

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032042.D
 Acq On : 15 Jan 2018 21:22
 Operator : SJ/JU
 Sample : J1109-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 01:31:37 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	8.77	152	42358	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	171484	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	121912	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	351226	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	443759	20.00	ng	-0.02
86) Perylene-d12	26.18	264	456628	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.19	112	237878	102.71	ng	0.00
7) Phenol-d6	7.87	99	302096	103.57	ng	0.00
23) Nitrobenzene-d5	9.96	82	173198	68.33	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	228985	113.51	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	567684	57.74	ng	0.00
78) Terphenyl-d14	20.66	244	1179449	58.69	ng	-0.01

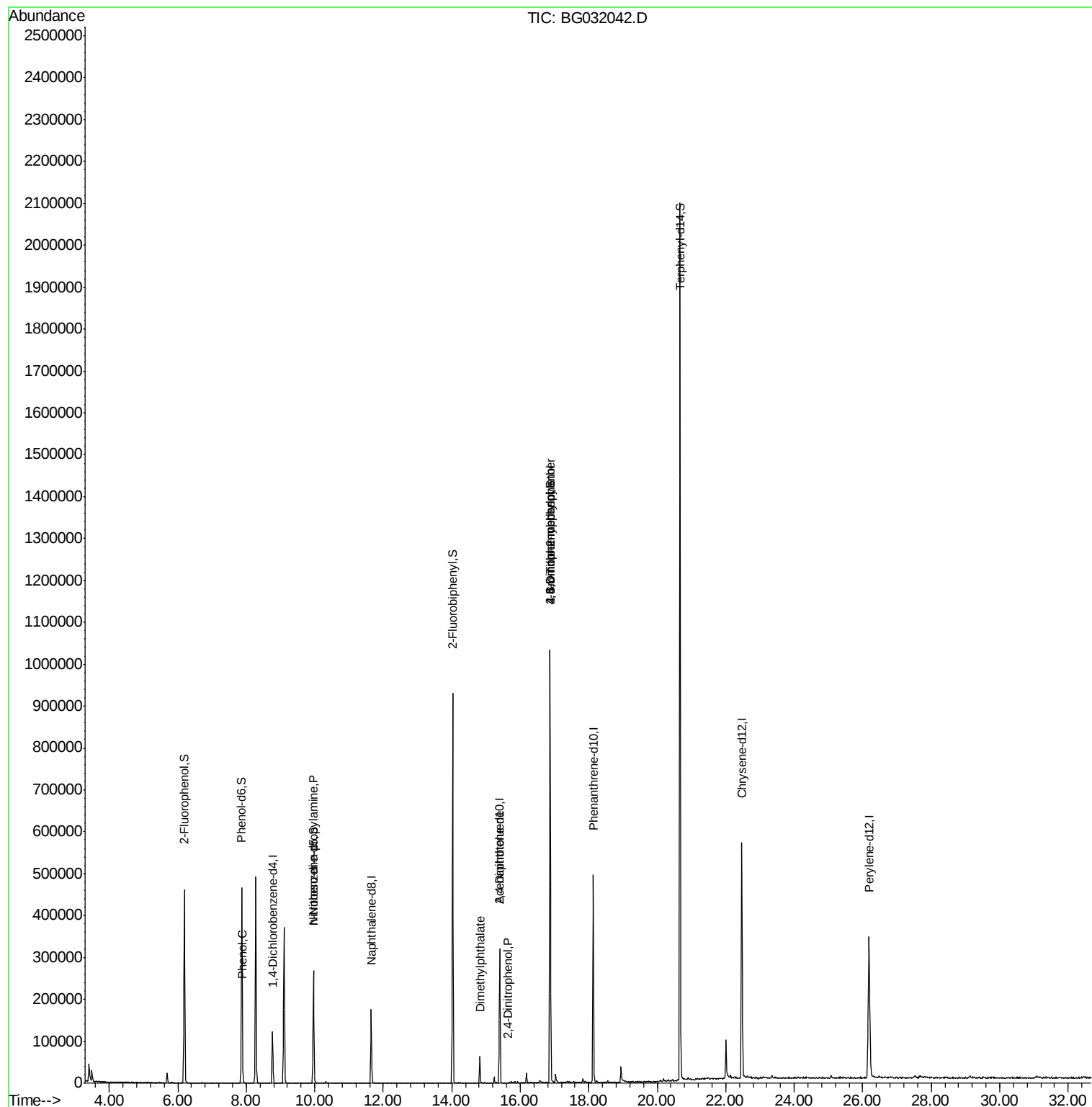
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.89	94	6961	2.423	ng	# 75
19) n-Nitroso-di-n-propylamine	9.97	70	23349	12.902	ng	# 65
49) Dimethylphthalate	14.82	163	46633	4.371	ng	# 98
53) 2,4-Dinitrophenol	15.64	184	61	7.014	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	16682	5.596	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.87	198	444	5.062	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	19237	3.849	ng	# 1

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

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QLast Update : Mon Jan 15 10:05:15 2018
Response via : Initial Calibration



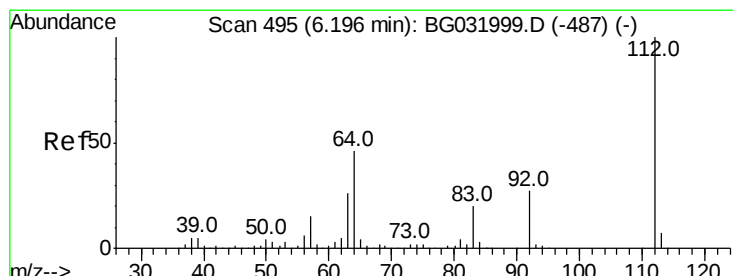
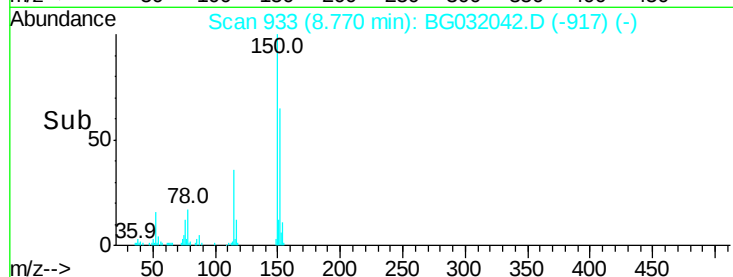
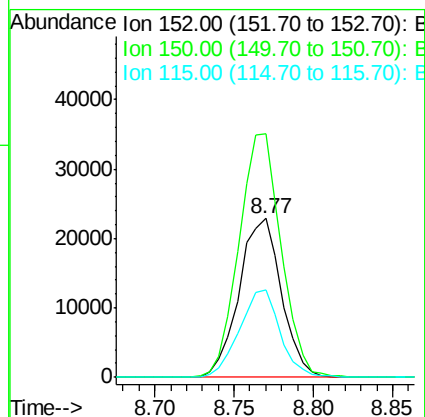
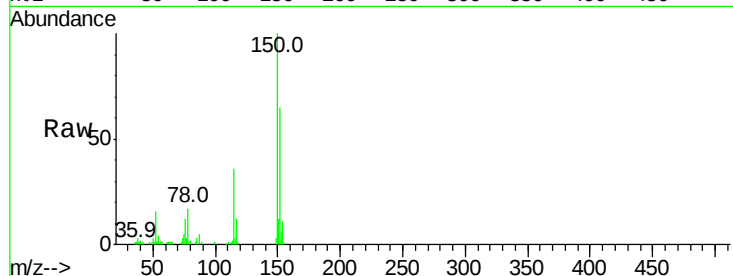


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

Instrument :
BNA_G
ClientSampleId :

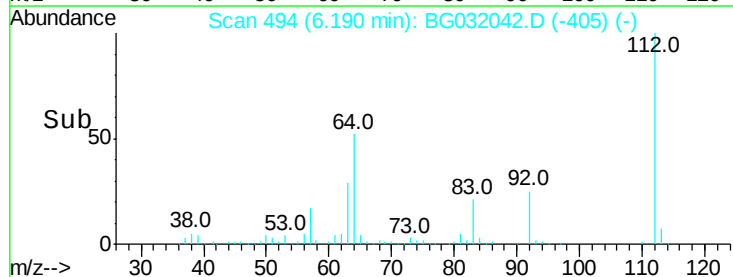
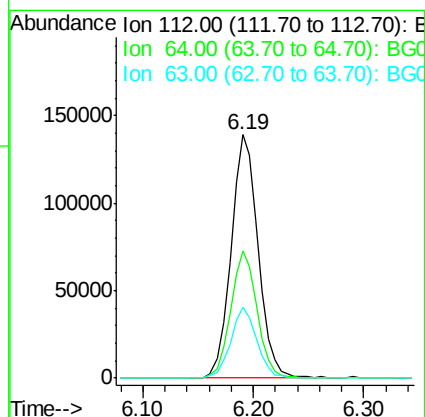
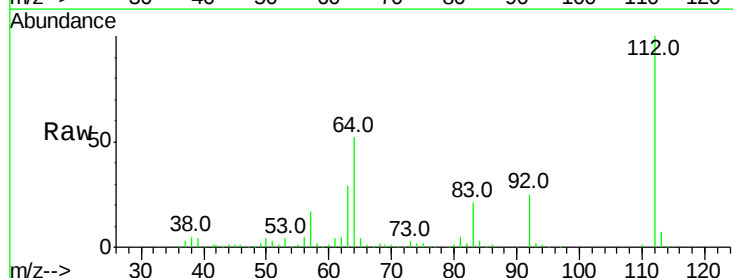
Tot Ion:152 Resp: 42358
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 54.9 53.0 79.4



#5

2-Fluorophenol
Concen: 102.711 ng
RT: 6.19 min Scan# 494
Delta R.T. -0.01 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

Tgt Ion:112 Resp: 237878
Ion Ratio Lower Upper
112 100
64 52.3 56.3 84.5#
63 28.9 30.1 45.1#





#7

Phenol-d6

Concen: 103.569 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

Instrument :

BNA_G

ClientSampled :

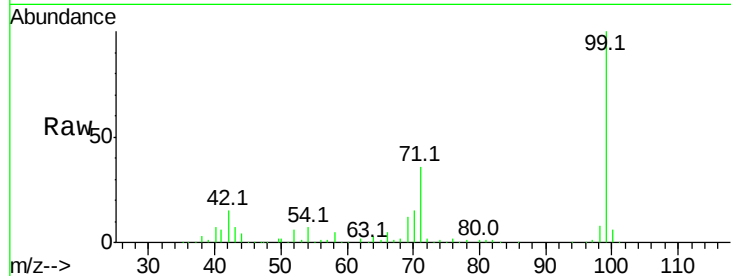
Tot Ion: 99 Resp: 302096

Ion Ratio Lower Upper

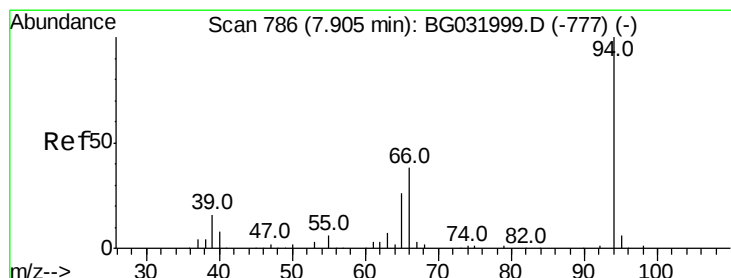
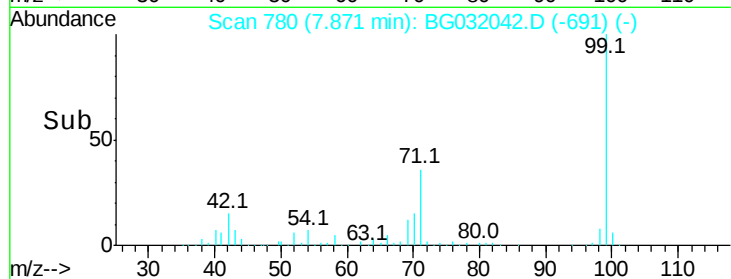
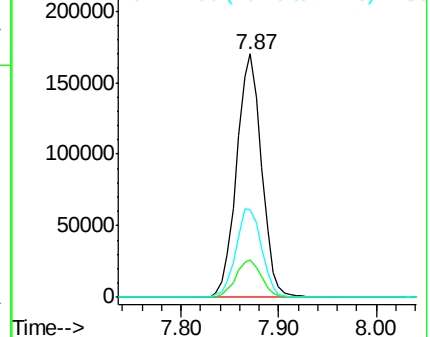
99 100

42 15.4 14.1 21.1

71 36.1 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: 2.423 ng

RT: 7.89 min Scan# 784

Delta R.T. -0.01 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

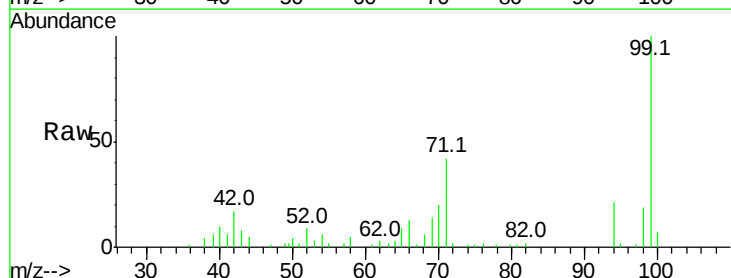
Tgt Ion: 94 Resp: 6961

Ion Ratio Lower Upper

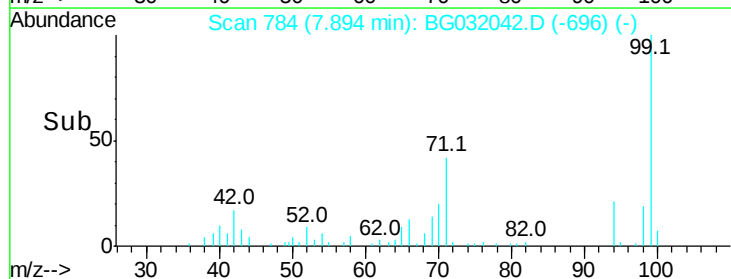
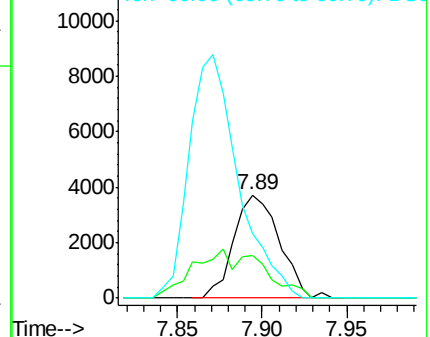
94 100

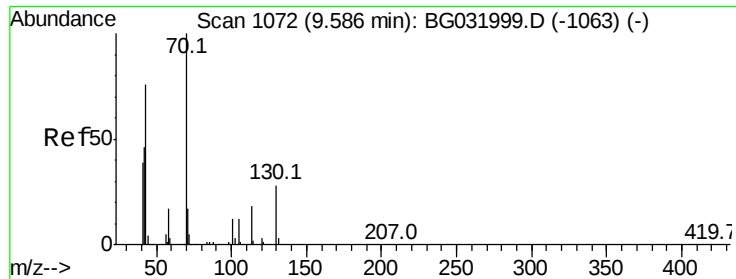
65 40.9 11.9 51.9

66 62.6 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

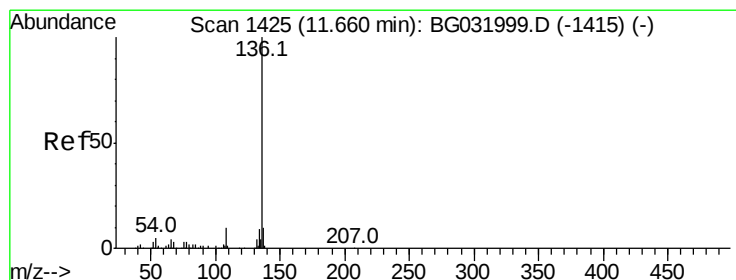
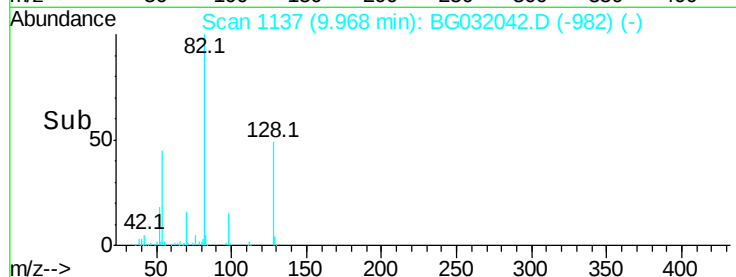
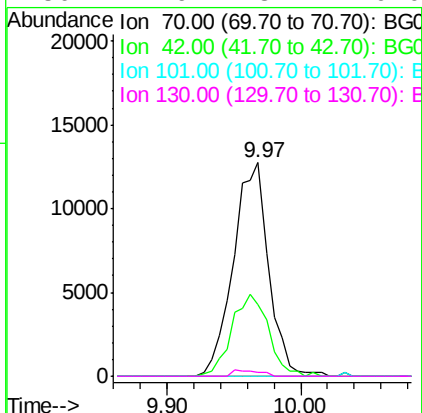
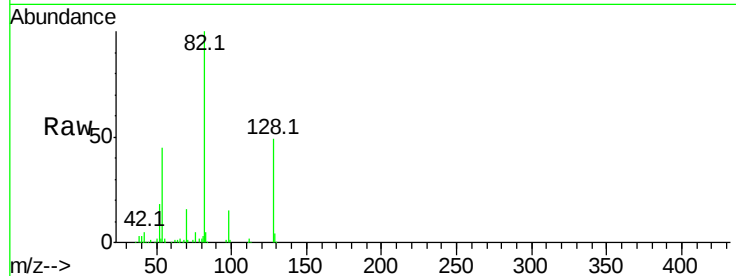




#19
n-Nitroso-di-n-propylamine
Concen: 12.902 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.38 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

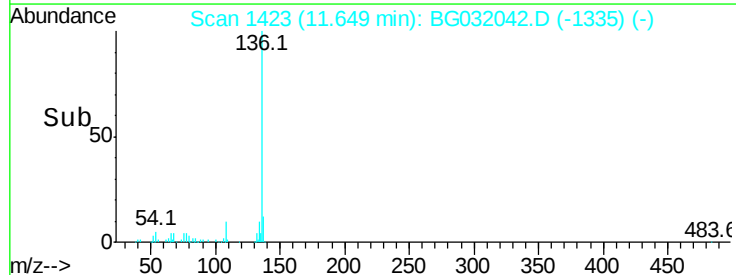
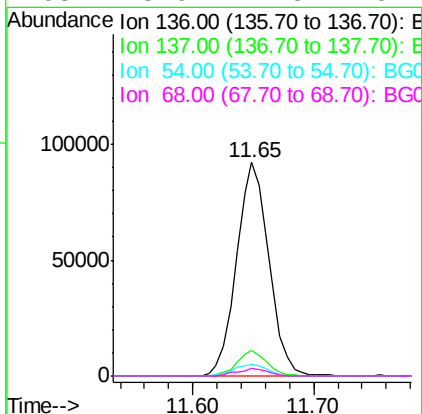
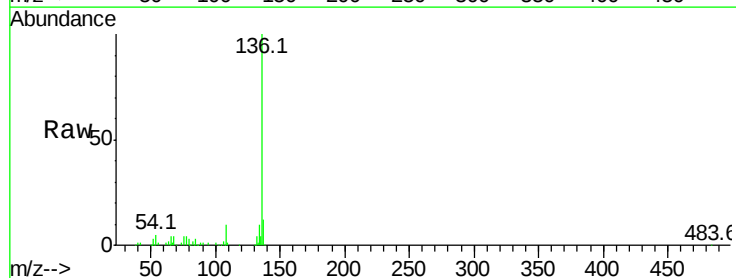
Instrument :
BNA_G
ClientSampleId :

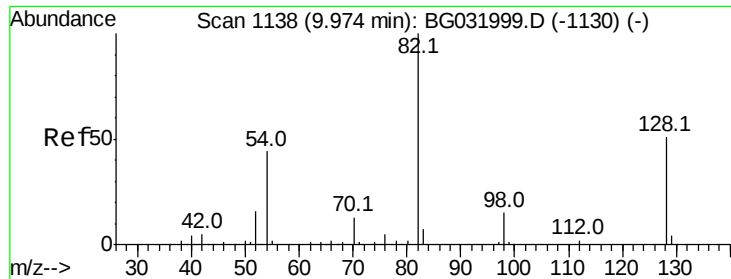
Tot Ion	Ratio	Lower	Upper
70	100		
42	33.7	49.1	73.7#
101	0.0	8.5	12.7#
130	1.6	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	5.4	10.3	15.5#
68	3.6	4.5	6.7#

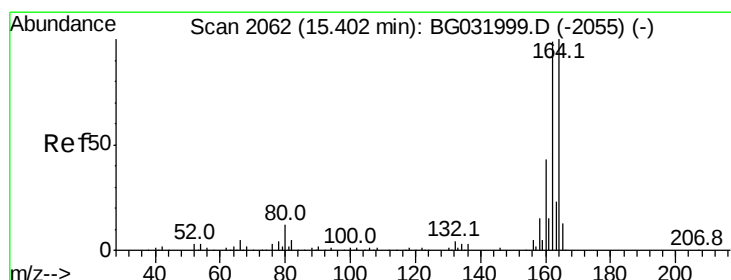
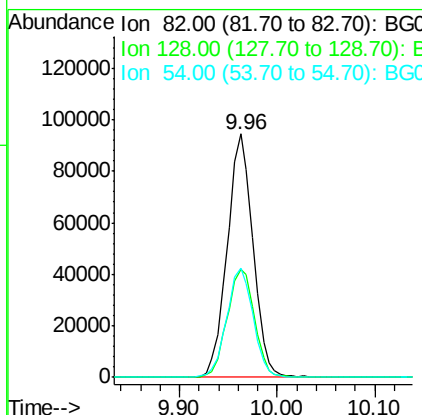
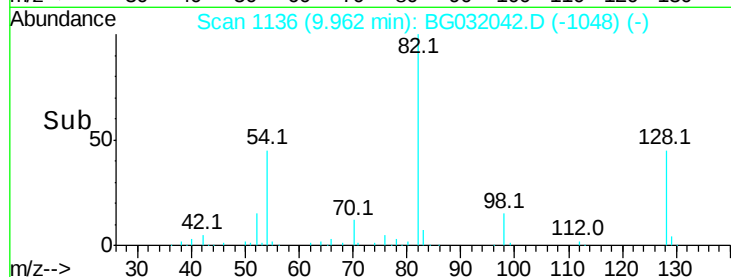
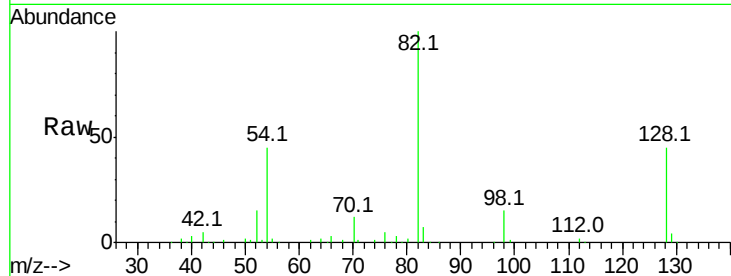




#23
 Nitrobenzene-d5
 Concen: 68.330 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032042.D
 Acq: 15 Jan 2018 21:22

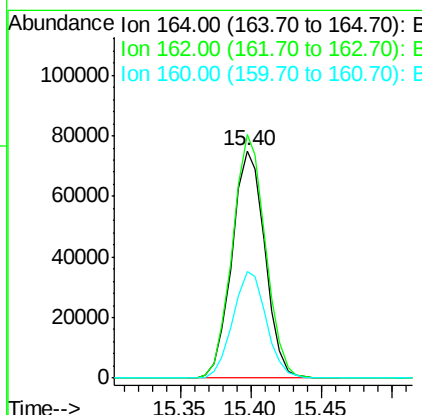
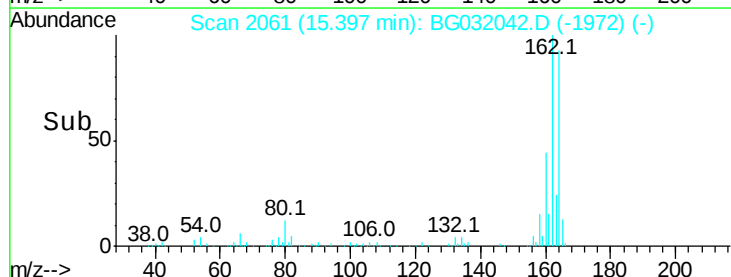
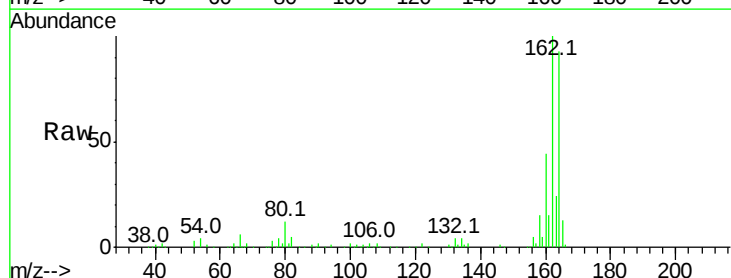
Instrument :
 BNA_G
 ClientSampleId :

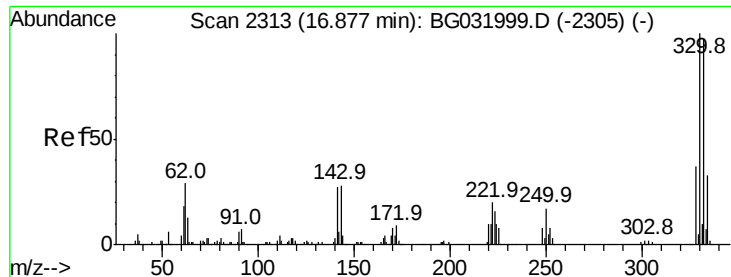
Tot Ion: 82 Resp: 173198
 Ion Ratio Lower Upper
 82 100
 128 44.6 29.7 44.5#
 54 44.7 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.01 min
 Lab File: BG032042.D
 Acq: 15 Jan 2018 21:22

Tgt Ion:164 Resp: 121912
 Ion Ratio Lower Upper
 164 100
 162 107.3 78.8 118.2
 160 46.9 35.4 53.0

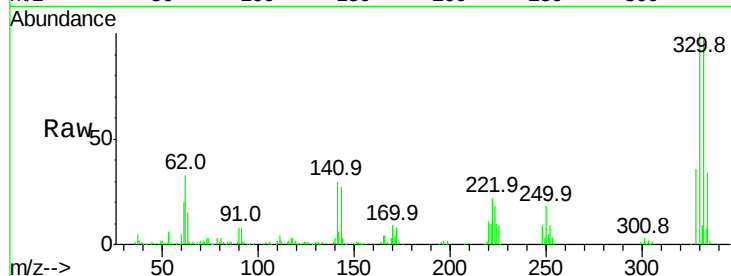




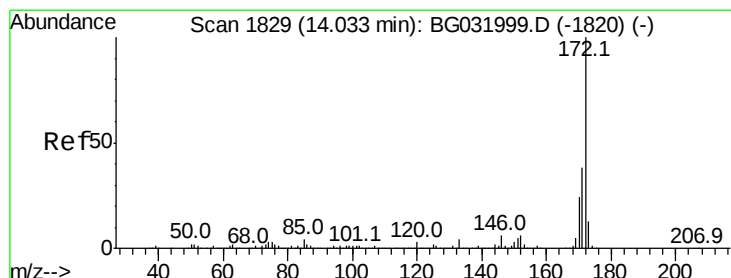
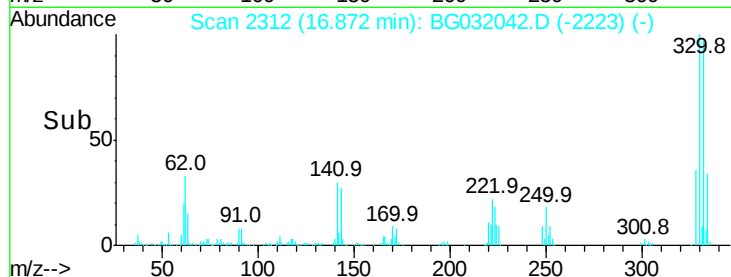
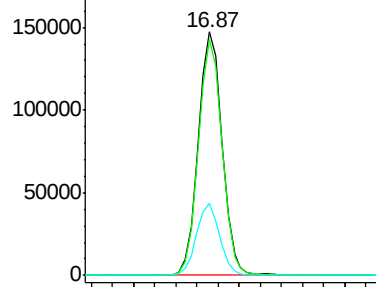
#41
 2,4,6-Tribromophenol
 Concen: 113.507 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032042.D
 Acq: 15 Jan 2018 21:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	29.0	25.2	37.8

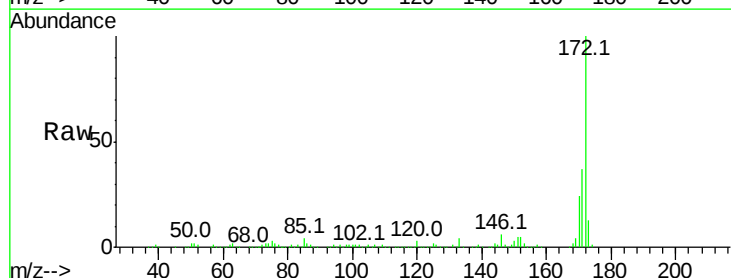


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

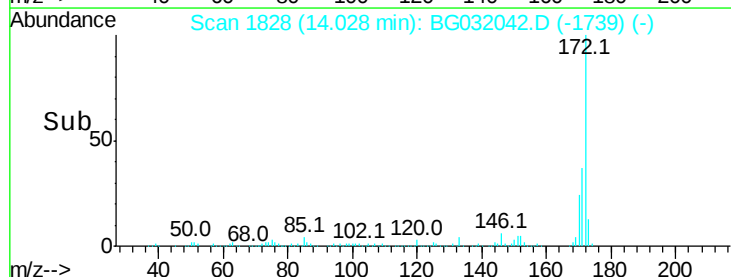
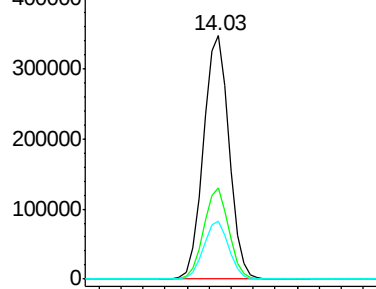


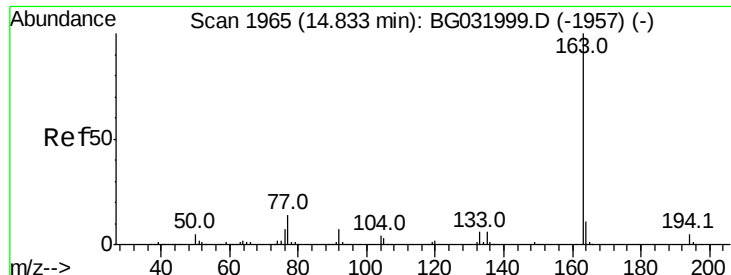
#44
 2-Fluorobiphenyl
 Concen: 57.738 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032042.D
 Acq: 15 Jan 2018 21:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.0	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: 4.371 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

Instrument :

BNA_G

ClientSampleId :

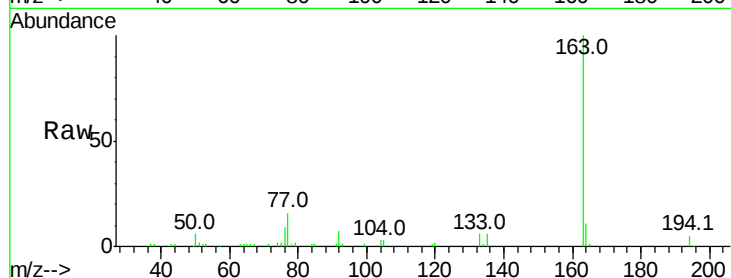
Tot Ion:163 Resp: 46633

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

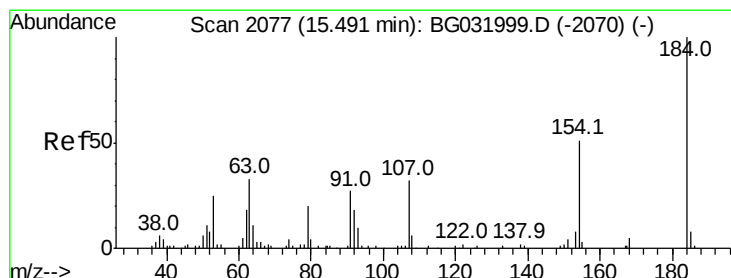
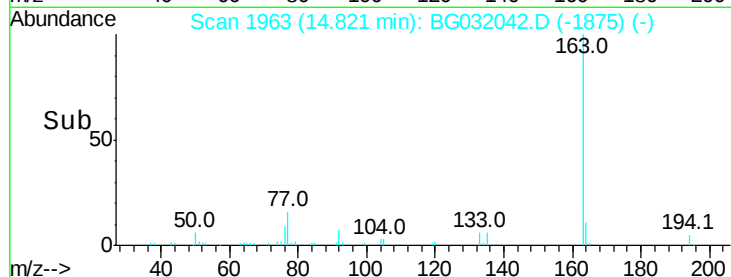
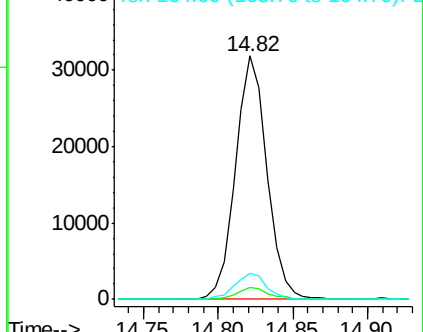
164 10.9 8.2 12.4



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: 15.64 min Scan# 2102

Delta R.T. 0.15 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

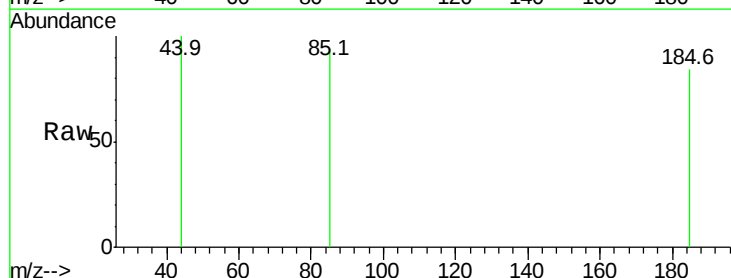
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

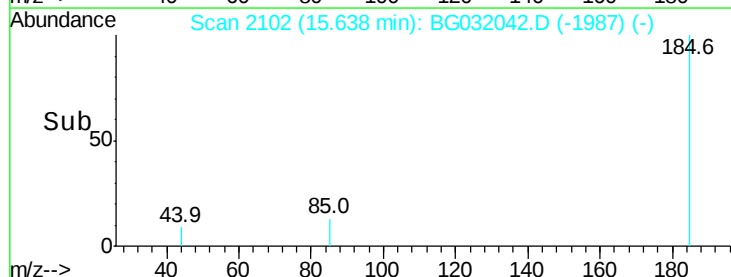
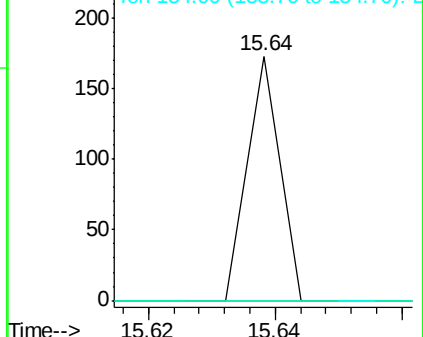
154 0.0 101.8 152.8#

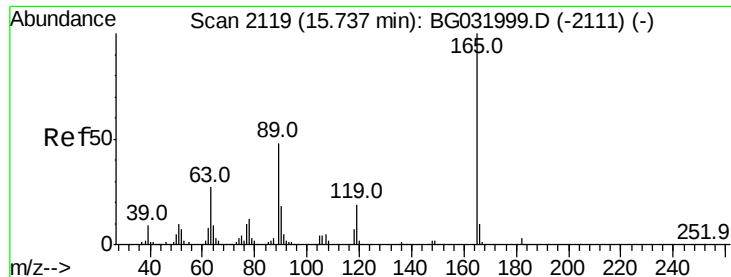


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

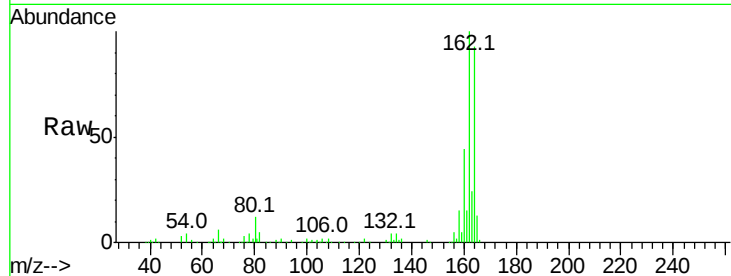




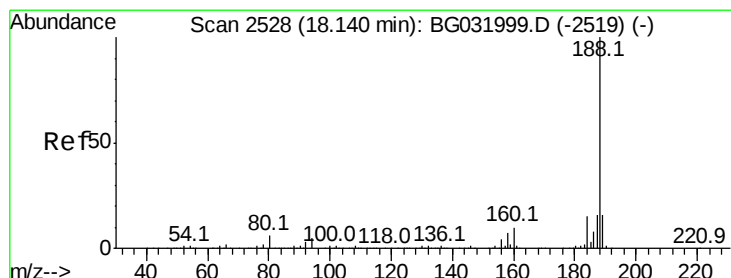
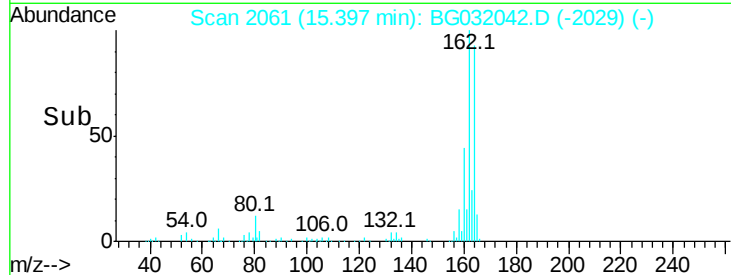
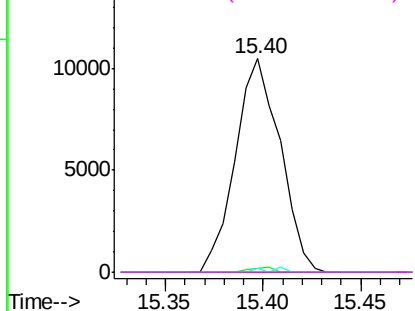
#56
2,4-Dinitrotoluene
Concen: 5.596 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16682
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 2.1 66.9 100.3#
182 0.0 2.6 3.8#

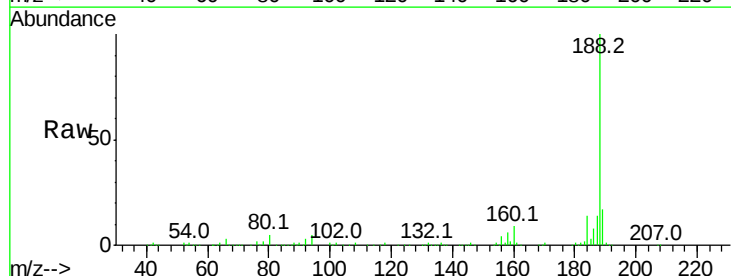


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

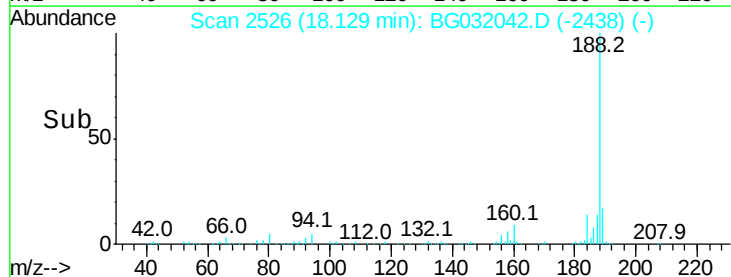
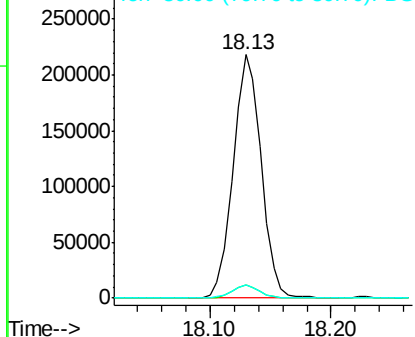


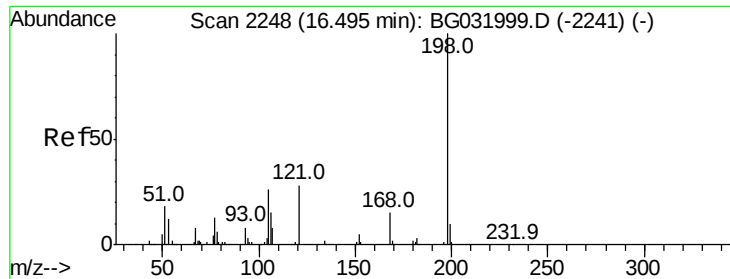
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032042.D
Acq: 15 Jan 2018 21:22

Tgt Ion:188 Resp: 351226
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 5.3 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: 5.062 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.38 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

Instrument :

BNA_G

ClientSampled :

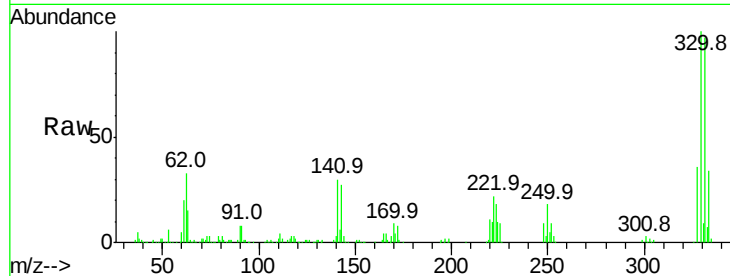
Tot Ion:198 Resp: 444

Ion Ratio Lower Upper

198 100

51 80.7 30.6 70.6#

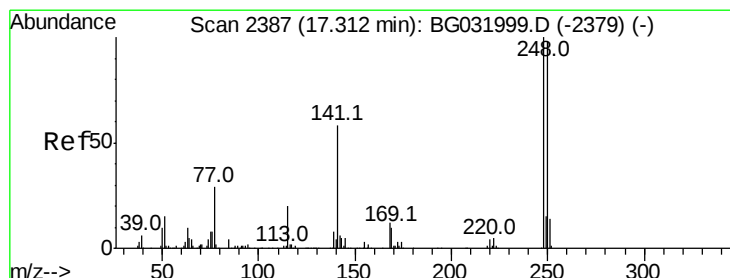
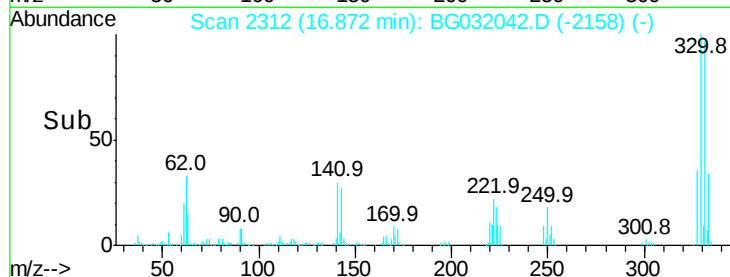
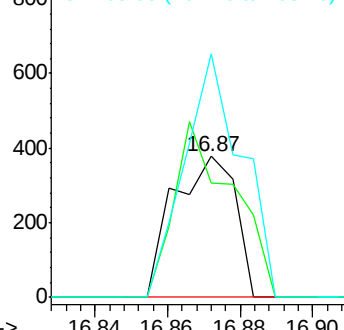
105 172.8 23.8 63.8#



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: 3.849 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.44 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

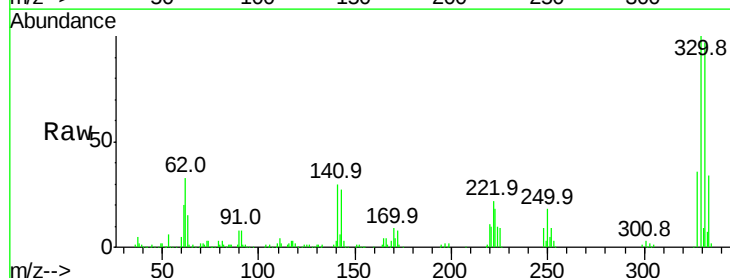
Tgt Ion:248 Resp: 19237

Ion Ratio Lower Upper

248 100

250 215.9 77.1 115.7#

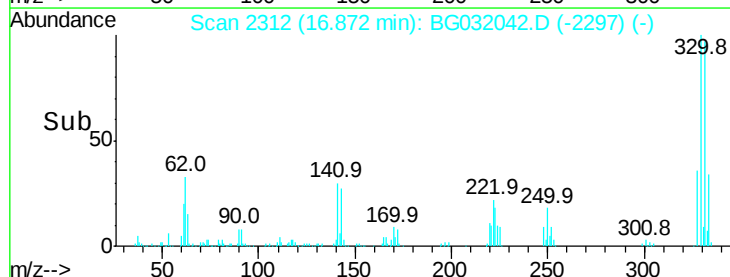
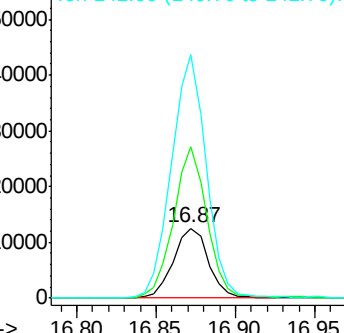
141 348.0 50.8 76.2#

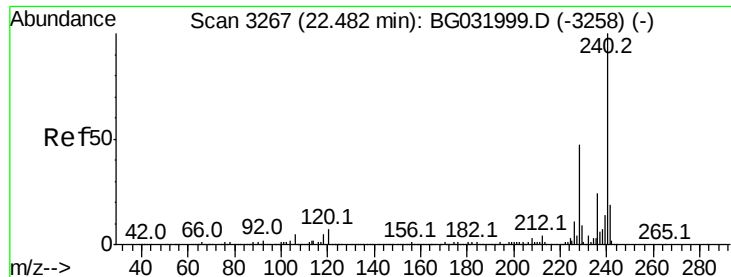


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG032042.D

Acq: 15 Jan 2018 21:22

Instrument :

BNA_G

ClientSampleId :

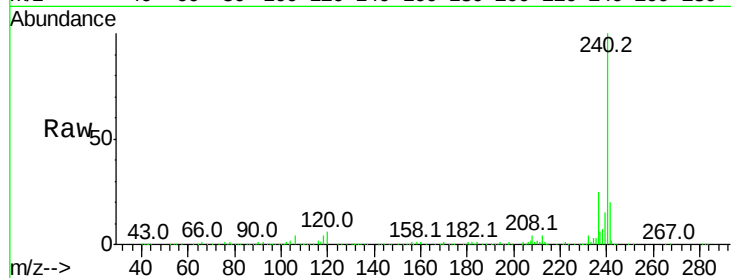
Tot Ion:240 Resp: 443759

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

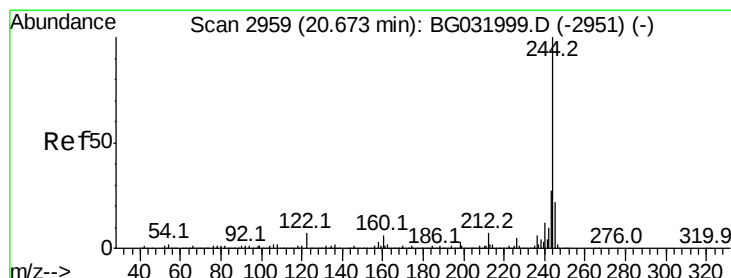
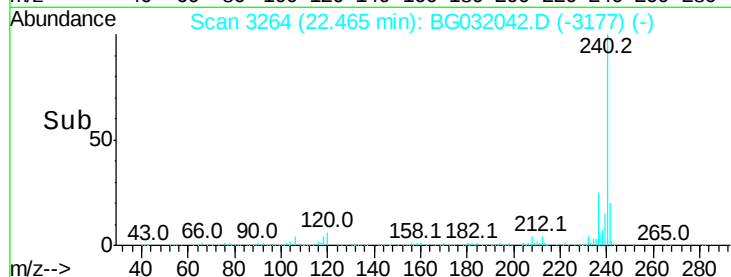
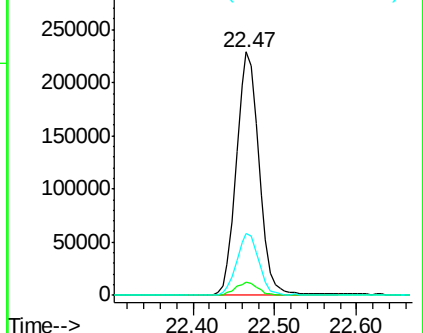
236 25.4 20.9 31.3



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: 58.687 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032042.D

Acq: 15 Jan 2018 21:22

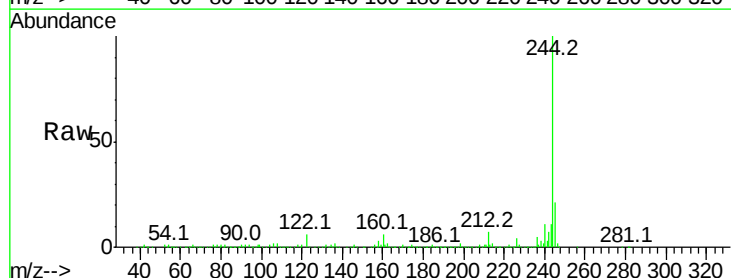
Tgt Ion:244 Resp: 1179449

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

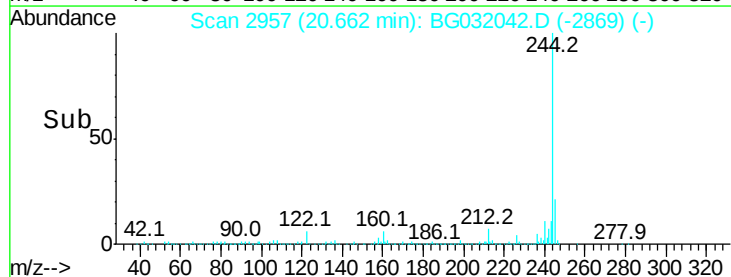
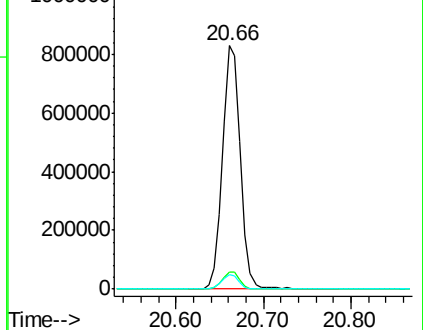
122 6.1 7.0 10.4#

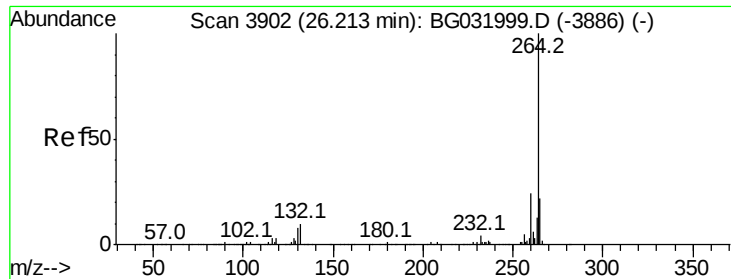


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

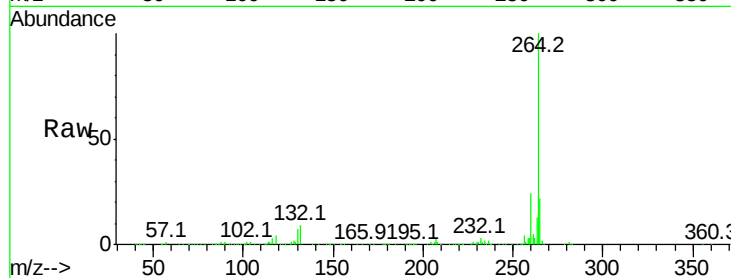




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3897
 Delta R.T. -0.03 min
 Lab File: BG032042.D
 Acq: 15 Jan 2018 21:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.4	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

