

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032230.D
 Acq On : 23 Jan 2018 14:06
 Operator : SJ/JU
 Sample : J1239-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:55:29 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	45590	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	196064	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	137974	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	341518	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	444333	20.00	ng	-0.02
86) Perylene-d12	26.12	264	468601	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	310597	124.60	ng	0.00
7) Phenol-d6	7.84	99	370130	117.90	ng	0.00
23) Nitrobenzene-d5	9.92	82	270676	93.40	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	317494	139.06	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	941774	84.64	ng	-0.02
78) Terphenyl-d14	20.63	244	1764745	87.70	ng	-0.02

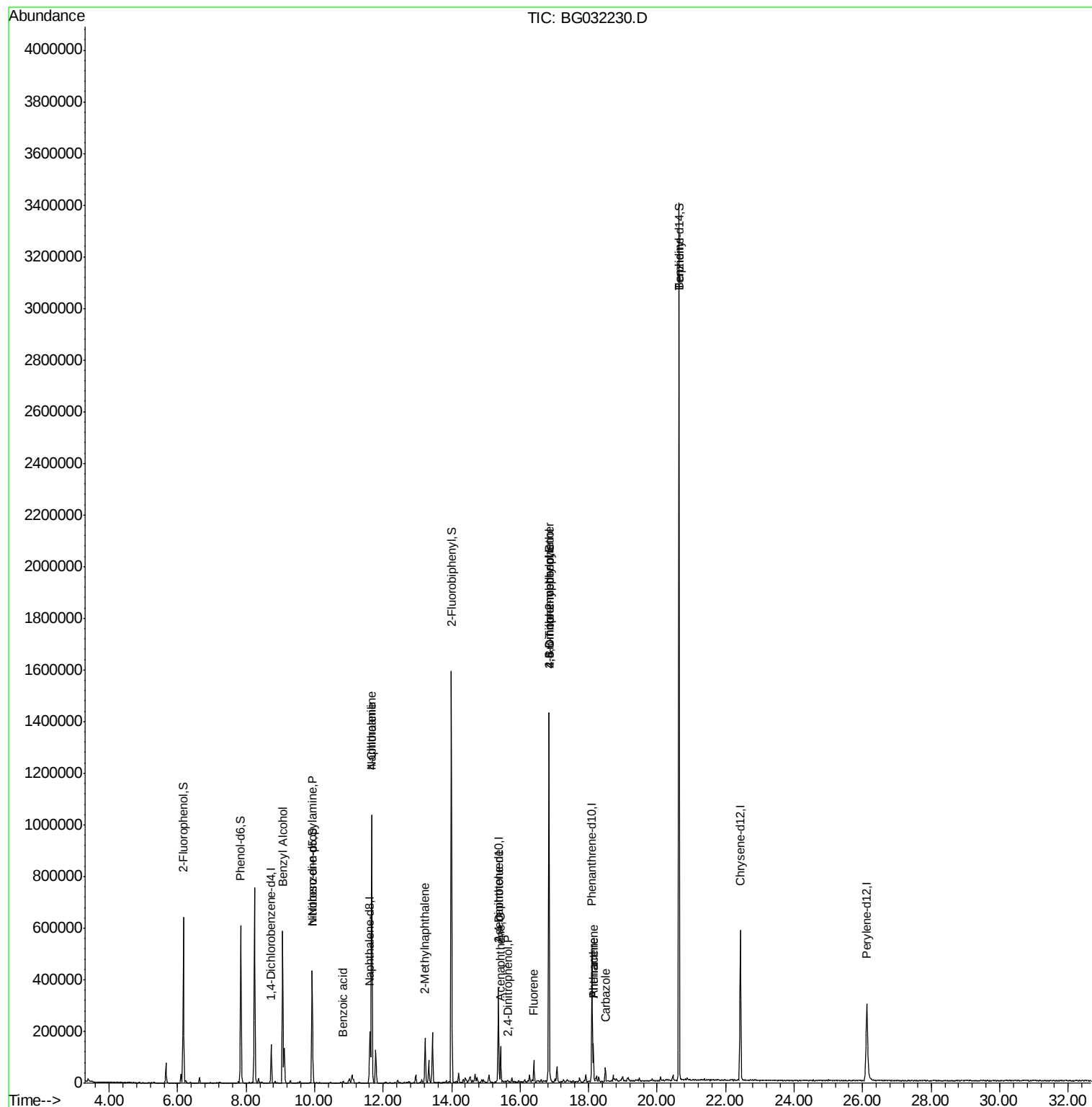
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.06	79	4732	2.075	ng	# 24
19) n-Nitroso-di-n-propylamine	9.92	70	38566	19.799	ng	# 70
31) Naphthalene	11.66	128	966397	99.500	ng	99
32) Benzoic acid	10.82	122	190	5.334	ng	# 50
33) 4-Chloroaniline	11.66	127	138644	33.288	ng	# 33
37) 2-Methylnaphthalene	13.23	142	83115	10.779	ng	93
51) Acenaphthene	15.43	154	58887	6.356	ng	99
53) 2,4-Dinitrophenol	15.63	184	55	7.004	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	17850	5.290	ng	# 20
57) Fluorene	16.40	166	39039	3.444	ng	95
64) 4,6-Dinitro-2-methylphenol	16.84	198	1017	5.302	ng	# 18
66) 4-Bromophenyl-phenylether	16.84	248	27364	5.631	ng	# 1
70) Phenanthrene	18.14	178	94123	4.950	ng	98
71) Anthracene	18.14	178	94123	4.963	ng	97
72) Carbazole	18.49	167	40659	2.471	ng	97
76) Benzidine	20.63	184	25464	2.292	ng	# 95

(#) = 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: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

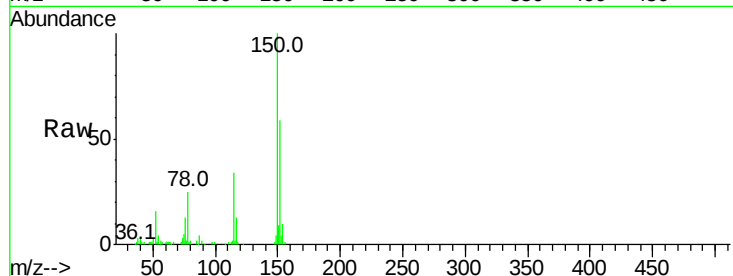
Tot Ion:152 Resp: 45590

Ion Ratio Lower Upper

152 100

150 168.5 126.6 189.8

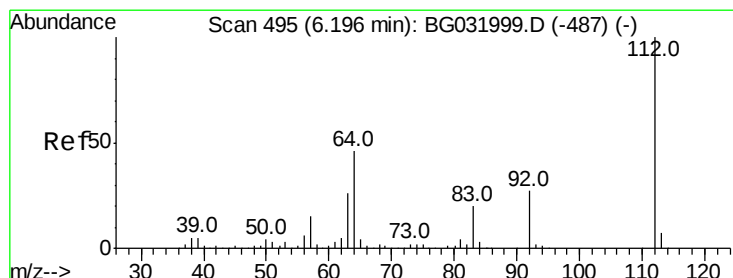
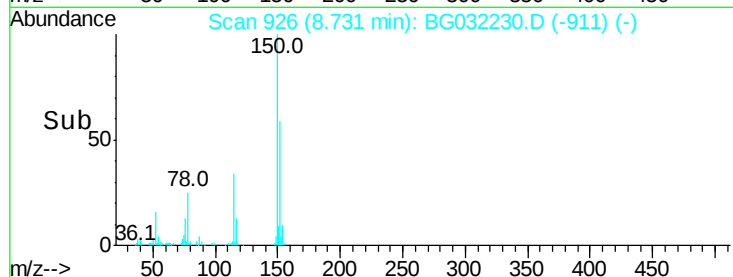
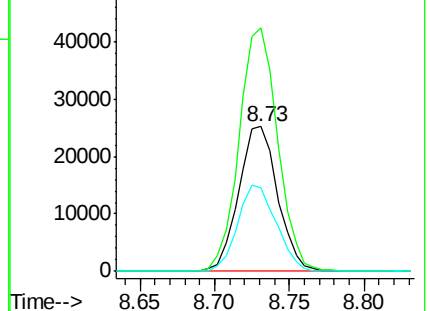
115 58.1 53.0 79.4



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: 124.602 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

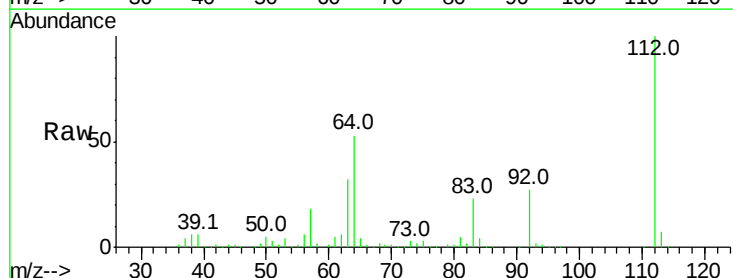
Tgt Ion:112 Resp: 310597

Ion Ratio Lower Upper

112 100

64 52.7 56.3 84.5#

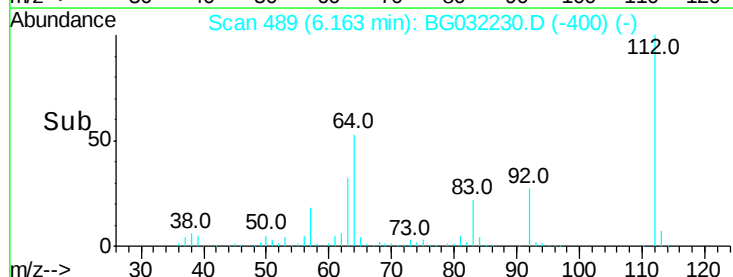
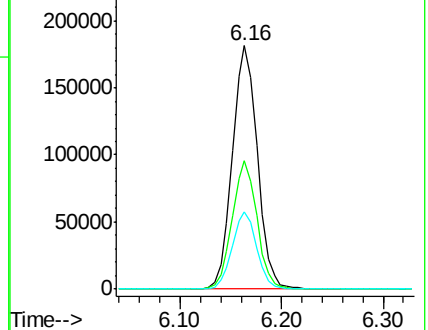
63 31.8 30.1 45.1

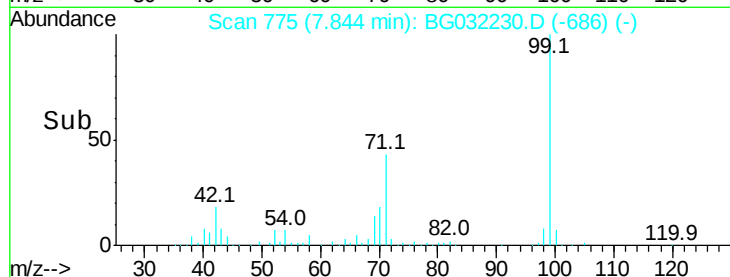
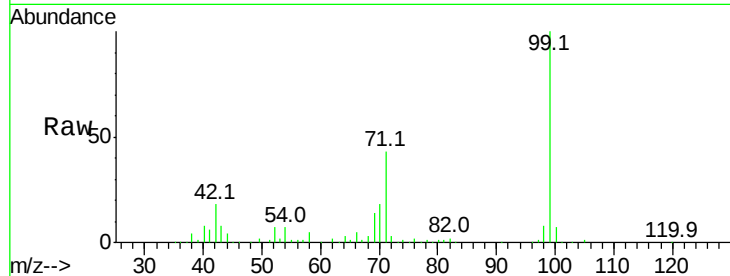
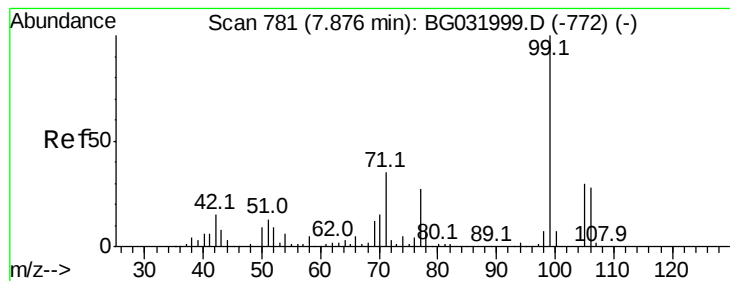


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.898 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

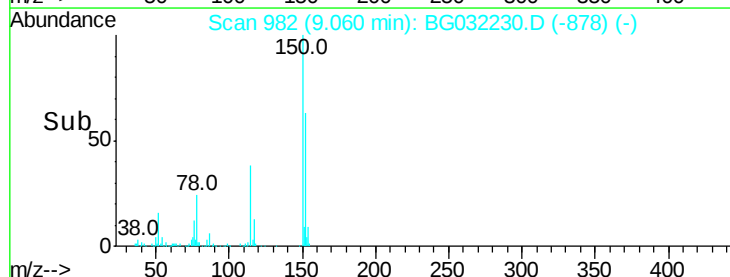
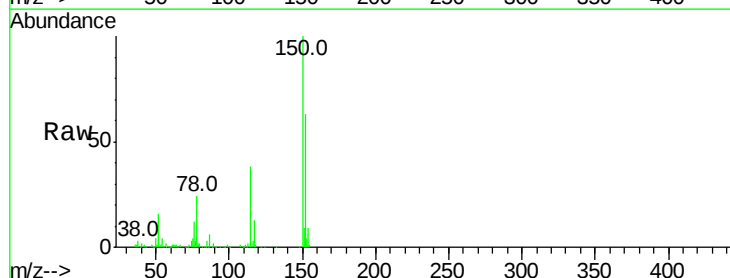
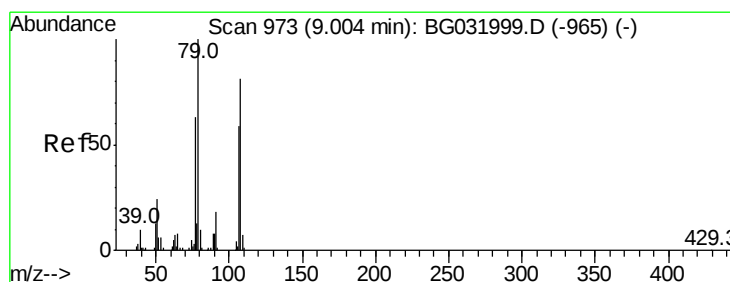
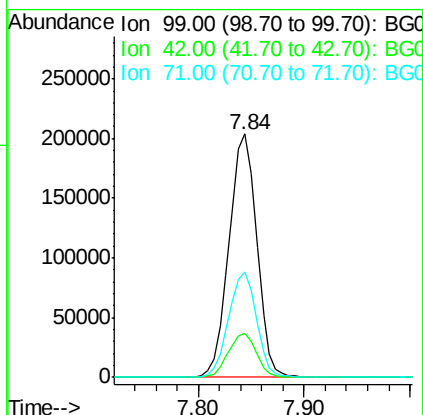
Tot Ion: 99 Resp: 370130

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

71 43.4 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.075 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.08 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

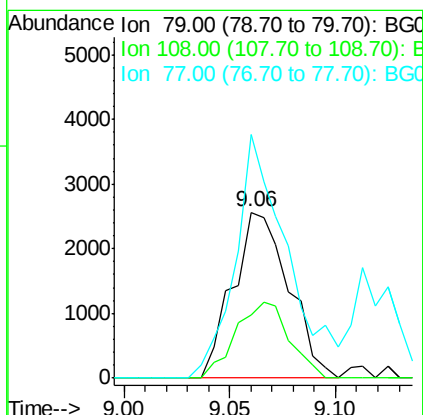
Tgt Ion: 79 Resp: 4732

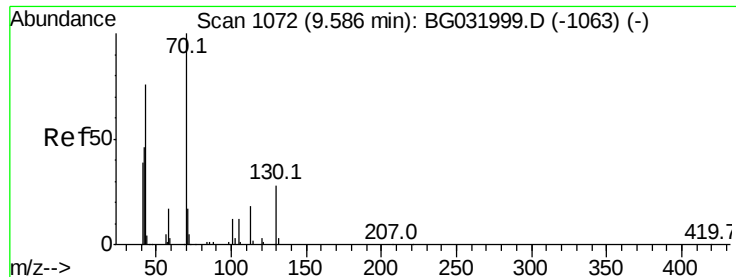
Ion Ratio Lower Upper

79 100

108 38.3 57.2 85.8#

77 146.6 46.1 69.1#





#19

n-Nitroso-di-n-propylamine

Concen: 19.799 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.36 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 38566

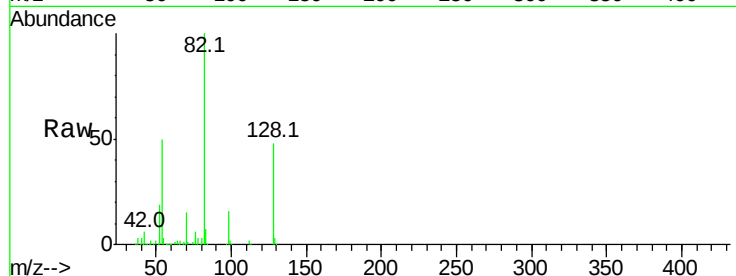
Ion Ratio Lower Upper

70 100

42 39.6 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

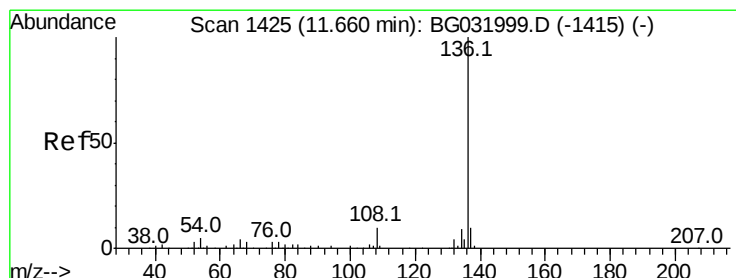
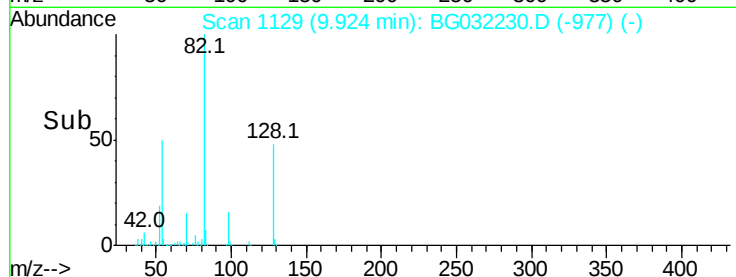
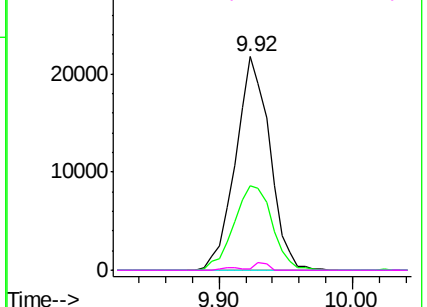


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.61 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Tgt Ion: 136 Resp: 196064

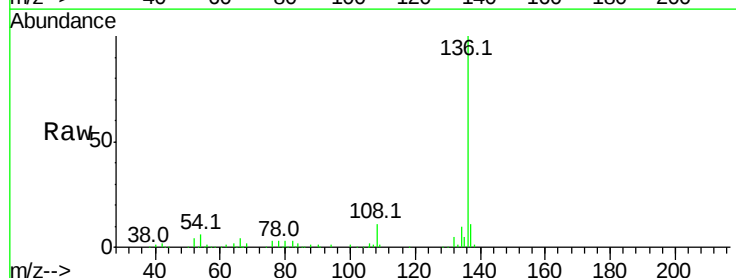
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 5.8 10.3 15.5#

68 2.0 4.5 6.7#

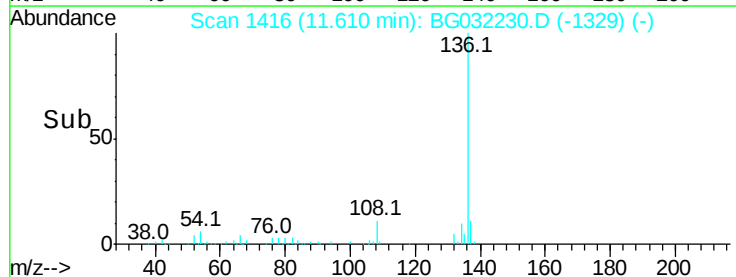
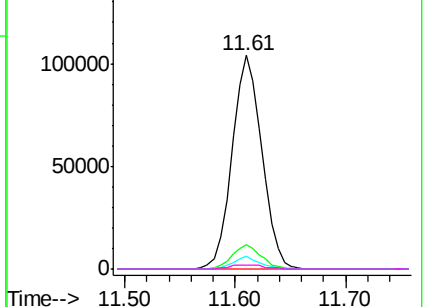


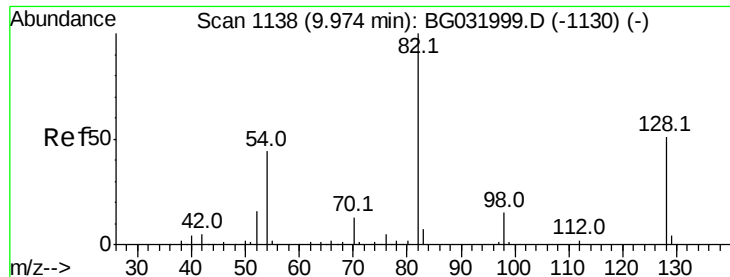
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

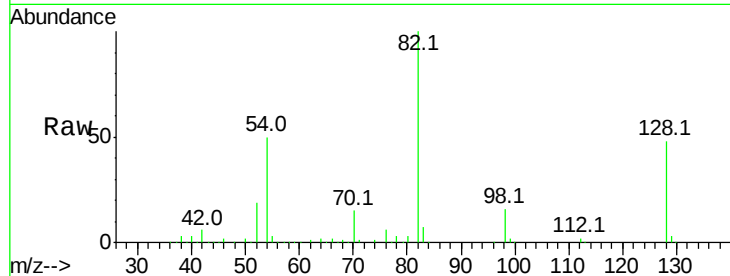




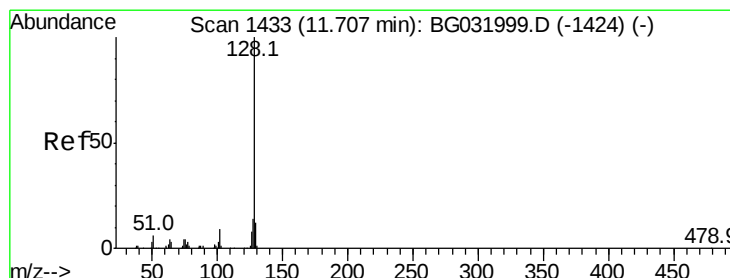
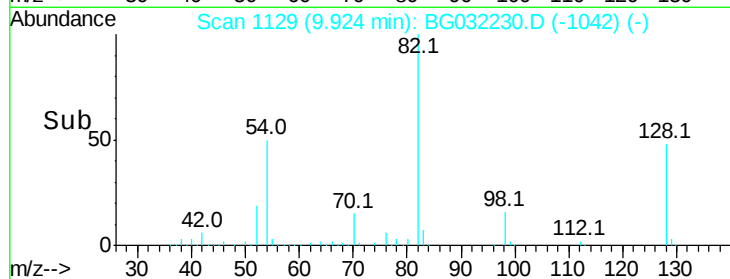
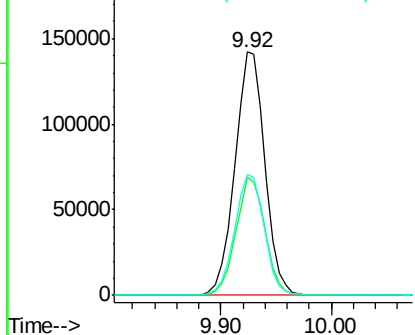
#23
 Nitrobenzene-d5
 Concen: 93.400 ng
 RT: 9.92 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 270676
 Ion Ratio Lower Upper
 82 100
 128 48.3 29.7 44.5#
 54 49.5 43.1 64.7

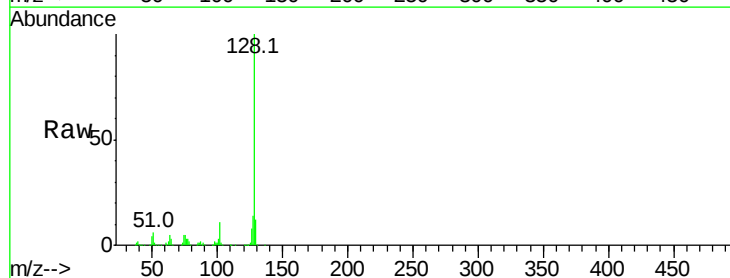


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

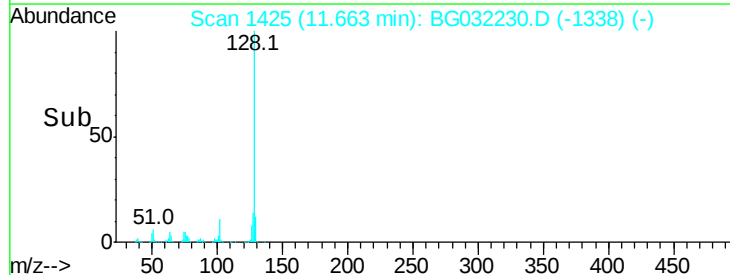
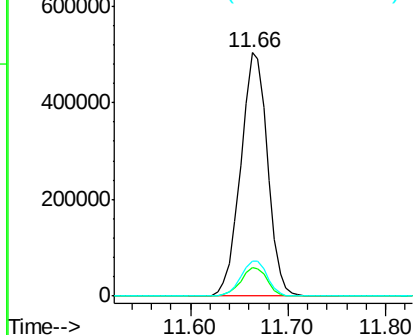


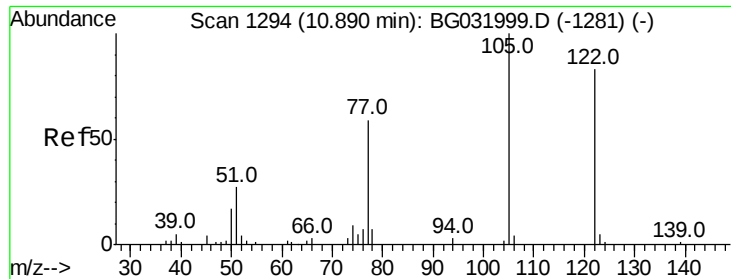
#31
 Naphthalene
 Concen: 99.500 ng
 RT: 11.66 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Tgt Ion: 128 Resp: 966397
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.6 12.8
 127 14.4 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC

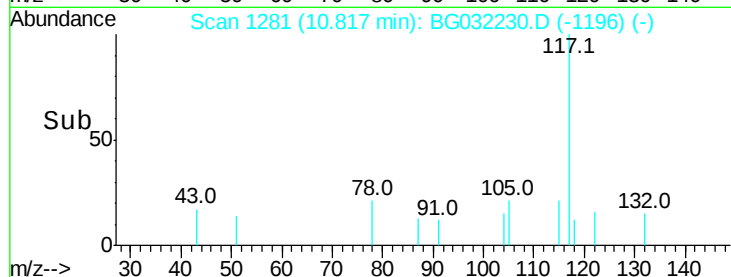
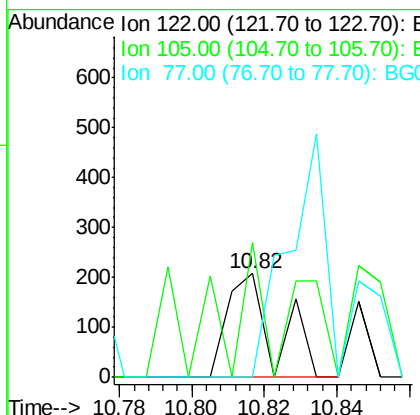
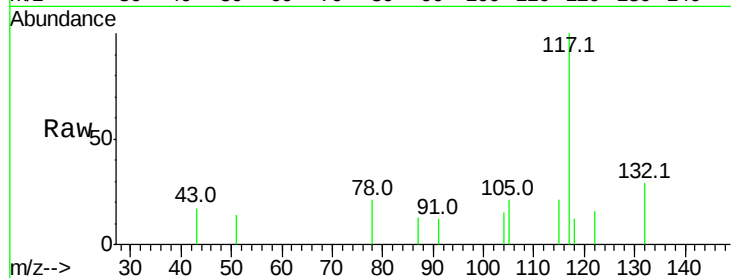




#32
Benzoic acid
Concen: 5.334 ng
RT: 10.82 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

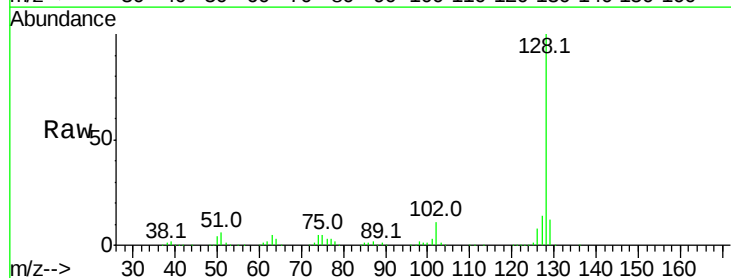
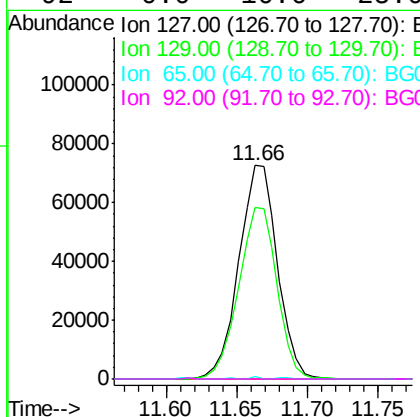
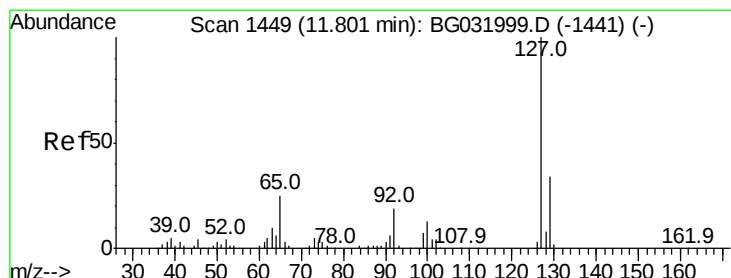
Instrument :
BNA_G
ClientSampleId :

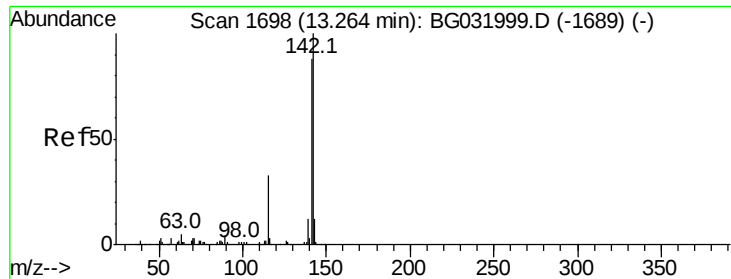
Tot Ion:122 Resp: 190
Ion Ratio Lower Upper
122 100
105 129.8 123.5 163.5
77 0.0 85.7 125.7#



#33
4-Chloroaniline
Concen: 33.288 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.11 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Tgt Ion:127 Resp: 138644
Ion Ratio Lower Upper
127 100
129 80.3 24.0 36.0#
65 1.3 27.0 40.4#
92 0.0 16.6 25.0#

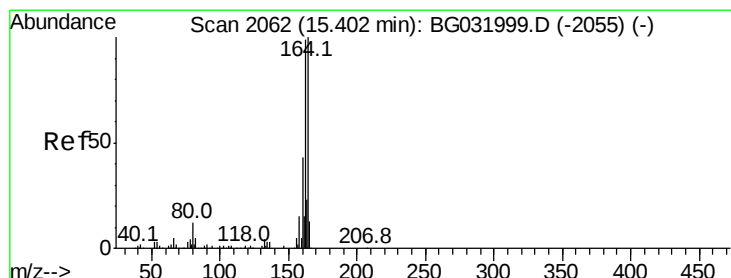
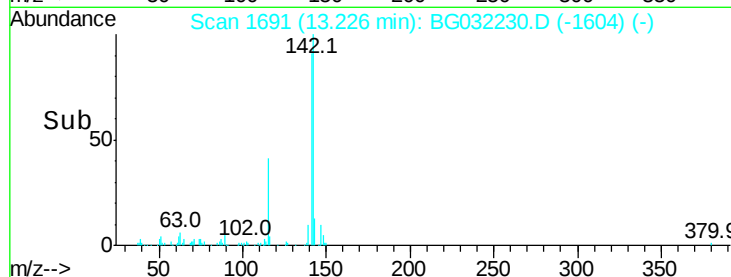
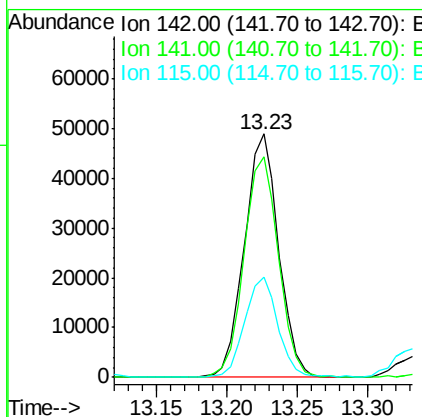
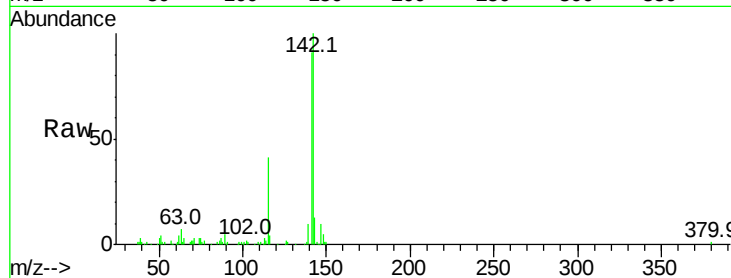




#37
2-Methylnaphthalene
Concen: 10.779 ng
RT: 13.23 min Scan# 1691
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

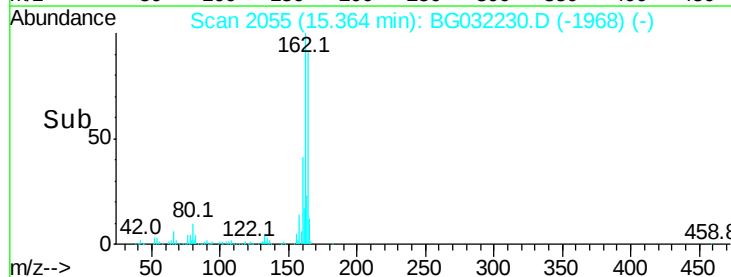
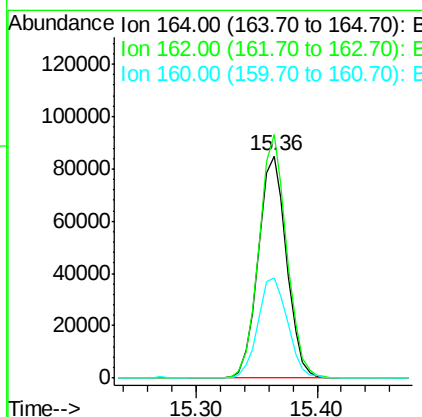
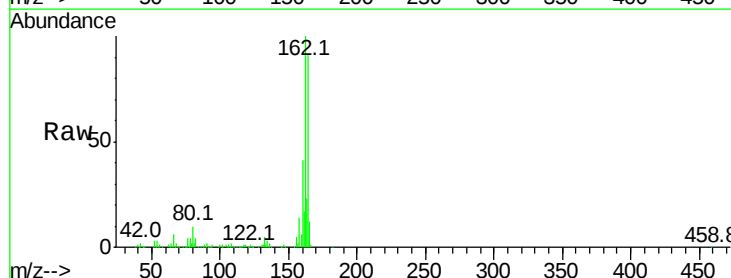
Instrument :
BNA_G
ClientSampleId :

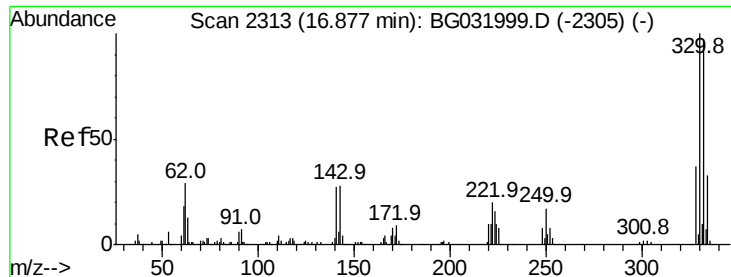
Tot Ion:142 Resp: 83115
Ion Ratio Lower Upper
142 100
141 90.7 67.1 100.7
115 41.0 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Tgt Ion:164 Resp: 137974
Ion Ratio Lower Upper
164 100
162 109.7 78.8 118.2
160 45.0 35.4 53.0

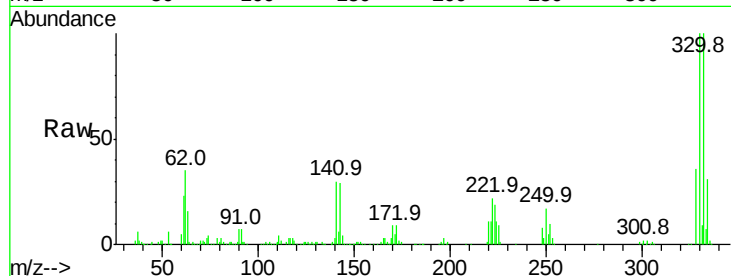




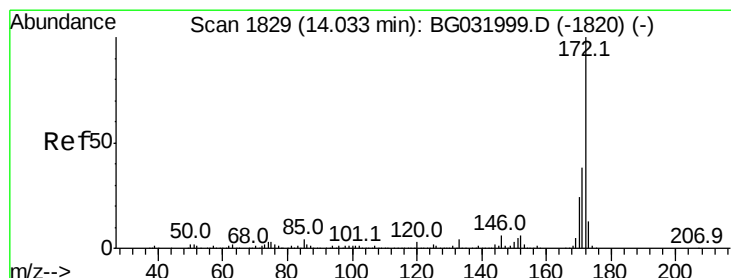
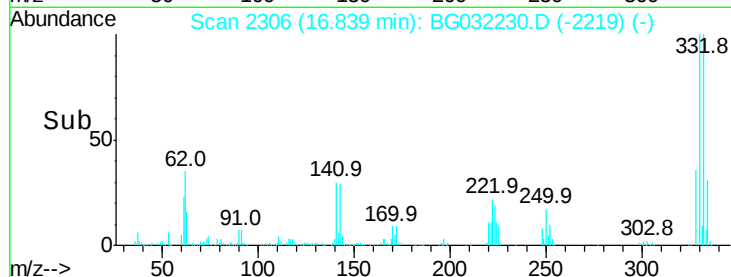
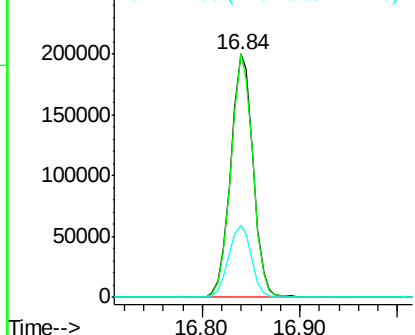
#41
 2,4,6-Tribromophenol
 Concen: 139.060 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 317494
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 30.2 25.2 37.8

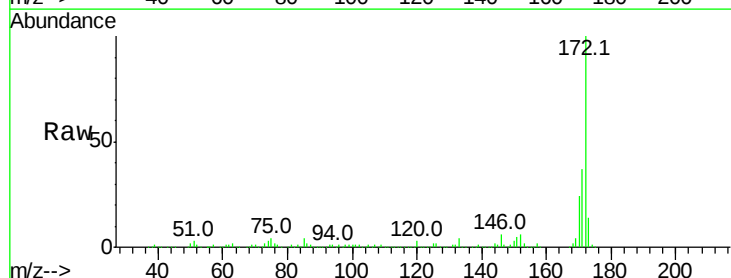


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

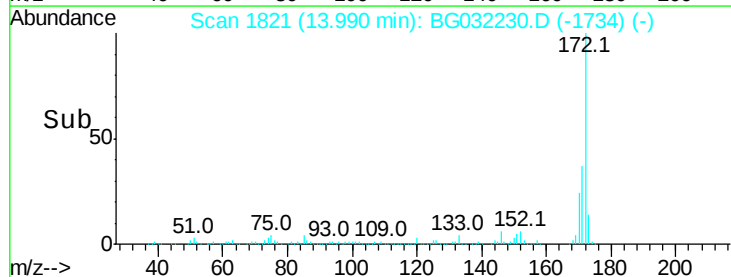
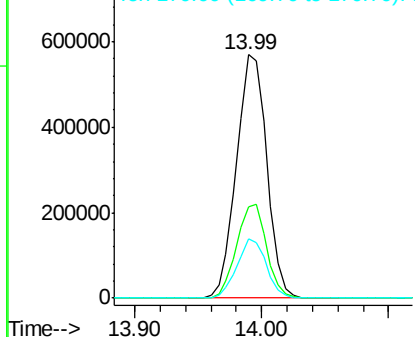


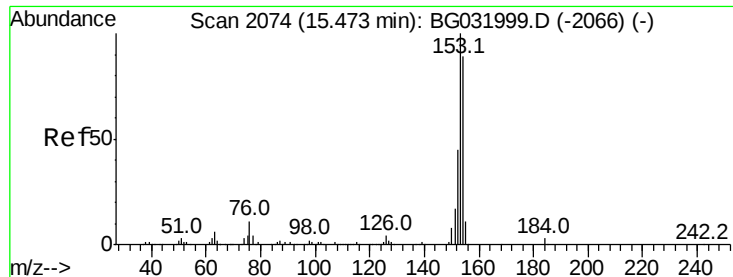
#44
 2-Fluorobiphenyl
 Concen: 84.636 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Tgt Ion:172 Resp: 941774
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 24.2 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





#51

Acenaphthene

Concen: 6.356 ng

RT: 15.43 min Scan# 2066

Delta R.T. -0.02 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

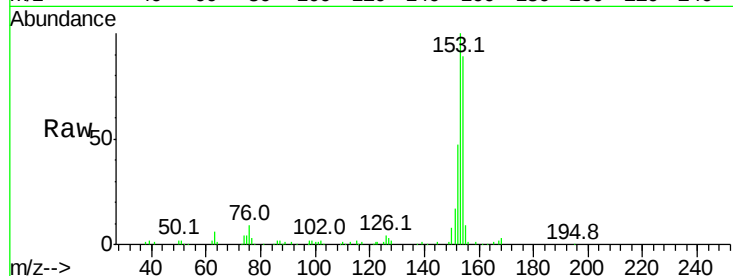
Tot Ion:154 Resp: 58887

Ion Ratio Lower Upper

154 100

153 112.1 90.4 135.6

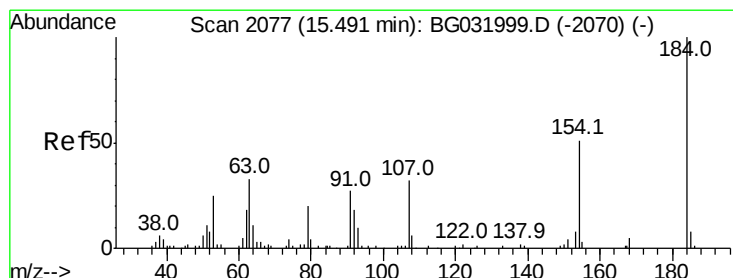
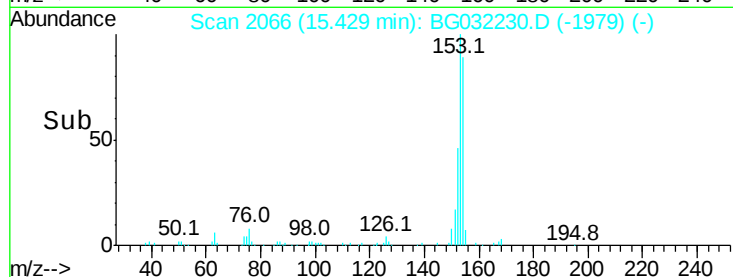
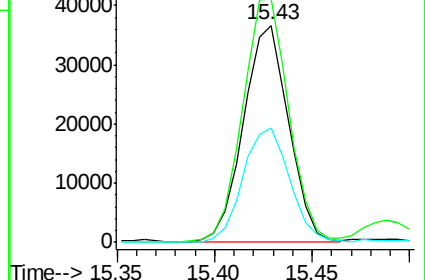
152 52.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.004 ng

RT: 15.63 min Scan# 2101

Delta R.T. 0.17 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

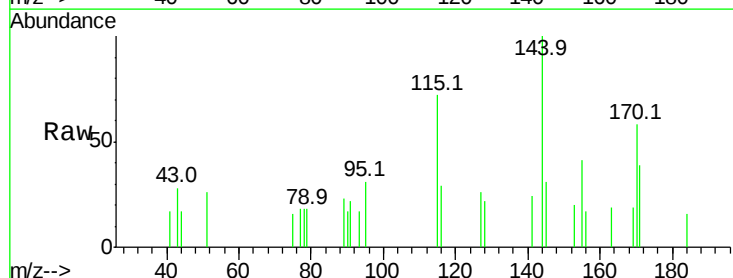
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

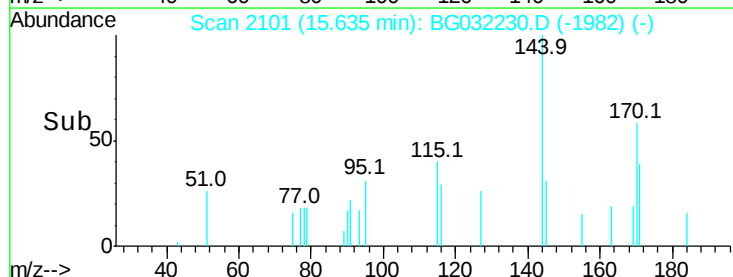
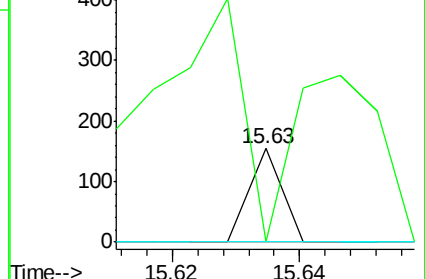
154 0.0 101.8 152.8#

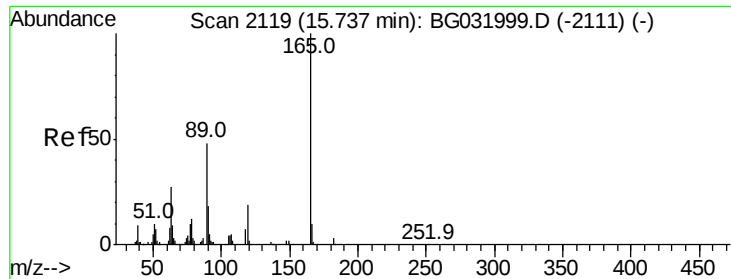


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

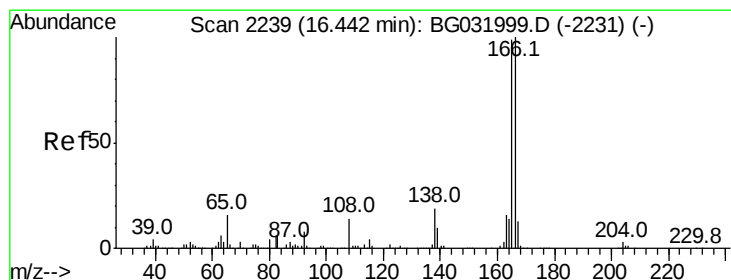
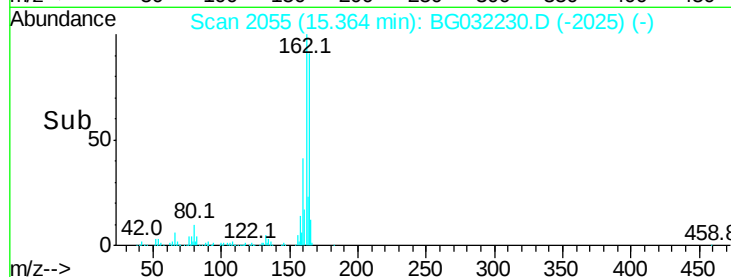
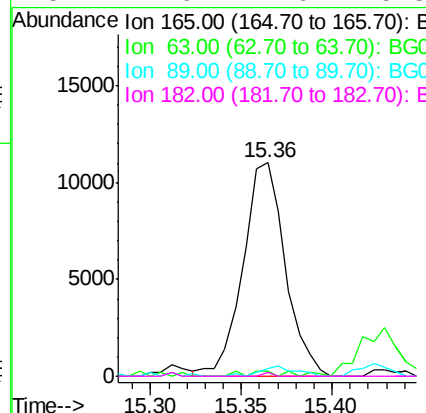
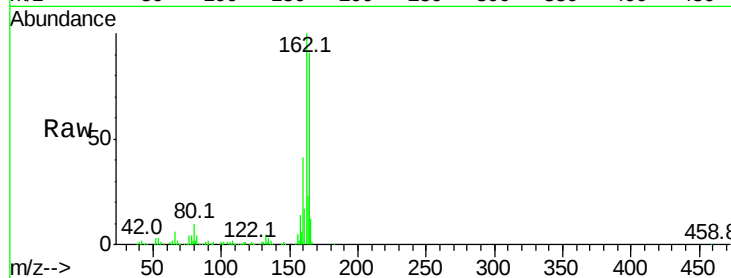




#56
2,4-Dinitrotoluene
Concen: 5.290 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.35 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

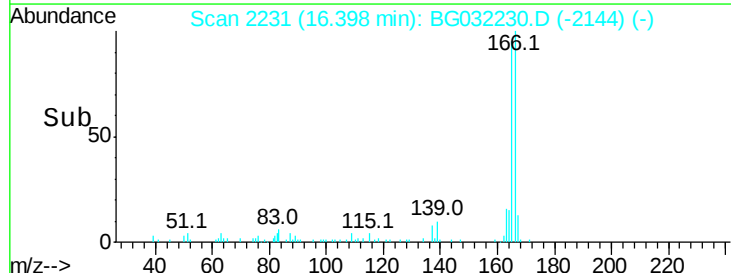
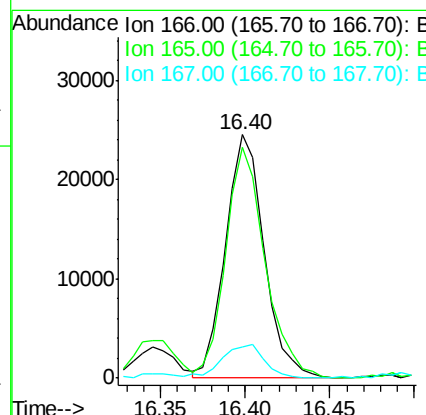
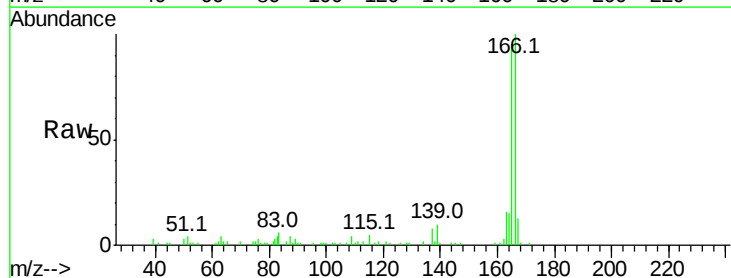
Instrument :
BNA_G
ClientSampleId :

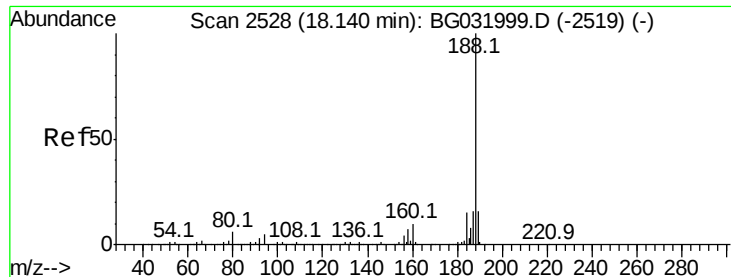
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	3.7	66.9	100.3#
182	1.6	2.6	3.8#



#57
Fluorene
Concen: 3.444 ng
RT: 16.40 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.7	80.6	121.0
167	12.6	10.4	15.6

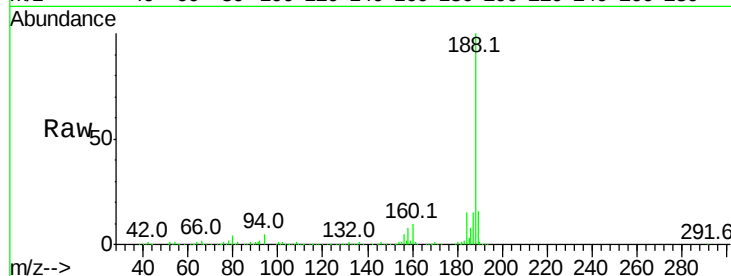




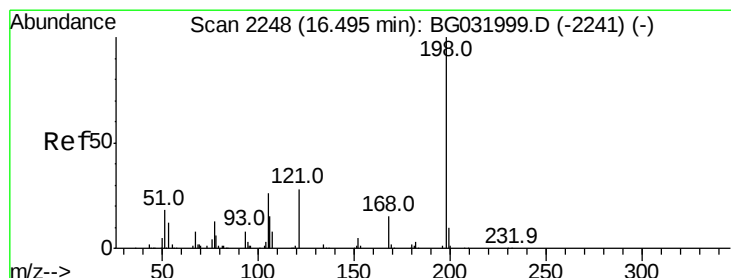
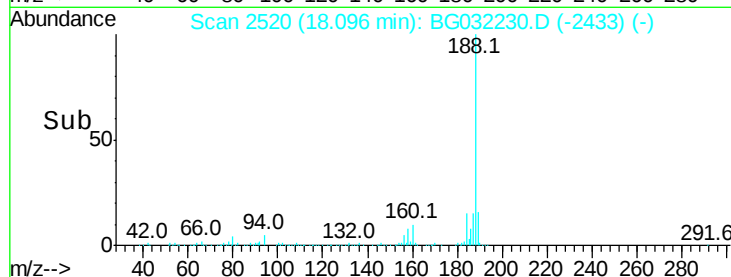
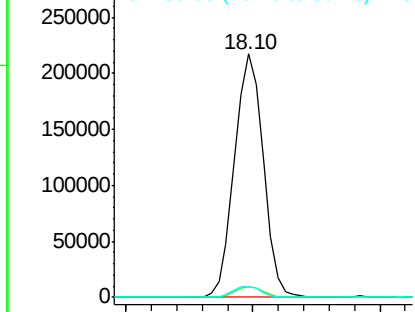
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.10 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:188 Resp: 341518
 Ion Ratio Lower Upper
 188 100
 94 4.6 6.9 10.3#
 80 4.4 7.7 11.5#

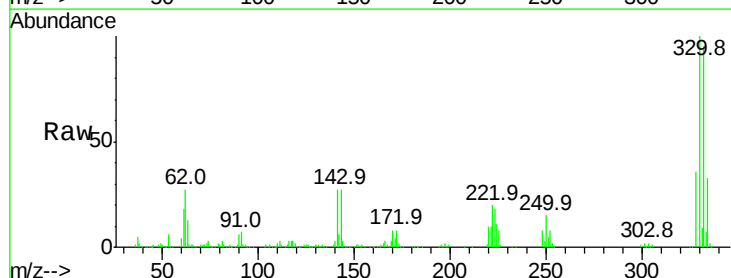


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

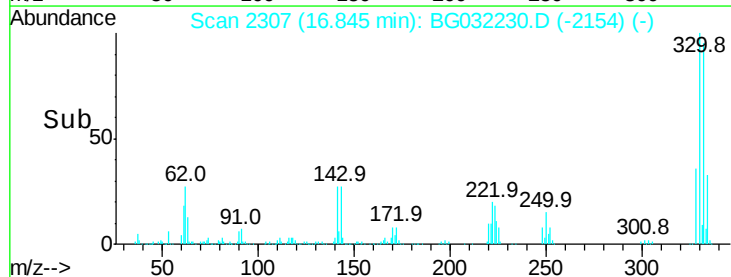
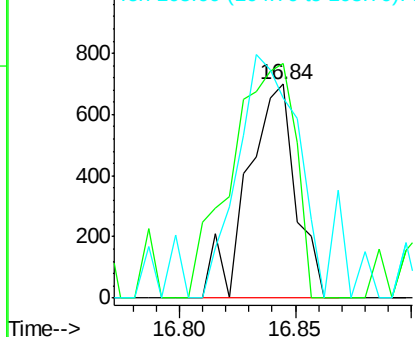


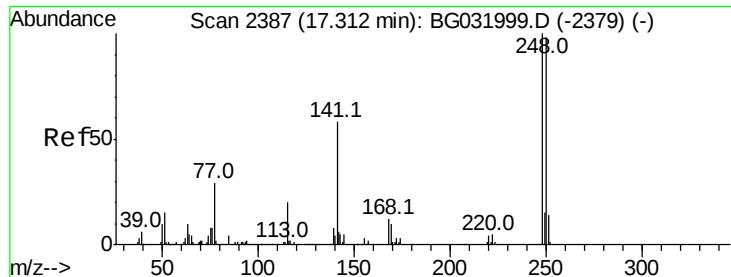
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.302 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. 0.37 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Tgt Ion:198 Resp: 1017
 Ion Ratio Lower Upper
 198 100
 51 110.0 30.6 70.6#
 105 94.0 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

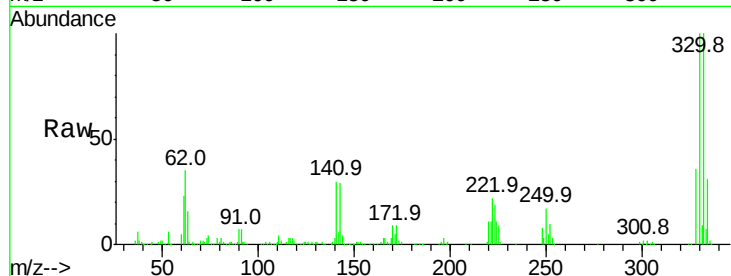




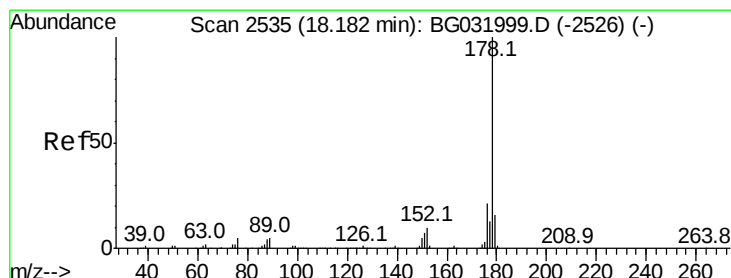
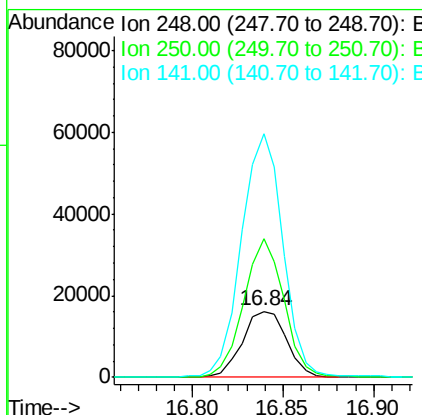
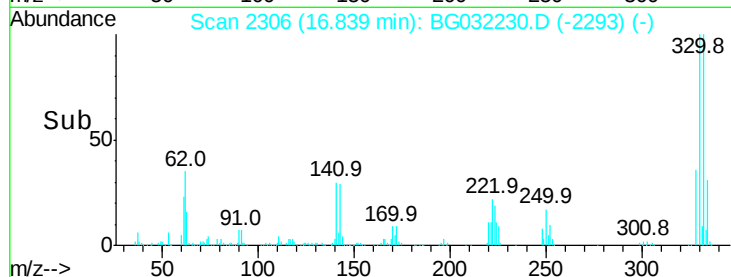
#66
4-Bromophenyl-phenylether
Concen: 5.631 ng
RT: 16.84 min Scan# 2306
Delta R.T. -0.45 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 27364
Ion Ratio Lower Upper
248 100
250 210.0 77.1 115.7#
141 368.0 50.8 76.2#

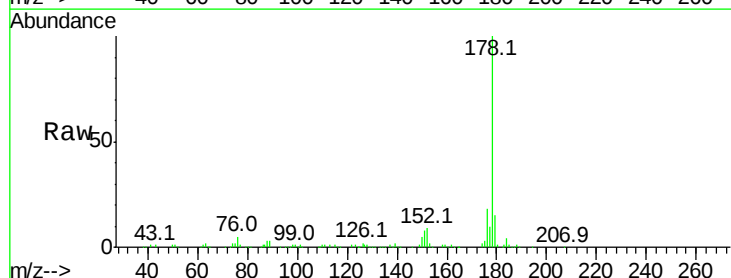


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

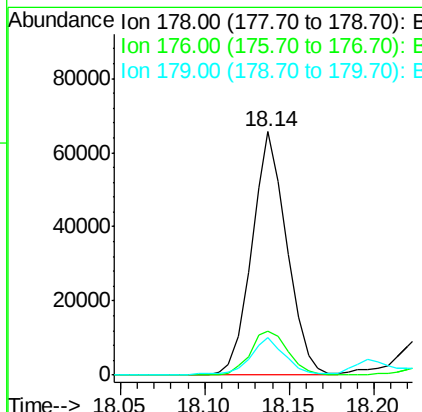
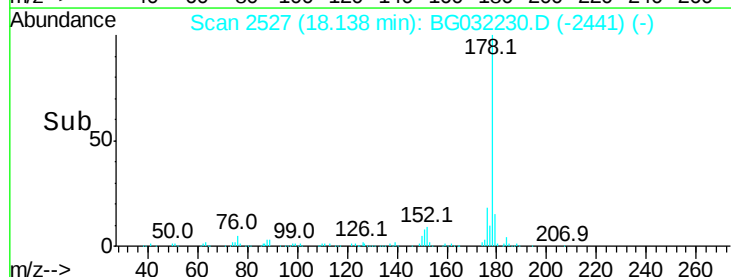


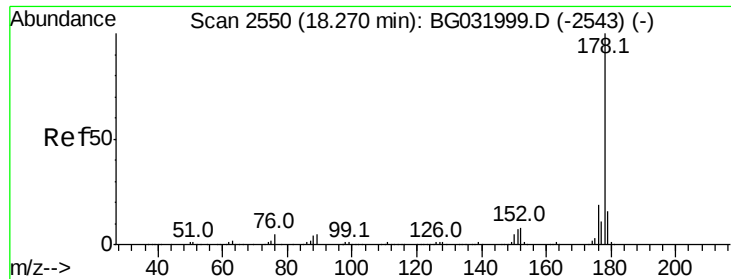
#70
Phenanthrene
Concen: 4.950 ng
RT: 18.14 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Tgt Ion:178 Resp: 94123
Ion Ratio Lower Upper
178 100
176 17.8 15.7 23.5
179 15.4 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

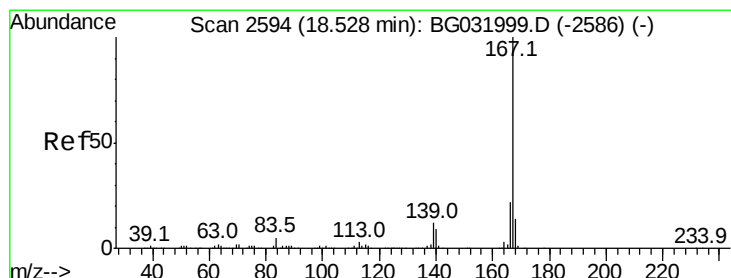
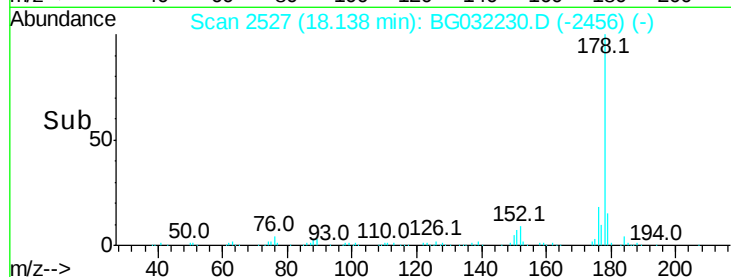
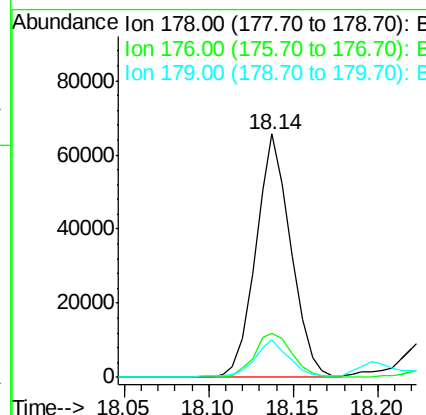
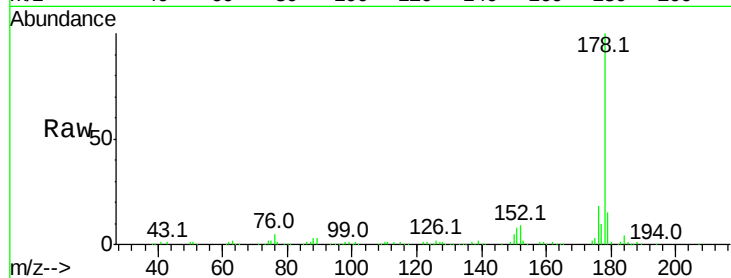




#71
 Anthracene
 Concen: 4.963 ng
 RT: 18.14 min Scan# 2527
 Delta R.T. -0.11 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

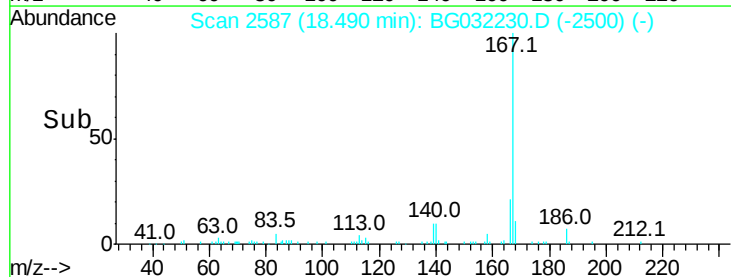
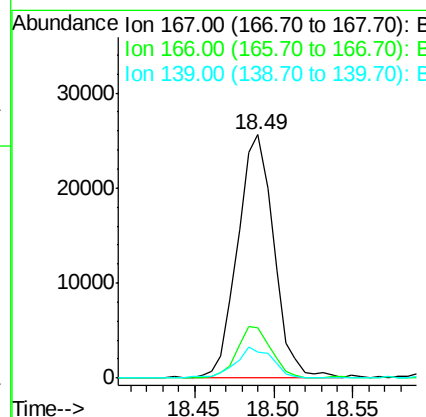
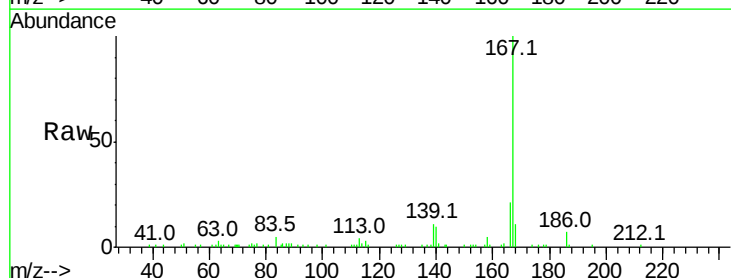
Instrument :
 BNA_G
 ClientSampleId :

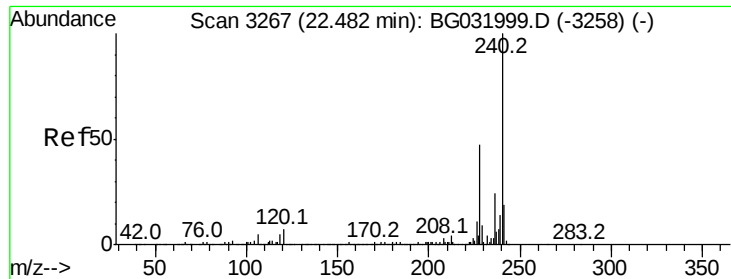
Tot Ion:178 Resp: 94123
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.0 24.0
 179 15.4 12.5 18.7



#72
 Carbazole
 Concen: 2.471 ng
 RT: 18.49 min Scan# 2587
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Tgt Ion:167 Resp: 40659
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.2 27.4
 139 10.8 9.4 14.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

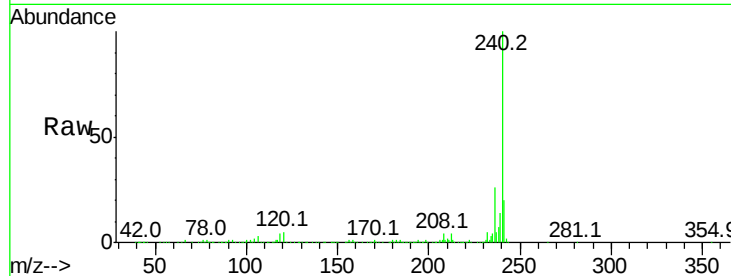
Tot Ion:240 Resp: 444333

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

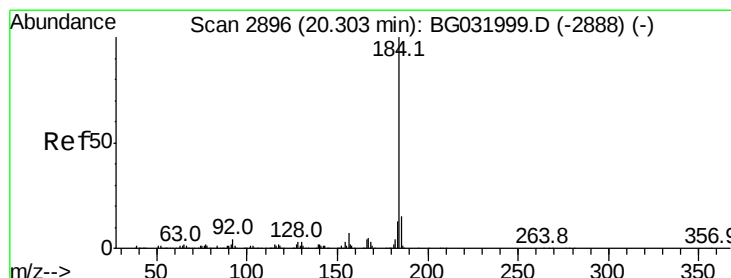
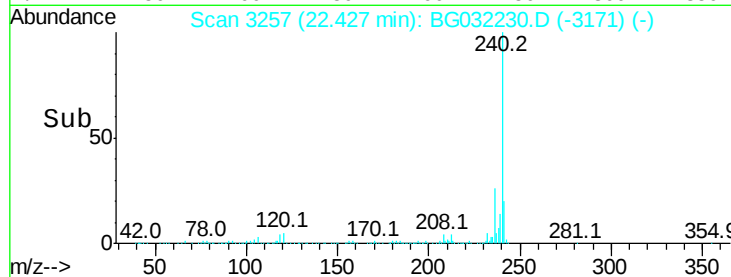
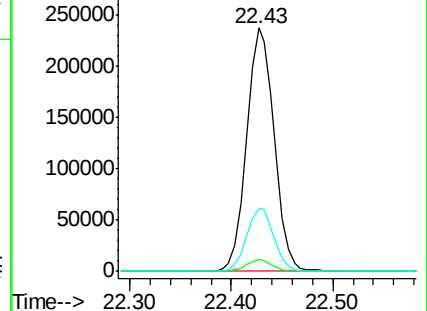
236 25.9 20.9 31.3



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: 2.292 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

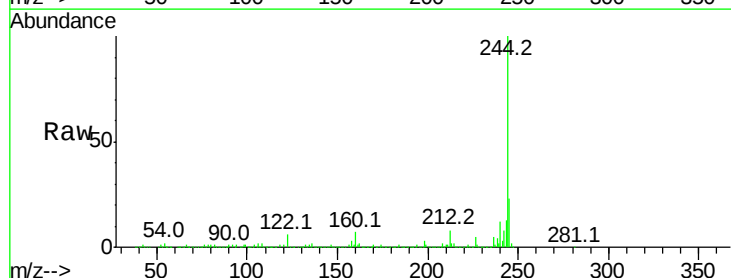
Tgt Ion:184 Resp: 25464

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

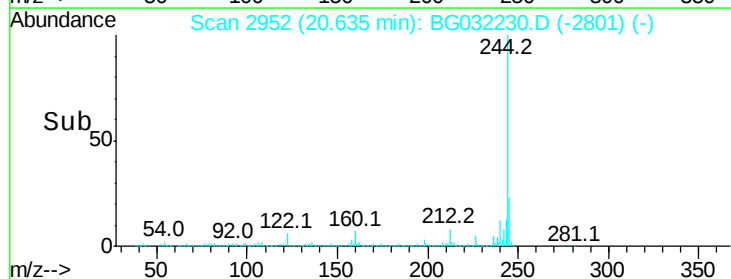
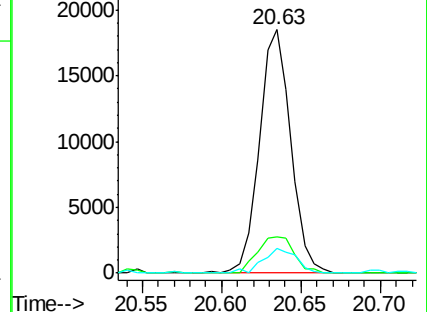
183 10.3 10.6 16.0#

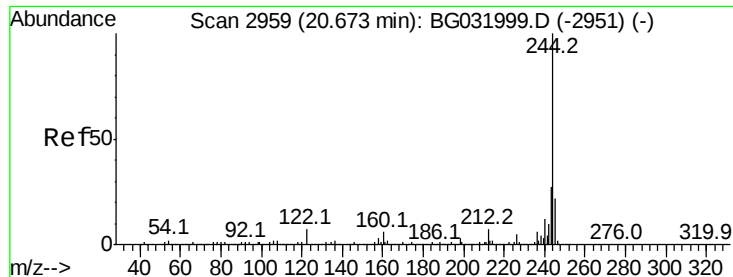


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.696 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_G

ClientSampleId :

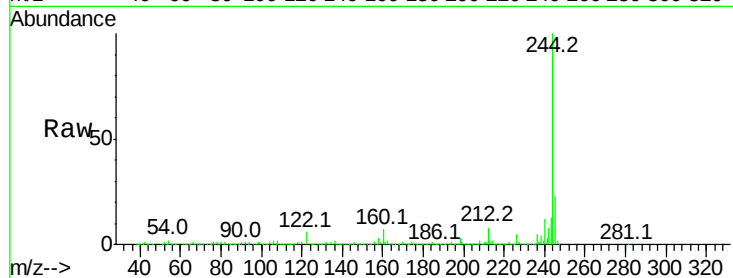
Tot Ion:244 Resp: 1764745

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.8
122	6.0	7.0	10.4

244 100

212 8.0 5.8 8.8

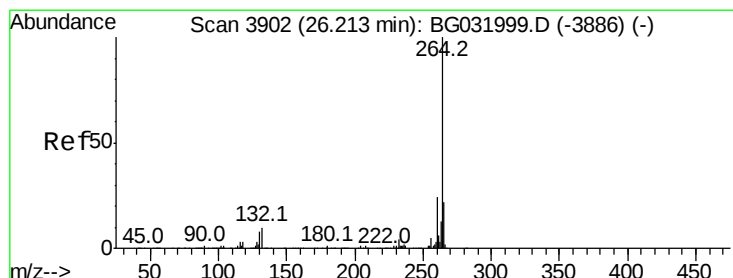
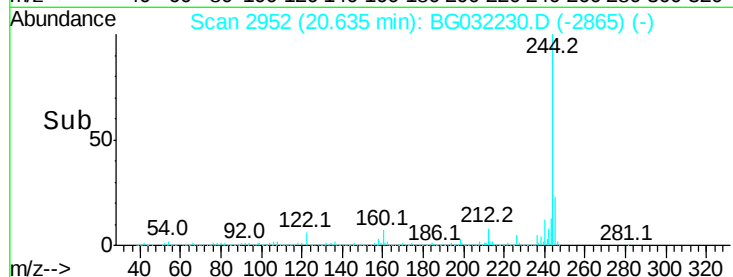
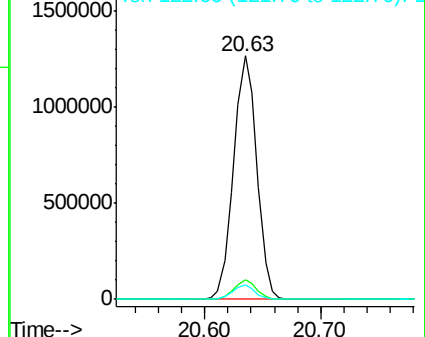
122 6.0 7.0 10.4



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: 26.12 min Scan# 3885

Delta R.T. -0.03 min

Lab File: BG032230.D

Acq: 23 Jan 2018 14:06

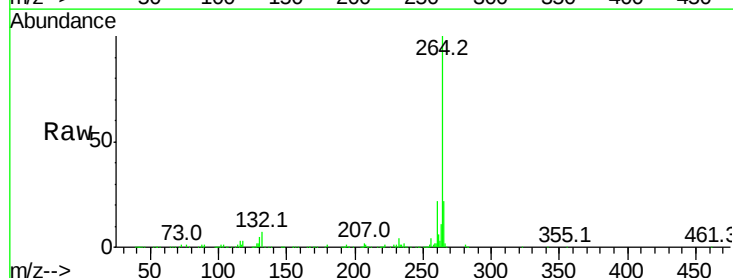
Tgt Ion:264 Resp: 468601

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	22.3	17.7	26.5

264 100

260 22.2 17.4 26.0

265 22.3 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

