

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121215\
 Data File : BG020106.D
 Acq On : 11 Dec 2015 12:15
 Operator : UM/SJ
 Sample : G4683-07DL2 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S31-15DL

Quant Time: Dec 11 14:39:29 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

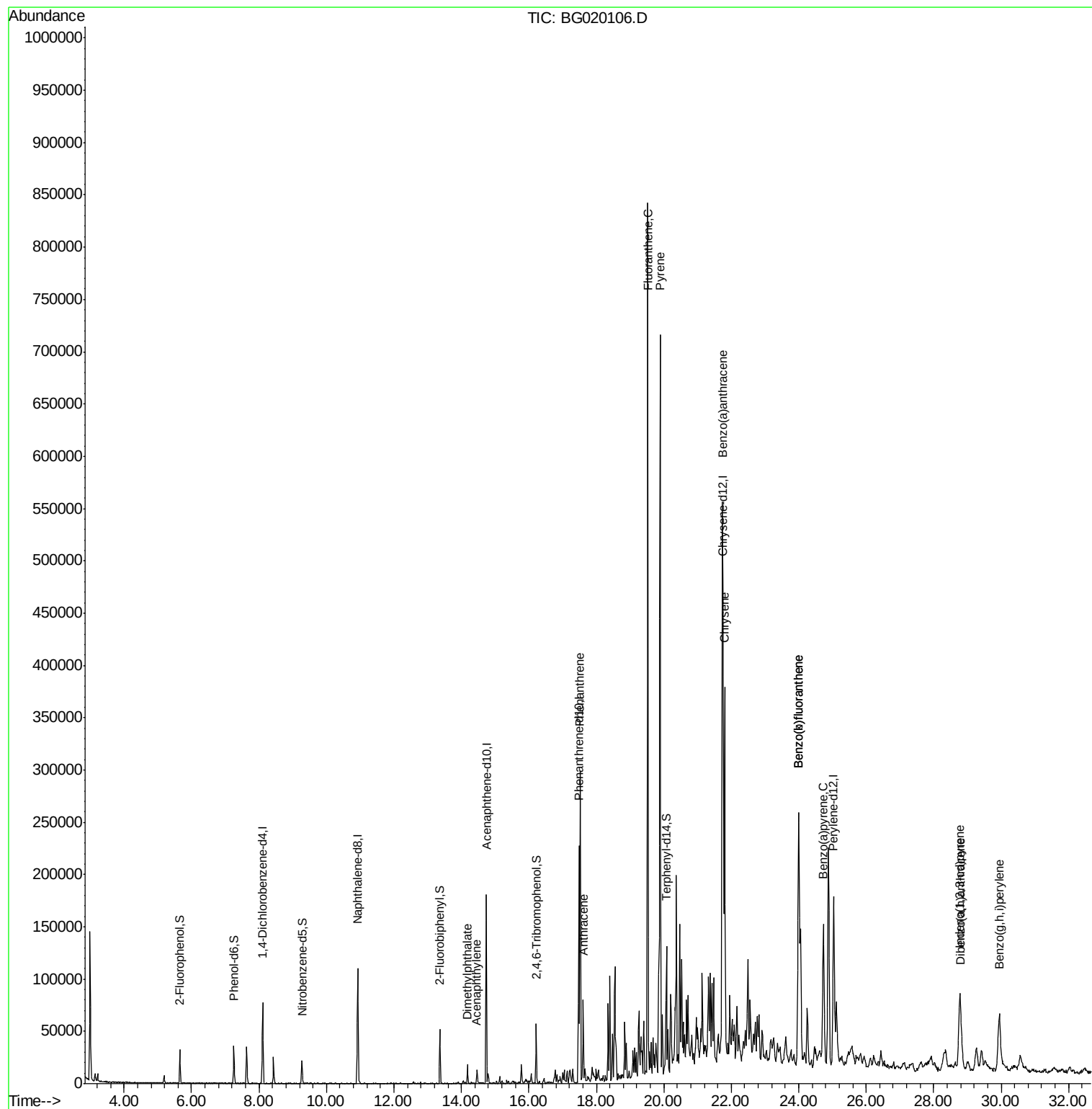
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	21095	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	92843	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	62483	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	149062	20.00	ng	-0.03
75) Chrysene-d12	21.76	240	177807	20.00	ng	-0.03
86) Perylene-d12	25.04	264	169359	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	13844	11.86	ng	-0.01
7) Phenol-d6	7.26	99	21642	12.28	ng	-0.02
23) Nitrobenzene-d5	9.27	82	14857	8.17	ng	-0.03
41) 2,4,6-Tribromophenol	16.22	330	9358	9.79	ng	-0.03
44) 2-Fluorobiphenyl	13.36	172	28424	6.21	ng	-0.03
78) Terphenyl-d14	20.08	244	47295	6.49	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	14.46	152	13795	2.05	ng	95
49) Dimethylphthalate	14.18	163	11583	2.06	ng	96
70) Phenanthrene	17.52	178	190833	22.63	ng	96
71) Anthracene	17.61	178	52658	6.13	ng	93
74) Fluoranthene	19.53	202	518869	48.10	ng	94
77) Pyrene	19.89	202	467560	44.70	ng	95
80) Benzo(a)anthracene	21.74	228	314352	28.88	ng	99
82) Chrysene	21.80	228	258515	25.02	ng	97
85) Indeno(1,2,3-cd)pyrene	28.77	276	136396	11.98	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	320877	29.89	ng	# 95
88) Benzo(k)fluoranthene	24.00	252	320877	30.19	ng	# 95
89) Benzo(a)pyrene	24.73	252	147790	14.50	ng	99
90) Dibenzo(a,h)anthracene	28.81	278	37475	3.72	ng	# 89
91) Benzo(g,h,i)perylene	29.95	276	124152	12.56	ng	# 89

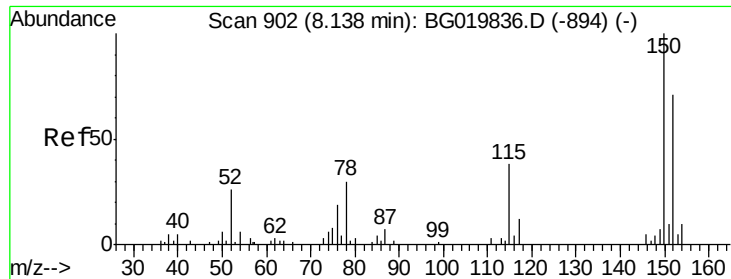
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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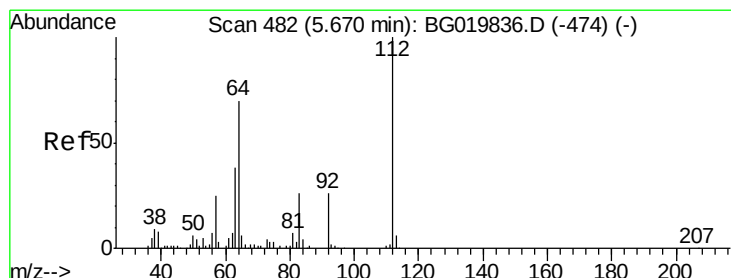
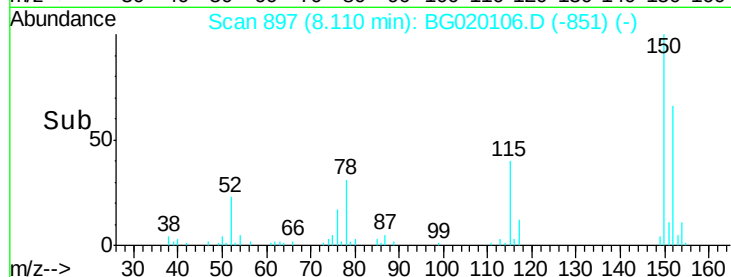
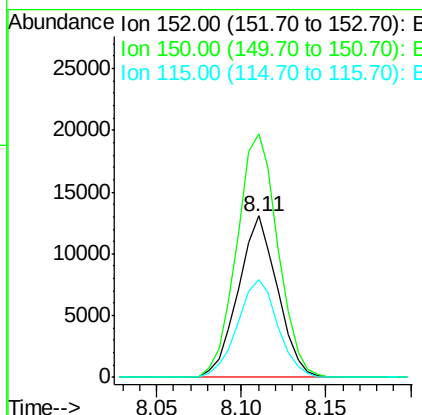
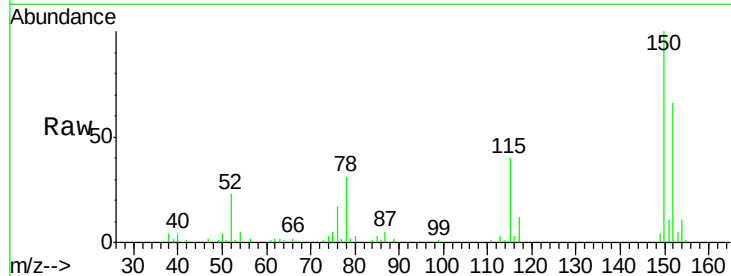


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Instrument :
BNA_G
ClientSampleId :
S31-15DL

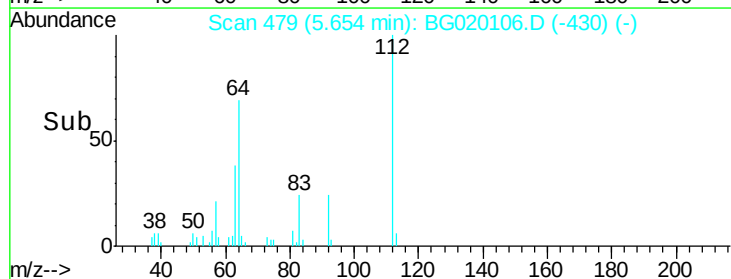
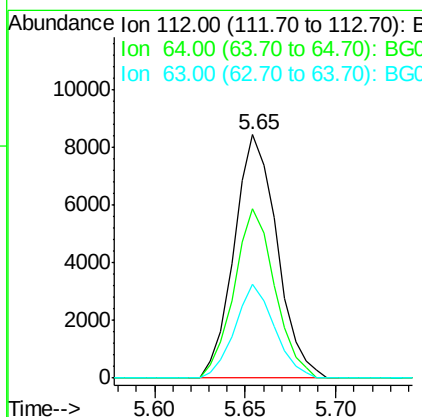
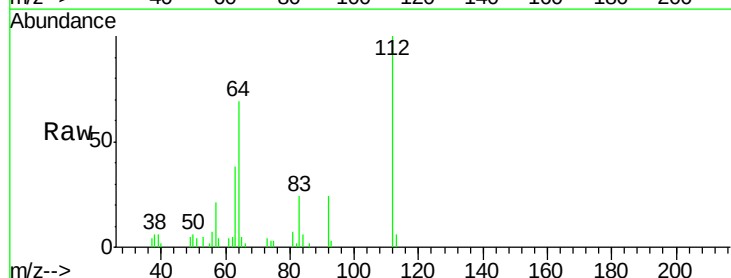
Tot Ion:152 Resp: 21095
Ion Ratio Lower Upper
152 100
150 151.1 115.0 172.4
115 60.3 43.9 65.9

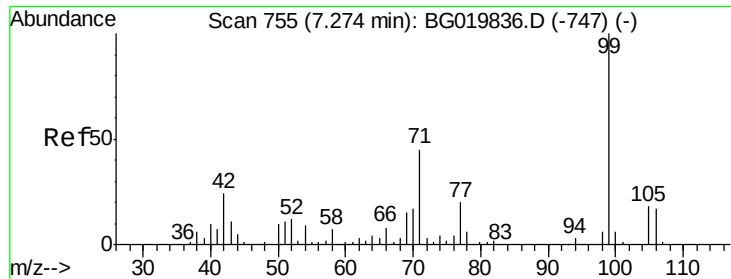


#5

2-Fluorophenol
Concen: 11.86 ng
RT: 5.65 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Tgt Ion:112 Resp: 13844
Ion Ratio Lower Upper
112 100
64 69.4 43.7 65.5#
63 38.4 24.0 36.0#





#7

Phenol-d6

Concen: 12.28 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

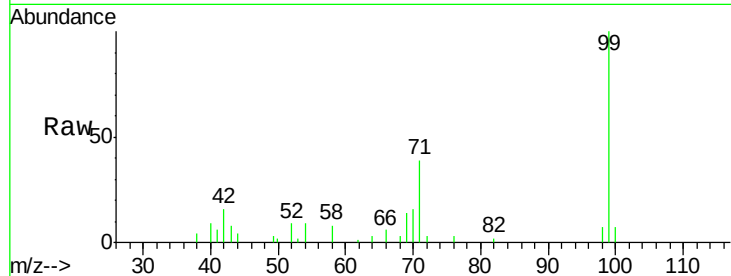
Tot Ion: 99 Resp: 21642

Ion Ratio Lower Upper

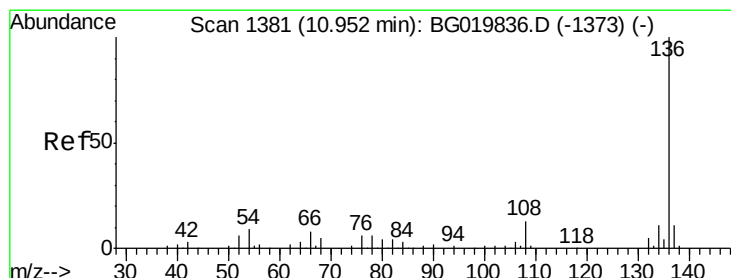
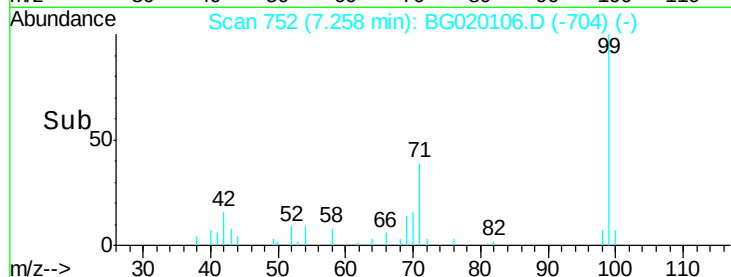
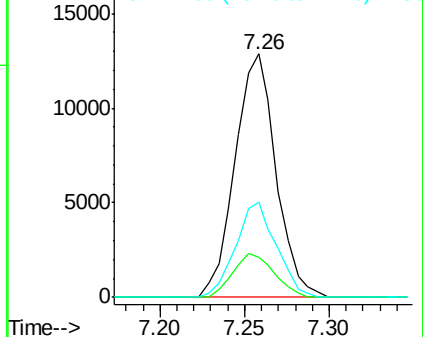
99 100

42 16.4 11.5 17.3

71 38.9 22.6 34.0#



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: 10.92 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Tgt Ion: 136 Resp: 92843

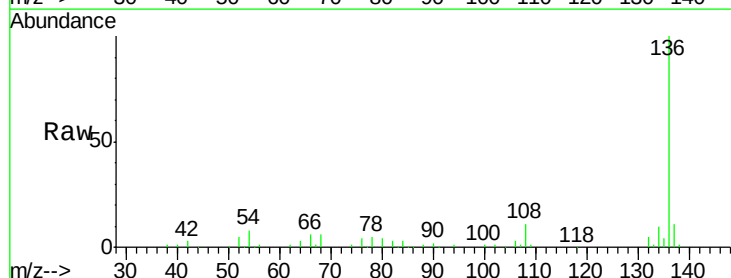
Ion Ratio Lower Upper

136 100

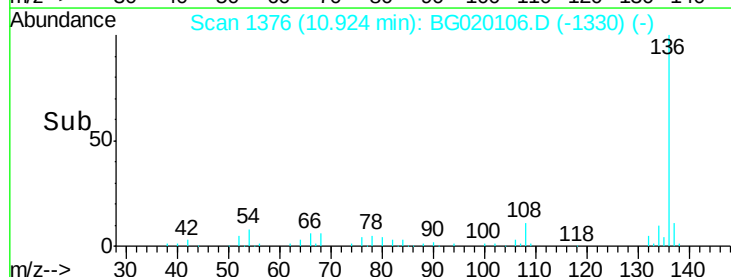
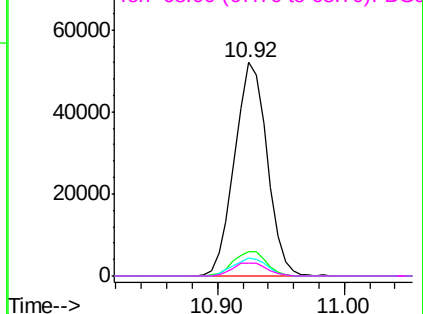
137 11.3 8.6 12.8

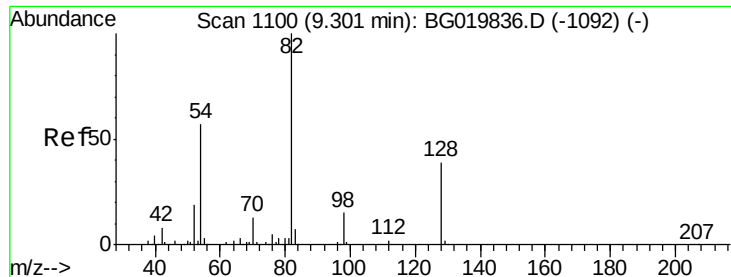
54 8.2 5.4 8.2#

68 5.8 5.3 7.9



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

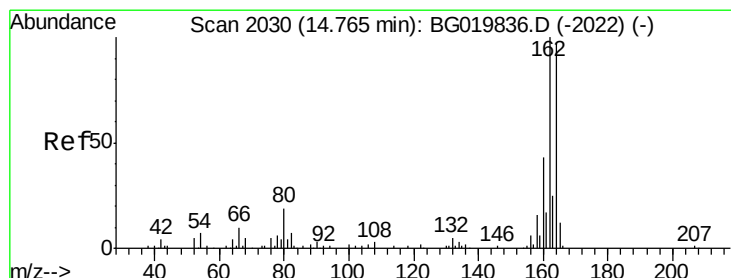
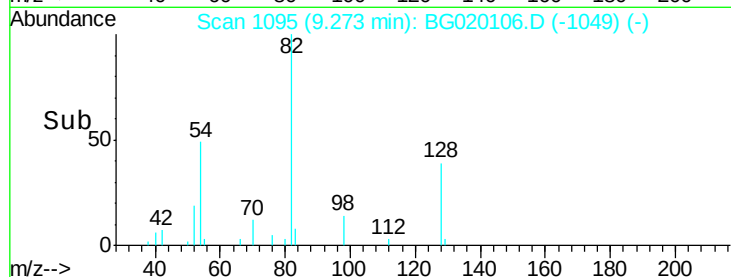
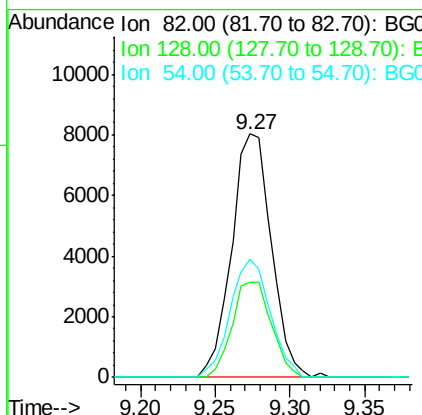
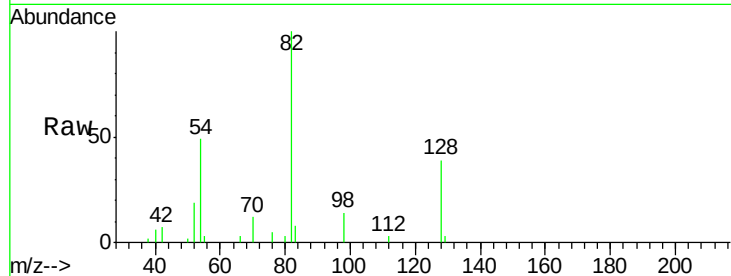




#23
 Nitrobenzene-d5
 Concen: 8.17 ng
 RT: 9.27 min Scan# 1095
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

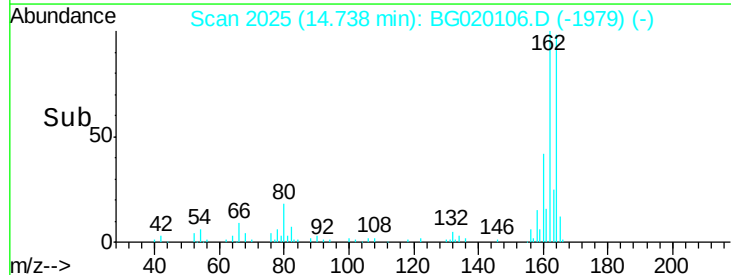
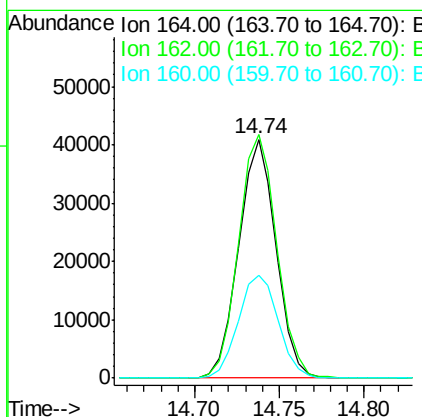
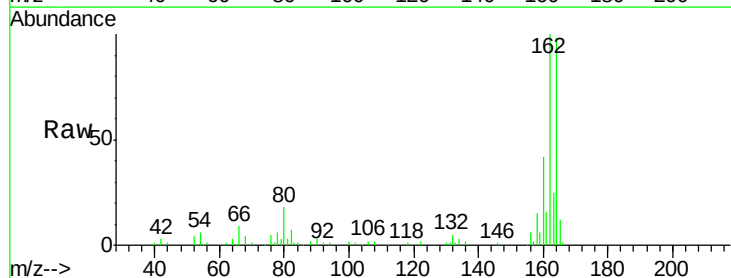
Instrument :
 BNA_G
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 S31-15DL

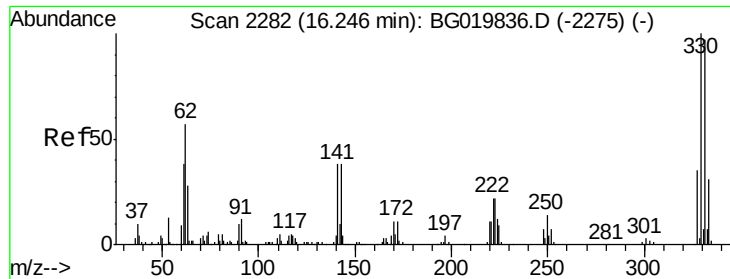
Tot Ion	82	Resp	14857
Ion Ratio	Lower	Upper	
82	100		
128	39.0	36.7	55.1
54	48.6	33.8	50.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

Tgt Ion	164	Resp	62483
Ion Ratio	Lower	Upper	
164	100		
162	101.8	78.8	118.2
160	43.1	36.4	54.6

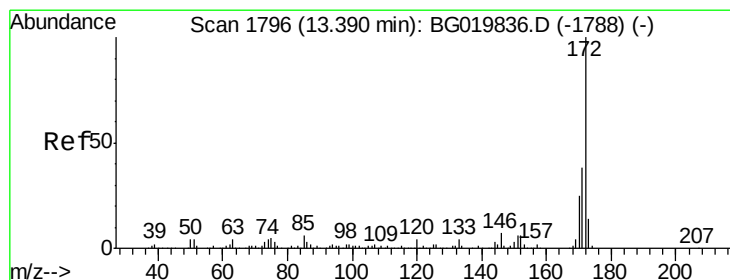
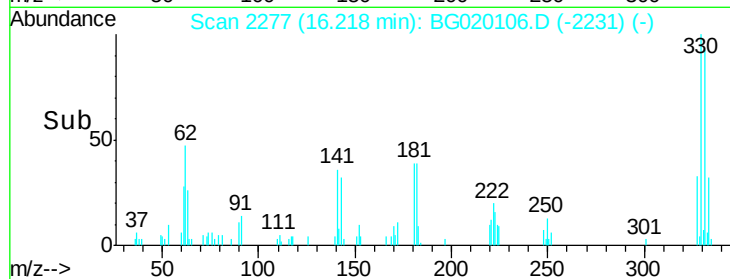
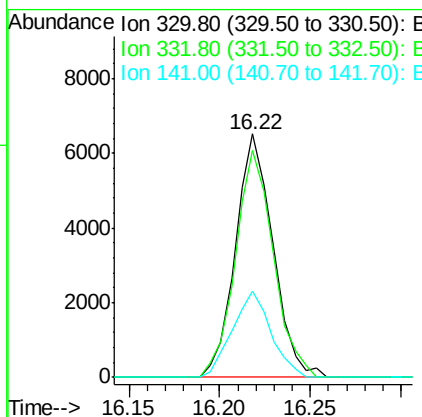
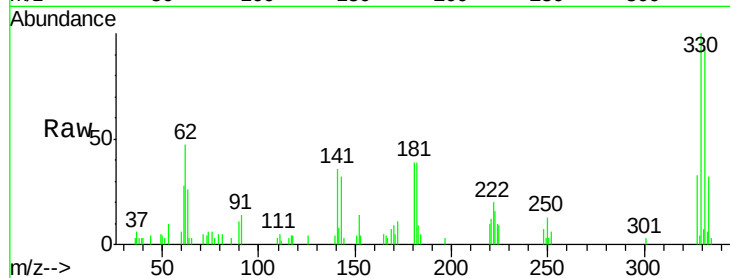




#41
 2,4,6-Tribromophenol
 Concen: 9.79 ng
 RT: 16.22 min Scan# 2277
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

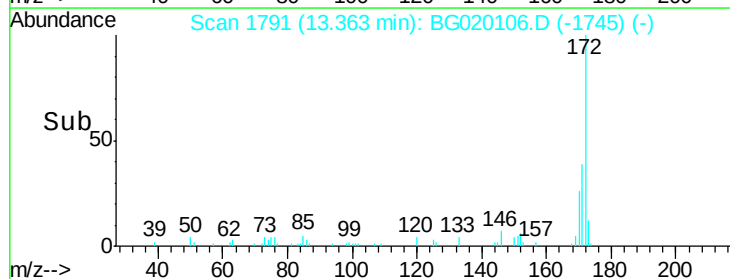
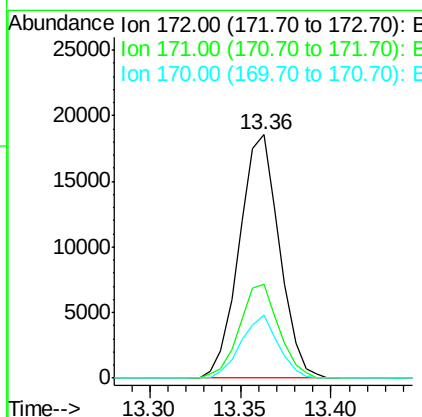
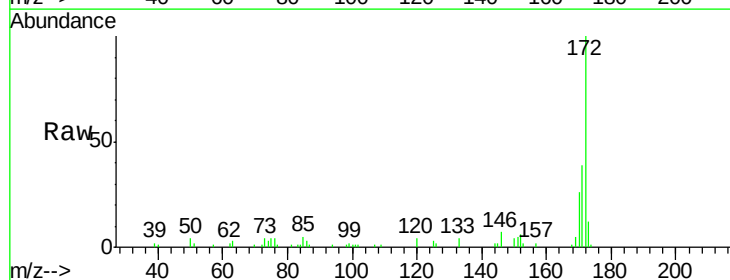
Instrument :
 BNA_G
 ClientSampleId :
 S31-15DL

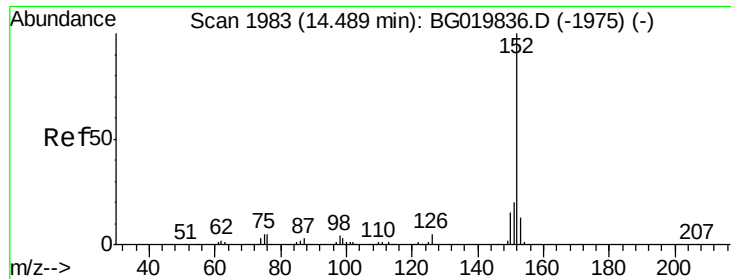
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.1	117.1
141	36.2	28.2	42.2



#44
 2-Fluorobiphenyl
 Concen: 6.21 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.0	43.6
170	25.8	19.9	29.9





#48

Acenaphthylene

Concen: 2.05 ng

RT: 14.46 min Scan# 1978

Delta R.T. -0.03 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

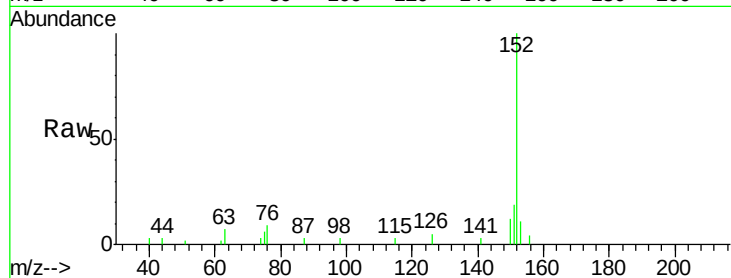
Tot Ion:152 Resp: 13795

Ion Ratio Lower Upper

152 100

151 18.8 17.0 25.4

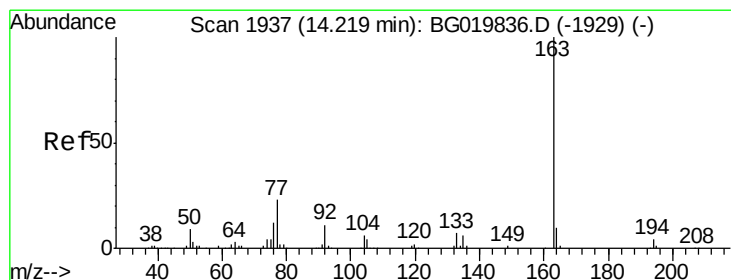
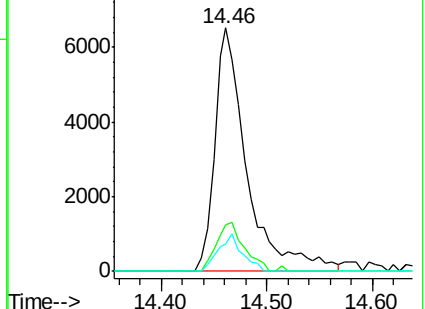
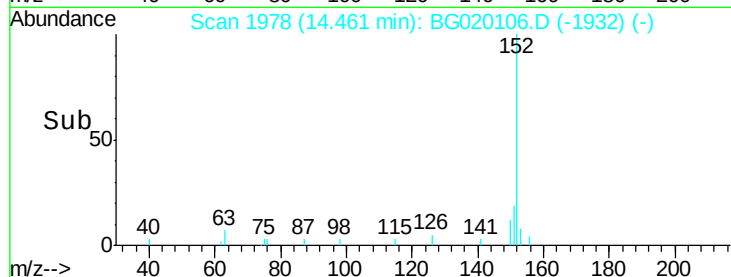
153 11.3 10.4 15.6



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



#49

Dimethylphthalate

Concen: 2.06 ng

RT: 14.18 min Scan# 1930

Delta R.T. -0.04 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

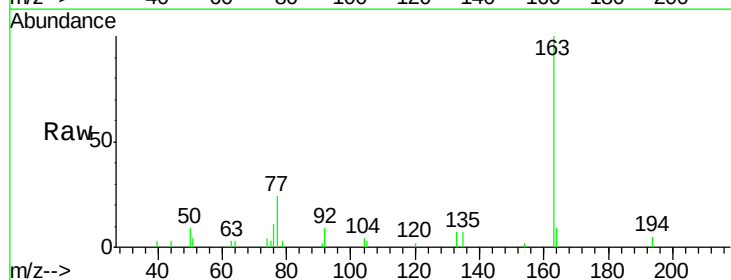
Tgt Ion:163 Resp: 11583

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

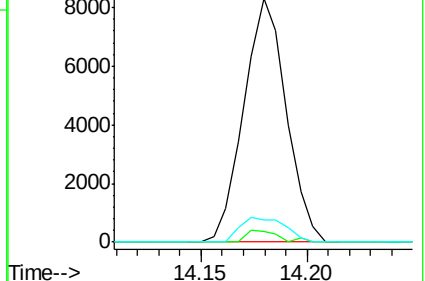
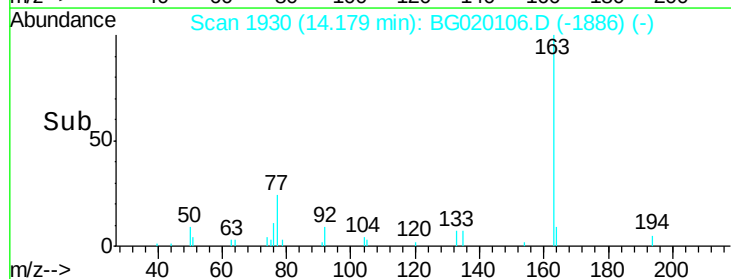
164 9.2 8.8 13.2

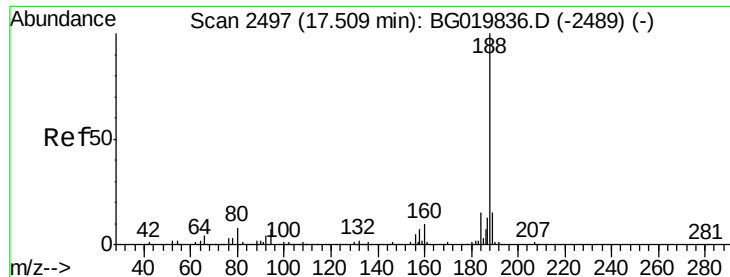


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

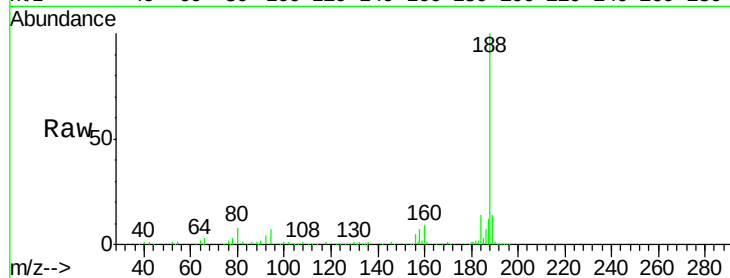




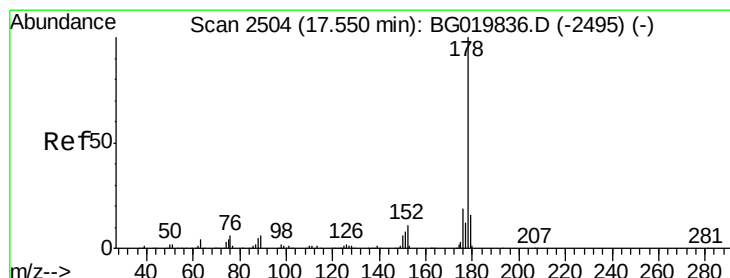
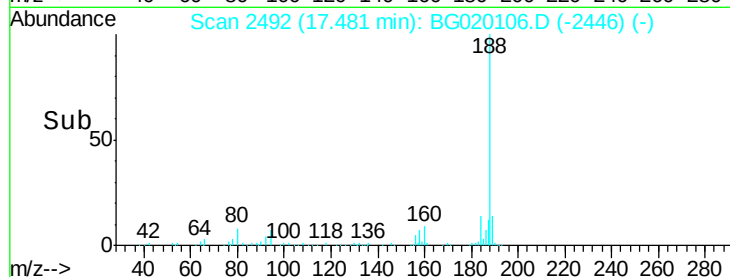
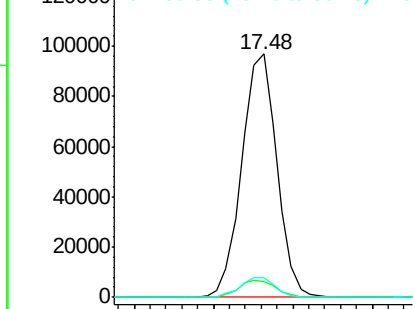
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Instrument :
BNA_G
ClientSampleId :
S31-15DL

Tot Ion:188 Resp: 149062
Ion Ratio Lower Upper
188 100
94 6.7 7.7 11.5#
80 7.9 7.8 11.8

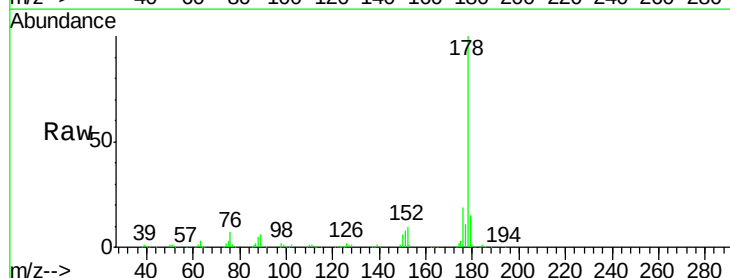


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

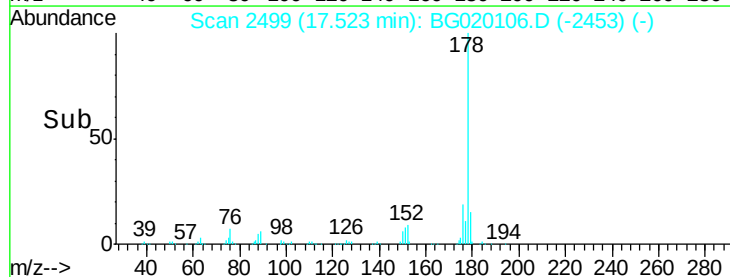
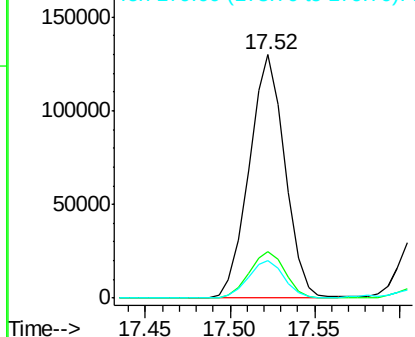


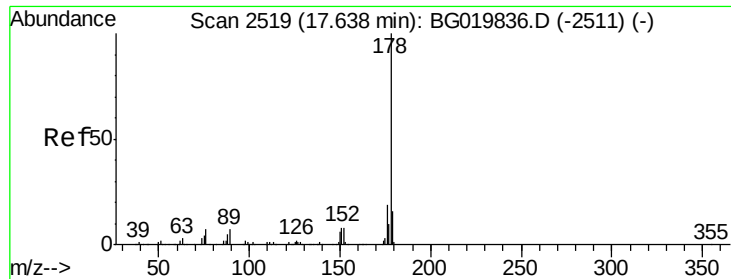
#70
Phenanthrene
Concen: 22.63 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Tgt Ion:178 Resp: 190833
Ion Ratio Lower Upper
178 100
176 19.2 16.7 25.1
179 15.2 13.9 20.9



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

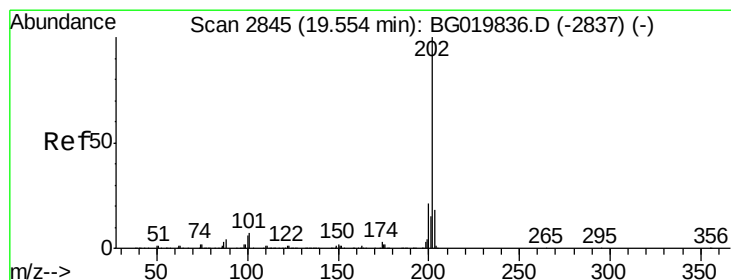
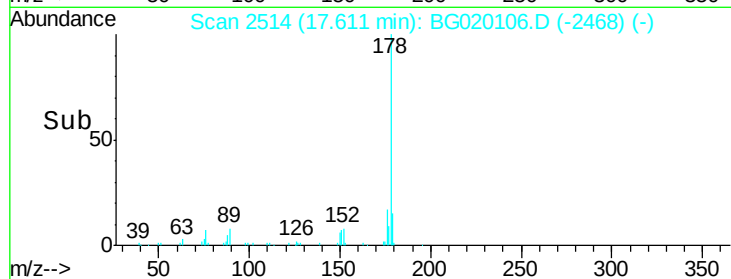
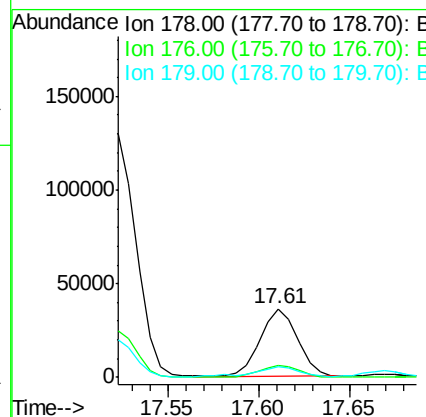
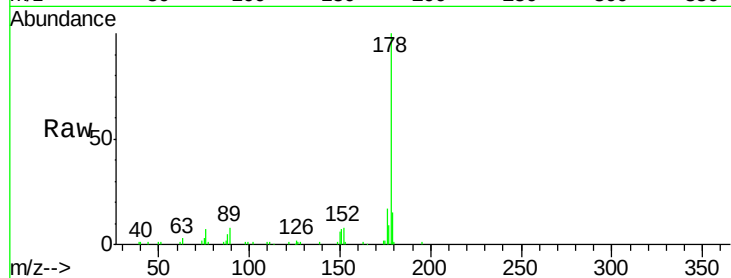




#71
 Anthracene
 Concen: 6.13 ng
 RT: 17.61 min Scan# 2514
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

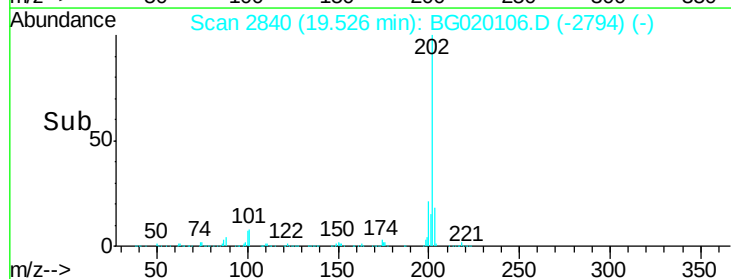
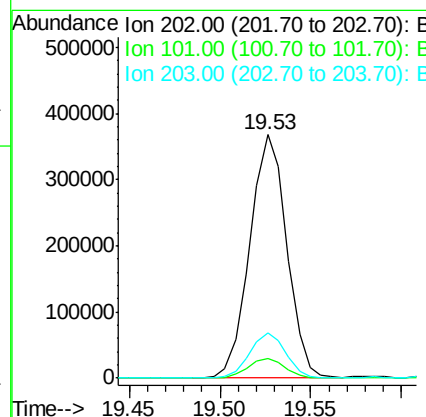
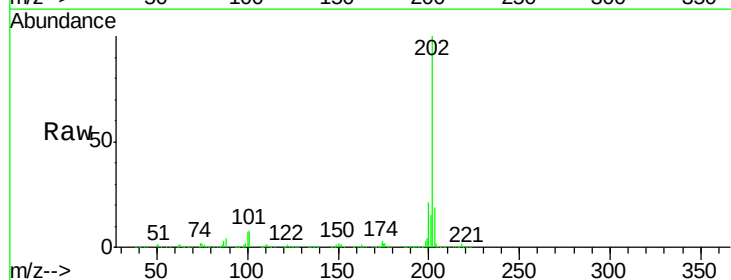
Instrument :
 BNA_G
 ClientSampleId :
 S31-15DL

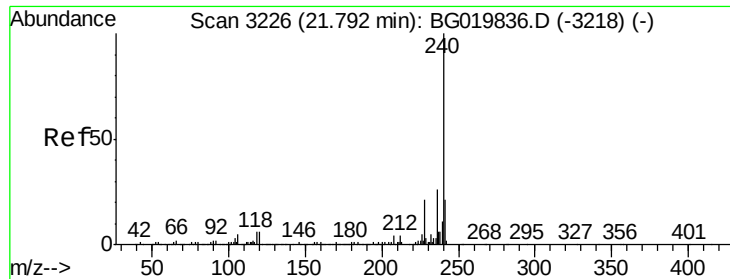
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	16.8	25.2
179	15.0	13.9	20.9



#74
 Fluoranthene
 Concen: 48.10 ng
 RT: 19.53 min Scan# 2840
 Delta R.T. -0.03 min
 Lab File: BG020106.D
 Acq: 11 Dec 2015 12:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	32.4
203	18.5	0.0	39.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.03 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

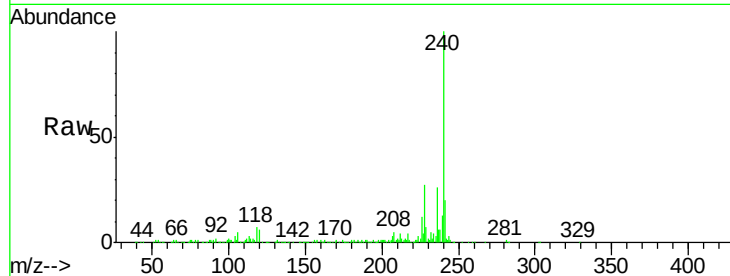
Tot Ion:240 Resp: 177807

Ion Ratio Lower Upper

240 100

120 6.4 7.4 11.0#

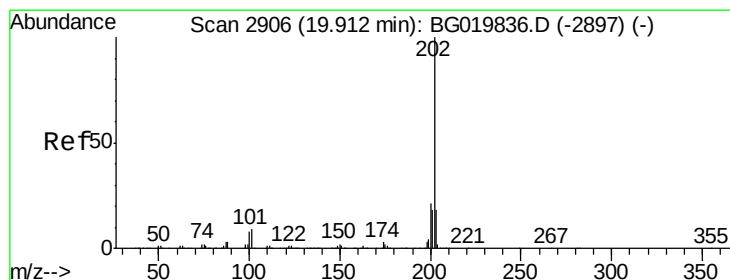
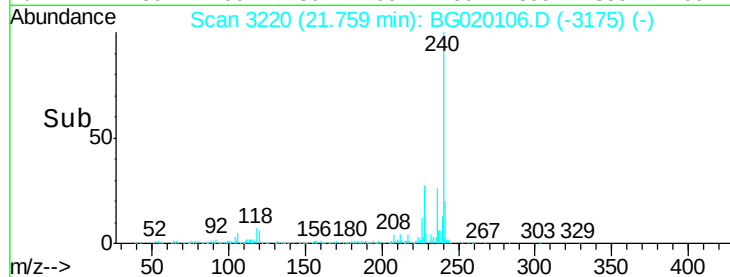
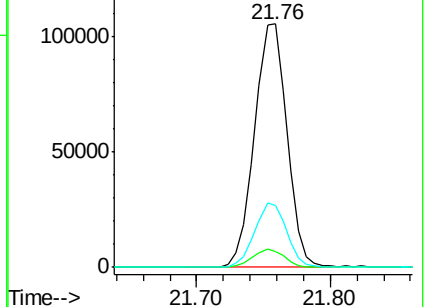
236 25.6 20.7 31.1



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: 44.70 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

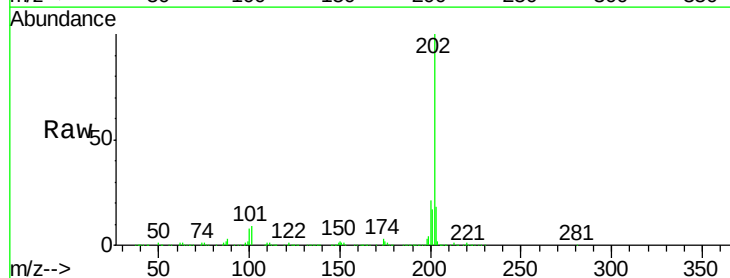
Tgt Ion:202 Resp: 467560

Ion Ratio Lower Upper

202 100

200 21.2 19.4 29.0

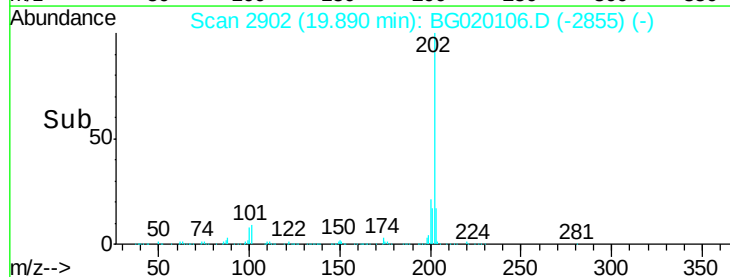
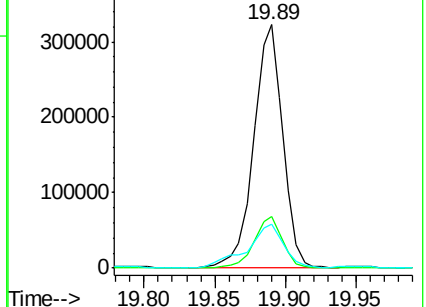
203 18.2 15.5 23.3

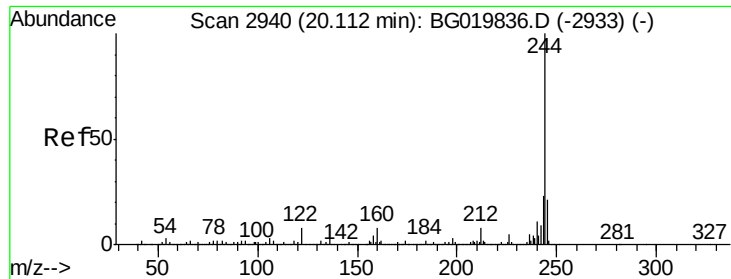


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.49 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.03 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

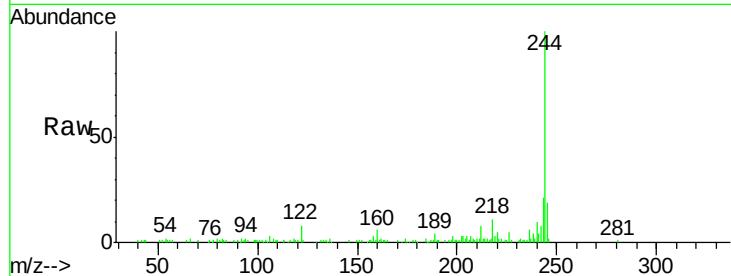
Tot Ion:244 Resp: 47295

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

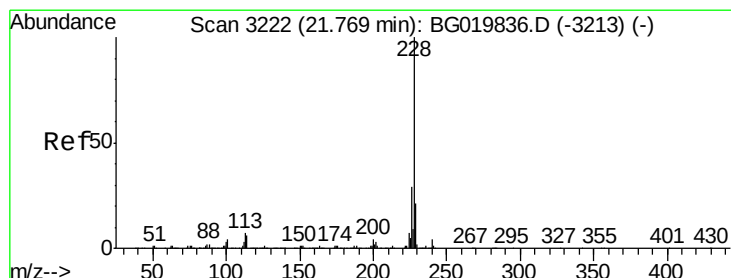
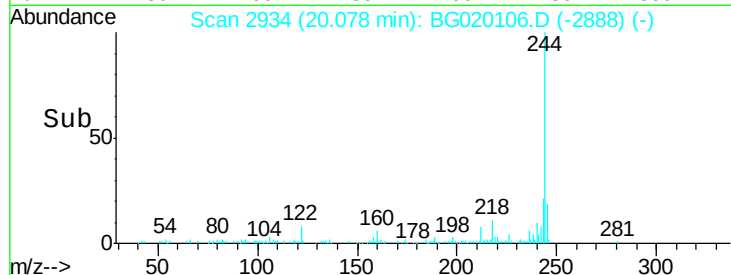
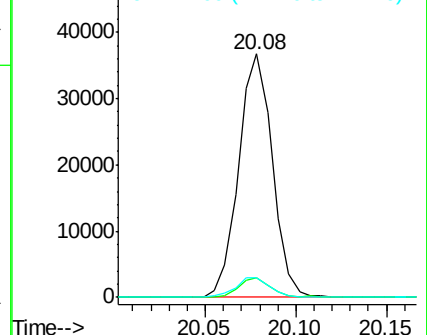
122 7.9 10.2 15.2#



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: 28.88 ng

RT: 21.74 min Scan# 3216

Delta R.T. -0.03 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

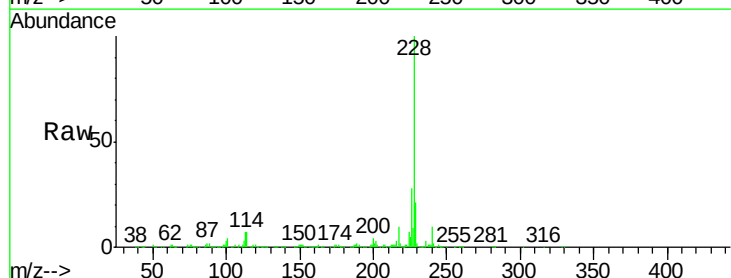
Tgt Ion:228 Resp: 314352

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.0

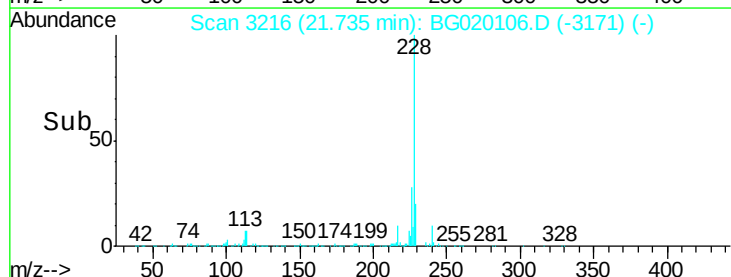
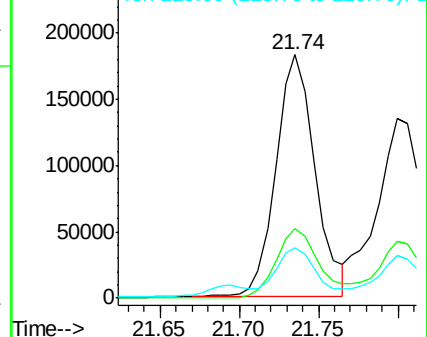
229 20.9 16.6 25.0

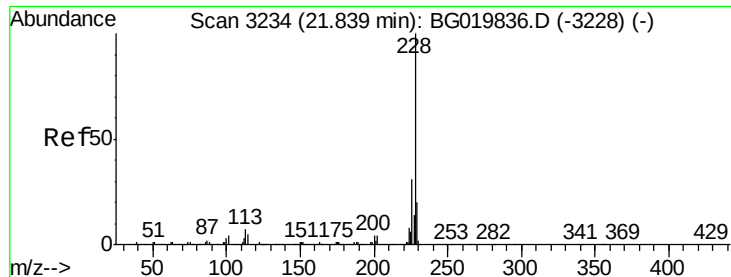


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 25.02 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

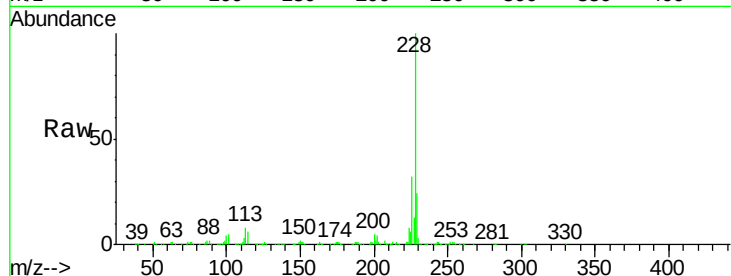
Tot Ion:228 Resp: 258515

Ion Ratio Lower Upper

228 100

226 32.0 26.7 40.1

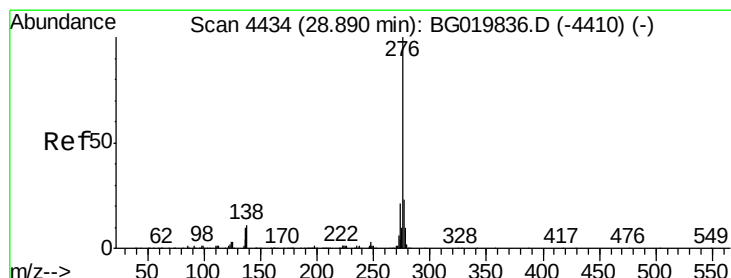
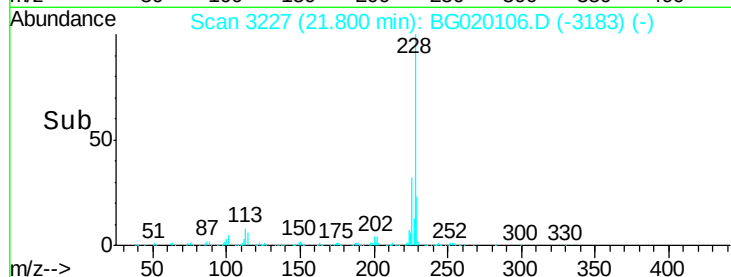
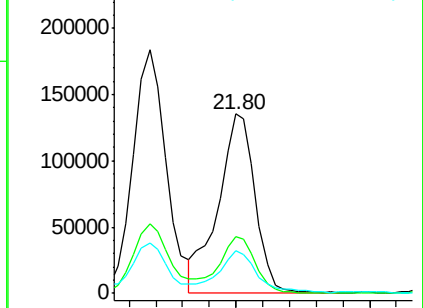
229 23.6 17.0 25.6



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: 11.98 ng

RT: 28.77 min Scan# 4414

Delta R.T. -0.12 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

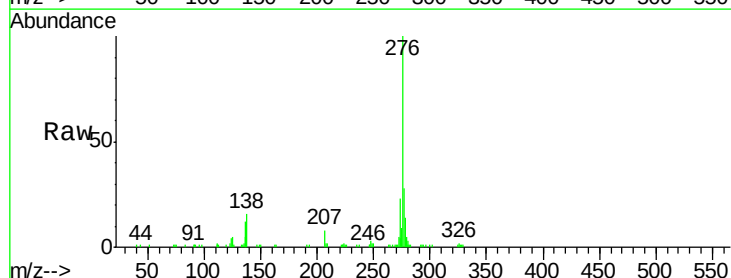
Tgt Ion:276 Resp: 136396

Ion Ratio Lower Upper

276 100

138 15.8 0.0 0.0#

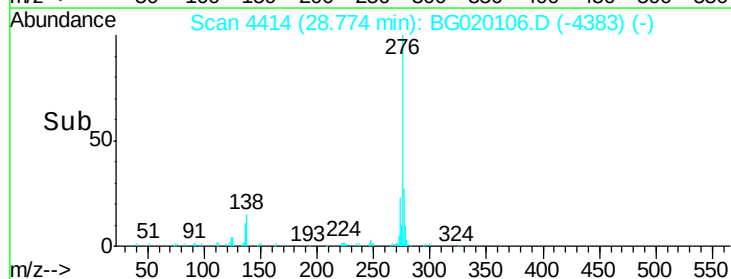
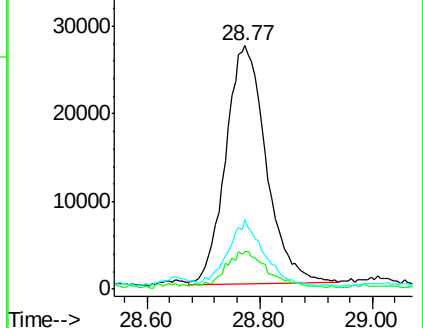
277 24.3 0.0 0.0#

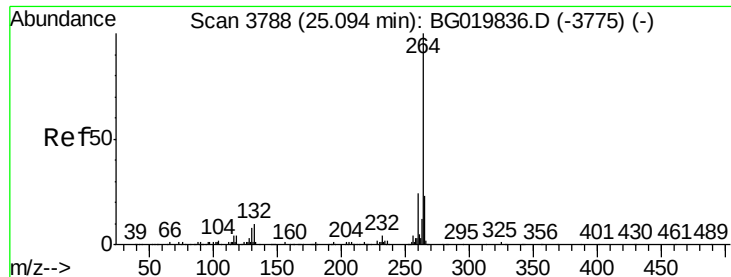


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

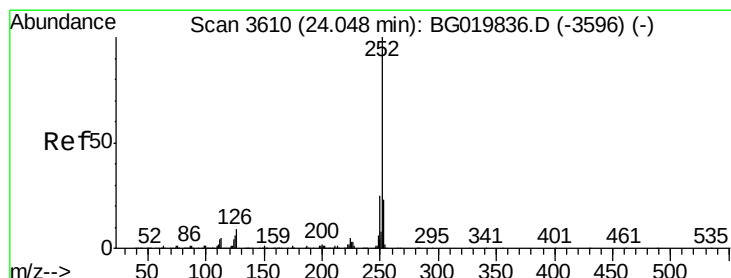
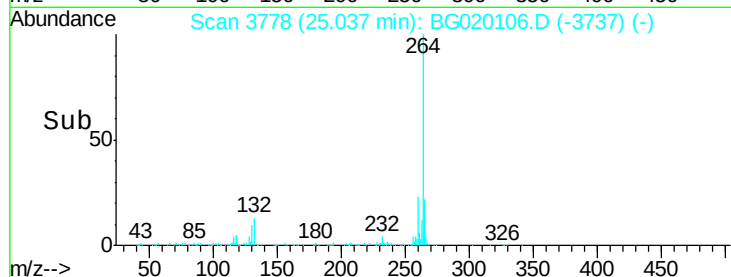
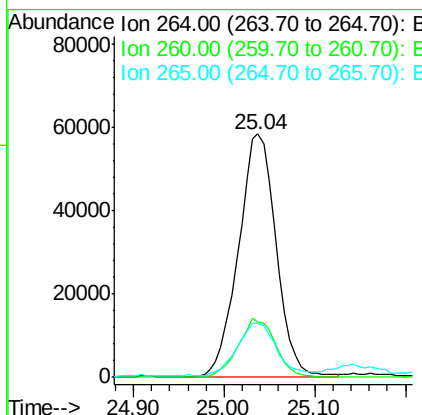
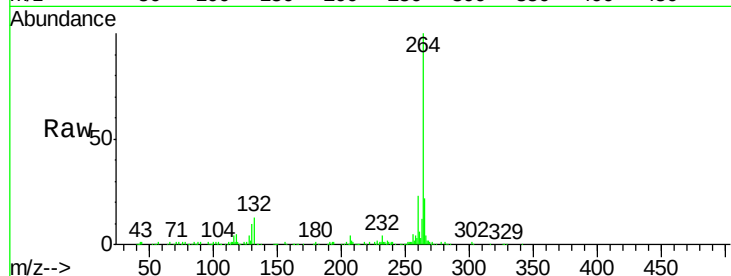




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.06 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

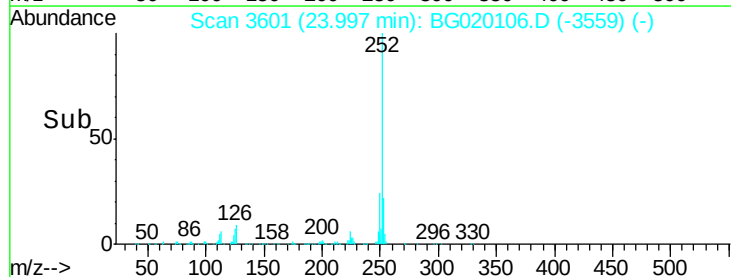
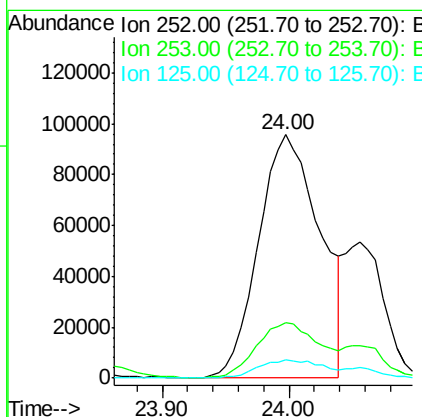
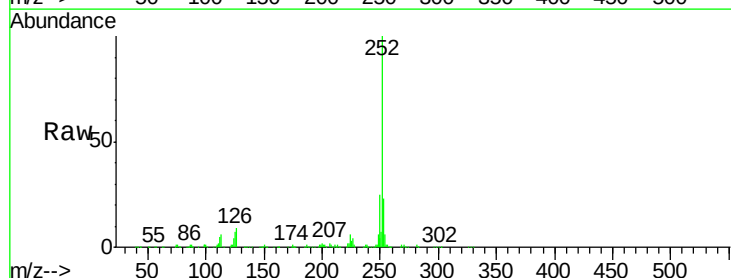
Instrument :
BNA_G
ClientSampleId :
S31-15DL

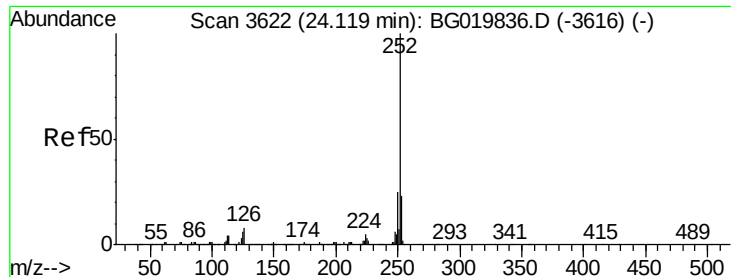
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	22.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 29.89 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.05 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.1	28.7
125	7.3	8.9	13.3

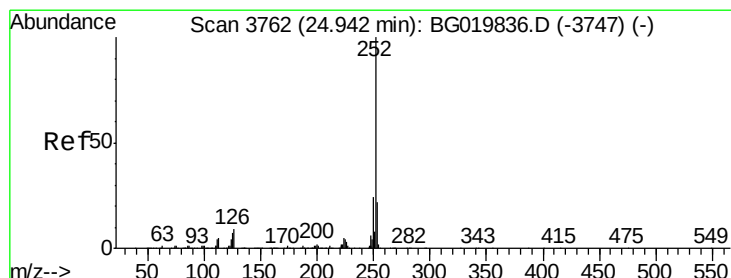
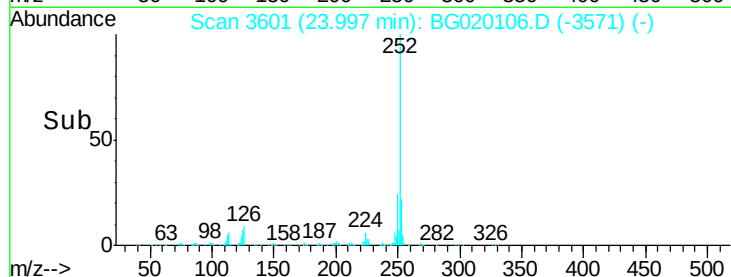
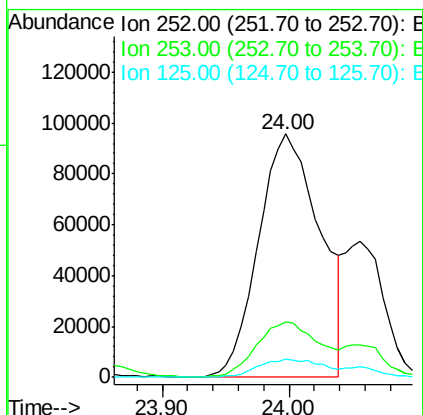
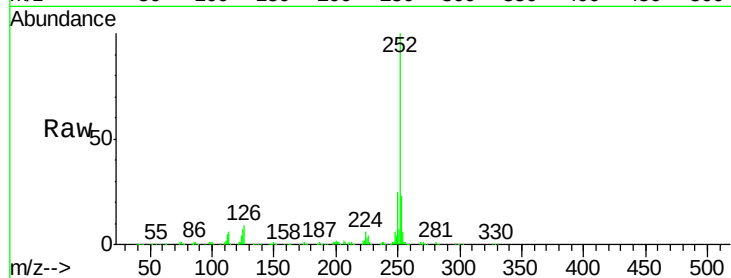




#88
Benzo(k)fluoranthene
Concen: 30.19 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.12 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

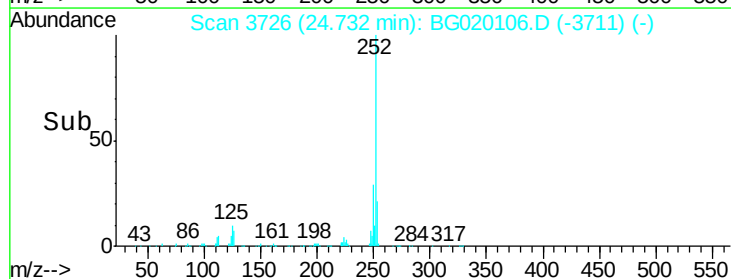
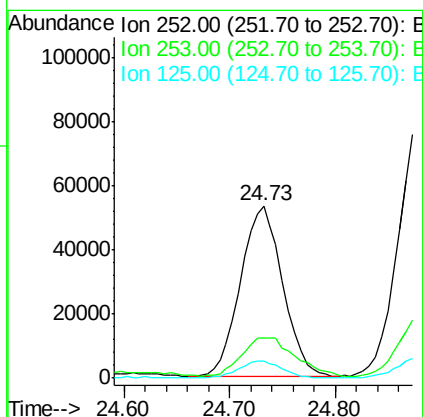
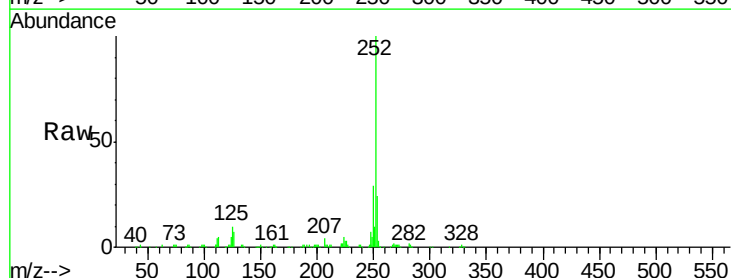
Instrument :
BNA_G
ClientSampleId :
S31-15DL

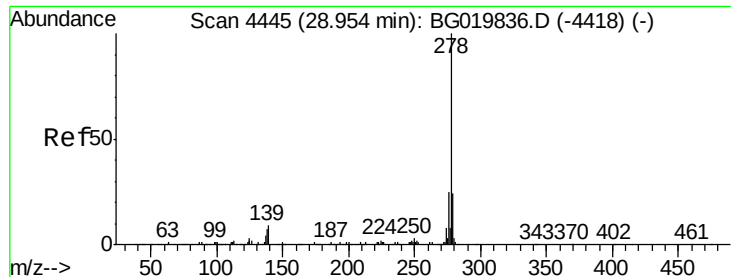
Tot Ion:252 Resp: 320877
Ion Ratio Lower Upper
252 100
253 22.7 19.0 28.4
125 7.3 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 14.50 ng
RT: 24.73 min Scan# 3726
Delta R.T. -0.21 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

Tgt Ion:252 Resp: 147790
Ion Ratio Lower Upper
252 100
253 23.6 18.7 28.1
125 10.0 9.1 13.7





#90

Dibenzo(a,h)anthracene

Concen: 3.72 ng

RT: 28.81 min Scan# 4420

Delta R.T. -0.15 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

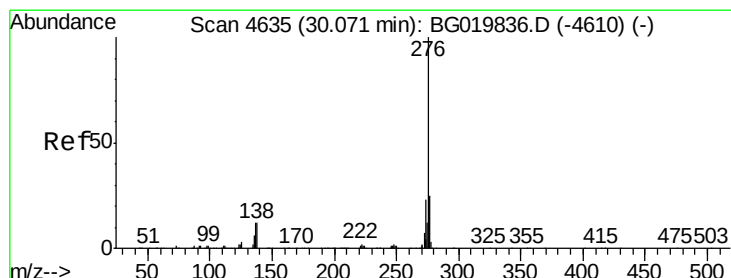
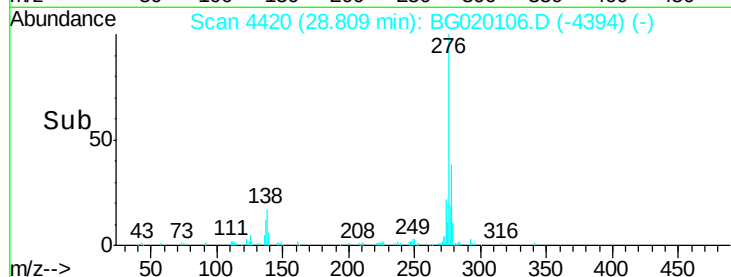
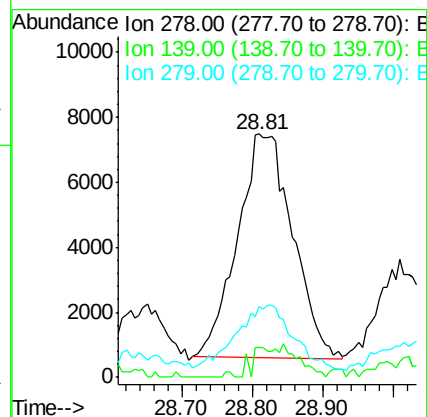
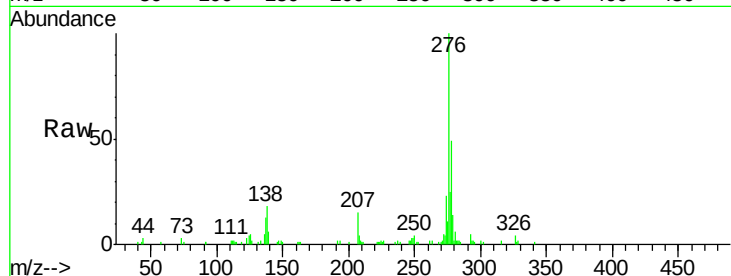
Tot Ion:278 Resp: 37475

Ion Ratio Lower Upper

278 100

139 12.4 13.8 20.6#

279 29.3 19.4 29.0#



#91

Benzo(g,h,i)perylene

Concen: 12.56 ng

RT: 29.95 min Scan# 4614

Delta R.T. -0.12 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Tgt Ion:276 Resp: 124152

Ion Ratio Lower Upper

276 100

277 25.7 18.4 27.6

138 14.0 17.4 26.0#

