

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032166.D
 Acq On : 20 Jan 2018 00:07
 Operator : SJ/JU
 Sample : J1185-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 20 01:02:03 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

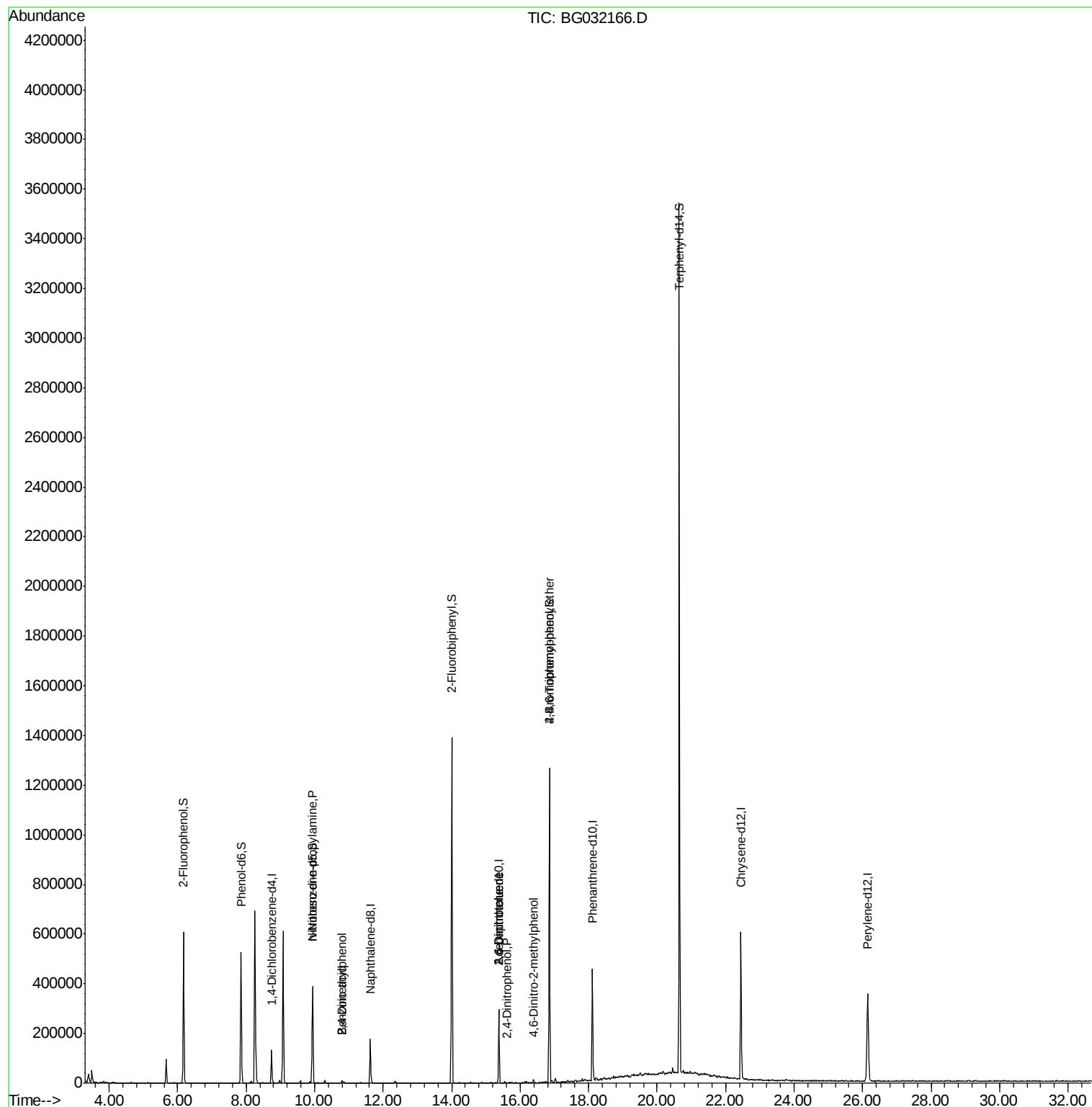
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	44527	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	168375	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	110225	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	306144	20.00	ng	0.00
75) Chrysene-d12	22.45	240	458776	20.00	ng	0.00
86) Perylene-d12	26.15	264	471857	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	300729	123.52	ng	0.00
7) Phenol-d6	7.85	99	328571	107.16	ng	0.00
23) Nitrobenzene-d5	9.94	82	260263	104.58	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	286287	156.96	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	847067	95.29	ng	0.00
78) Terphenyl-d14	20.65	244	1897808	91.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	35195	18.500	ng	Qvalue # 78
27) 2,4-Dimethylphenol	10.81	122	6939	2.973	ng	# 1
32) Benzoic acid	10.81	122	6939	8.556	ng	# 83
50) 2,6-Dinitrotoluene	15.38	165	14744	7.364	ng	# 18
53) 2,4-Dinitrophenol	15.62	184	55	7.014	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	14744	5.470	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.41	198	55	4.910	ng	# 16
66) 4-Bromophenyl-phenylether	16.85	248	24927	5.723	ng	# 1

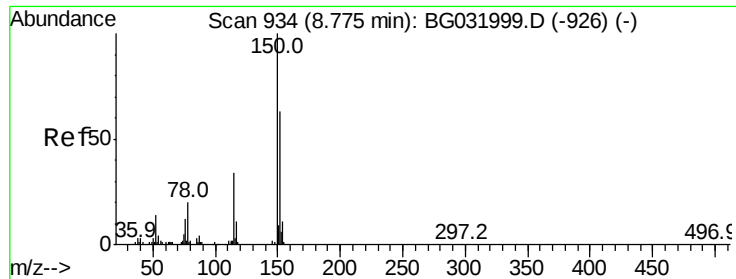
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 10:13:16 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. 0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Instrument :

BNA_G

ClientSampleId :

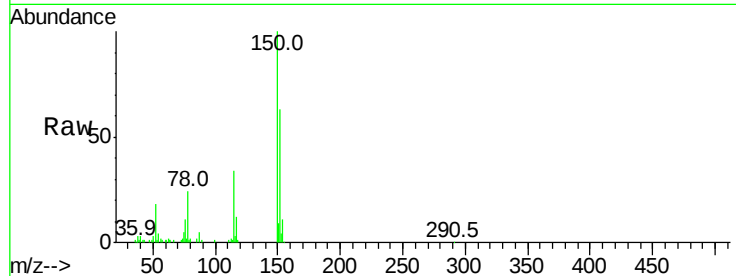
Tot Ion:152 Resp: 44527

Ion Ratio Lower Upper

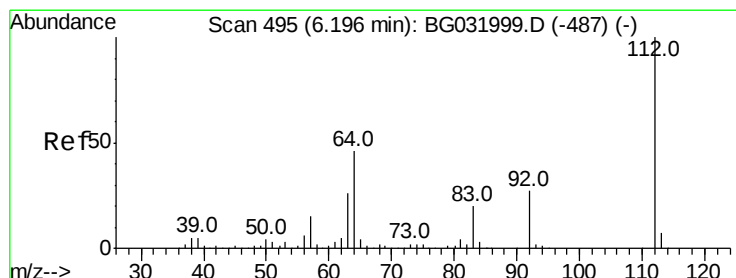
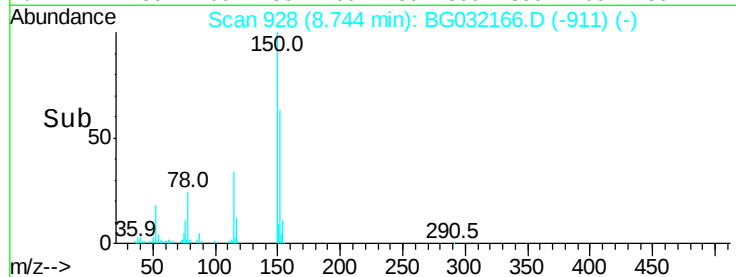
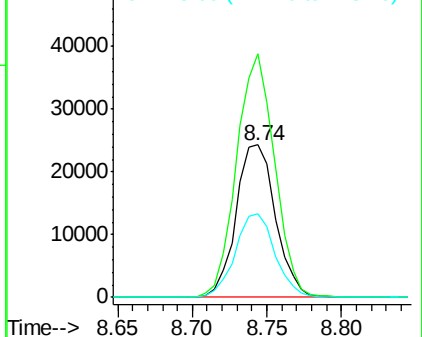
152 100

150 159.7 126.6 189.8

115 54.6 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: 123.524 ng

RT: 6.17 min Scan# 490

Delta R.T. 0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

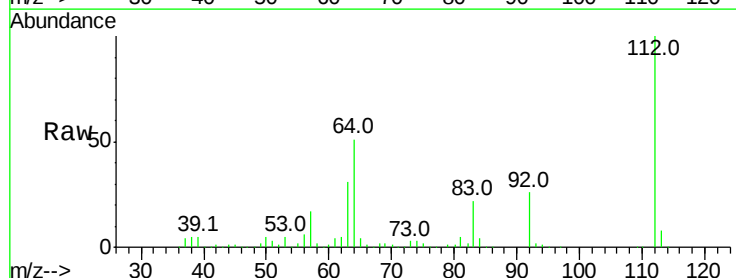
Tgt Ion:112 Resp: 300729

Ion Ratio Lower Upper

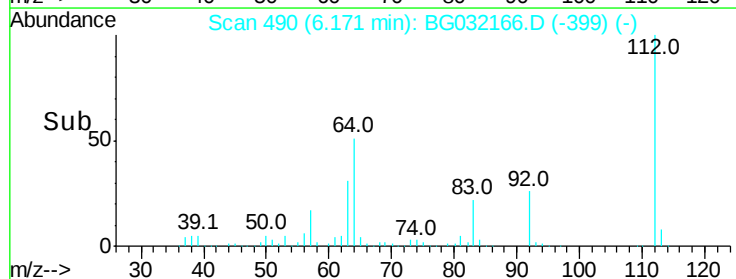
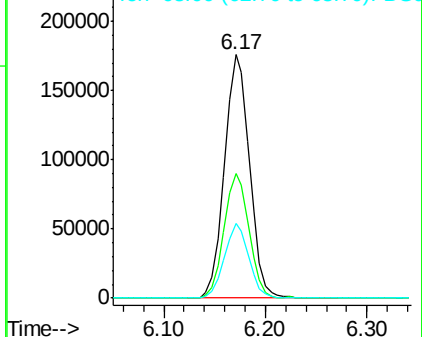
112 100

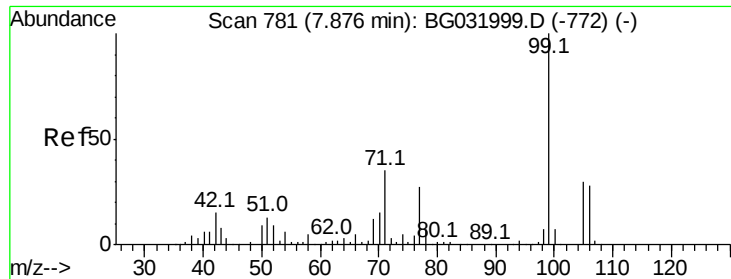
64 51.2 56.3 84.5#

63 30.8 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: 107.159 ng

RT: 7.85 min Scan# 776

Delta R.T. 0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Instrument :

BNA_G

ClientSampleId :

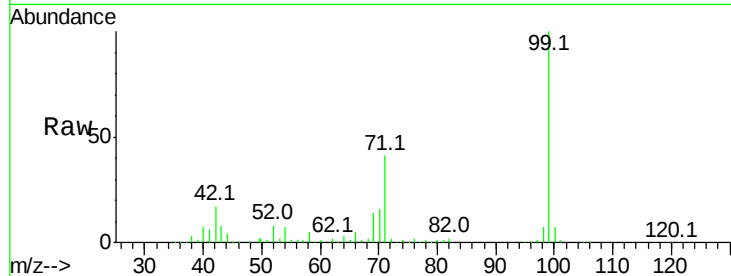
Tot Ion: 99 Resp: 328571

Ion Ratio Lower Upper

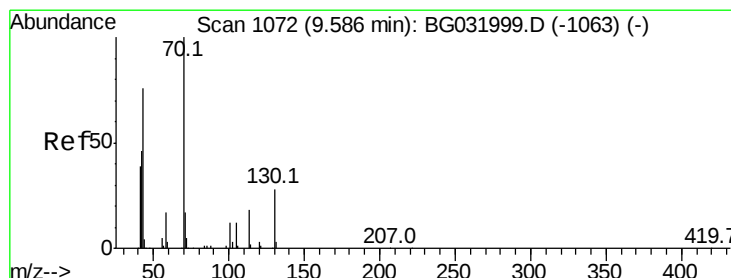
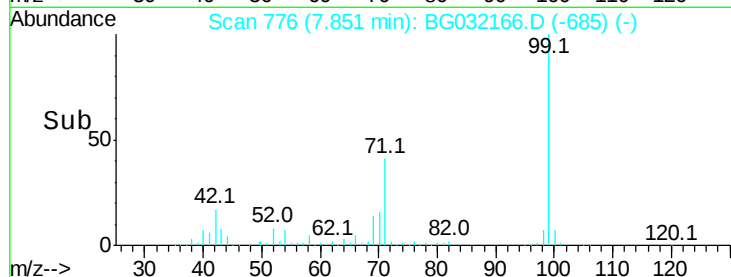
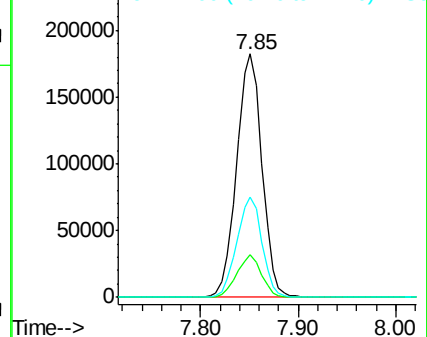
99 100

42 17.3 14.1 21.1

71 41.0 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: 18.500 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Tgt Ion: 70 Resp: 35195

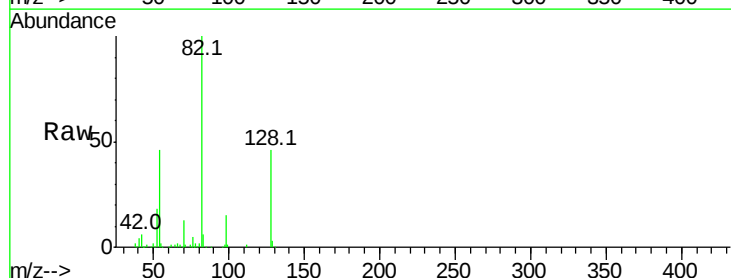
Ion Ratio Lower Upper

70 100

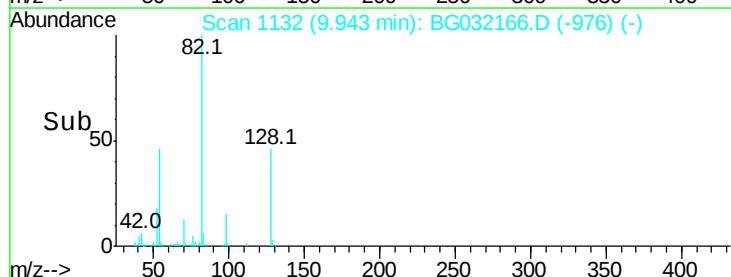
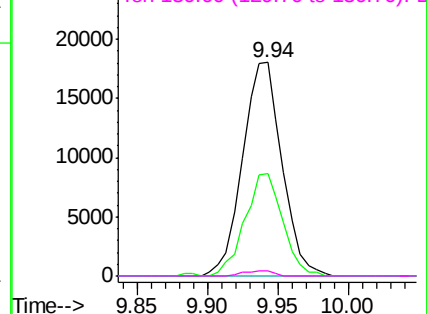
42 47.7 49.1 73.7#

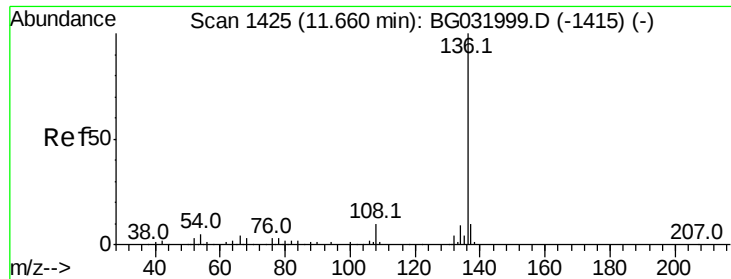
101 0.0 8.5 12.7#

130 2.4 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

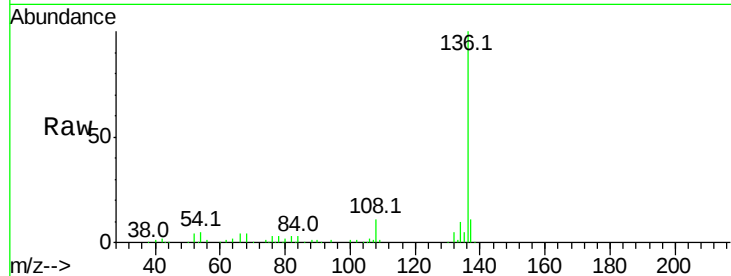




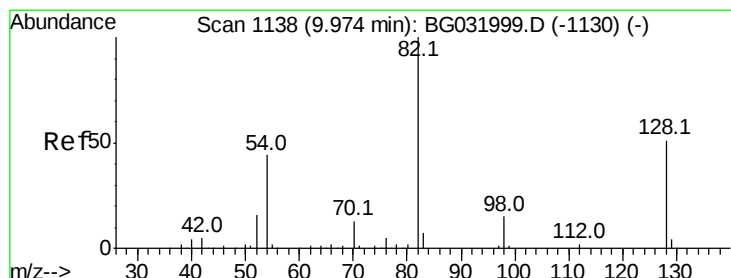
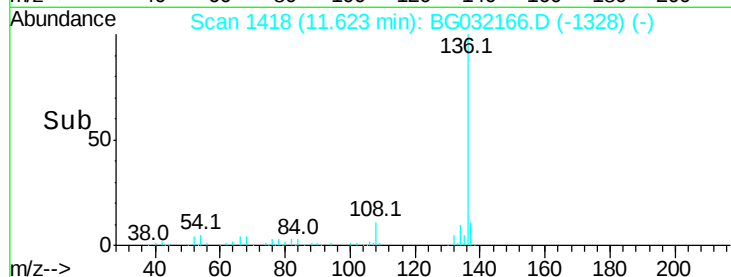
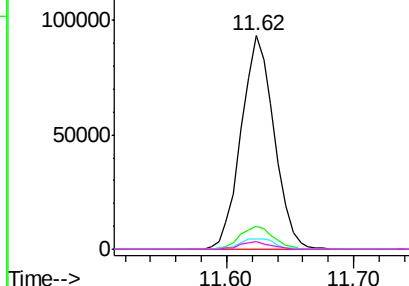
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BG032166.D
Acq: 20 Jan 2018 00:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	168375
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	5.0	10.3	15.5#
68	3.7	4.5	6.7#

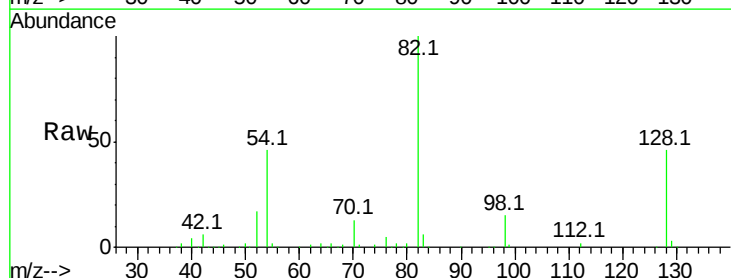


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

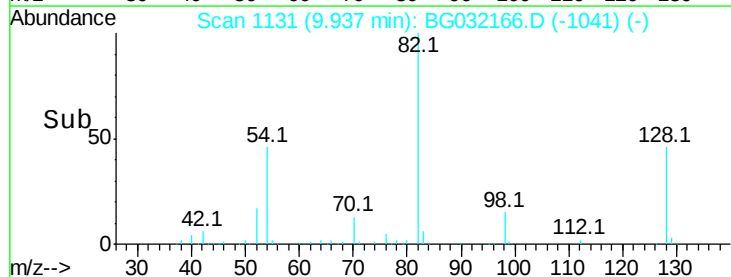
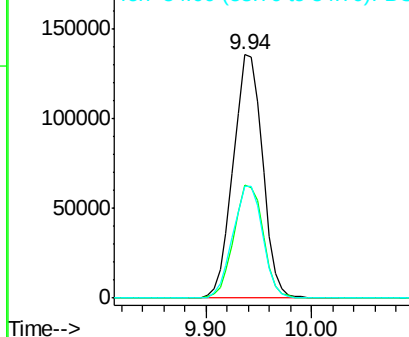


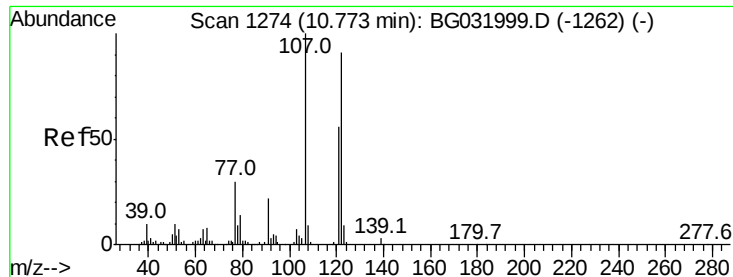
#23
Nitrobenzene-d5
Concen: 104.576 ng
RT: 9.94 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BG032166.D
Acq: 20 Jan 2018 00:07

Tgt Ion:	82	Resp:	260263
Ion	Ratio	Lower	Upper
82	100		
128	46.3	29.7	44.5#
54	46.2	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





#27

2,4-Dimethylphenol

Concen: 2.973 ng

RT: 10.81 min Scan# 1279

Delta R.T. 0.06 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Instrument :

BNA_G

ClientSampleId :

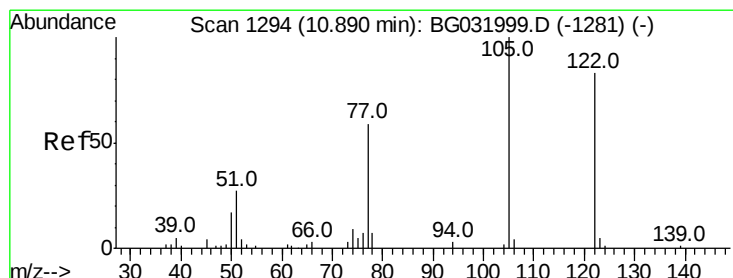
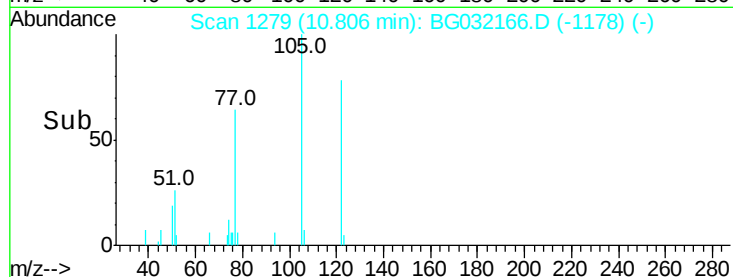
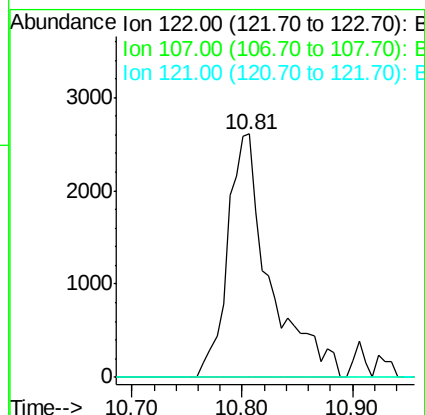
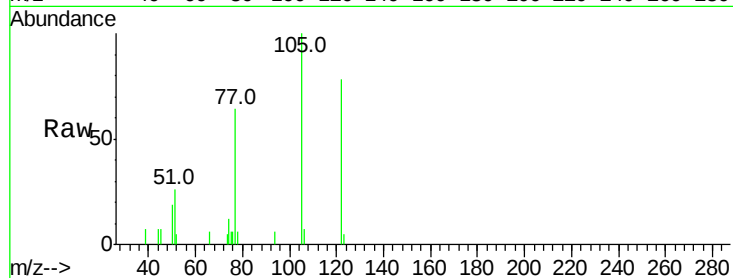
Tot Ion:122 Resp: 6939

Ion Ratio Lower Upper

122 100

107 0.0 100.2 150.2#

121 0.0 44.4 66.6#



#32

Benzoic acid

Concen: 8.556 ng

RT: 10.81 min Scan# 1279

Delta R.T. -0.04 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

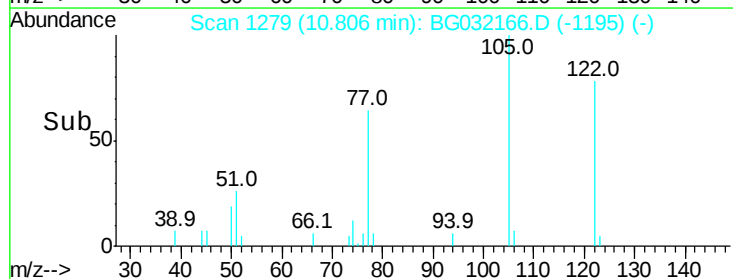
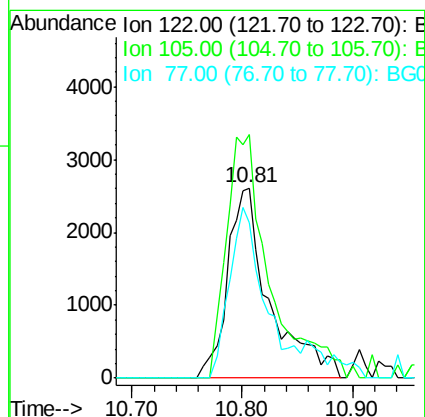
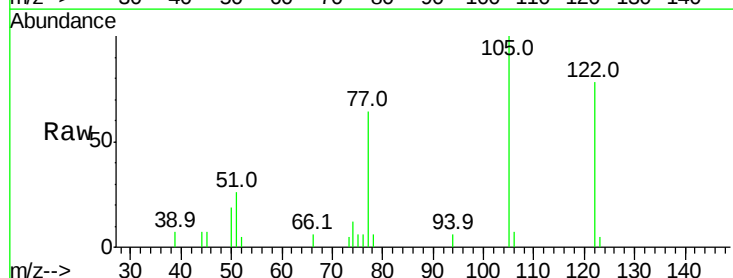
Tgt Ion:122 Resp: 6939

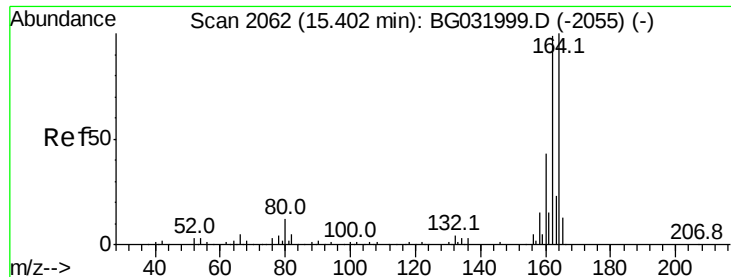
Ion Ratio Lower Upper

122 100

105 128.1 123.5 163.5

77 81.6 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

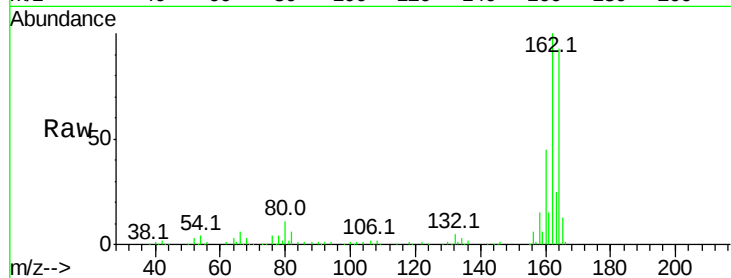
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 110225

Ion	Ratio	Lower	Upper
164	100		
162	107.4	78.8	118.2
160	48.7	35.4	53.0

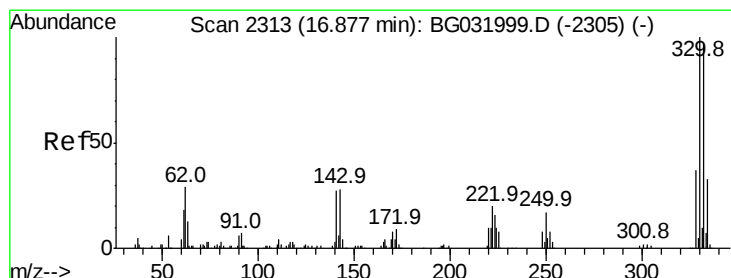
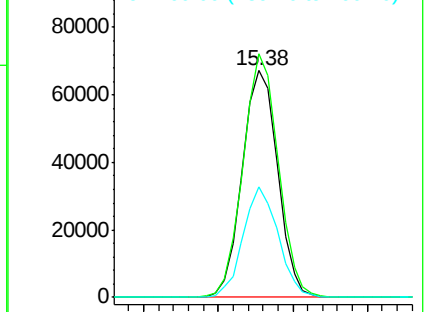
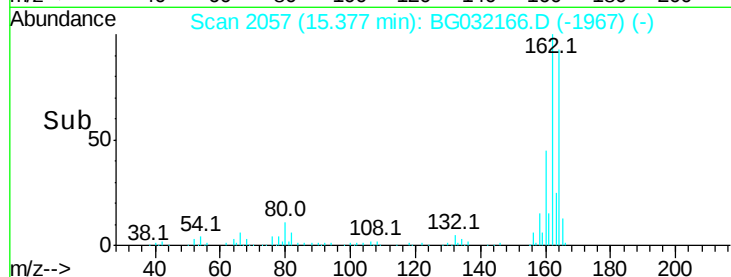


Abundance

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: 156.958 ng

RT: 16.85 min Scan# 2308

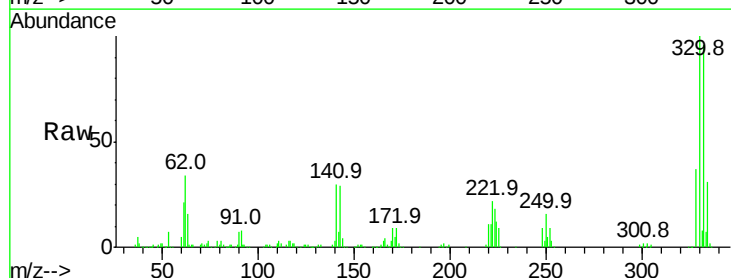
Delta R.T. -0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Tgt Ion:330 Resp: 286287

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	29.8	25.2	37.8

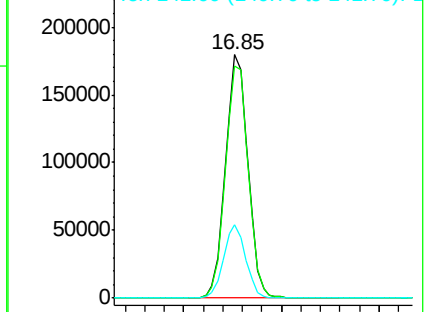
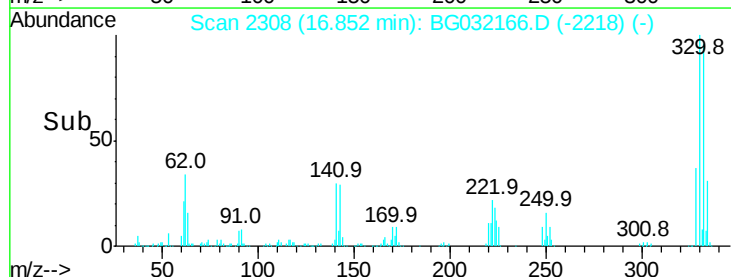


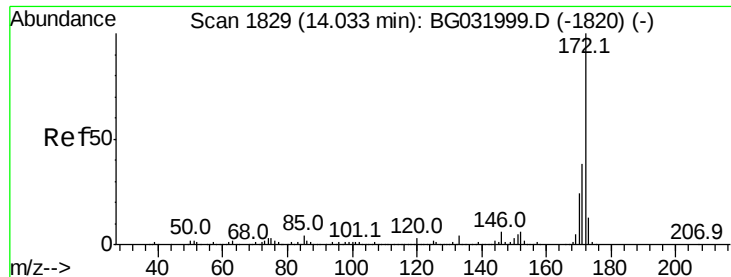
Abundance

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

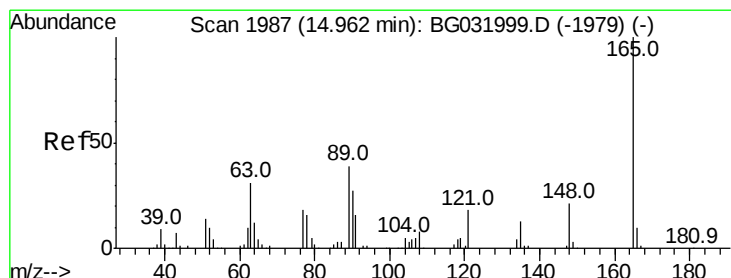
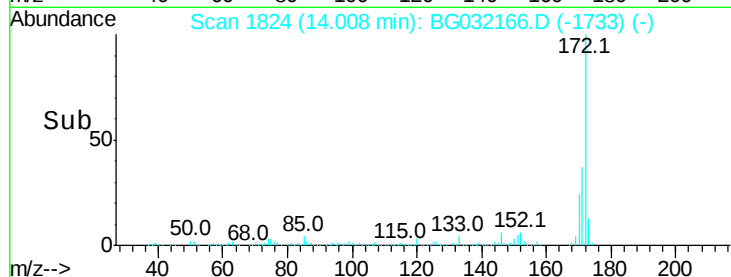
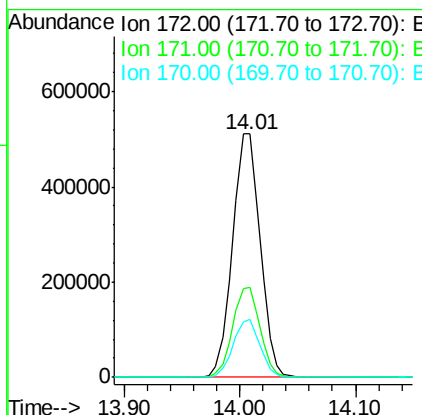
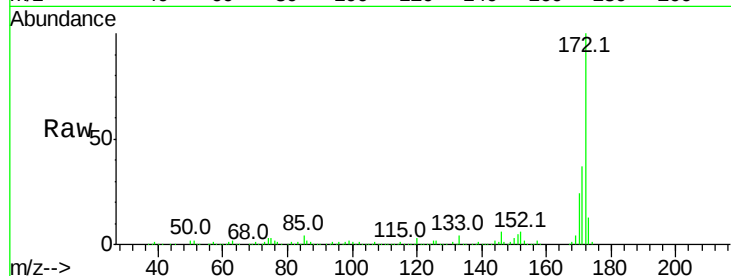




#44
 2-Fluorobiphenyl
 Concen: 95.289 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

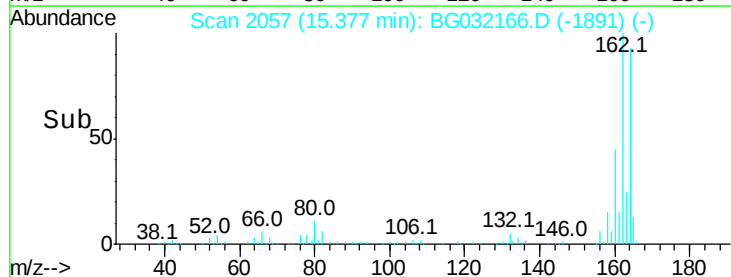
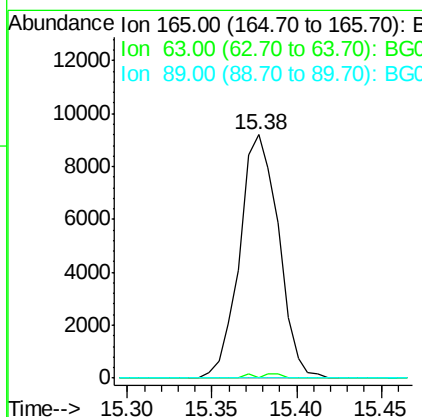
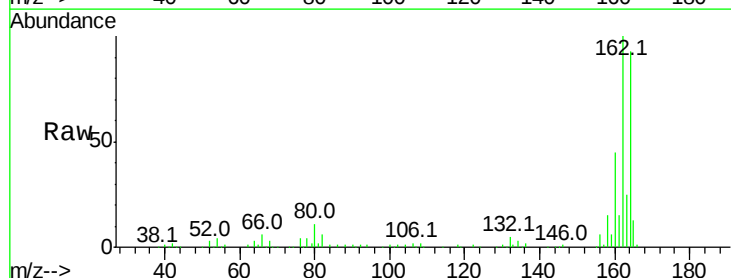
Instrument :
 BNA_G
 ClientSampleId :

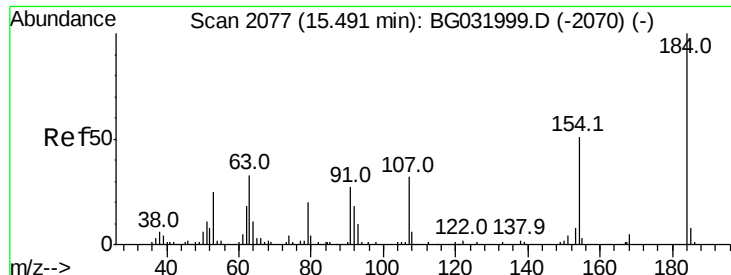
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	23.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.364 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

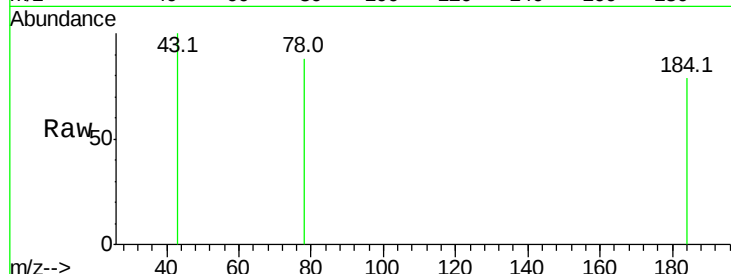




#53
 2,4-Dinitrophenol
 Concen: 7.014 ng
 RT: 15.62 min Scan# 2098
 Delta R.T. 0.15 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

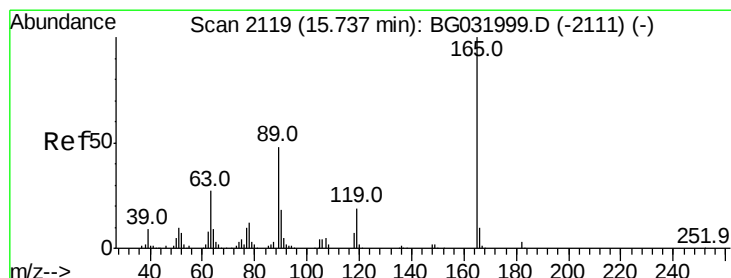
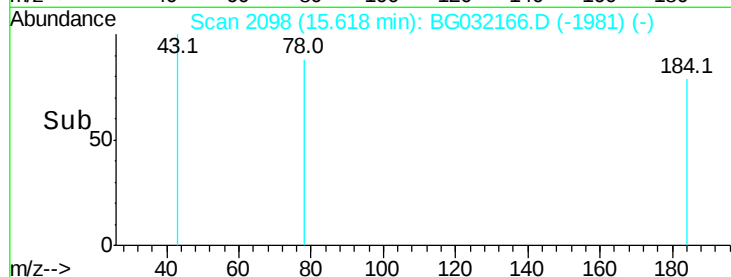
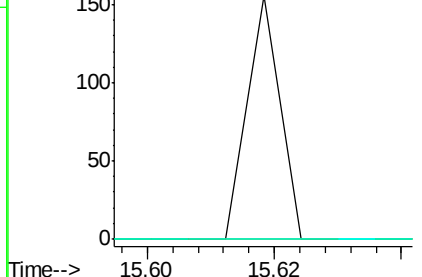
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



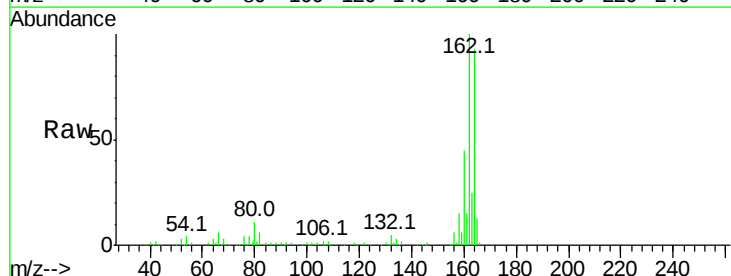
Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

15.62



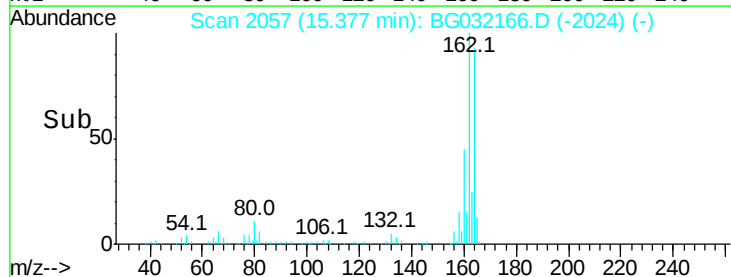
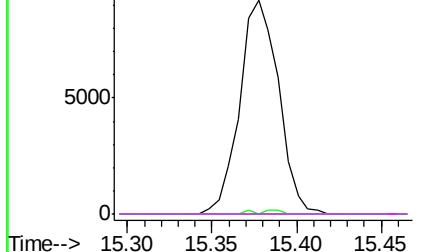
#56
 2,4-Dinitrotoluene
 Concen: 5.470 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

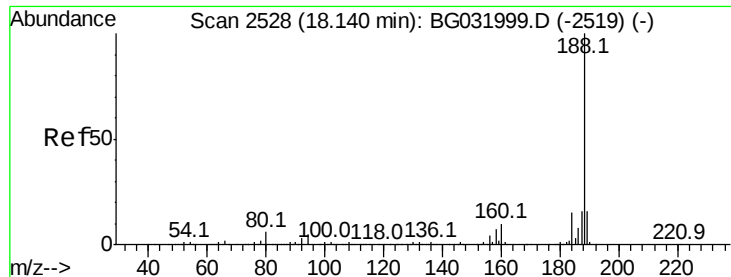
Tgt Ion:165 Resp: 14744
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

15.38

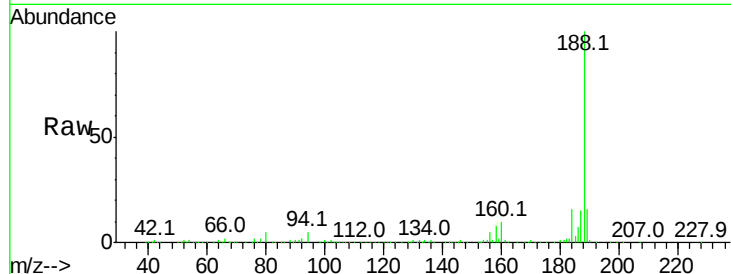




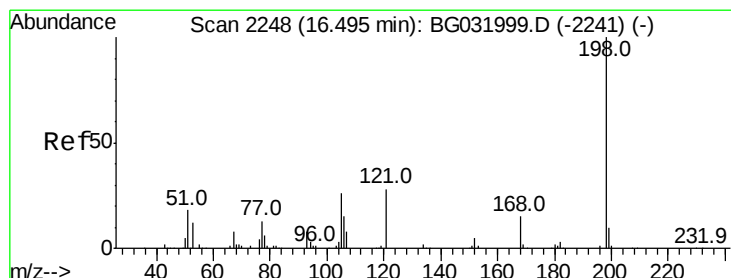
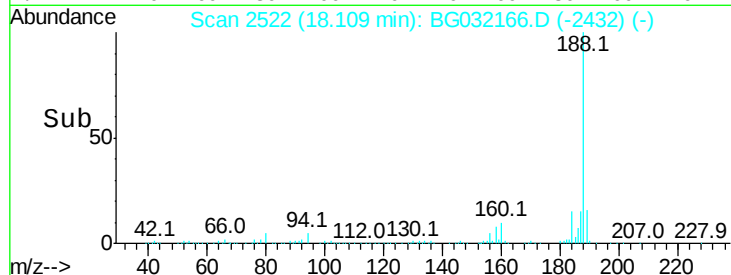
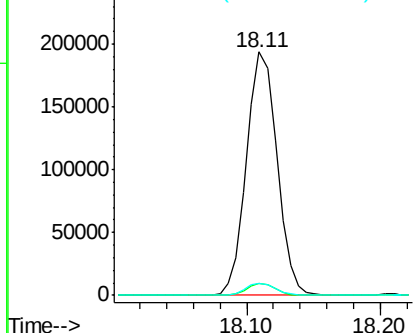
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:188 Resp: 306144
 Ion Ratio Lower Upper
 188 100
 94 4.9 6.9 10.3#
 80 5.0 7.7 11.5#

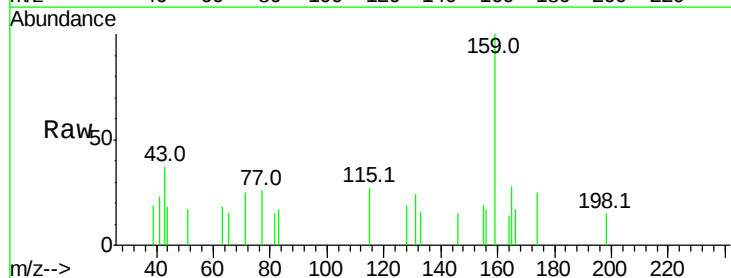


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

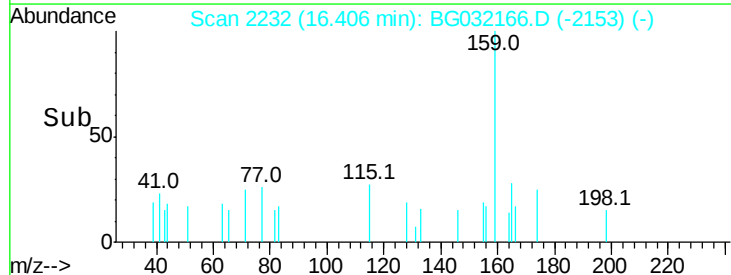
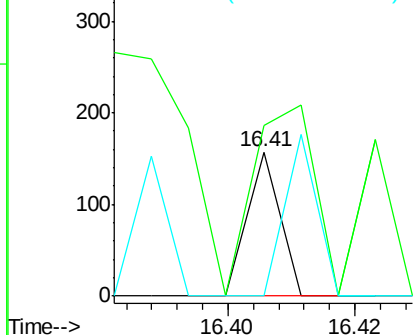


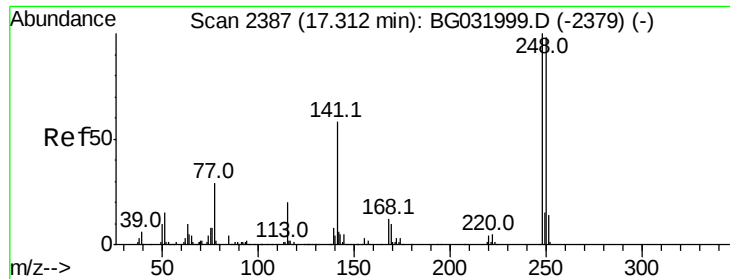
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.910 ng
 RT: 16.41 min Scan# 2232
 Delta R.T. -0.07 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

Tgt Ion:198 Resp: 55
 Ion Ratio Lower Upper
 198 100
 51 118.5 30.6 70.6#
 105 0.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

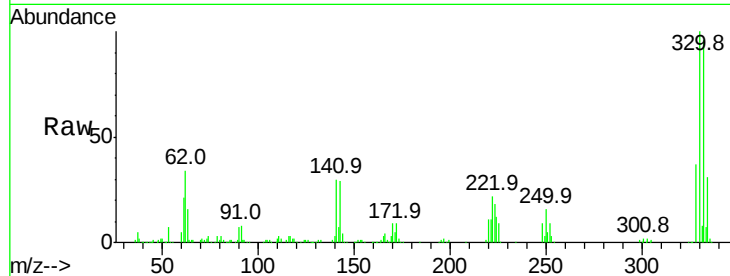




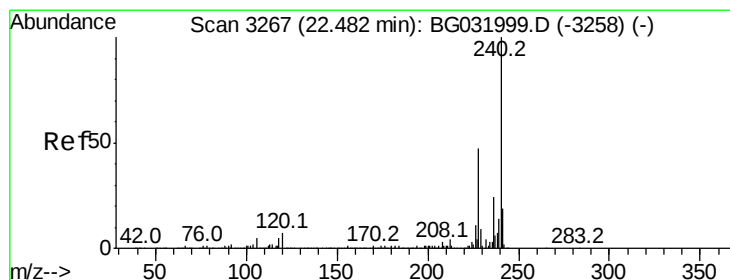
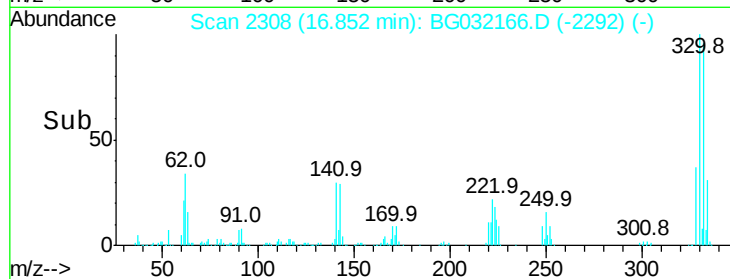
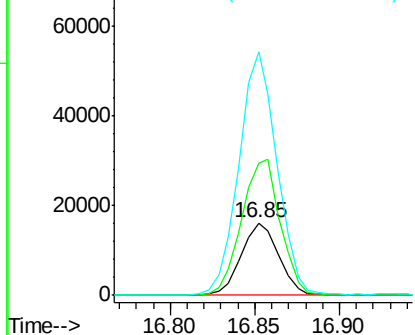
#66
 4-Bromophenyl-phenylether
 Concen: 5.723 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. -0.44 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24927
 Ion Ratio Lower Upper
 248 100
 250 183.4 77.1 115.7#
 141 336.3 50.8 76.2#

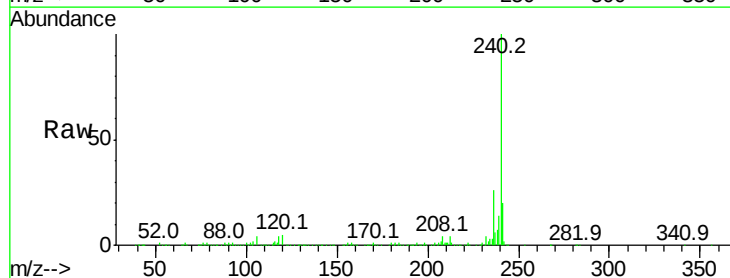


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

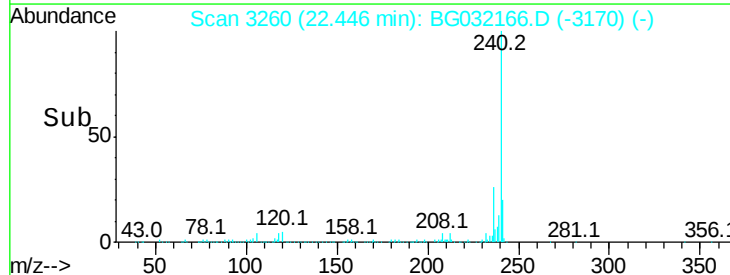
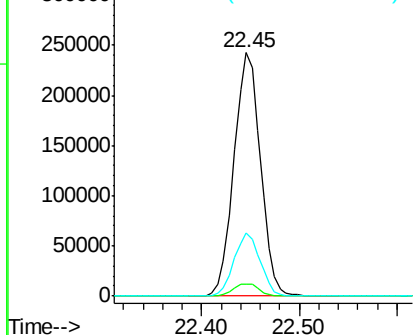


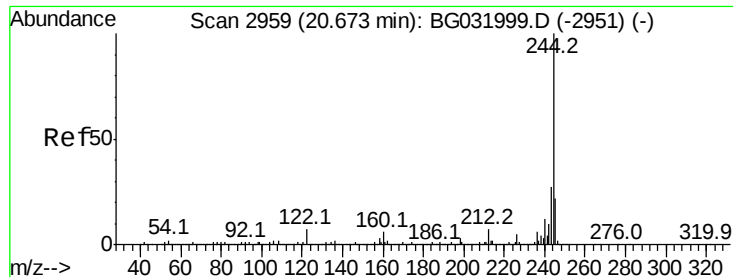
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.45 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: BG032166.D
 Acq: 20 Jan 2018 00:07

Tgt Ion:240 Resp: 458776
 Ion Ratio Lower Upper
 240 100
 120 4.9 6.8 10.2#
 236 25.8 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: 91.340 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

Instrument :

BNA_G

ClientSampleId :

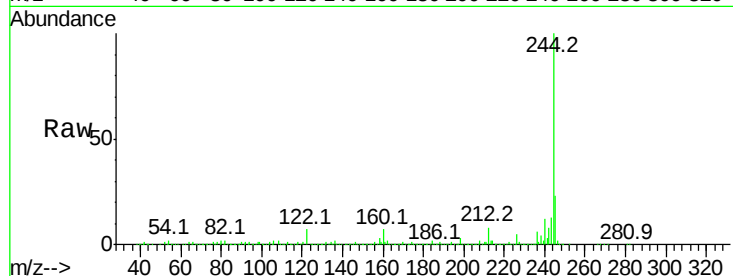
Tot Ion:244 Resp: 1897808

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

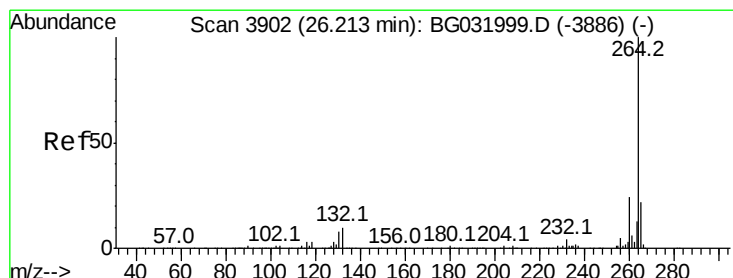
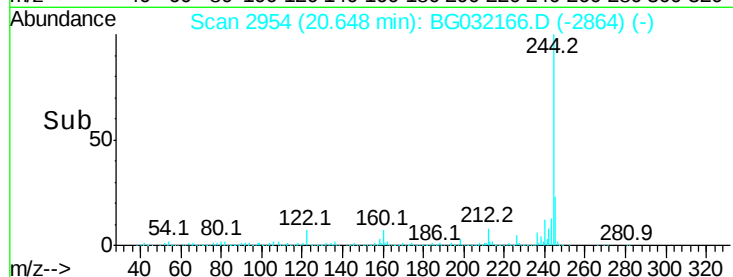
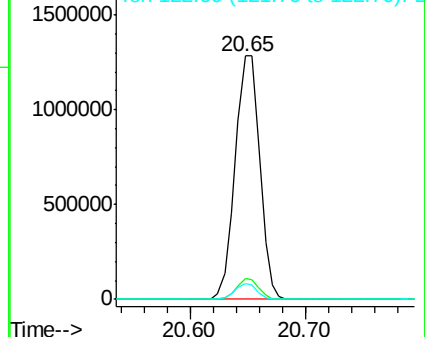
122 6.6 7.0 10.4#



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: 26.15 min Scan# 3890

Delta R.T. -0.00 min

Lab File: BG032166.D

Acq: 20 Jan 2018 00:07

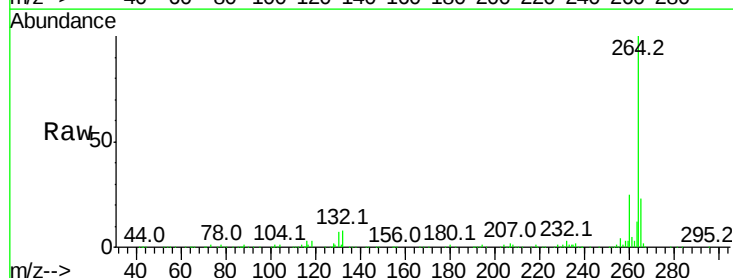
Tgt Ion:264 Resp: 471857

Ion Ratio Lower Upper

264 100

260 25.5 17.4 26.0

265 22.6 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

