

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032248.D
 Acq On : 24 Jan 2018 6:11
 Operator : SJ/JU
 Sample : J1229-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 07:46:07 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

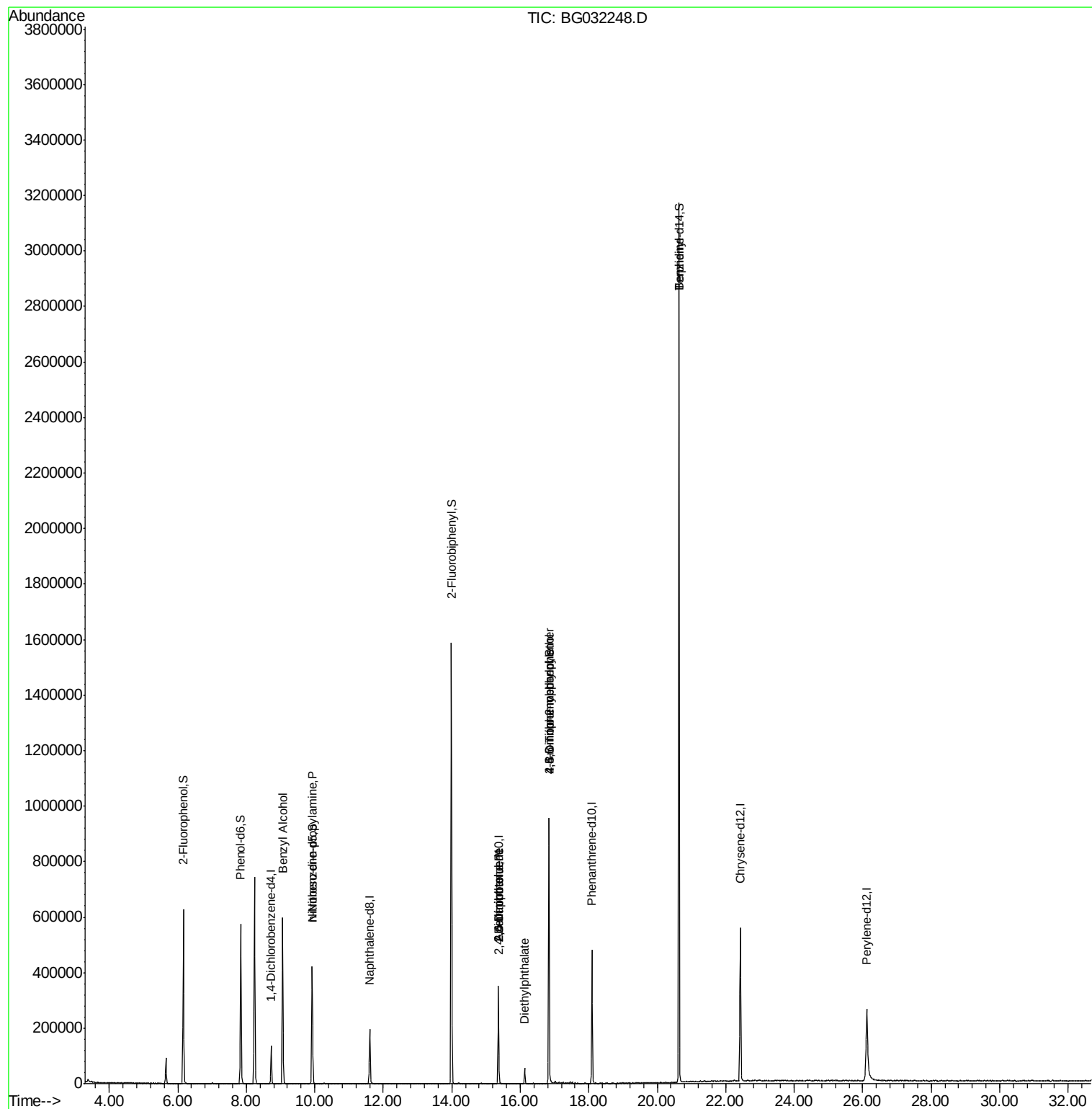
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	45164	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	185430	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	130865	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	328436	20.00	ng	-0.02
75) Chrysene-d12	22.42	240	421482	20.00	ng	-0.03
86) Perylene-d12	26.12	264	426998	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	301219	121.98	ng	0.00
7) Phenol-d6	7.84	99	354027	113.83	ng	0.00
23) Nitrobenzene-d5	9.92	82	269180	98.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	217430	100.41	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	961788	91.13	ng	-0.01
78) Terphenyl-d14	20.63	244	1736473	90.97	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.06	79	4847	2.145	ng	# 45
19) n-Nitroso-di-n-propylamine	9.92	70	38487	19.945	ng	# 75
50) 2,6-Dinitrotoluene	15.36	165	17717	7.454	ng	# 18
53) 2,4-Dinitrophenol	15.37	184	72	7.019	ng	# 67
56) 2,4-Dinitrotoluene	15.36	165	17717	5.536	ng	# 16
59) Diethylphthalate	16.13	149	34003	3.063	ng	# 96
64) 4,6-Dinitro-2-methylphenol	16.84	198	606	5.143	ng	# 32
66) 4-Bromophenyl-phenylether	16.84	248	18456	3.949	ng	# 1
76) Benzidine	20.63	184	24933	2.366	ng	# 80

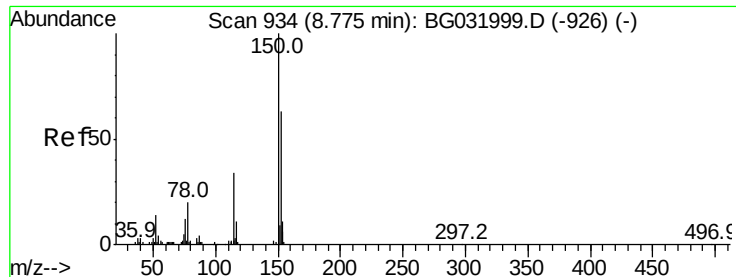
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

Instrument :

BNA_G

ClientSampleId :

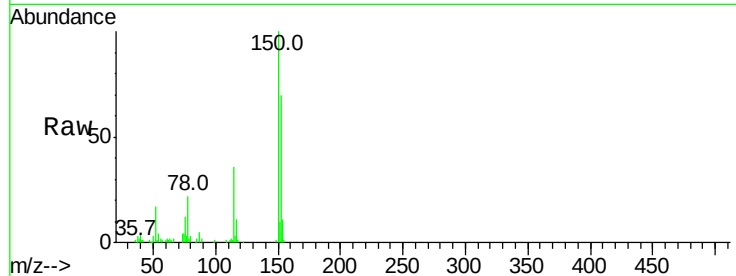
Tot Ion:152 Resp: 45164

Ion Ratio Lower Upper

152 100

150 143.4 126.6 189.8

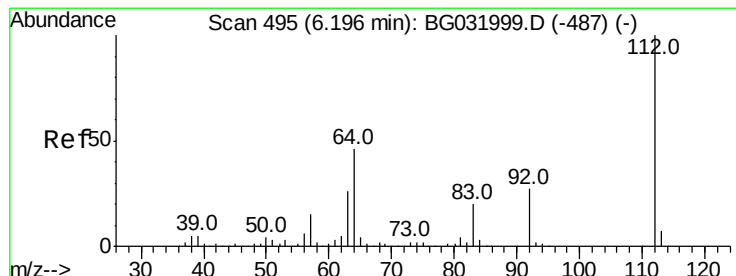
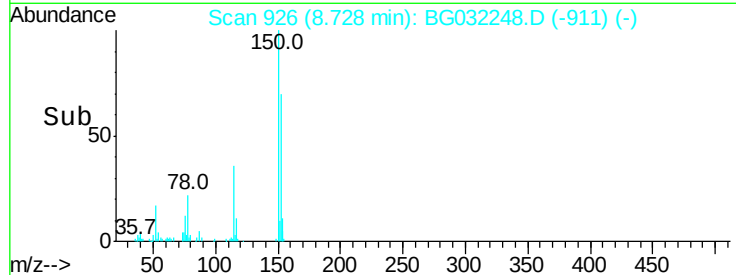
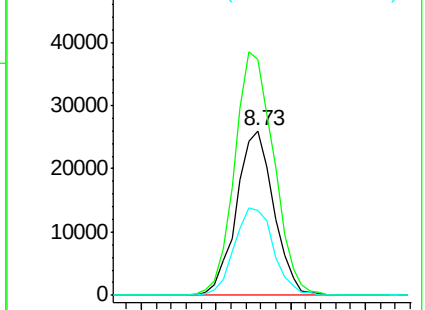
115 51.3 53.0 79.4#



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: 121.980 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

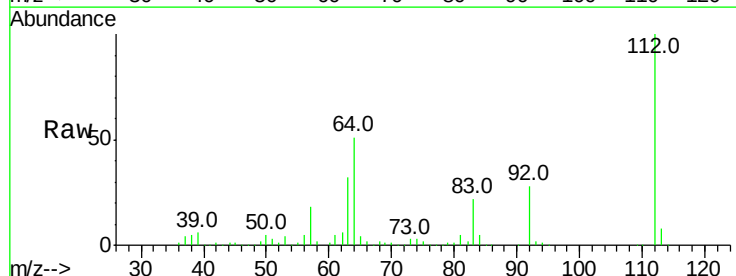
Tgt Ion:112 Resp: 301219

Ion Ratio Lower Upper

112 100

64 51.4 56.3 84.5#

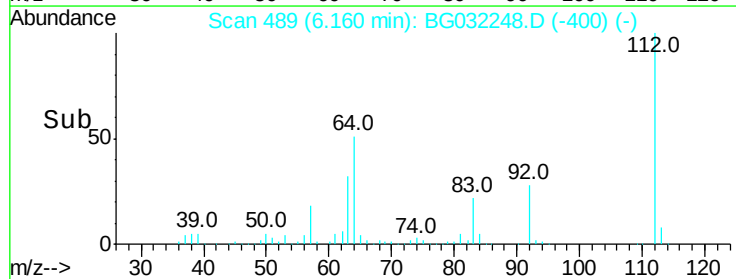
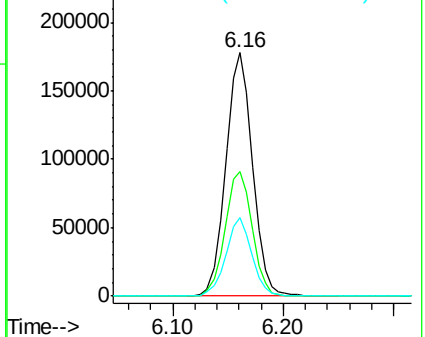
63 32.0 30.1 45.1

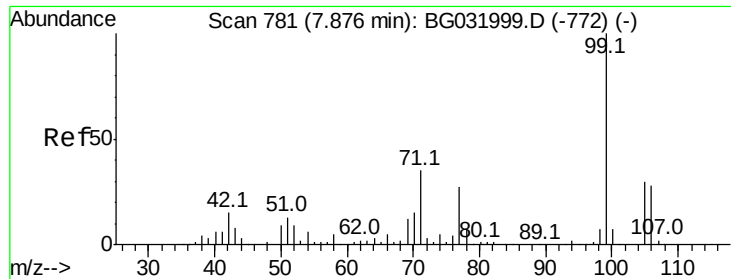


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 113.832 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

Instrument :

BNA_G

ClientSampled :

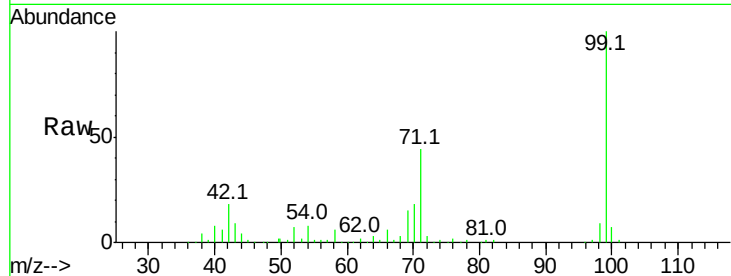
Tot Ion: 99 Resp: 354027

Ion Ratio Lower Upper

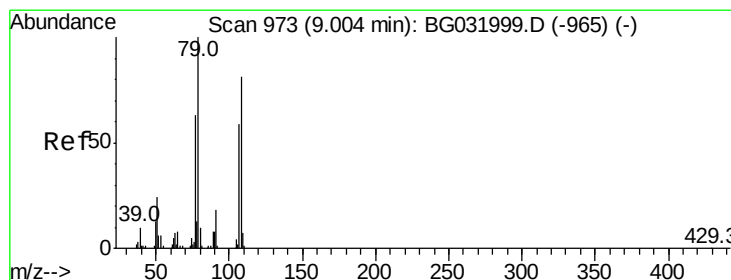
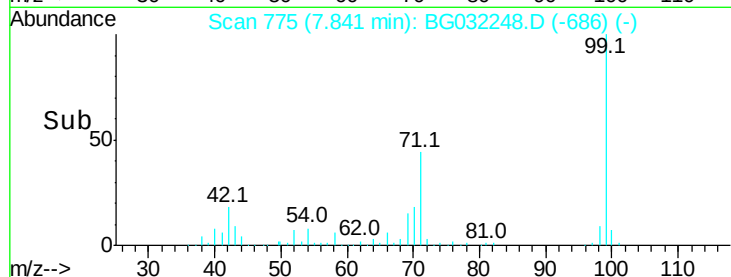
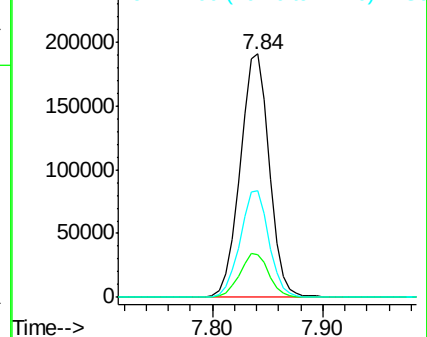
99 100

42 17.7 14.1 21.1

71 43.9 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



#15

Benzyl Alcohol

Concen: 2.145 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.08 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

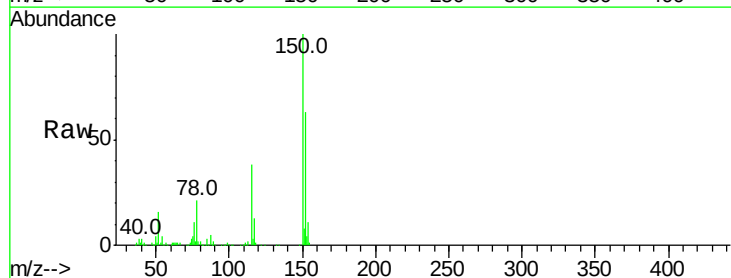
Tgt Ion: 79 Resp: 4847

Ion Ratio Lower Upper

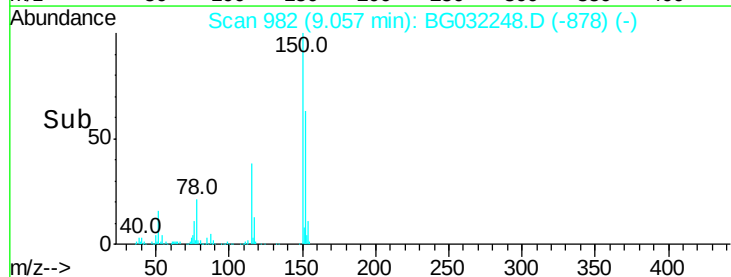
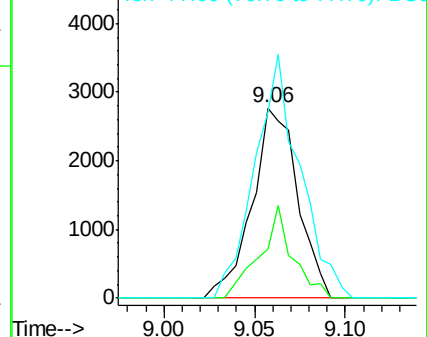
79 100

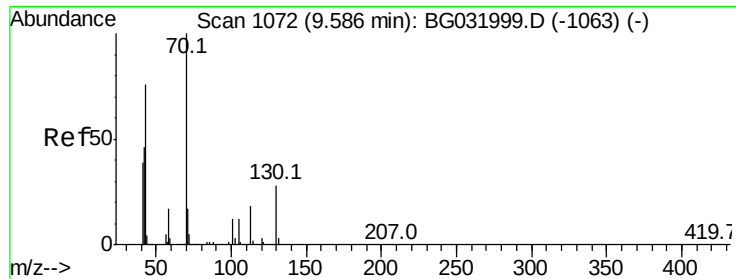
108 25.7 57.2 85.8#

77 98.0 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

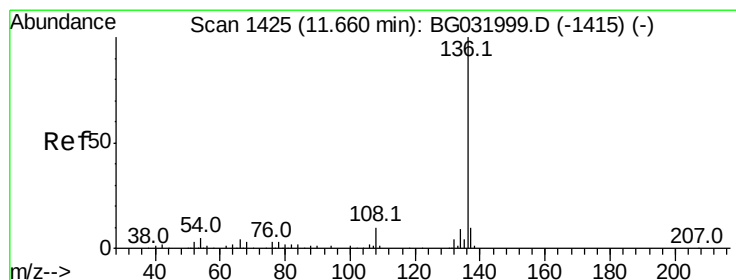
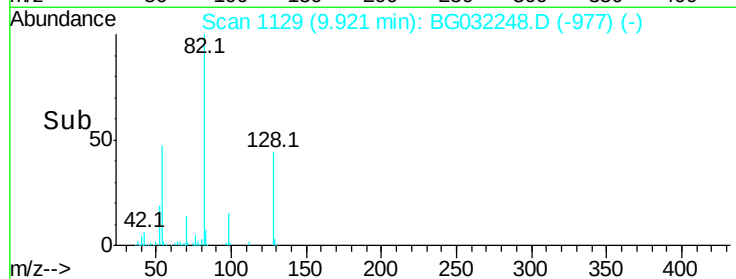
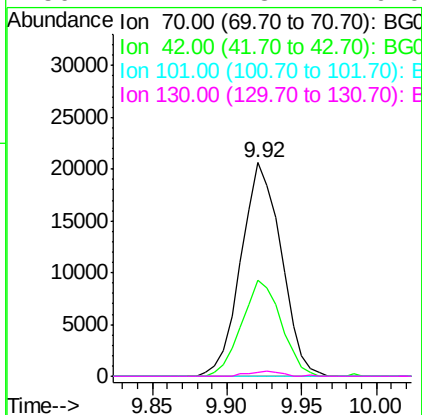
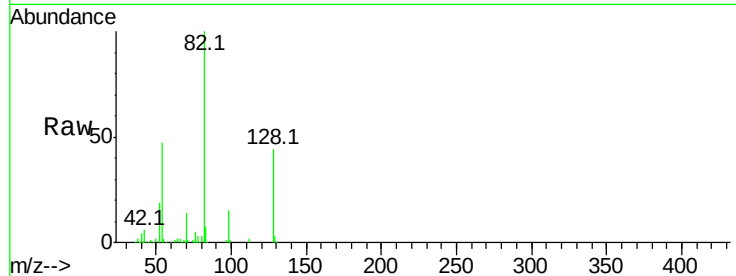




#19
n-Nitroso-di-n-propylamine
Concen: 19.945 ng
RT: 9.92 min Scan# 1129
Delta R.T. 0.36 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

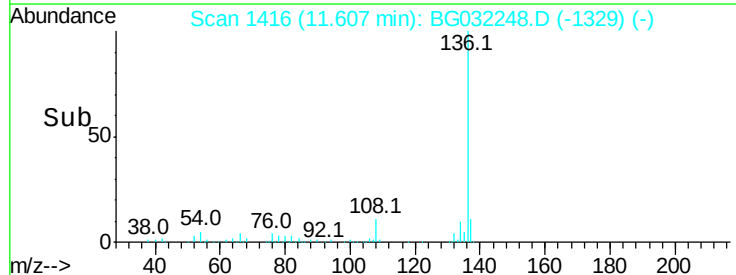
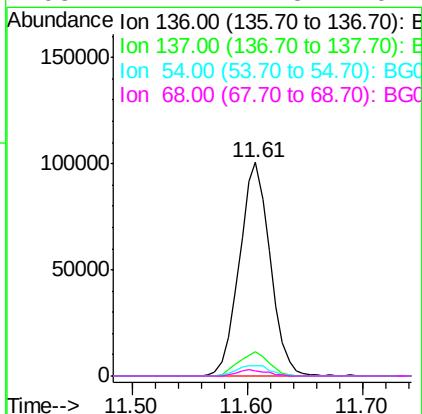
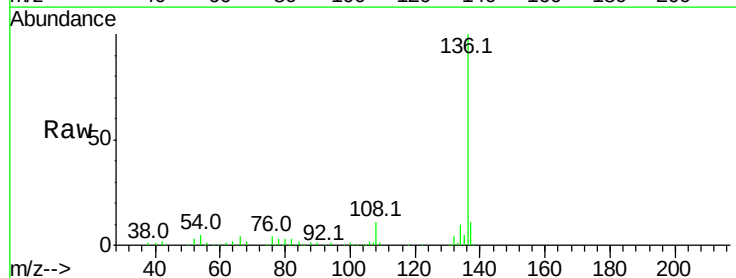
Instrument :
BNA_G
ClientSampleId :

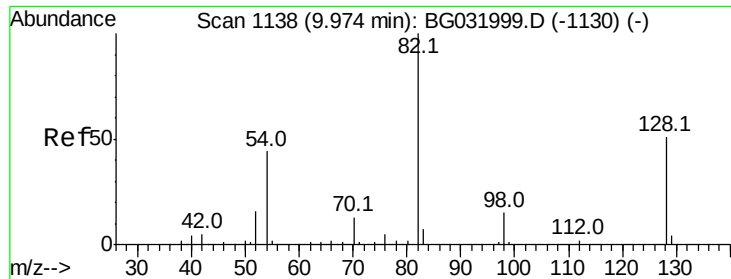
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.8	49.1	73.7#
101	0.0	8.5	12.7#
130	2.1	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	4.7	10.3	15.5#
68	2.2	4.5	6.7#

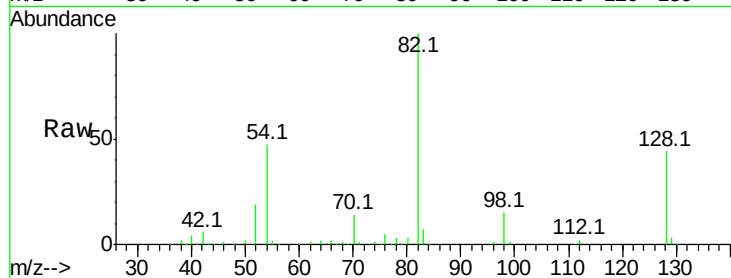




#23
Nitrobenzene-d5
Concen: 98.211 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	29.7	44.5
54	46.8	43.1	64.7

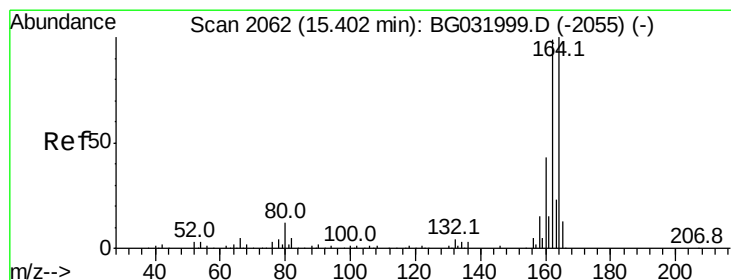
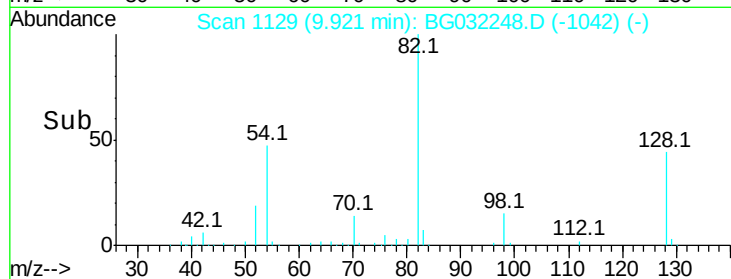
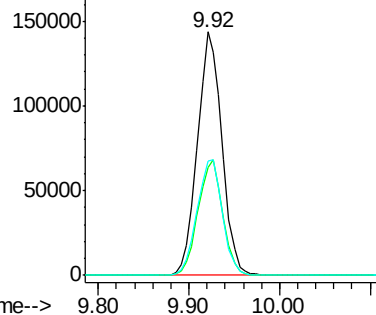


Abundance

Ion 82.00 (81.70 to 82.70): BGC

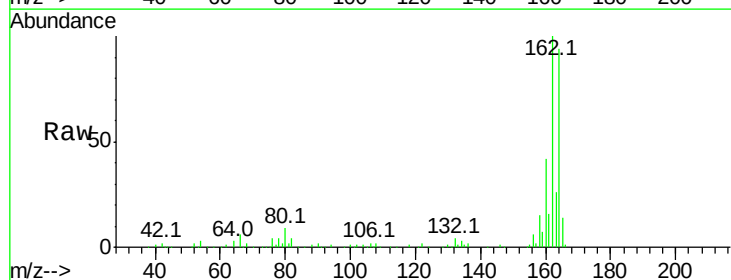
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	78.8	118.2
160	44.2	35.4	53.0

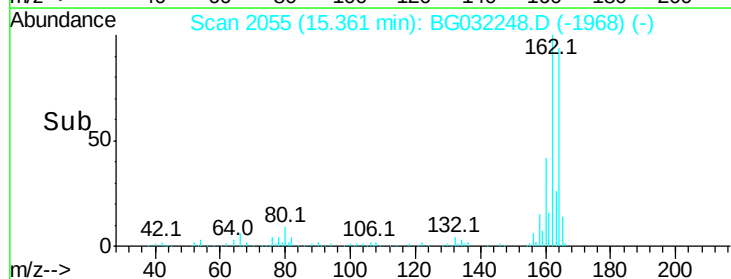
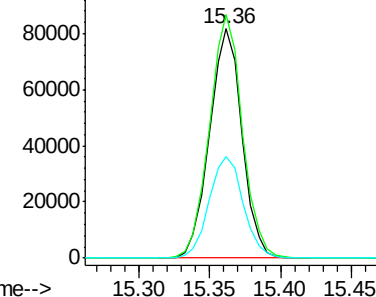


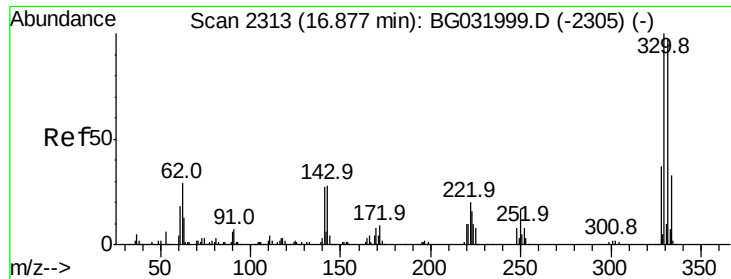
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

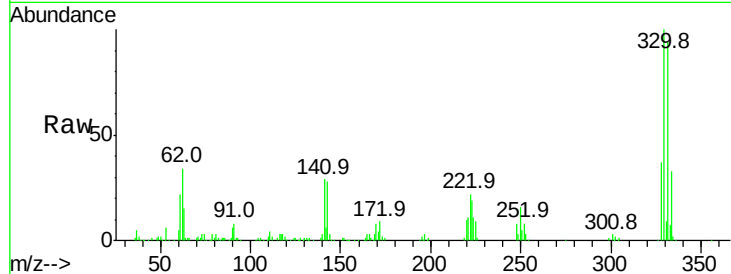




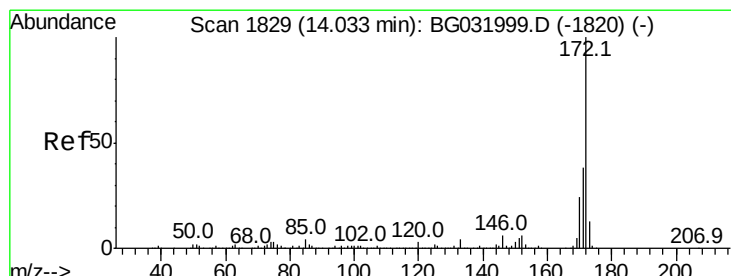
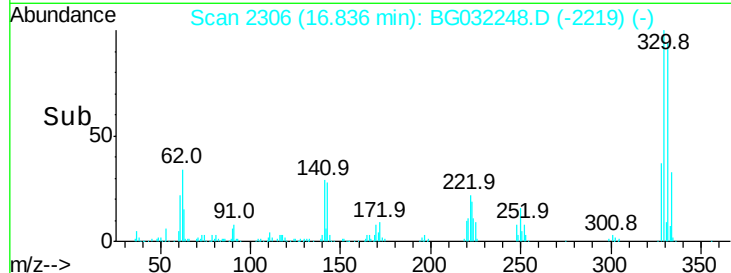
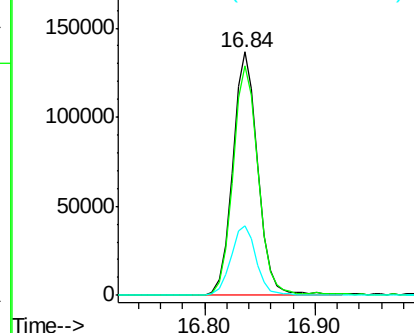
#41
 2,4,6-Tribromophenol
 Concen: 100.406 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: BG032248.D
 Acq: 24 Jan 2018 6:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	29.1	25.2	37.8

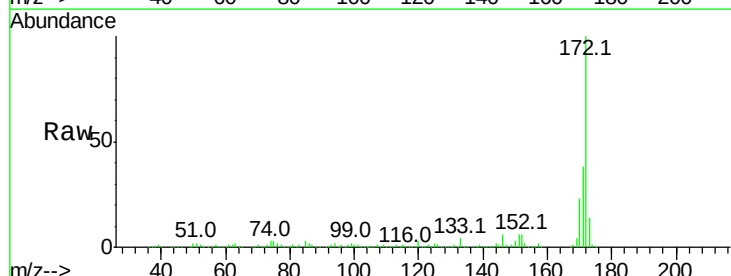


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

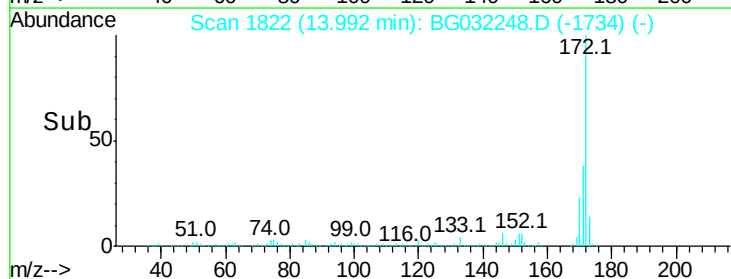
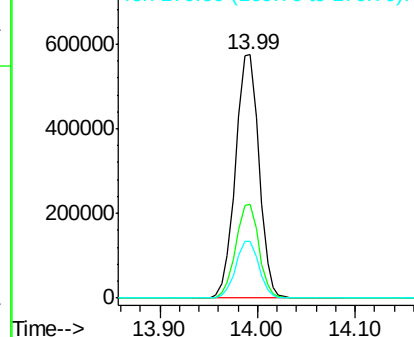


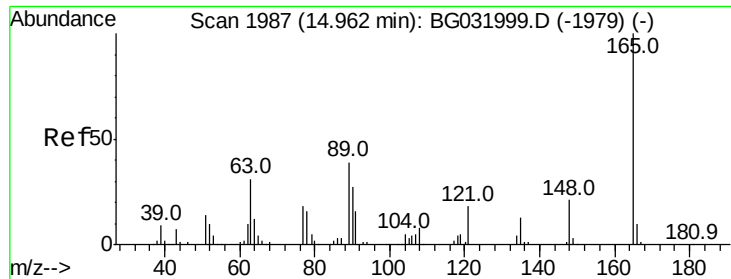
#44
 2-Fluorobiphenyl
 Concen: 91.130 ng
 RT: 13.99 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BG032248.D
 Acq: 24 Jan 2018 6:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	23.4	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: 7.454 ng

RT: 15.36 min Scan# 2055

Delta R.T. 0.43 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

Instrument :

BNA_G

ClientSampleId :

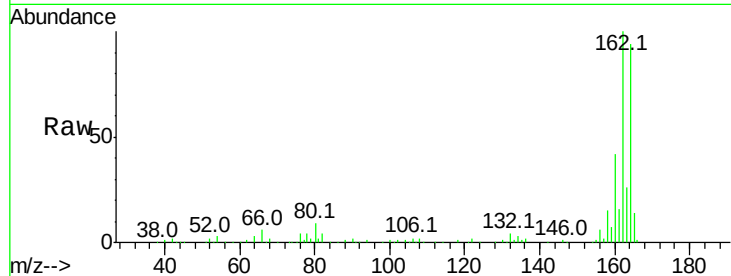
Tot Ion:165 Resp: 17717

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

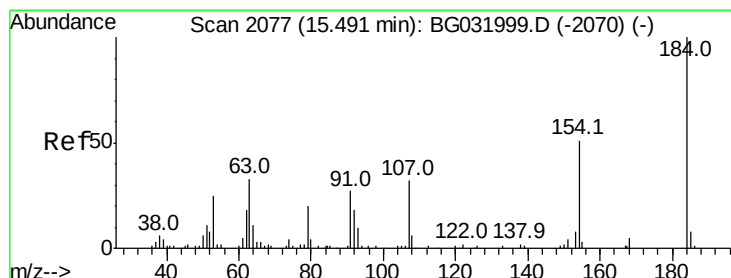
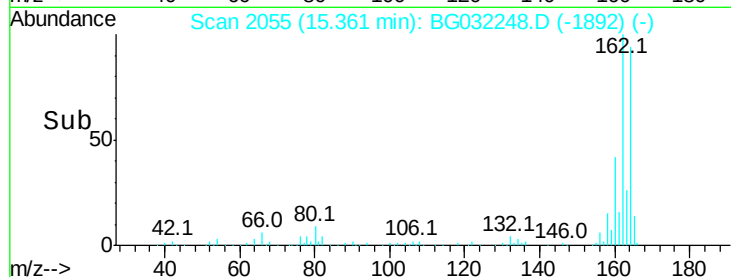
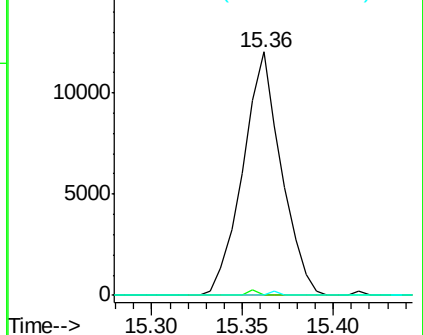
89 0.0 49.2 73.8#



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



#53

2,4-Dinitrophenol

Concen: 7.019 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.09 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

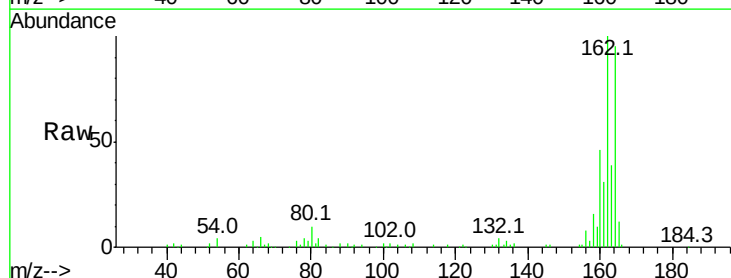
Tgt Ion:184 Resp: 72

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

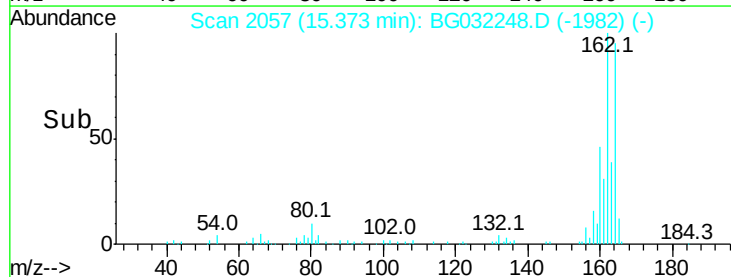
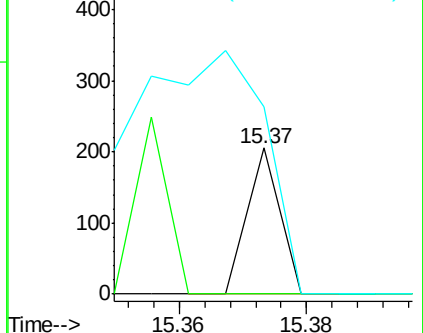
154 128.8 101.8 152.8

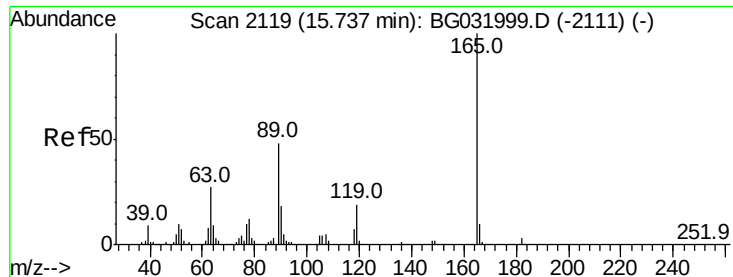


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

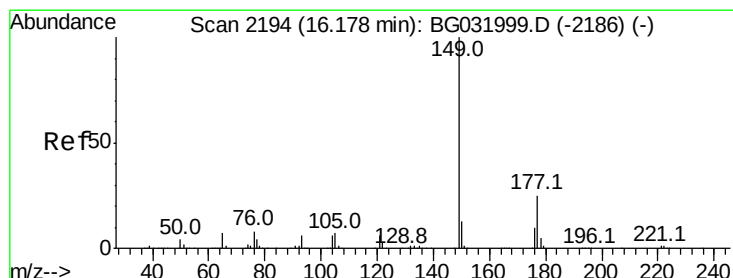
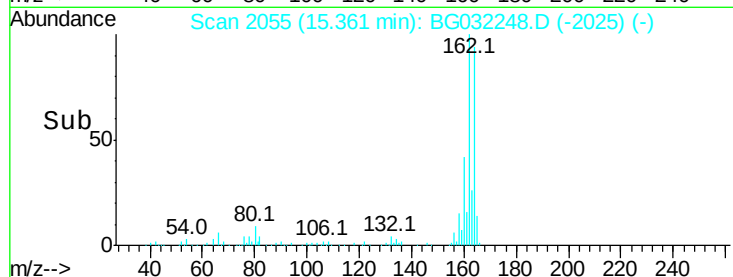
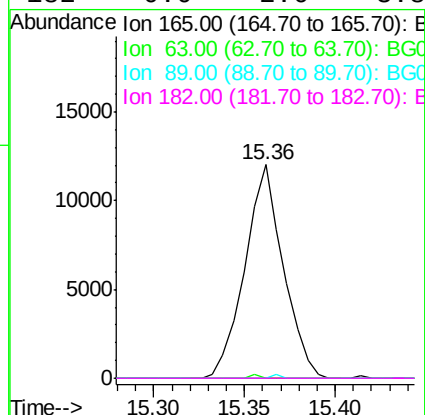
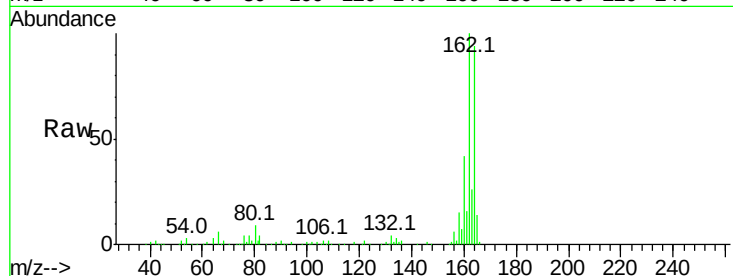




#56
2,4-Dinitrotoluene
Concen: 5.536 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.35 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

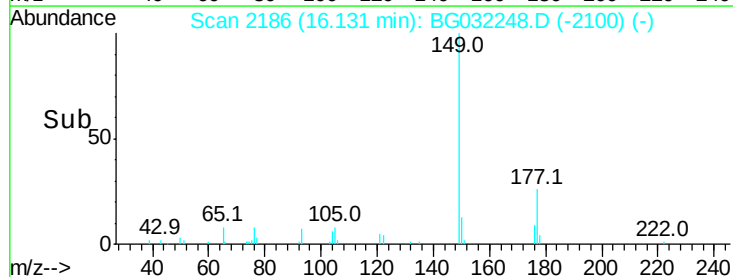
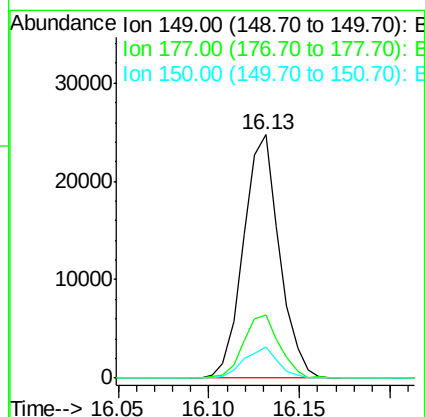
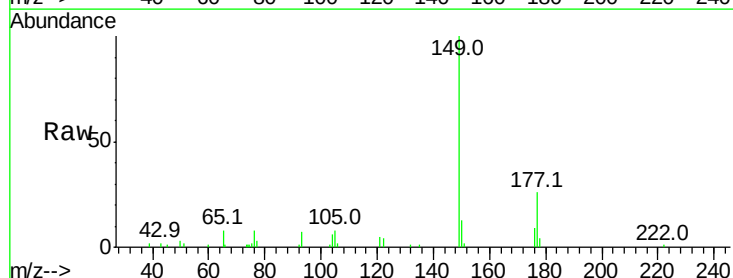
Instrument :
BNA_G
ClientSampleId :

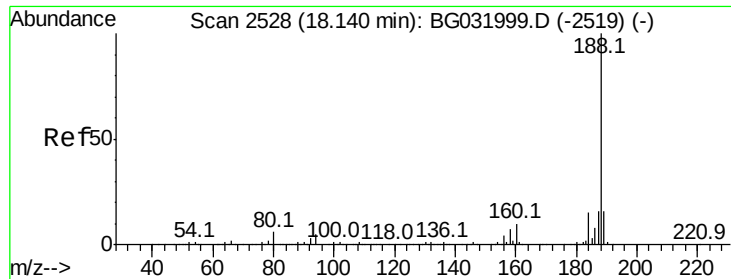
Tot Ion:165 Resp: 17717
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#59
Diethylphthalate
Concen: 3.063 ng
RT: 16.13 min Scan# 2186
Delta R.T. -0.03 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Tgt Ion:149 Resp: 34003
Ion Ratio Lower Upper
149 100
177 26.0 18.5 27.7
150 12.6 10.2 15.2

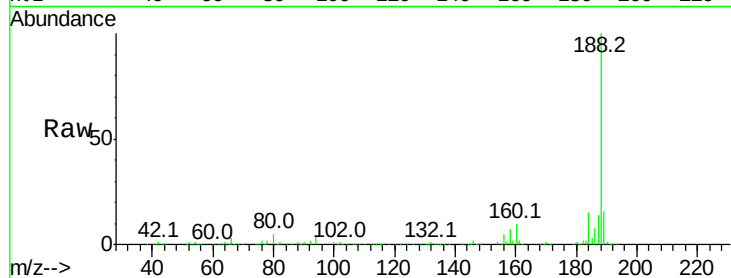




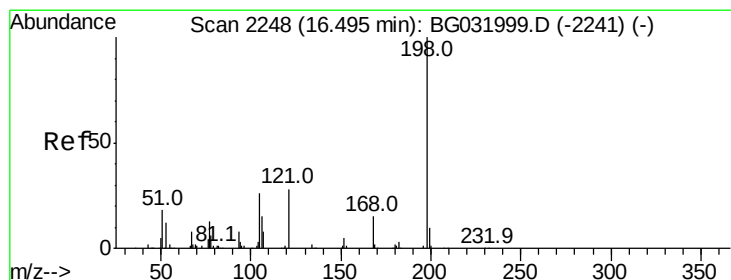
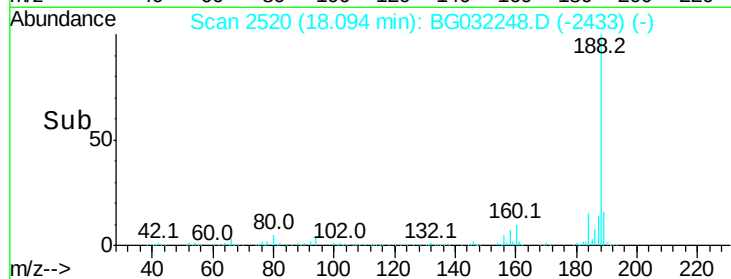
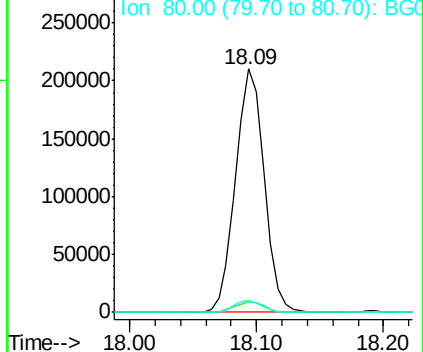
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 328436
Ion Ratio Lower Upper
188 100
94 4.2 6.9 10.3#
80 4.7 7.7 11.5#

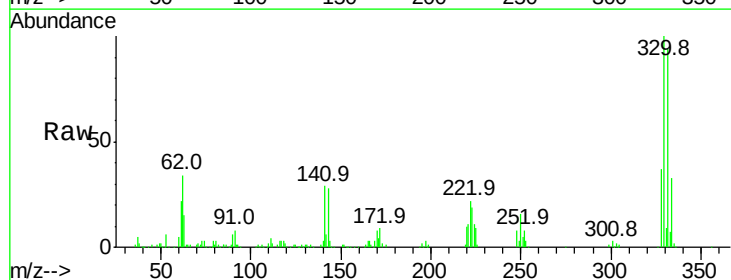


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

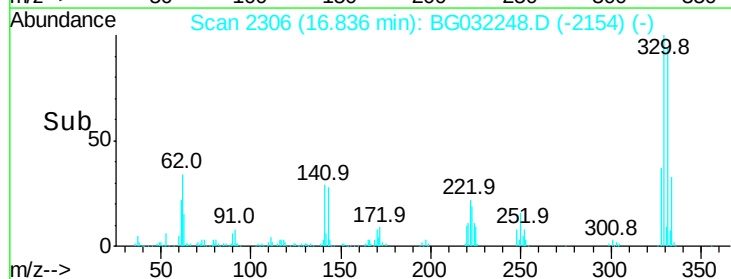
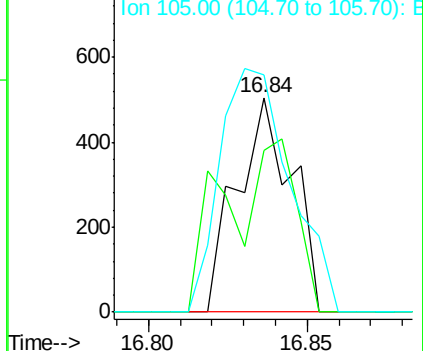


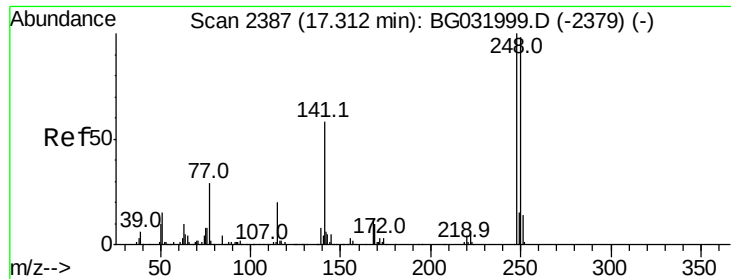
#64
4,6-Dinitro-2-methylphenol
Concen: 5.143 ng
RT: 16.84 min Scan# 2306
Delta R.T. 0.36 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Tgt Ion:198 Resp: 606
Ion Ratio Lower Upper
198 100
51 75.8 30.6 70.6#
105 110.9 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

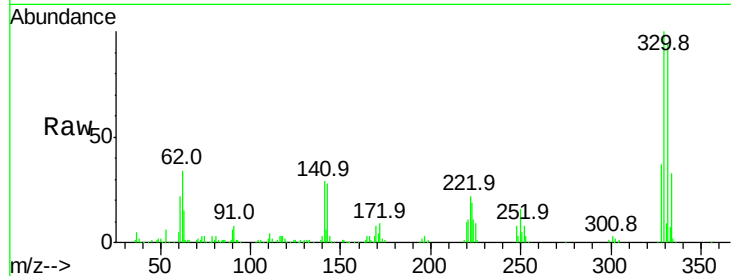




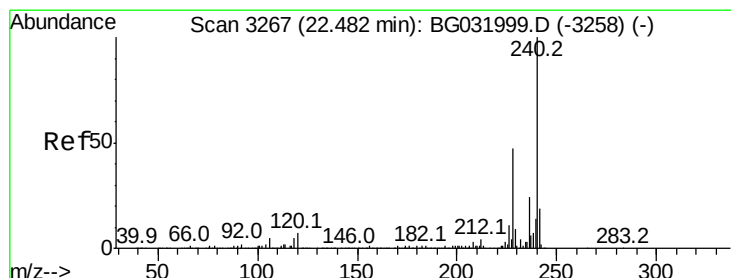
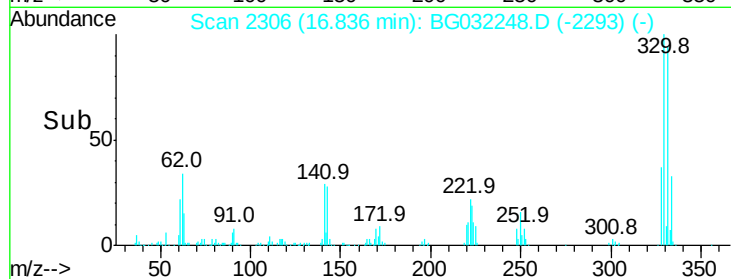
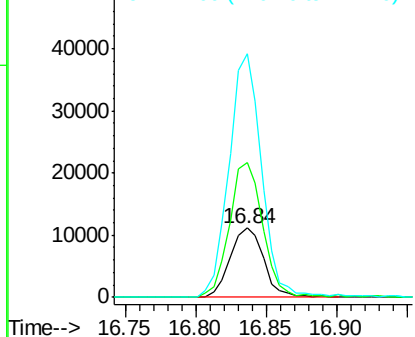
#66
 4-Bromophenyl-phenylether
 Concen: 3.949 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.45 min
 Lab File: BG032248.D
 Acq: 24 Jan 2018 6:11

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18456
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.1 115.7#
 141 350.9 50.8 76.2#

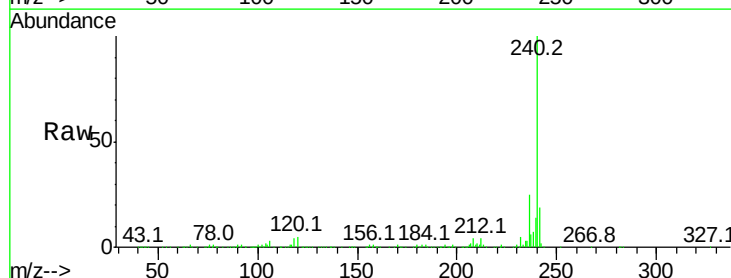


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

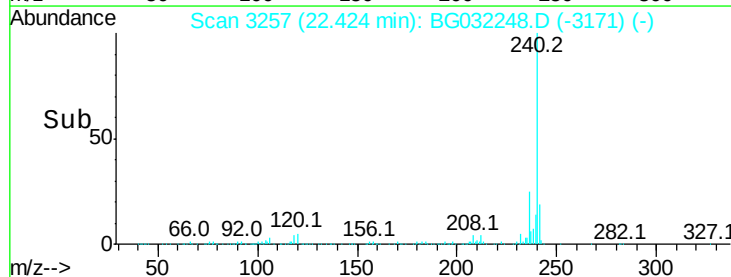
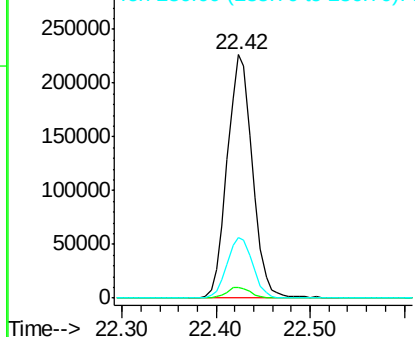


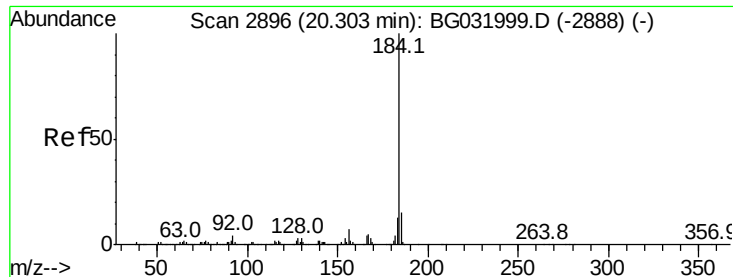
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3257
 Delta R.T. -0.03 min
 Lab File: BG032248.D
 Acq: 24 Jan 2018 6:11

Tgt Ion:240 Resp: 421482
 Ion Ratio Lower Upper
 240 100
 120 4.6 6.8 10.2#
 236 24.7 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: 2.366 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

Instrument :

BNA_G

ClientSampled :

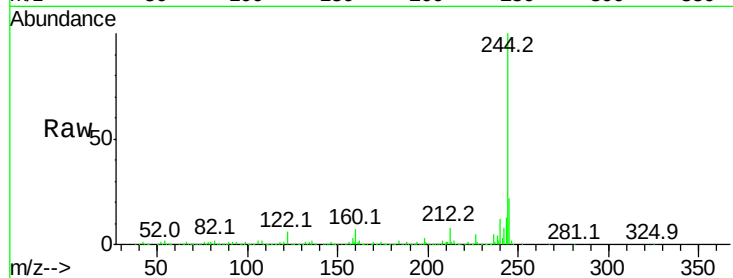
Tot Ion:184 Resp: 24933

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

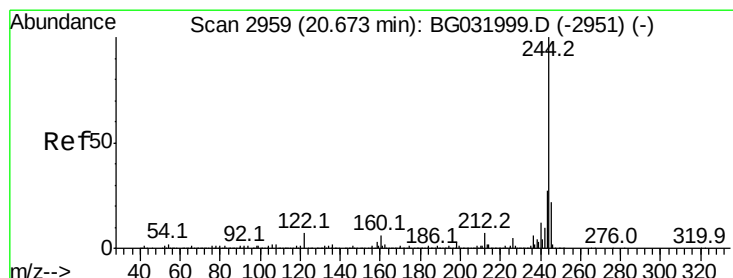
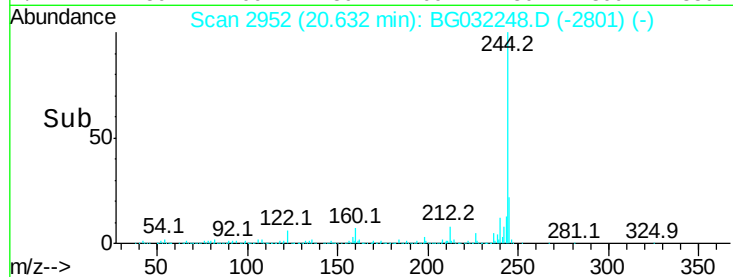
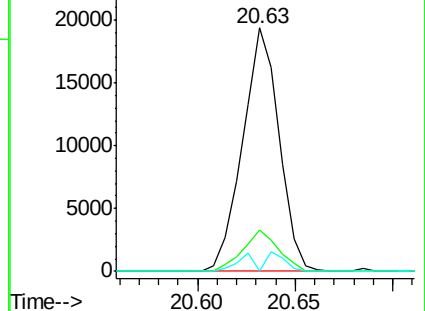
183 0.0 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 90.970 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032248.D

Acq: 24 Jan 2018 6:11

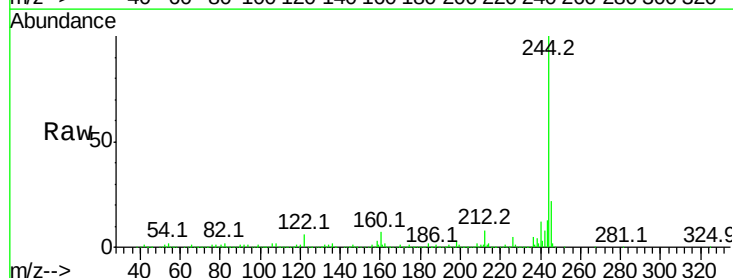
Tgt Ion:244 Resp: 1736473

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

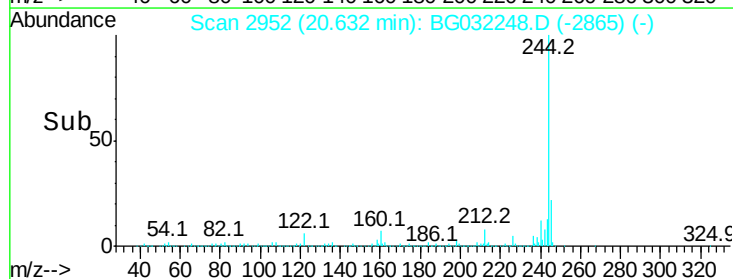
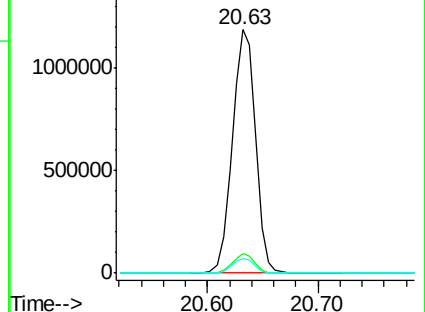
122 6.1 7.0 10.4#

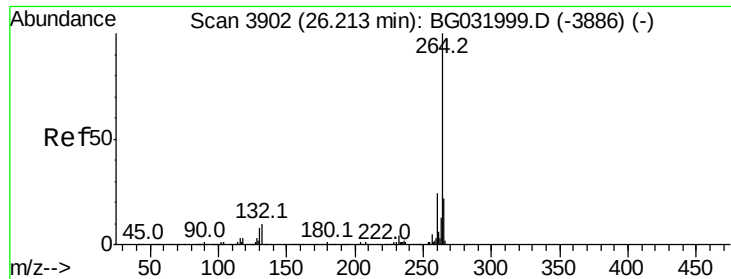


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

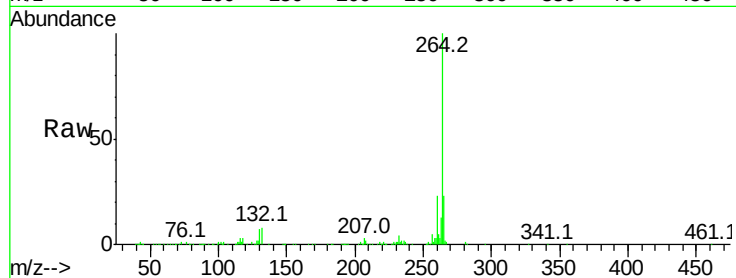




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.12 min Scan# 3886
Delta R.T. -0.03 min
Lab File: BG032248.D
Acq: 24 Jan 2018 6:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	23.2	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

