

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032267.D
 Acq On : 24 Jan 2018 19:03
 Operator : SJ/JU
 Sample : J1250-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

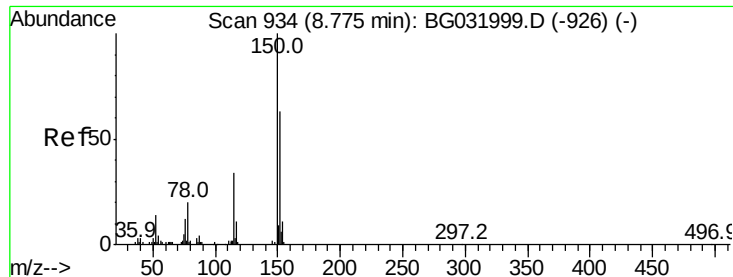
Quant Time: Jan 25 04:13:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	38842	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	149572	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	103213	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	293724	20.00	ng	0.00
75) Chrysene-d12	22.42	240	396173	20.00	ng	0.00
86) Perylene-d12	26.11	264	410529	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	209962	98.86	ng	0.00
7) Phenol-d6	7.84	99	254963	95.32	ng	0.00
23) Nitrobenzene-d5	9.92	82	155527	70.35	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	161504	94.56	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	472615	56.78	ng	0.00
78) Terphenyl-d14	20.63	244	888770	49.54	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	3204	3.927	ng	# 1
10) Phenol	7.86	94	12096	4.591	ng	# 89
19) n-Nitroso-di-n-propylamine	9.92	70	22213	13.385	ng	# 77
32) Benzoic acid	10.78	122	75	5.296	ng	# 1
49) Dimethylphthalate	14.78	163	49741	5.507	ng	# 97
56) 2,4-Dinitrotoluene	15.36	165	14270	5.654	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	267	5.012	ng	# 82
66) 4-Bromophenyl-phenylether	16.84	248	13116	3.138	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Instrument :

BNA_G

ClientSampleId :

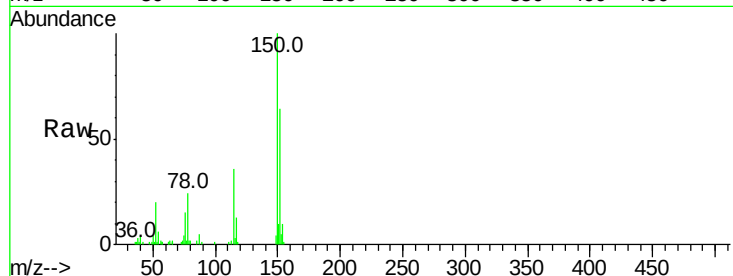
Tot Ion:152 Resp: 38842

Ion Ratio Lower Upper

152 100

150 156.6 126.6 189.8

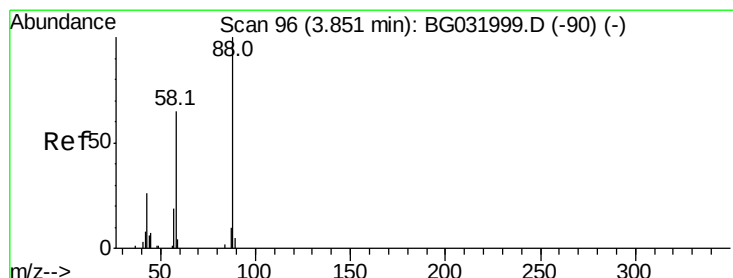
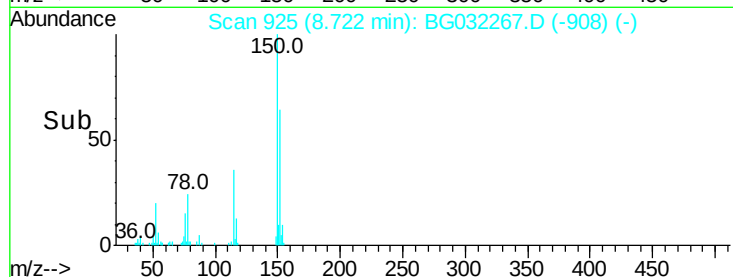
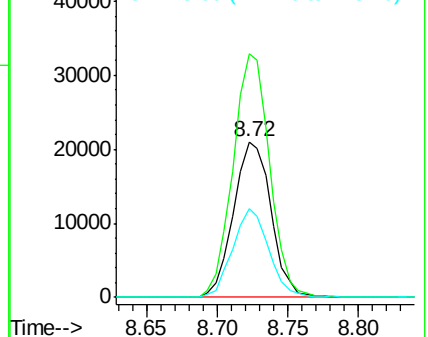
115 57.0 53.0 79.4



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: 3.927 ng

RT: 3.47 min Scan# 31

Delta R.T. -0.35 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

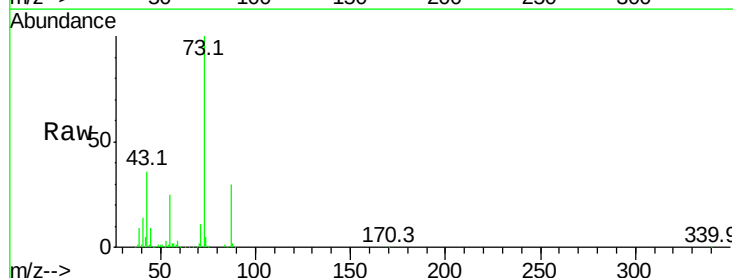
Tgt Ion: 88 Resp: 3204

Ion Ratio Lower Upper

88 100

58 32.9 79.6 119.4#

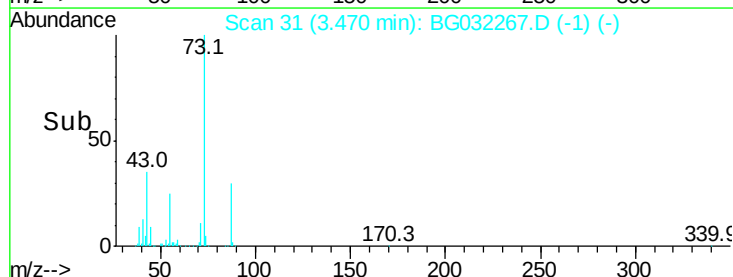
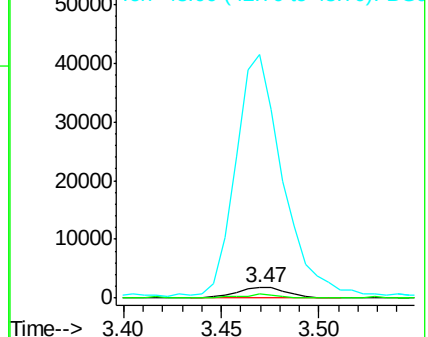
43 2166.3 27.4 41.0#

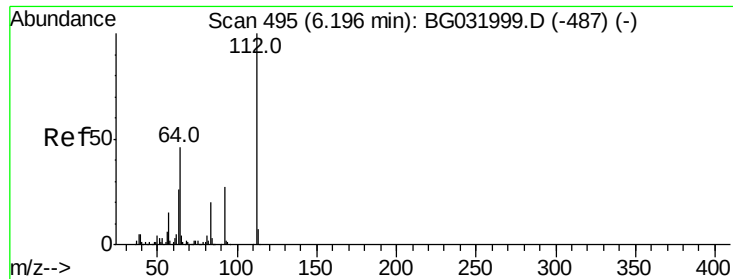


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 98.864 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Instrument :

BNA_G

ClientSampleId :

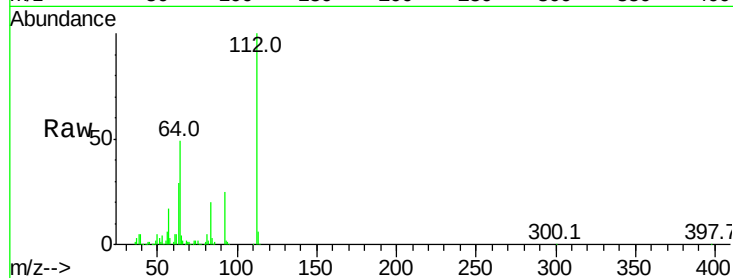
Tot Ion:112 Resp: 209962

Ion Ratio Lower Upper

112 100

64 48.7 56.3 84.5#

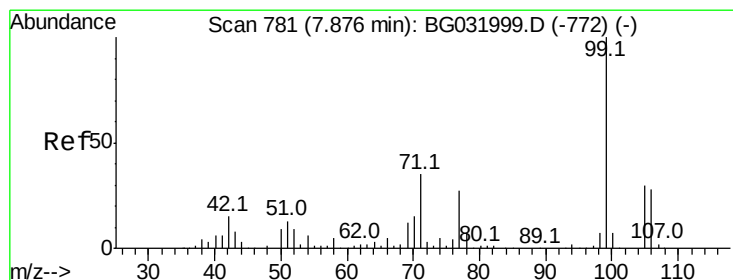
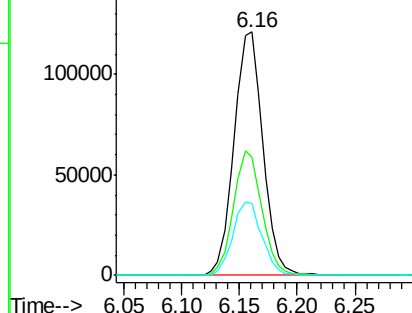
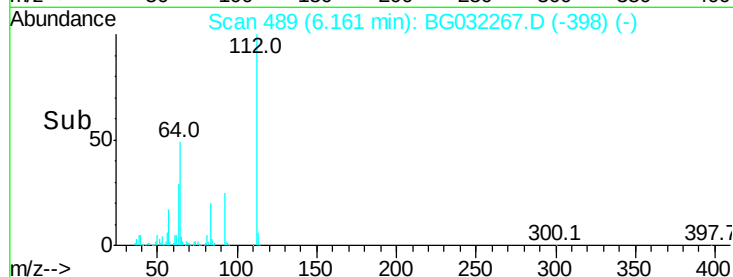
63 29.4 30.1 45.1#



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: 95.323 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

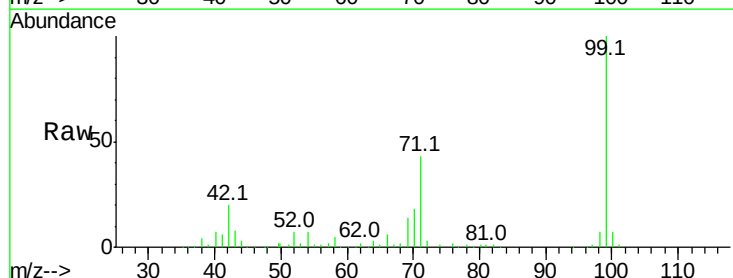
Tgt Ion: 99 Resp: 254963

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

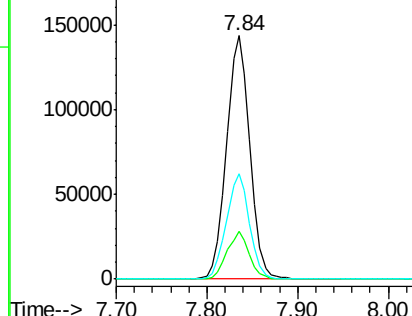
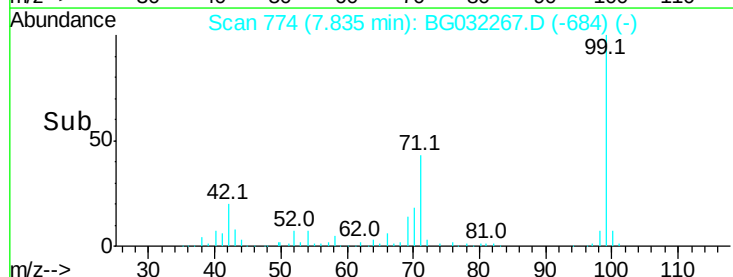
71 43.0 26.1 39.1#

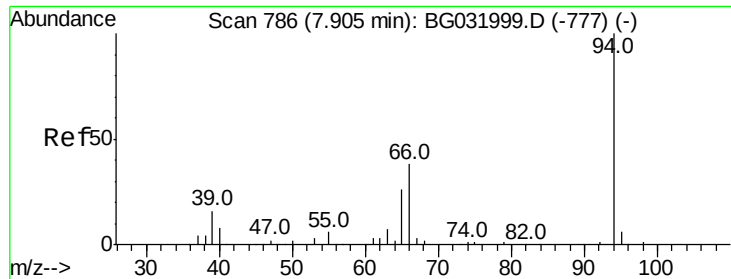


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 4.591 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Instrument :

BNA_G

ClientSampled :

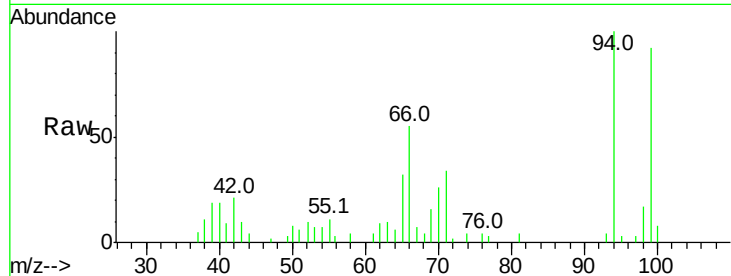
Tot Ion: 94 Resp: 12096

Ion Ratio Lower Upper

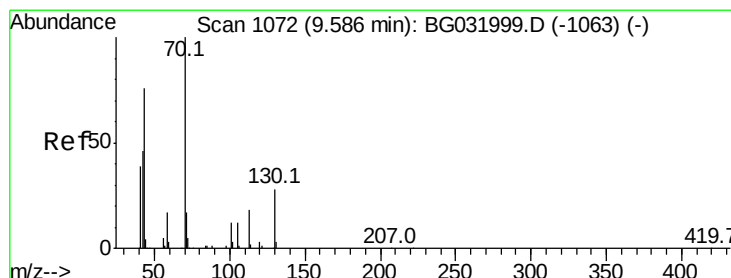
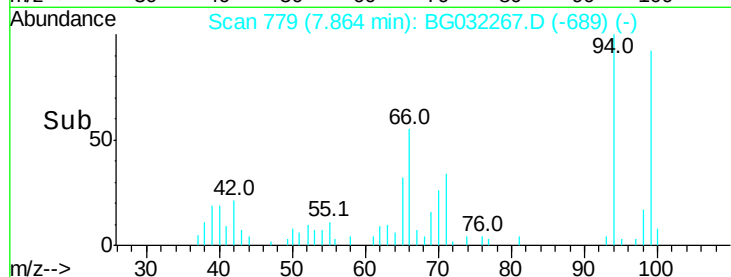
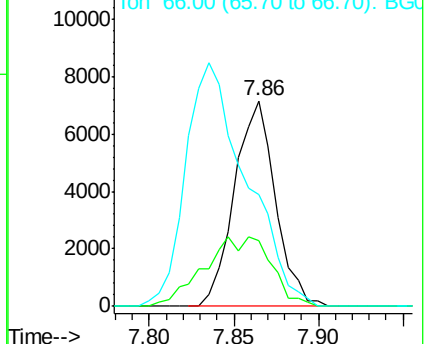
94 100

65 32.1 11.9 51.9

66 54.7 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 13.385 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Tgt Ion: 70 Resp: 22213

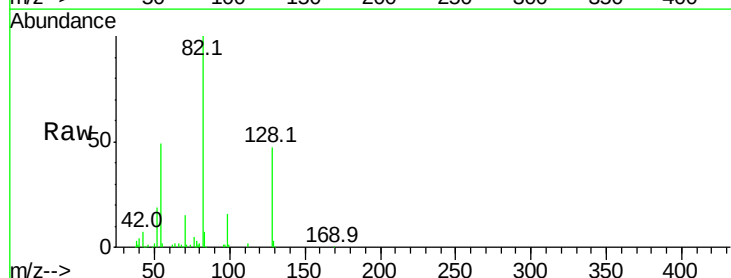
Ion Ratio Lower Upper

70 100

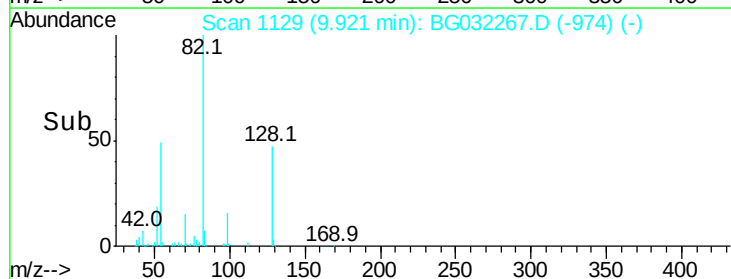
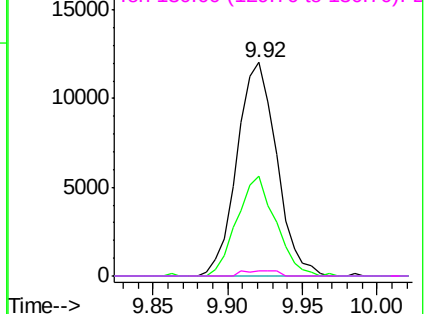
42 46.9 49.1 73.7#

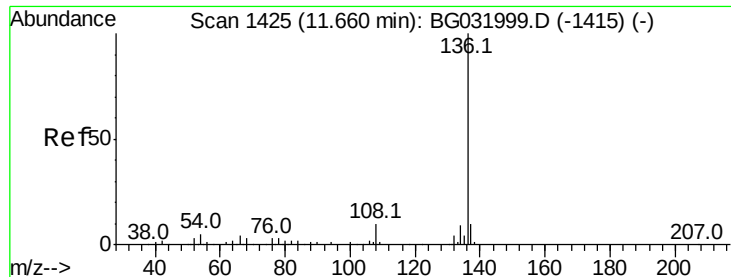
101 0.0 8.5 12.7#

130 2.6 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

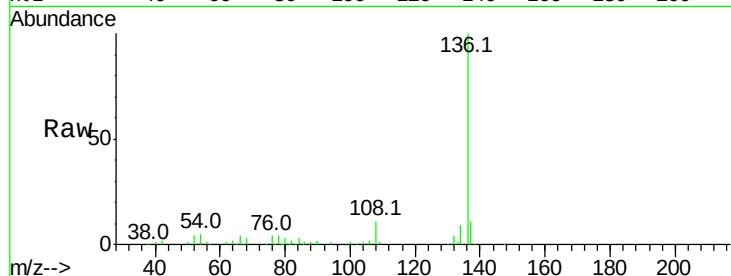




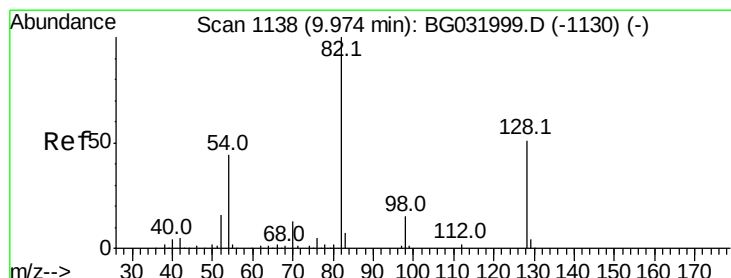
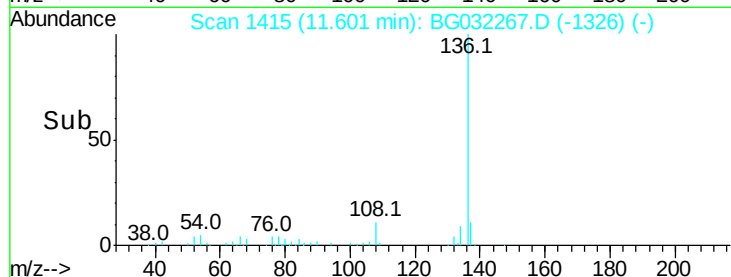
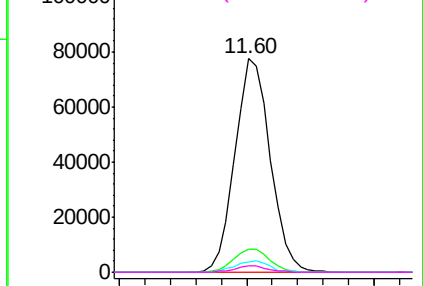
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BG032267.D
Acq: 24 Jan 2018 19:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	149572
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	5.1	10.3	15.5#
68	3.2	4.5	6.7#

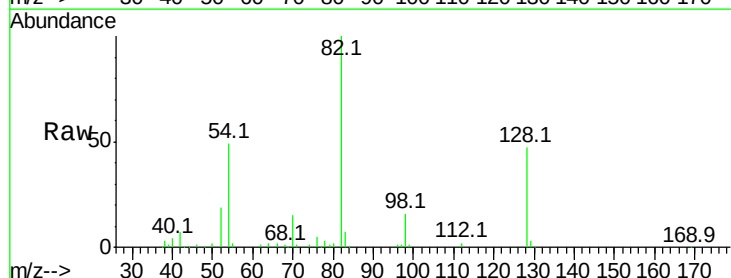


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

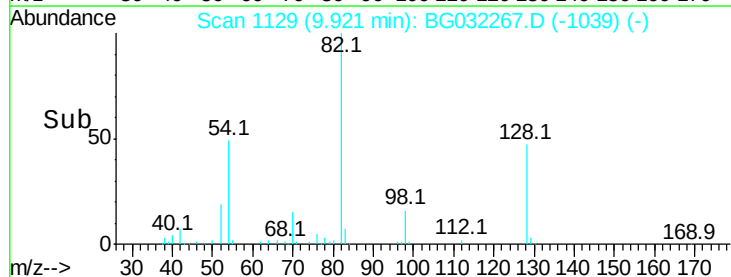
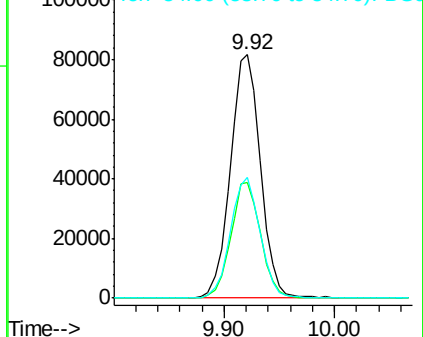


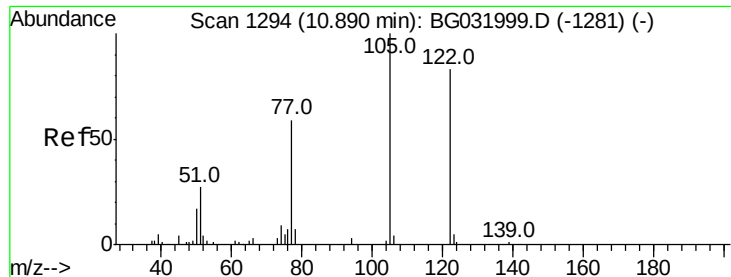
#23
Nitrobenzene-d5
Concen: 70.348 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032267.D
Acq: 24 Jan 2018 19:03

Tgt Ion:	82	Resp:	155527
Ion	Ratio	Lower	Upper
82	100		
128	47.3	29.7	44.5#
54	49.4	43.1	64.7



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

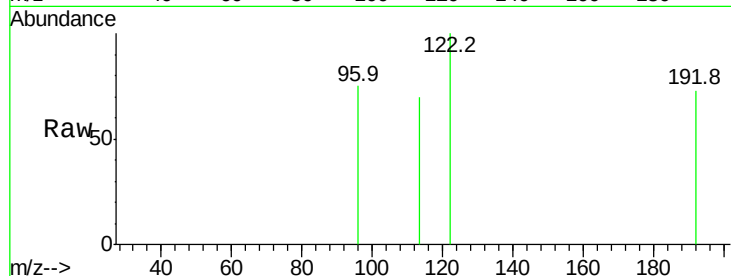




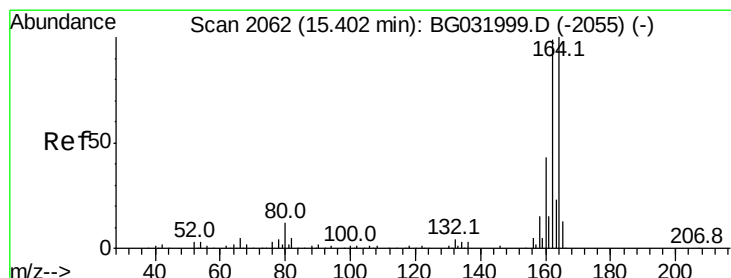
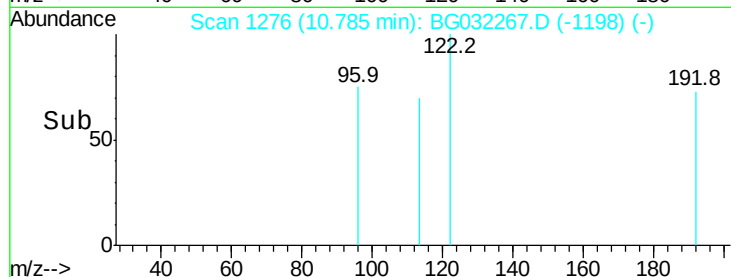
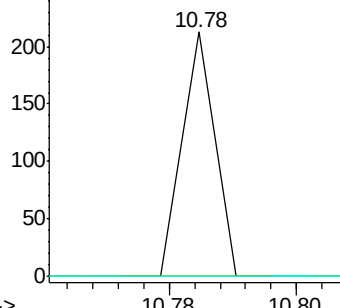
#32
Benzoic acid
Concen: 5.296 ng
RT: 10.78 min Scan# 1276
Delta R.T. -0.07 min
Lab File: BG032267.D
Acq: 24 Jan 2018 19:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

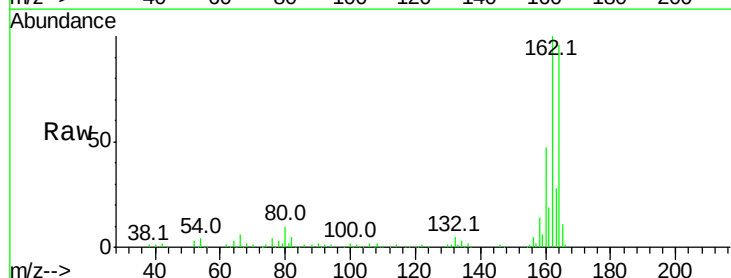


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

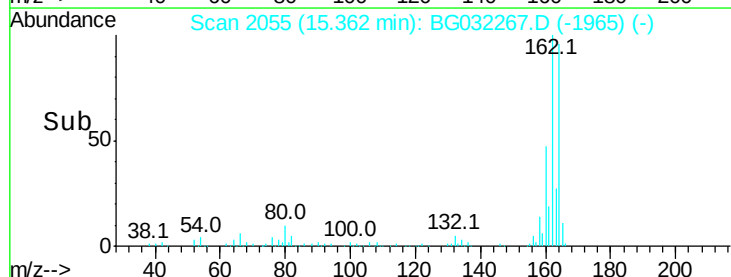
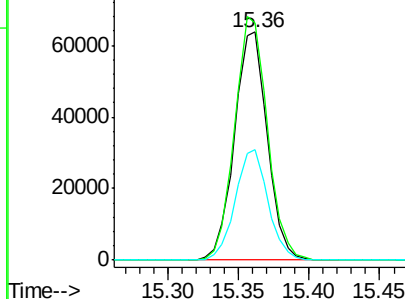


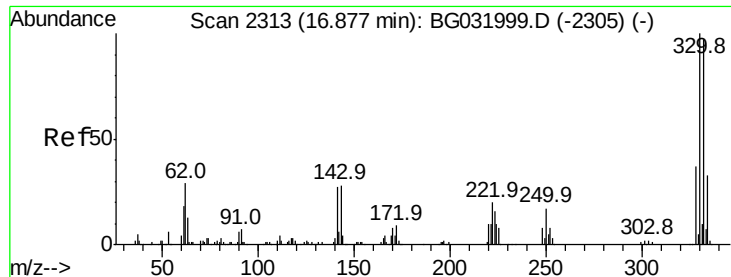
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.00 min
Lab File: BG032267.D
Acq: 24 Jan 2018 19:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	78.8	118.2
160	48.5	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

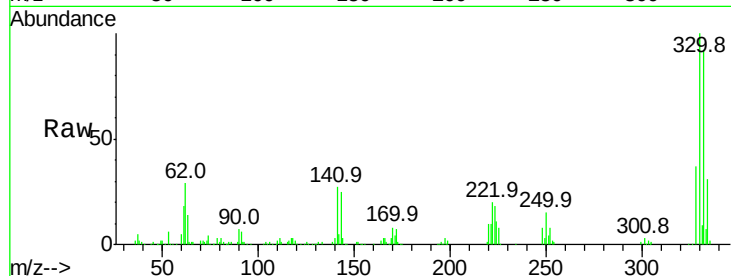




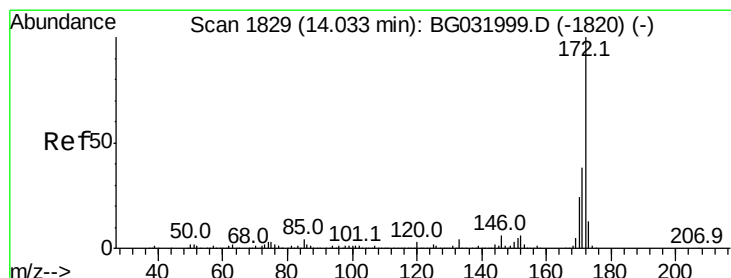
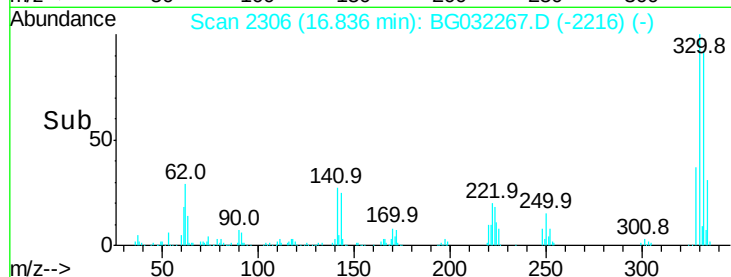
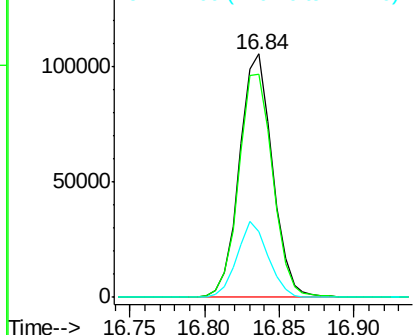
#41
 2,4,6-Tribromophenol
 Concen: 94.561 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	29.6	25.2	37.8

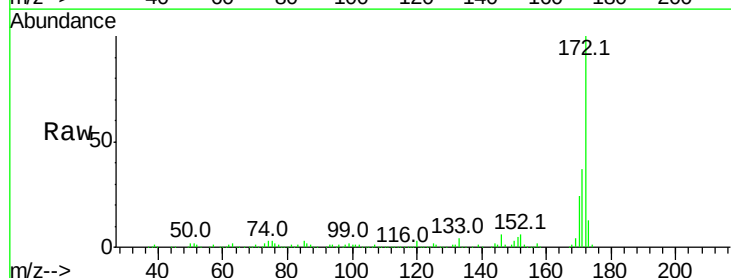


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

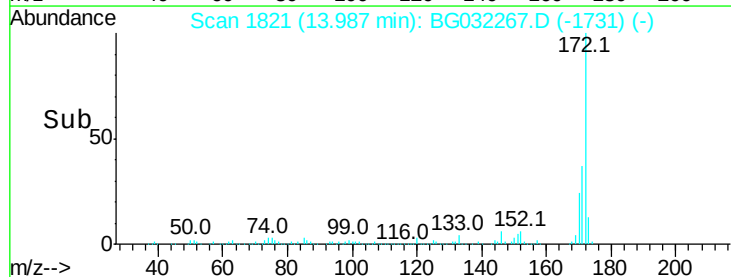
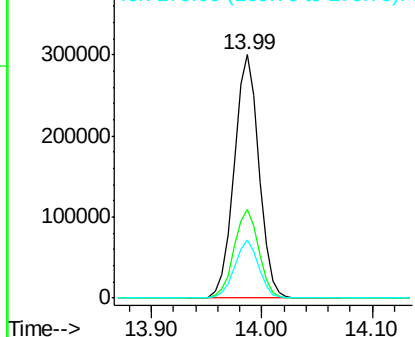


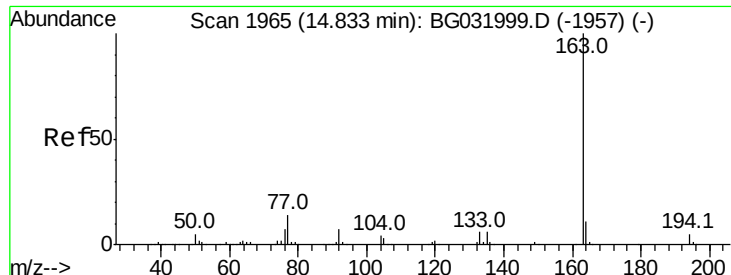
#44
 2-Fluorobiphenyl
 Concen: 56.778 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.0	45.0
170	24.1	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





#49

Dimethylphthalate

Concen: 5.507 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Instrument :

BNA_G

ClientSampleId :

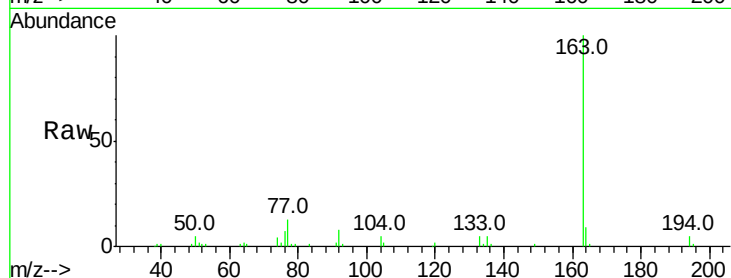
Tot Ion:163 Resp: 49741

Ion Ratio Lower Upper

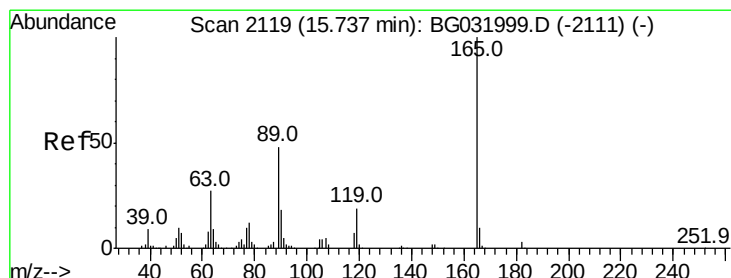
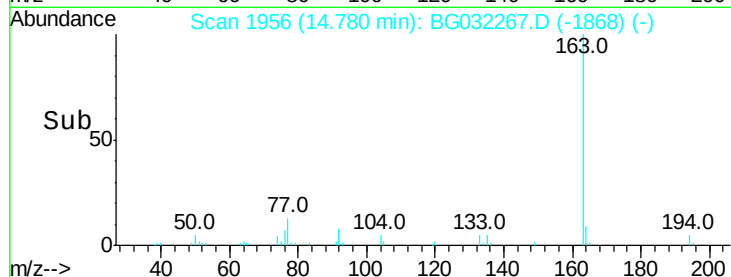
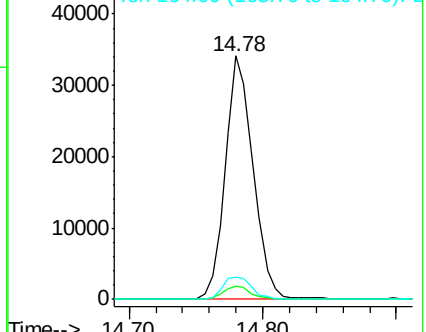
163 100

194 5.2 3.4 5.2#

164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.654 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.34 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Tgt Ion:165 Resp: 14270

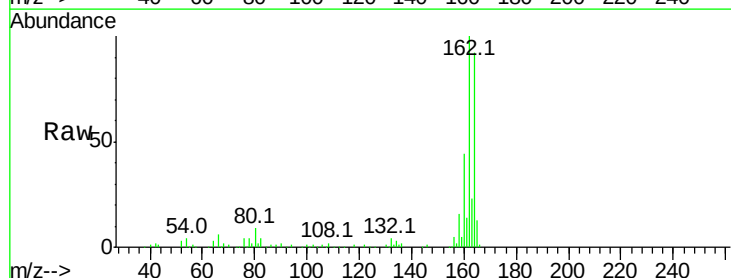
Ion Ratio Lower Upper

165 100

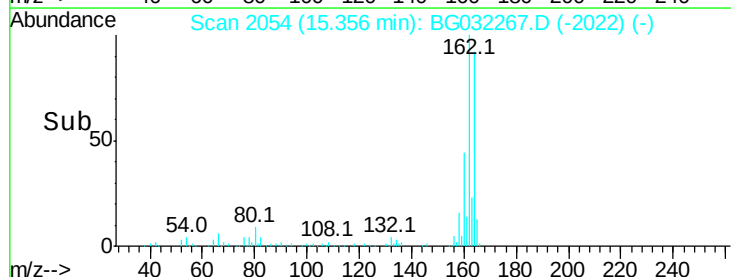
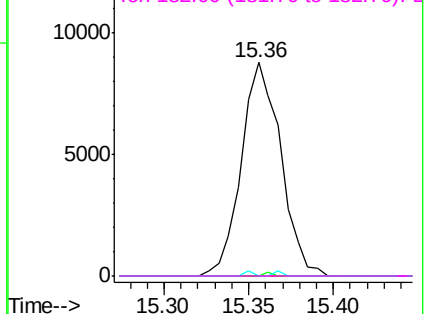
63 0.0 42.0 63.0#

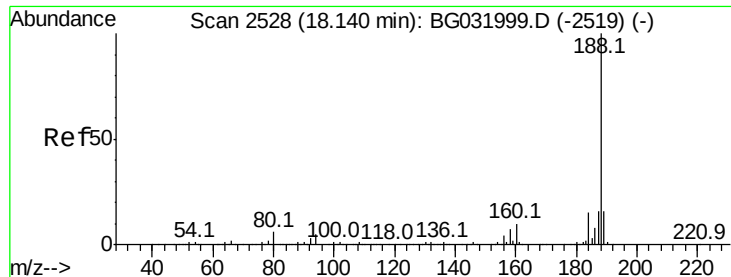
89 0.0 66.9 100.3#

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

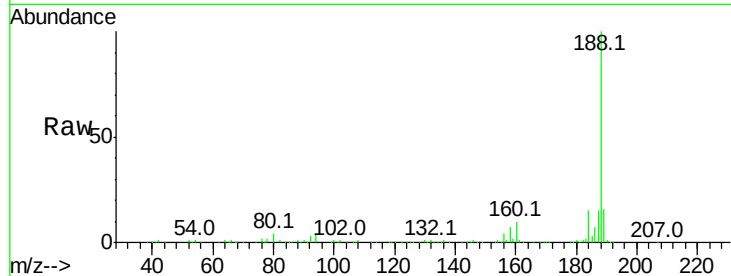




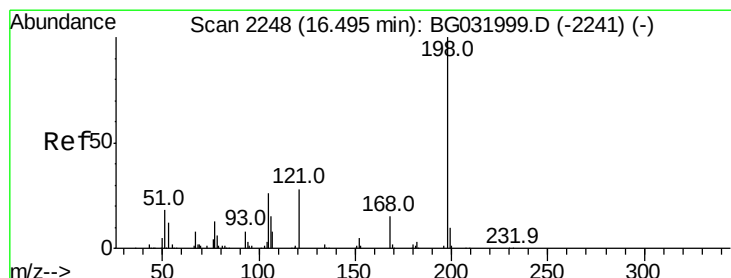
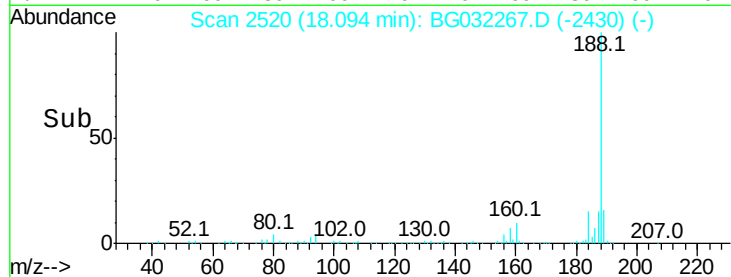
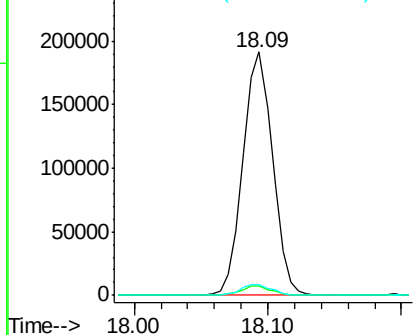
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 293724
 Ion Ratio Lower Upper
 188 100
 94 3.8 6.9 10.3#
 80 4.3 7.7 11.5#

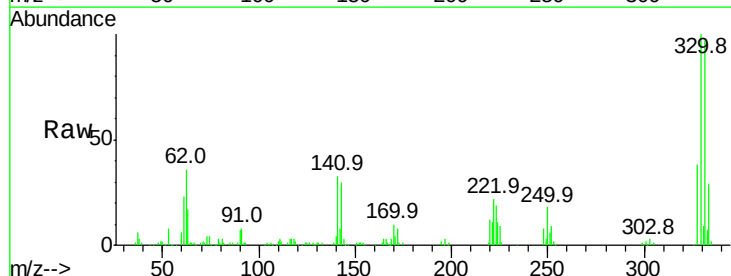


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

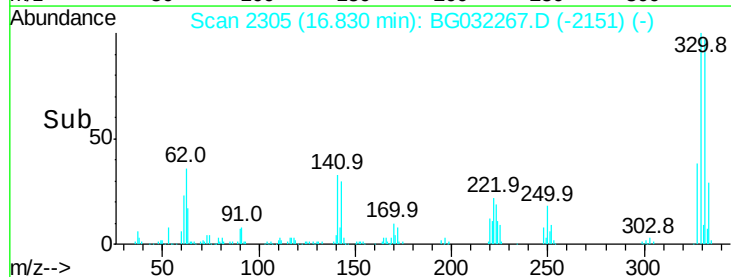
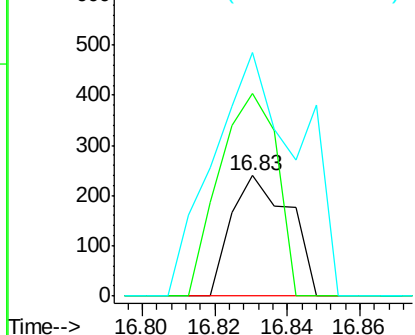


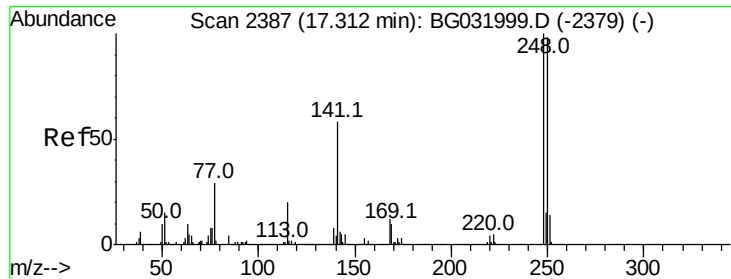
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.012 ng
 RT: 16.83 min Scan# 2305
 Delta R.T. 0.38 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Tgt Ion:198 Resp: 267
 Ion Ratio Lower Upper
 198 100
 51 32.3 30.6 70.6
 105 38.9 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

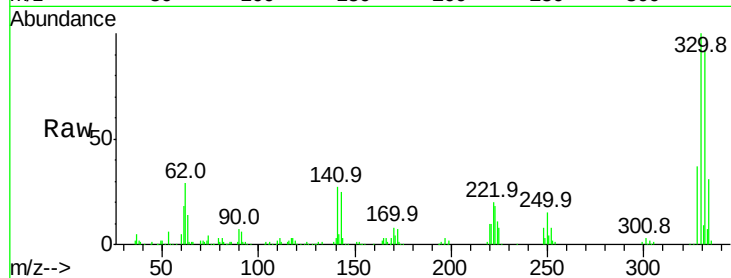




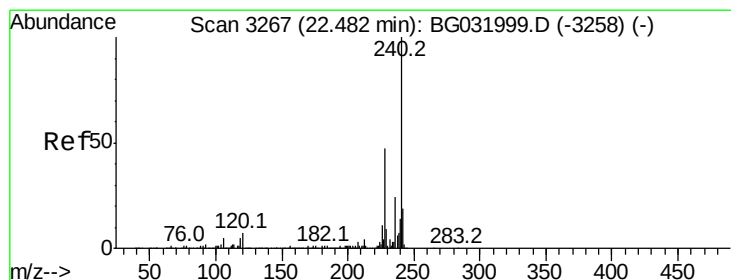
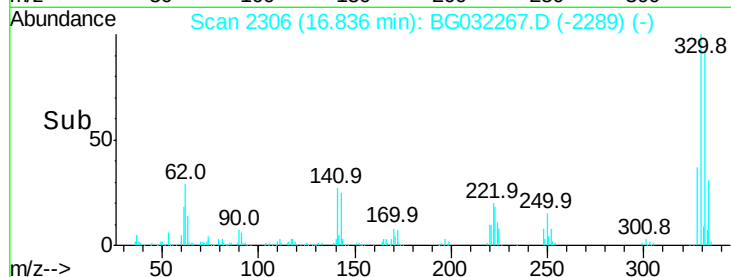
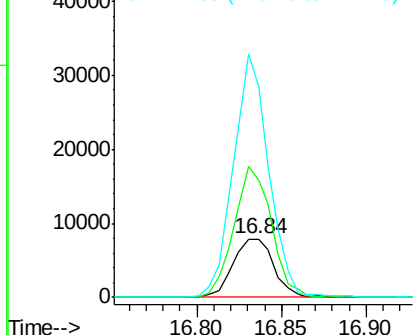
#66
 4-Bromophenyl-phenylether
 Concen: 3.138 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.43 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.1	77.1	115.7#
141	358.4	50.8	76.2#

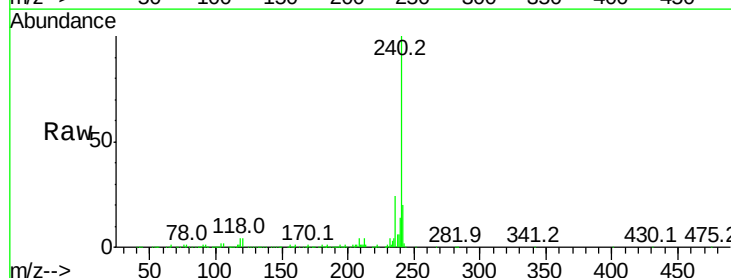


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

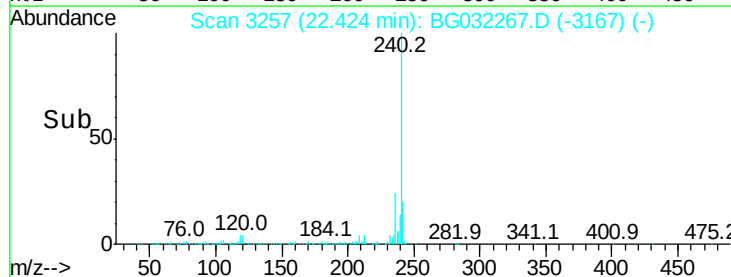
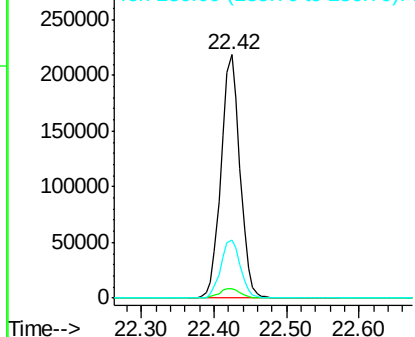


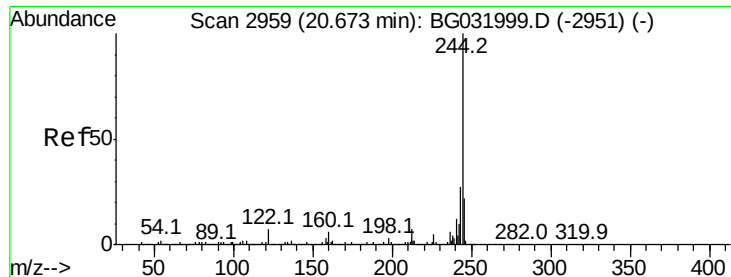
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.42 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: BG032267.D
 Acq: 24 Jan 2018 19:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.9	6.8	10.2#
236	23.7	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





#78

Terphenyl-d14

Concen: 49.535 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

Instrument :

BNA_G

ClientSampleId :

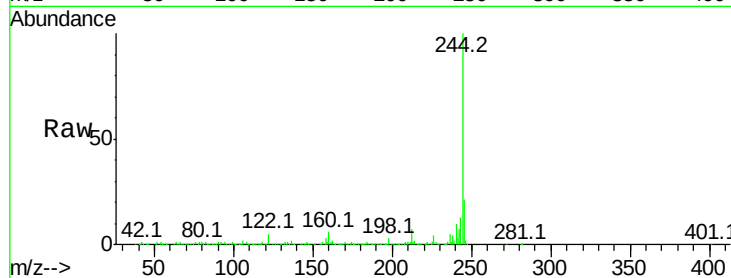
Tot Ion:244 Resp: 888770

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

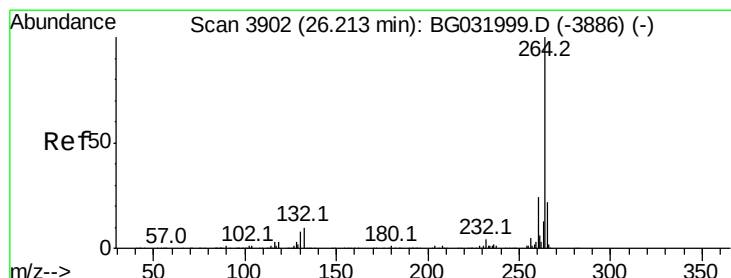
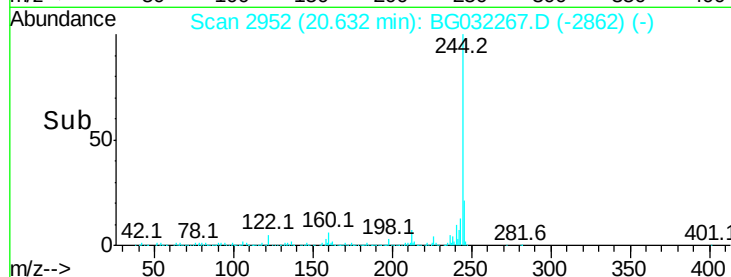
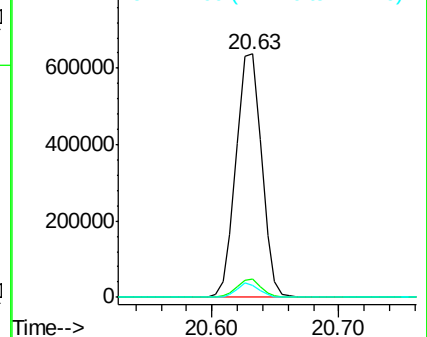
122 5.1 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.11 min Scan# 3884

Delta R.T. -0.00 min

Lab File: BG032267.D

Acq: 24 Jan 2018 19:03

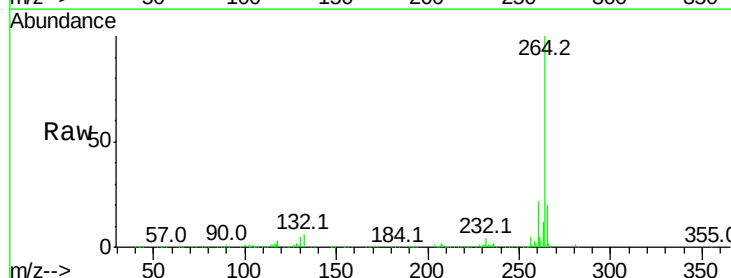
Tgt Ion:264 Resp: 410529

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 20.0 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

