

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032041.D
 Acq On : 15 Jan 2018 20:44
 Operator : SJ/JU
 Sample : J1109-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 01:31:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

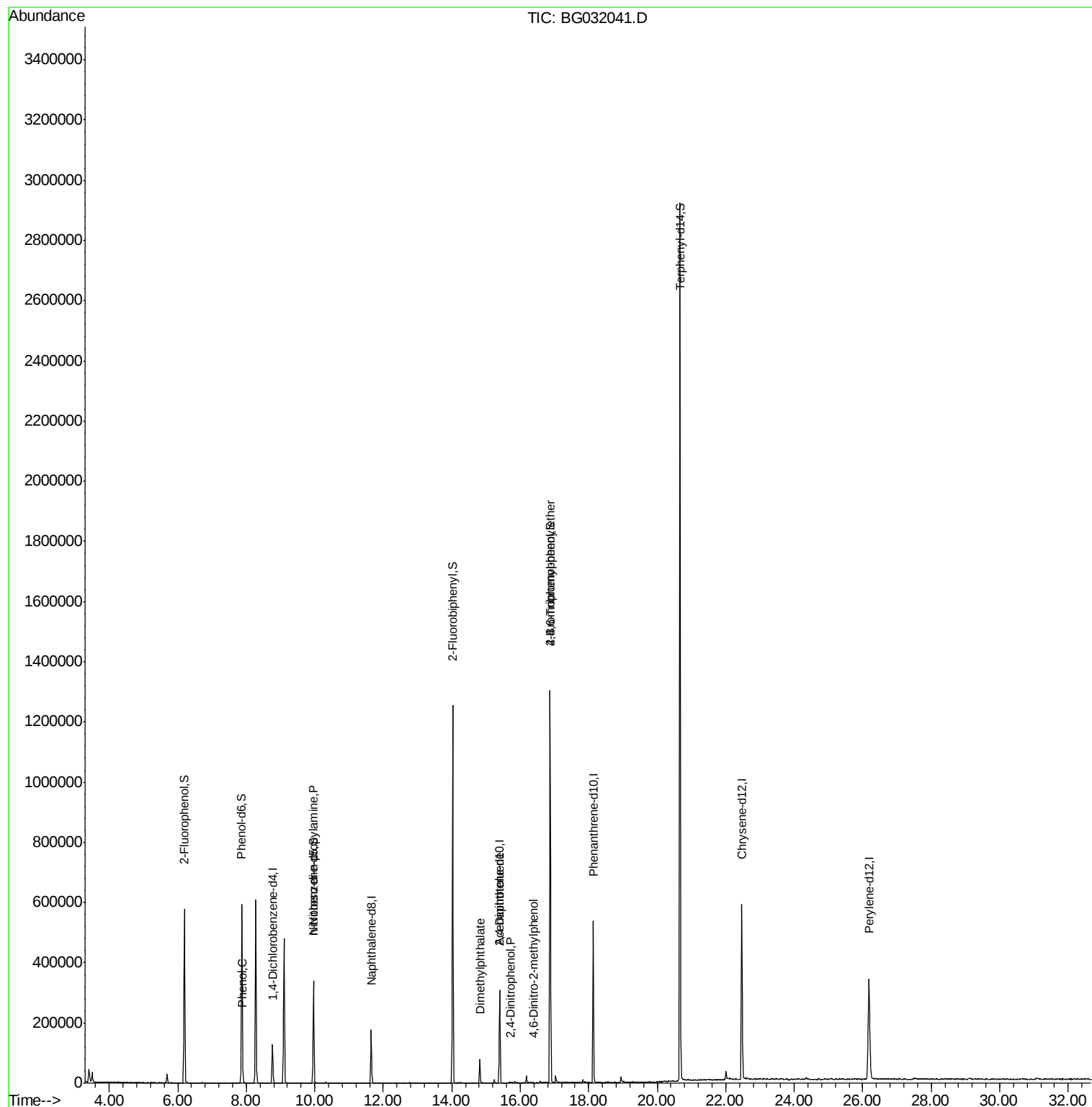
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	44618	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	176031	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	124344	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	362395	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	457613	20.00	ng	-0.02
86) Perylene-d12	26.18	264	470698	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	300668	123.25	ng	0.00
7) Phenol-d6	7.87	99	386361	125.75	ng	0.00
23) Nitrobenzene-d5	9.96	82	218807	84.09	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	298435	145.04	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	744791	74.27	ng	0.00
78) Terphenyl-d14	20.66	244	1583114	76.39	ng	-0.01
Target Compounds						
10) Phenol	7.90	94	10958	3.621	ng	92
19) n-Nitroso-di-n-propylamine	9.96	70	29173	15.303	ng	# 71
49) Dimethylphthalate	14.82	163	60099	5.523	ng	98
53) 2,4-Dinitrophenol	15.73	184	63	7.014	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	16048	5.278	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.39	198	54	4.905	ng	# 29
66) 4-Bromophenyl-phenylether	16.87	248	24541	4.759	ng	# 1

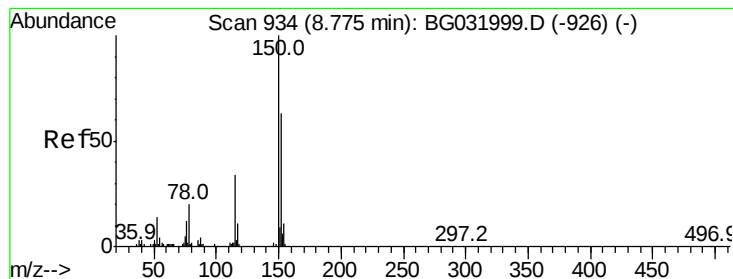
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



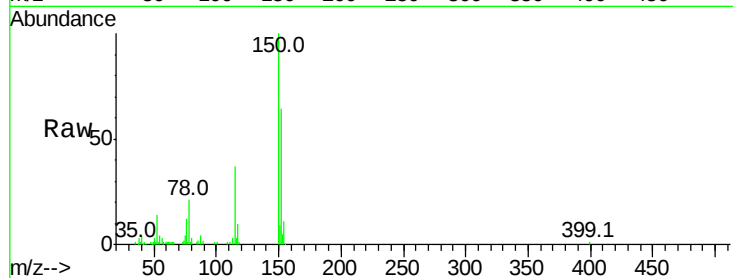


#1

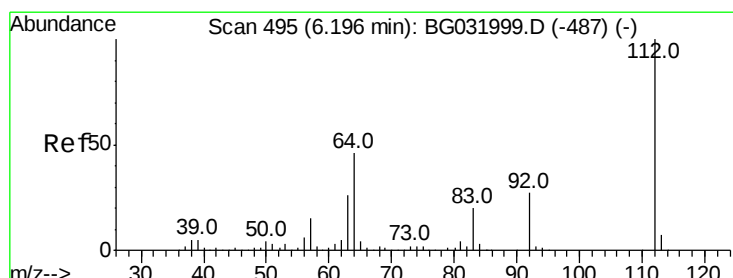
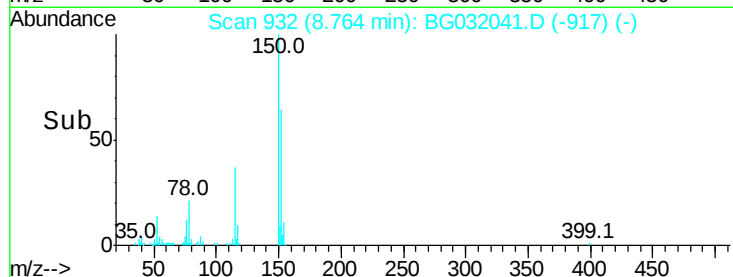
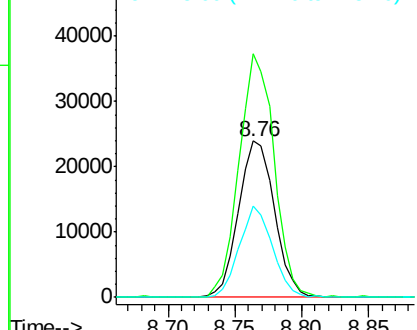
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44618
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 58.2 53.0 79.4



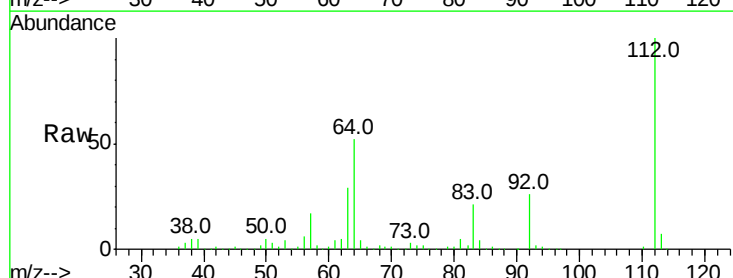
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



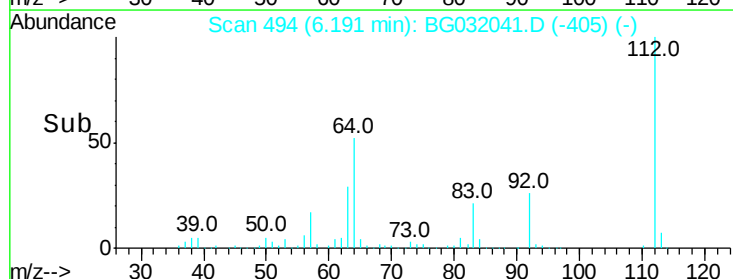
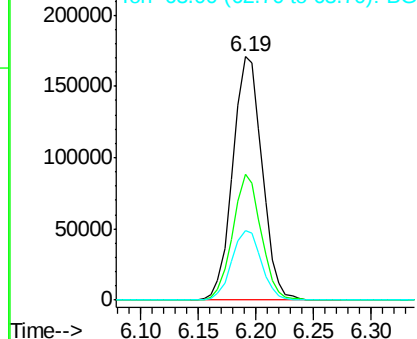
#5

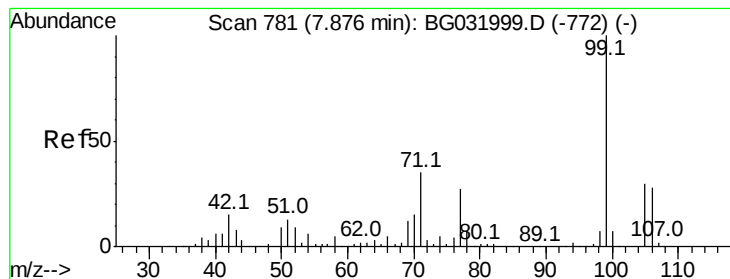
2-Fluorophenol
Concen: 123.247 ng
RT: 6.19 min Scan# 494
Delta R.T. -0.01 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

Tgt Ion:112 Resp: 300668
Ion Ratio Lower Upper
112 100
64 51.8 56.3 84.5#
63 28.8 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: 125.749 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

Instrument :

BNA_G

ClientSampled :

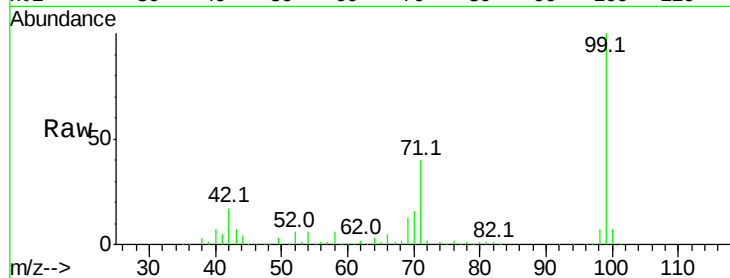
Tot Ion: 99 Resp: 386361

Ion Ratio Lower Upper

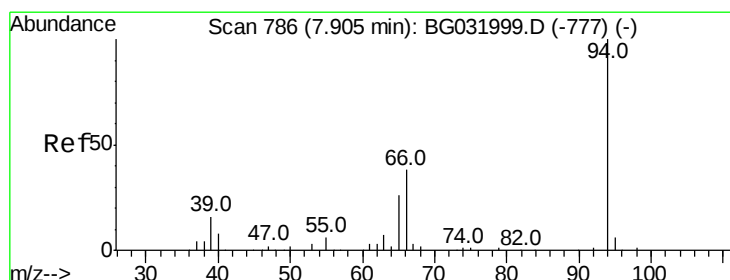
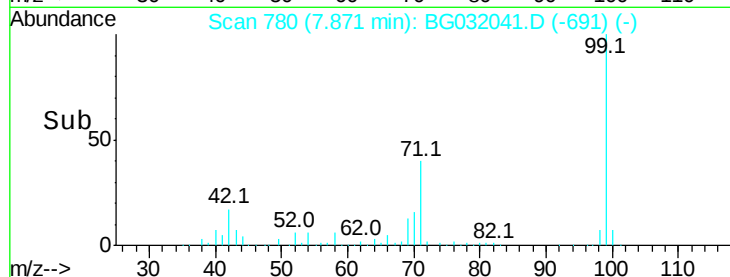
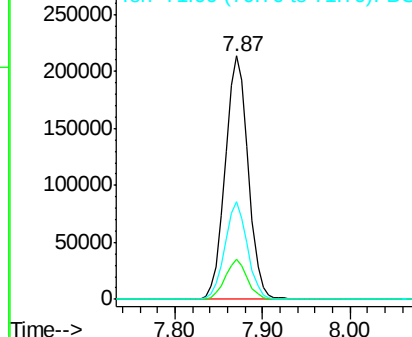
99 100

42 16.6 14.1 21.1

71 40.1 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: 3.621 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

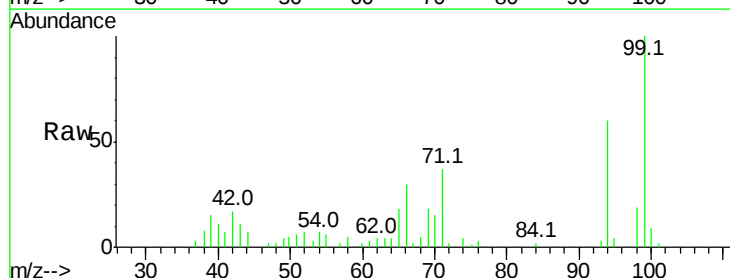
Tgt Ion: 94 Resp: 10958

Ion Ratio Lower Upper

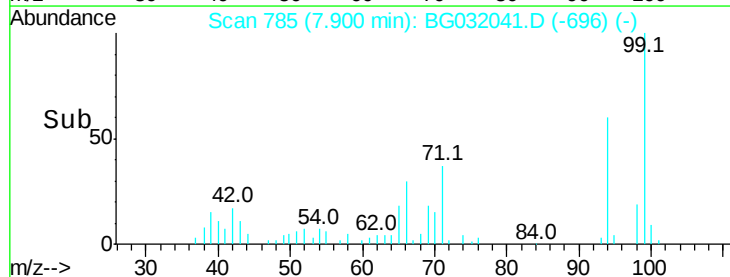
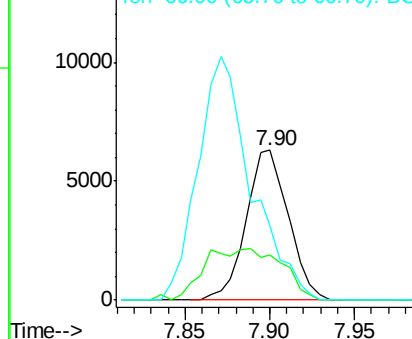
94 100

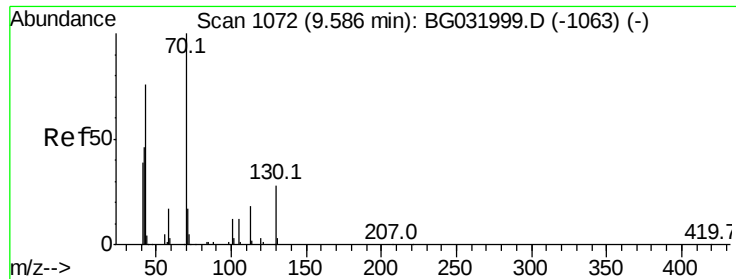
65 30.2 11.9 51.9

66 50.0 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

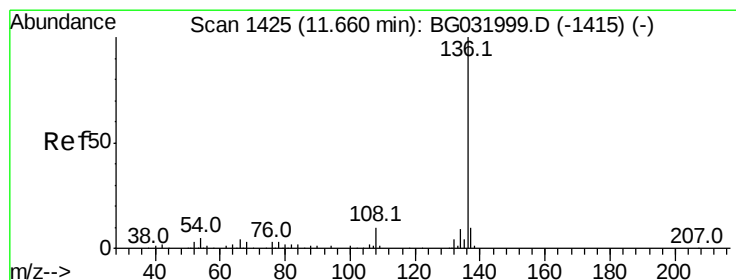
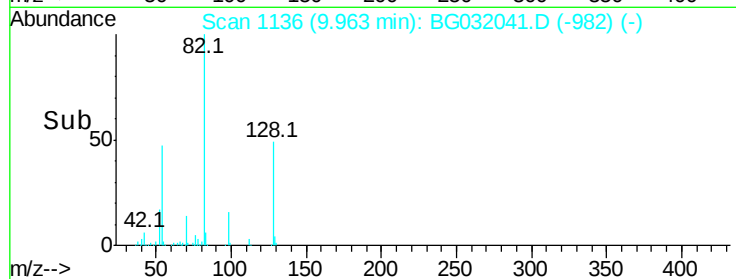
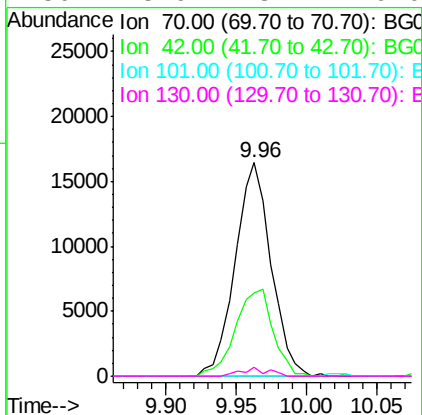
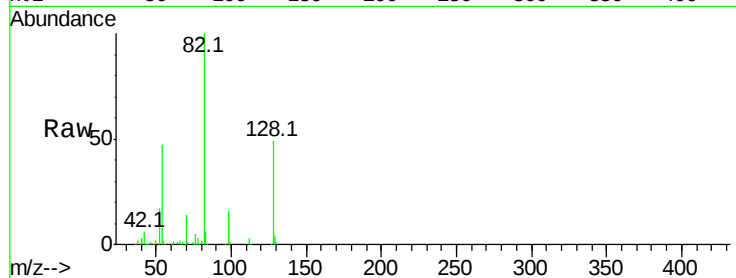




#19
n-Nitroso-di-n-propylamine
Concen: 15.303 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

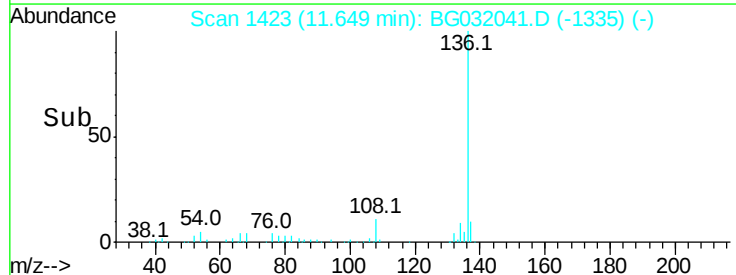
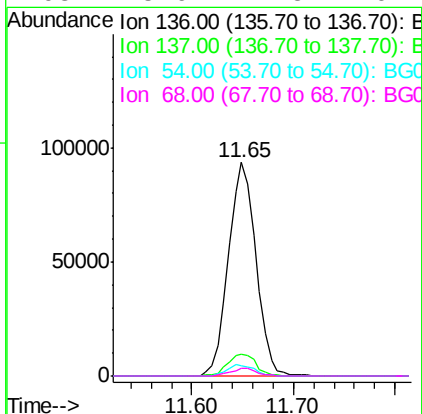
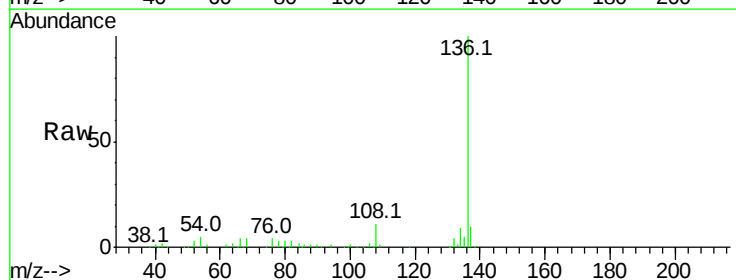
Instrument :
BNA_G
ClientSampleId :

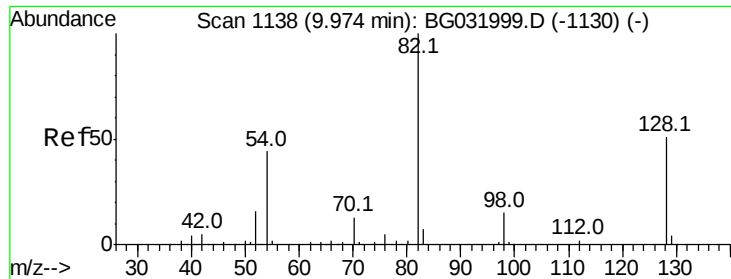
Tot Ion: 70 Resp: 29173
Ion Ratio Lower Upper
70 100
42 39.2 49.1 73.7#
101 0.0 8.5 12.7#
130 3.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

Tgt Ion: 136 Resp: 176031
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 5.0 10.3 15.5#
68 3.6 4.5 6.7#

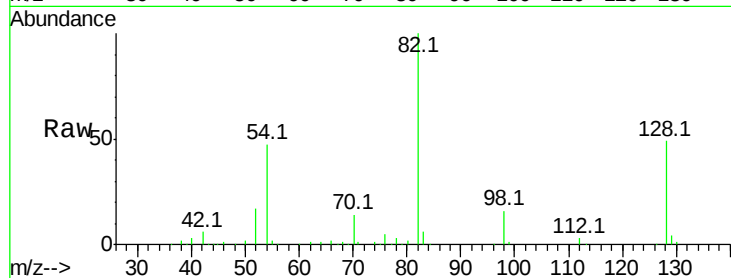




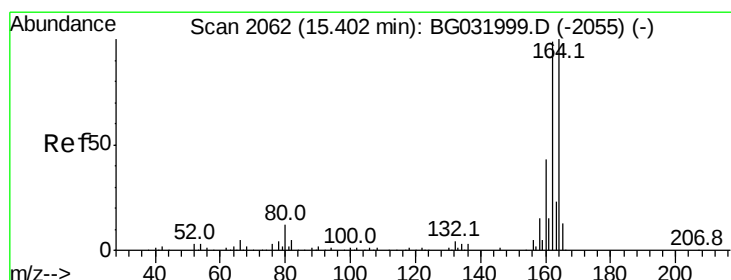
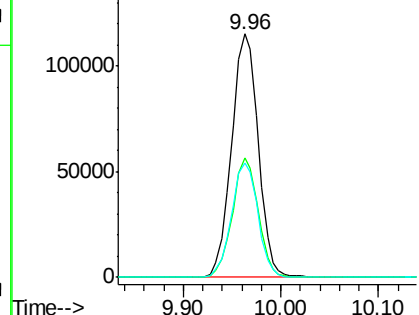
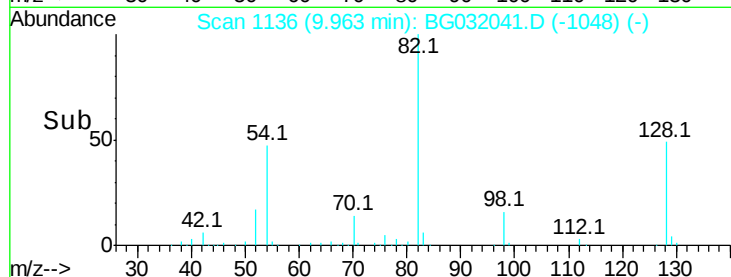
#23
Nitrobenzene-d5
Concen: 84.094 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 218807
Ion Ratio Lower Upper
82 100
128 49.0 29.7 44.5#
54 46.9 43.1 64.7

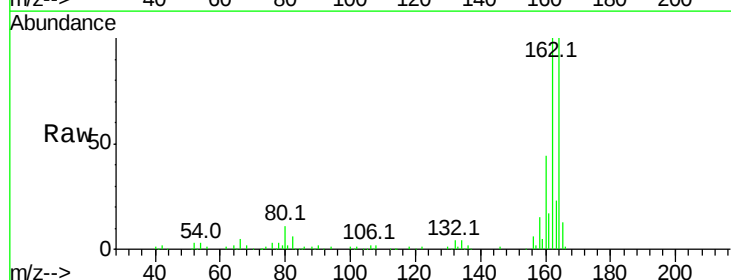


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

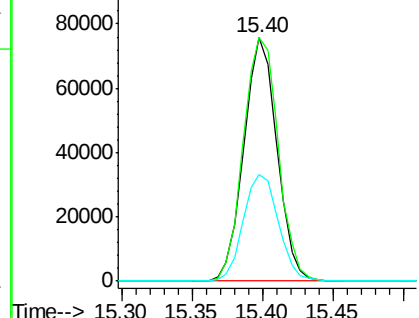
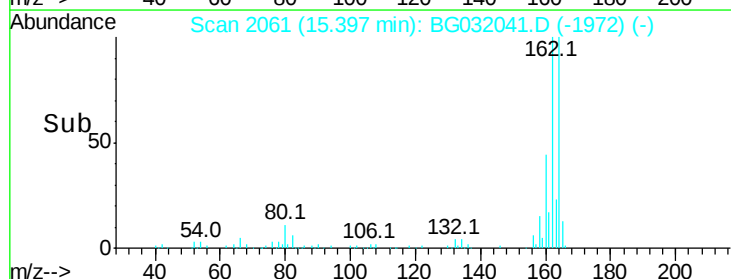


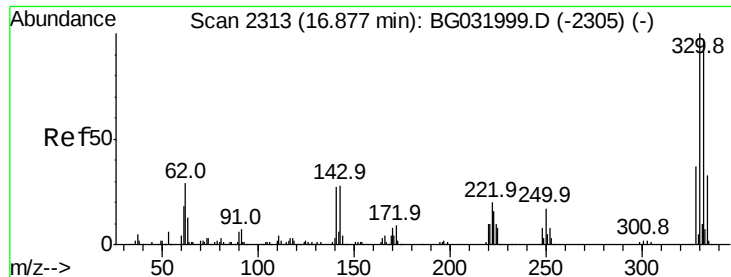
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032041.D
Acq: 15 Jan 2018 20:44

Tgt Ion:164 Resp: 124344
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 43.9 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: 145.040 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

Instrument :

BNA_G

ClientSampled :

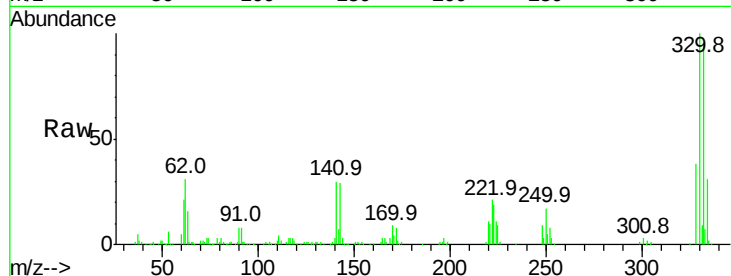
Tot Ion:330 Resp: 298435

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

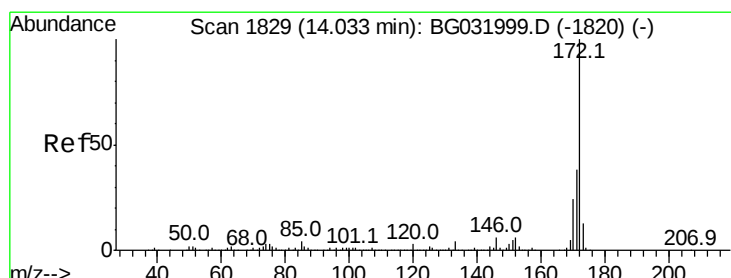
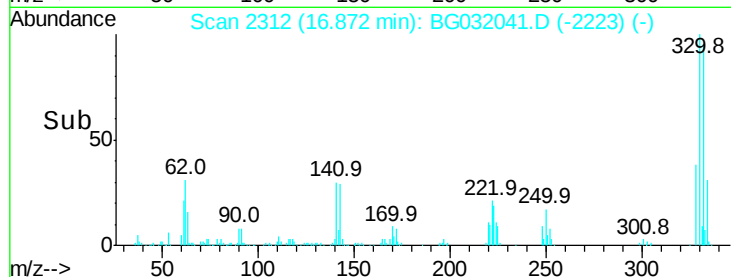
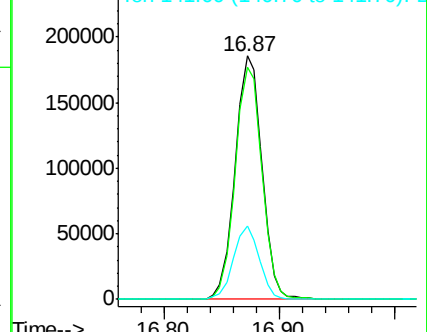
141 29.1 25.2 37.8



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: 74.270 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

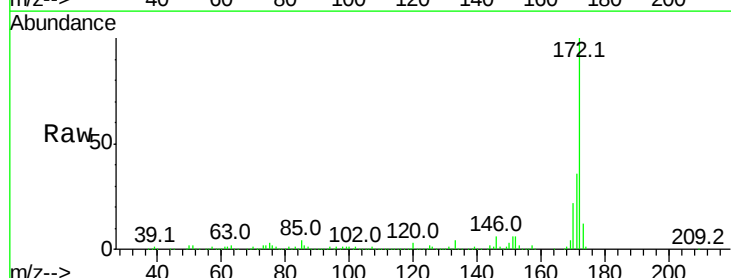
Tgt Ion:172 Resp: 744791

Ion Ratio Lower Upper

172 100

171 36.0 30.0 45.0

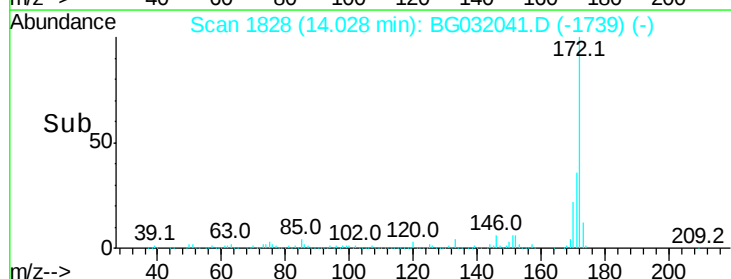
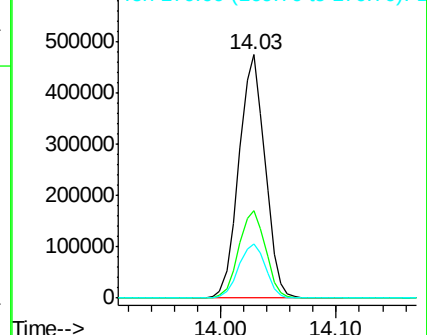
170 22.2 19.5 29.3

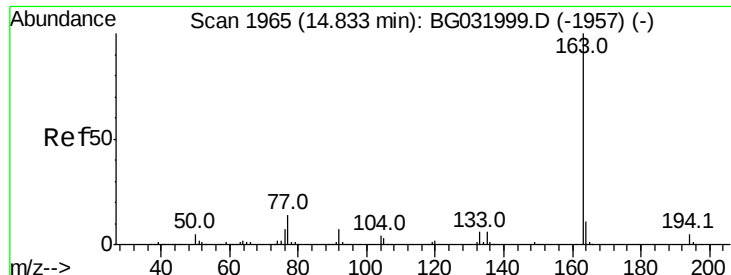


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.523 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

Instrument :

BNA_G

ClientSampled :

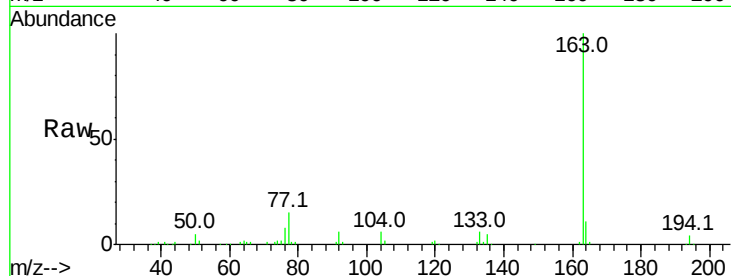
Tot Ion:163 Resp: 60099

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

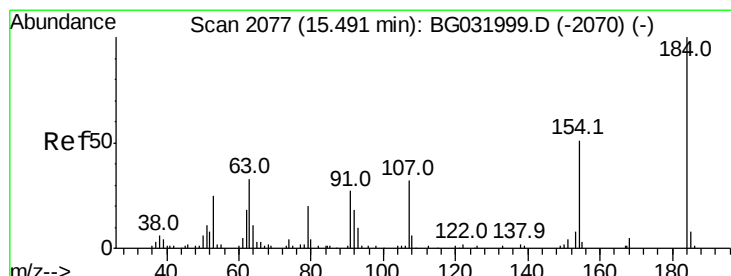
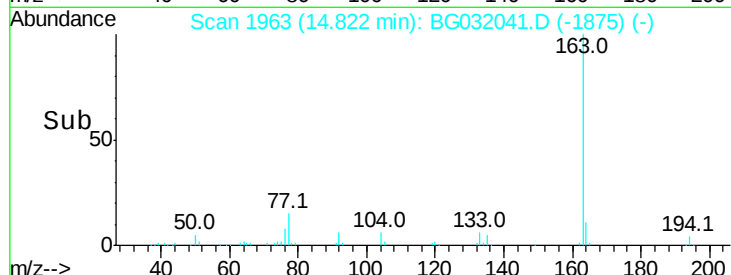
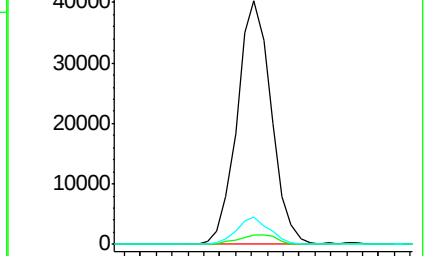
164 11.3 8.2 12.4



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



#53

2,4-Dinitrophenol

Concen: 7.014 ng

RT: 15.73 min Scan# 2117

Delta R.T. 0.24 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

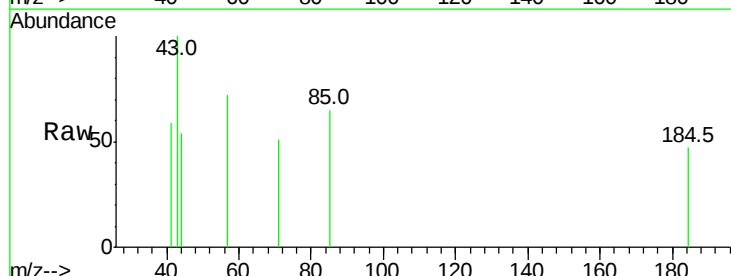
Tgt Ion:184 Resp: 63

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

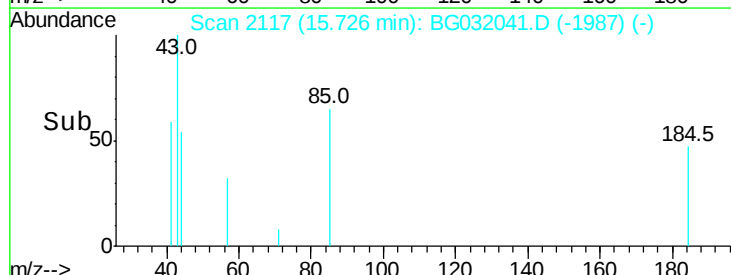
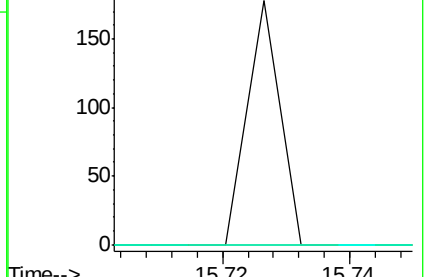
154 0.0 101.8 152.8#

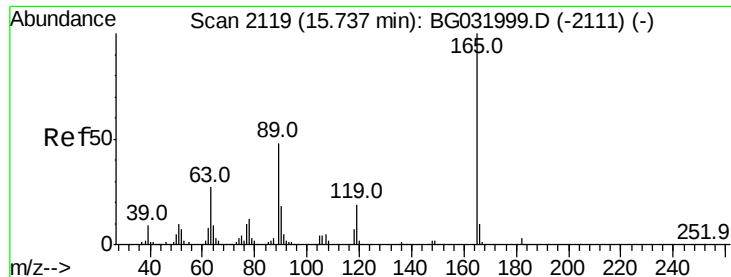


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

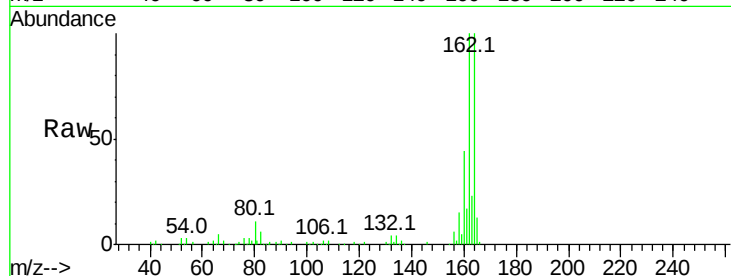




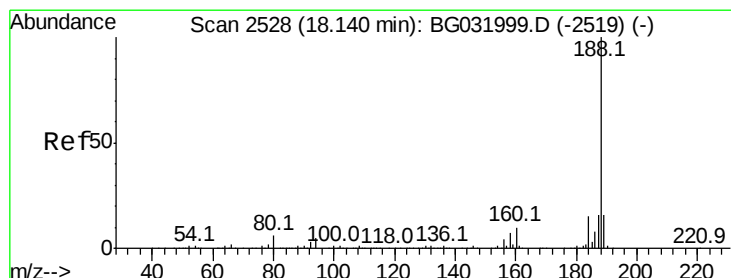
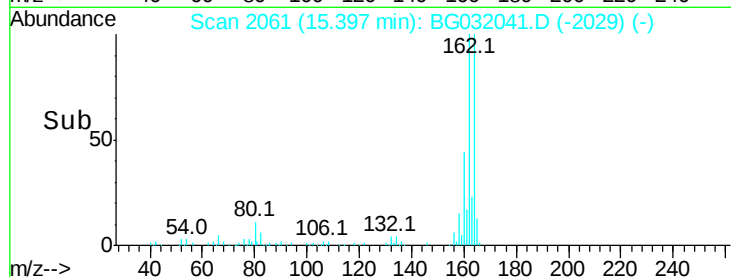
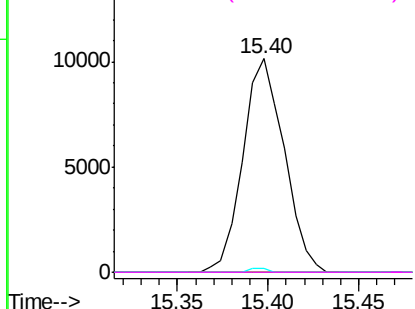
#56
 2,4-Dinitrotoluene
 Concen: 5.278 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032041.D
 Acq: 15 Jan 2018 20:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 16048
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#

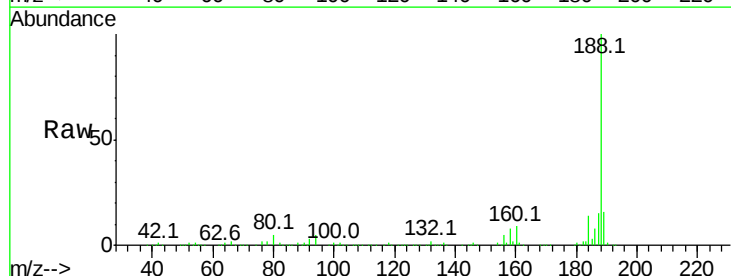


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

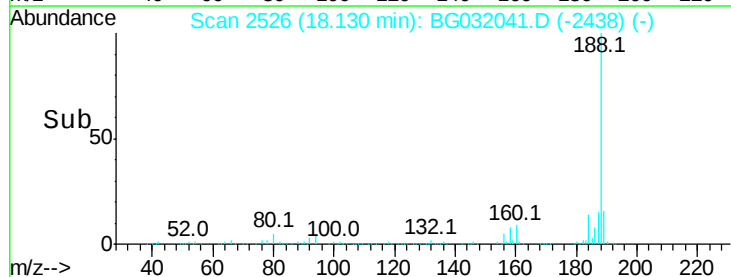
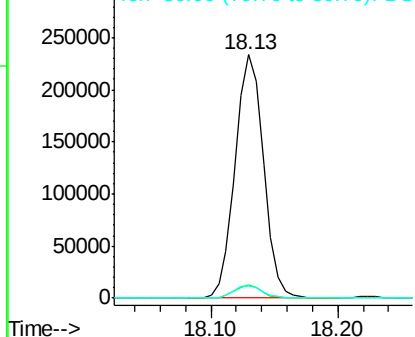


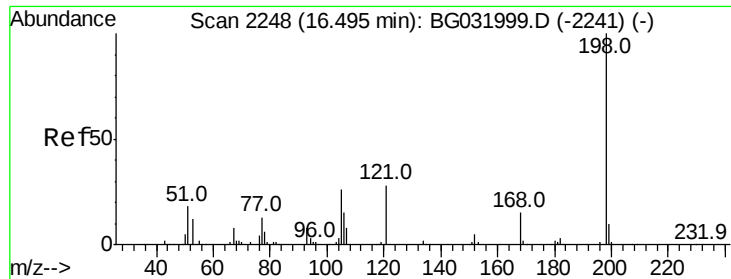
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032041.D
 Acq: 15 Jan 2018 20:44

Tgt Ion:188 Resp: 362395
 Ion Ratio Lower Upper
 188 100
 94 5.3 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: 4.905 ng

RT: 16.39 min Scan# 2230

Delta R.T. -0.10 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

Instrument :

BNA_G

ClientSampleId :

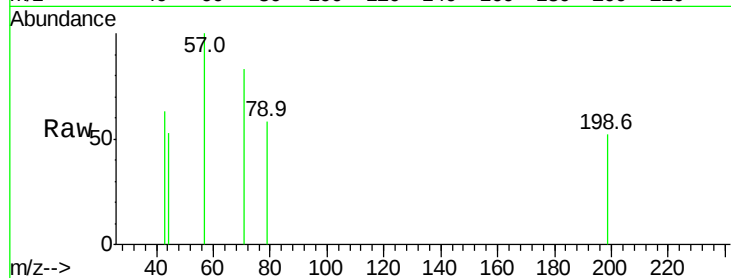
Tot Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

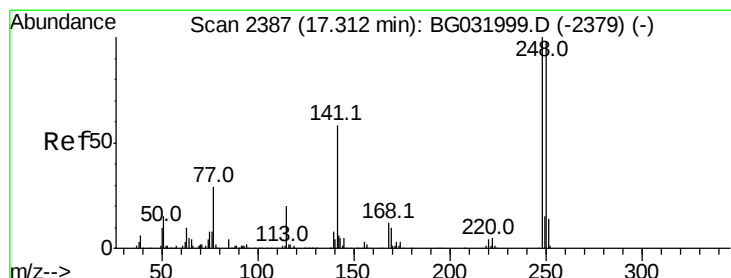
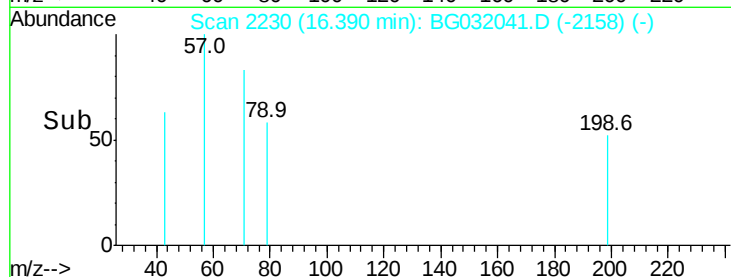
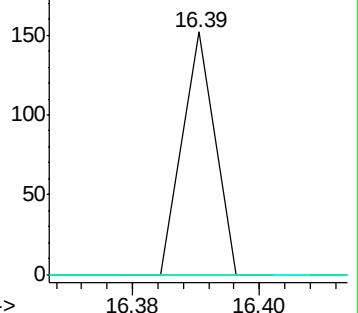
105 0.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.759 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.44 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

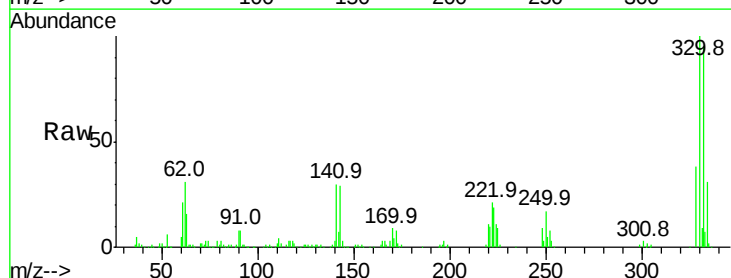
Tgt Ion:248 Resp: 24541

Ion Ratio Lower Upper

248 100

250 195.8 77.1 115.7#

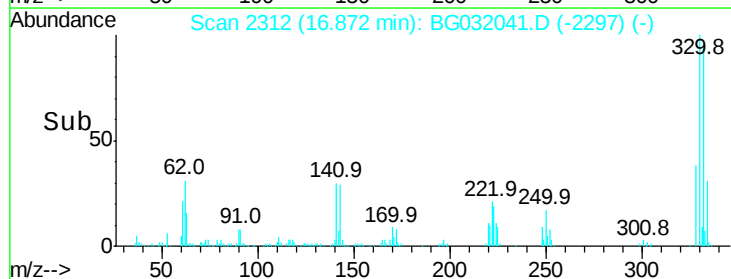
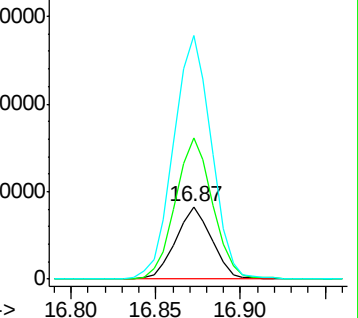
141 337.3 50.8 76.2#

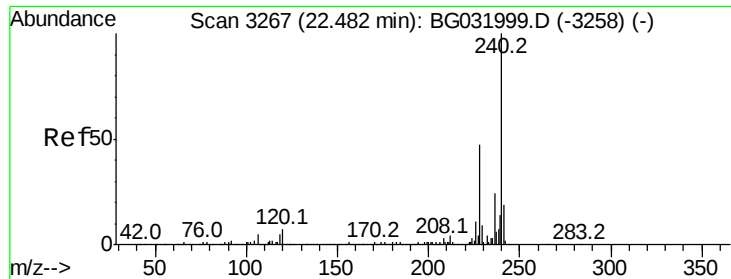


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

Instrument :

BNA_G

ClientSampleId :

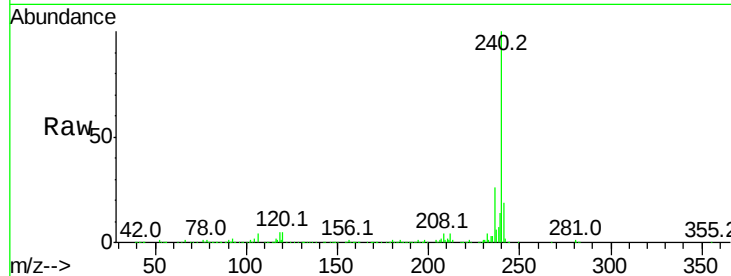
Tot Ion:240 Resp: 457613

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

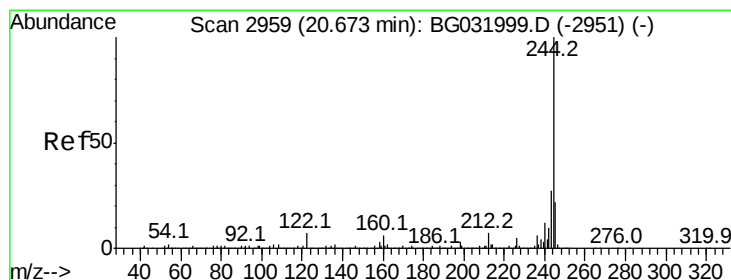
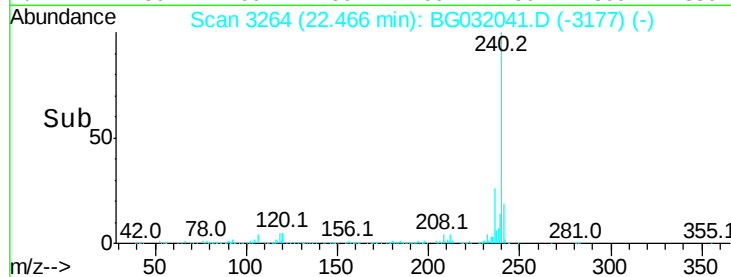
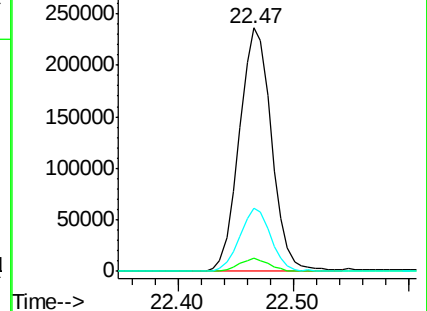
236 25.8 20.9 31.3



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: 76.387 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032041.D

Acq: 15 Jan 2018 20:44

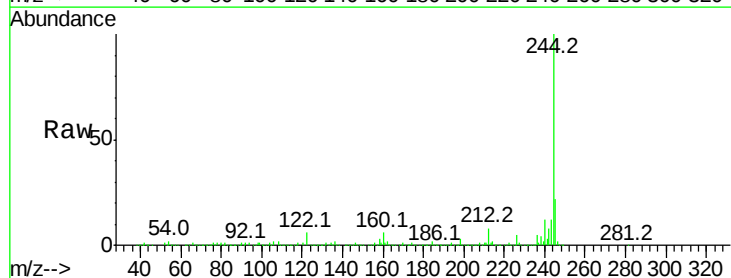
Tgt Ion:244 Resp: 1583114

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

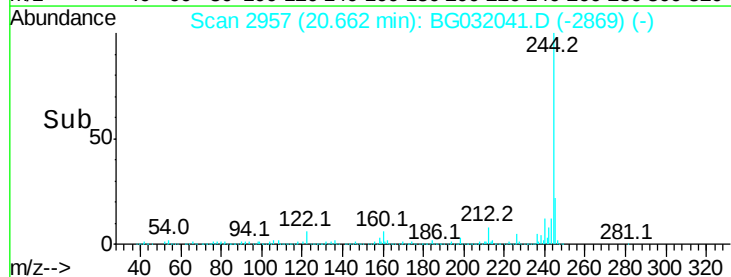
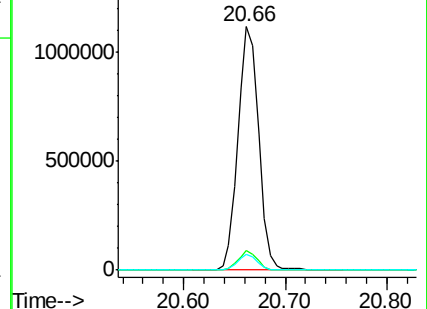
122 6.3 7.0 10.4#

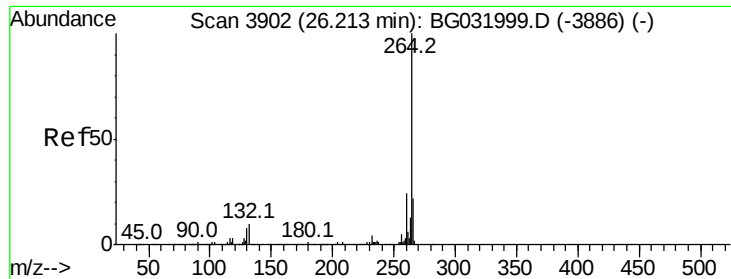


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

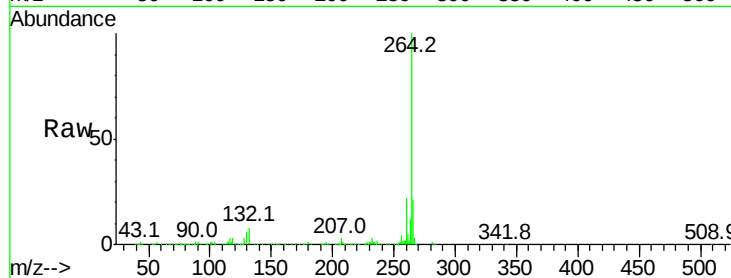




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3896
 Delta R.T. -0.03 min
 Lab File: BG032041.D
 Acq: 15 Jan 2018 20:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264	Resp:	470698
Ion	Ratio	Lower Upper
264	100	
260	22.4	17.4 26.0
265	20.6	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

