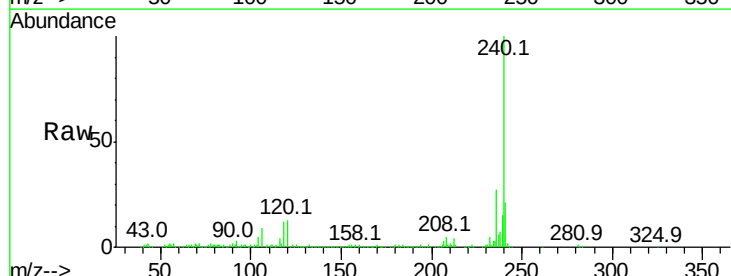
Instrument :
 BNA_G
 ClientSampled :

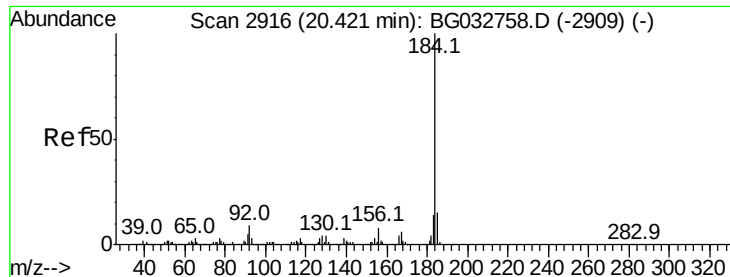
Tot Ion:198 Resp: 547
 Ion Ratio Lower Upper
 198 100
 51 182.8 30.6 70.6#
 105 819.2 23.8 63.8#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.01 min
 Lab File: BG032896.D
 Acq: 28 Feb 2018 20:28

Tgt Ion:240 Resp: 396747
 Ion Ratio Lower Upper
 240 100
 120 12.9 6.8 10.2#
 236 27.2 20.9 31.3

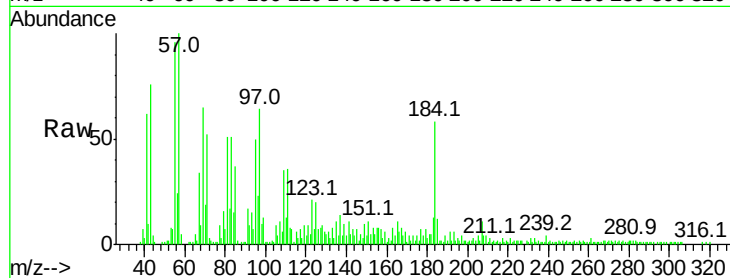




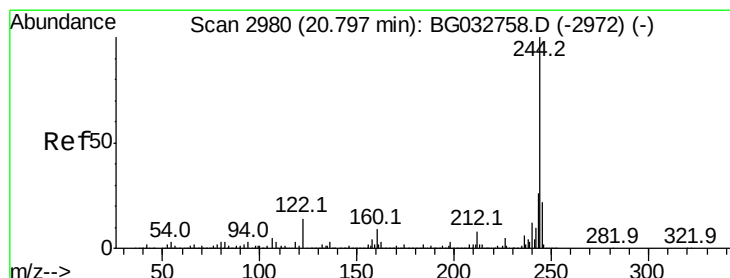
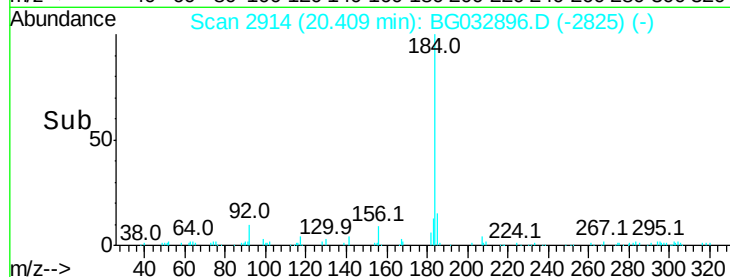
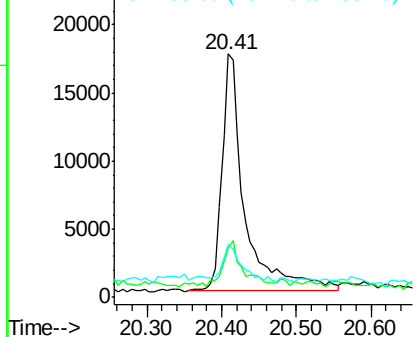
#76
Benzidine
Concen: 2.681 ng
RT: 20.41 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
184	100		
185	20.1	11.1	16.7#
183	21.8	10.6	16.0#

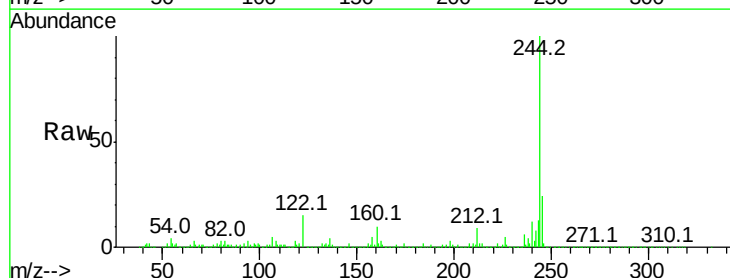


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

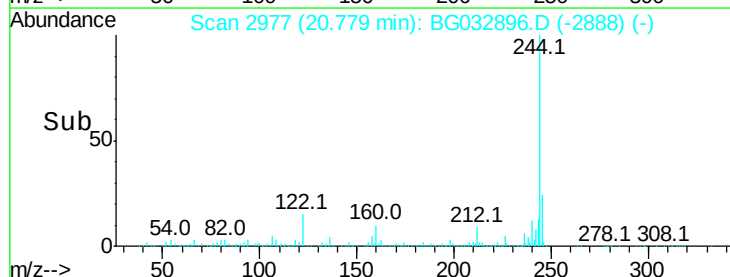
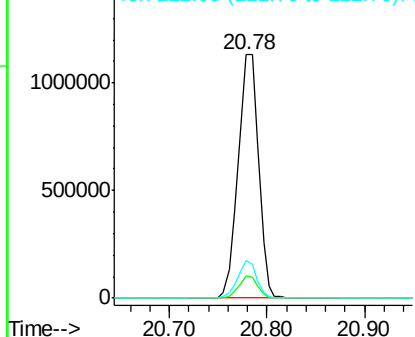


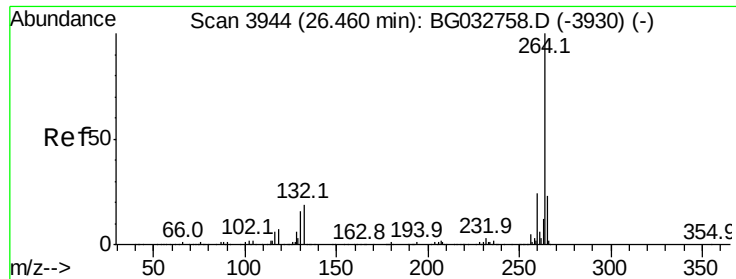
#78
Terphenyl-d14
Concen: 93.746 ng
RT: 20.78 min Scan# 2977
Delta R.T. -0.01 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.8	8.8#
122	15.4	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

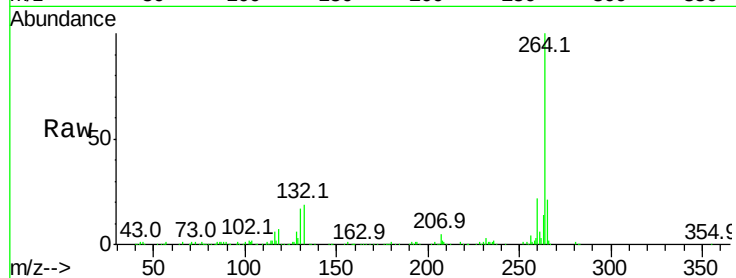




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3939
Delta R.T. -0.01 min
Lab File: BG032896.D
Acq: 28 Feb 2018 20:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	20.5	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

