

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060916\
 Data File : BG022268.D
 Acq On : 9 Jun 2016 14:33
 Operator : UM/SJ
 Sample : H3402-15 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Quant Time: Jun 09 15:57:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

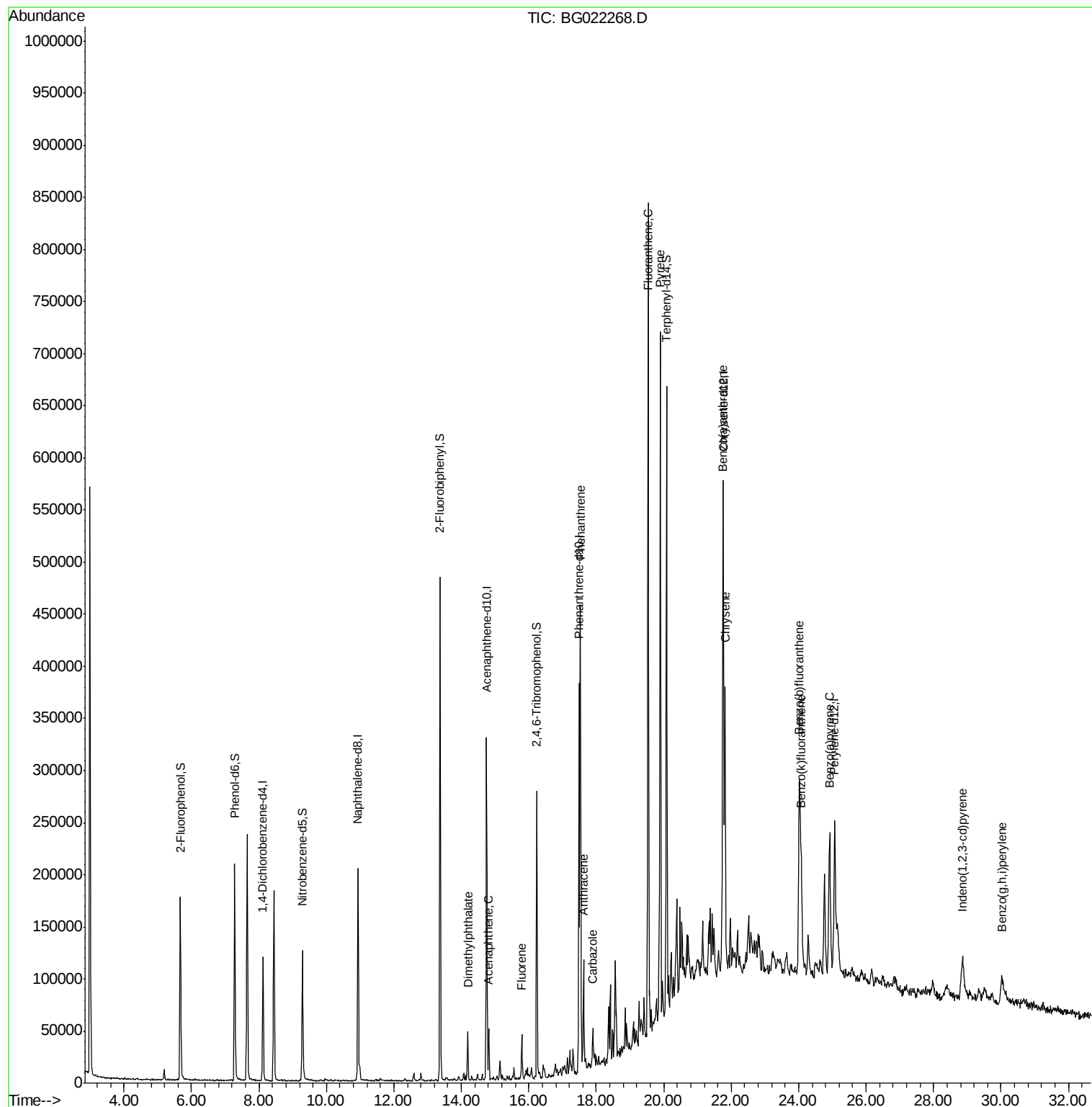
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	43743	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	225570	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	125783	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	239814	20.00	ng	0.00
75) Chrysene-d12	21.77	240	195552	20.00	ng	0.00
86) Perylene-d12	25.06	264	189665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	121544	53.72	ng	0.00
7) Phenol-d6	7.28	99	187563	52.73	ng	0.00
23) Nitrobenzene-d5	9.29	82	103050	31.85	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	58057	40.85	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	294055	35.63	ng	0.00
78) Terphenyl-d14	20.08	244	282879	34.34	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.19	163	38736	3.71	ng	99
51) Acenaphthene	14.81	154	20849	2.73	ng	96
57) Fluorene	15.79	166	23346	2.28	ng	98
70) Phenanthrene	17.53	178	306862	23.56	ng	98
71) Anthracene	17.63	178	85677	6.63	ng	99
72) Carbazole	17.90	167	29654	2.42	ng	94
74) Fluoranthene	19.54	202	495390	33.08	ng	97
77) Pyrene	19.90	202	437798	36.01	ng	99
80) Benzo(a)anthracene	21.75	228	229866	20.96	ng	98
82) Chrysene	21.82	228	192146	18.01	ng	96
85) Indeno(1,2,3-cd)pyrene	28.85	276	97933m	8.18	ng	
87) Benzo(b)fluoranthene	24.02	252	258383	23.36	ng	# 96
88) Benzo(k)fluoranthene	24.08	252	89227m	8.19	ng	
89) Benzo(a)pyrene	24.91	252	167988	15.88	ng	# 94
91) Benzo(a,h,i)perylene	30.04	276	89908m	8.68	ng	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

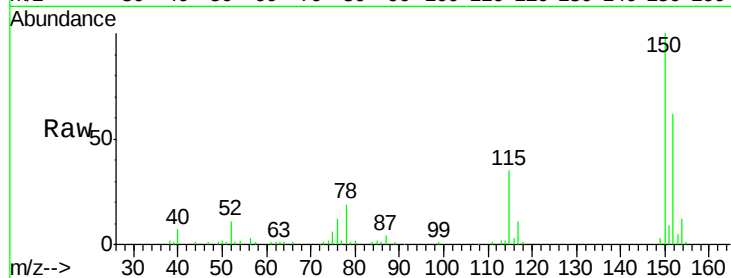
Tot Ion:152 Resp: 43743

Ion Ratio Lower Upper

152 100

150 160.8 130.1 195.1

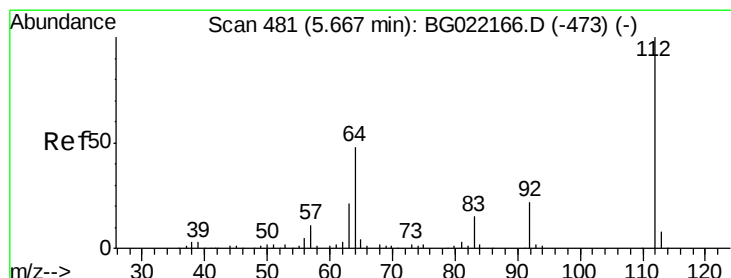
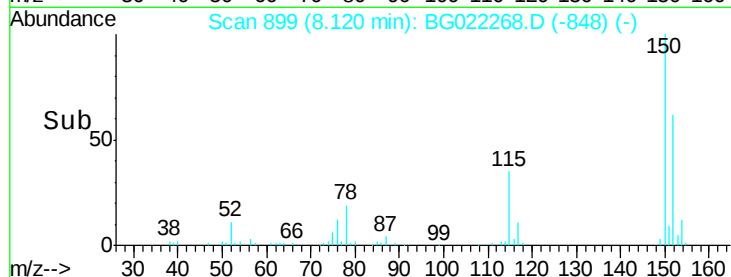
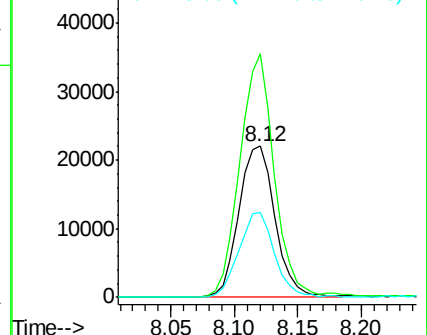
115 56.2 62.2 93.2#



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: 53.72 ng

RT: 5.67 min Scan# 482

Delta R.T. 0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

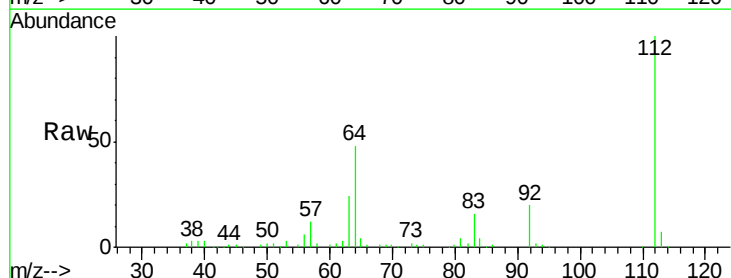
Tgt Ion:112 Resp: 121544

Ion Ratio Lower Upper

112 100

64 47.5 51.1 76.7#

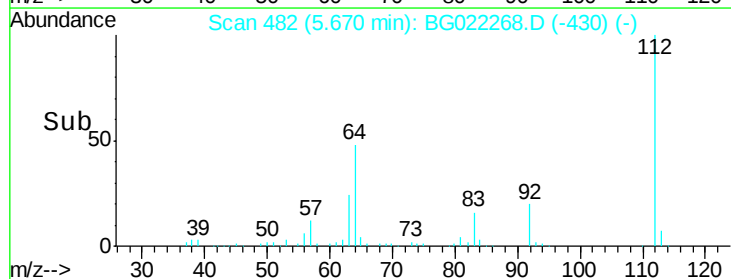
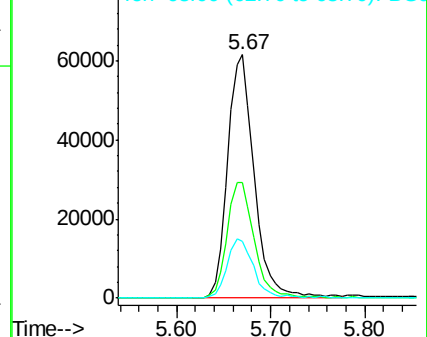
63 23.5 24.6 37.0#

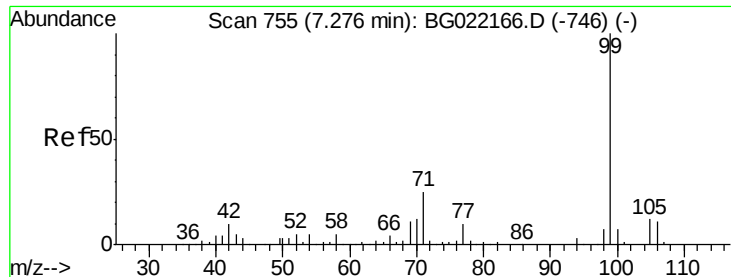


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 52.73 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

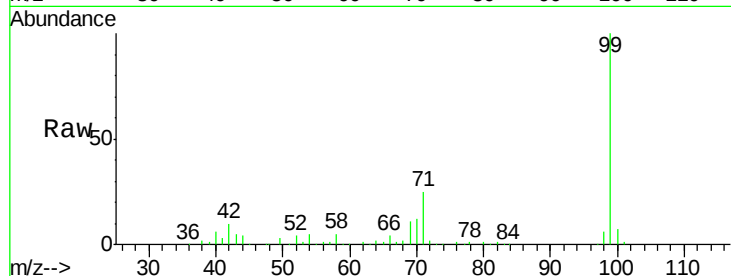
BNA_G

ClientSampleId :

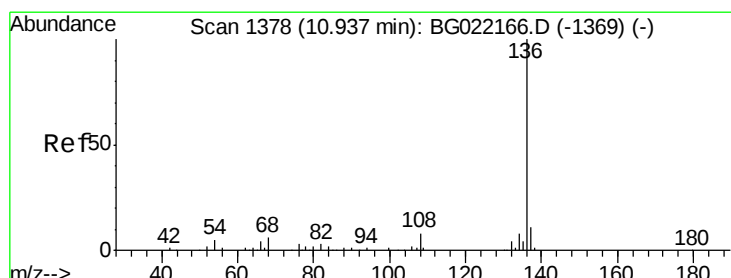
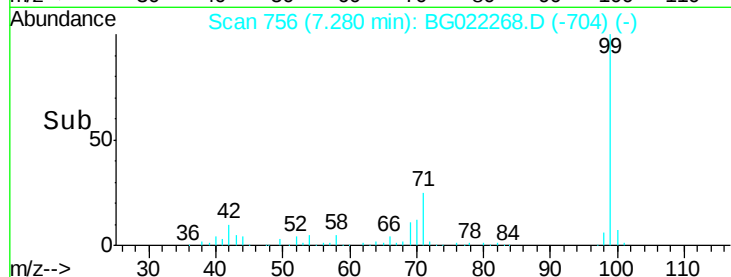
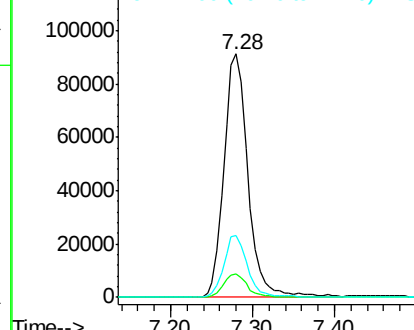
SS-48

Tot Ion: 99 Resp: 187563

Ion	Ratio	Lower	Upper
99	100		
42	9.6	16.4	24.6#
71	25.2	25.0	37.4



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: 20.00 ng

RT: 10.93 min Scan# 1378

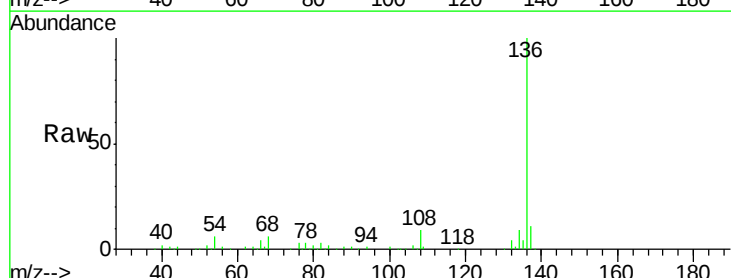
Delta R.T. -0.00 min

Lab File: BG022268.D

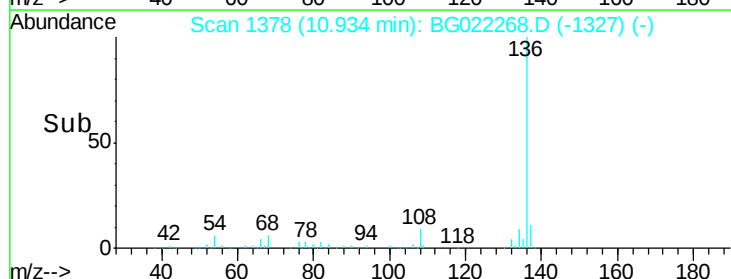
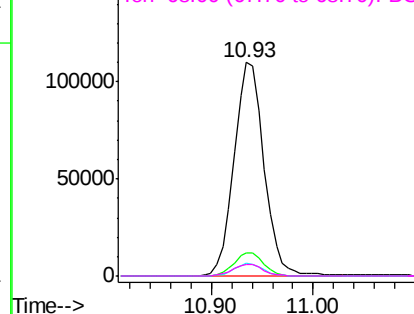
Acq: 9 Jun 2016 14:33

Tgt Ion: 136 Resp: 225570

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.0	9.6	14.4#
68	5.6	6.4	9.6#



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

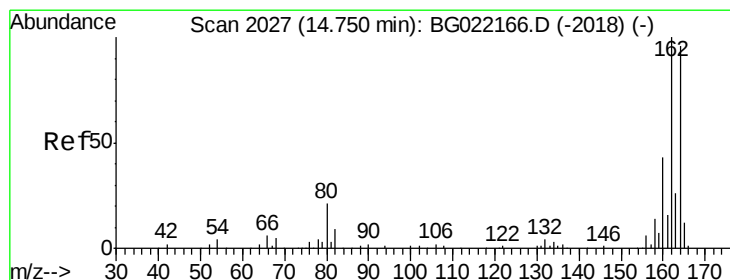
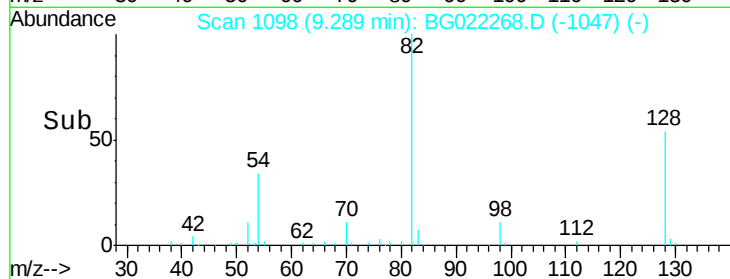
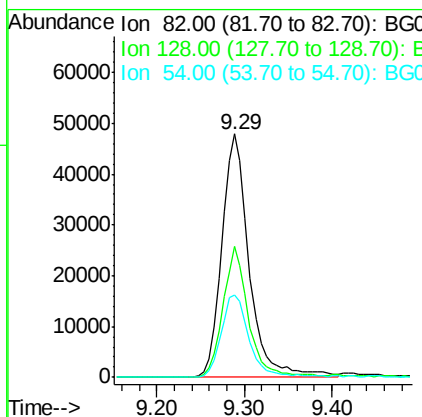
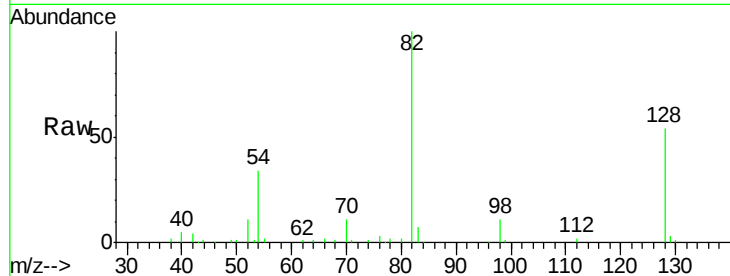




#23
 Nitrobenzene-d5
 Concen: 31.85 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

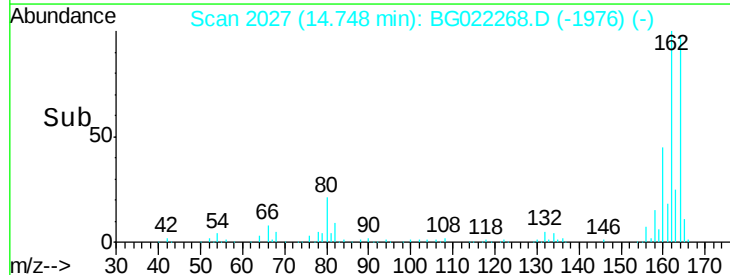
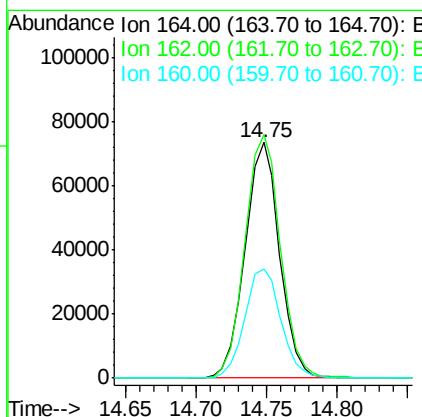
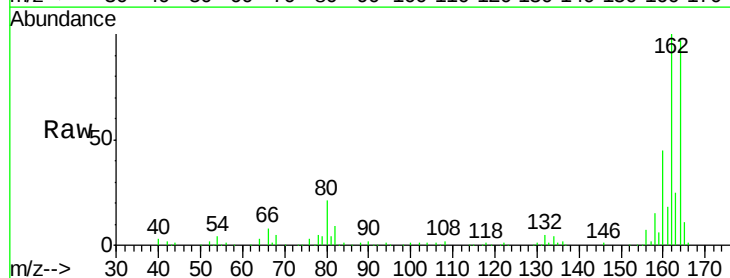
Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Tot Ion: 82 Resp: 103050
 Ion Ratio Lower Upper
 82 100
 128 53.8 33.4 50.0#
 54 34.0 46.1 69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion:164 Resp: 125783
 Ion Ratio Lower Upper
 164 100
 162 103.4 78.0 117.0
 160 46.2 32.9 49.3

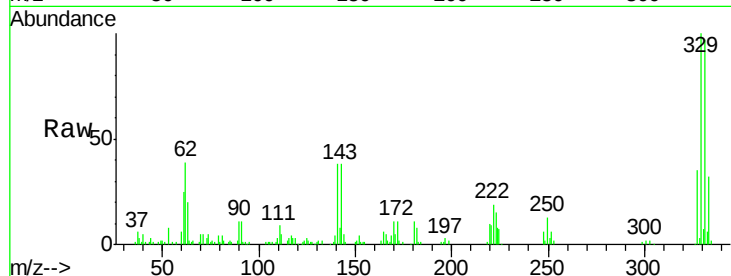




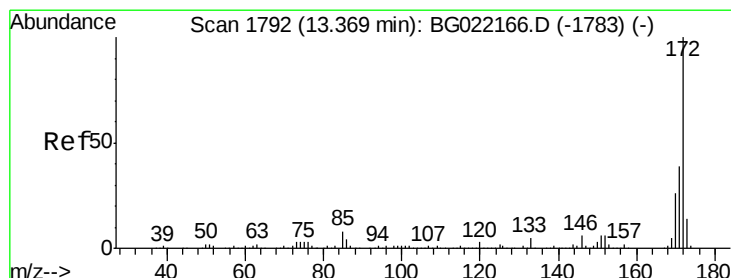
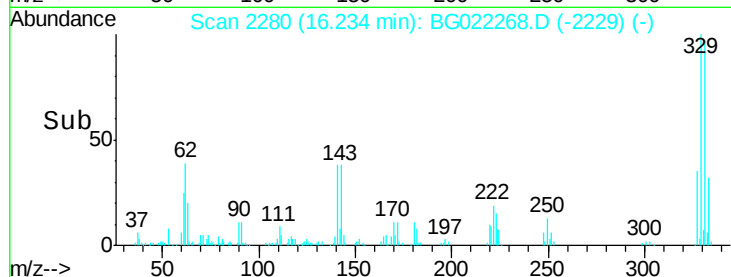
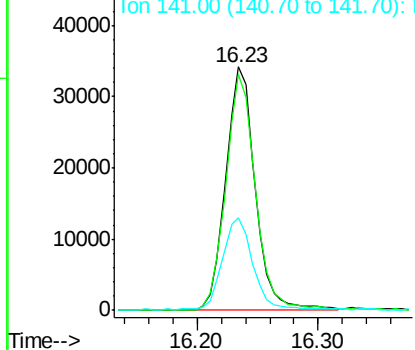
#41
 2,4,6-Tribromophenol
 Concen: 40.85 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	40.2	33.8	50.8

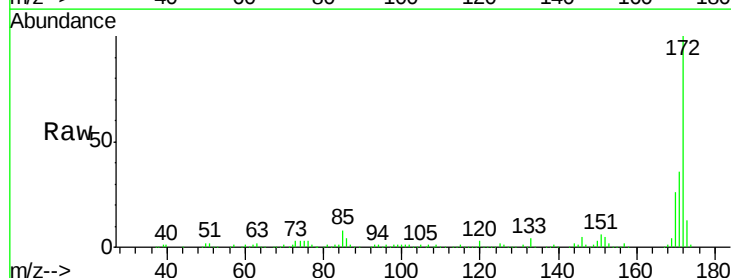


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

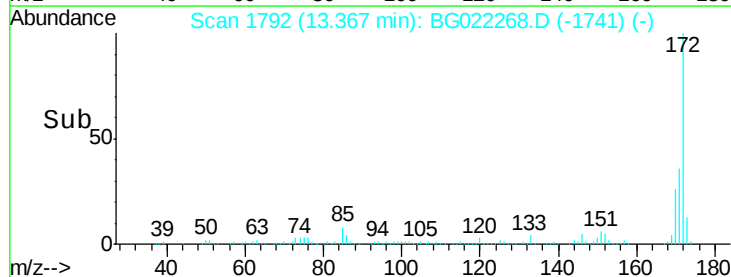
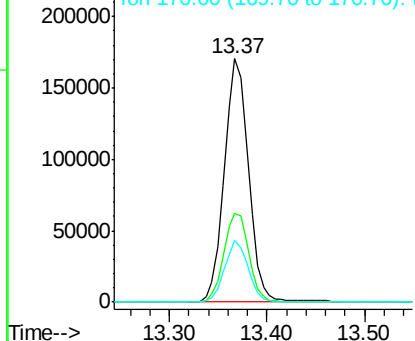


#44
 2-Fluorobiphenyl
 Concen: 35.63 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	27.8	41.6
170	25.6	19.6	29.4



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

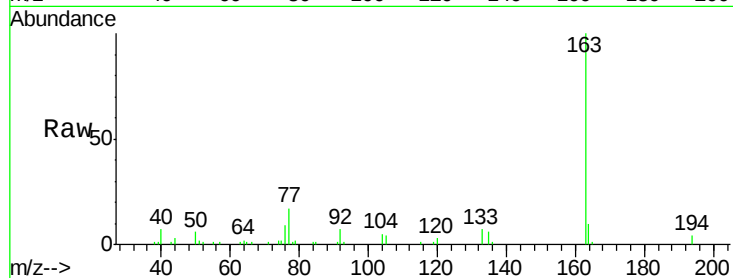




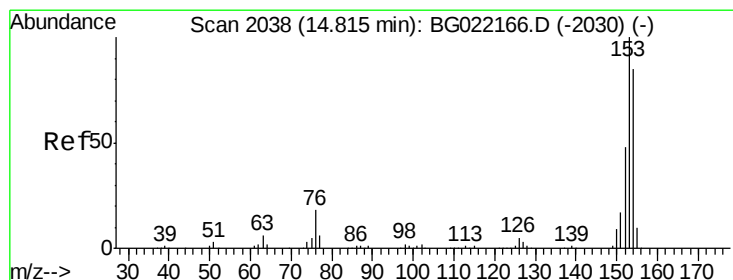
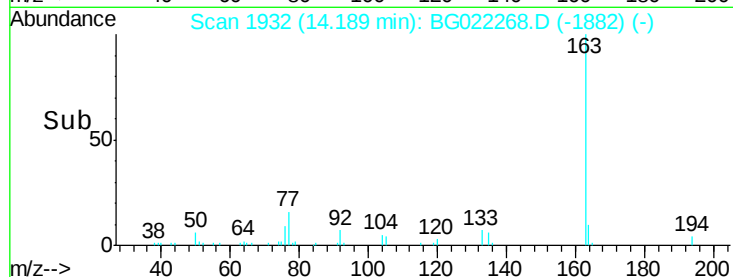
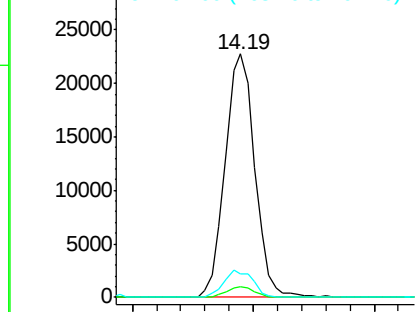
#49
Dimethylphthalate
Concen: 3.71 ng
RT: 14.19 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Instrument :
BNA_G
ClientSampleId :
SS-48

Tot Ion:163 Resp: 38736
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 9.8 8.1 12.1

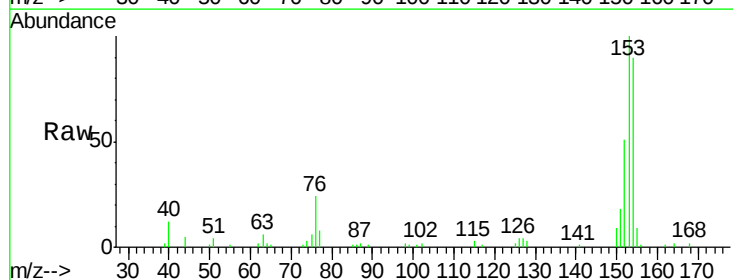


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

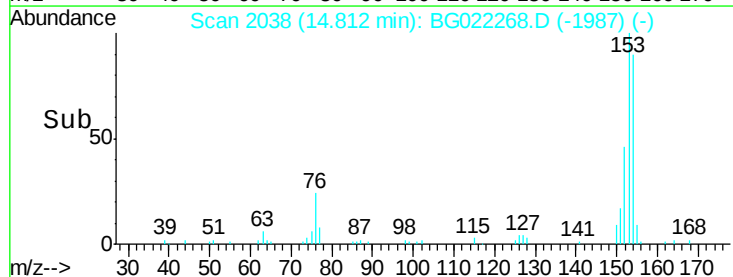
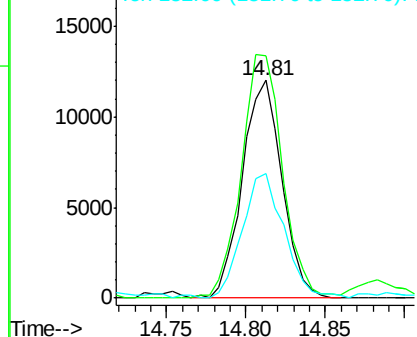


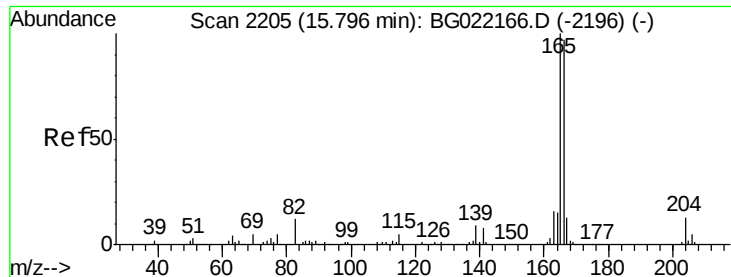
#51
Acenaphthene
Concen: 2.73 ng
RT: 14.81 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion:154 Resp: 20849
Ion Ratio Lower Upper
154 100
153 111.1 91.9 137.9
152 57.0 42.0 63.0



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

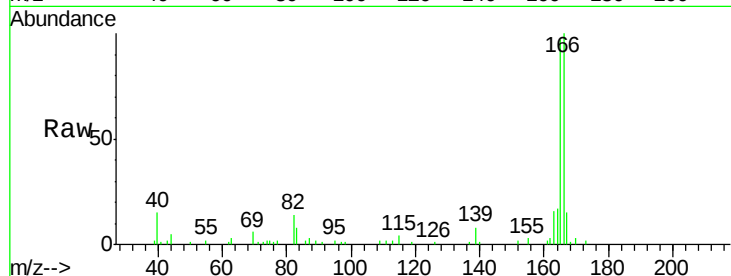




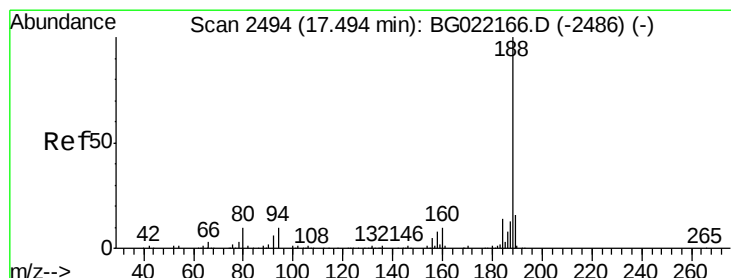
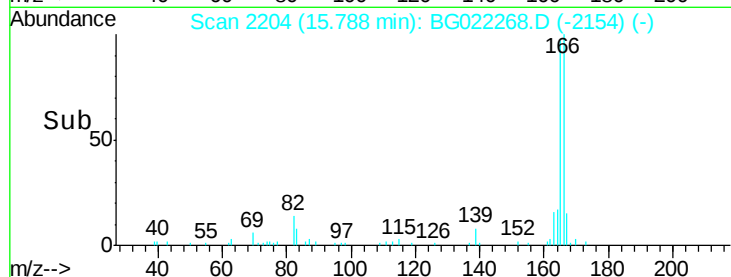
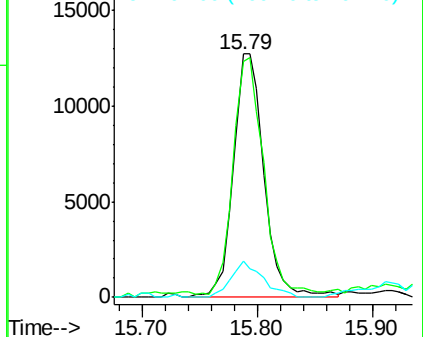
#57
Fluorene
 Concen: 2.28 ng
 RT: 15.79 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Tot Ion:166 Resp: 23346
 Ion Ratio Lower Upper
 166 100
 165 96.7 79.0 118.4
 167 15.1 10.7 16.1

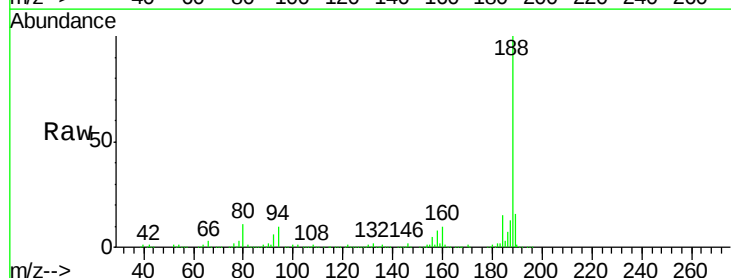


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

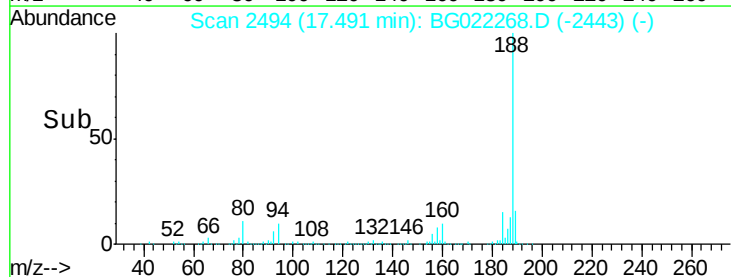
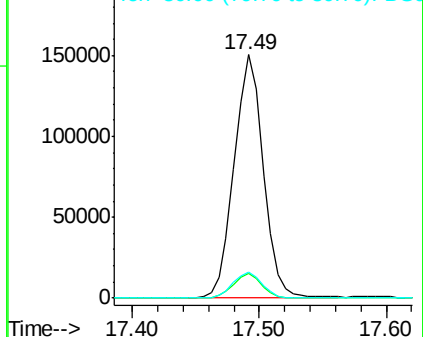


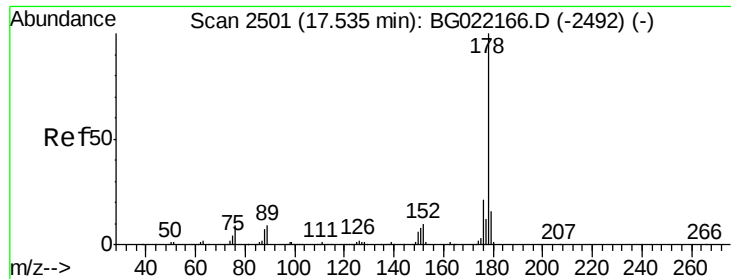
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Tgt Ion:188 Resp: 239814
 Ion Ratio Lower Upper
 188 100
 94 10.1 7.5 11.3
 80 10.6 8.6 13.0



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

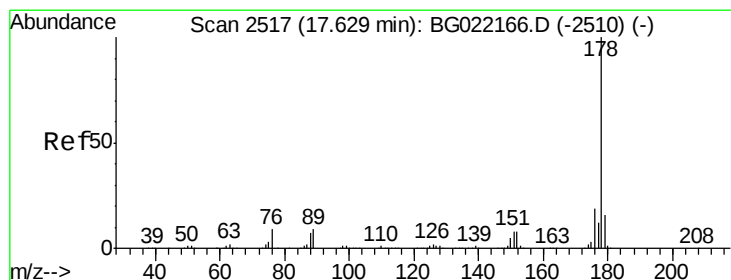
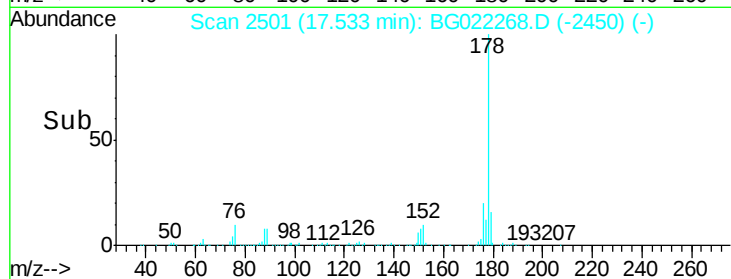
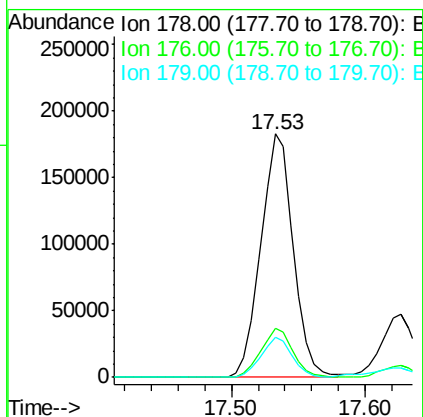
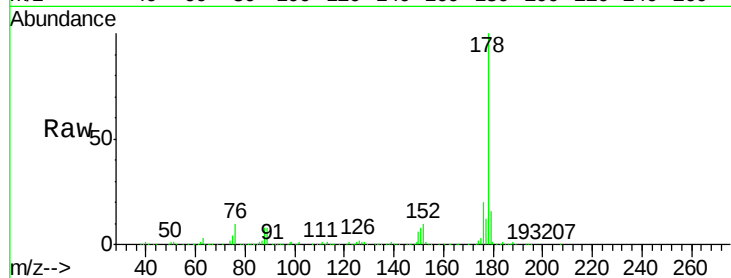




#70
Phenanthrene
Concen: 23.56 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

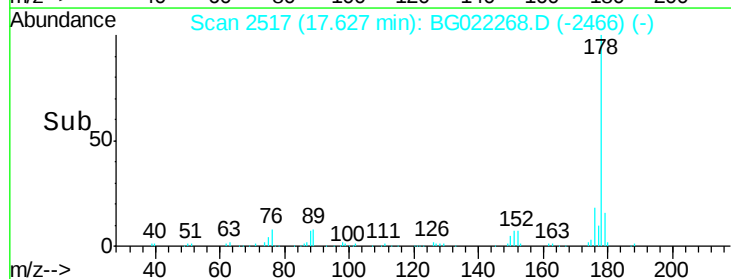
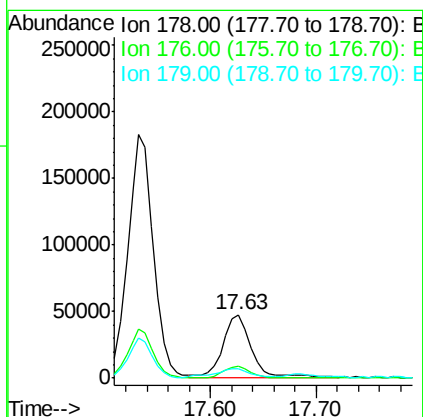
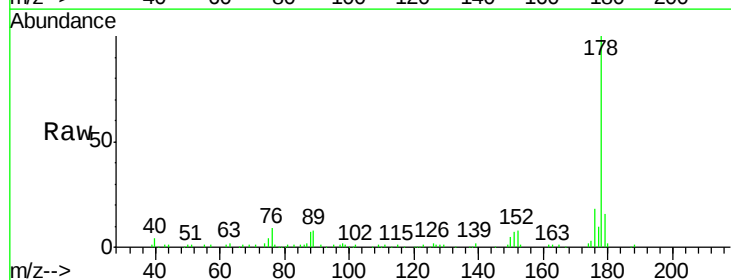
Instrument :
BNA_G
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SS-48

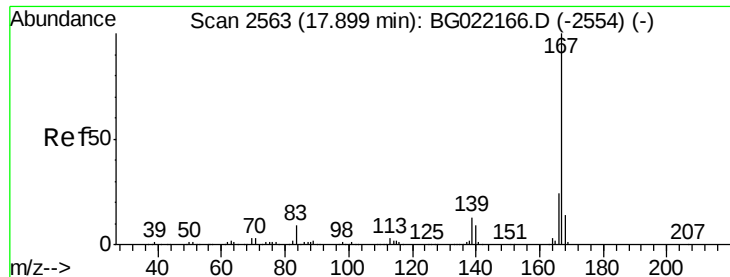
Tot Ion:178 Resp: 306862
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 16.2 12.0 18.0



#71
Anthracene
Concen: 6.63 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion:178 Resp: 85677
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.6 12.2 18.4





#72

Carbazole

Concen: 2.42 ng

RT: 17.90 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

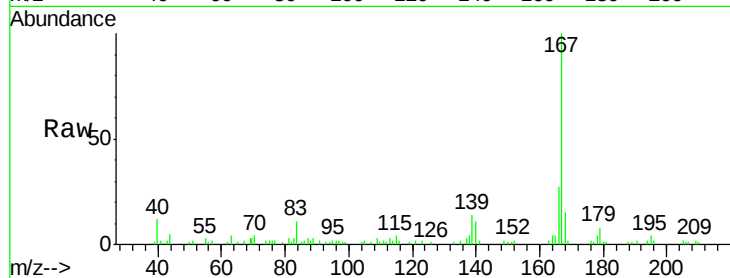
Tot Ion:167 Resp: 29654

Ion Ratio Lower Upper

167 100

166 27.0 18.6 27.8

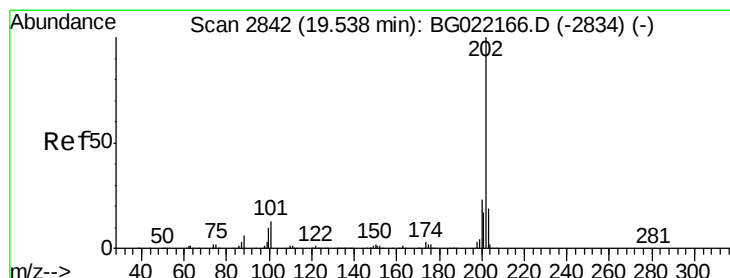
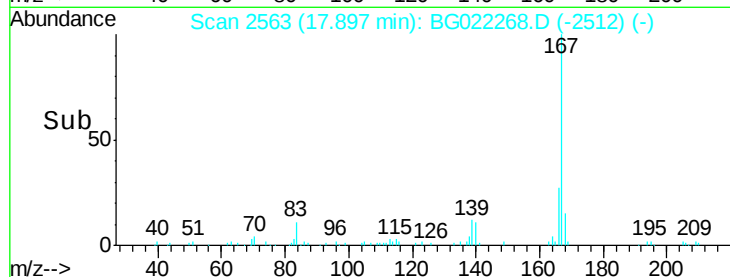
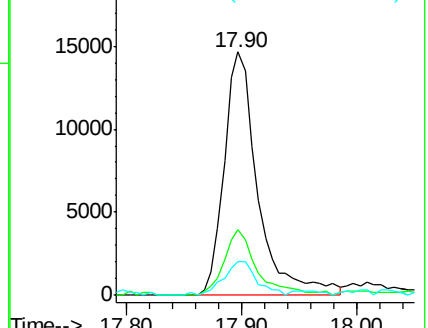
139 13.8 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 33.08 ng

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

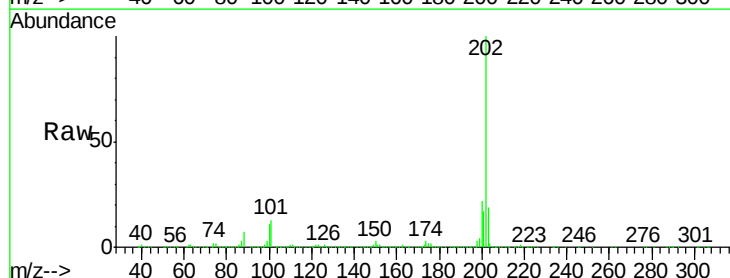
Tgt Ion:202 Resp: 495390

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.0

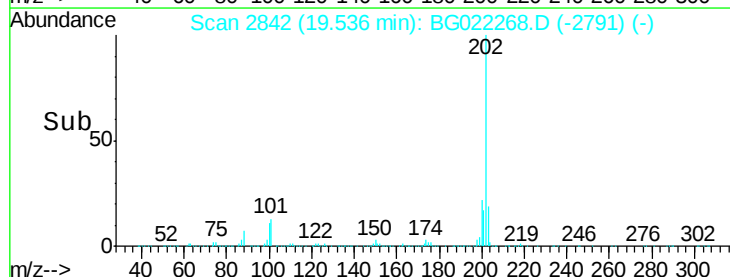
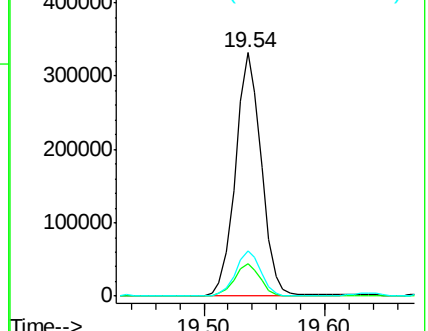
203 18.7 0.0 37.9

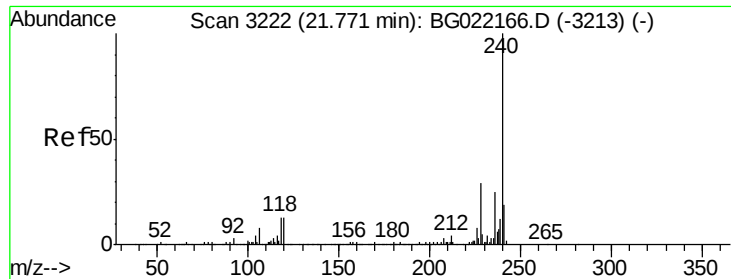


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampled :

SS-48

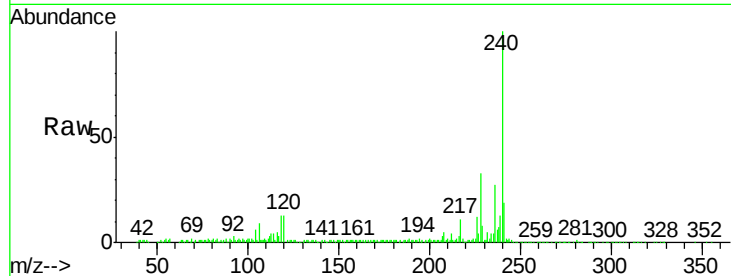
Tot Ion:240 Resp: 195552

Ion Ratio Lower Upper

240 100

120 13.2 8.4 12.6#

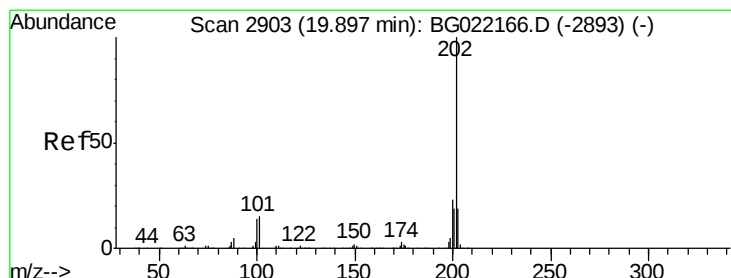
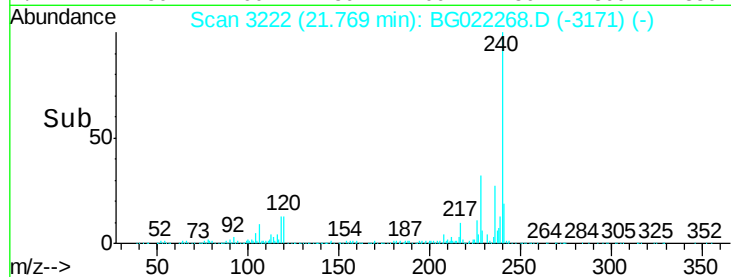
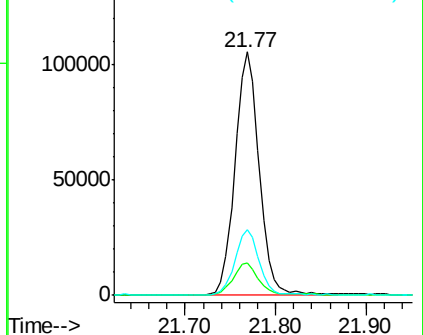
236 27.1 19.6 29.4



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



#77

Pyrene

Concen: 36.01 ng

RT: 19.90 min Scan# 2904

Delta R.T. 0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

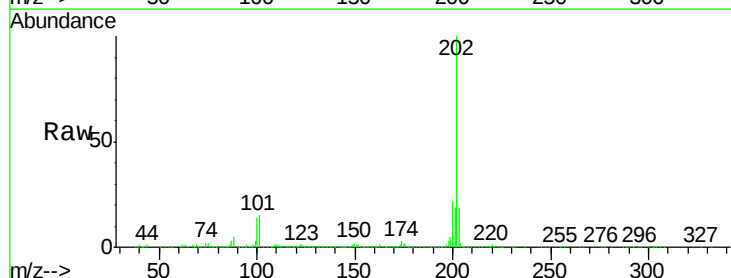
Tgt Ion:202 Resp: 437798

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

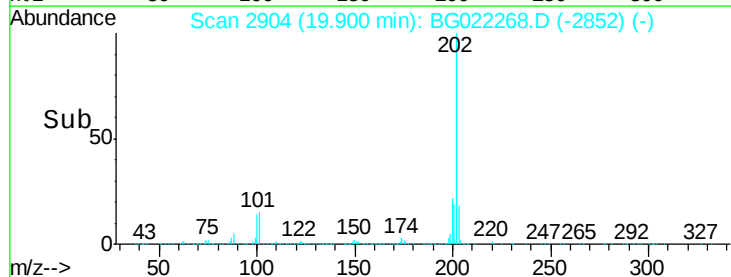
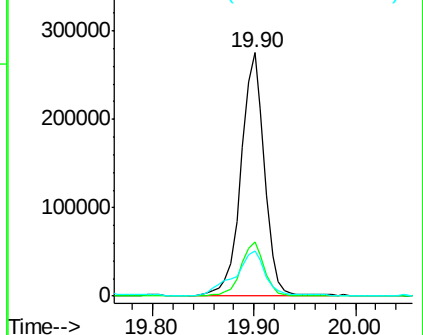
203 18.5 15.0 22.4

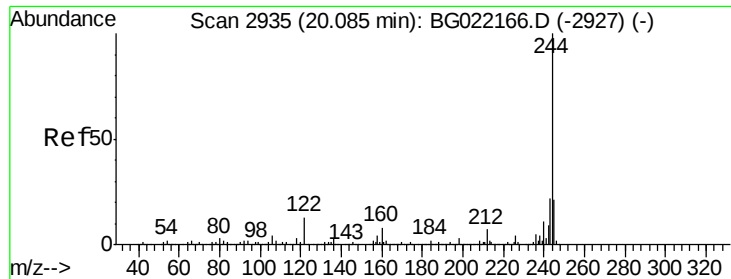


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.34 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampled :

SS-48

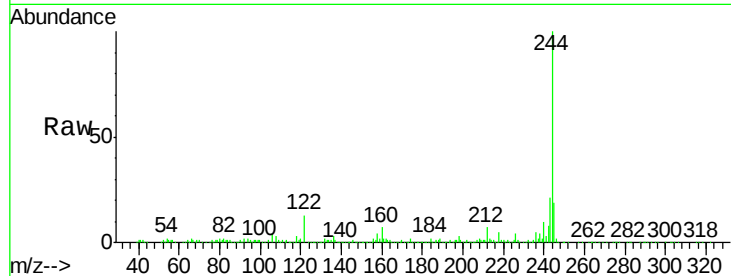
Tot Ion:244 Resp: 282879

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 12.7 8.6 12.8



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

250000

200000

150000

100000

50000

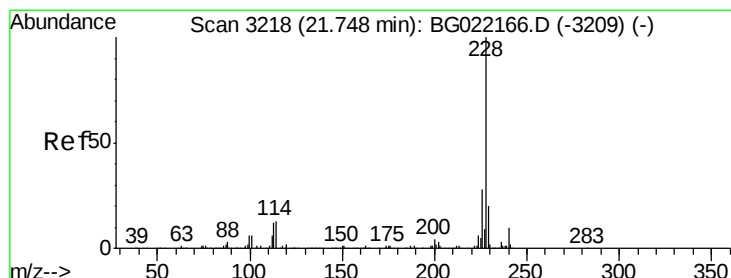
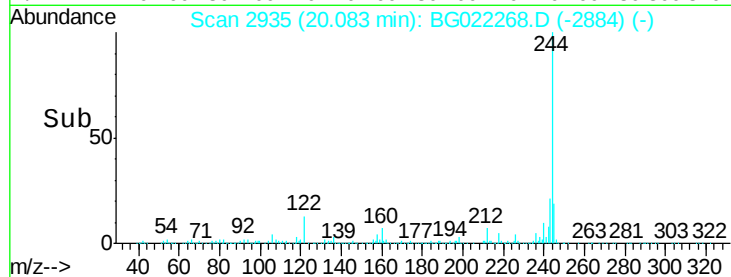
0

20.08

20.10

20.20

Time-->



#80

Benzo(a)anthracene

Concen: 20.96 ng

RT: 21.75 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

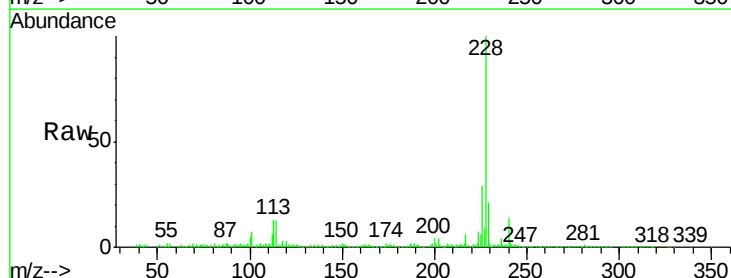
Tgt Ion:228 Resp: 229866

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

229 21.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

150000

100000

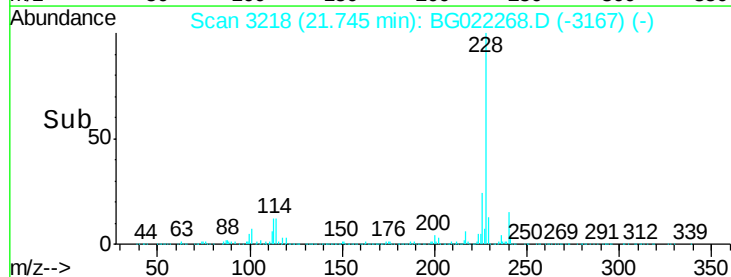
50000

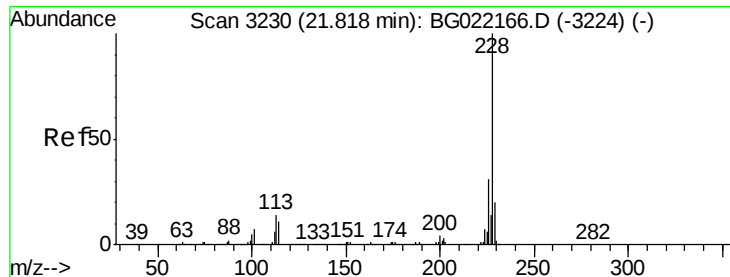
0

21.75

21.80

Time-->





#82

Chrysene

Concen: 18.01 ng

RT: 21.82 min Scan# 3230

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

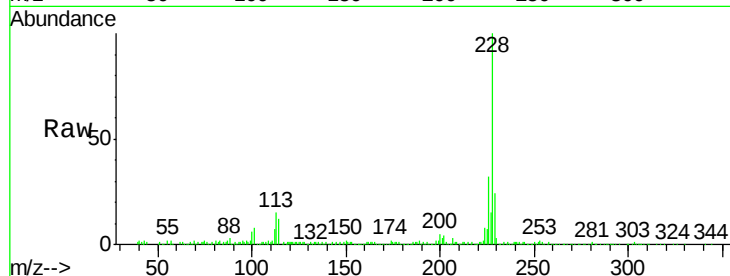
Tot Ion:228 Resp: 192146

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

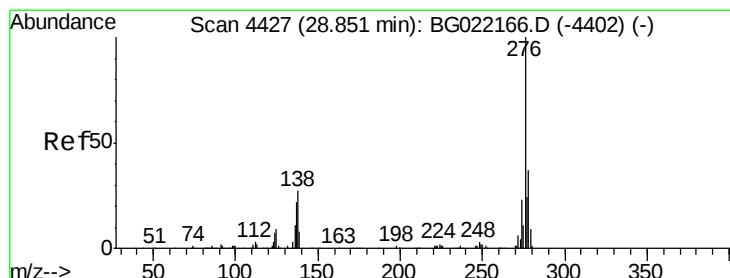
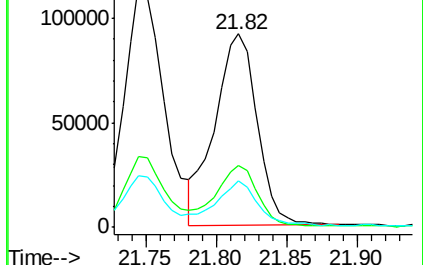
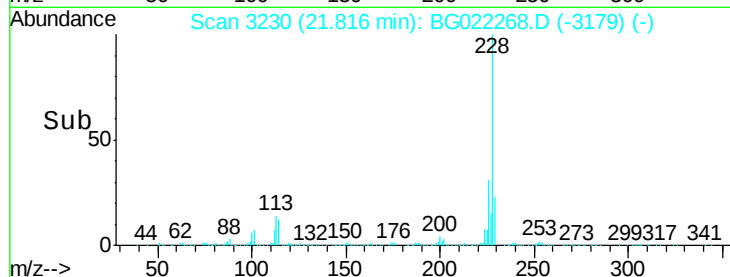
229 23.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.18 ng m

RT: 28.85 min Scan# 4428

Delta R.T. 0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

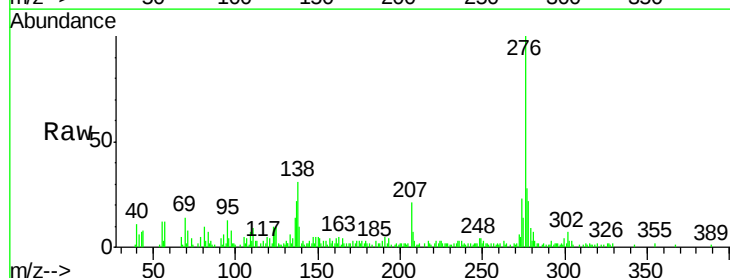
Tgt Ion:276 Resp: 97933

Ion Ratio Lower Upper

276 100

138 12.9 14.0 21.0#

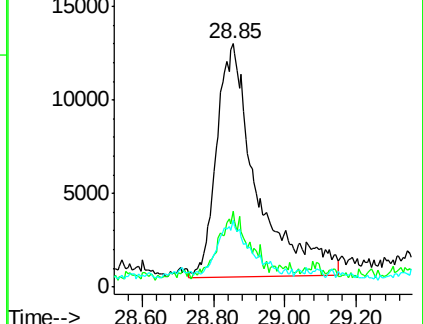
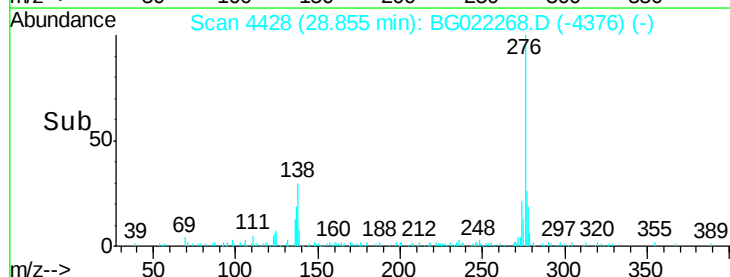
277 15.9 20.6 30.8#

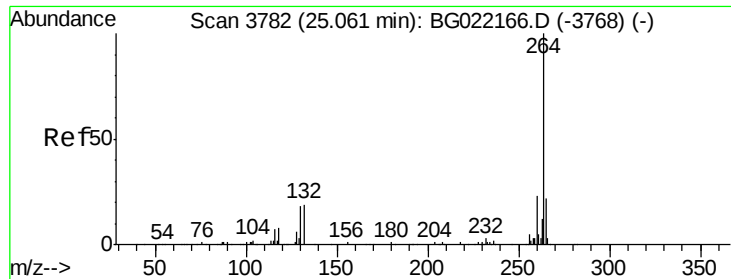


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



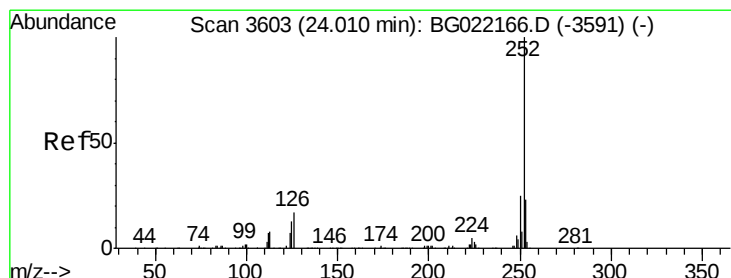
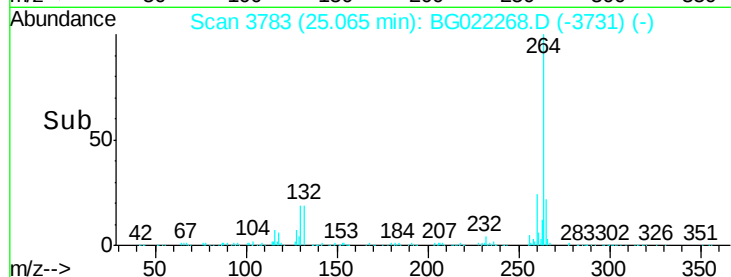
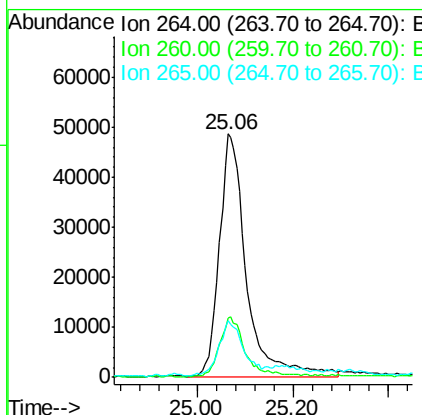
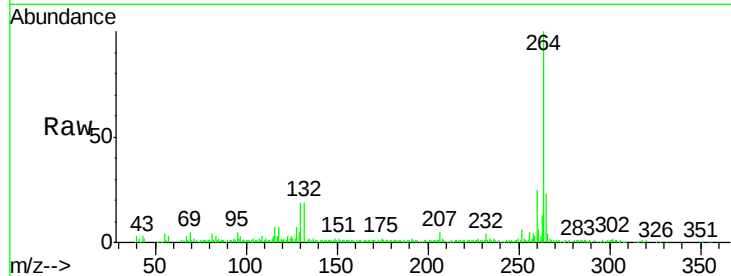


#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3783
Delta R.T. 0.00 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Instrument :
BNA_G
ClientSampleId :
SS-48

Tot Ion:264 Resp: 189665

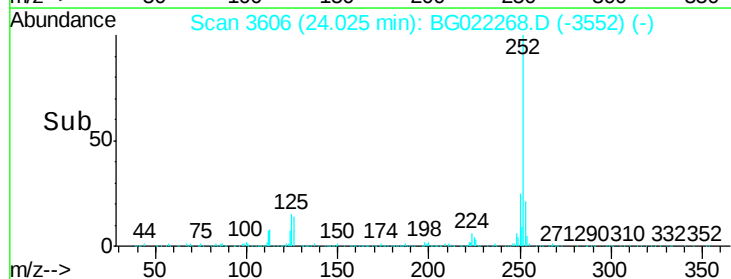
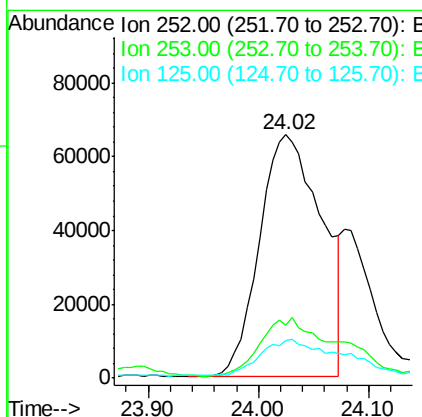
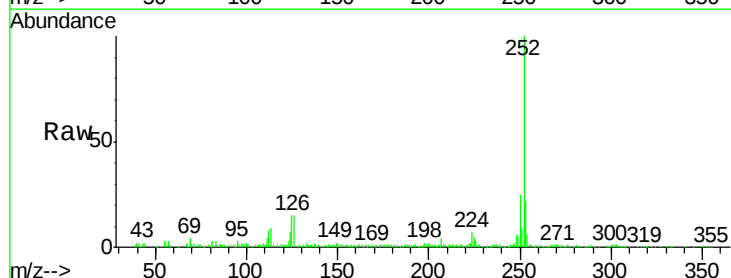
Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.4
265	23.1	17.8	26.8

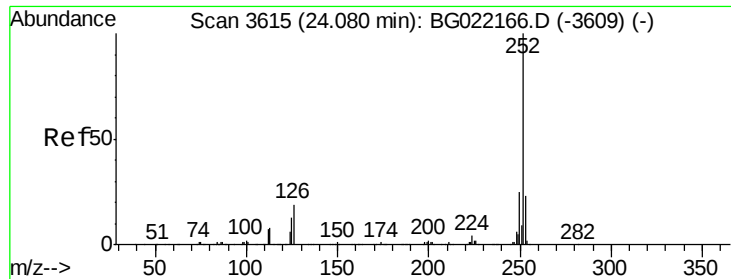


#87
Benzo(b)fluoranthene
Concen: 23.36 ng
RT: 24.02 min Scan# 3606
Delta R.T. 0.02 min
Lab File: BG022268.D
Acq: 9 Jun 2016 14:33

Tgt Ion:252 Resp: 258383

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	15.3	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 8.19 ng/mL

RT: 24.08 min Scan# 3615

Delta R.T. -0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

Instrument :

BNA_G

ClientSampleId :

SS-48

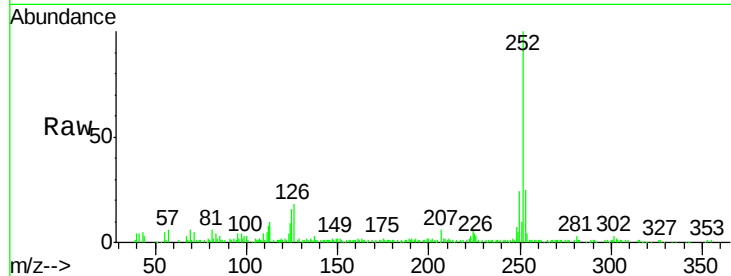
Tot Ion:252 Resp: 89227

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

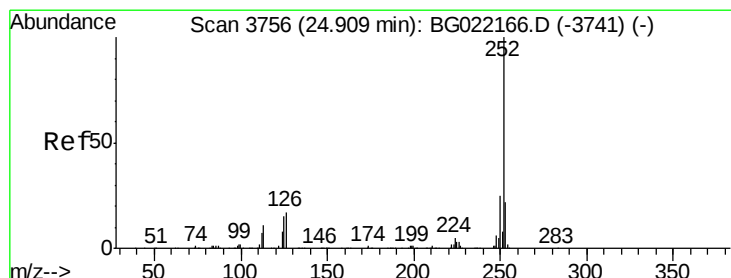
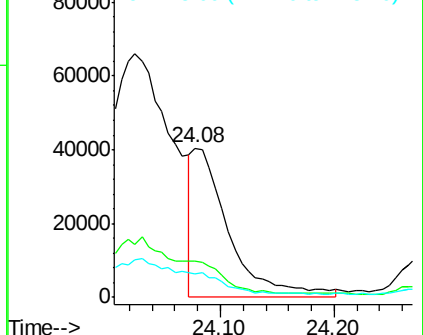
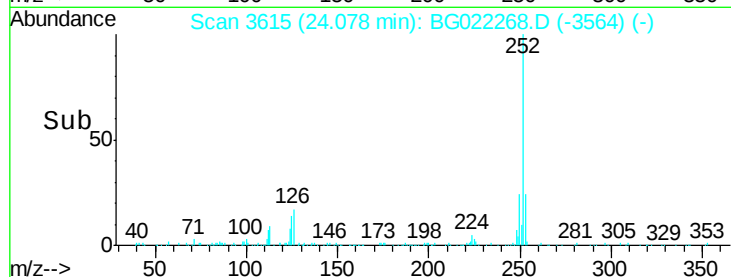
125 15.6 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 15.88 ng/mL

RT: 24.91 min Scan# 3757

Delta R.T. 0.00 min

Lab File: BG022268.D

Acq: 9 Jun 2016 14:33

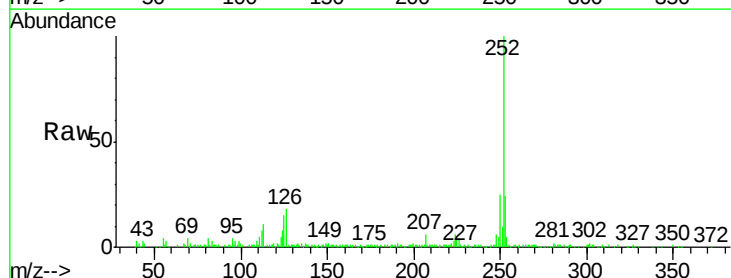
Tgt Ion:252 Resp: 167988

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

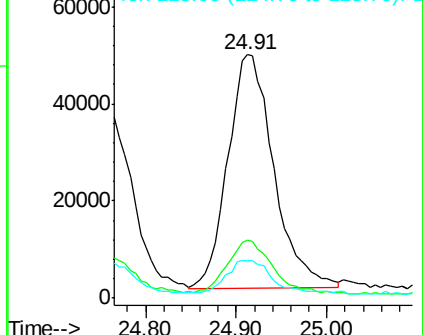
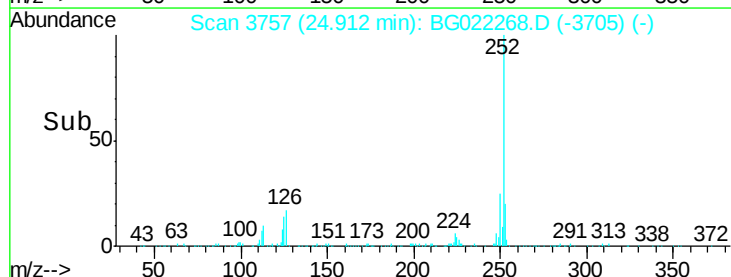
125 15.4 9.6 14.4#

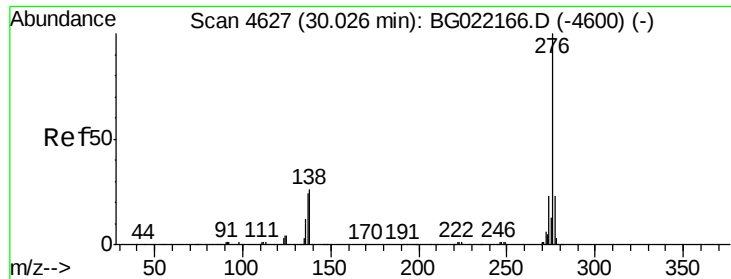


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 8.68 ng/ml
 RT: 30.04 min Scan# 4630
 Delta R.T. 0.02 min
 Lab File: BG022268.D
 Acq: 9 Jun 2016 14:33

Instrument :
 BNA_G
 ClientSampleId :
 SS-48

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.4	29.2
138	34.5	17.4	26.0

