

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 :
 WC-14-01

Quant Time: Jan 24 04:22:14 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

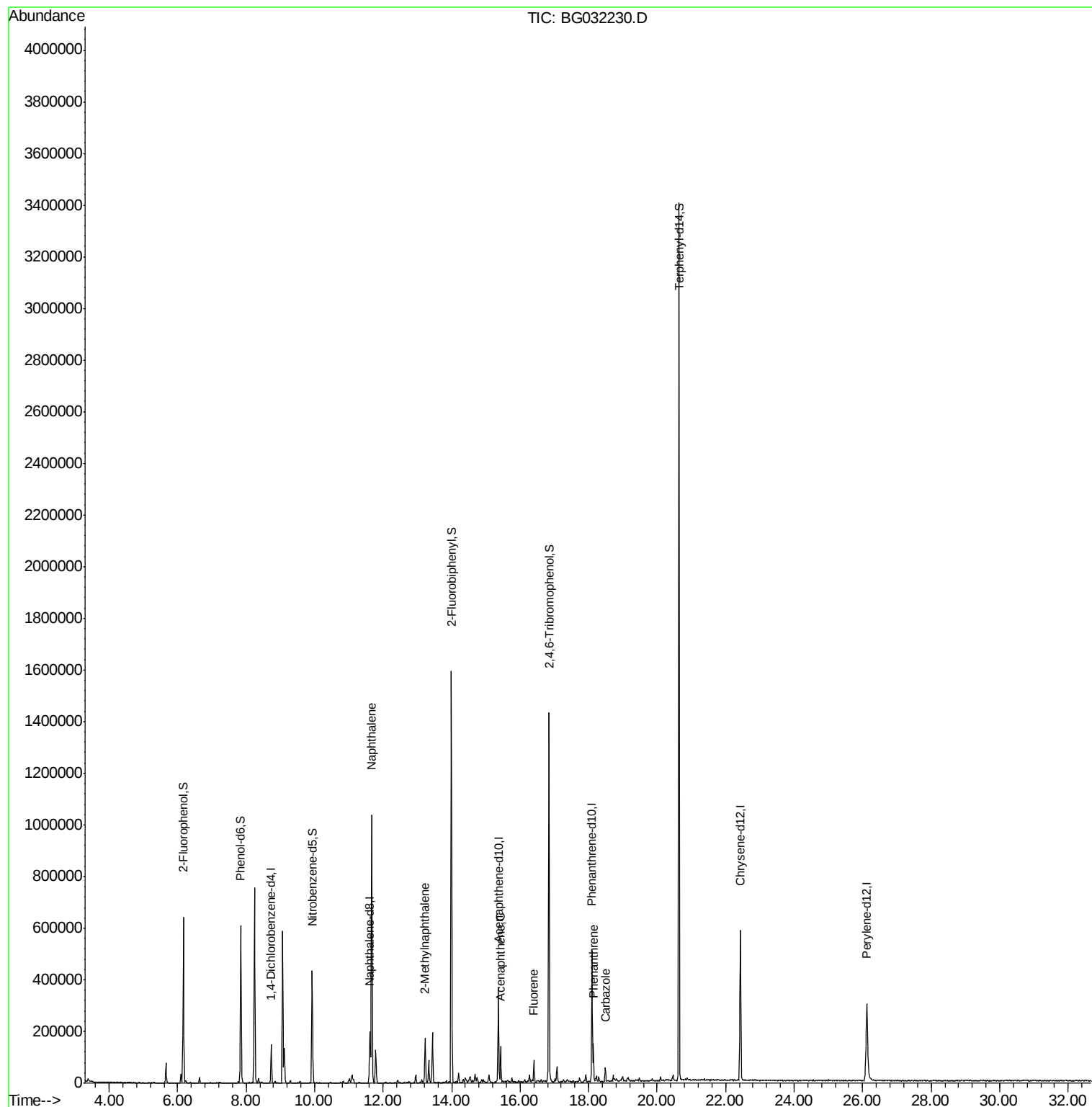
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	45590	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	196064	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	137974	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	341518	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	444333	20.00	ng	-0.02
86) Perylene-d12	26.12	264	468601	20.00	ng	-0.03
System Monitoring Compounds						
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						
31) Naphthalene	11.66	128	966397	99.500	ng	99
37) 2-Methylnaphthalene	13.23	142	83115	10.779	ng	93
51) Acenaphthene	15.43	154	58887	6.356	ng	99
57) Fluorene	16.40	166	39039	3.444	ng	95
70) Phenanthrene	18.14	178	94123	4.950	ng	98
72) Carbazole	18.49	167	40659	2.471	ng	97

(#) = 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 :

WC-14-01

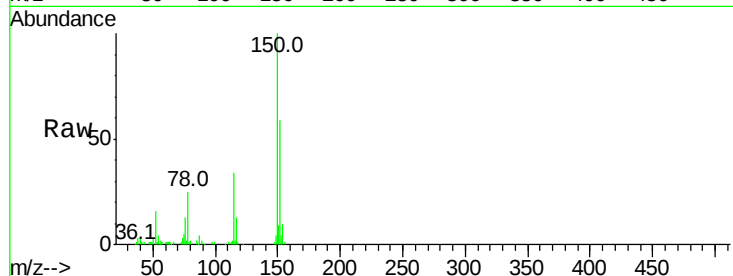
Tot Ion:152 Resp: 45590

Ion Ratio Lower Upper

152 100

150 168.5 126.6 189.8

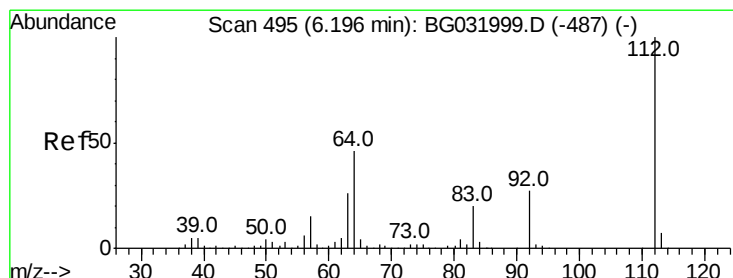
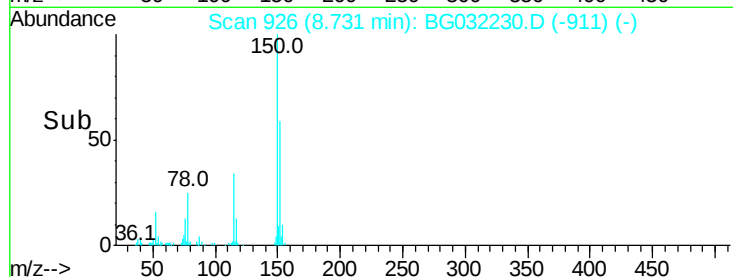
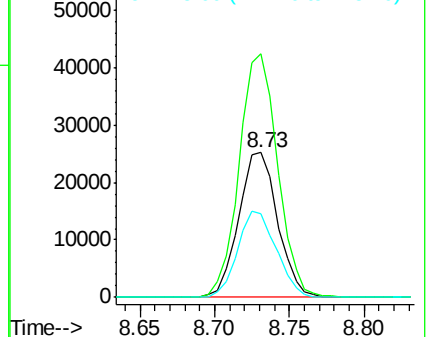
115 58.1 53.0 79.4



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

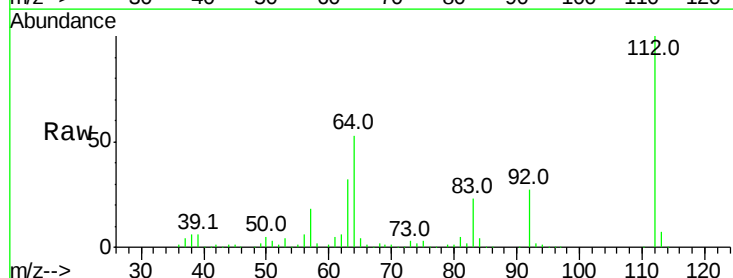
Tgt Ion:112 Resp: 310597

Ion Ratio Lower Upper

112 100

64 52.7 56.3 84.5#

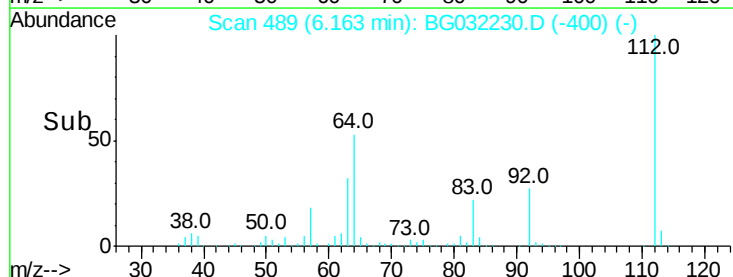
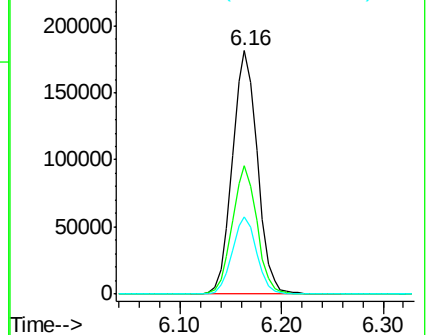
63 31.8 30.1 45.1

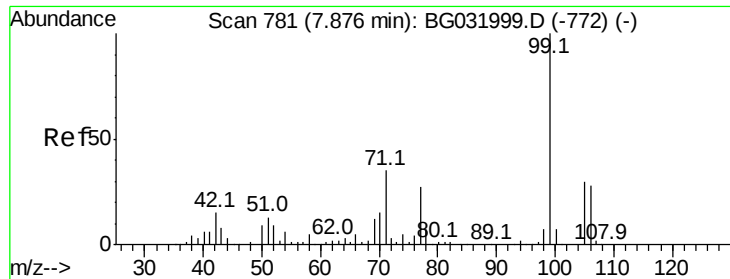


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#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 :

WC-14-01

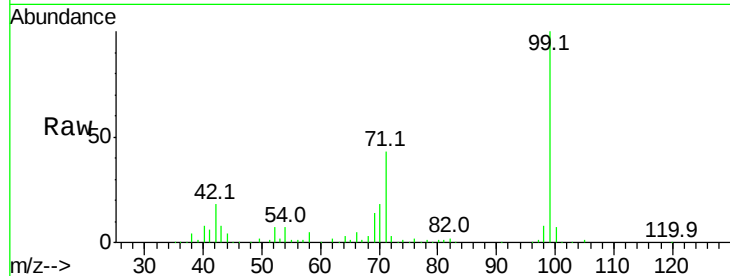
Tot Ion: 99 Resp: 370130

Ion Ratio Lower Upper

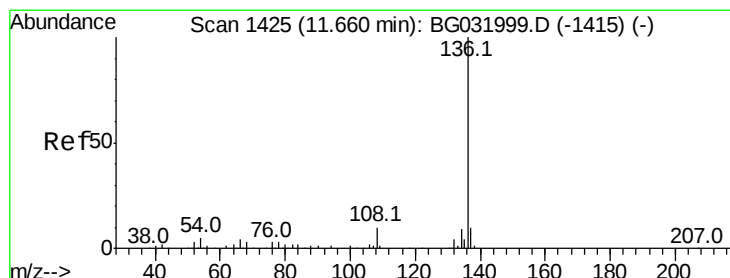
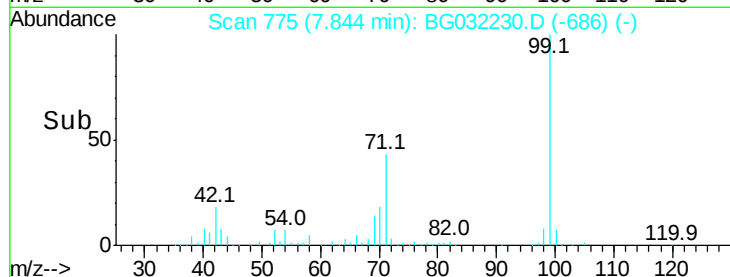
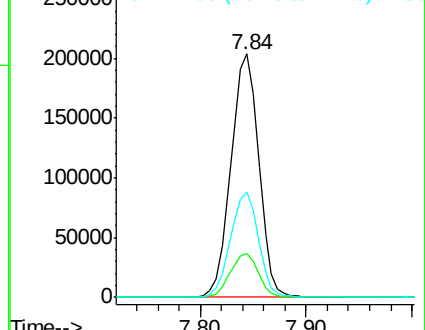
99 100

42 17.9 14.1 21.1

71 43.4 26.1 39.1#



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



#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

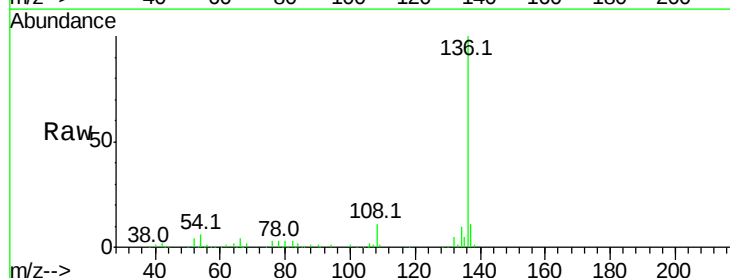
Ion Ratio Lower Upper

136 100

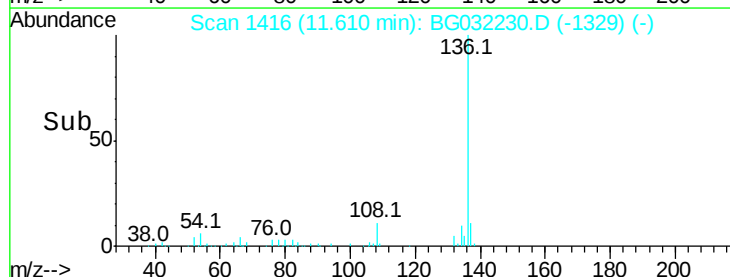
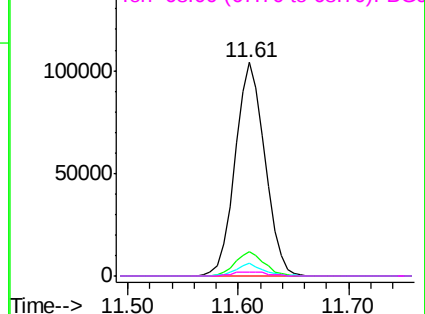
137 11.3 9.2 13.8

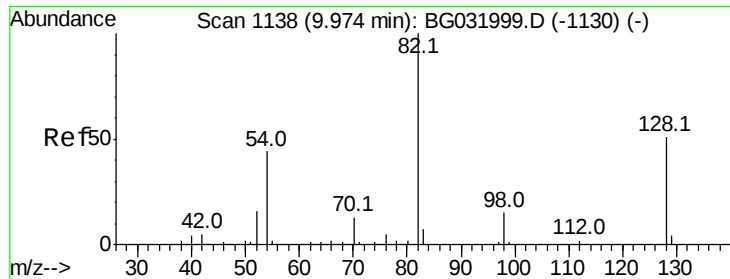
54 5.8 10.3 15.5#

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

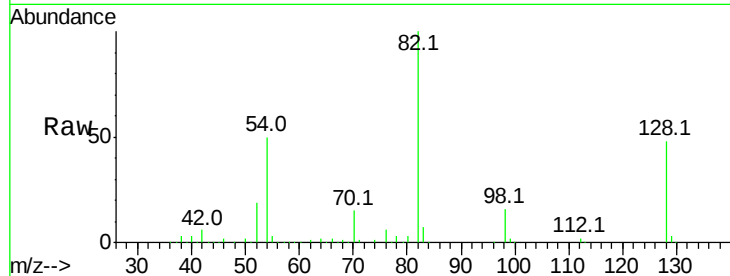




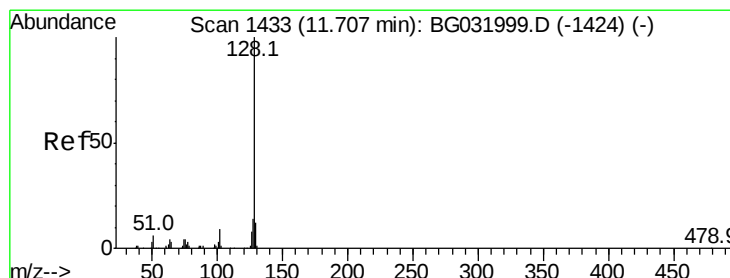
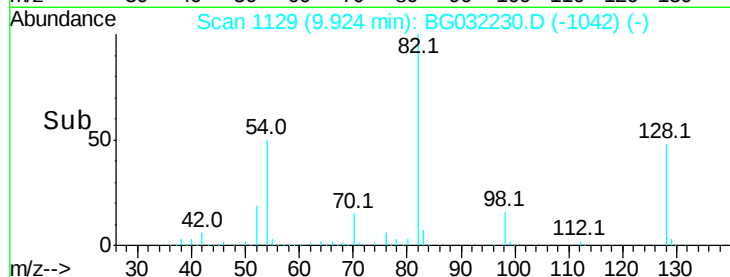
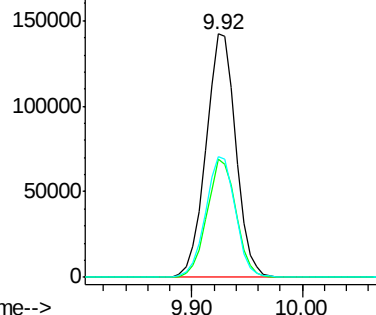
#23
Nitrobenzene-d5
Concen: 93.400 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Instrument :
BNA_G
ClientSampleId :
WC-14-01

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

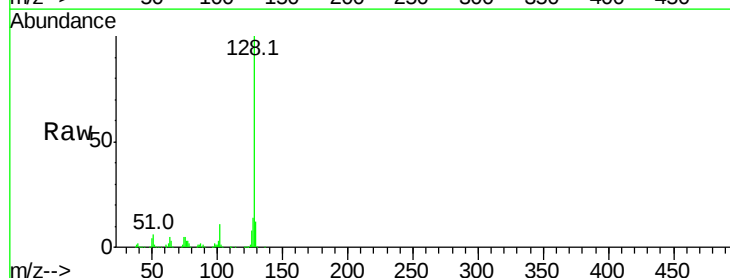


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

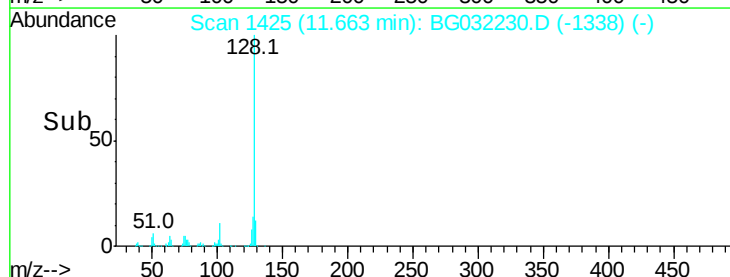
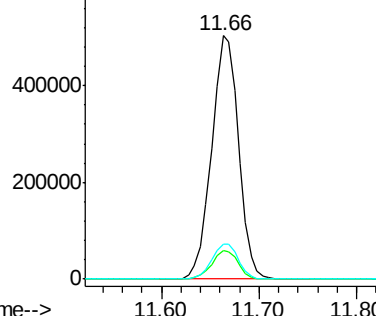


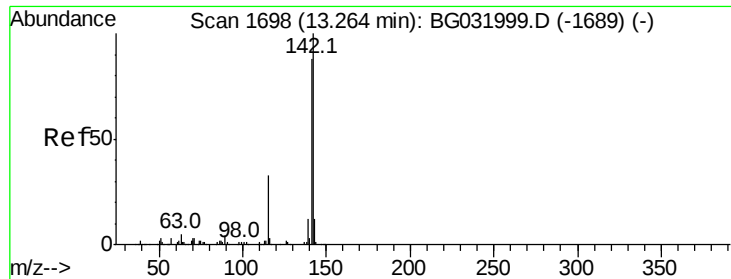
#31
Naphthalene
Concen: 99.500 ng
RT: 11.66 min Scan# 1425
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

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

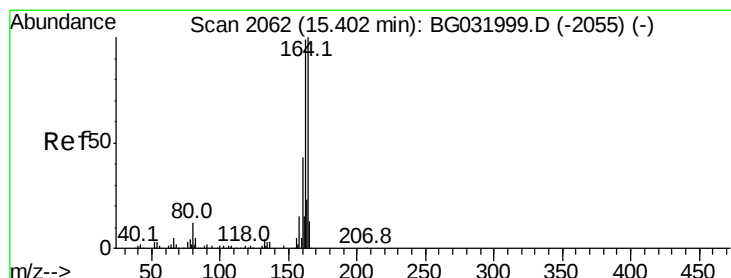
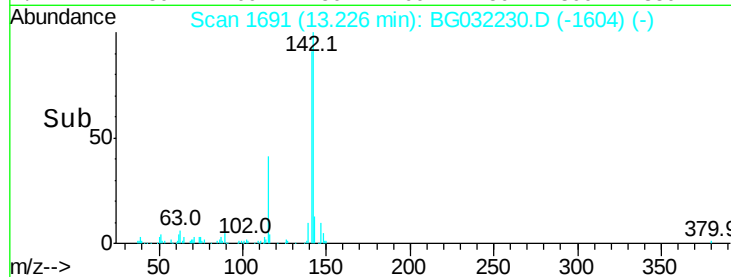
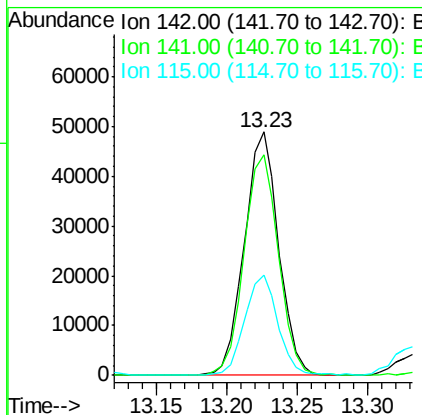
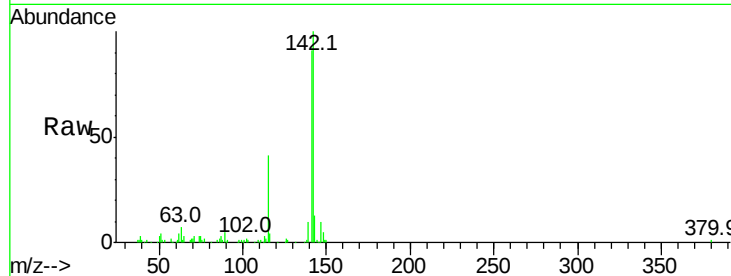




#37
2-Methylnaphthalene
Concen: 10.779 ng
RT: 13.23 min Scan# 1691
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

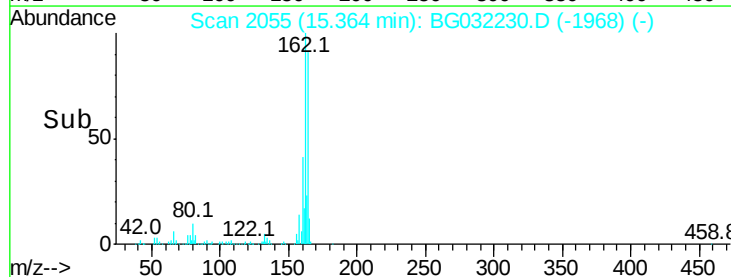
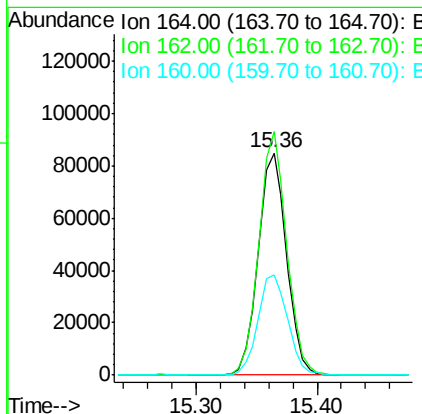
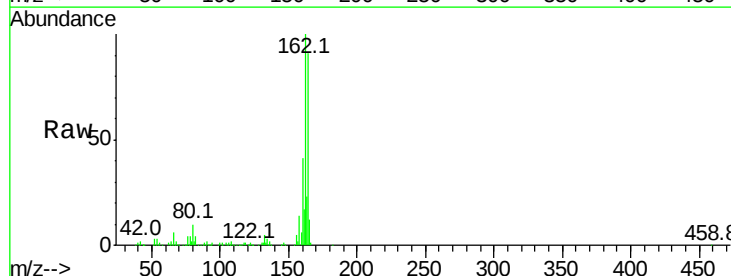
Instrument :
BNA_G
ClientSampleId :
WC-14-01

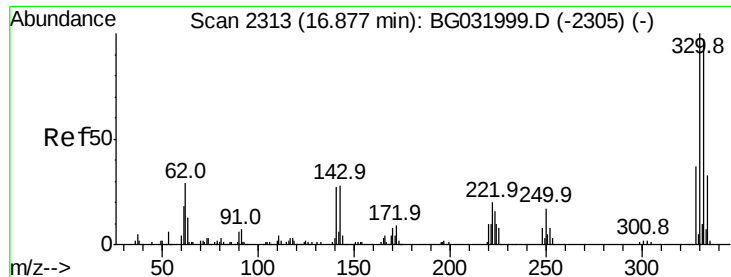
Tot Ion:142 Resp: 83115
Ion Ratio Lower Upper
142 100
141 90.7 67.1 100.7
115 41.0 30.7 46.1



#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

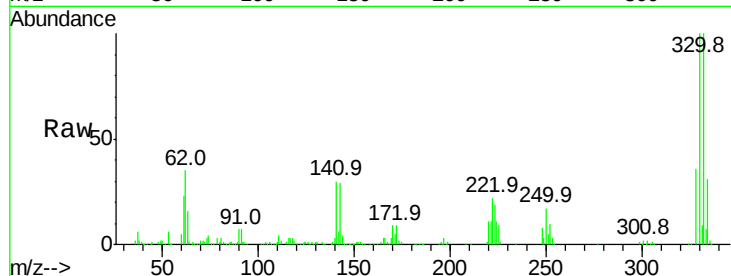




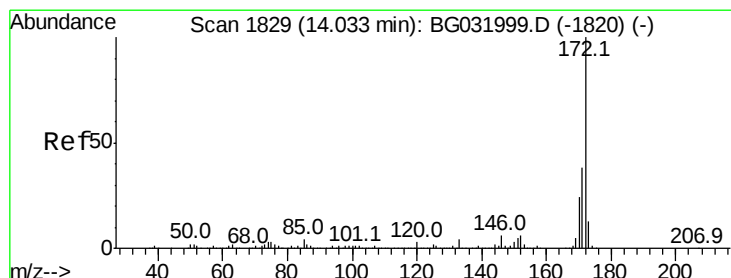
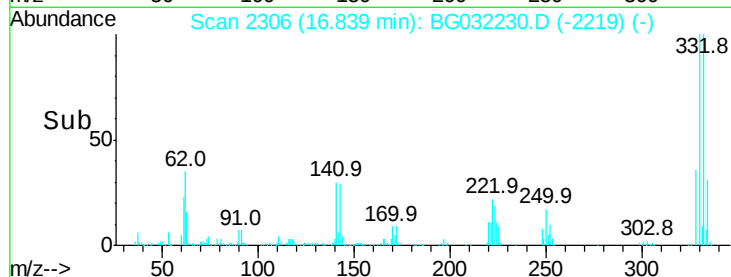
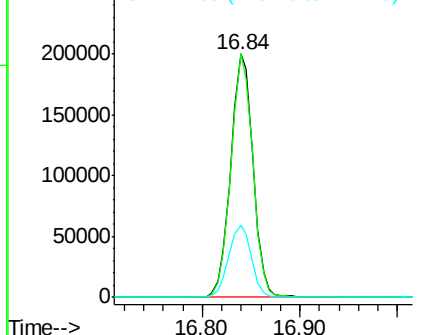
#41
 2,4,6-Tribromophenol
 Concen: 139.060 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_G
 ClientSampled :
 WC-14-01

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

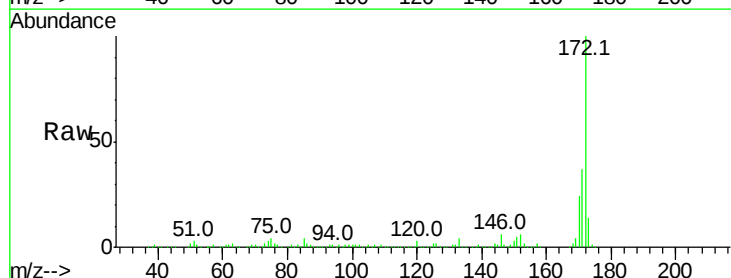


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

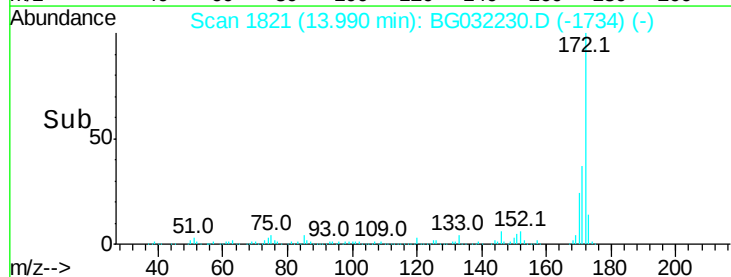
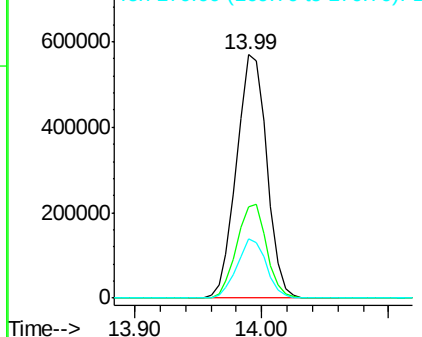


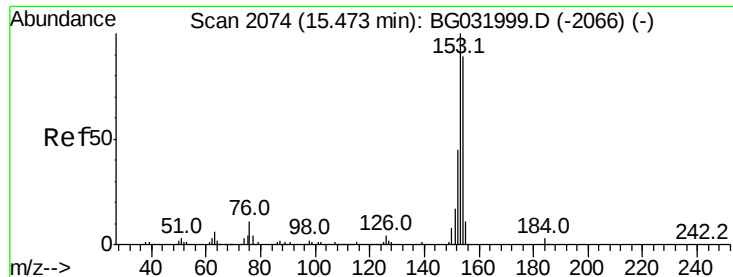
#44
 2-Fluorobiphenyl
 Concen: 84.636 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

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 :

WC-14-01

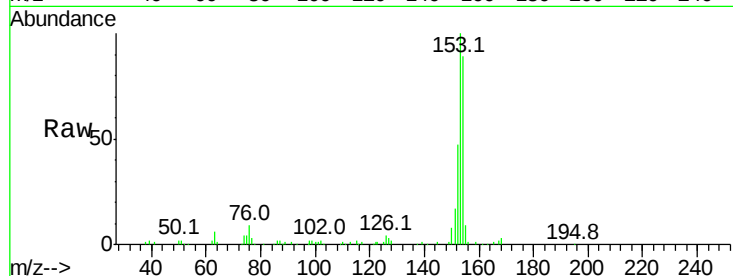
Tot Ion:154 Resp: 58887

Ion Ratio Lower Upper

154 100

153 112.1 90.4 135.6

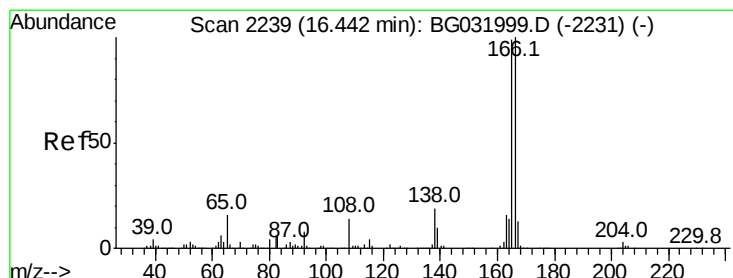
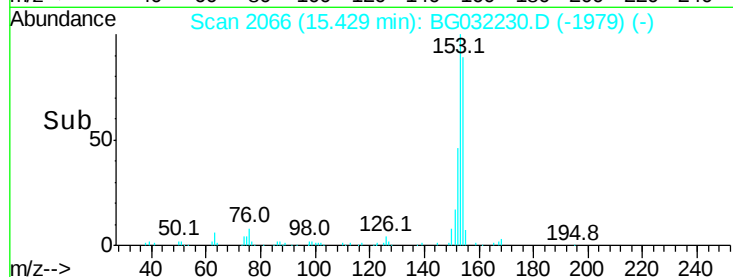
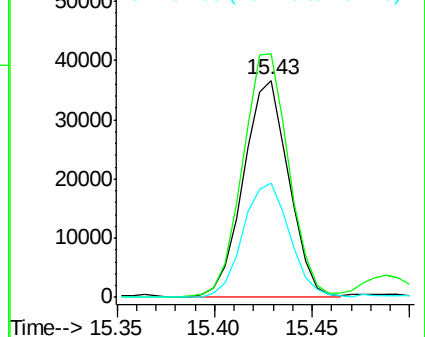
152 52.5 41.6 62.4



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



#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

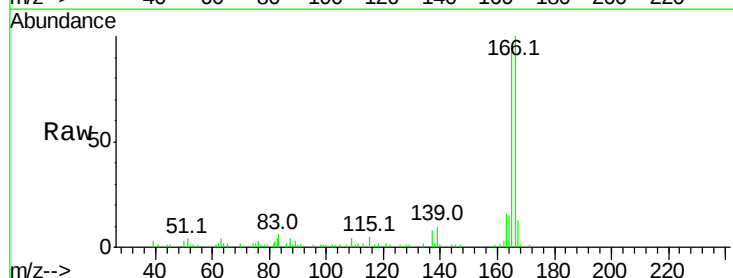
Tgt Ion:166 Resp: 39039

Ion Ratio Lower Upper

166 100

165 94.7 80.6 121.0

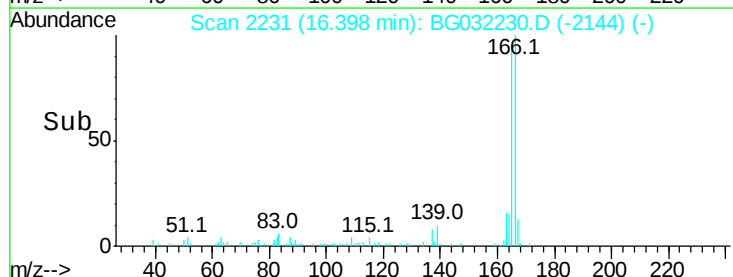
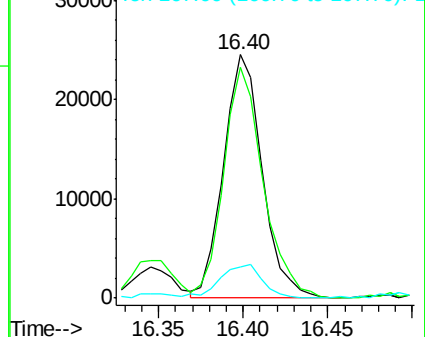
167 12.6 10.4 15.6

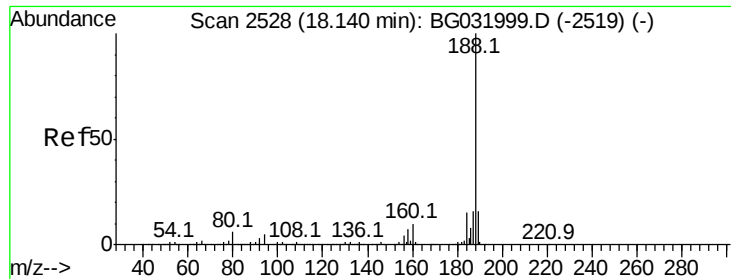


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

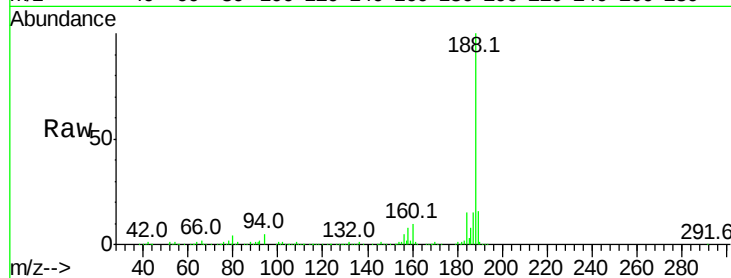




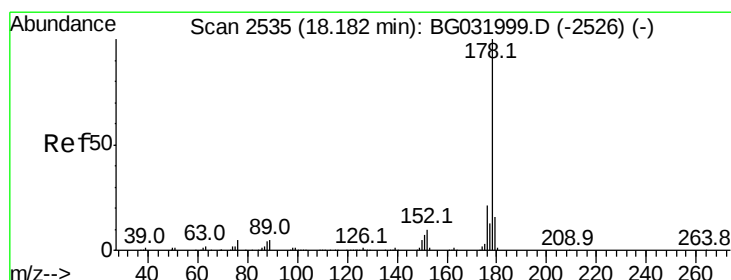
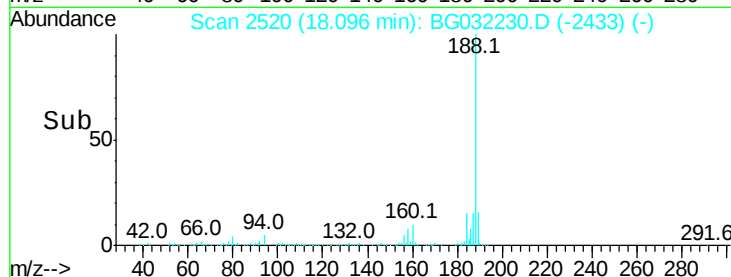
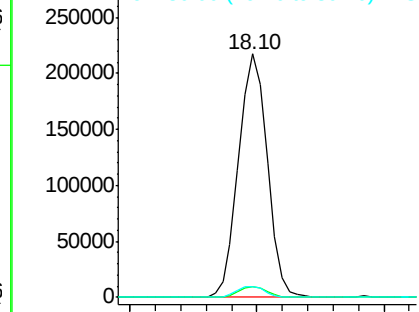
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.10 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

Instrument :
BNA_G
ClientSampled :
WC-14-01

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#

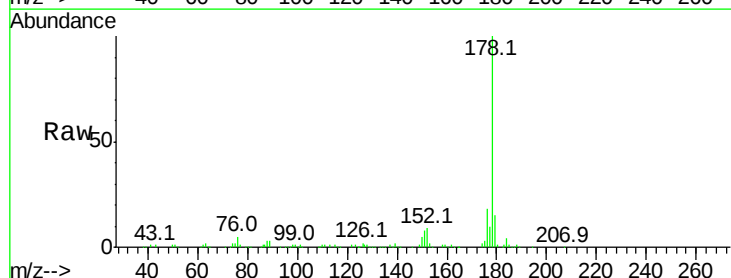


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

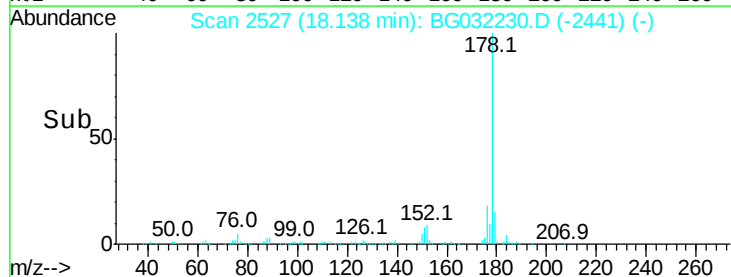
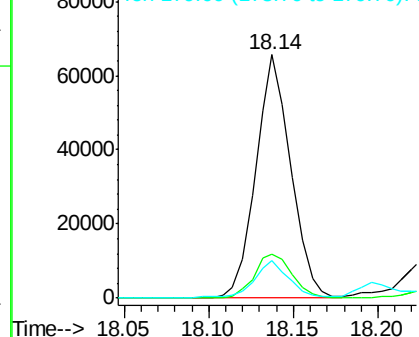


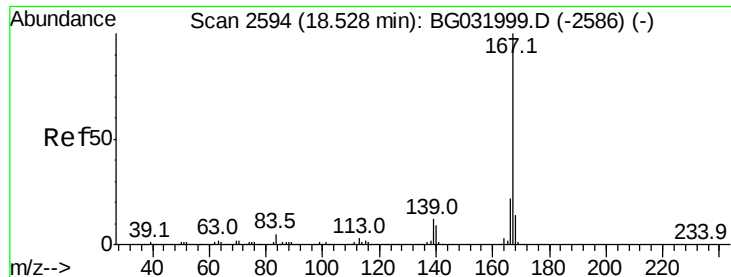
#70
Phenanthrene
Concen: 4.950 ng
RT: 18.14 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BG032230.D
Acq: 23 Jan 2018 14:06

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

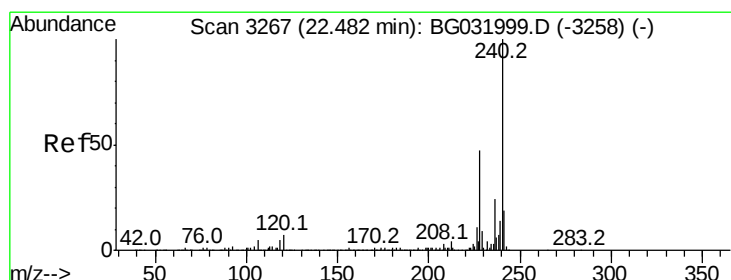
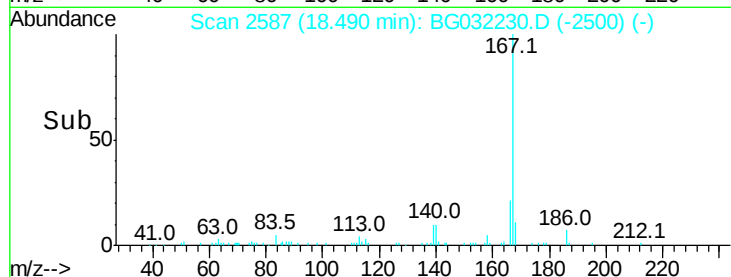
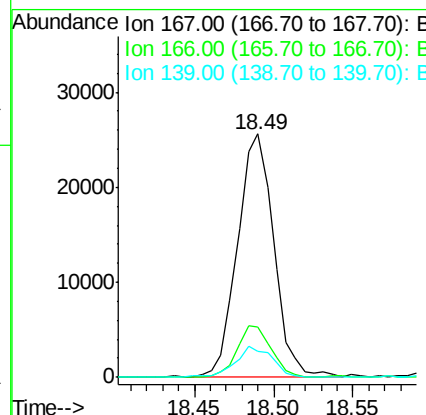
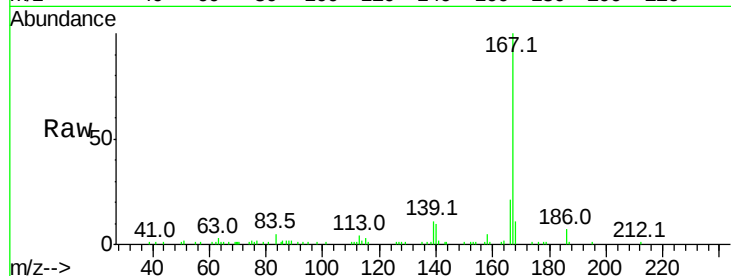




#72
 Carbazole
 Concen: 2.471 ng
 RT: 18.49 min Scan# 2587
 Delta R.T. -0.02 min
 Lab File: BG032230.D
 Acq: 23 Jan 2018 14:06

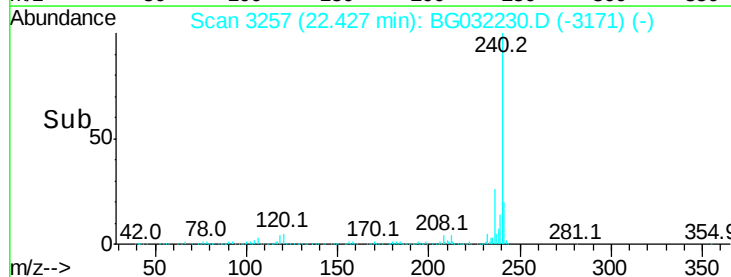
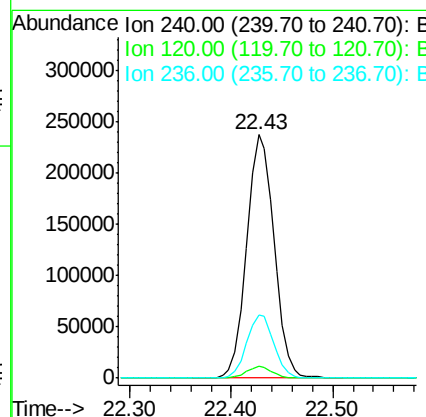
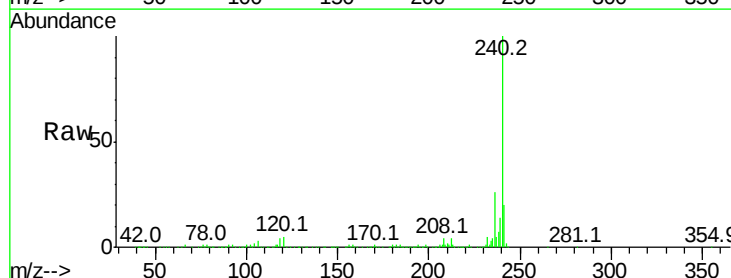
Instrument :
 BNA_G
 ClientSampleId :
 WC-14-01

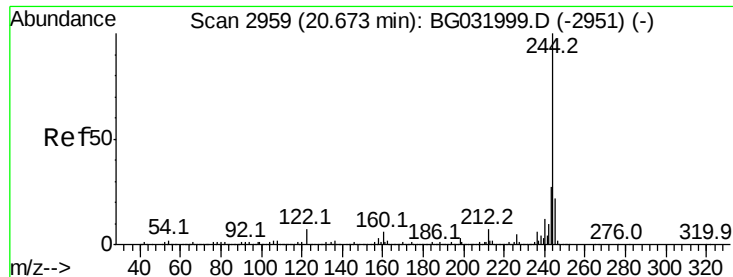
Tot Ion:167 Resp: 40659
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.2 27.4
 139 10.8 9.4 14.2



#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

Tgt Ion:240 Resp: 444333
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 25.9 20.9 31.3





#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 :

WC-14-01

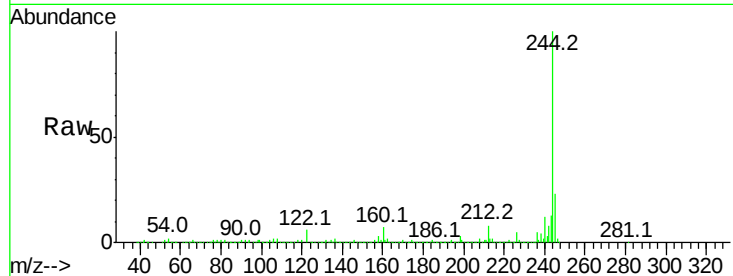
Tot Ion:244 Resp: 1764745

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

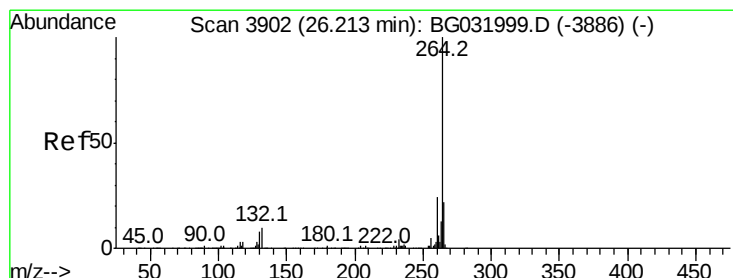
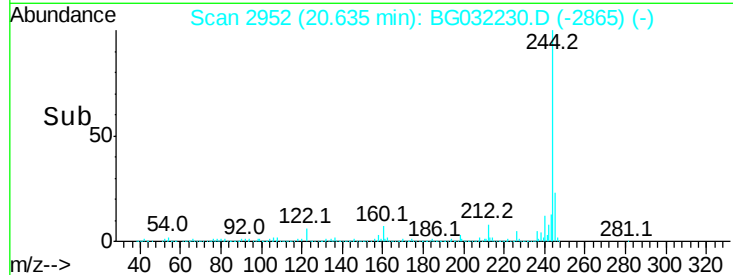
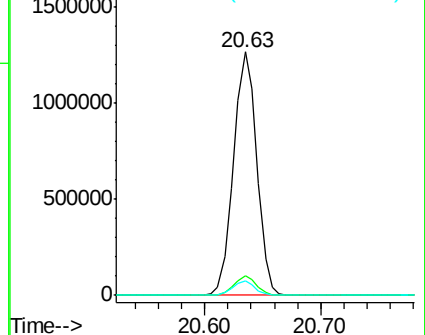
122 6.0 7.0 10.4#



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

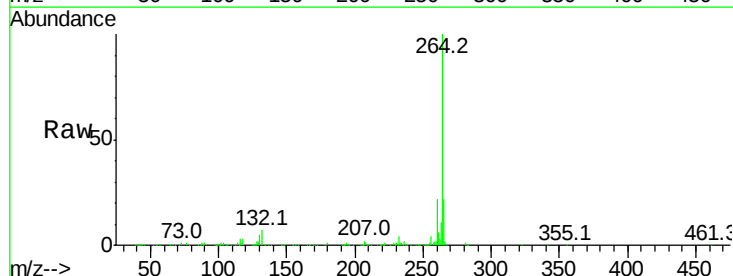
Tgt Ion:264 Resp: 468601

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 22.3 17.7 26.5



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

