

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016188.D
 Acq On : 27 Mar 2015 22:56
 Operator : TP/IZ
 Sample : G1647-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:09:24 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	57721	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	256177	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	149844	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	304657	20.00	ng/ul	0.00
75) Chrysene-d12	21.33	240	313439	20.00	ng/ul	0.00
83) Perylene-d12	23.61	264	315189	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	151259	29.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	80408	28.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	117708	29.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	110873	28.44	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	65548	32.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	68793	35.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	108355	30.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	144057	28.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	315050	32.25	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	417127	30.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	60985	26.14	ng/ul	0.00
57) Fluorene-d10	15.41	176	293462	30.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	34152	21.45	ng/ul	0.00
70) Anthracene-d10	17.25	188	417628	30.01	ng/ul	0.00
76) Pyrene-d10	19.54	212	428150	30.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.47	264	404261	29.41	ng/ul	0.00

Target Compounds

						Ovalue
14) Acetophenone	8.61	105	7362	1.19	ng/ul	97
28) Naphthalene	10.63	128	31535	2.28	ng/ul	99
34) 2-Methylnaphthalene	12.23	142	59278	6.06	ng/ul	96
40) 1,1'-Biphenyl	13.25	154	19319	1.64	ng/ul#	96
44) Dimethylphthalate	13.87	163	25007	2.26	ng/ul	98
49) Acenaphthene	14.48	153	121500	11.90	ng/ul	98
53) Dibenzofuran	14.81	168	177544	12.88	ng/ul	99
58) Fluorene	15.46	166	155655	12.93	ng/ul	98
69) Phenanthrene	17.20	178	966574	55.81	ng/ul	97
71) Anthracene	17.29	178	285373	16.23	ng/ul	99
72) Carbazole	17.56	167	86171	5.10	ng/ul	98
74) Fluoranthene	19.21	202	846160	43.22	ng/ul	98
77) Pyrene	19.57	202	659965	34.22	ng/ul	100
80) Benzo(a)anthracene	21.31	228	333613	18.79	ng/ul	99
82) Chrysene	21.36	228	264679	15.67	ng/ul	97
85) Benzo(b)fluoranthene	22.93	252	299431	16.55	ng/ul	98
86) Benzo(k)fluoranthene	22.93	252	82917	4.64	ng/ul	97
88) Benzo(a)pyrene	23.51	252	230903	12.81	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.95	276	133613	6.41	ng/ul	95
90) Dibenzo(a,h)anthracene	25.96	278	36947	2.11	ng/ul	94
91) Benzo(a,h,i)perylene	26.66	276	98833	5.64	ng/ul	99

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QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration

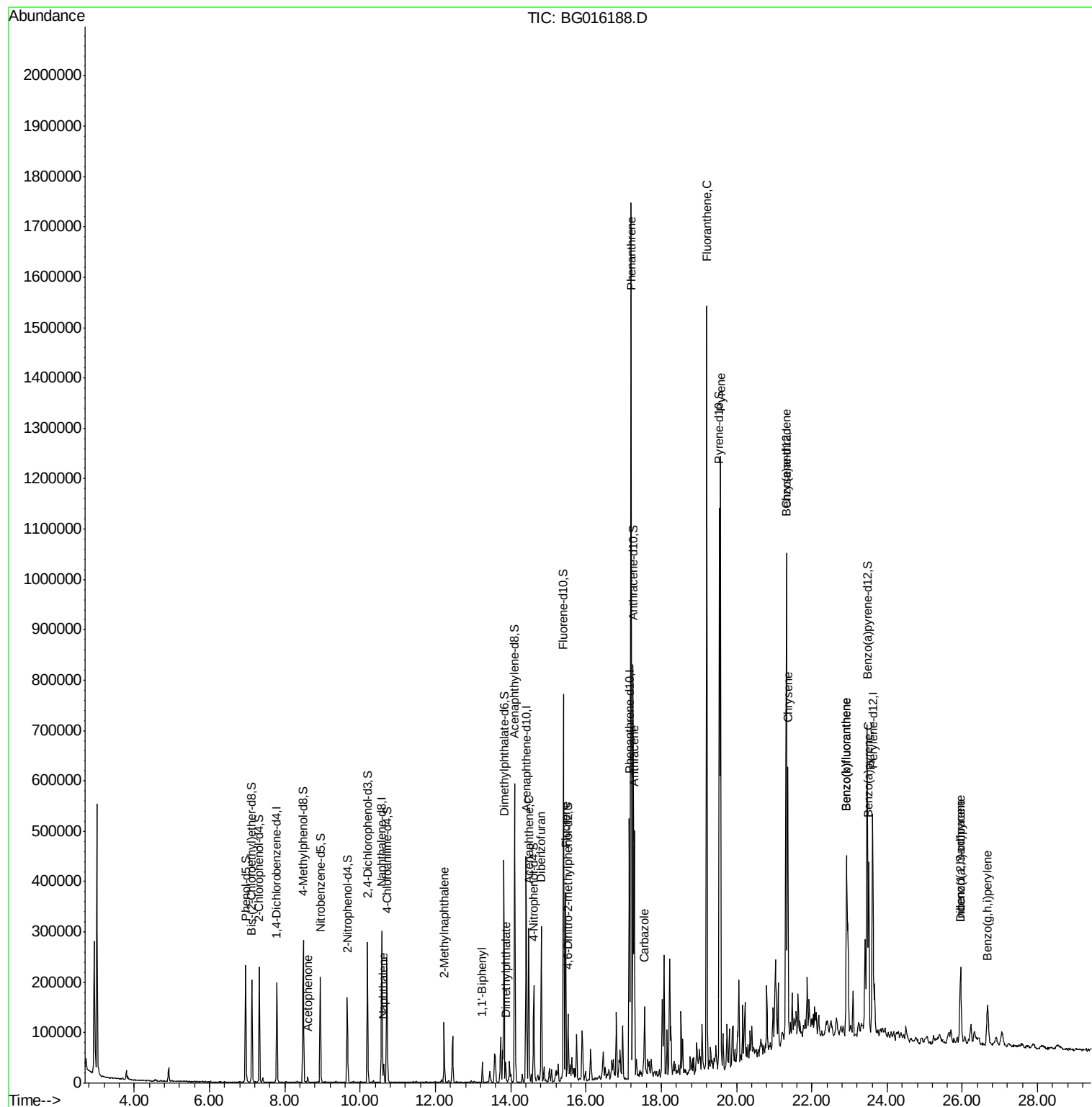
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

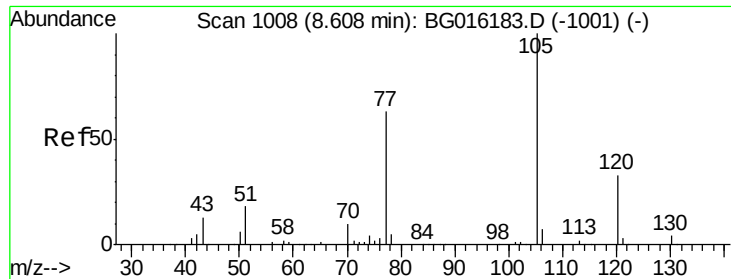
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#14

Acetophenone

Concen: 1.19 ng/ul

RT: 8.61 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampled :

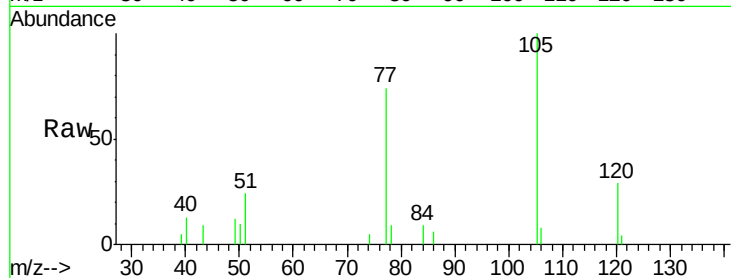
Tot Ion:105 Resp: 7362

Ion Ratio Lower Upper

105 100

77 73.5 57.8 86.8

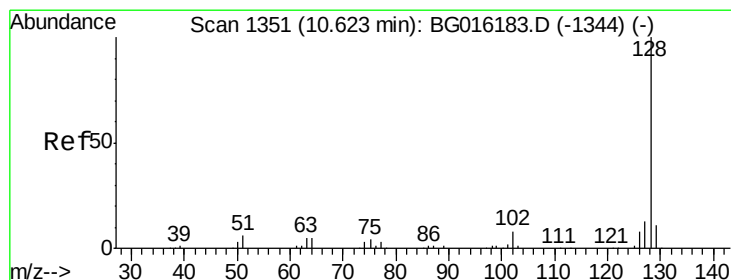
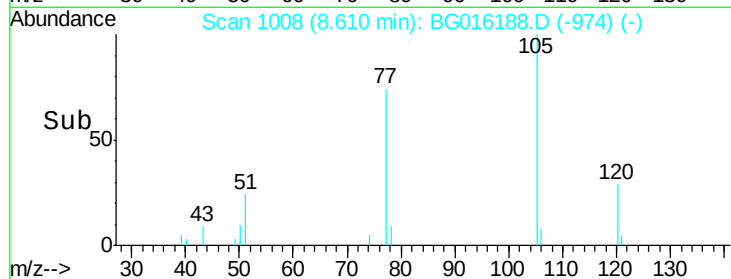
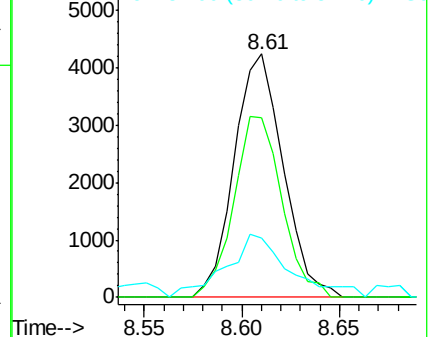
51 24.3 16.5 24.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 2.28 ng/ul

RT: 10.63 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

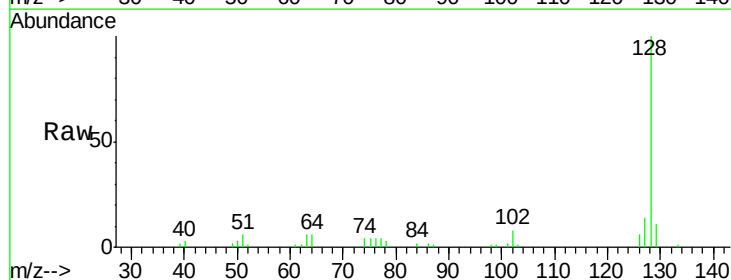
Tgt Ion:128 Resp: 31535

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

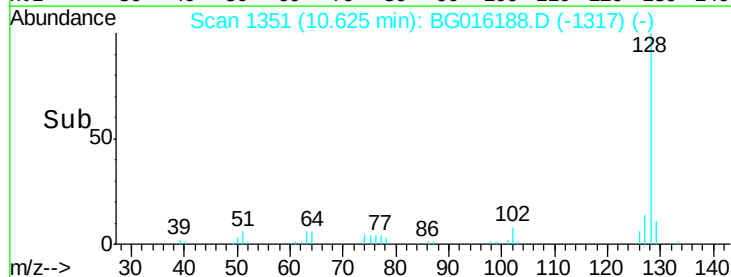
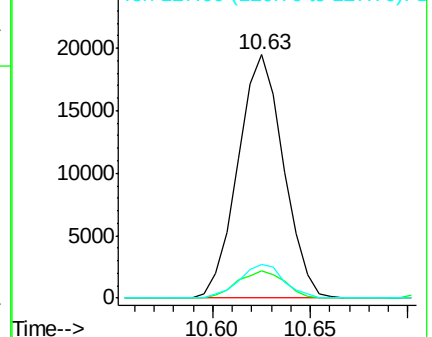
127 14.0 10.4 15.6

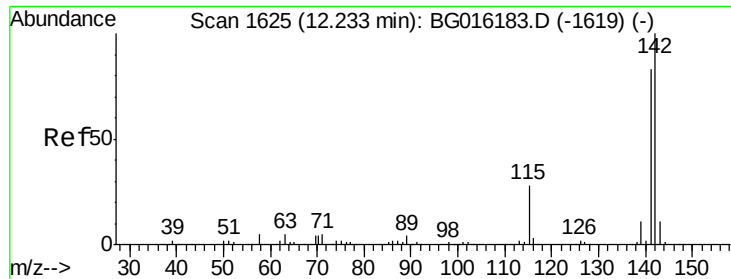


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

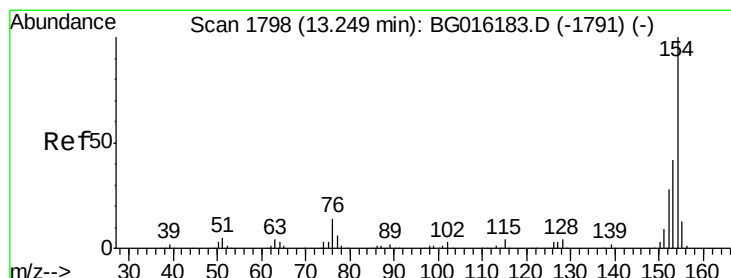
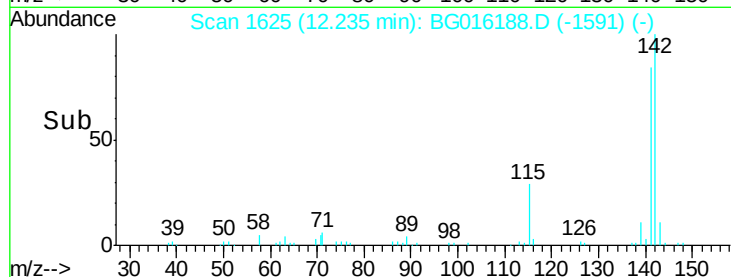
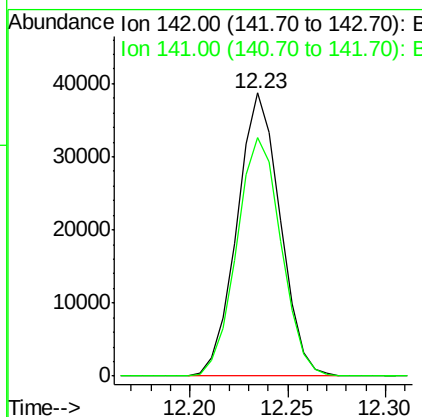
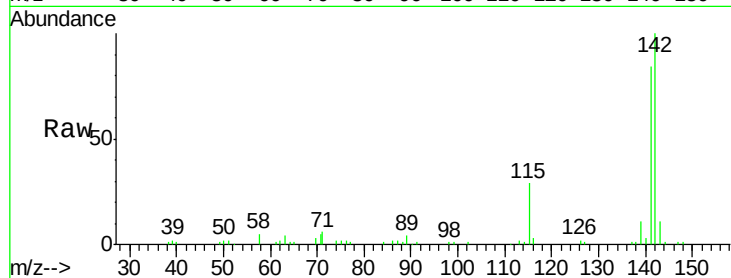




#34
 2-Methylnaphthalene
 Concen: 6.06 ng/ul
 RT: 12.23 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BG016188.D
 Acq: 27 Mar 2015 22:56

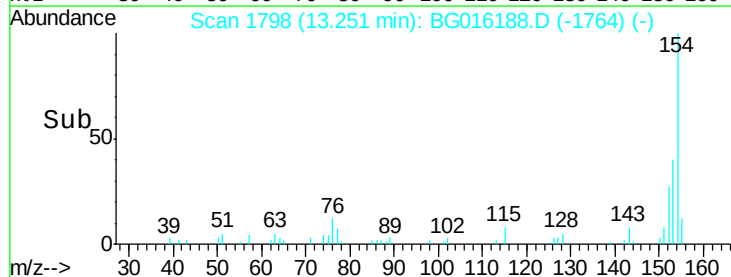
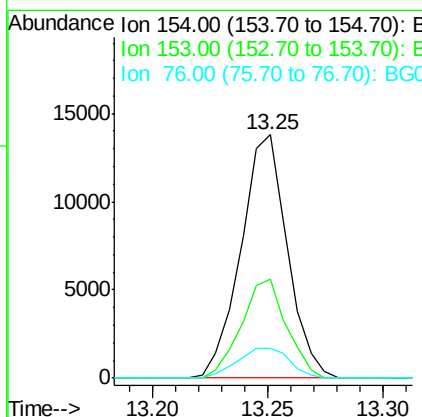
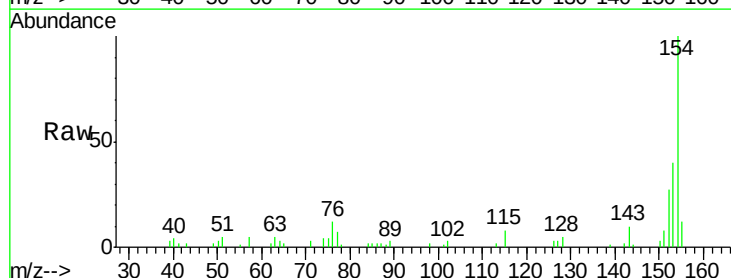
Instrument :
 BNA_G
 ClientSampleId :

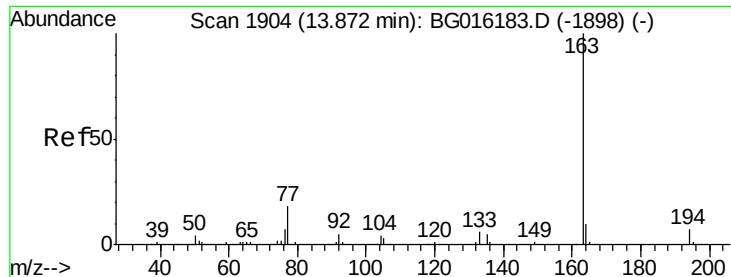
Tot Ion:142 Resp: 59278
 Ion Ratio Lower Upper
 142 100
 141 84.2 70.2 105.2



#40
 1,1'-Biphenyl
 Concen: 1.64 ng/ul
 RT: 13.25 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: BG016188.D
 Acq: 27 Mar 2015 22:56

Tgt Ion:154 Resp: 19319
 Ion Ratio Lower Upper
 154 100
 153 40.5 33.9 50.9
 76 12.3 12.6 19.0#





#44

Dimethylphthalate

Concen: 2.26 ng/ul

RT: 13.87 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampled :

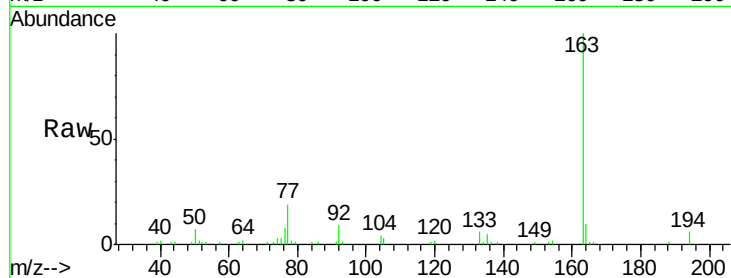
Tot Ion:163 Resp: 25007

Ion Ratio Lower Upper

163 100

194 5.7 5.4 8.0

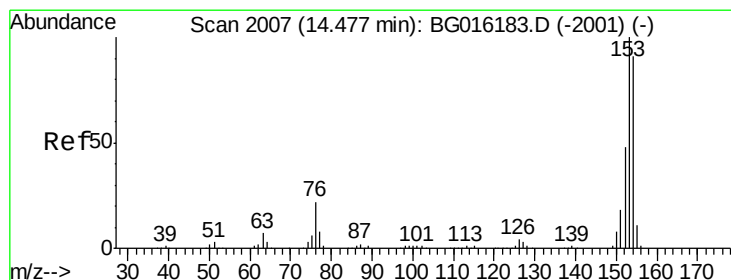
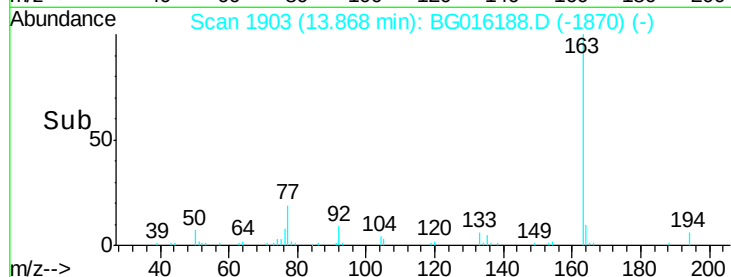
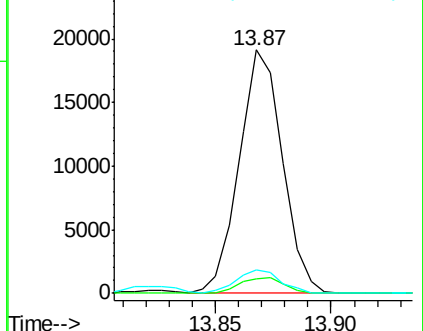
164 9.5 8.2 12.4



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



#49

Acenaphthene

Concen: 11.90 ng/ul

RT: 14.48 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

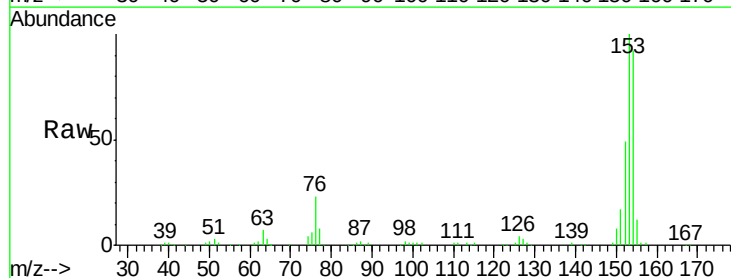
Tgt Ion:153 Resp: 121500

Ion Ratio Lower Upper

153 100

152 49.0 37.4 56.2

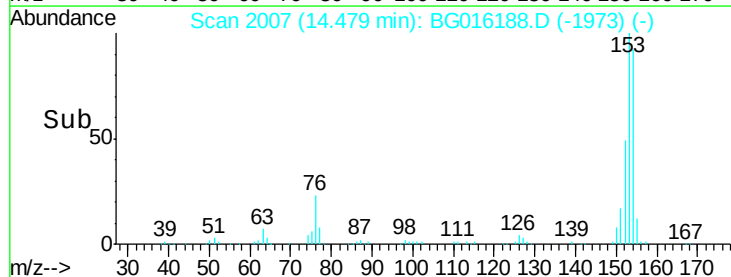
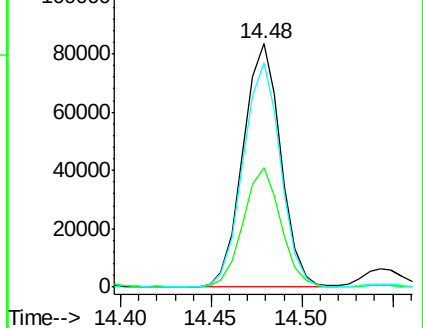
154 92.2 74.4 111.6

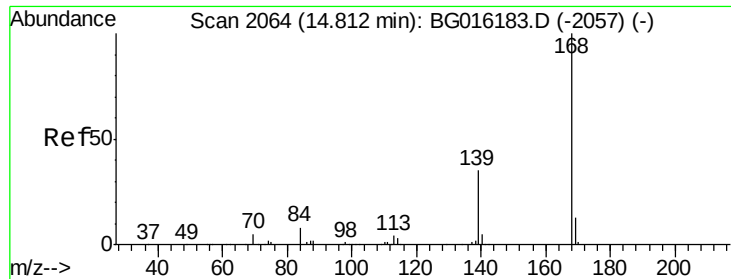


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 12.88 ng/ul

RT: 14.81 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

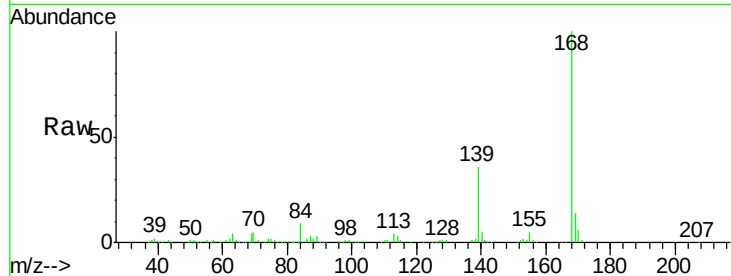
ClientSampleId :

Tot Ion:168 Resp: 177544

Ion Ratio Lower Upper

168 100

139 35.7 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.81

150000

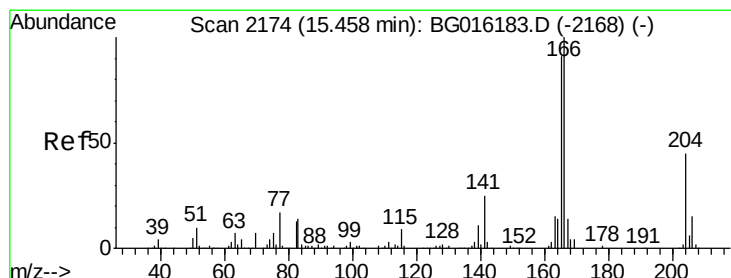
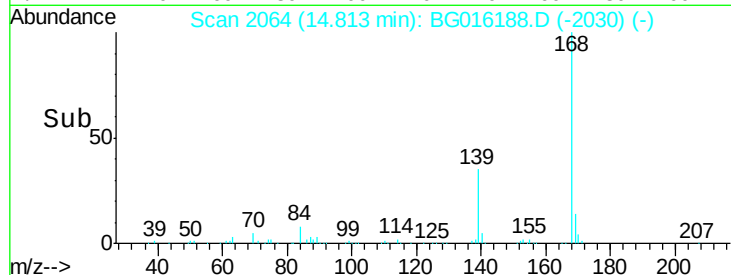
100000

50000

0

Time-->

14.75 14.80 14.85



#58

Fluorene

Concen: 12.93 ng/ul

RT: 15.46 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

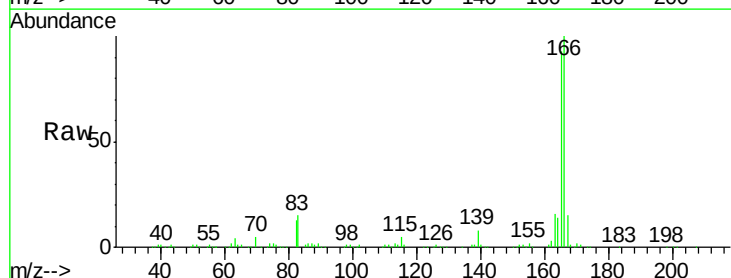
Tgt Ion:166 Resp: 155655

Ion Ratio Lower Upper

166 100

165 93.4 76.1 114.1

167 14.6 10.5 15.7



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

15.46

150000

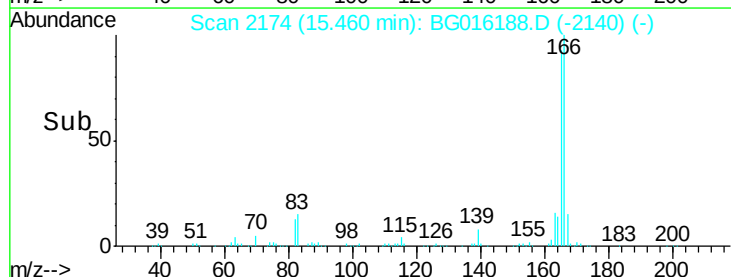
100000

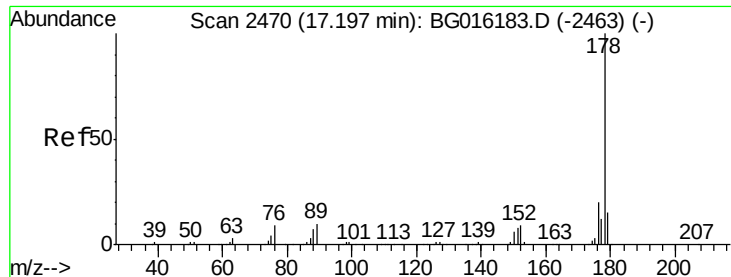
50000

0

Time-->

15.40 15.45 15.50





#69

Phenanthrene

Concen: 55.81 ng/ul

RT: 17.20 min Scan# 2470

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampleId :

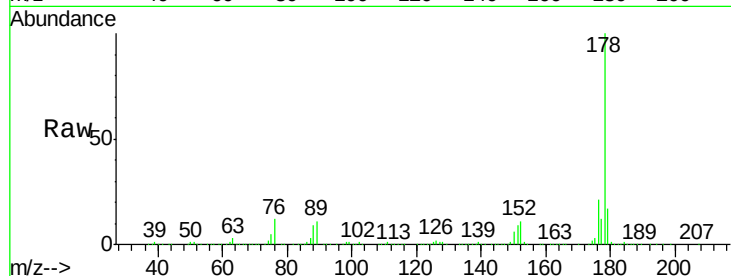
Tot Ion:178 Resp: 966574

Ion Ratio Lower Upper

178 100

179 17.0 12.8 19.2

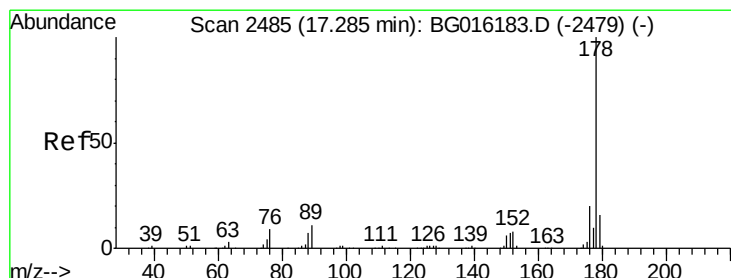
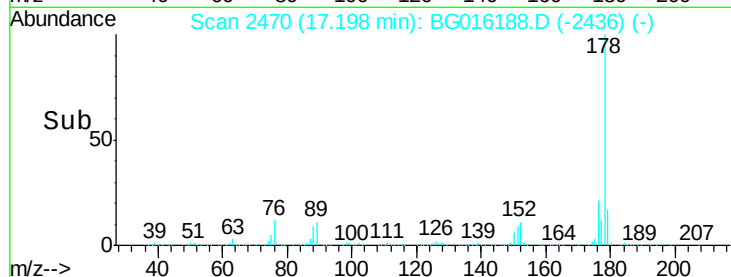
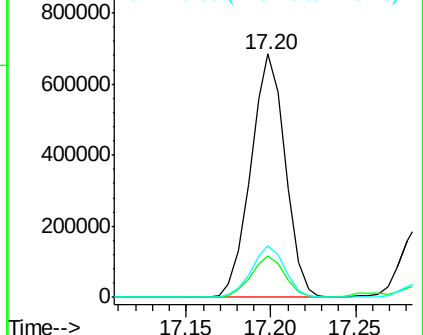
176 21.0 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 16.23 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

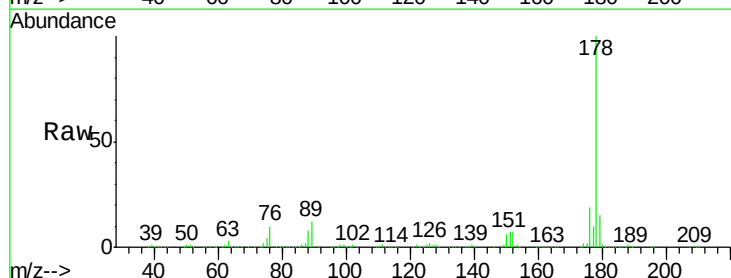
Tgt Ion:178 Resp: 285373

Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

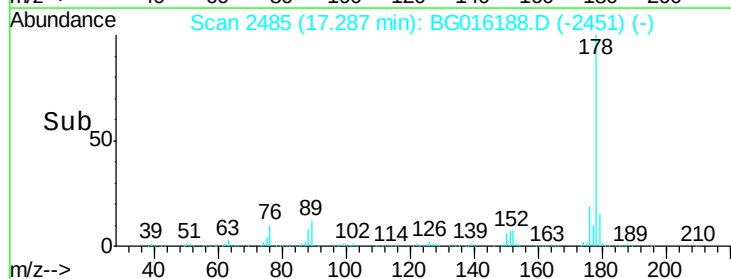
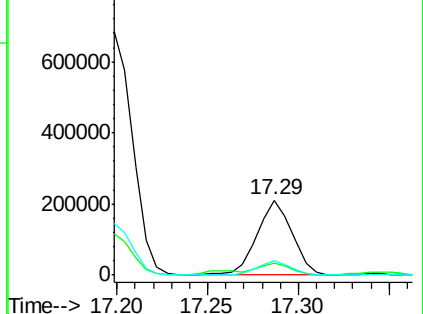
176 18.8 15.3 22.9

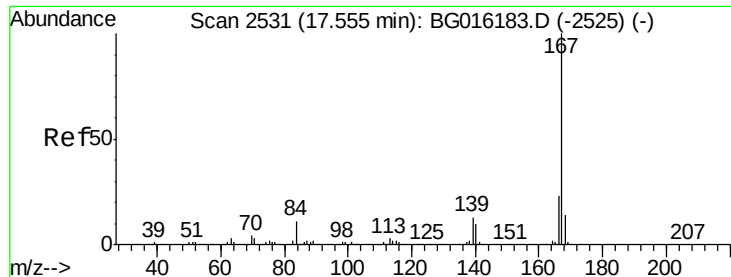


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.10 ng/ul

RT: 17.56 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

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ClientSampleId :

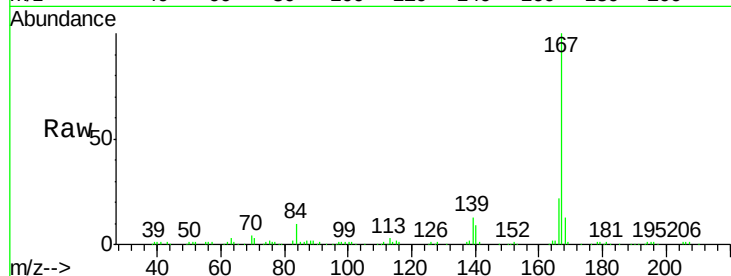
Tot Ion:167 Resp: 86171

Ion Ratio Lower Upper

167 100

166 21.5 18.2 27.2

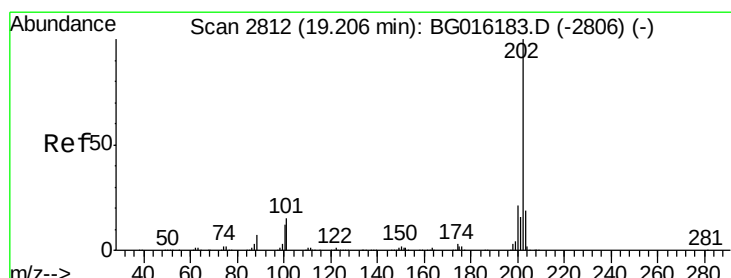
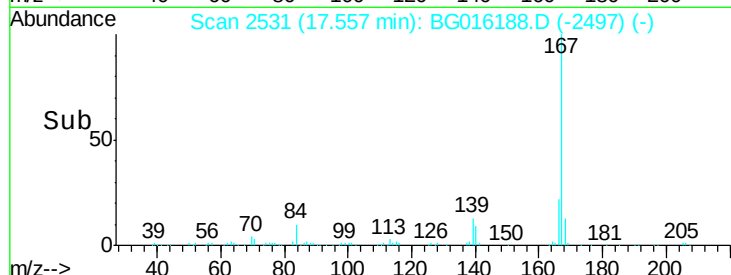
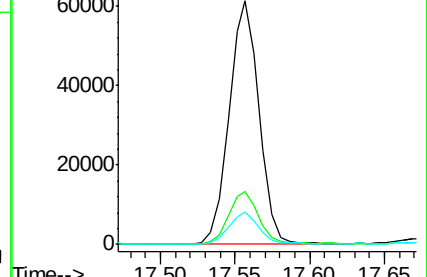
139 13.1 10.0 15.0



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: 43.22 ng/ul

RT: 19.21 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

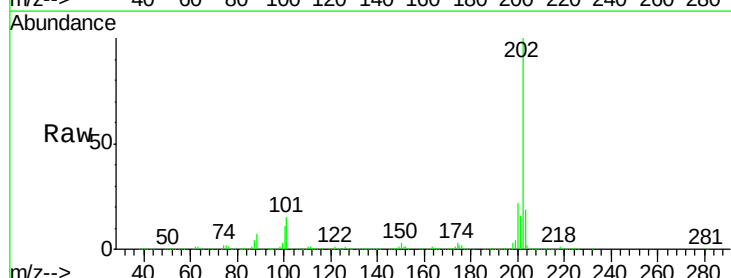
Tgt Ion:202 Resp: 846160

Ion Ratio Lower Upper

202 100

101 15.5 12.9 19.3

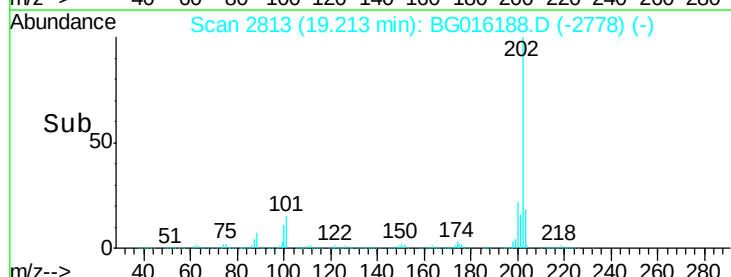
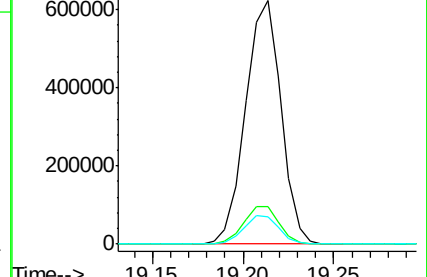
100 11.2 9.4 14.2

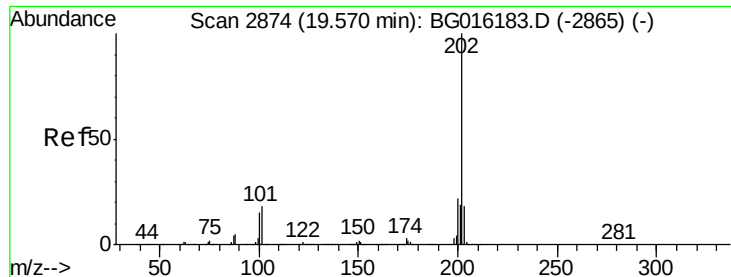


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 34.22 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. 0.00 min

Lab File: BG016188.D

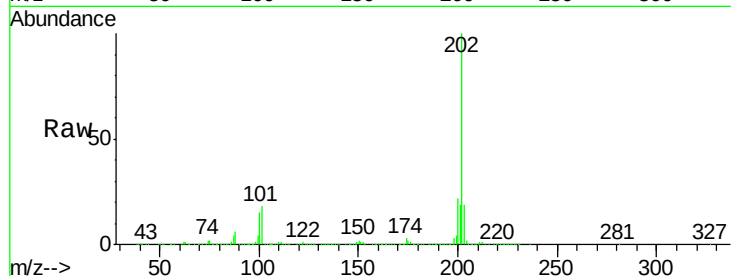
Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	659965
Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.6	21.8
100	15.2	12.1	18.1

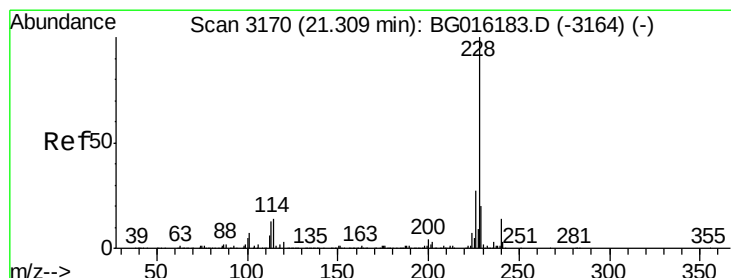
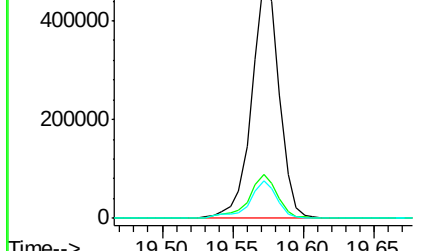
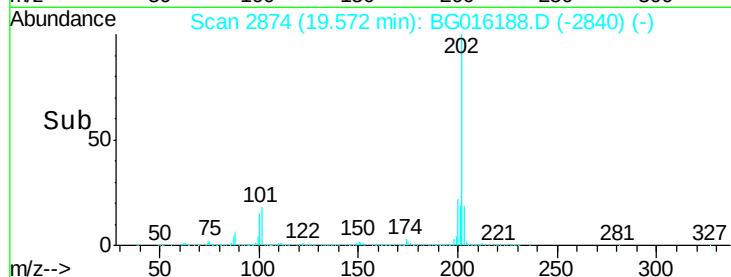


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 18.79 ng/ul

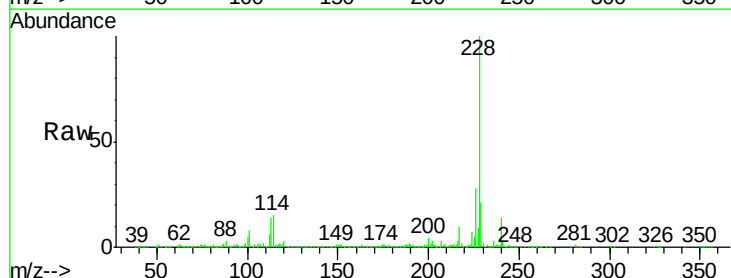
RT: 21.31 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Tgt Ion:	228	Resp:	333613
Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.2	24.4
226	28.3	22.4	33.6

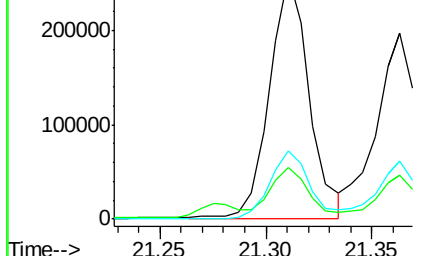
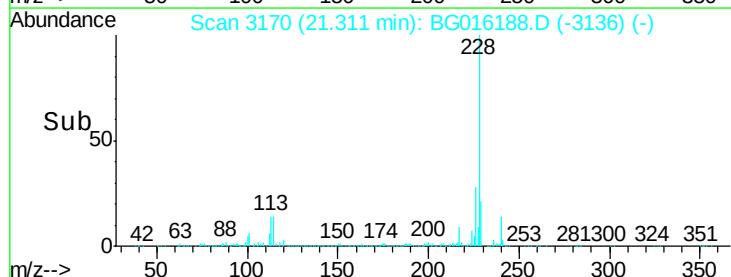


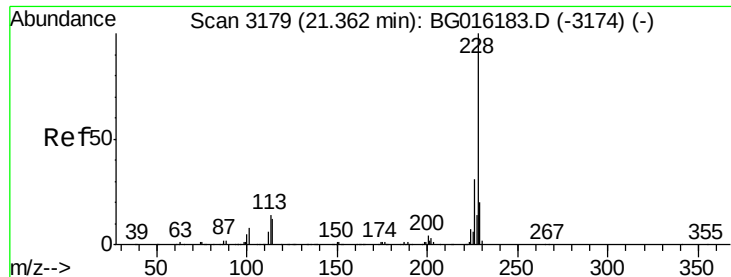
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#82

Chrysene

Concen: 15.67 ng/ul

RT: 21.36 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampleId :

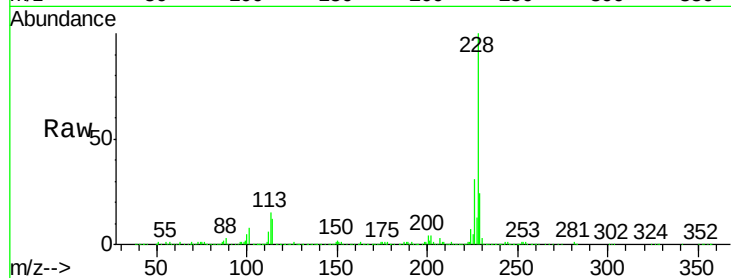
Tot Ion:228 Resp: 264679

Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

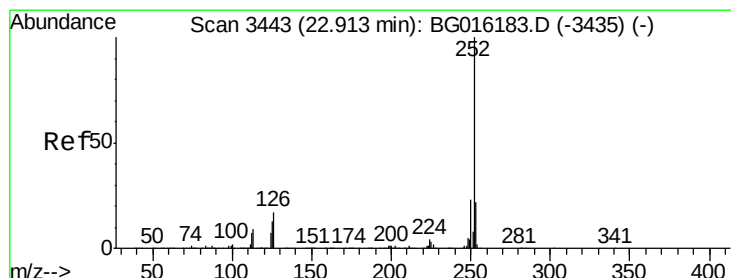
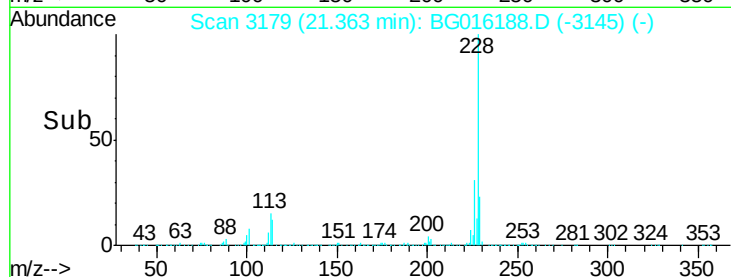
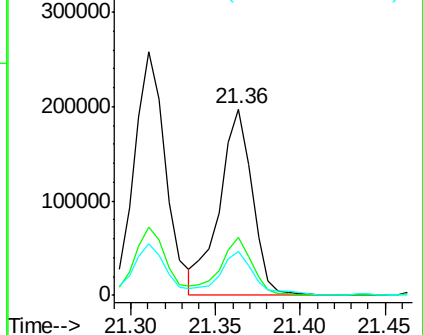
229 23.6 16.6 25.0



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

Benzo(b)fluoranthene

Concen: 16.55 ng/ul

RT: 22.93 min Scan# 3445

Delta R.T. 0.01 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

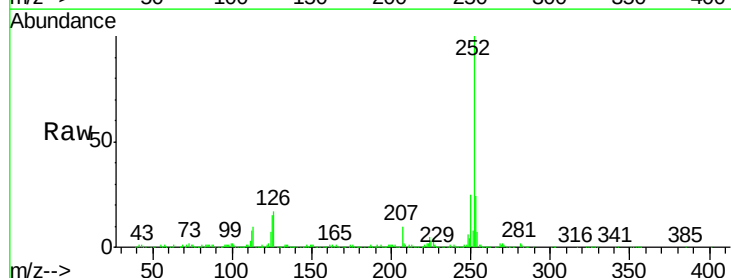
Tgt Ion:252 Resp: 299431

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

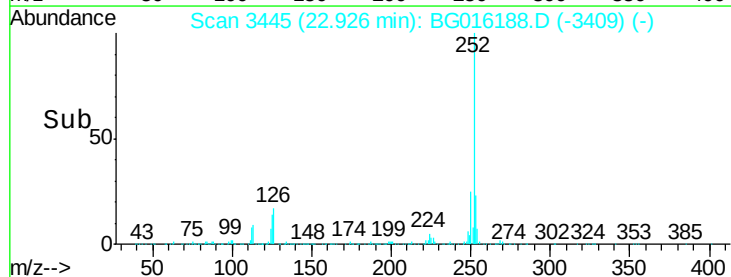
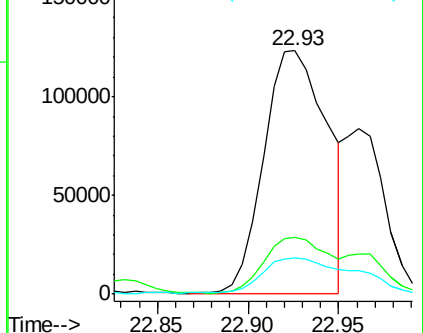
125 14.8 11.0 16.6

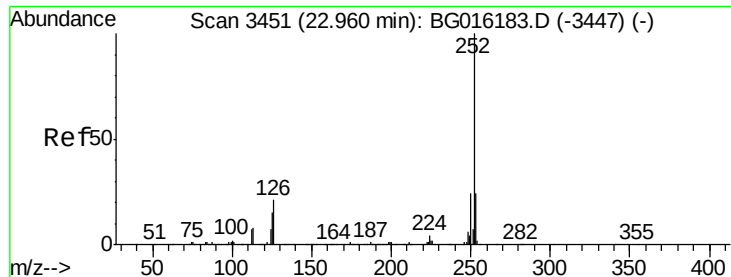


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

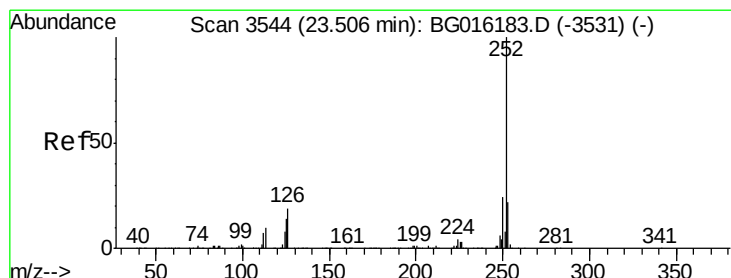
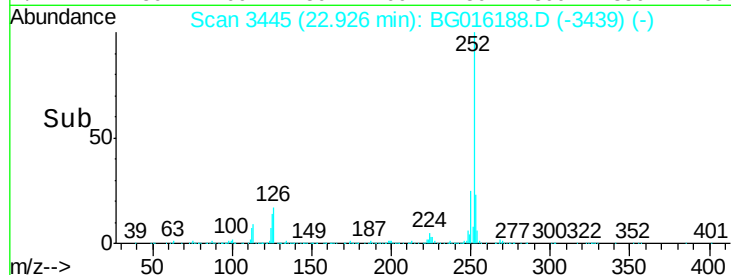
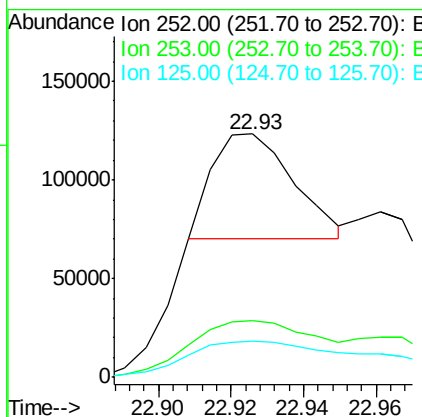
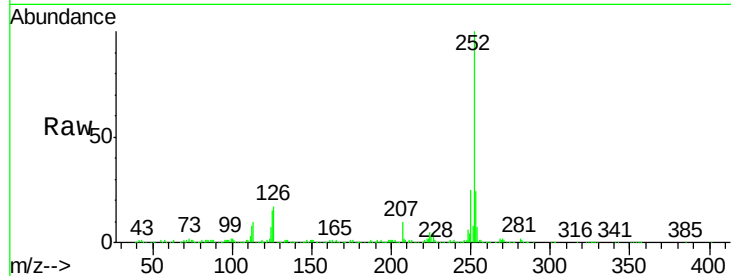




#86
Benzo(k)fluoranthene
Concen: 4.64 ng/ul
RT: 22.93 min Scan# 3445
Delta R.T. -0.03 min
Lab File: BG016188.D
Acq: 27 Mar 2015 22:56

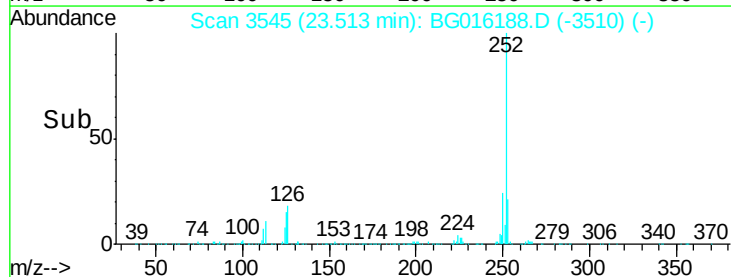
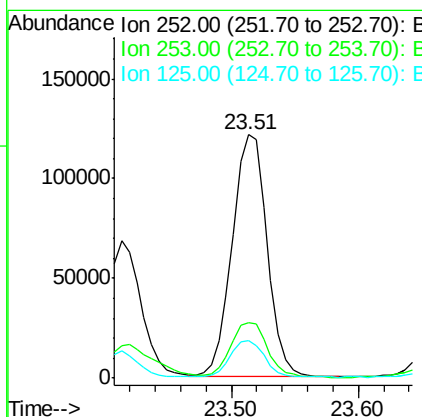
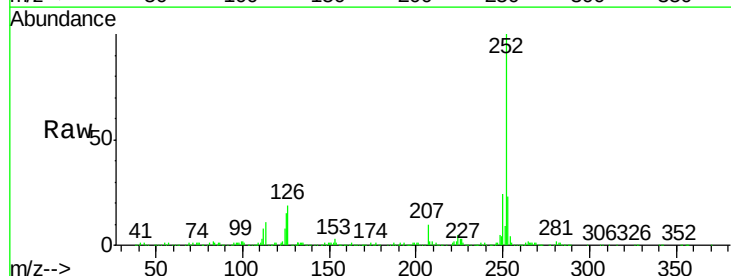
Instrument :
BNA_G
ClientSampled :

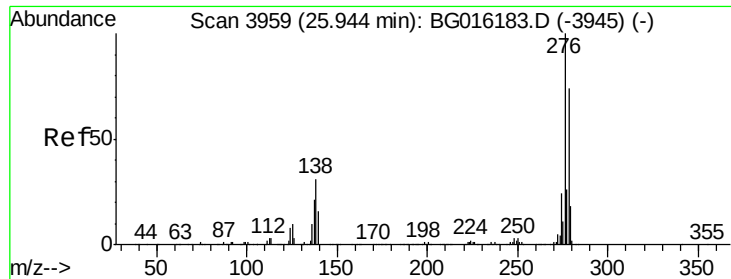
Tot Ion:252 Resp: 82917
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 14.8 10.7 16.1



#88
Benzo(a)pyrene
Concen: 12.81 ng/ul
RT: 23.51 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG016188.D
Acq: 27 Mar 2015 22:56

Tgt Ion:252 Resp: 230903
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 15.4 11.5 17.3

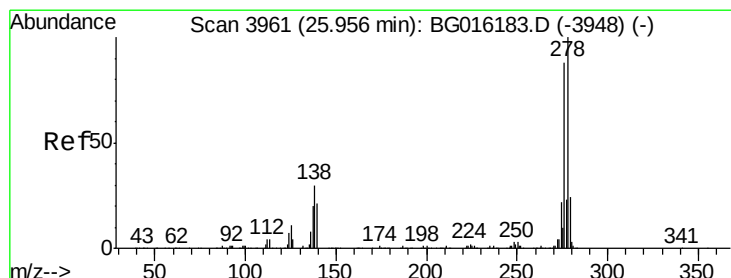
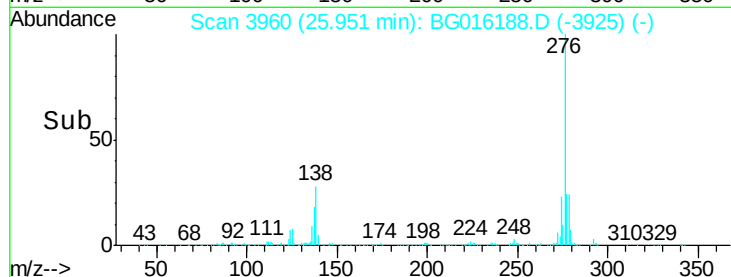
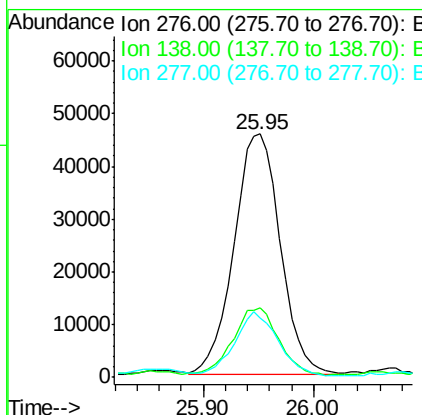
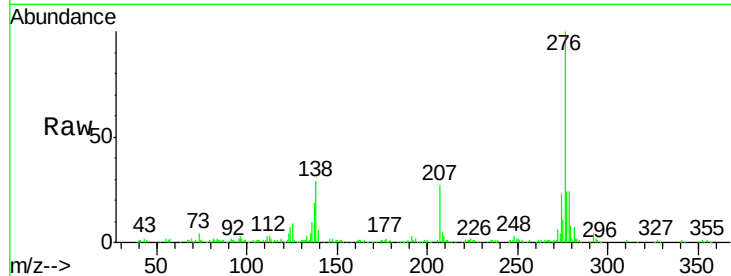




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.41 ng/ul
 RT: 25.95 min Scan# 3960
 Delta R.T. 0.01 min
 Lab File: BG016188.D
 Acq: 27 Mar 2015 22:56

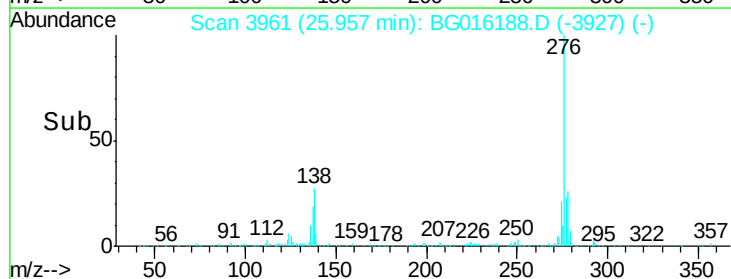
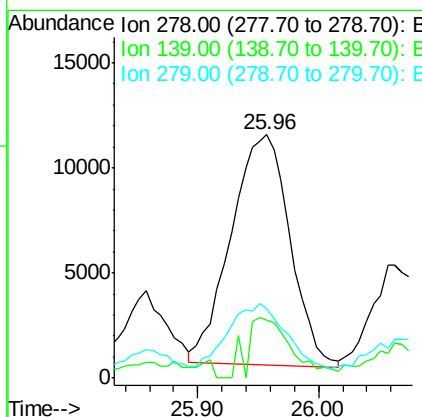
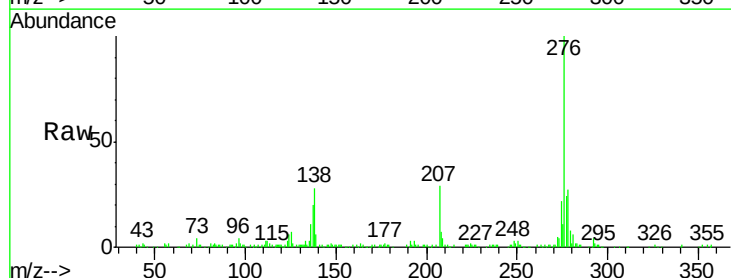
Instrument :
 BNA_G
 ClientSampleId :

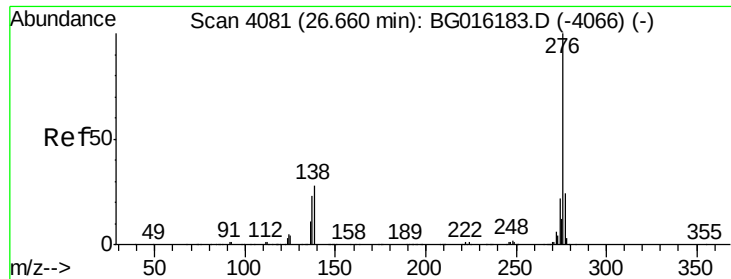
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	26.1	39.1
277	24.2	20.0	30.0



#90
 Dibenzo(a,h)anthracene
 Concen: 2.11 ng/ul
 RT: 25.96 min Scan# 3961
 Delta R.T. 0.00 min
 Lab File: BG016188.D
 Acq: 27 Mar 2015 22:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	17.8	26.6
279	28.4	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 5.64 ng/ul

RT: 26.66 min Scan# 4081

Delta R.T. 0.00 min

Lab File: BG016188.D

Acq: 27 Mar 2015 22:56

Instrument :

BNA_G

ClientSampleId :

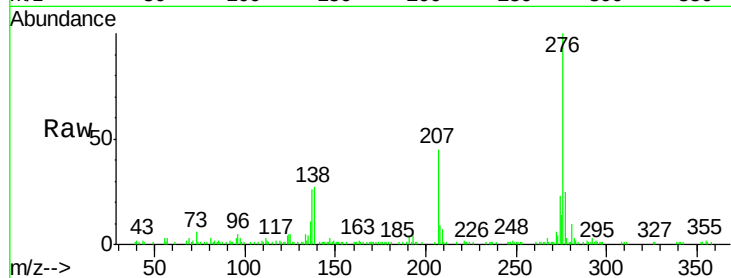
Tot Ion: 276 Resp: 98833

Ion Ratio Lower Upper

276 100

138 27.4 22.0 33.0

277 24.7 19.0 28.4



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

