

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061616\
 Data File : BG022387.D
 Acq On : 17 Jun 2016 5:00
 Operator : UM/SJ
 Sample : H3569-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-COMP

Quant Time: Jun 17 07:27:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

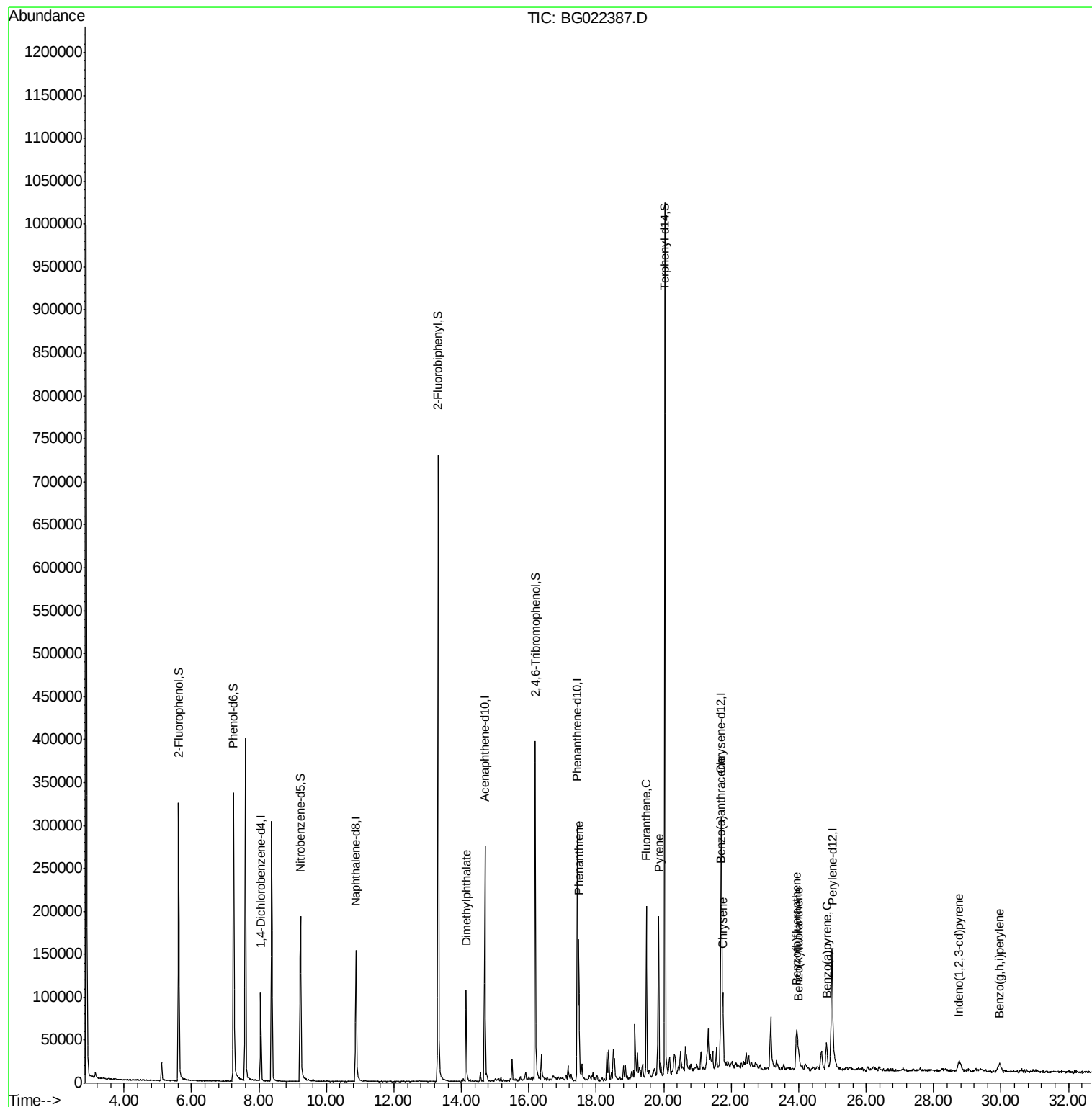
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36607	20.00	ng	-0.04
21) Naphthalene-d8	10.88	136	185846	20.00	ng	-0.03
38) Acenaphthene-d10	14.69	164	107786	20.00	ng	-0.03
63) Phenanthrene-d10	17.44	188	209703	20.00	ng	-0.03
75) Chrysene-d12	21.71	240	176964	20.00	ng	-0.03
86) Perylene-d12	24.99	264	165692	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	212940	112.47	ng	-0.02
7) Phenol-d6	7.24	99	314314	105.59	ng	0.00
23) Nitrobenzene-d5	9.23	82	175507	65.84	ng	-0.03
41) 2,4,6-Tribromophenol	16.19	330	90119	73.99	ng	-0.03
44) 2-Fluorobiphenyl	13.31	172	452807	64.02	ng	-0.03
78) Terphenyl-d14	20.04	244	457176	61.33	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	14.14	163	98506	11.02	ng	99
70) Phenanthrene	17.48	178	113600	9.97	ng	99
74) Fluoranthene	19.48	202	134684	10.29	ng	96
77) Pyrene	19.85	202	129711	11.79	ng	99
80) Benzo(a)anthracene	21.69	228	58199	5.86	ng	99
82) Chrysene	21.75	228	55755	5.77	ng	98
85) Indeno(1,2,3-cd)pyrene	28.75	276	24828m	2.29	ng	
87) Benzo(b)fluoranthene	23.94	252	55187m	5.71	ng	
88) Benzo(k)fluoranthene	23.99	252	19928m	2.09	ng	
89) Benzo(a)pyrene	24.84	252	35969	3.89	ng	98
91) Benzo(g,h,i)perylene	29.94	276	23742m	2.62	ng	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 887

Delta R.T. -0.04 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Instrument :

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ClientSampleId :

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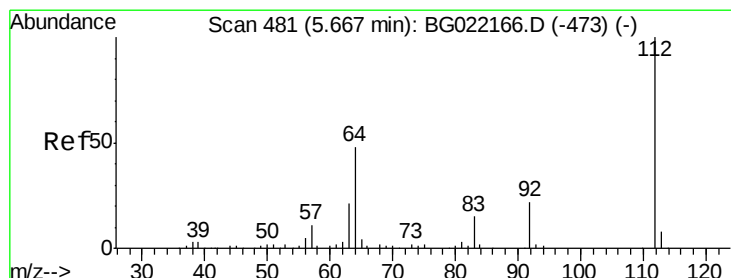
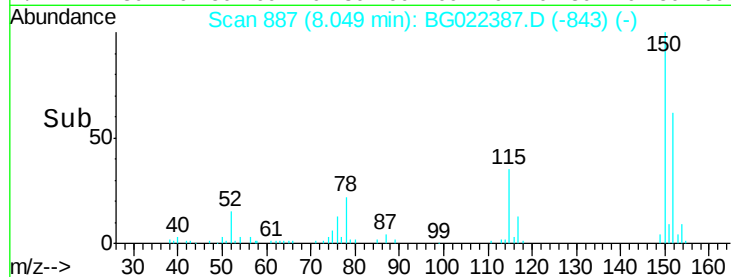
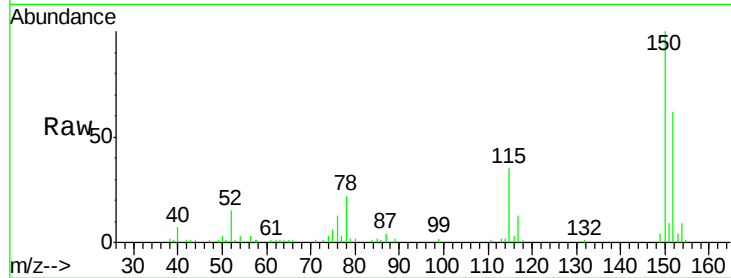
Tot Ion:152 Resp: 36607

Ion Ratio Lower Upper

152 100

150 161.4 130.1 195.1

115 56.7 62.2 93.2#



#5

2-Fluorophenol

Concen: 112.47 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

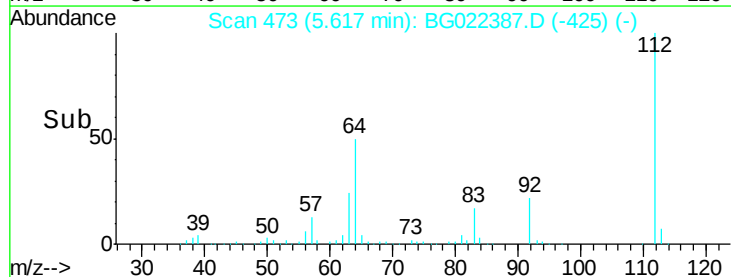
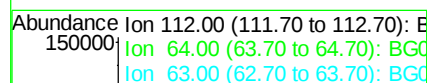
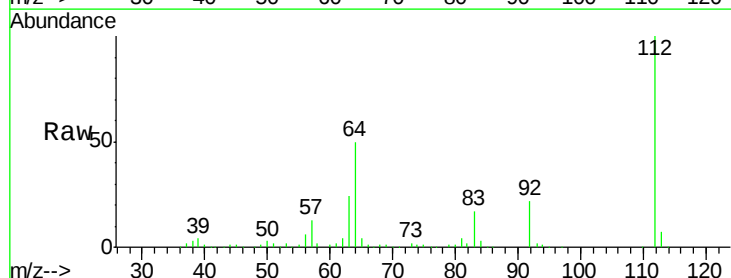
Tgt Ion:112 Resp: 212940

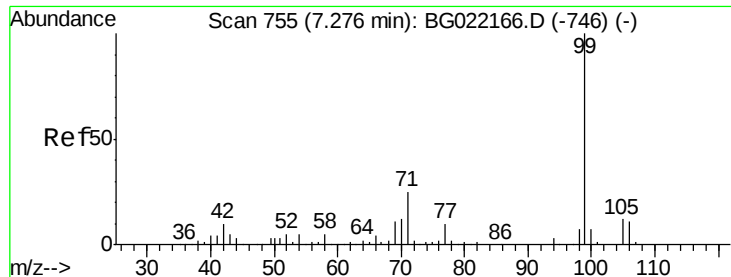
Ion Ratio Lower Upper

112 100

64 50.3 51.1 76.7#

63 24.2 24.6 37.0#





#7

Phenol-d6

Concen: 105.59 ng

RT: 7.24 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

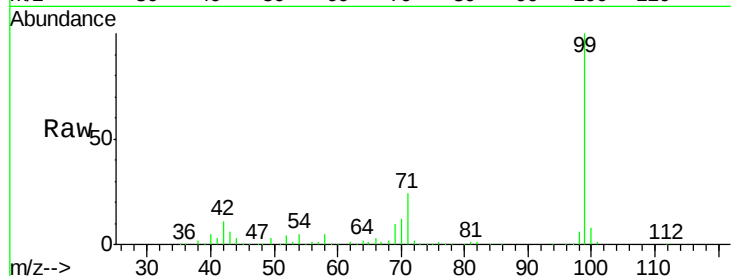
Tot Ion: 99 Resp: 314314

Ion Ratio Lower Upper

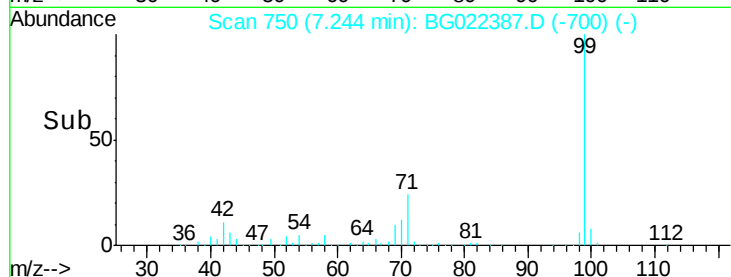
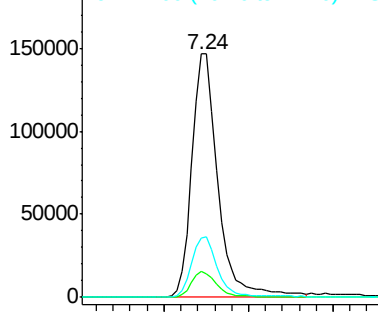
99 100

42 10.5 16.4 24.6#

71 24.2 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: 10.88 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Tgt Ion:136 Resp: 185846

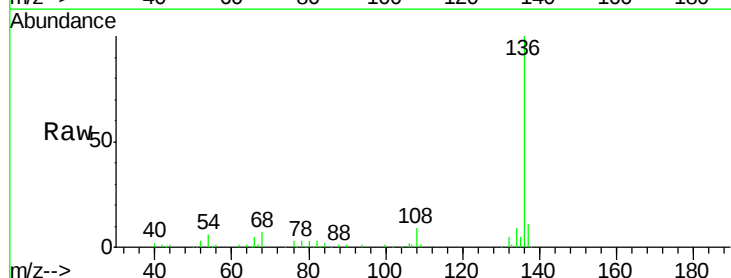
Ion Ratio Lower Upper

136 100

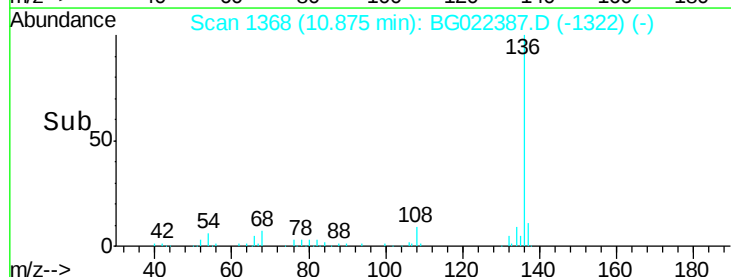
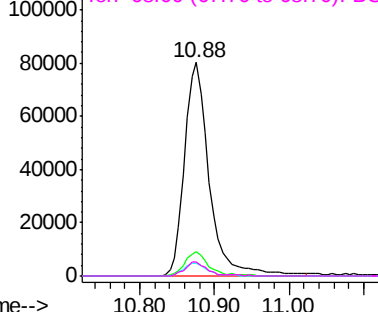
137 11.2 9.0 13.4

54 6.2 9.6 14.4#

68 6.7 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

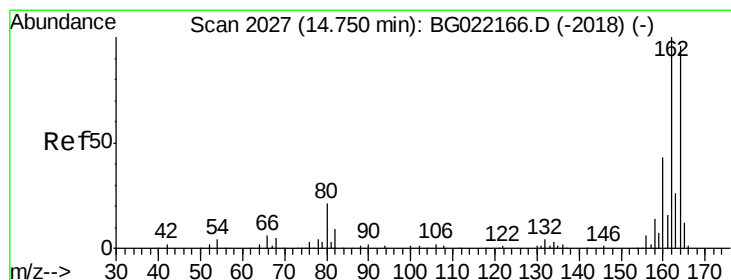
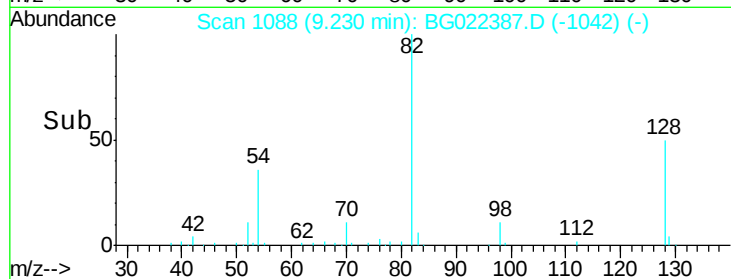
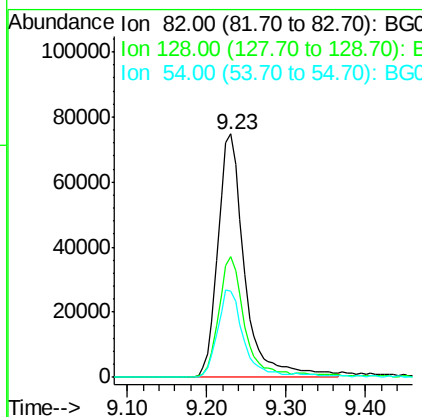
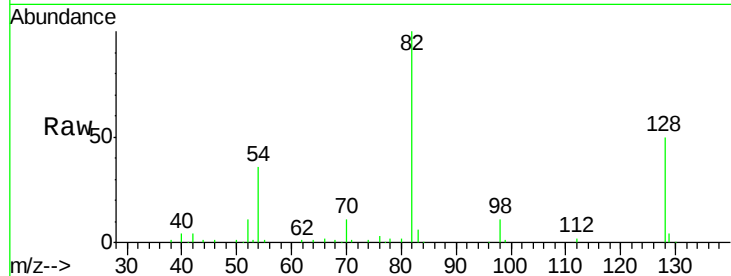




#23
 Nitrobenzene-d5
 Concen: 65.84 ng
 RT: 9.23 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: BG022387.D
 Acq: 17 Jun 2016 5:00

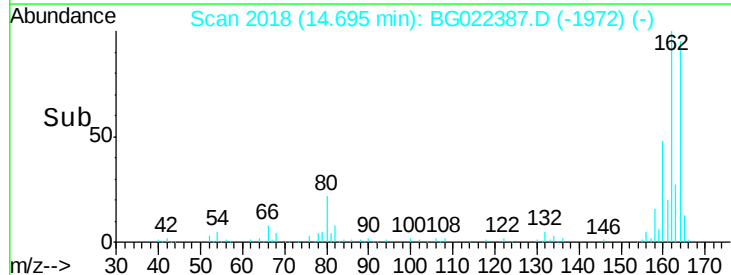
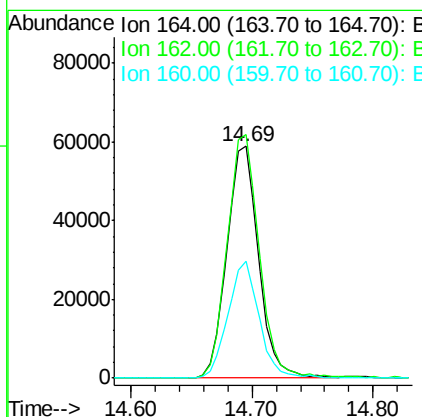
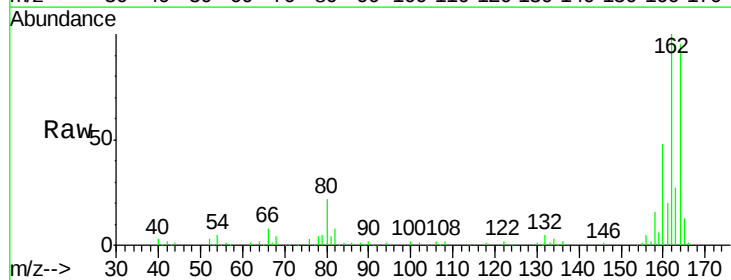
Instrument :
 BNA_G
 ClientSampleID :
 SB-03-COMP

Tot Ion	82	Resp	175507
Ion Ratio	Lower	Upper	
82	100		
128	49.9	33.4	50.0
54	35.6	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 2018
 Delta R.T. -0.03 min
 Lab File: BG022387.D
 Acq: 17 Jun 2016 5:00

Tgt Ion	164	Resp	107786
Ion Ratio	Lower	Upper	
164	100		
162	105.0	78.0	117.0
160	50.6	32.9	49.3#

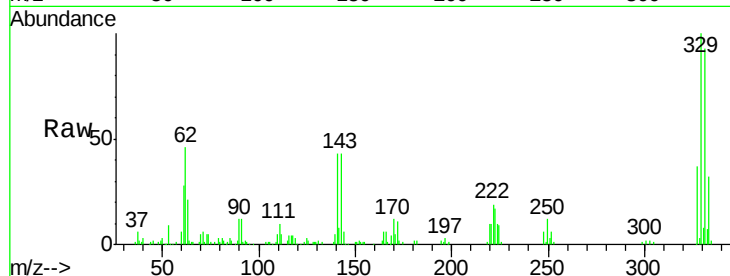




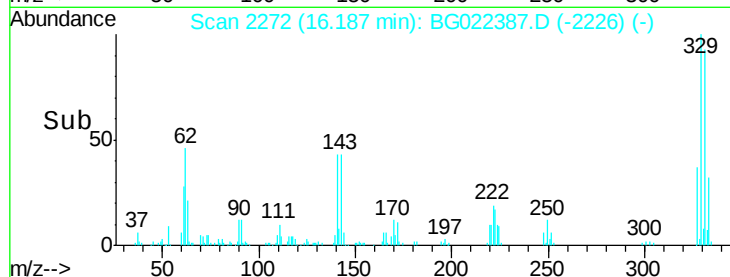
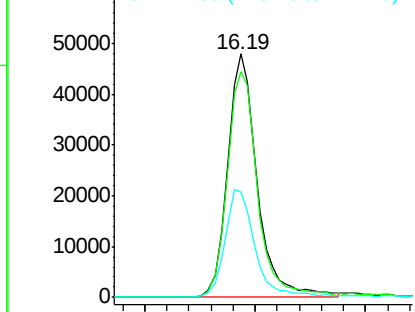
#41
 2,4,6-Tribromophenol
 Concen: 73.99 ng
 RT: 16.19 min Scan# 2272
 Delta R.T. -0.03 min
 Lab File: BG022387.D
 Acq: 17 Jun 2016 5:00

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-COMP

Tot Ion:330 Resp: 90119
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.0 117.0
 141 45.5 33.8 50.8

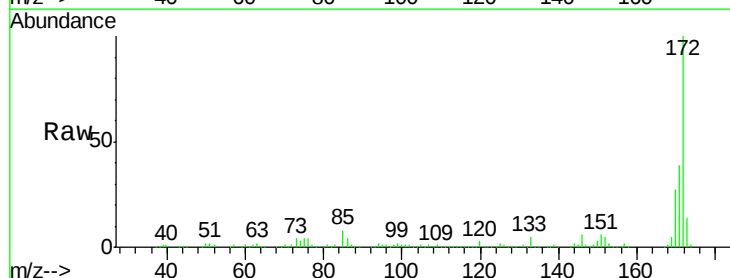


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

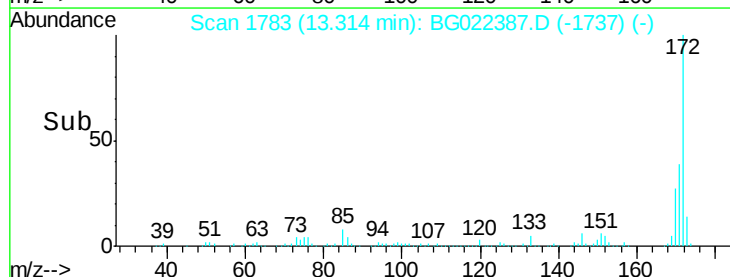
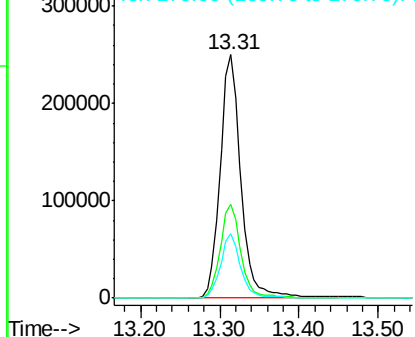


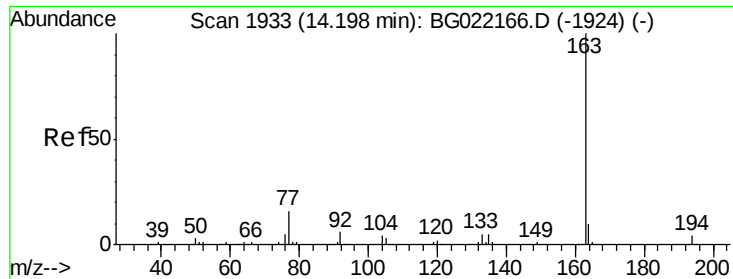
#44
 2-Fluorobiphenyl
 Concen: 64.02 ng
 RT: 13.31 min Scan# 1783
 Delta R.T. -0.03 min
 Lab File: BG022387.D
 Acq: 17 Jun 2016 5:00

Tgt Ion:172 Resp: 452807
 Ion Ratio Lower Upper
 172 100
 171 38.6 27.8 41.6
 170 26.7 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

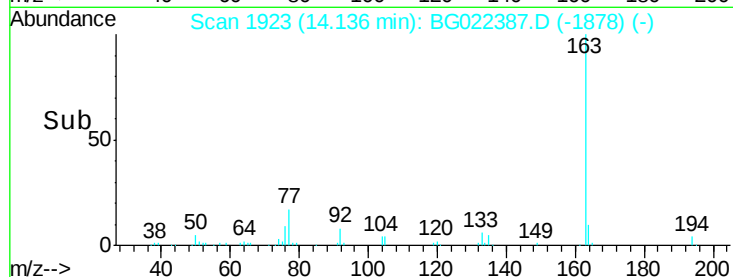
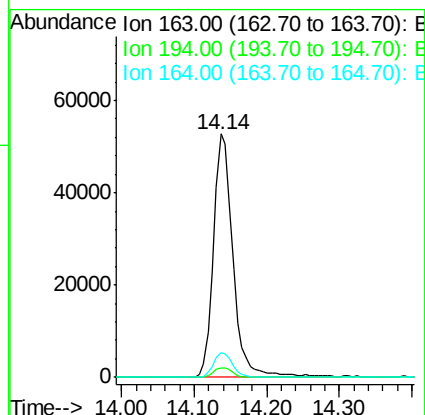
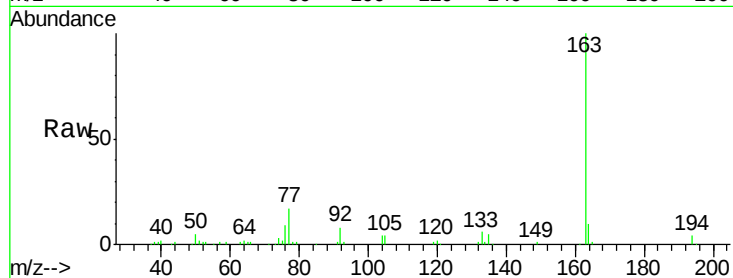




#49
Dimethylphthalate
Concen: 11.02 ng
RT: 14.14 min Scan# 1923
Delta R.T. -0.04 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

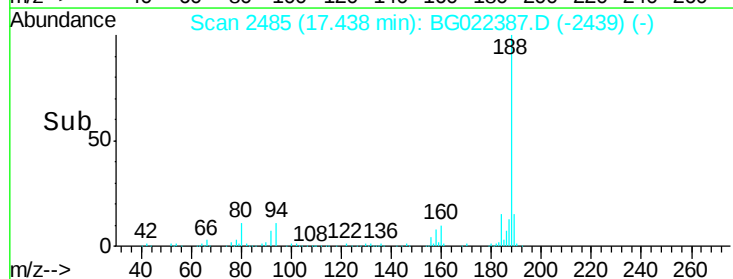
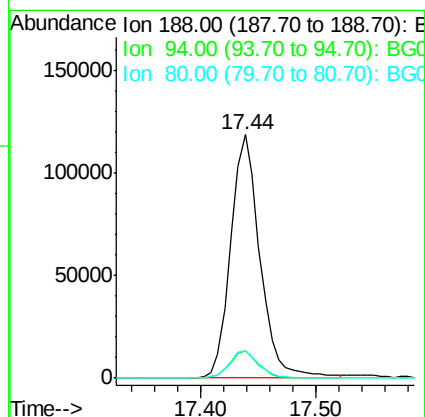
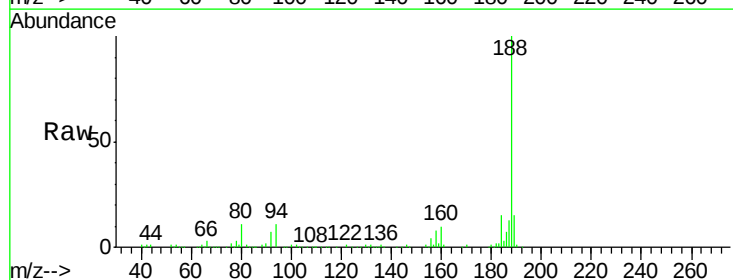
Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

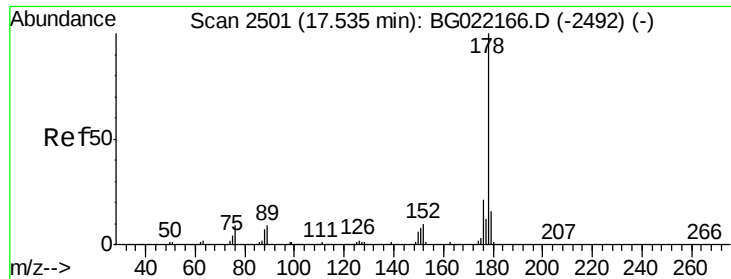
Tot Ion:163 Resp: 98506
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.3 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2485
Delta R.T. -0.03 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

Tgt Ion:188 Resp: 209703
Ion Ratio Lower Upper
188 100
94 11.2 7.5 11.3
80 11.4 8.6 13.0





#70

Phenanthrene

Concen: 9.97 ng

RT: 17.48 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

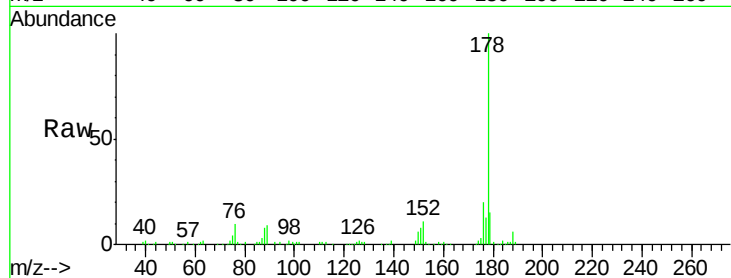
Tot Ion:178 Resp: 113600

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

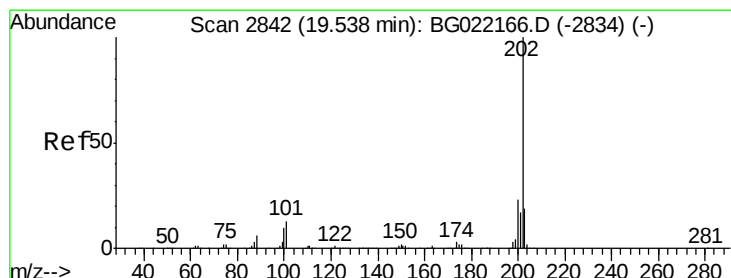
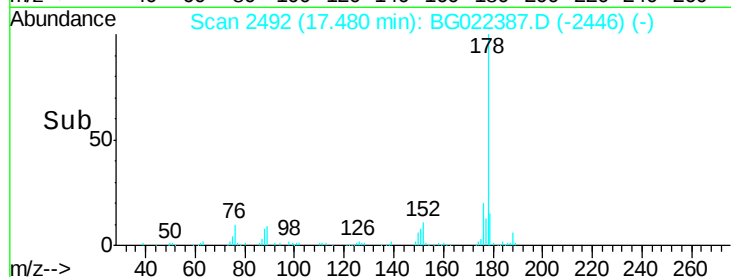
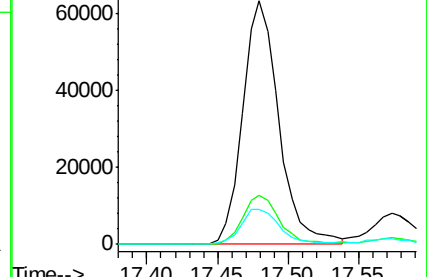
179 14.6 12.0 18.0



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



#74

Fluoranthene

Concen: 10.29 ng

RT: 19.48 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

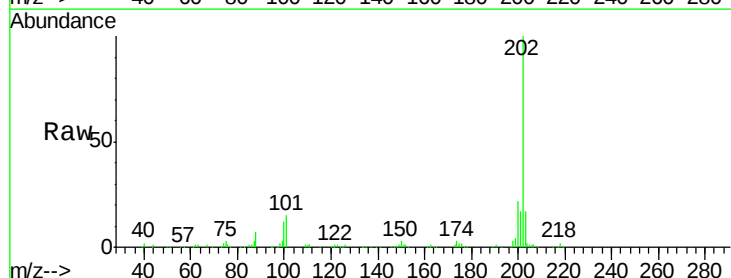
Tgt Ion:202 Resp: 134684

Ion Ratio Lower Upper

202 100

101 14.5 0.0 31.0

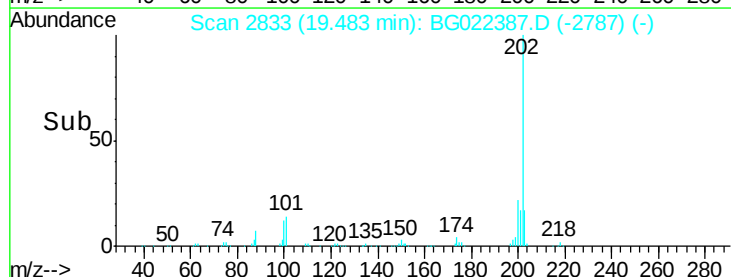
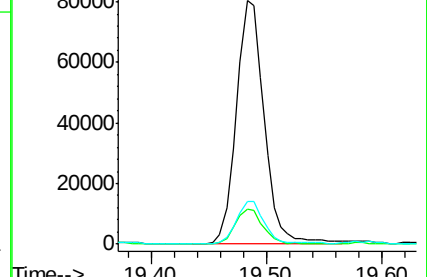
203 17.4 0.0 37.9

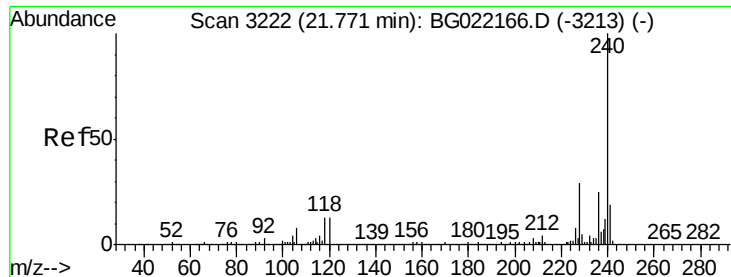


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.71 min Scan# 3212

Delta R.T. -0.03 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Instrument :

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ClientSampleId :

SB-03-COMP

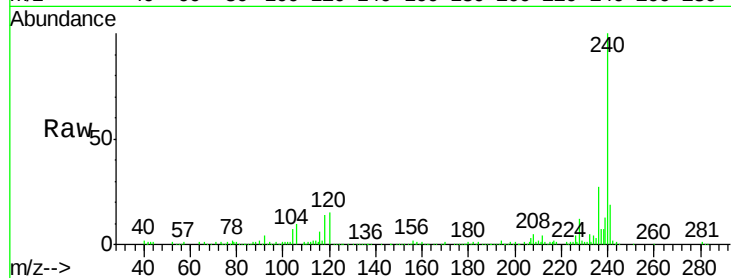
Tot Ion:240 Resp: 176964

Ion Ratio Lower Upper

240 100

120 14.7 8.4 12.6#

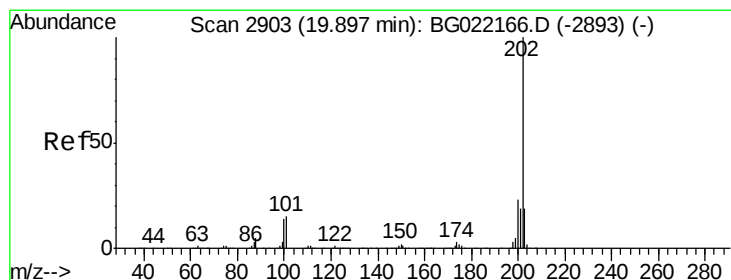
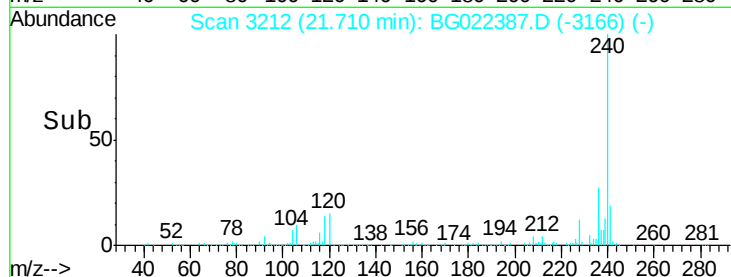
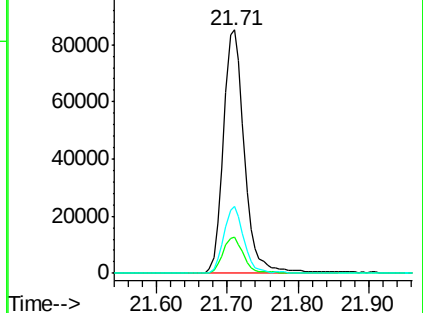
236 27.3 19.6 29.4



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: 11.79 ng

RT: 19.85 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

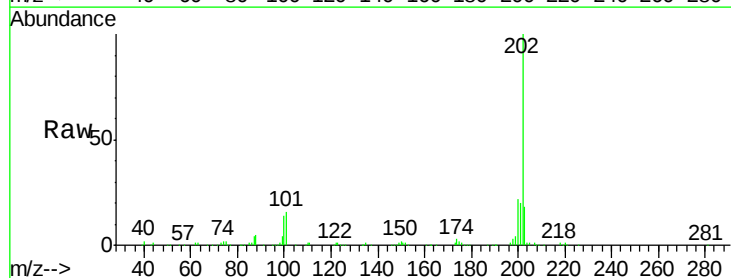
Tgt Ion:202 Resp: 129711

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.2

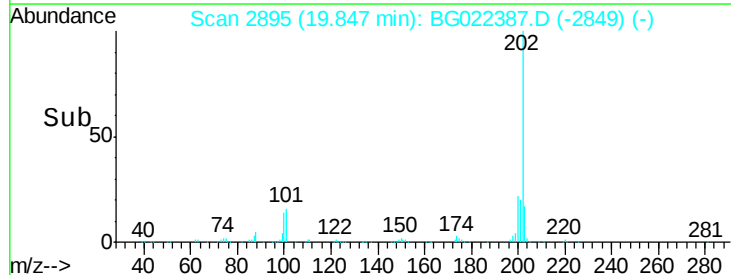
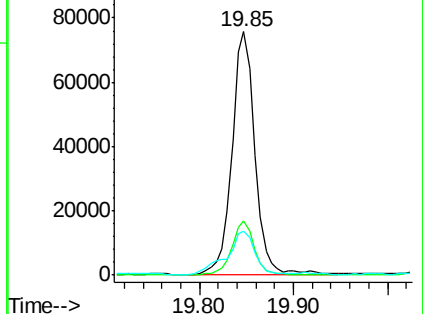
203 18.1 15.0 22.4

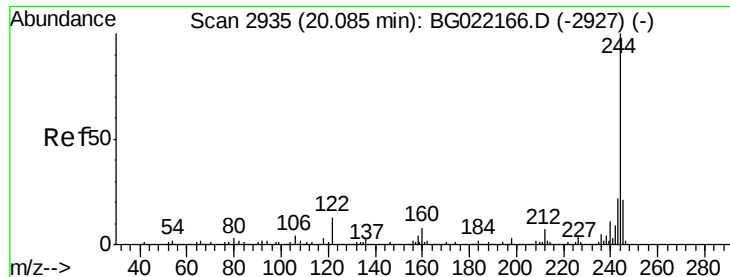


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.33 ng

RT: 20.04 min Scan# 2927

Delta R.T. -0.02 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

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BNA_G

ClientSampleId :

SB-03-COMP

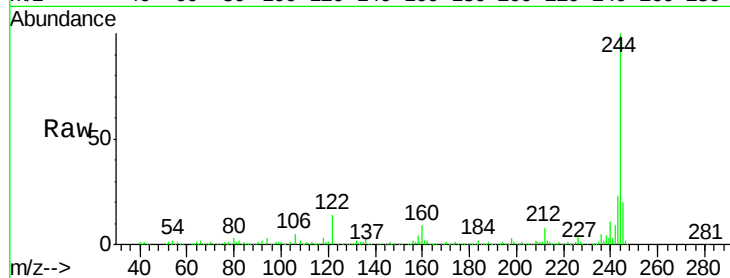
Tot Ion:244 Resp: 457176

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

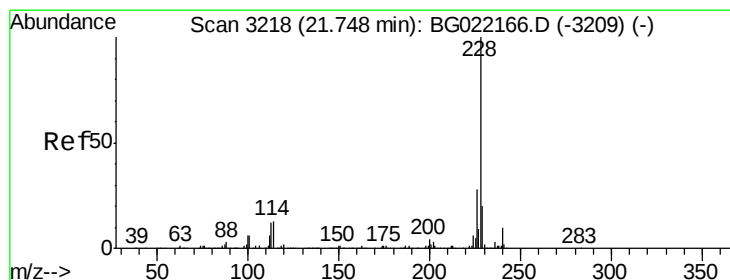
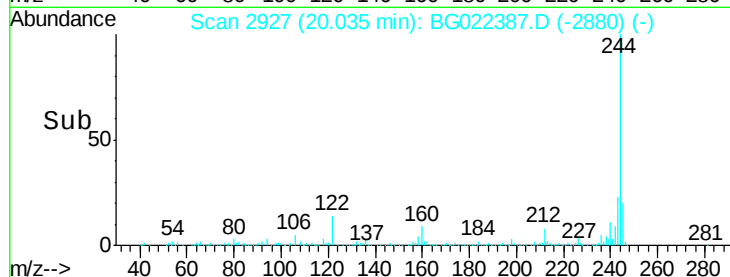
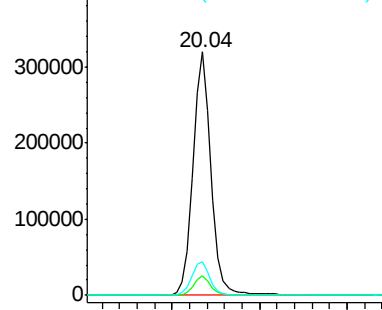
122 13.9 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 5.86 ng

RT: 21.69 min Scan# 3208

Delta R.T. -0.04 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

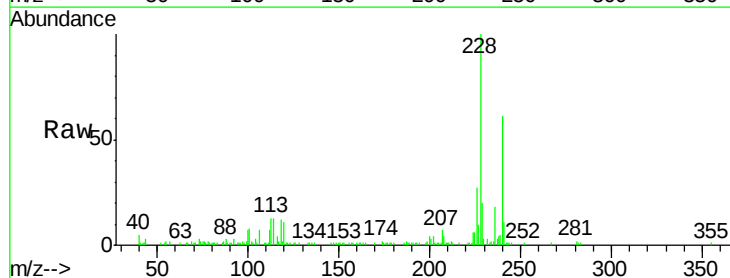
Tgt Ion:228 Resp: 58199

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

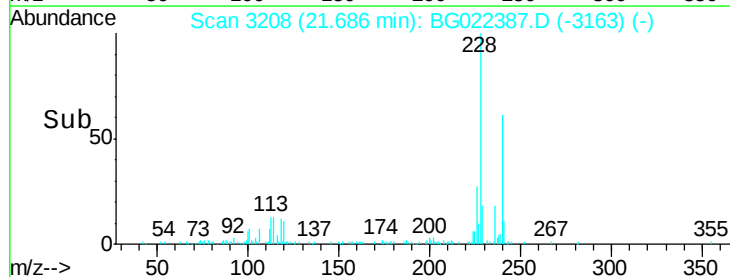
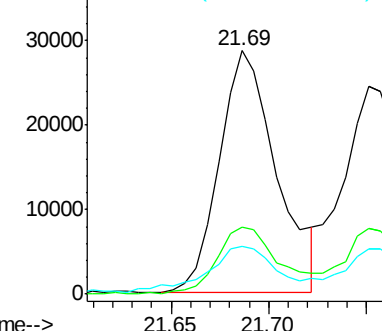
229 19.8 16.1 24.1

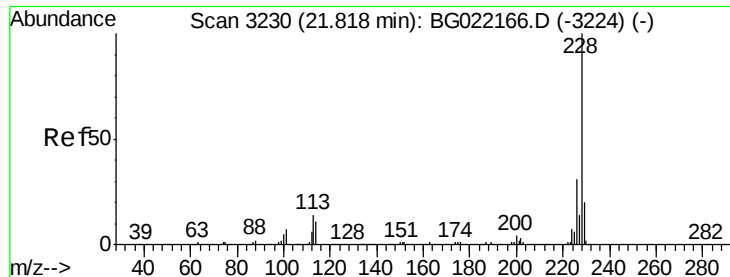


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.77 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

Instrument :

BNA_G

ClientSampleId :

SB-03-COMP

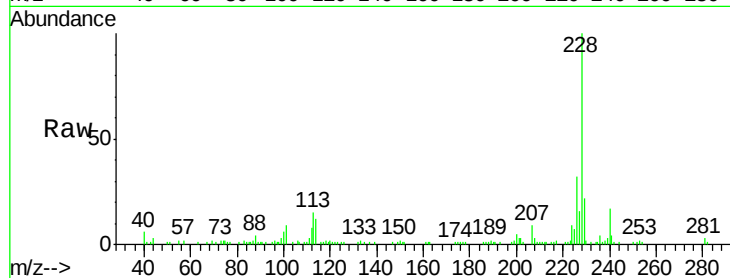
Tot Ion:228 Resp: 55755

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

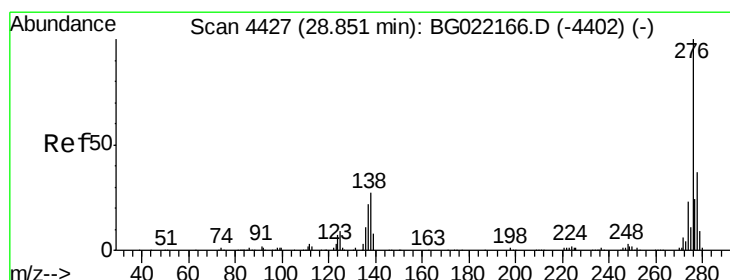
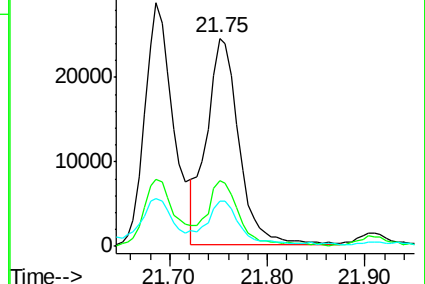
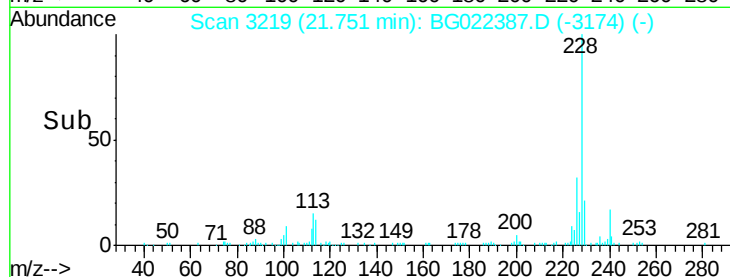
229 22.0 15.9 23.9



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: 2.29 ng m

RT: 28.75 min Scan# 4411

Delta R.T. -0.01 min

Lab File: BG022387.D

Acq: 17 Jun 2016 5:00

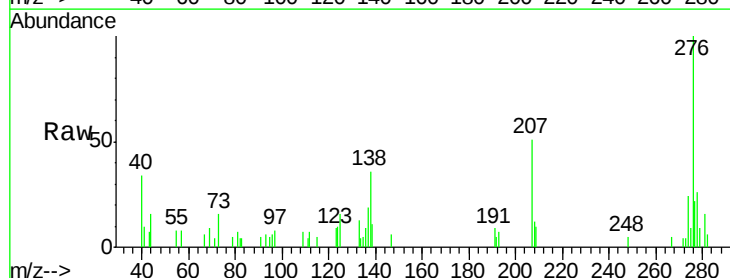
Tgt Ion:276 Resp: 24828

Ion Ratio Lower Upper

276 100

138 6.0 14.0 21.0#

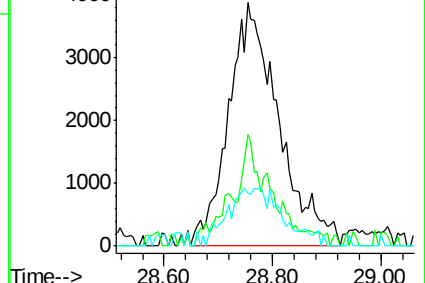
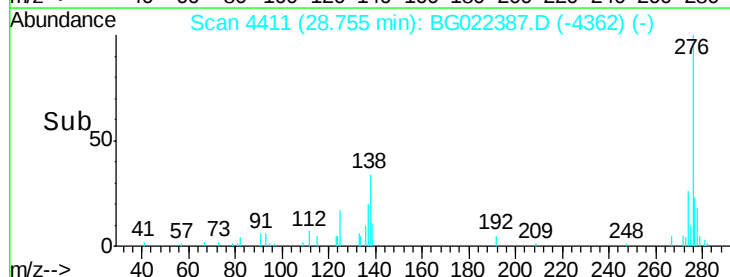
277 11.5 20.6 30.8#

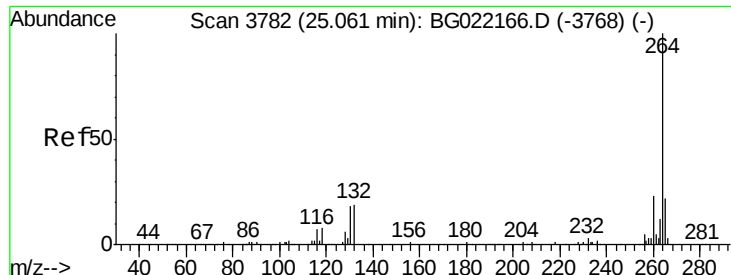


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

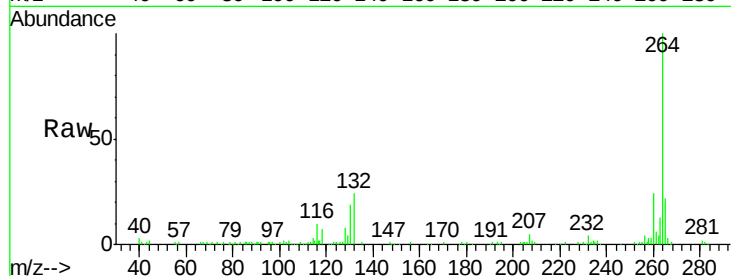




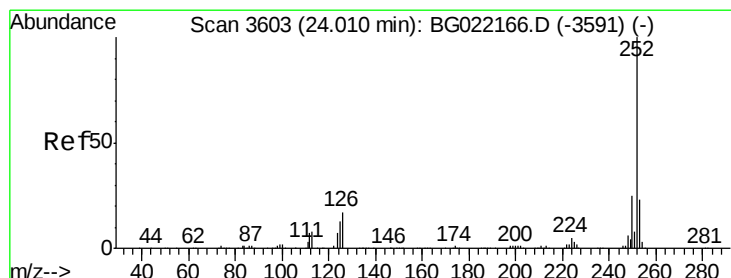
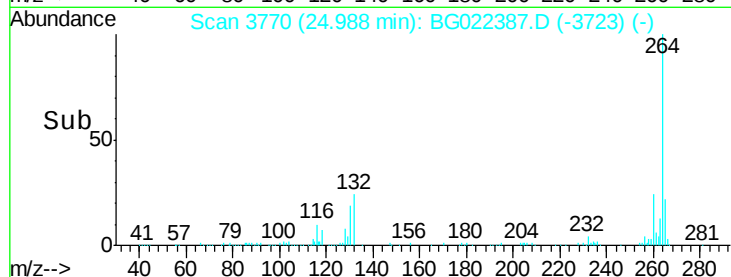
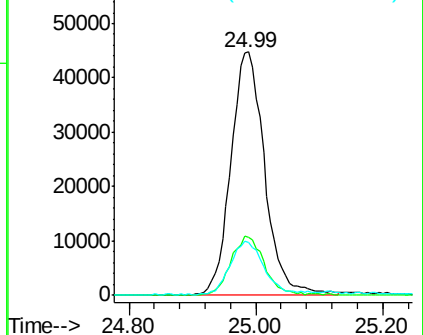
#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.99 min Scan# 3770
Delta R.T. -0.02 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

Tot Ion:264 Resp: 165692
Ion Ratio Lower Upper
264 100
260 23.6 20.2 30.4
265 21.7 17.8 26.8

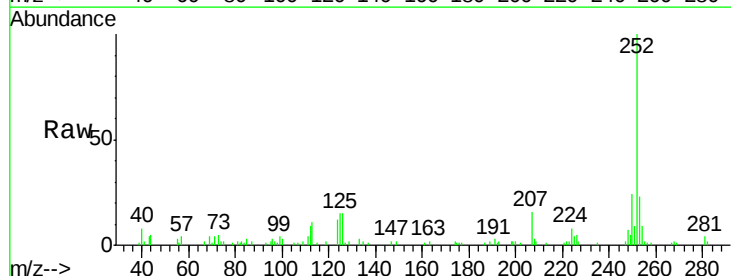


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

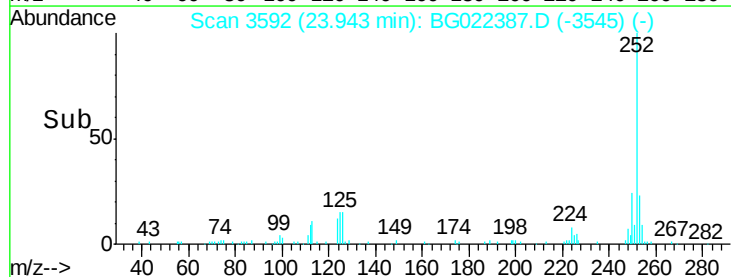
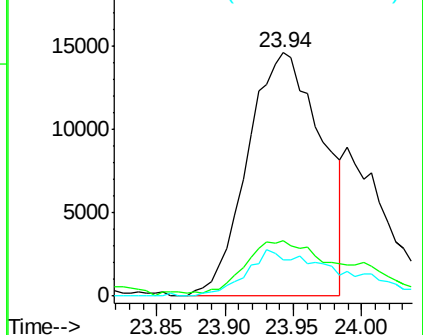


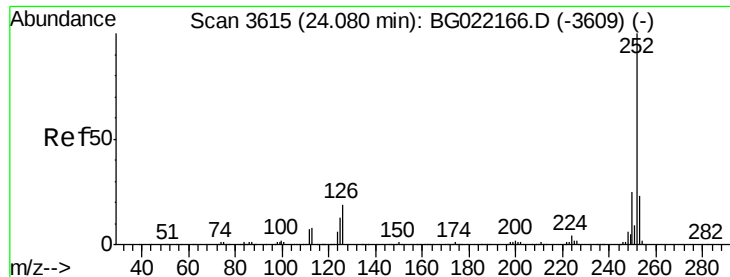
#87
Benzo(b)fluoranthene
Concen: 5.71 ng m
RT: 23.94 min Scan# 3592
Delta R.T. -0.02 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

Tgt Ion:252 Resp: 55187
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 14.7 8.6 13.0#



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

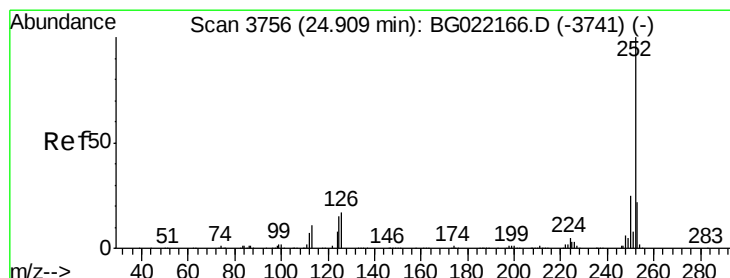
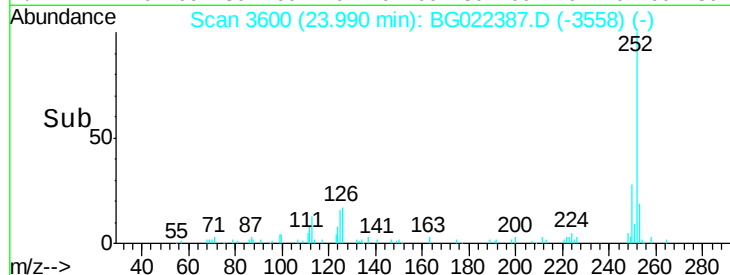
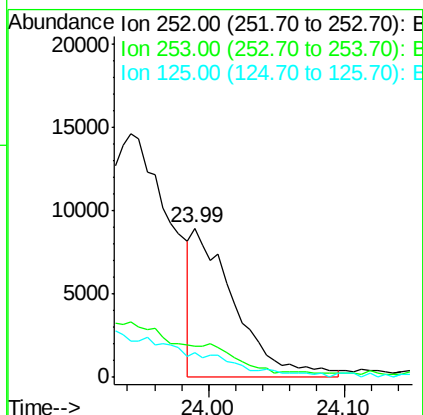
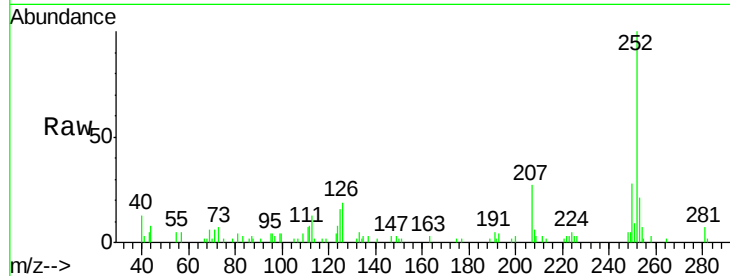




#88
Benzo(k)fluoranthene
Concen: 2.09 ng/mL
RT: 23.99 min Scan# 3600
Delta R.T. -0.05 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

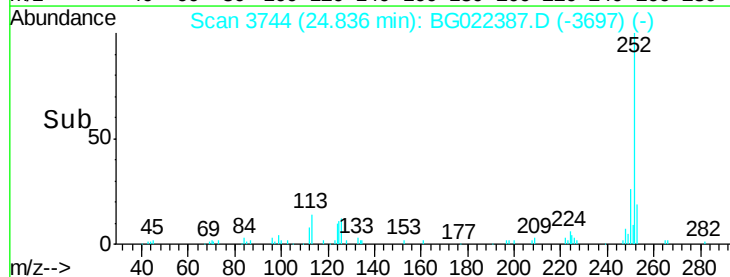
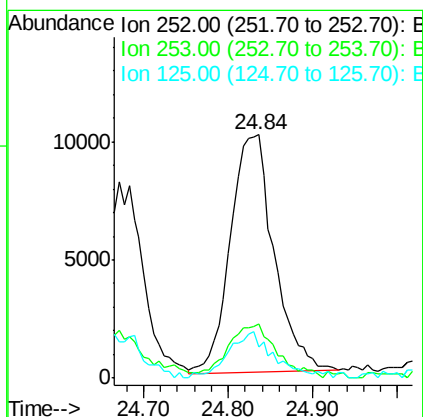
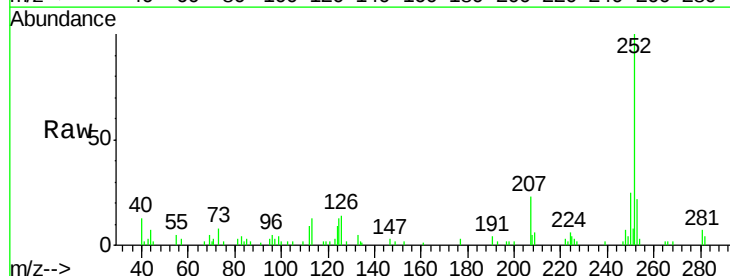
Instrument :
BNA_G
ClientSampleId :
SB-03-COMP

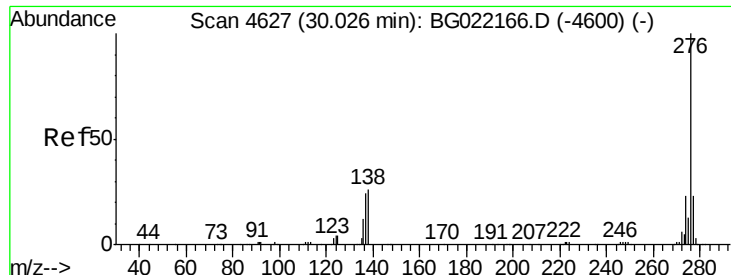
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	16.2	8.3	12.5



#89
Benzo(a)pyrene
Concen: 3.89 ng/mL
RT: 24.84 min Scan# 3744
Delta R.T. -0.02 min
Lab File: BG022387.D
Acq: 17 Jun 2016 5:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.0	9.6	14.4

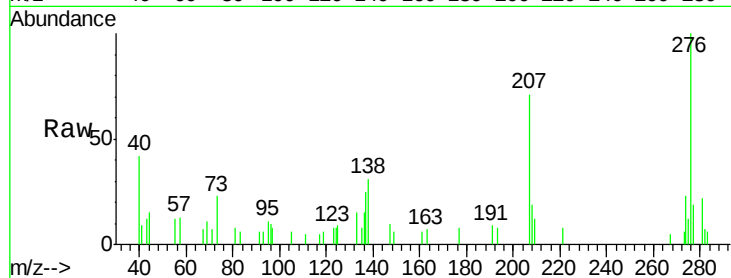




#91
 Benzo(a,h,i)perylene
 Concen: 2.62 ng/ml
 RT: 29.94 min Scan# 4613
 Delta R.T. -0.00 min
 Lab File: BG022387.D
 Acq: 17 Jun 2016 5:00

Instrument :
 BNA_G
 ClientSampleId :
 SB-03-COMP

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	19.1	19.4	29.2	
138	30.6	17.4	26.0	



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

