

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032186.D
 Acq On : 20 Jan 2018 19:20
 Operator : SJ/JU
 Sample : J1186-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Quant Time: Jan 22 05:27:46 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

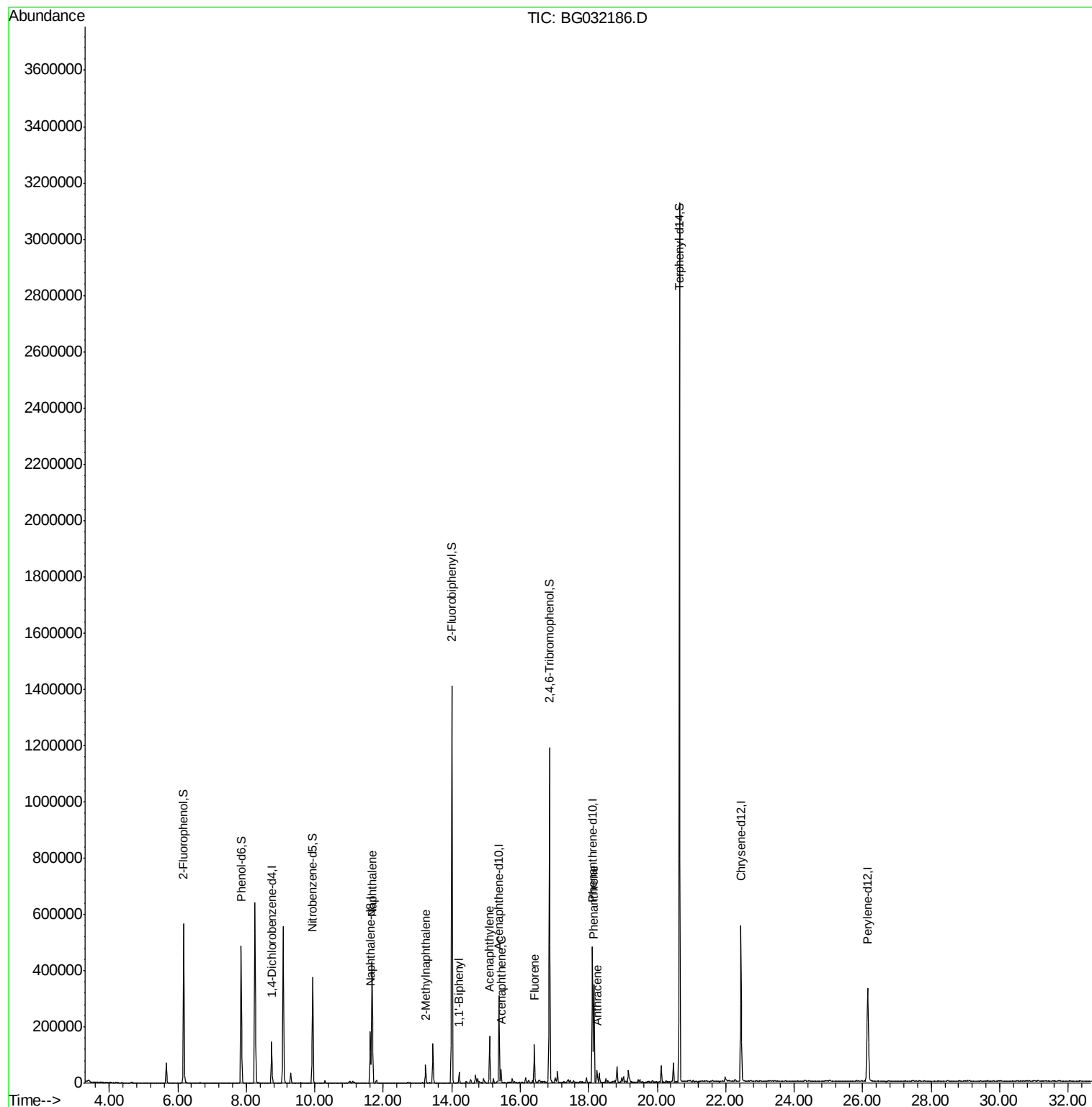
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	46930	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	183400	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	123036	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	315611	20.00	ng	0.00
75) Chrysene-d12	22.44	240	428391	20.00	ng	0.00
86) Perylene-d12	26.15	264	448848	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	277029	107.96	ng	0.00
7) Phenol-d6	7.85	99	298271	92.30	ng	0.00
23) Nitrobenzene-d5	9.94	82	241031	88.91	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	266173	130.74	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	825257	83.17	ng	0.00
78) Terphenyl-d14	20.65	244	1655934	85.35	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.68	128	401112	44.150	ng	98
37) 2-Methylnaphthalene	13.24	142	31232	4.330	ng	94
45) 1,1'-Biphenyl	14.22	154	25106	2.380	ng	94
48) Acenaphthylene	15.10	152	122623	9.814	ng	96
51) Acenaphthene	15.44	154	19652	2.379	ng	98
57) Fluorene	16.41	166	68880	6.814	ng	98
70) Phenanthrene	18.15	178	248519	14.143	ng	99
71) Anthracene	18.24	178	35594	2.031	ng	99

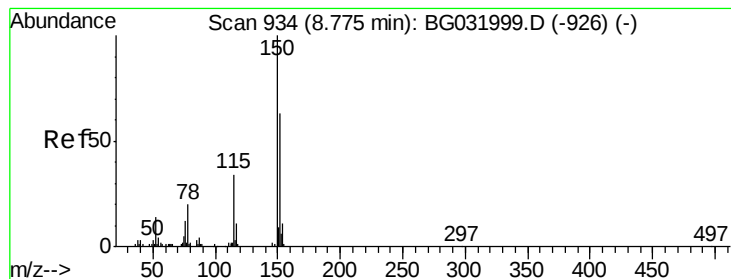
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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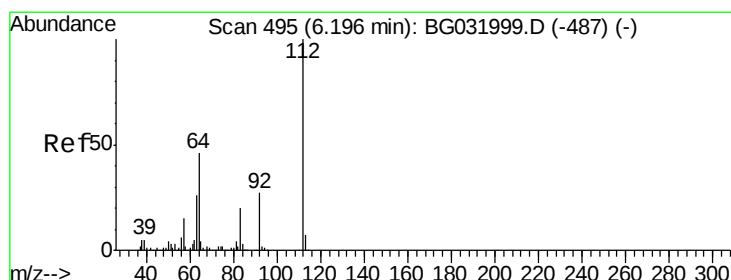
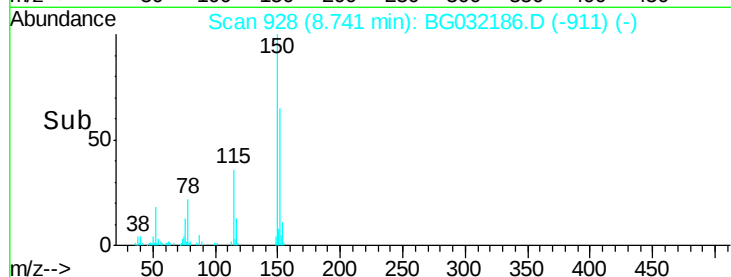
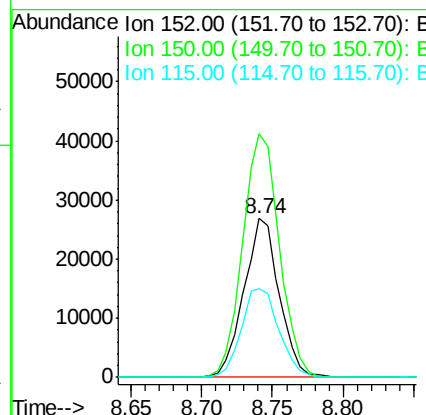
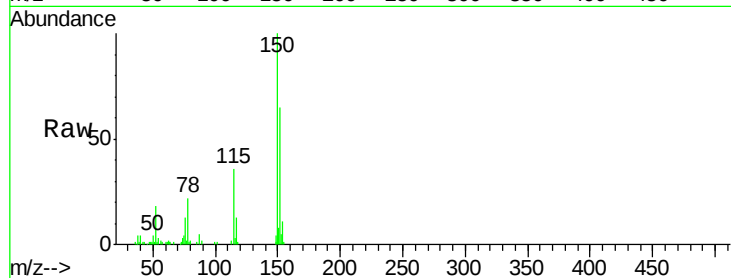


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

Instrument :
BNA_G
ClientSampled :
OWS-2

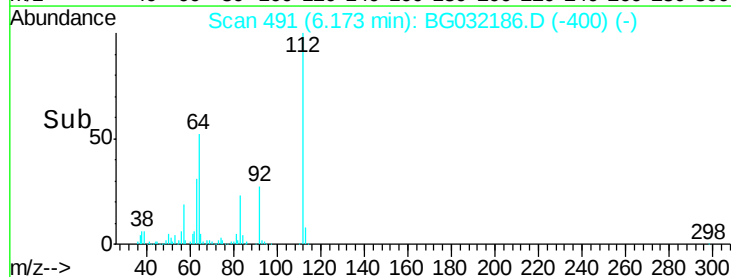
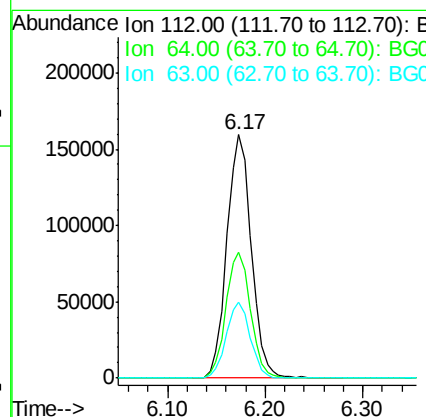
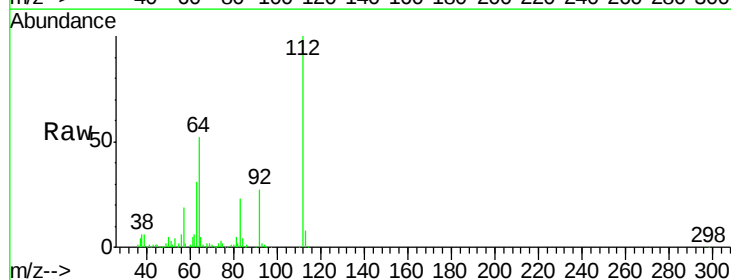
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.6	189.8
115	55.6	53.0	79.4



#5

2-Fluorophenol
Concen: 107.962 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	56.3	84.5#
63	31.1	30.1	45.1





#7

Phenol-d6

Concen: 92.296 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

Instrument :

BNA_G

ClientSampleId :

OWS-2

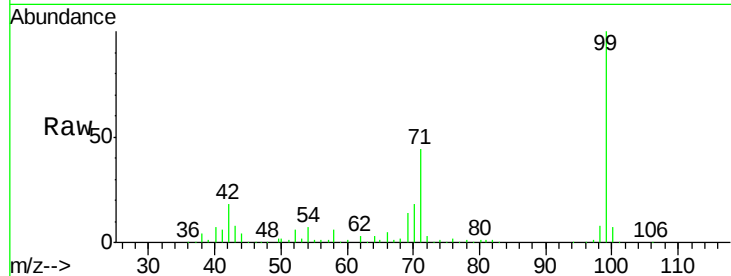
Tot Ion: 99 Resp: 298271

Ion Ratio Lower Upper

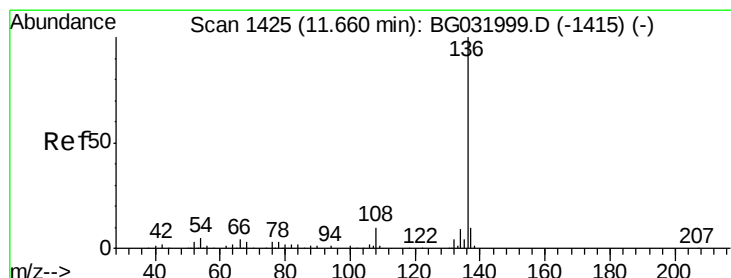
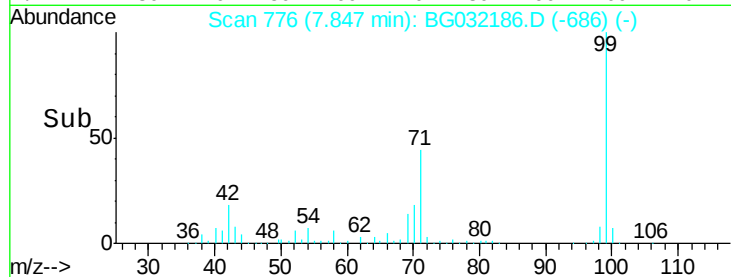
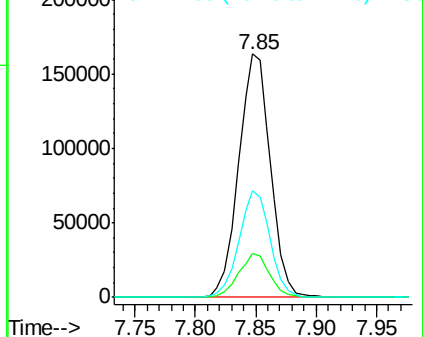
99 100

42 18.1 14.1 21.1

71 43.8 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: 11.63 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

Tgt Ion: 136 Resp: 183400

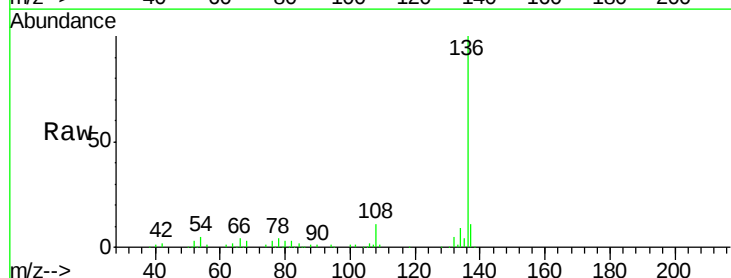
Ion Ratio Lower Upper

136 100

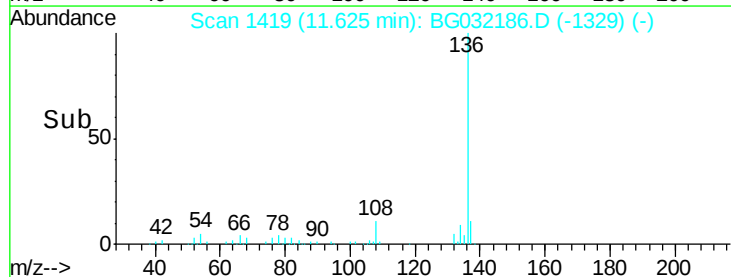
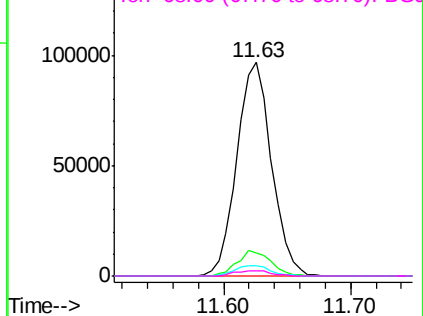
137 10.7 9.2 13.8

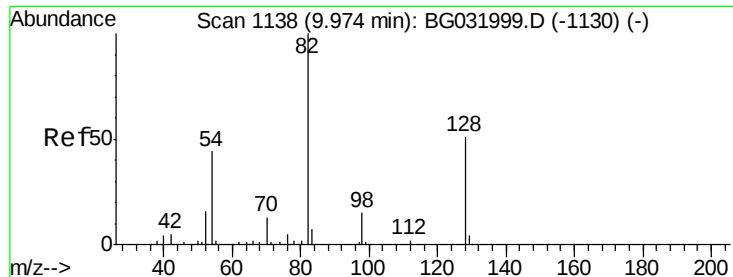
54 4.8 10.3 15.5#

68 2.7 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

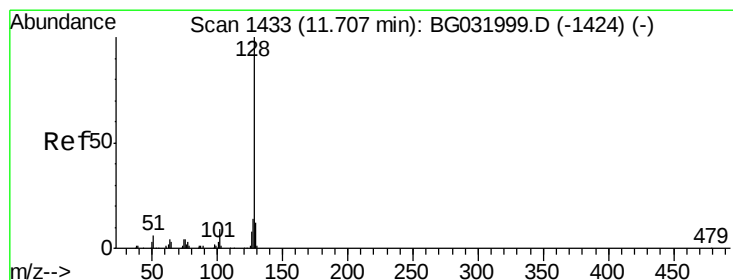
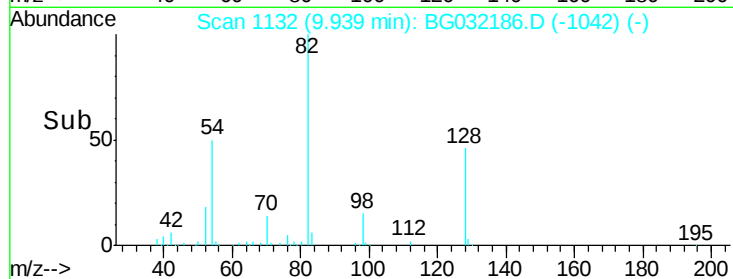
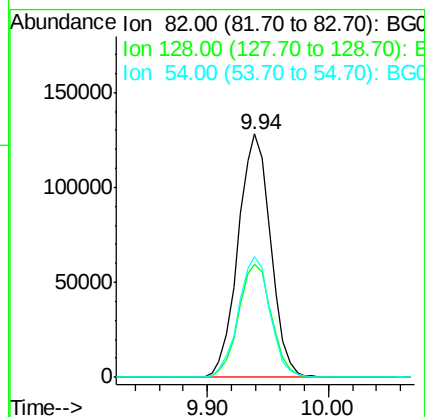
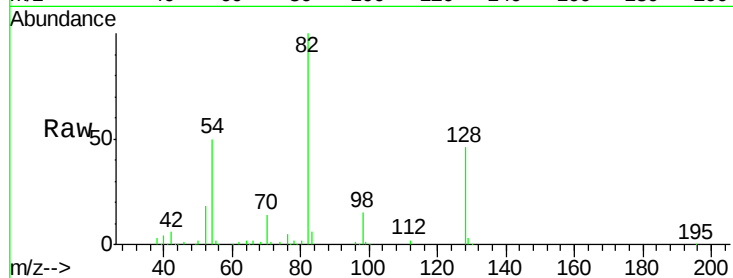




#23
 Nitrobenzene-d5
 Concen: 88.914 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

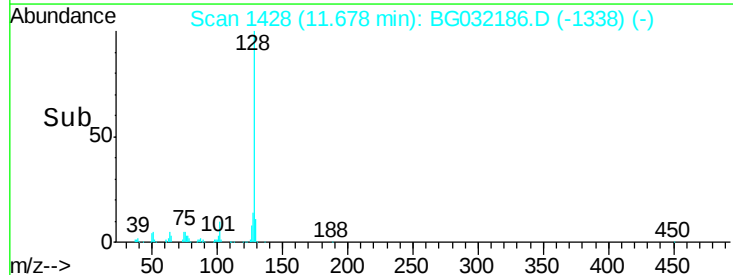
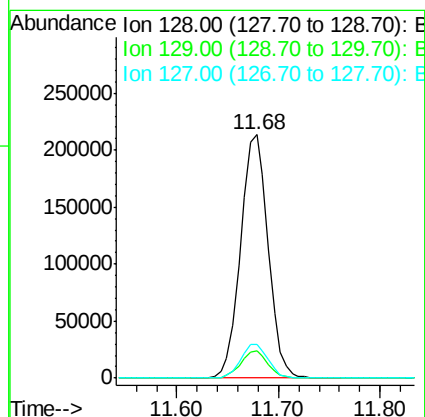
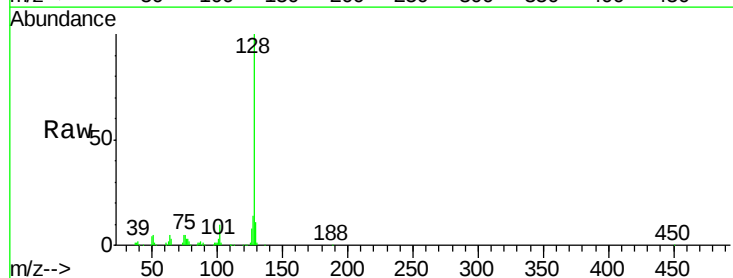
Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

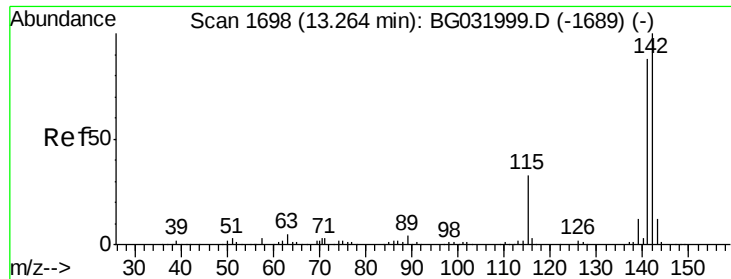
Tot Ion: 82 Resp: 241031
 Ion Ratio Lower Upper
 82 100
 128 46.4 29.7 44.5#
 54 49.7 43.1 64.7



#31
 Naphthalene
 Concen: 44.150 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

Tgt Ion: 128 Resp: 401112
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.6 12.8
 127 13.6 11.6 17.4

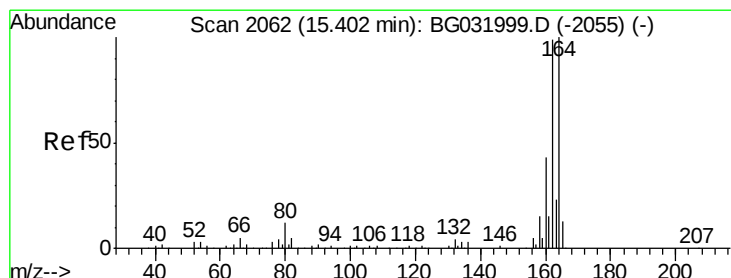
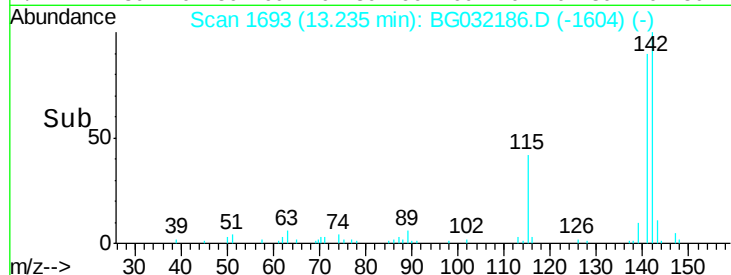
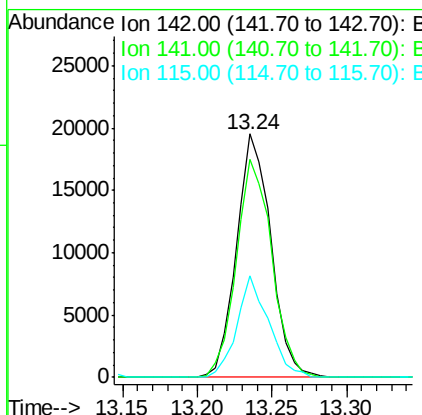
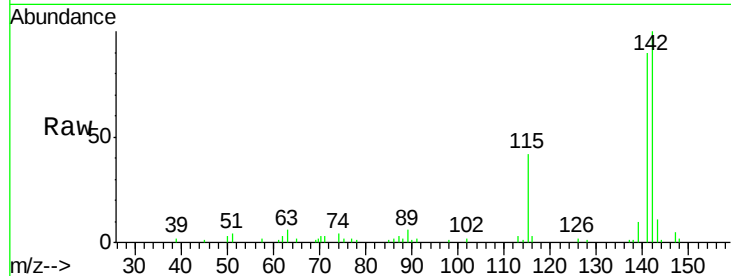




#37
2-Methylnaphthalene
Concen: 4.330 ng
RT: 13.24 min Scan# 1693
Delta R.T. -0.01 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

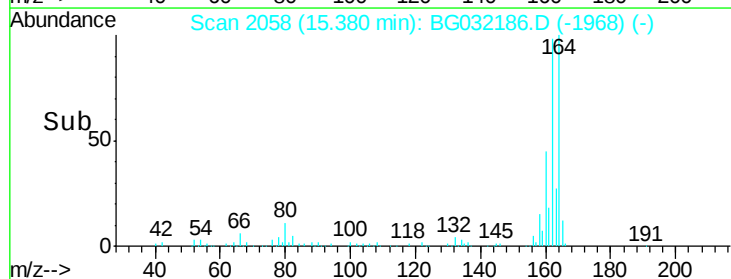
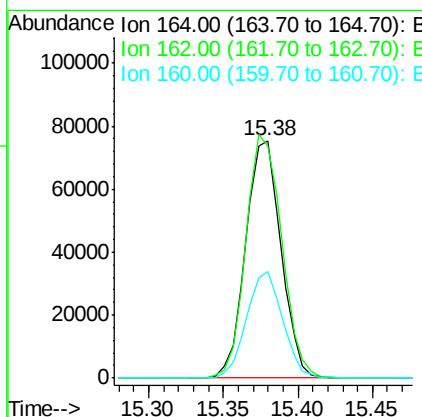
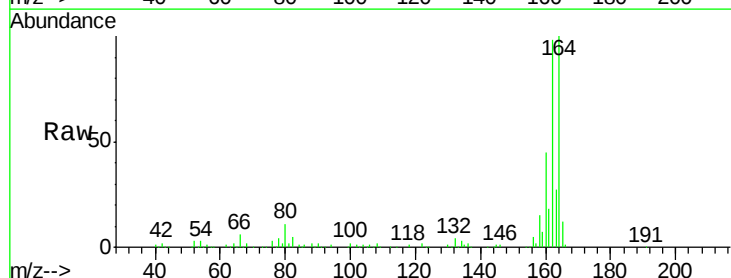
Instrument :
BNA_G
ClientSampleId :
OWS-2

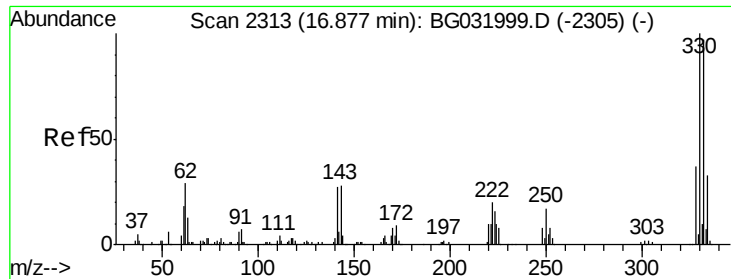
Tot Ion:142 Resp: 31232
Ion Ratio Lower Upper
142 100
141 89.7 67.1 100.7
115 41.7 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

Tgt Ion:164 Resp: 123036
Ion Ratio Lower Upper
164 100
162 97.9 78.8 118.2
160 44.9 35.4 53.0

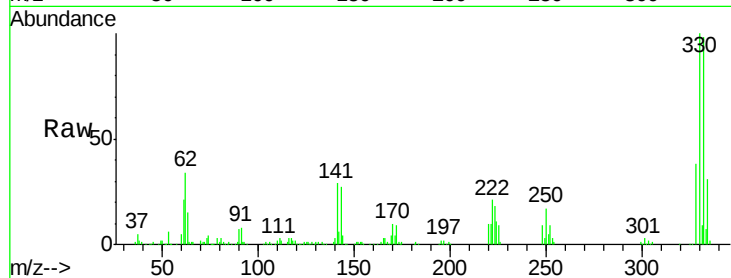




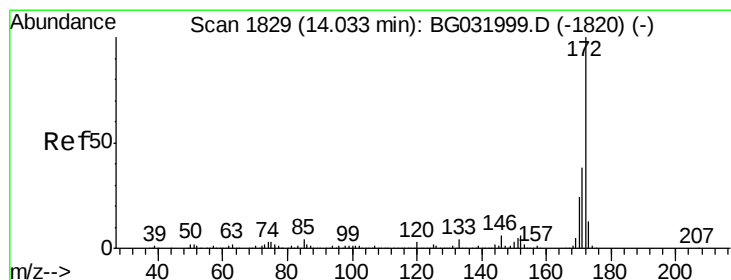
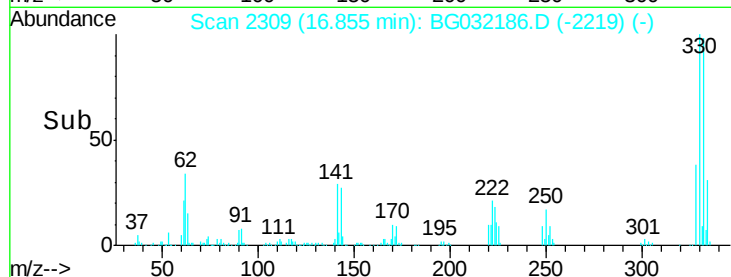
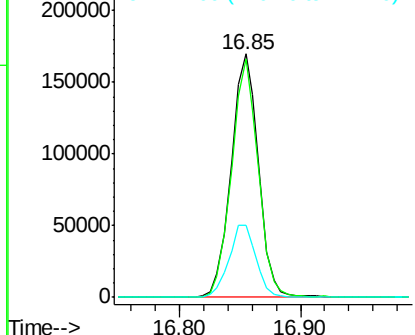
#41
 2,4,6-Tribromophenol
 Concen: 130.736 ng
 RT: 16.85 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	29.9	25.2	37.8

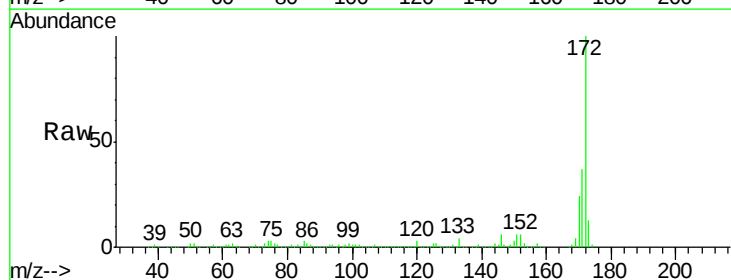


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

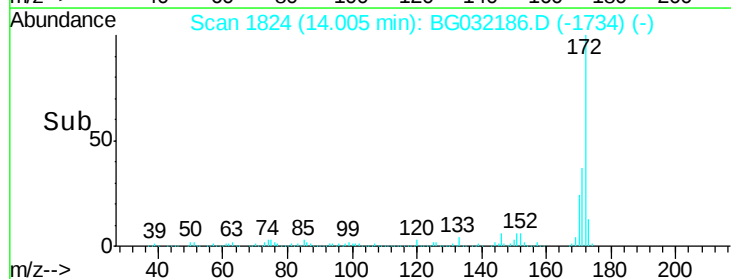
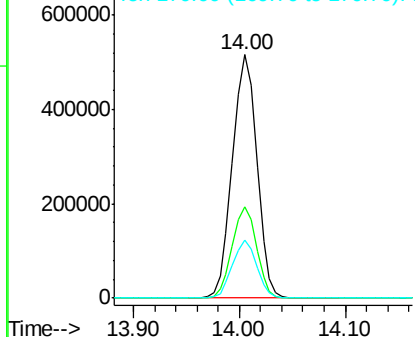


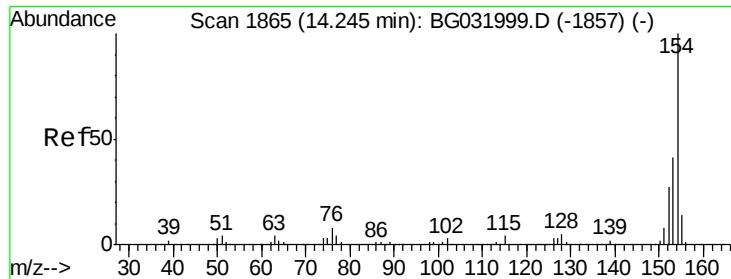
#44
 2-Fluorobiphenyl
 Concen: 83.169 ng
 RT: 14.00 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	23.8	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

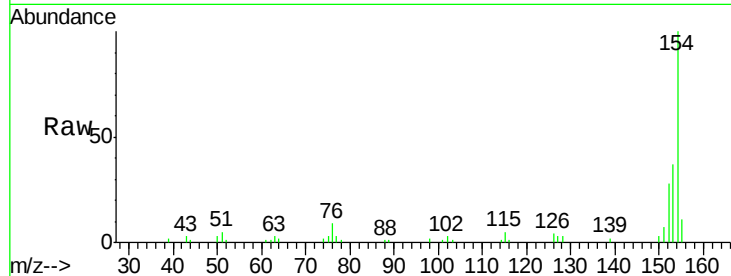




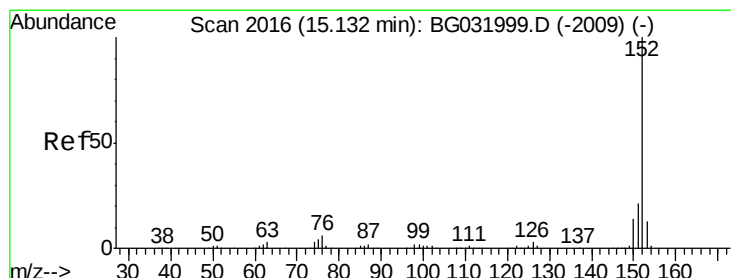
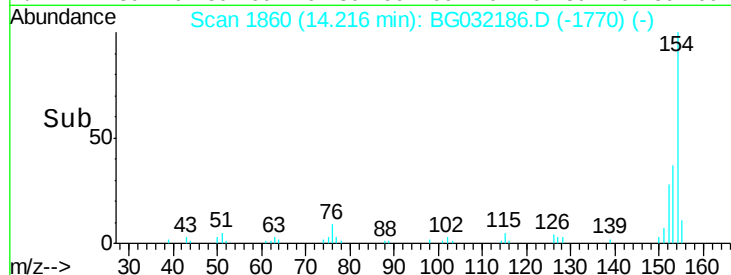
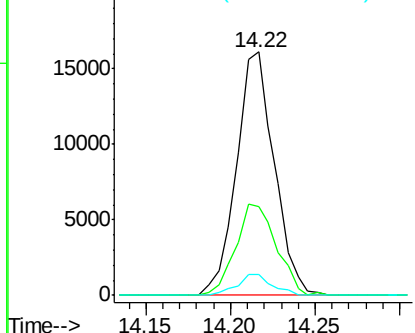
#45
 1,1'-Biphenyl
 Concen: 2.380 ng
 RT: 14.22 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

Instrument :
 BNA_G
 ClientSampleId :
 OWS-2

Tot Ion:154 Resp: 25106
 Ion Ratio Lower Upper
 154 100
 153 36.6 19.8 59.8
 76 8.6 0.0 31.9

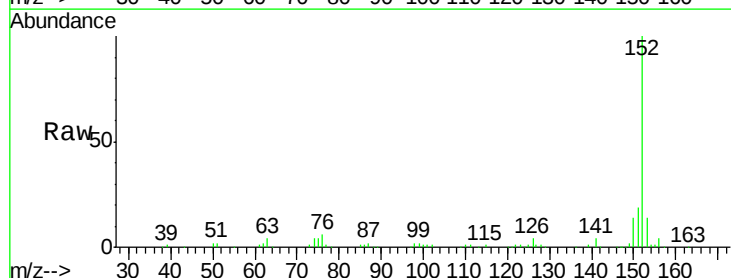


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

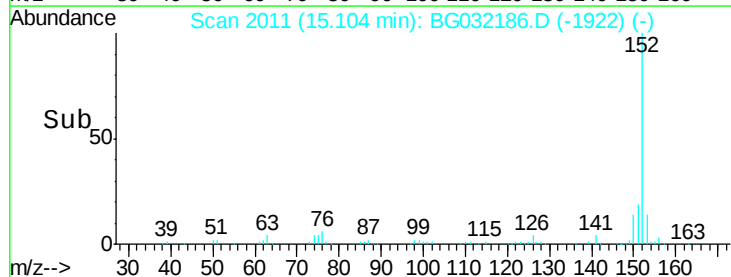
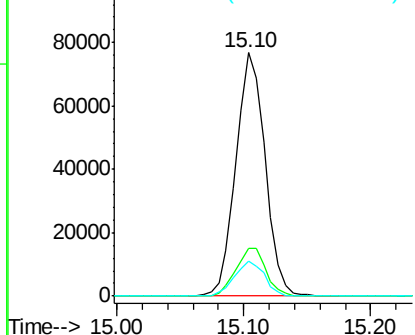


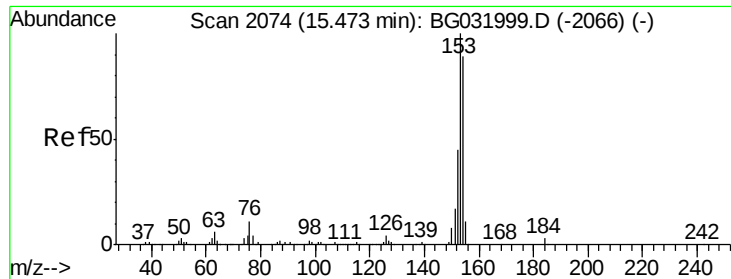
#48
 Acenaphthylene
 Concen: 9.814 ng
 RT: 15.10 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BG032186.D
 Acq: 20 Jan 2018 19:20

Tgt Ion:152 Resp: 122623
 Ion Ratio Lower Upper
 152 100
 151 19.4 17.2 25.8
 153 14.2 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 2.379 ng

RT: 15.44 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

Instrument :

BNA_G

ClientSampleId :

OWS-2

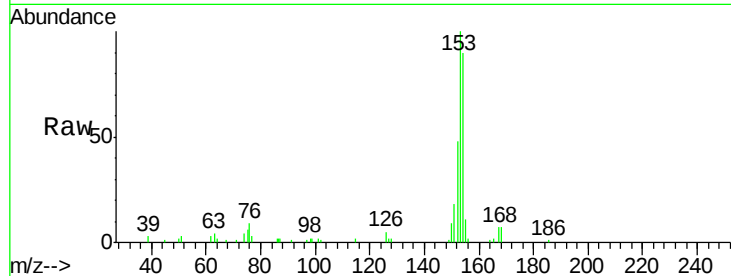
Tot Ion:154 Resp: 19652

Ion Ratio Lower Upper

154 100

153 111.1 90.4 135.6

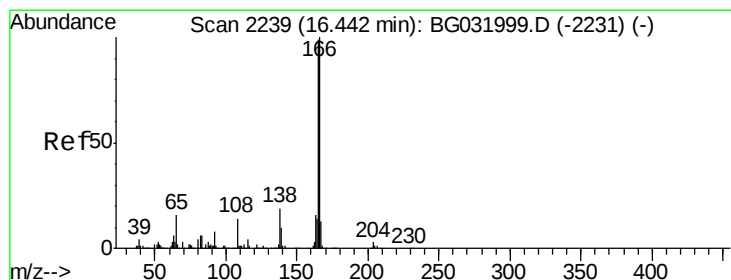
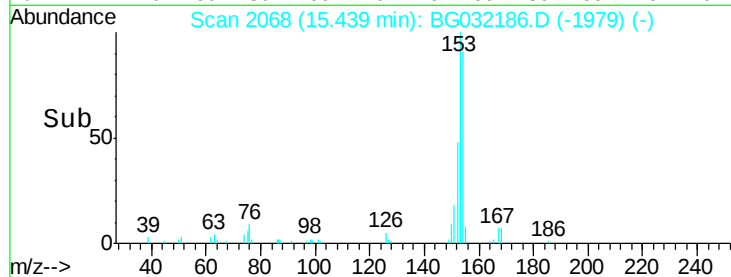
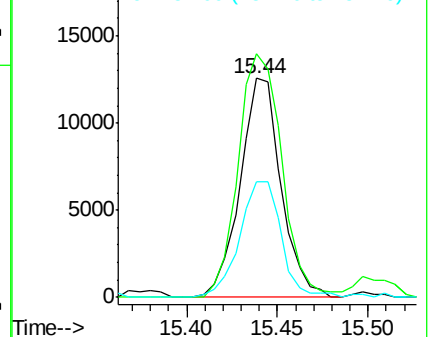
152 52.8 41.6 62.4



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: 6.814 ng

RT: 16.41 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

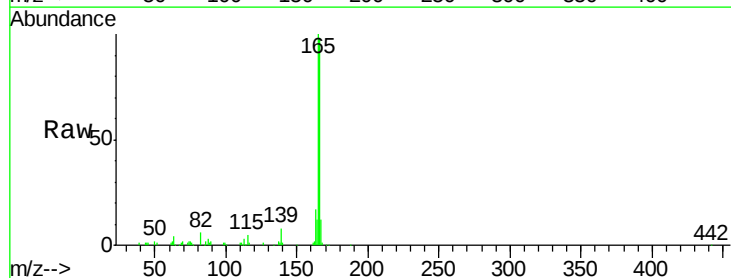
Tgt Ion:166 Resp: 68880

Ion Ratio Lower Upper

166 100

165 102.3 80.6 121.0

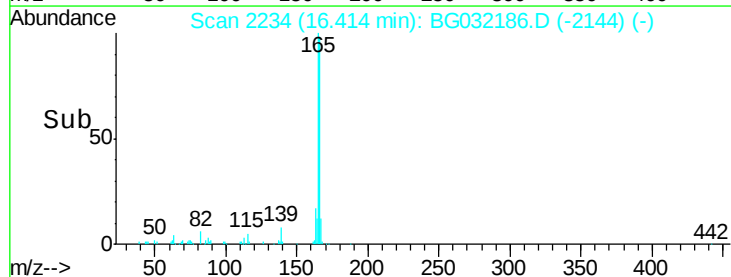
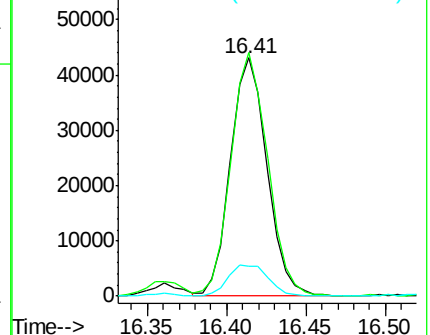
167 12.3 10.4 15.6

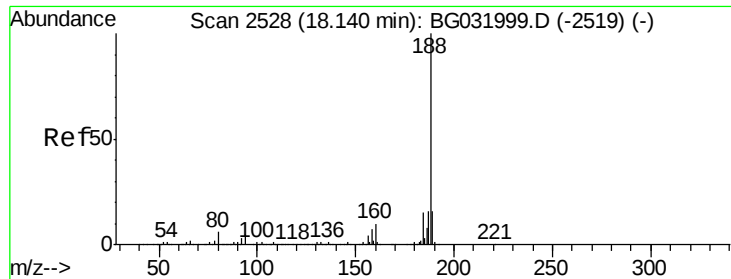


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

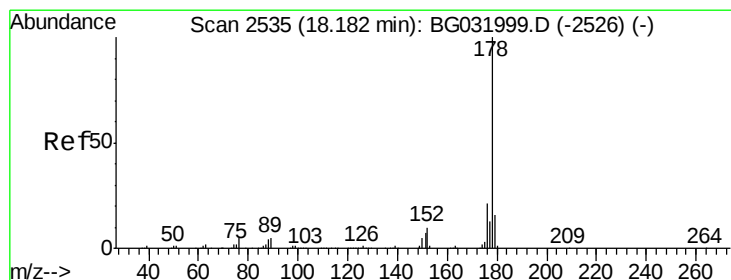
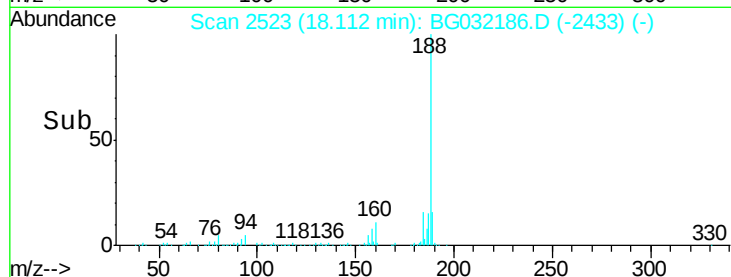
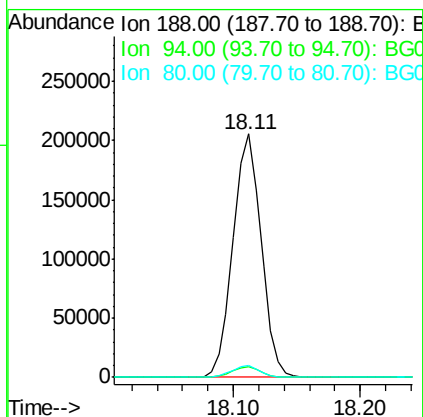
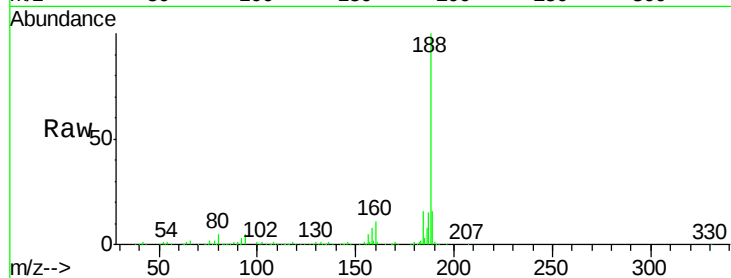




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

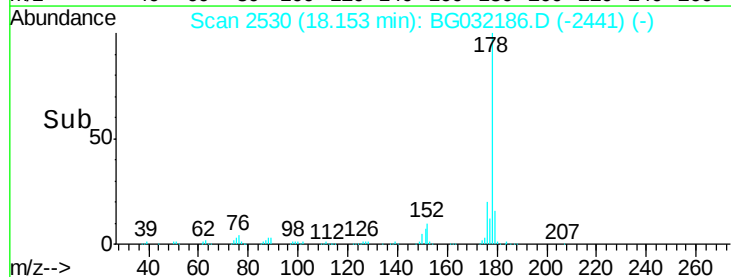
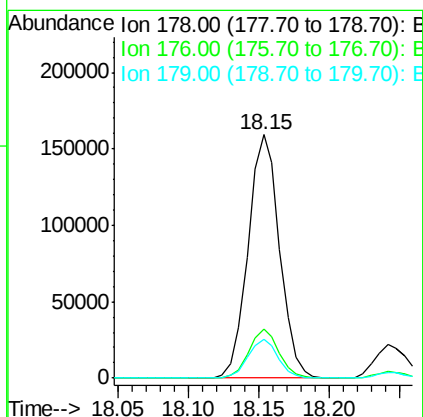
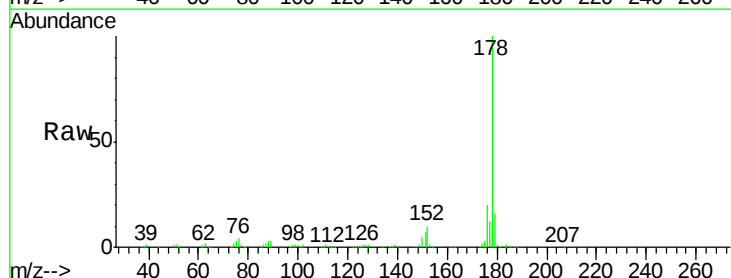
Instrument :
BNA_G
ClientSampled :
OWS-2

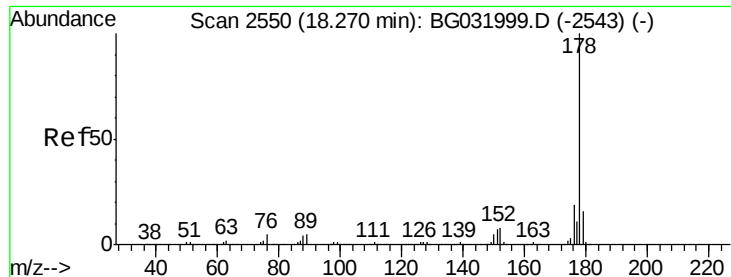
Tot Ion:188 Resp: 315611
Ion Ratio Lower Upper
188 100
94 4.6 6.9 10.3#
80 4.8 7.7 11.5#



#70
Phenanthrene
Concen: 14.143 ng
RT: 18.15 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BG032186.D
Acq: 20 Jan 2018 19:20

Tgt Ion:178 Resp: 248519
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.9 12.5 18.7





#71

Anthracene

Concen: 2.031 ng

RT: 18.24 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

Instrument :

BNA_G

ClientSampleId :

OWS-2

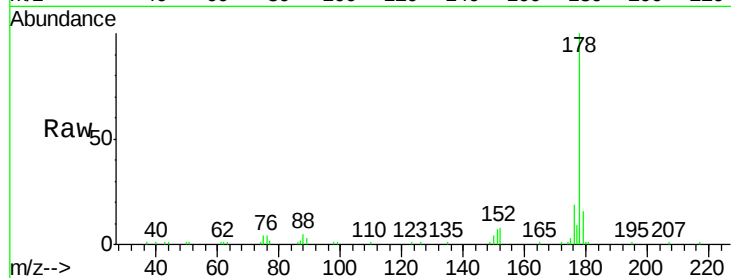
Tot Ion:178 Resp: 35594

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

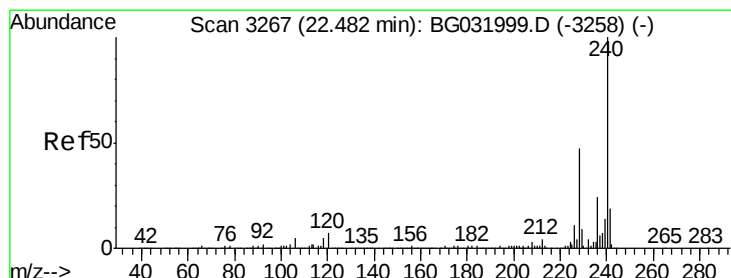
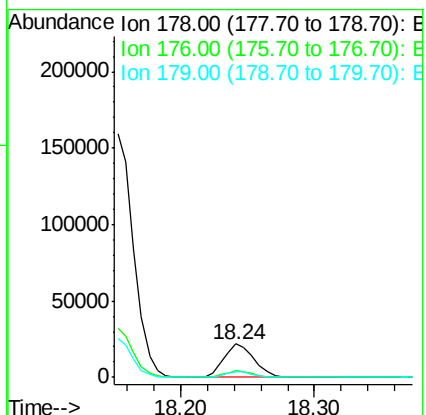
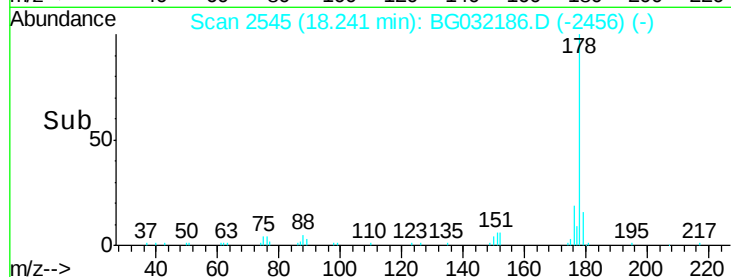
179 15.5 12.5 18.7



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

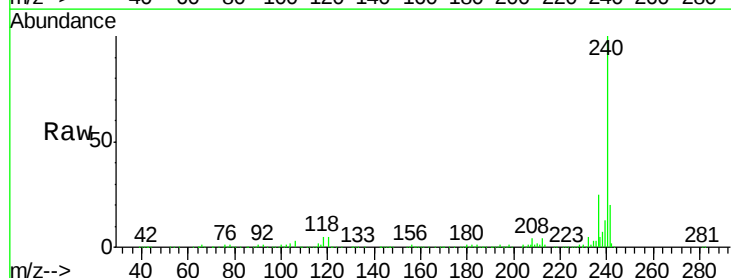
Tgt Ion:240 Resp: 428391

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

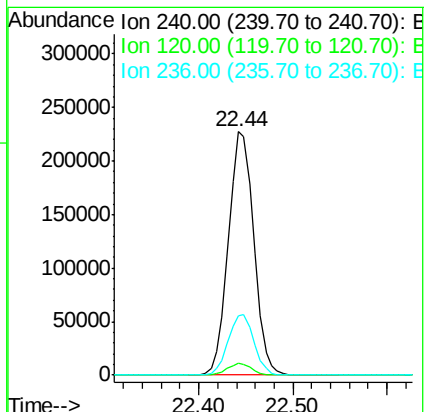
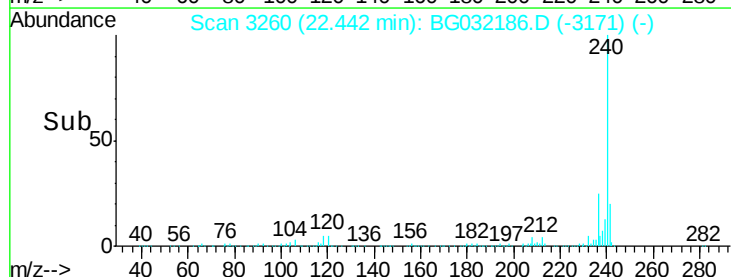
236 24.5 20.9 31.3

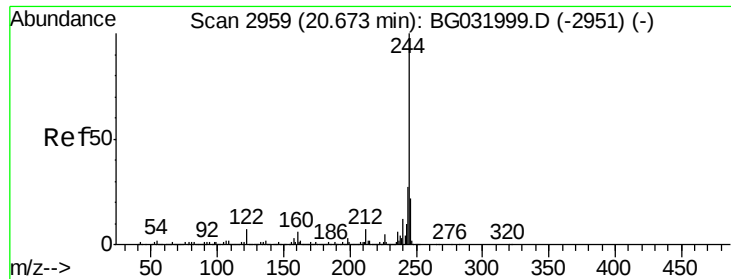


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.351 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

Instrument :

BNA_G

ClientSampleId :

OWS-2

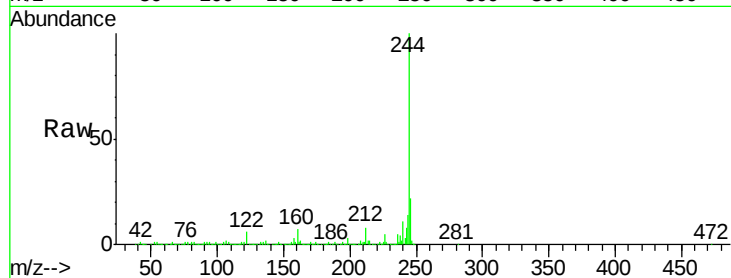
Tot Ion:244 Resp: 1655934

Ion Ratio Lower Upper

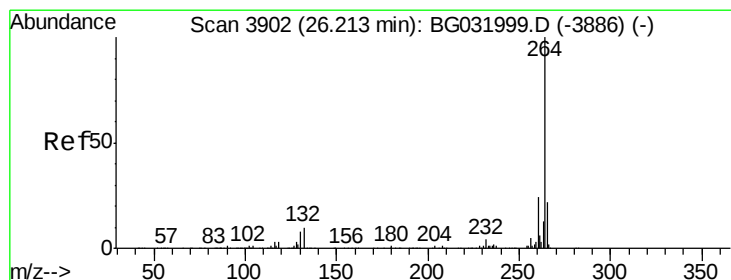
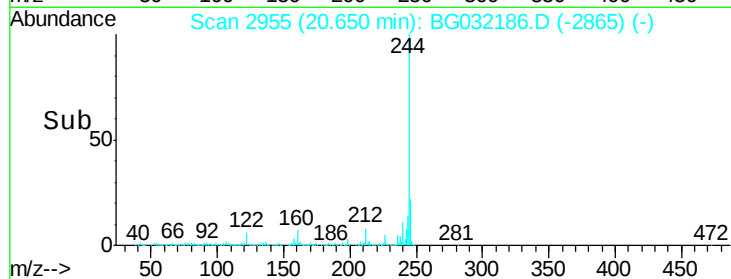
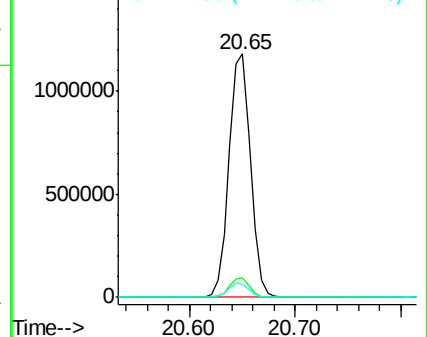
244 100

212 8.0 5.8 8.8

122 5.6 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: 26.15 min Scan# 3891

Delta R.T. -0.00 min

Lab File: BG032186.D

Acq: 20 Jan 2018 19:20

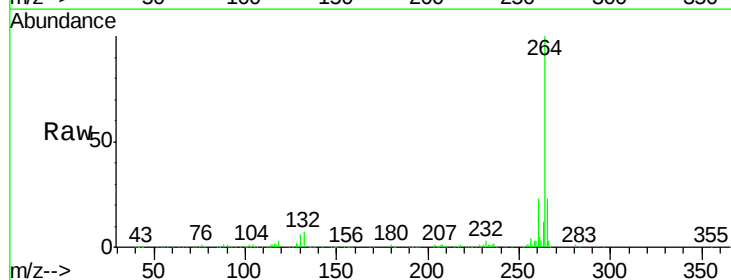
Tgt Ion:264 Resp: 448848

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 23.4 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

