

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
 Data File : BG031506.D
 Acq On : 13 Dec 2017 00:33
 Operator : SJ/JU
 Sample : I6772-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

Quant Time: Dec 13 05:57:33 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	82356	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	344155	20.00	ng	0.00
38) Acenaphthene-d10	14.74	164	204960	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	458802	20.00	ng	0.00
75) Chrysene-d12	21.76	240	519918	20.00	ng	0.00
86) Perylene-d12	25.05	264	528568	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	218887	47.11	ng	0.00
7) Phenol-d6	7.30	99	177826	27.57	ng	0.03
23) Nitrobenzene-d5	9.28	82	506709	90.75	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	250015	104.12	ng	0.01
44) 2-Fluorobiphenyl	13.36	172	1467562	105.10	ng	0.00
78) Terphenyl-d14	20.08	244	1843577	80.68	ng	0.00

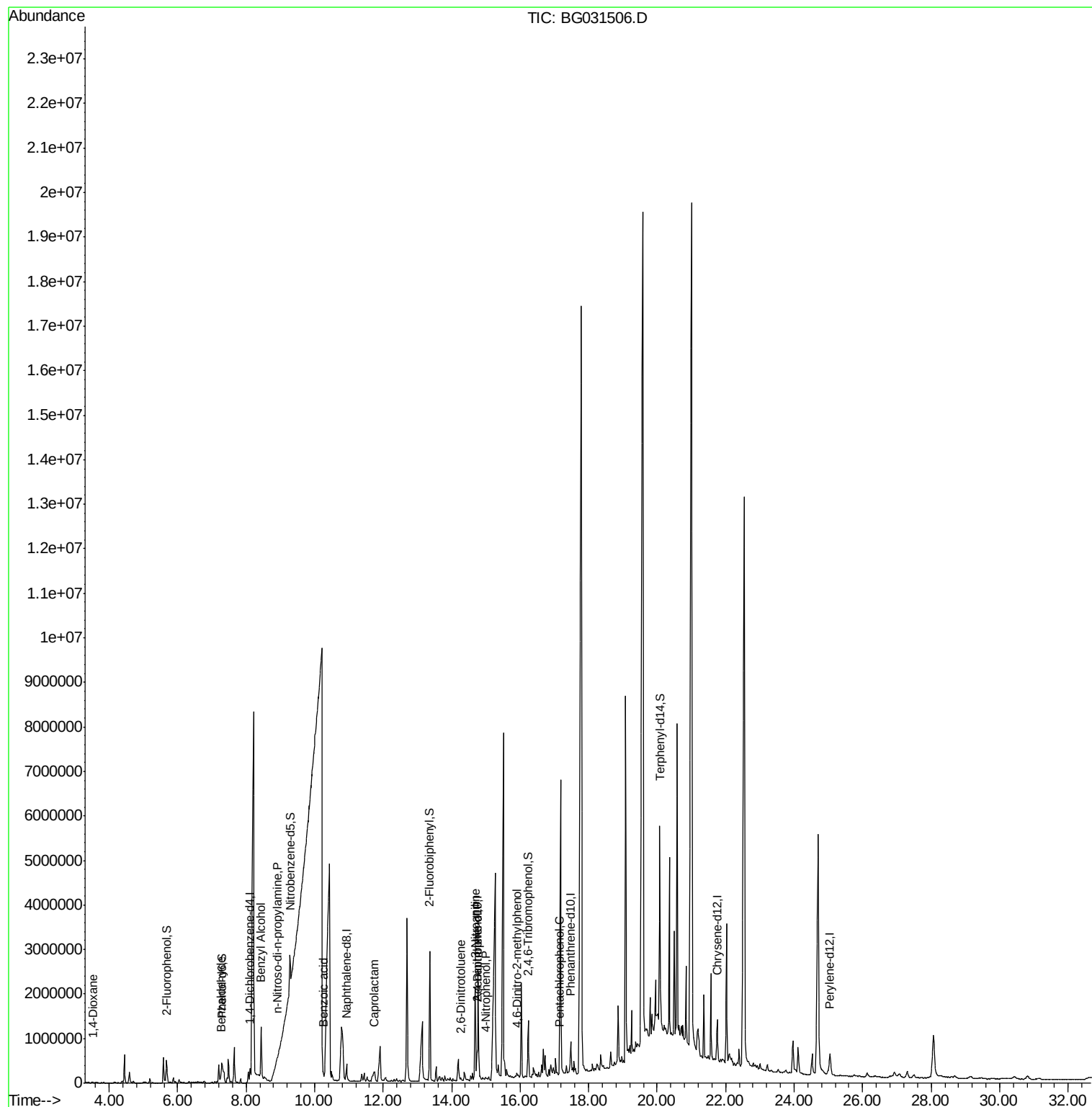
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	5743	2.591	ng	# 75
9) Benzaldehyde	7.26	77	7786	2.083	ng	# 97
15) Benzyl Alcohol	8.43	79	14759	2.925	ng	# 50
19) n-Nitroso-di-n-propylamine	8.90	70	91829	18.088	ng	# 53
32) Benzoic acid	10.25	122	169	7.027	ng	# 56
35) Caprolactam	11.73	113	96247	48.406	ng	# 21
50) 2,6-Dinitrotoluene	14.27	165	7443	2.052	ng	# 24
52) 3-Nitroaniline	14.70	138	8270	2.237	ng	# 8
53) 2,4-Dinitrophenol	14.75	184	502	9.345	ng	# 66
55) 4-Nitrophenol	14.99	139	472	3.723	ng	# 78
64) 4,6-Dinitro-2-methylphenol	15.91	198	119	4.947	ng	# 1
69) Pentachlorophenol	17.13	266	342	5.782	ng	# 53

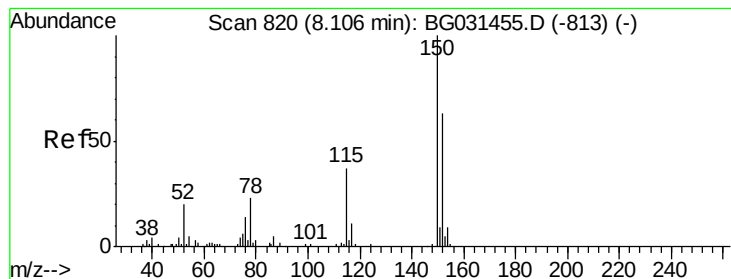
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 820

Delta R.T. 0.00 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Instrument :

BNA_G

ClientSampled :

EFE-WW

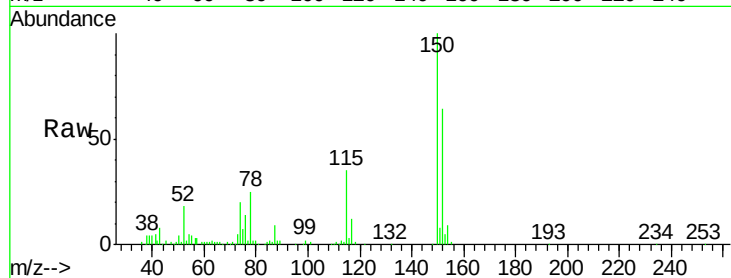
Tot Ion:152 Resp: 82356

Ion Ratio Lower Upper

152 100

150 156.8 126.6 189.8

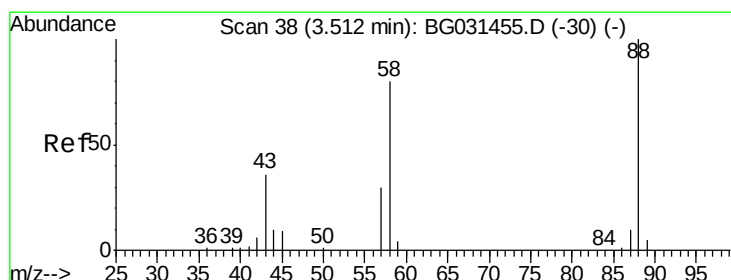
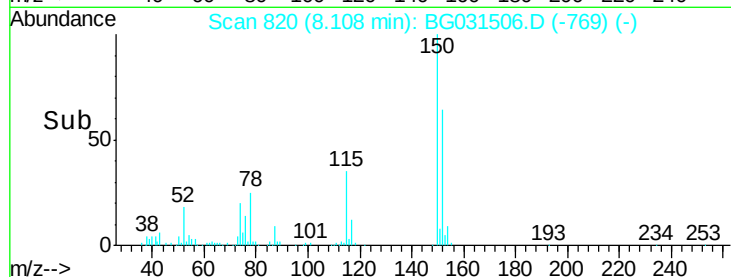
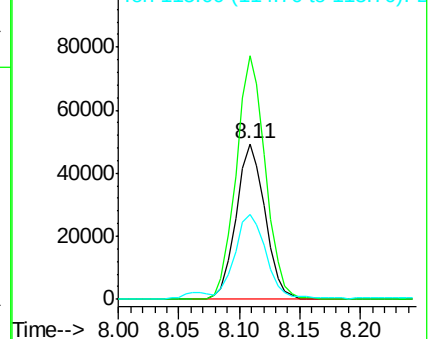
115 54.7 53.0 79.4



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: 2.591 ng

RT: 3.52 min Scan# 39

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

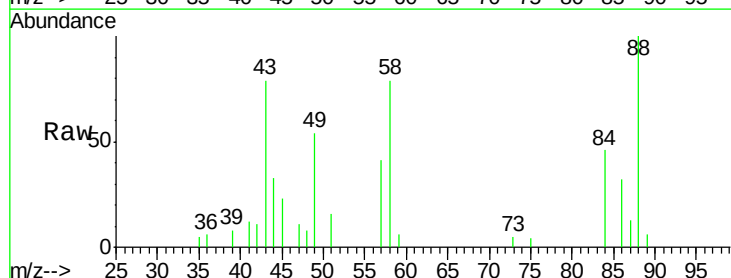
Tgt Ion: 88 Resp: 5743

Ion Ratio Lower Upper

88 100

58 71.4 79.6 119.4#

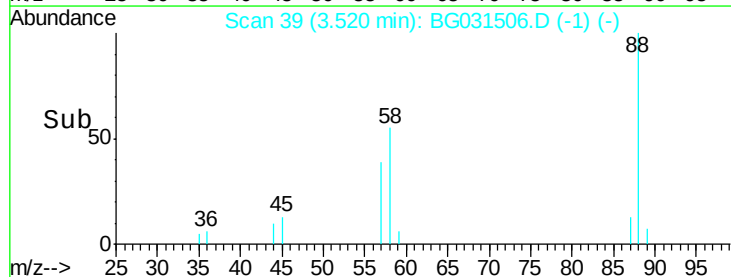
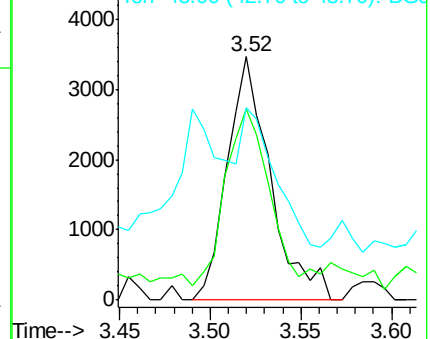
43 43.1 27.4 41.0#

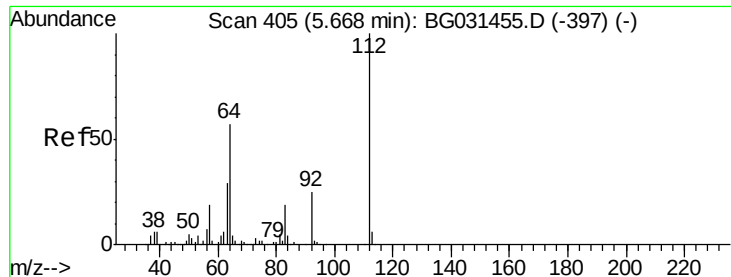


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 47.110 ng

RT: 5.68 min Scan# 406

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Instrument :

BNA_G

ClientSampleId :

EFE-WW

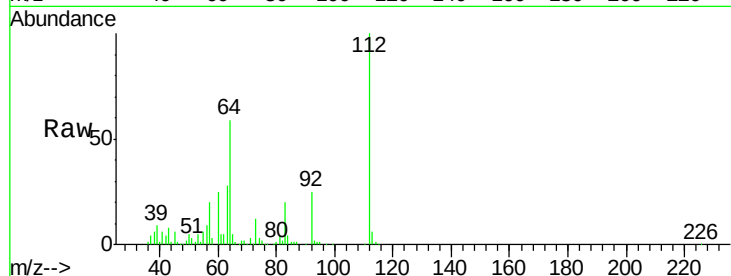
Tot Ion:112 Resp: 21887

Ion Ratio Lower Upper

112 100

64 59.0 56.3 84.5

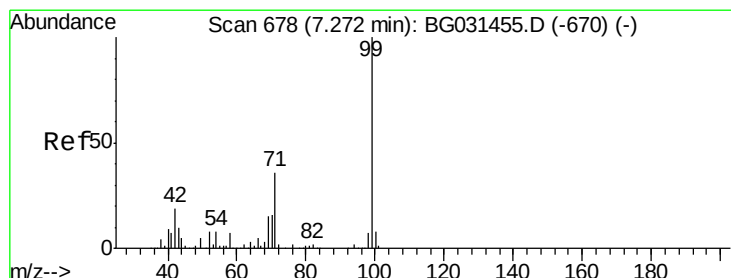
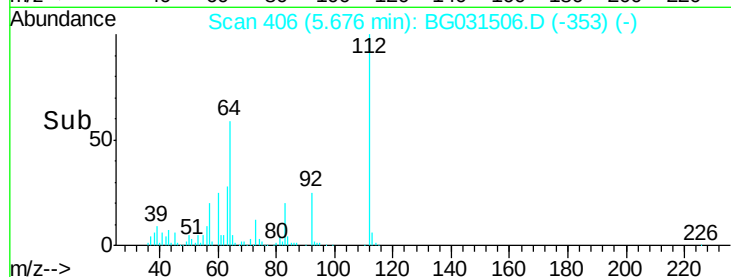
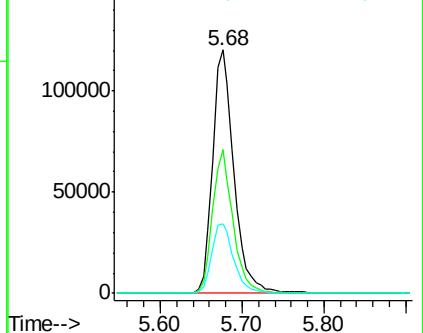
63 28.3 30.1 45.1#



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: 27.569 ng

RT: 7.30 min Scan# 682

Delta R.T. 0.03 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

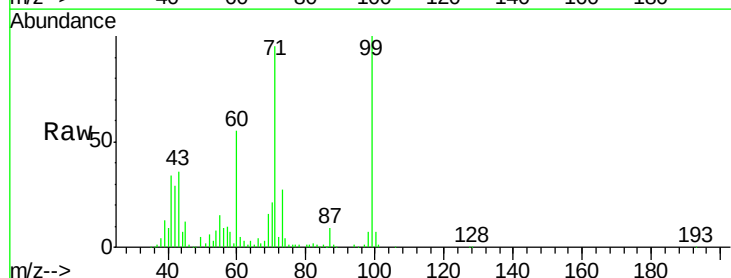
Tgt Ion: 99 Resp: 177826

Ion Ratio Lower Upper

99 100

42 29.1 14.1 21.1#

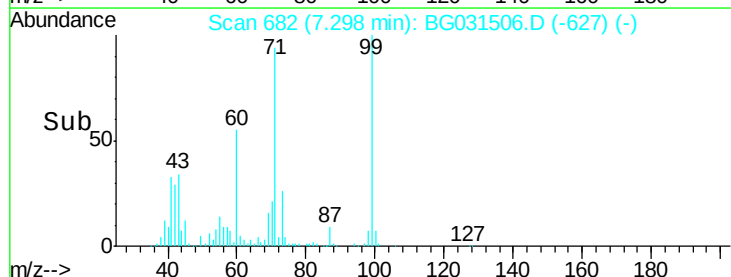
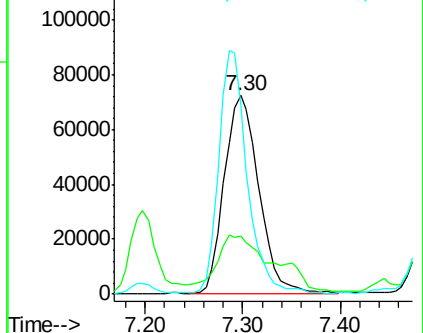
71 94.8 26.1 39.1#

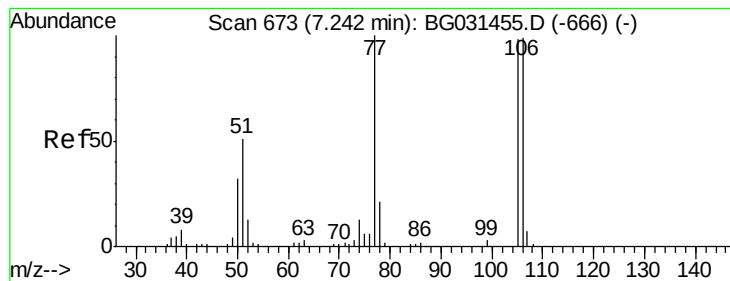


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 2.083 ng

RT: 7.26 min Scan# 675

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Instrument :

BNA_G

ClientSampled :

EFE-WW

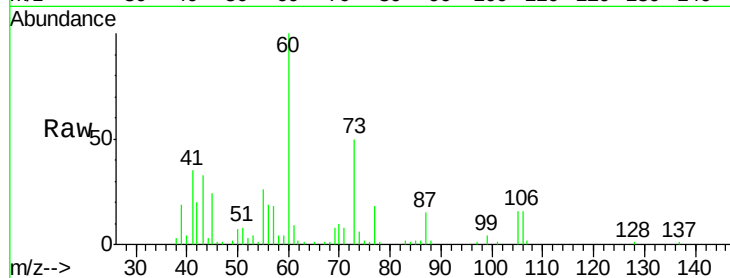
Tot Ion: 77 Resp: 7786

Ion Ratio Lower Upper

77 100

105 92.8 71.3 111.3

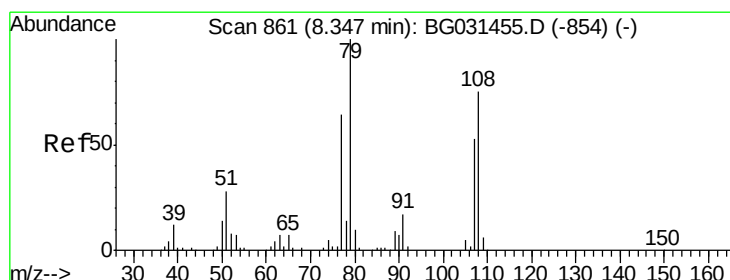
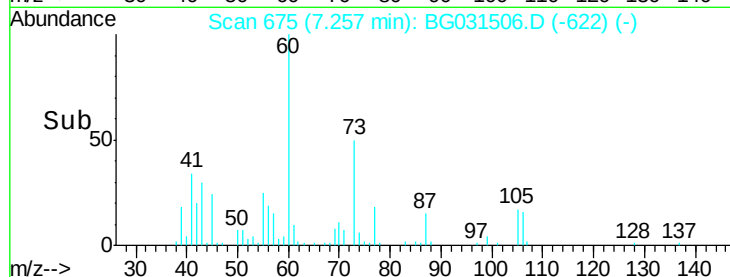
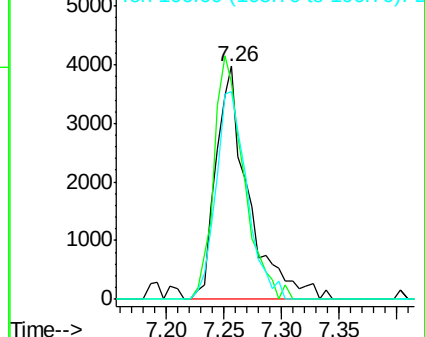
106 89.1 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#15

Benzyl Alcohol

Concen: 2.925 ng

RT: 8.43 min Scan# 875

Delta R.T. 0.08 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

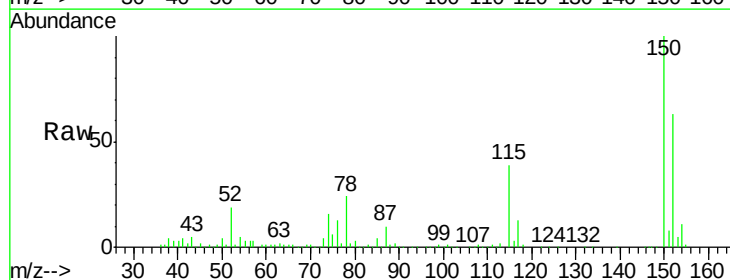
Tgt Ion: 79 Resp: 14759

Ion Ratio Lower Upper

79 100

108 35.6 57.2 85.8#

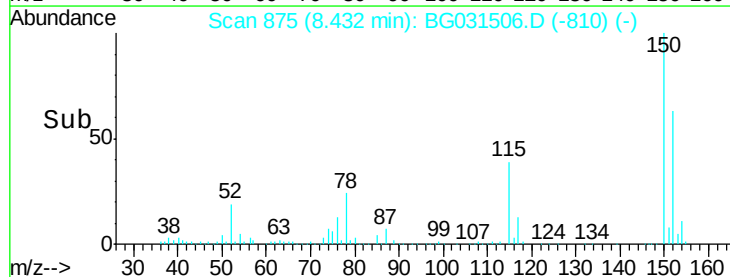
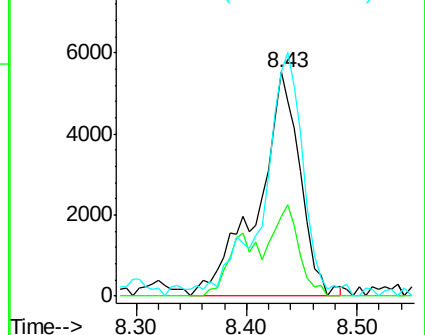
77 100.3 46.1 69.1#

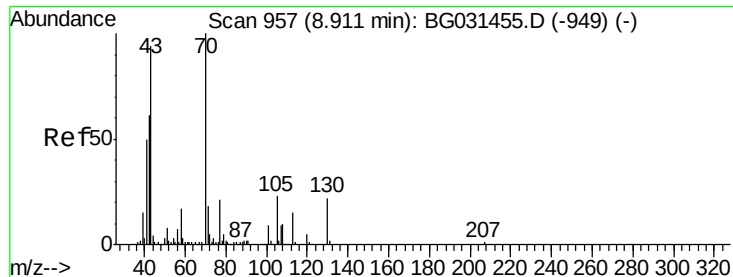


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 18.088 ng

RT: 8.90 min Scan# 955

Delta R.T. -0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Instrument :

BNA_G

ClientSampleId :

EFE-WW

Tot Ion: 70 Resp: 91829

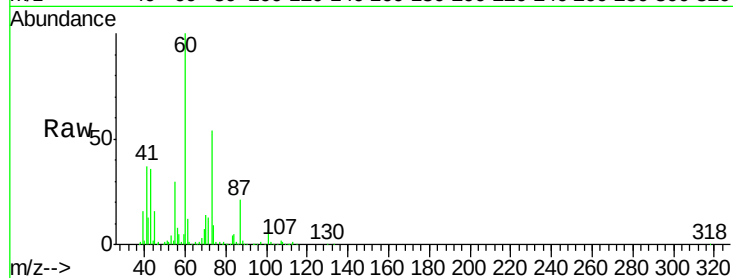
Ion Ratio Lower Upper

70 100

42 91.8 49.1 73.7#

101 51.3 8.5 12.7#

130 1.4 13.4 20.0#

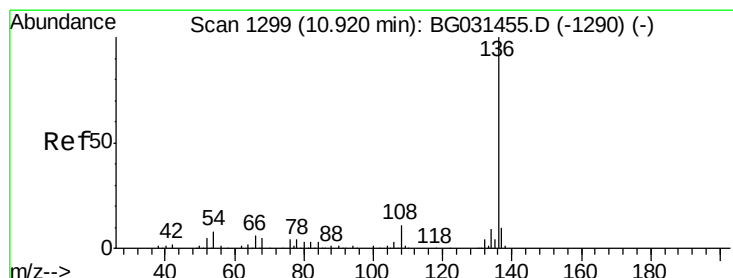
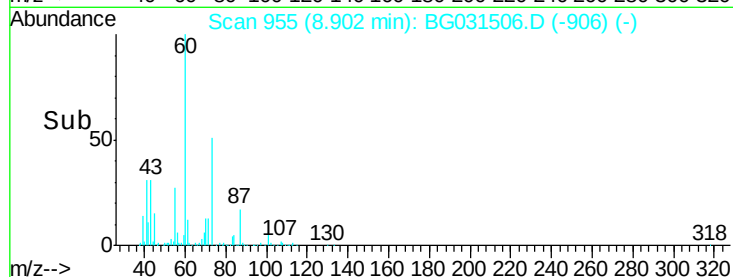
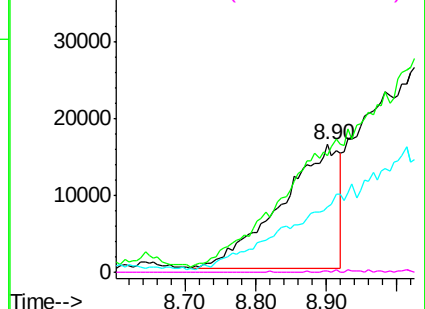


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Tgt Ion: 136 Resp: 344155

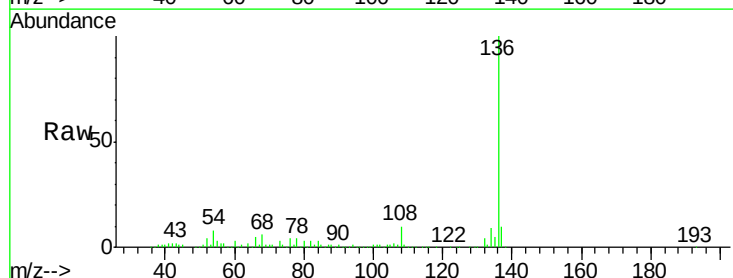
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 8.4 10.3 15.5#

68 5.5 4.5 6.7

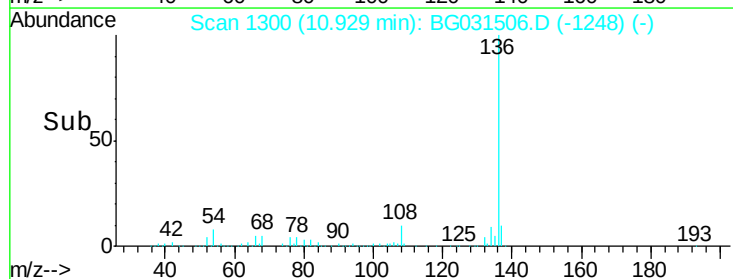
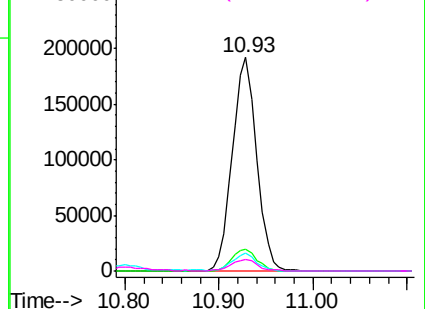


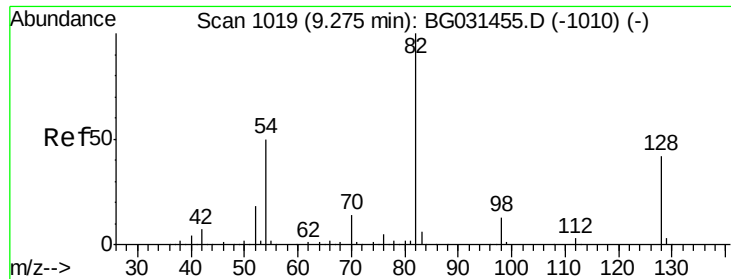
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

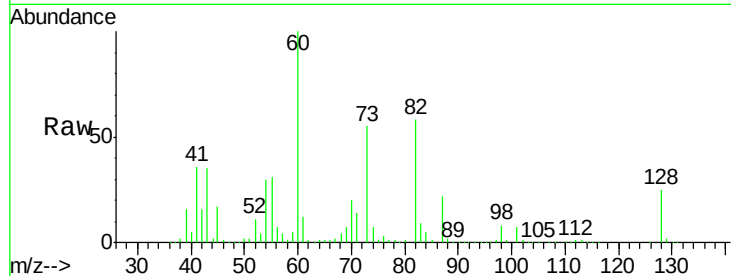




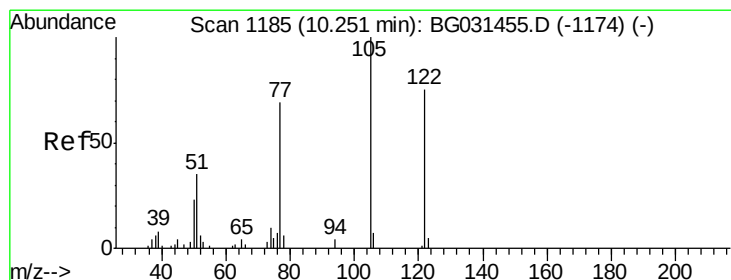
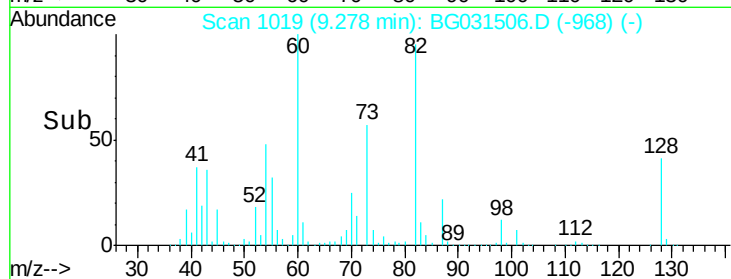
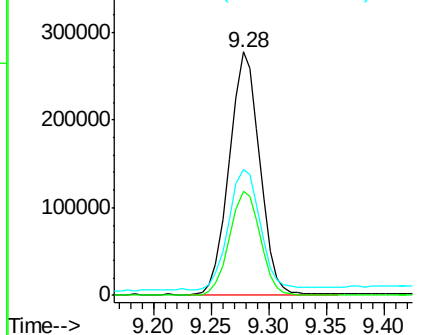
#23
 Nitrobenzene-d5
 Concen: 90.749 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

Tot Ion	82	Resp	506709
Ion Ratio	Lower	Upper	
82	100		
128	42.8	29.7	44.5
54	51.8	43.1	64.7

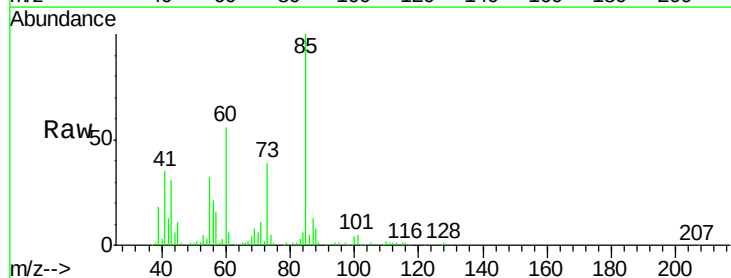


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

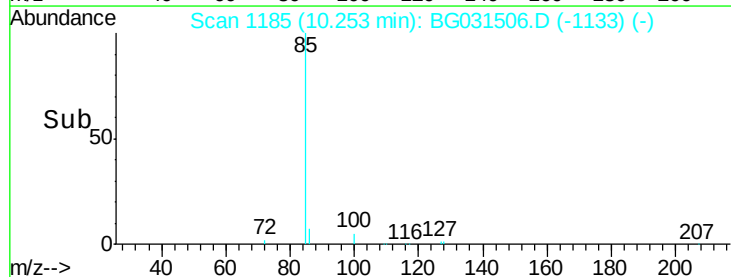
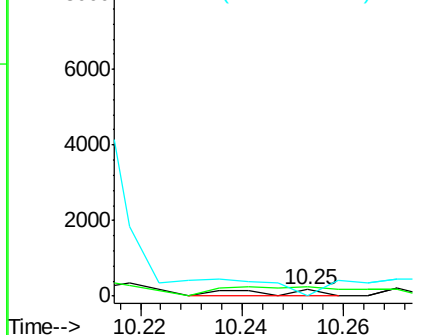


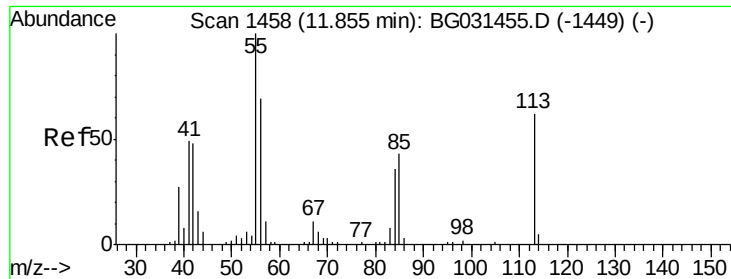
#32
 Benzoic acid
 Concen: 7.027 ng
 RT: 10.25 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Tgt Ion	122	Resp	169
Ion Ratio	Lower	Upper	
122	100		
105	142.1	123.5	163.5
77	0.0	85.7	125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC

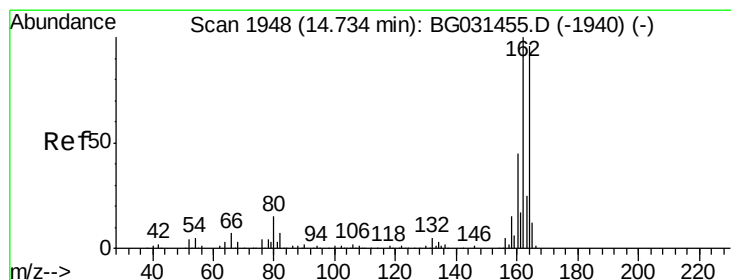
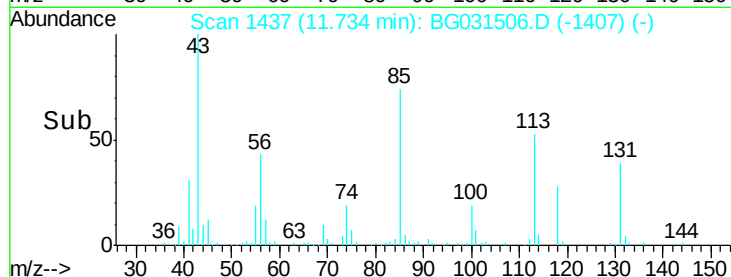
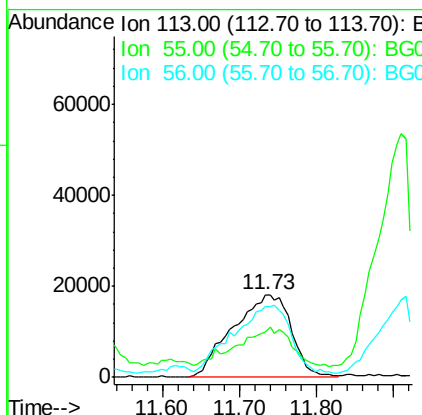
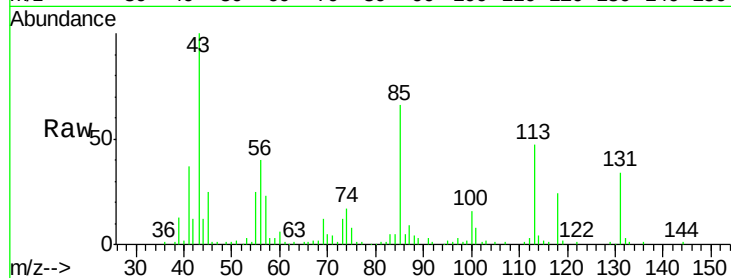




#35
 Caprolactam
 Concen: 48.406 ng
 RT: 11.73 min Scan# 1437
 Delta R.T. -0.12 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

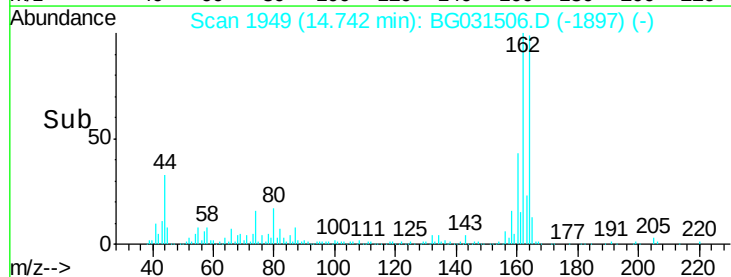
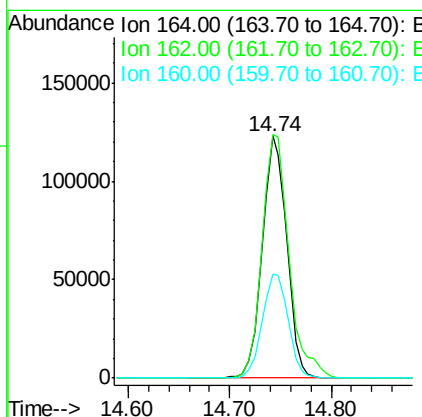
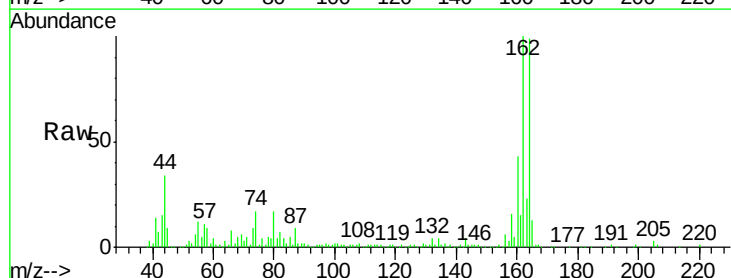
Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

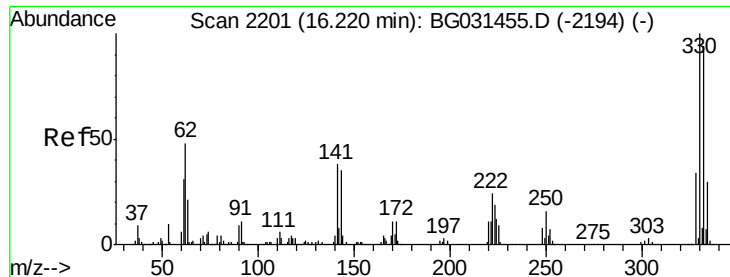
Tot Ion:113 Resp: 96247
 Ion Ratio Lower Upper
 113 100
 55 54.2 186.9 226.9#
 56 85.8 130.9 170.9#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. 0.01 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Tgt Ion:164 Resp: 204960
 Ion Ratio Lower Upper
 164 100
 162 100.7 78.8 118.2
 160 42.8 35.4 53.0

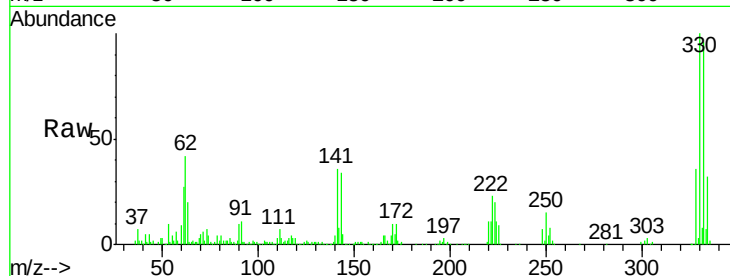




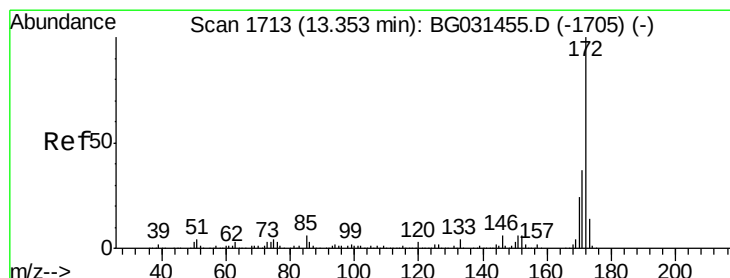
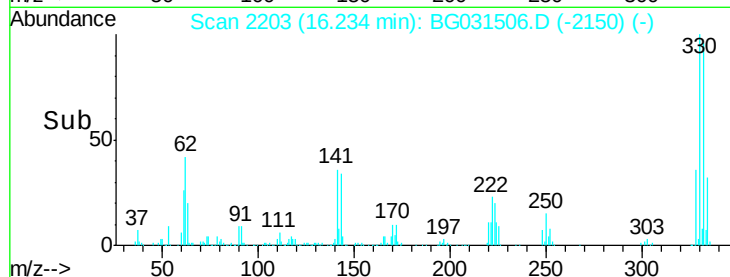
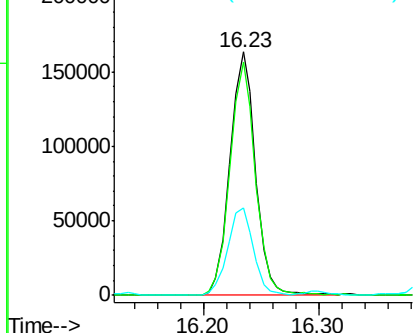
#41
 2,4,6-Tribromophenol
 Concen: 104.121 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.01 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	35.9	25.2	37.8

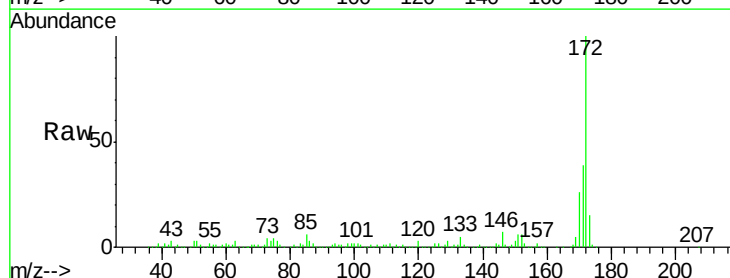


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

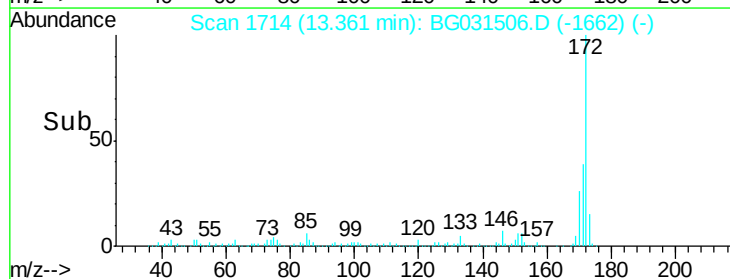
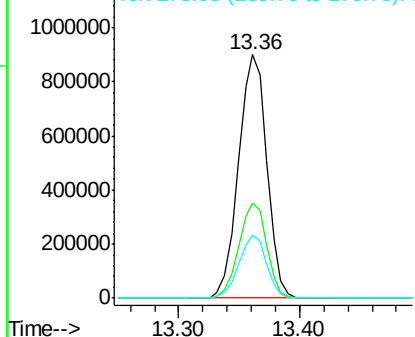


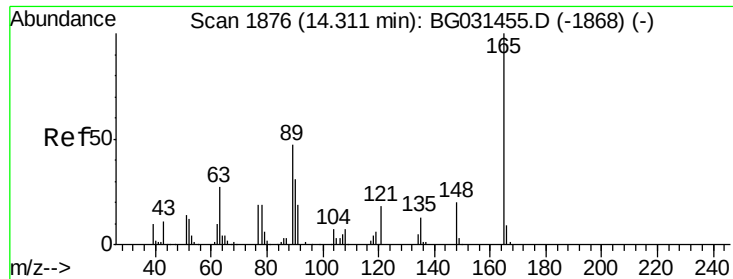
#44
 2-Fluorobiphenyl
 Concen: 105.103 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	30.0	45.0
170	25.8	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

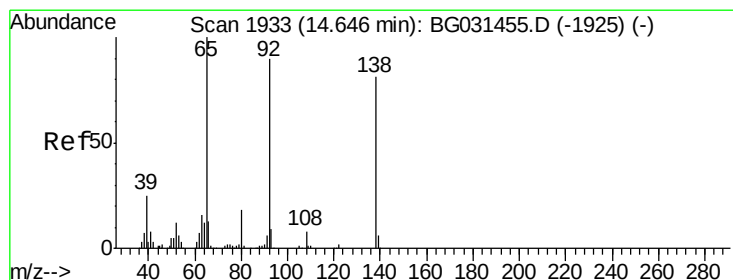
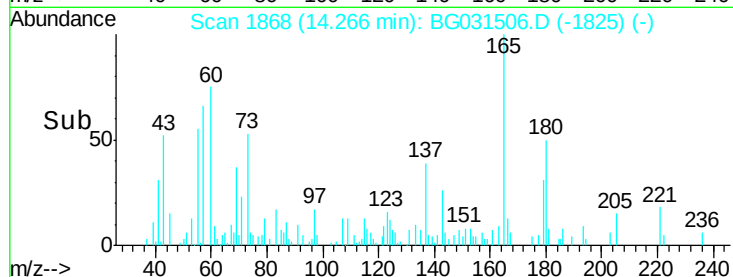
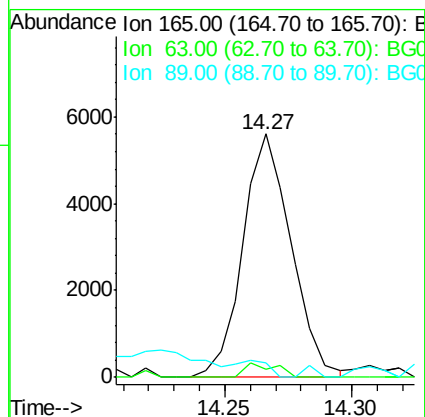
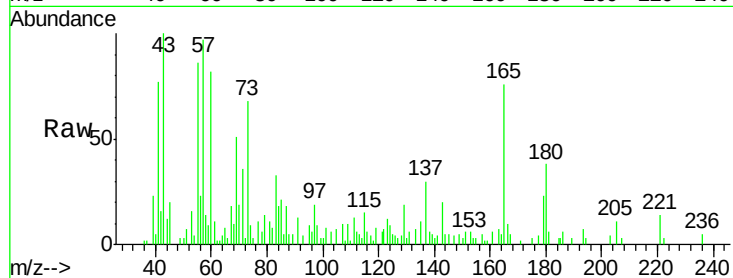




#50
 2,6-Dinitrotoluene
 Concen: 2.052 ng
 RT: 14.27 min Scan# 1868
 Delta R.T. -0.04 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

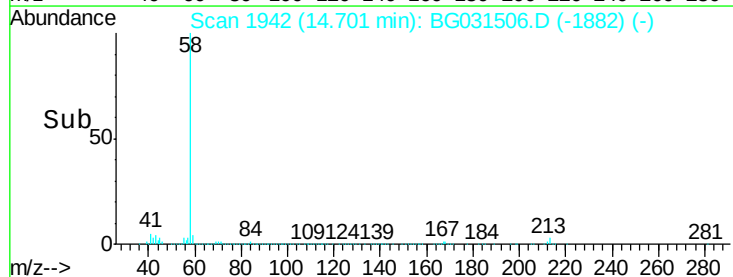
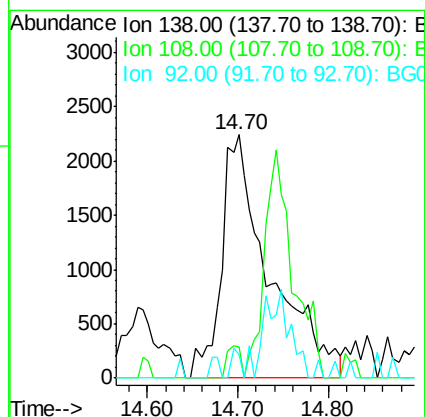
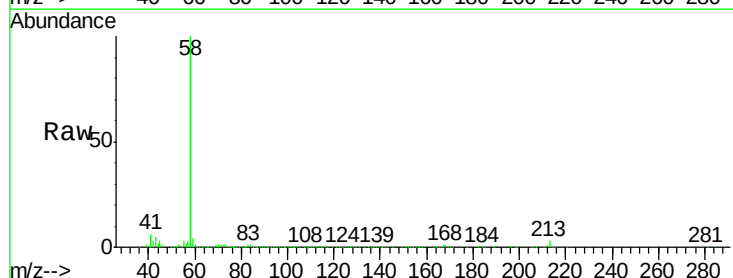
Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

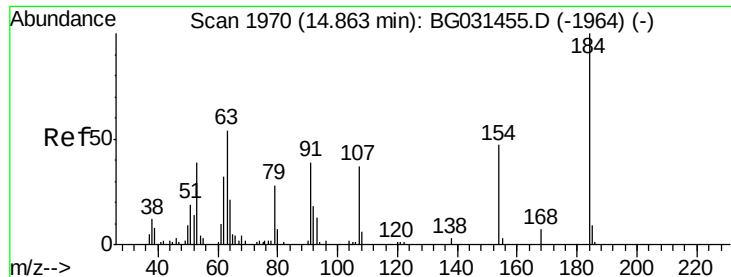
Tot Ion:165 Resp: 7443
 Ion Ratio Lower Upper
 165 100
 63 3.2 52.7 79.1#
 89 6.0 49.2 73.8#



#52
 3-Nitroaniline
 Concen: 2.237 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.06 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Tgt Ion:138 Resp: 8270
 Ion Ratio Lower Upper
 138 100
 108 12.6 17.5 26.3#
 92 9.8 105.8 158.8#

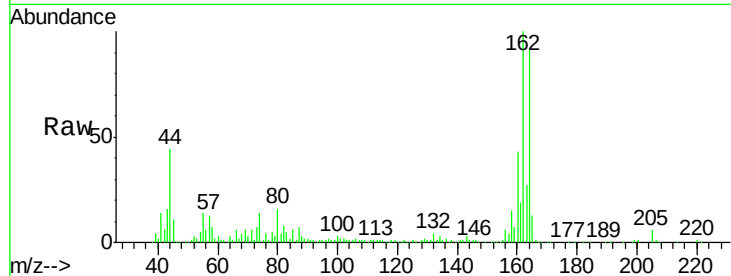




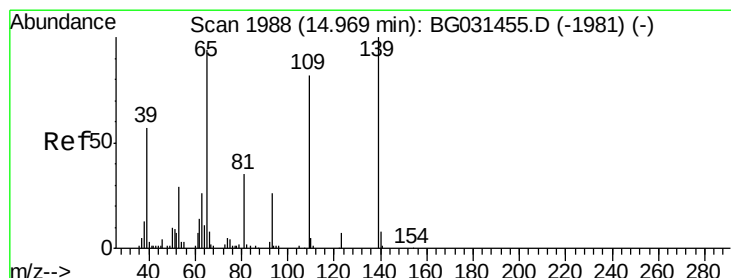
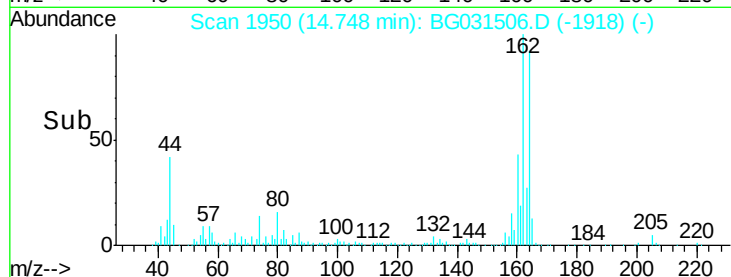
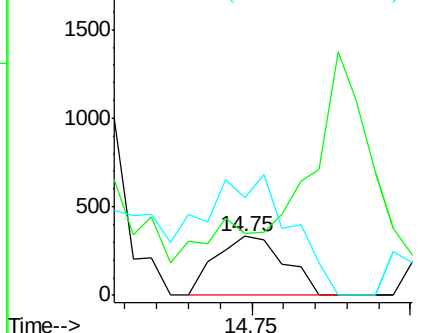
#53
2,4-Dinitrophenol
Concen: 9.345 ng
RT: 14.75 min Scan# 1950
Delta R.T. -0.11 min
Lab File: BG031506.D
Acq: 13 Dec 2017 00:33

Instrument :
BNA_G
ClientSampleId :
EFE-WW

Tot Ion:184 Resp: 502
Ion Ratio Lower Upper
184 100
63 104.5 59.8 89.8#
154 166.6 101.8 152.8#

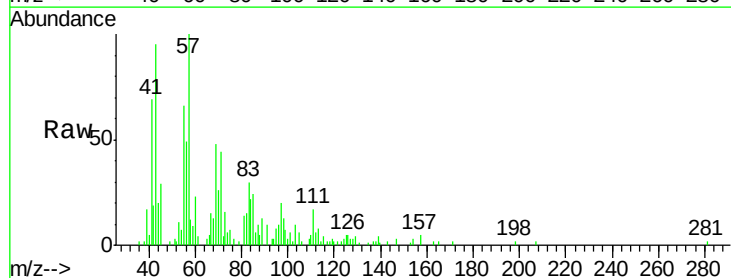


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

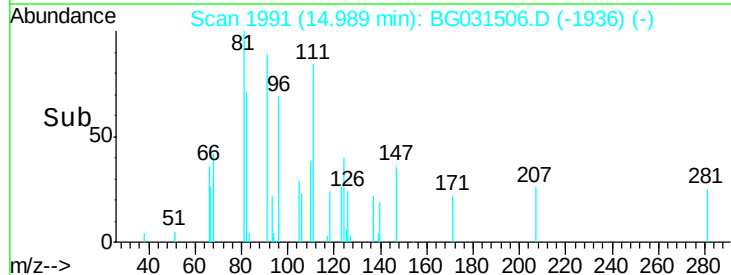
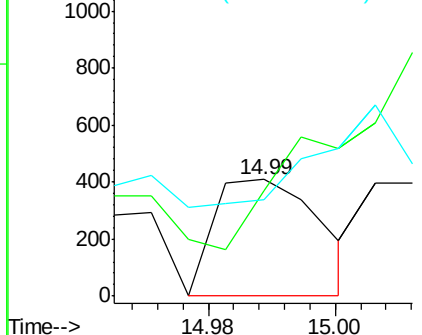


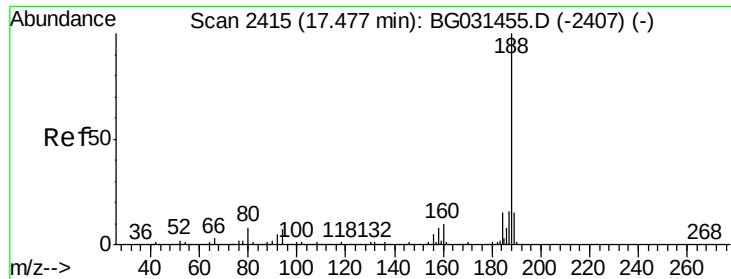
#55
4-Nitrophenol
Concen: 3.723 ng
RT: 14.99 min Scan# 1991
Delta R.T. 0.02 min
Lab File: BG031506.D
Acq: 13 Dec 2017 00:33

Tgt Ion:139 Resp: 472
Ion Ratio Lower Upper
139 100
109 90.7 62.2 102.2
65 83.1 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): BG

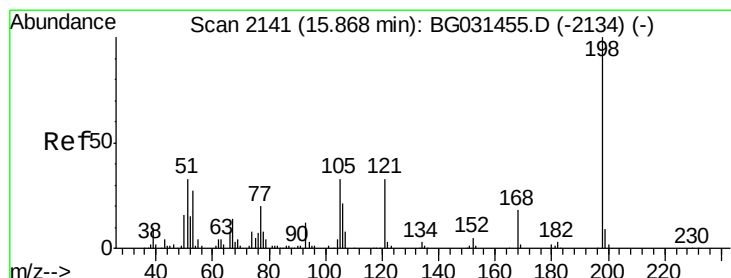
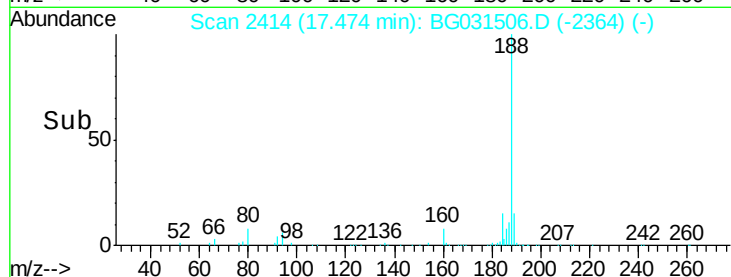
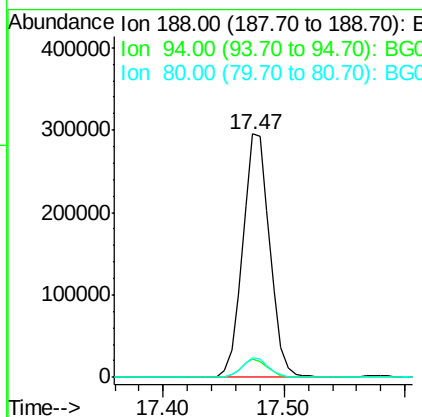
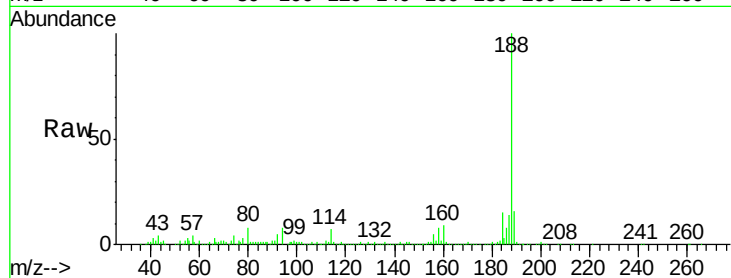




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BG031506.D
Acq: 13 Dec 2017 00:33

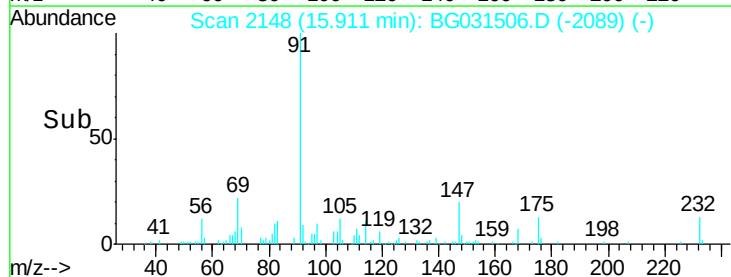
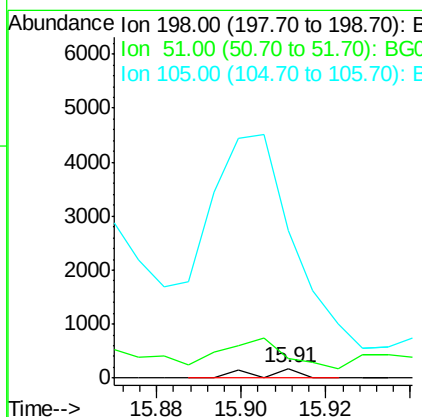
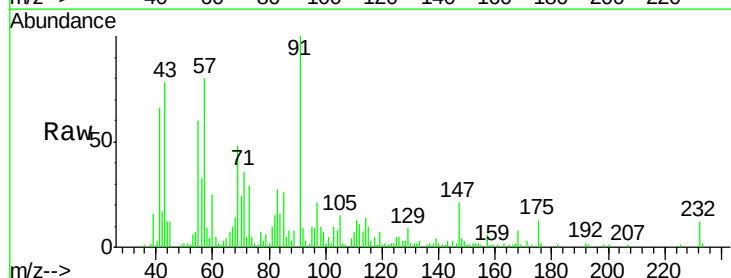
Instrument :
BNA_G
ClientSampleId :
EFE-WW

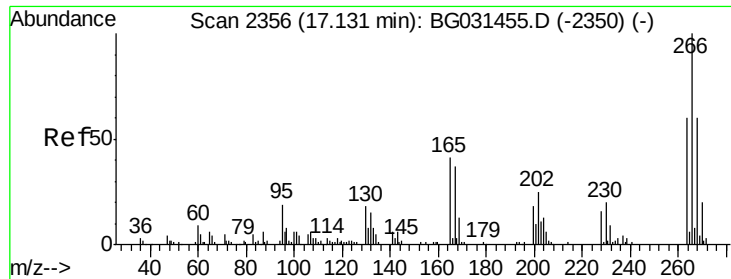
Tot Ion:188 Resp: 458802
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 8.2 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 4.947 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.04 min
Lab File: BG031506.D
Acq: 13 Dec 2017 00:33

Tgt Ion:198 Resp: 119
Ion Ratio Lower Upper
198 100
51 209.0 30.6 70.6#
105 1539.3 23.8 63.8#

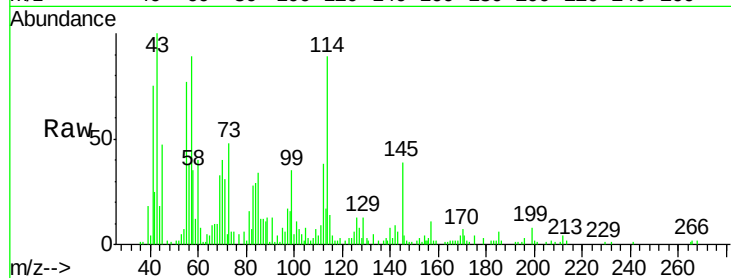




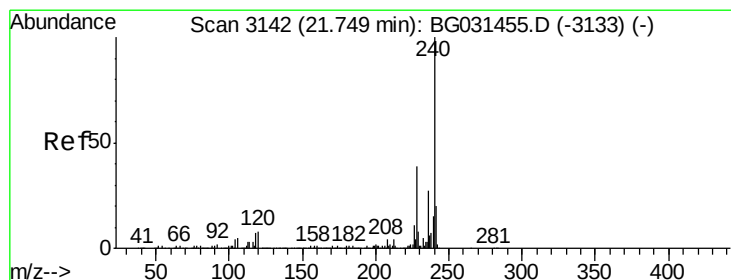
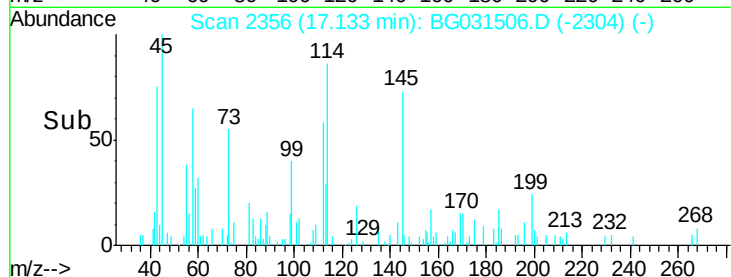
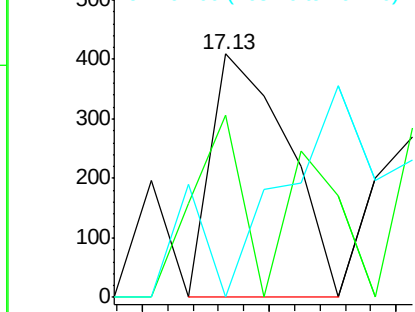
#69
 Pentachlorophenol
 Concen: 5.782 ng
 RT: 17.13 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Instrument :
 BNA_G
 ClientSampleId :
 EFE-WW

Tot Ion:266 Resp: 342
 Ion Ratio Lower Upper
 266 100
 268 75.1 51.1 76.7
 264 0.0 49.6 74.4#

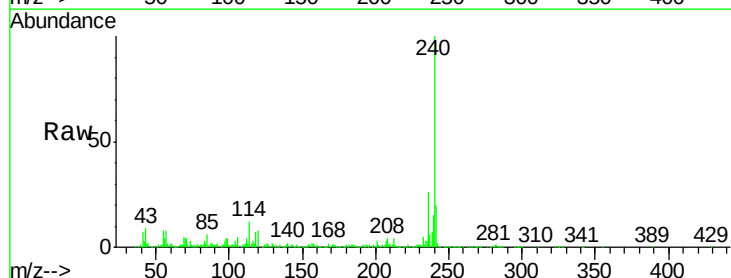


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

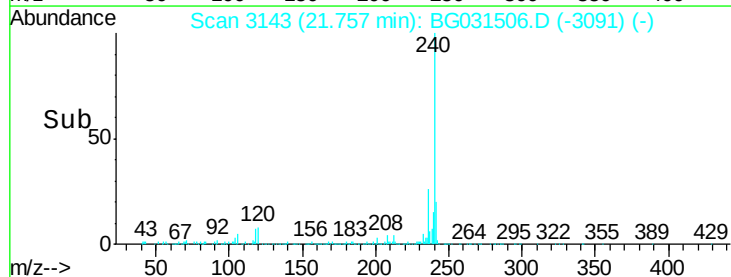
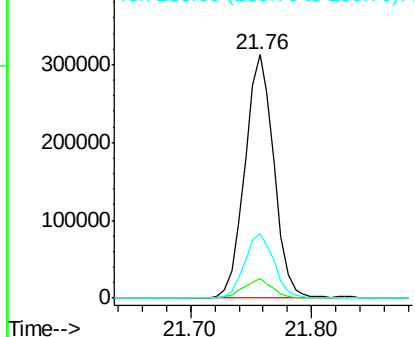


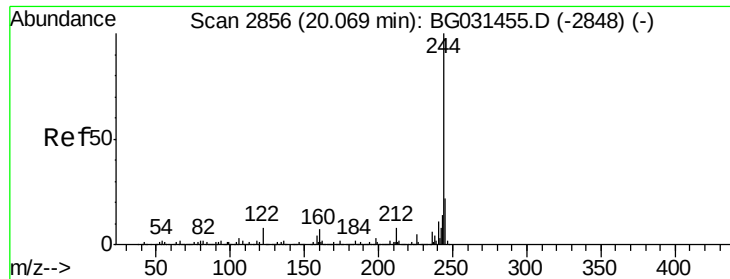
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3143
 Delta R.T. 0.01 min
 Lab File: BG031506.D
 Acq: 13 Dec 2017 00:33

Tgt Ion:240 Resp: 519918
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.8 10.2
 236 26.4 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





#78

Terphenyl-d14

Concen: 80.675 ng

RT: 20.08 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

Instrument :

BNA_G

ClientSampleId :

EFE-WW

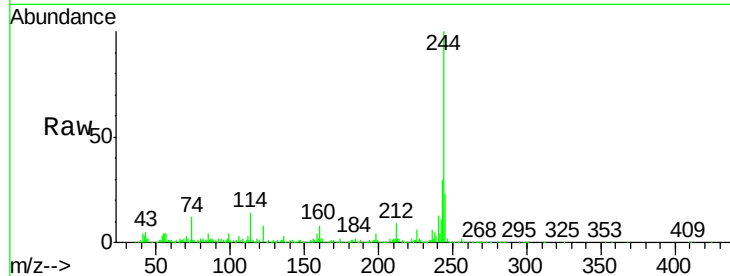
Tot Ion:244 Resp: 1843577

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

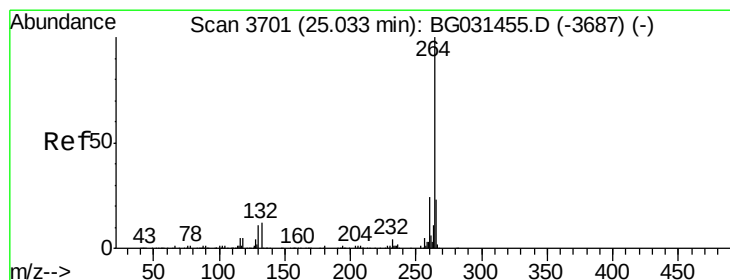
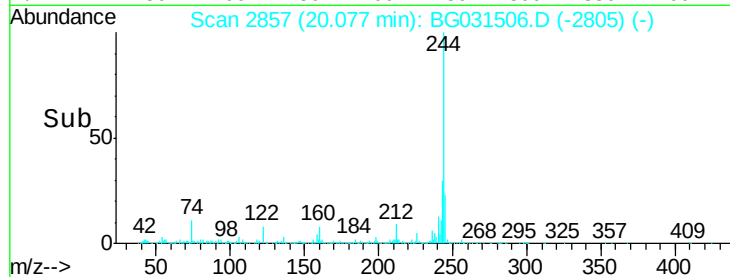
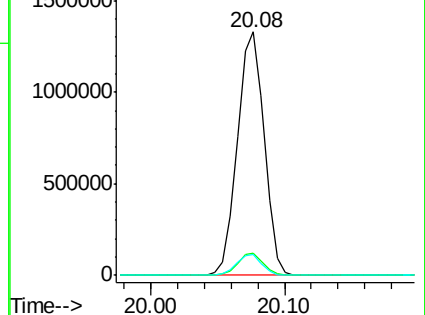
122 8.4 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.05 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BG031506.D

Acq: 13 Dec 2017 00:33

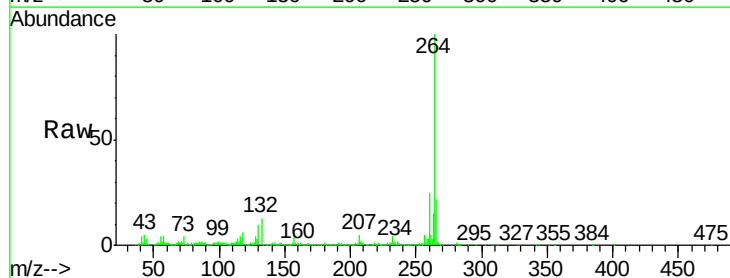
Tgt Ion:264 Resp: 528568

Ion Ratio Lower Upper

264 100

260 25.2 17.4 26.0

265 21.6 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

