

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

Instrument :
 BNA_G
 ClientSampleId :
 S31-15DL

Quant Time: Dec 11 16:15:13 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

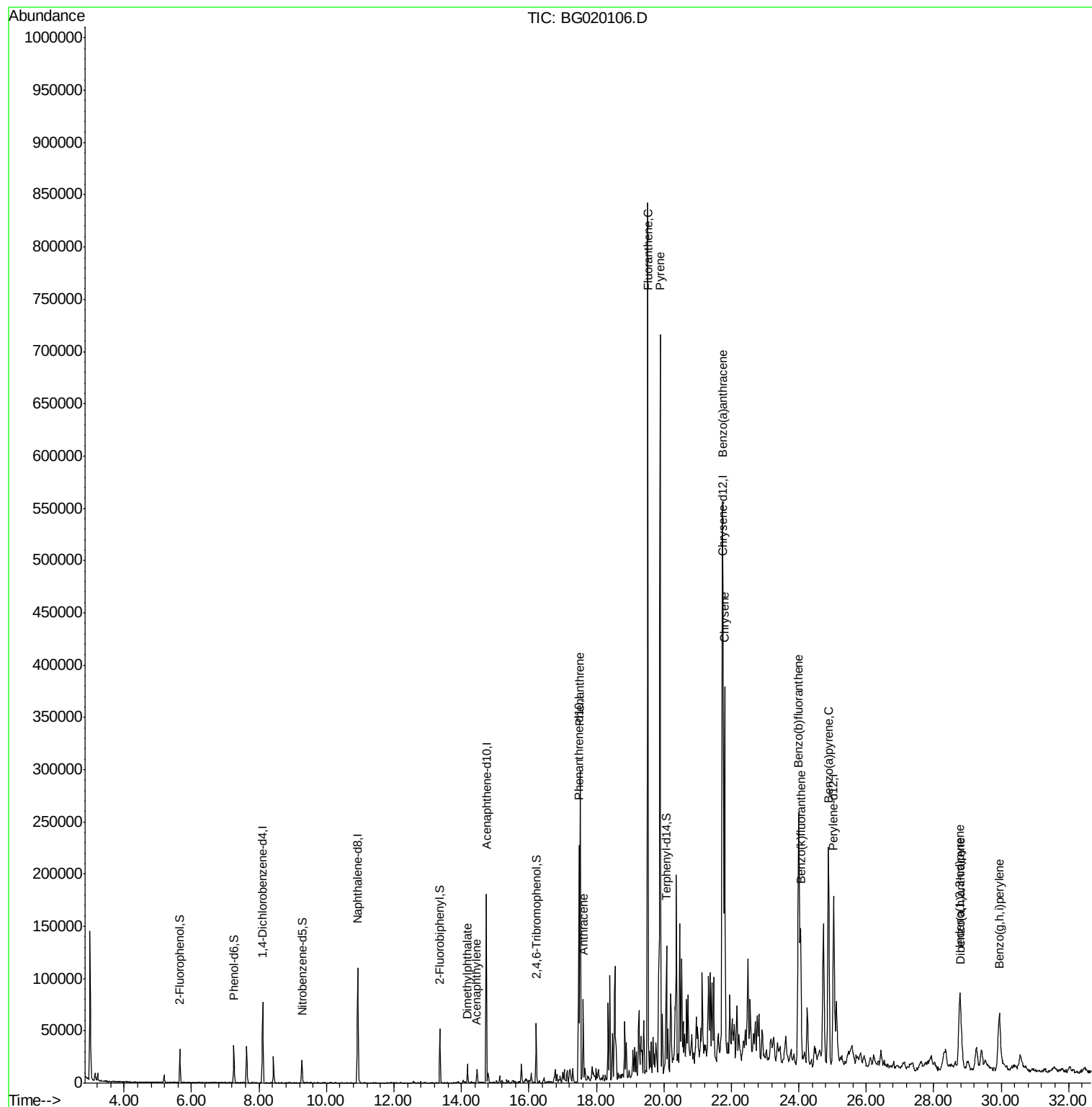
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	21095	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	92843	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	62483	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	149062	20.00	ng	-0.03
75) Chrysene-d12	21.76	240	177807	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	24.06	252	114949m	10.81	ng	
89) Benzo(a)pyrene	24.88	252	236402m	23.20	ng	
90) Dibenzo(a,h)anthracene	28.81	278	37475	3.72	ng	# 89
91) Benzo(a,h,i)perylene	29.95	276	124152	12.56	ng	# 89

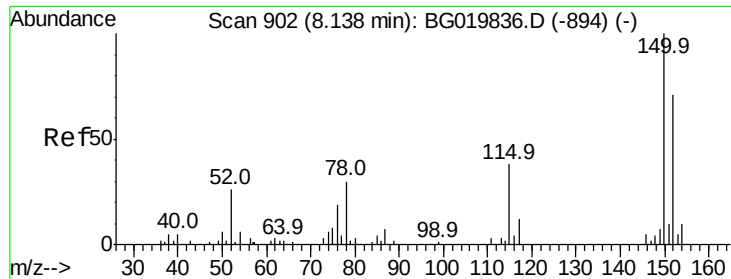
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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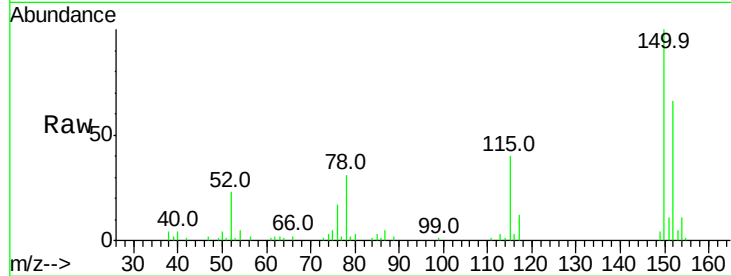


#1

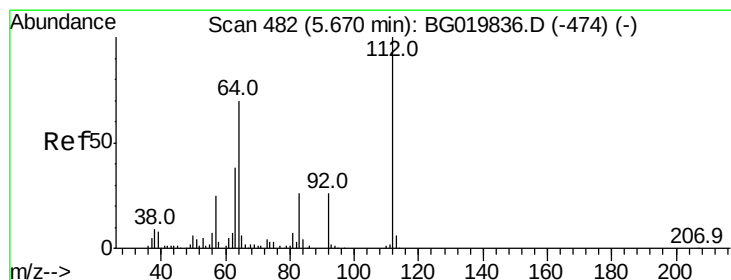
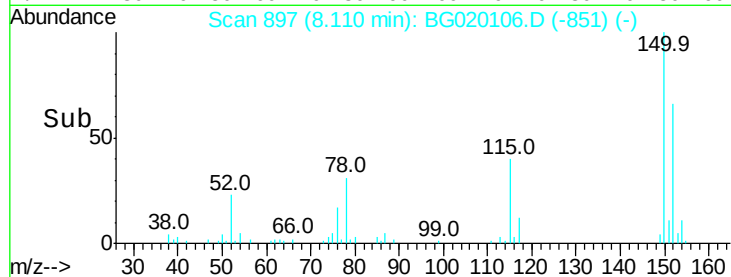
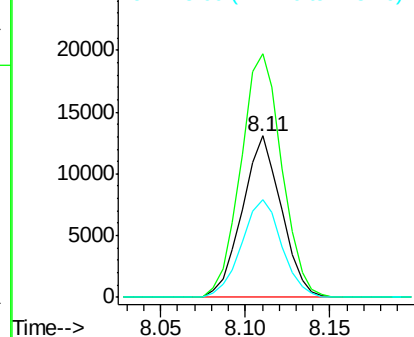
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

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



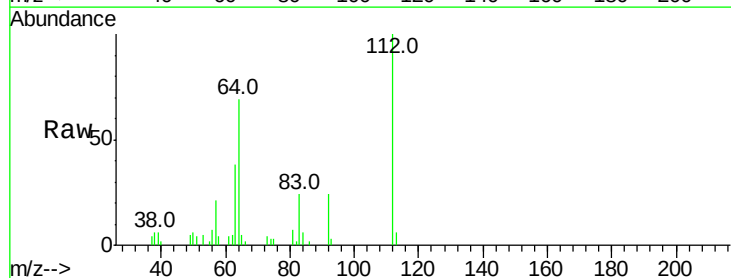
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



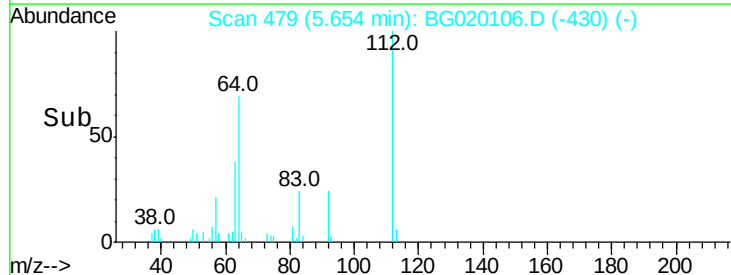
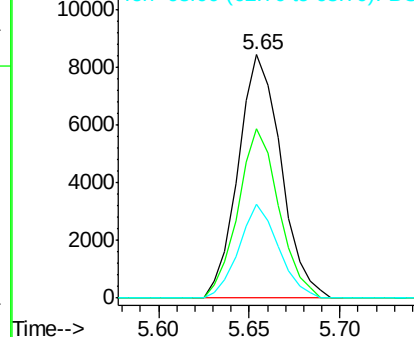
#5

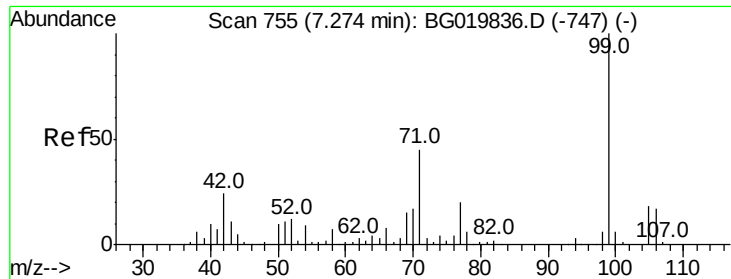
2-Fluorophenol
Concen: 11.86 ng
RT: 5.65 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

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#



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: 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

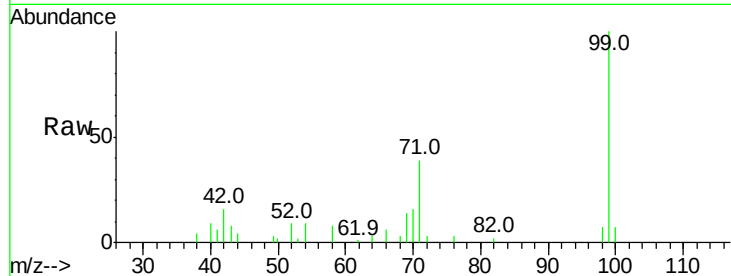
Tot Ion: 99 Resp: 21642

Ion Ratio Lower Upper

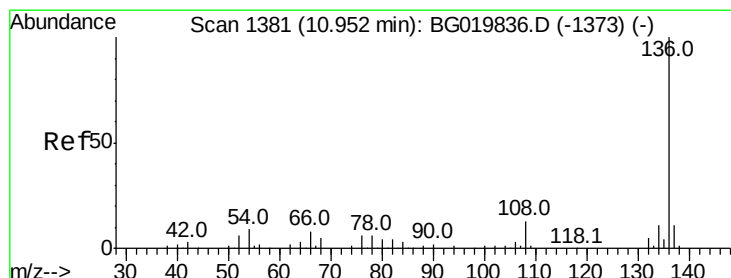
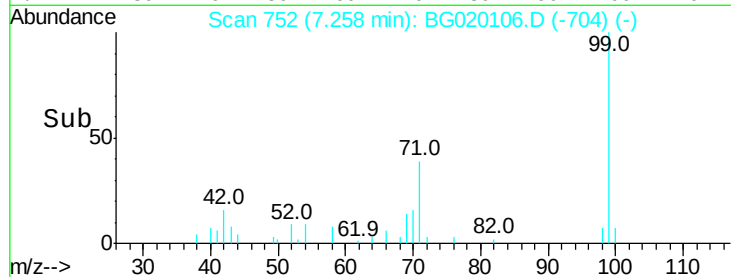
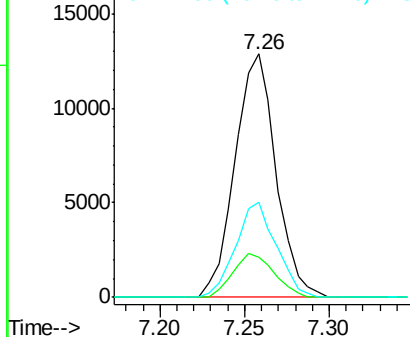
99 100

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

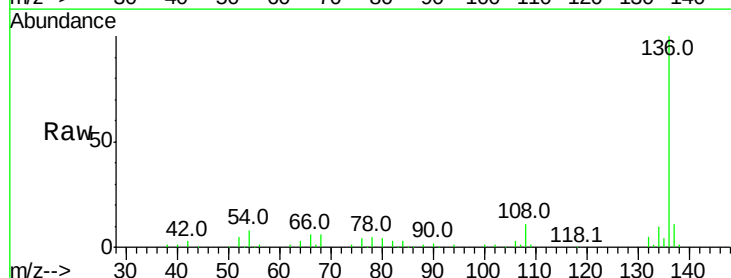
Ion Ratio Lower Upper

136 100

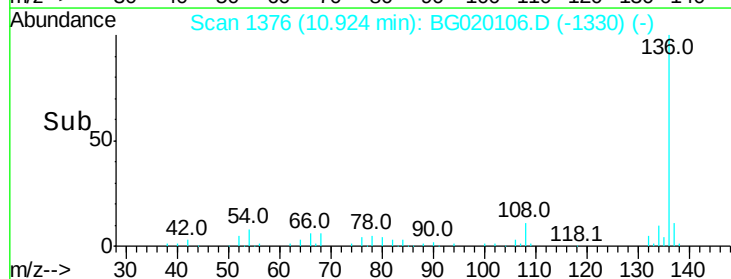
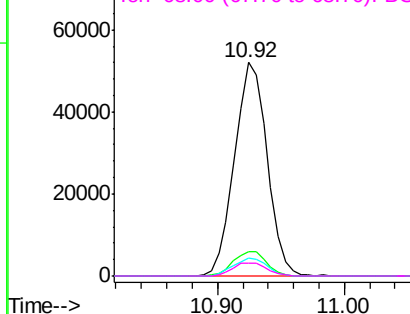
137 11.3 8.6 12.8

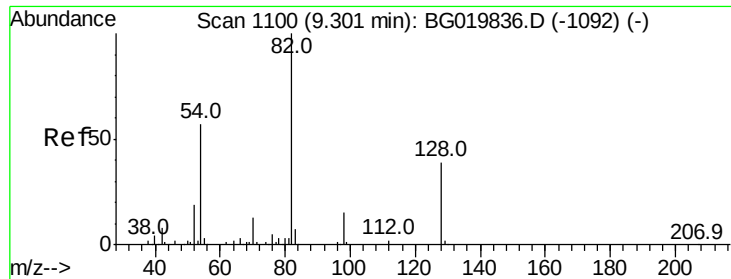
54 8.2 5.4 8.2#

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

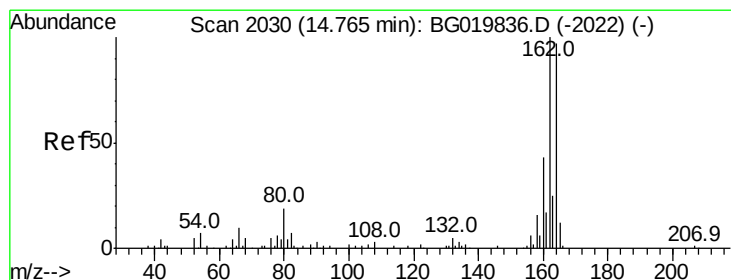
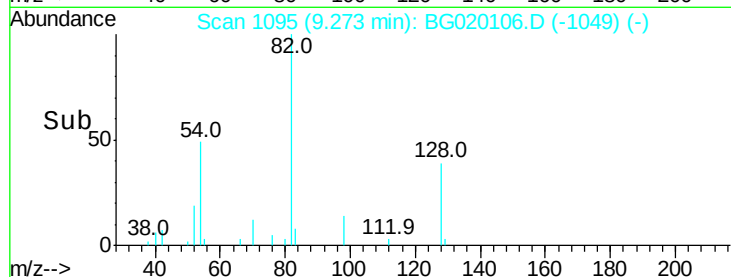
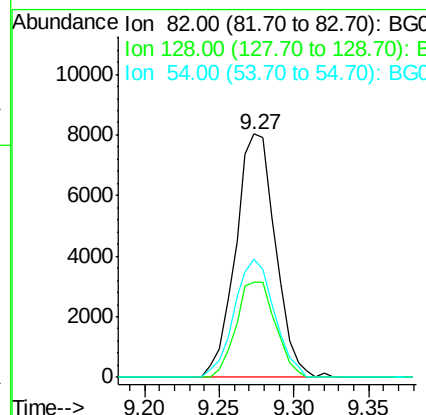
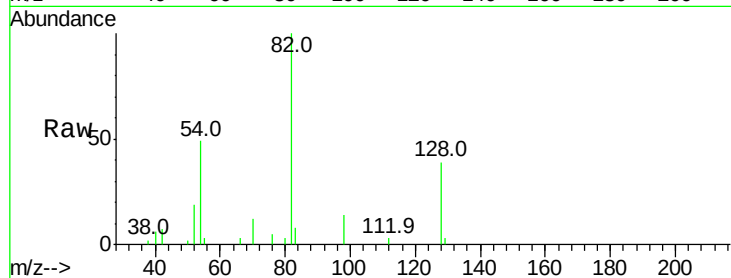




#23
Nitrobenzene-d5
Concen: 8.17 ng
RT: 9.27 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

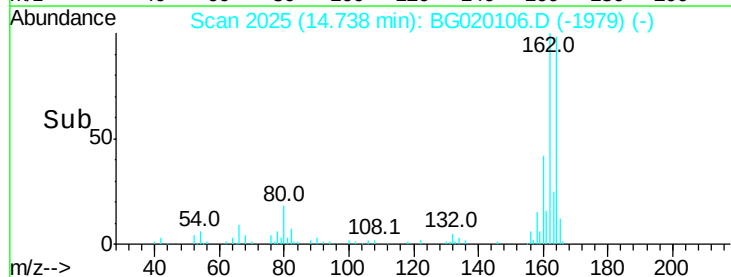
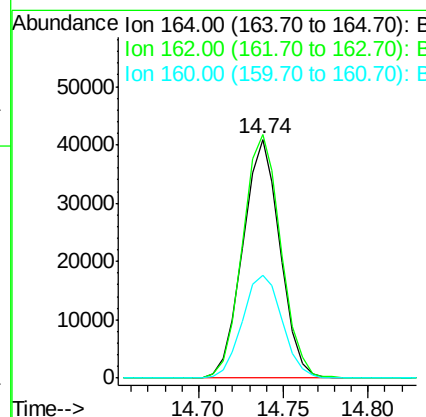
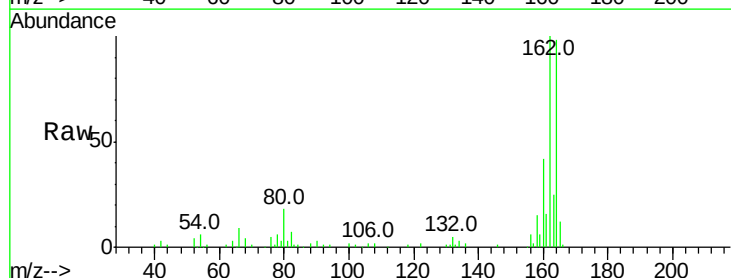
Instrument :
BNA_G
ClientSampleId :
S31-15DL

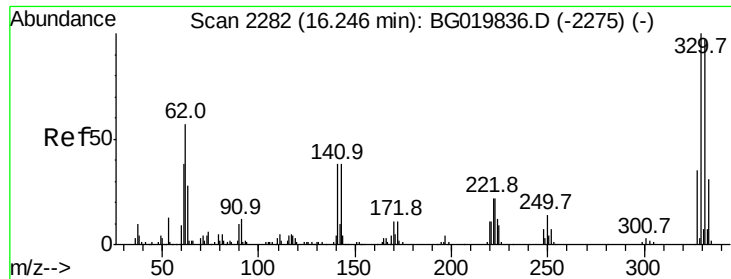
Tot Ion	82	Resp	14857
Ion Ratio	100	Lower	Upper
128	39.0	36.7	55.1
54	48.6	33.8	50.8



#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	100	Lower	Upper
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

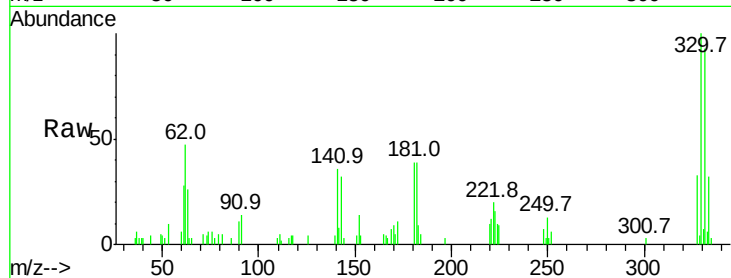
Tot Ion:330 Resp: 9358

Ion Ratio Lower Upper

330 100

332 94.4 78.1 117.1

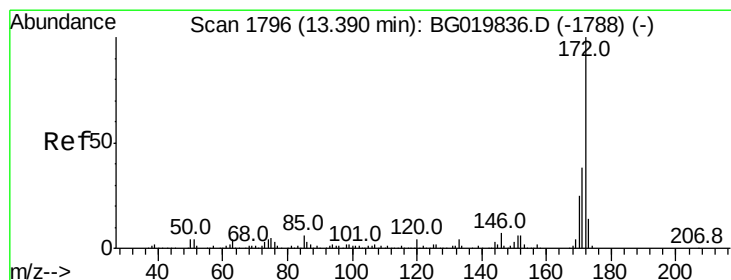
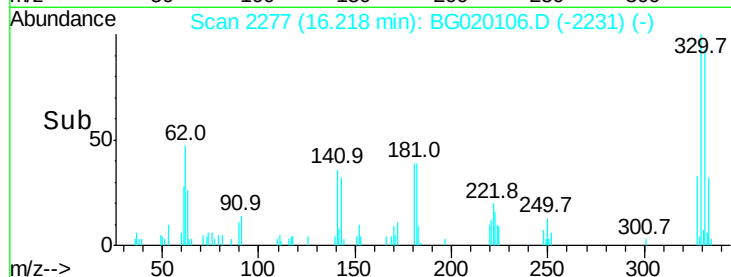
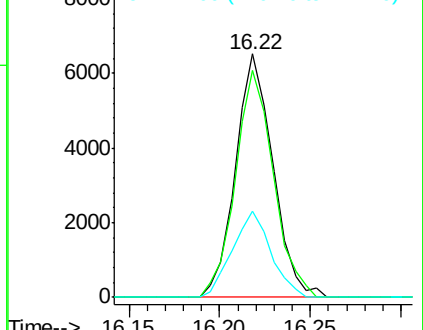
141 36.2 28.2 42.2



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: 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

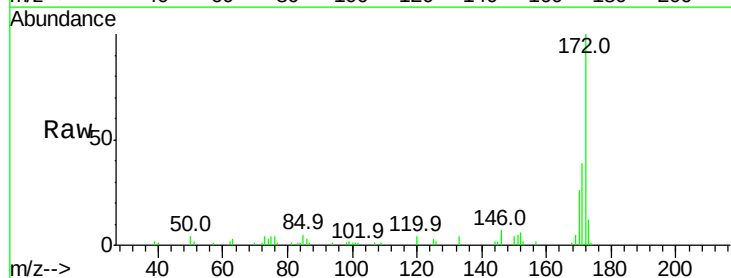
Tgt Ion:172 Resp: 28424

Ion Ratio Lower Upper

172 100

171 38.6 29.0 43.6

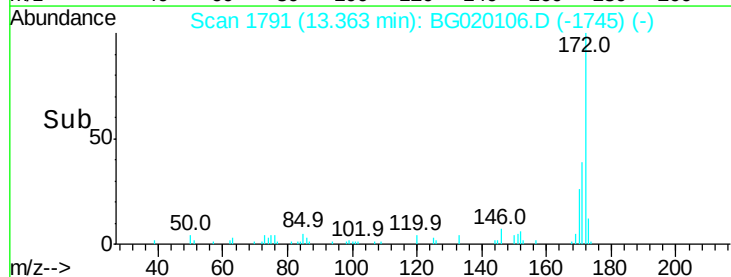
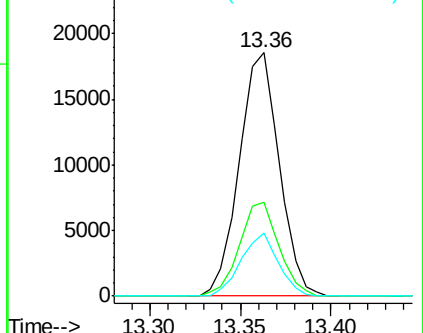
170 25.8 19.9 29.9

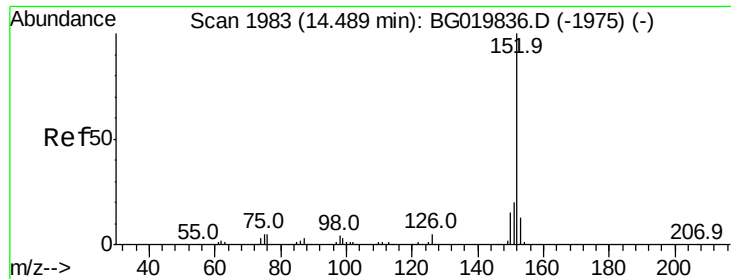


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#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

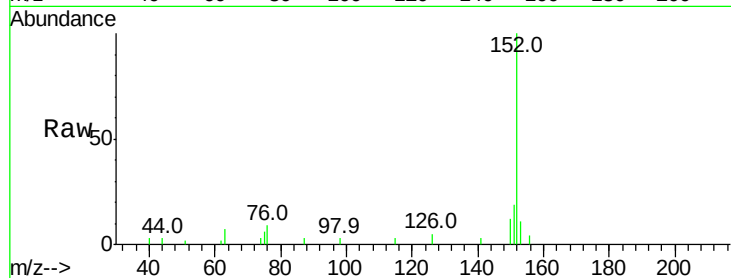
Tot Ion:152 Resp: 13795

Ion Ratio Lower Upper

152 100

151 18.8 17.0 25.4

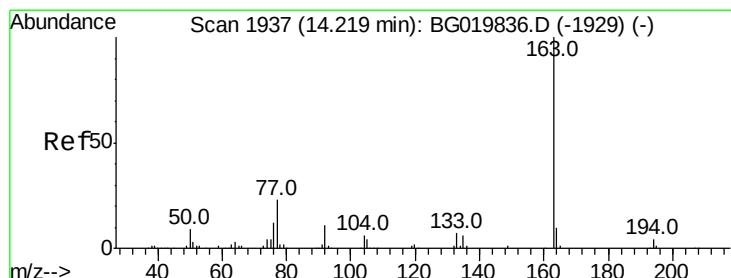
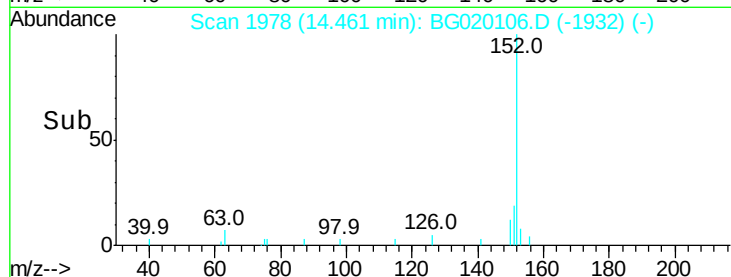
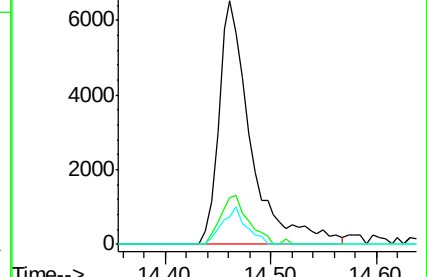
153 11.3 10.4 15.6



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

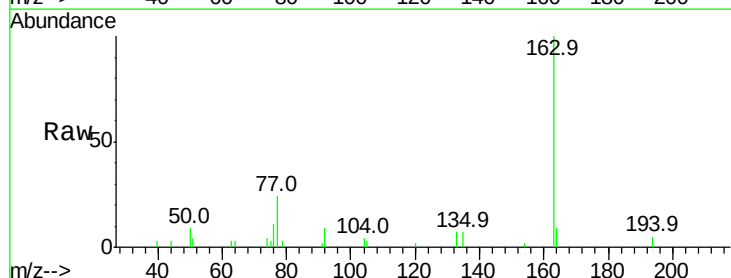
Tgt Ion:163 Resp: 11583

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

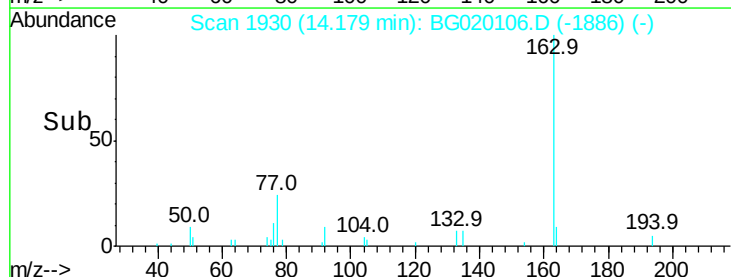
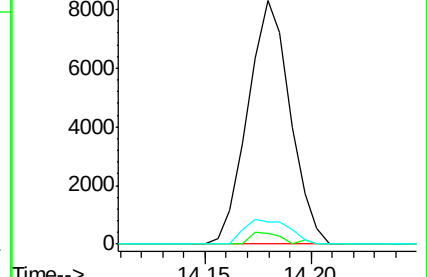
164 9.2 8.8 13.2

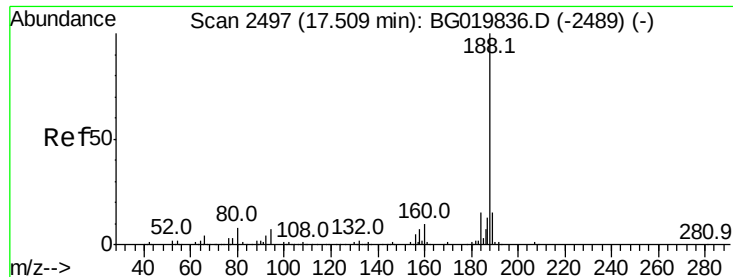


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

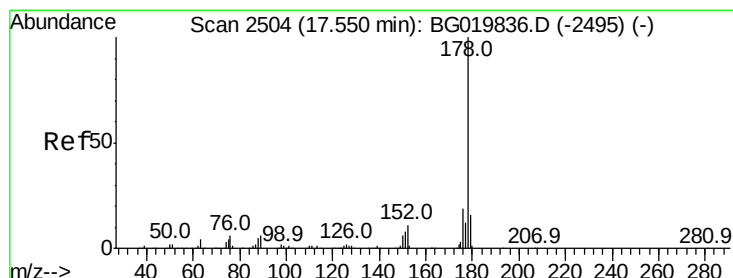
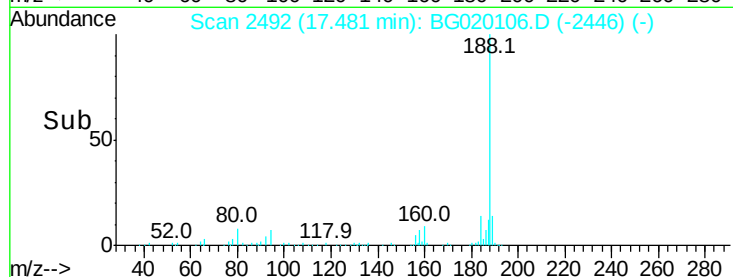
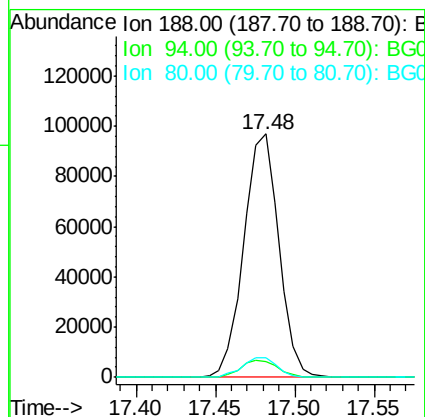
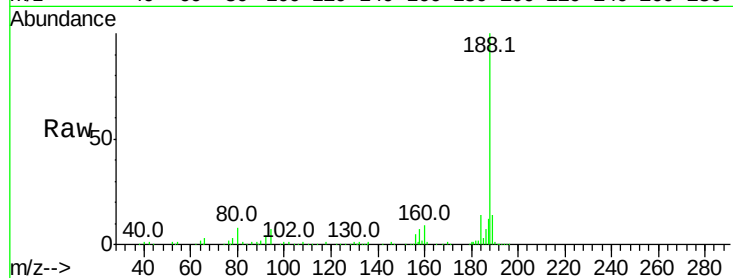




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

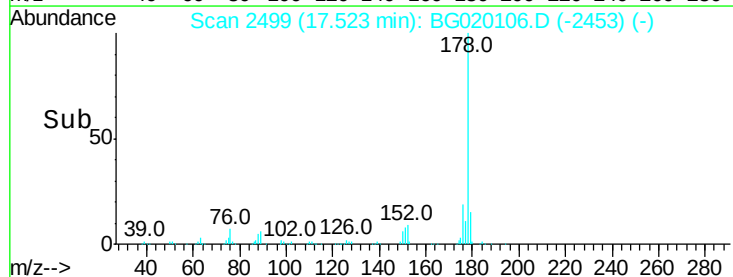
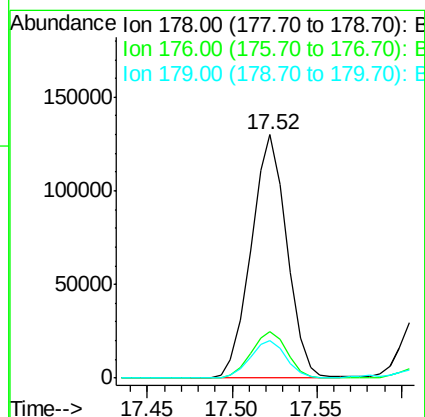
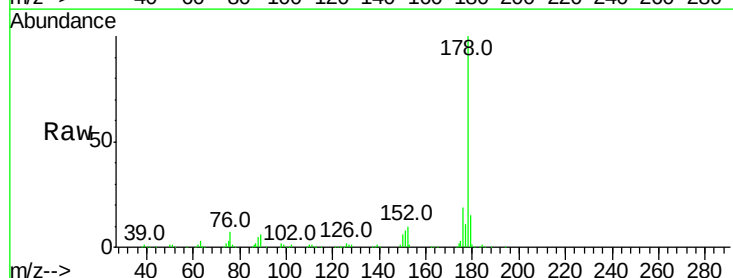
Instrument :
BNA_G
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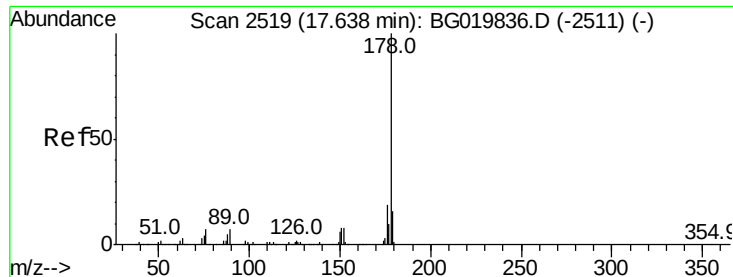
Tot Ion:188 Resp: 149062
Ion Ratio Lower Upper
188 100
94 6.7 7.7 11.5#
80 7.9 7.8 11.8



#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





#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

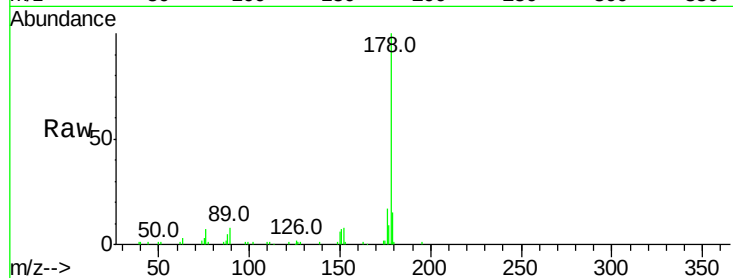
Tot Ion:178 Resp: 52658

Ion Ratio Lower Upper

178 100

176 17.2 16.8 25.2

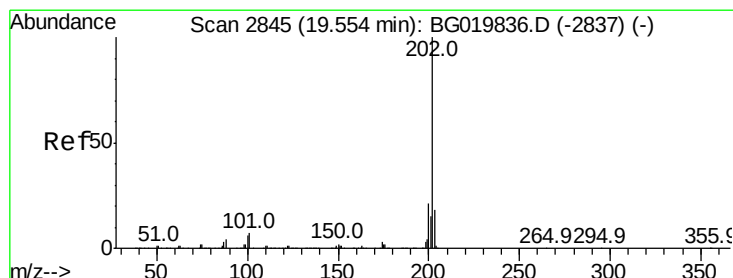
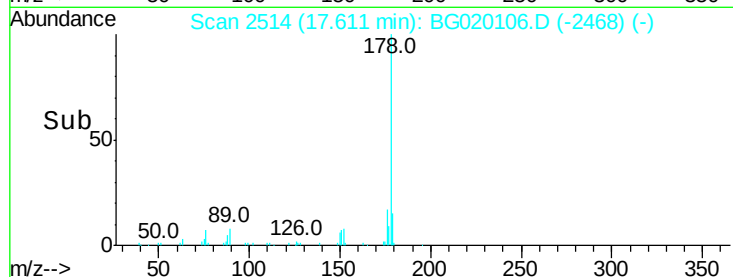
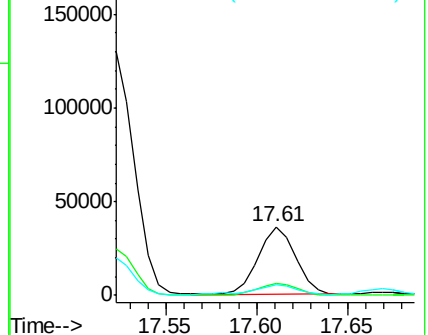
179 15.0 13.9 20.9



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



#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

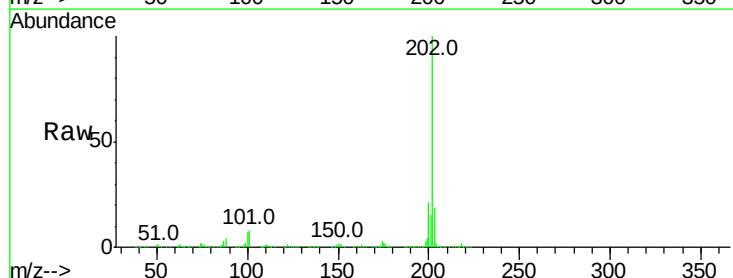
Tgt Ion:202 Resp: 518869

Ion Ratio Lower Upper

202 100

101 8.0 0.0 32.4

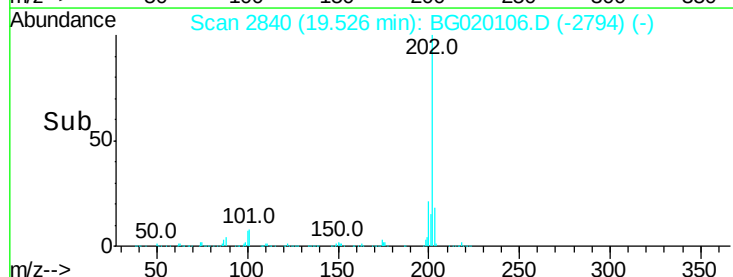
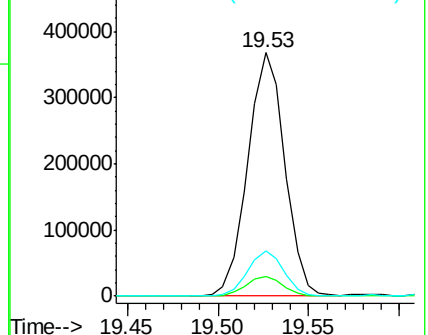
203 18.5 0.0 39.5

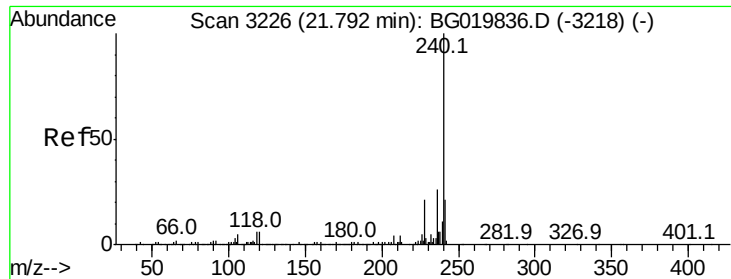


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.76 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

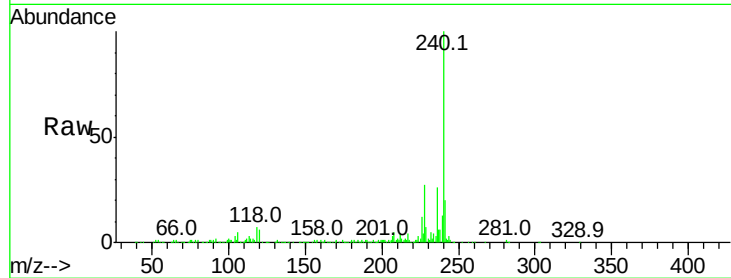
Tot Ion:240 Resp: 177807

Ion Ratio Lower Upper

240 100

120 6.4 7.4 11.0#

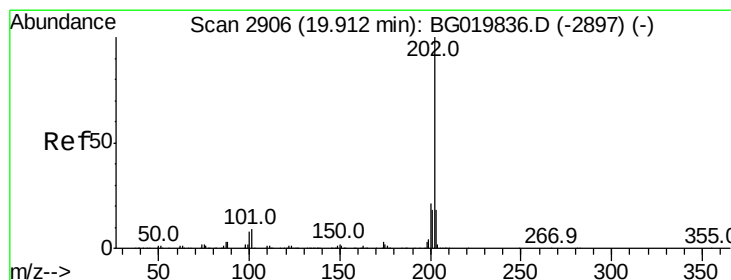
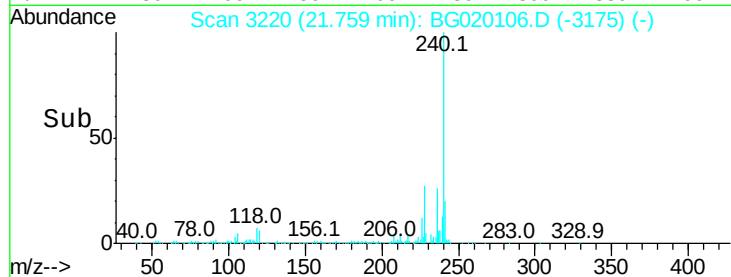
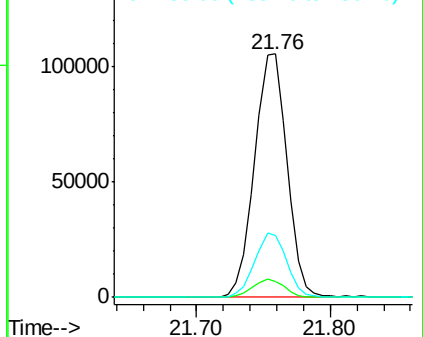
236 25.6 20.7 31.1



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

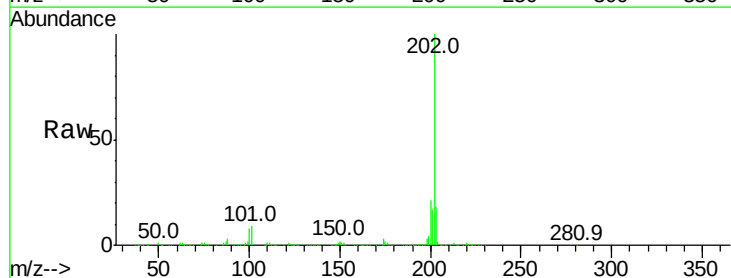
Tgt Ion:202 Resp: 467560

Ion Ratio Lower Upper

202 100

200 21.2 19.4 29.0

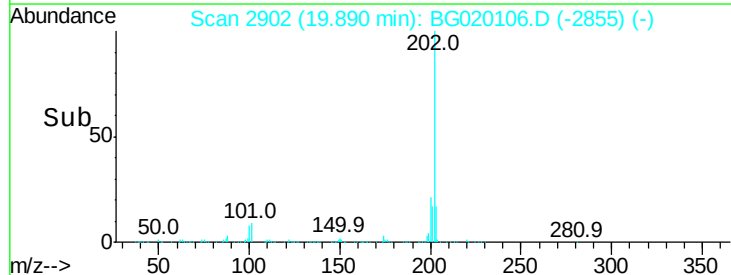
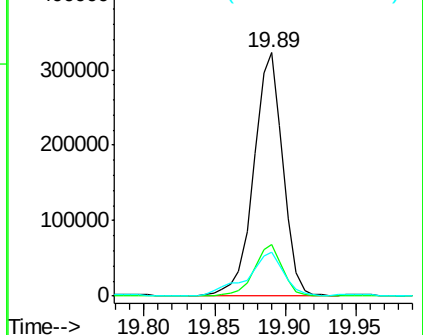
203 18.2 15.5 23.3

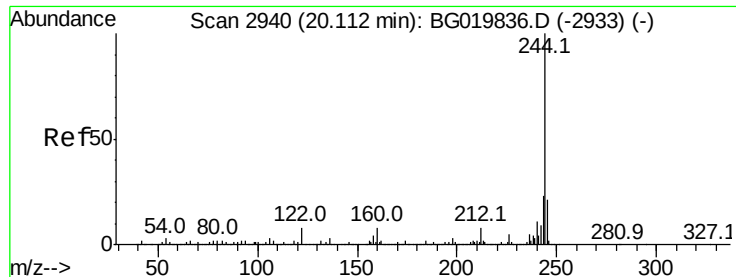


Abundance Ion 202.00 (201.70 to 202.70): E

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

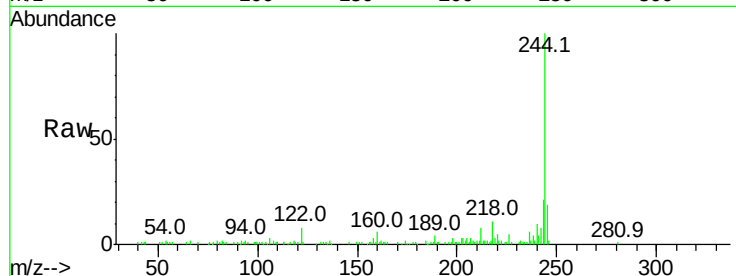
Tot Ion:244 Resp: 47295

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

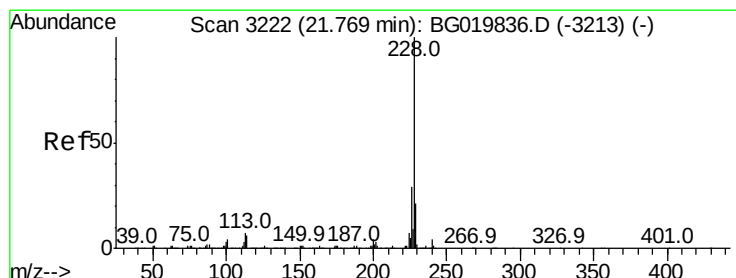
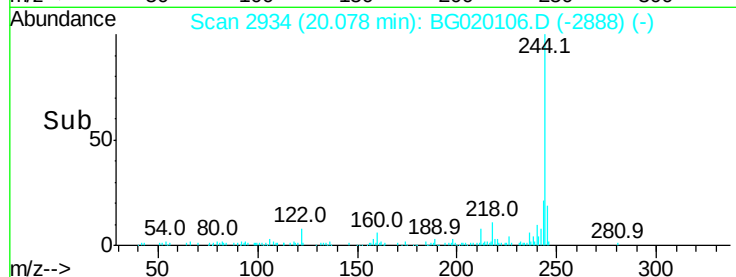
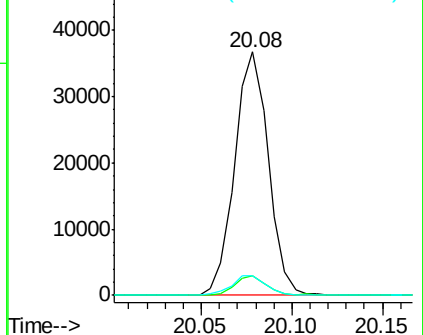
122 7.9 10.2 15.2#



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

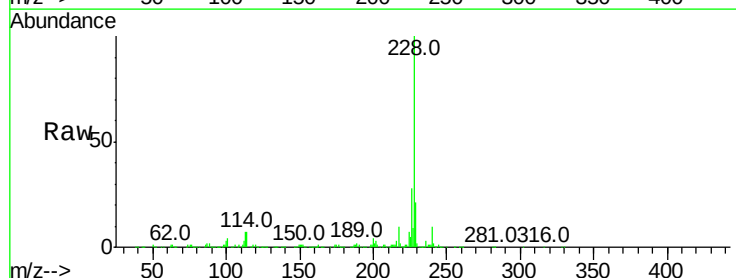
Tgt Ion:228 Resp: 314352

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.0

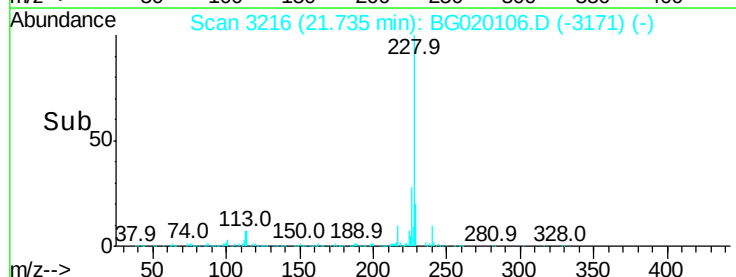
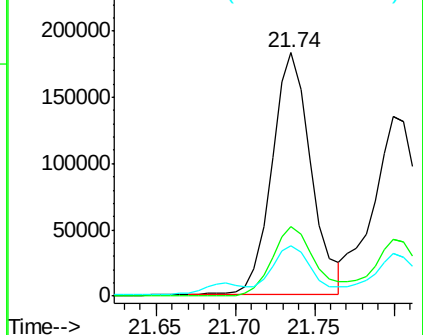
229 20.9 16.6 25.0

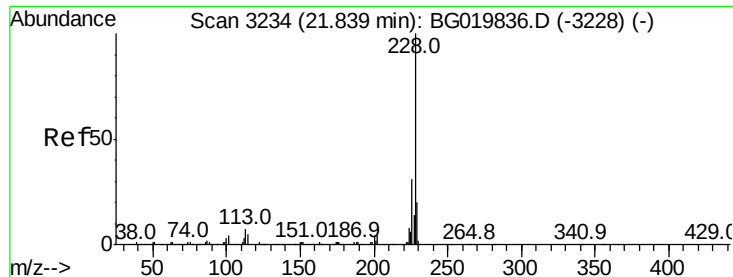


Abundance Ion 228.00 (227.70 to 228.70): E

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 :

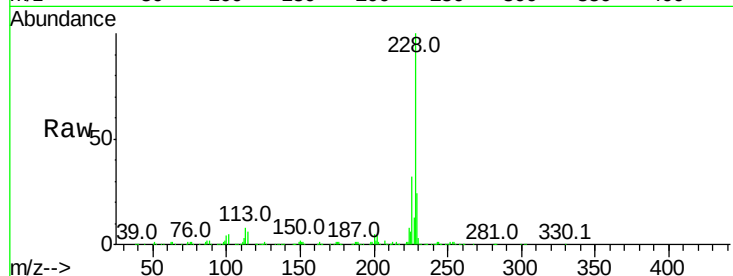
BNA_G

ClientSampleId :

S31-15DL

Tot Ion:228 Resp: 258515

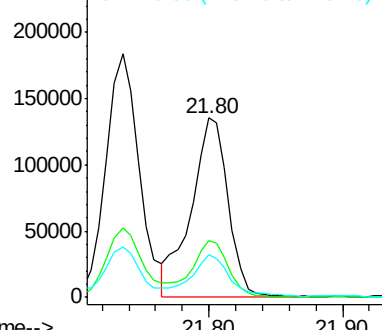
Ion	Ratio	Lower	Upper
228	100		
226	32.0	26.7	40.1
229	23.6	17.0	25.6



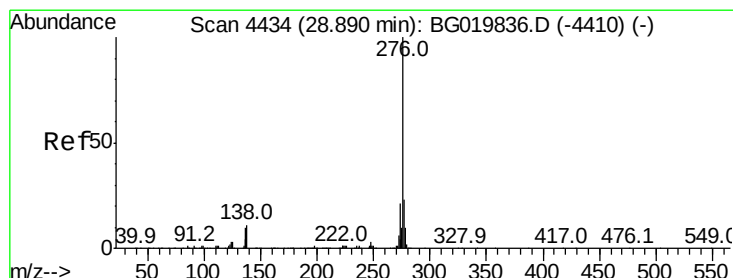
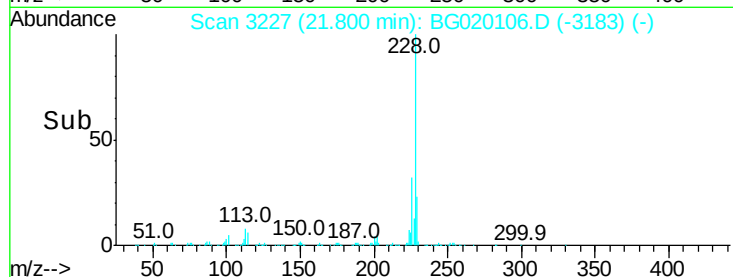
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.98 ng

RT: 28.77 min Scan# 4414

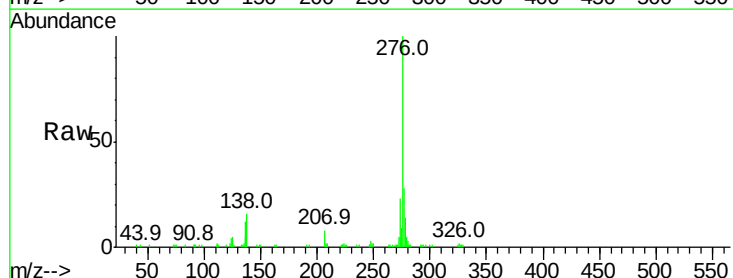
Delta R.T. -0.12 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Tgt Ion:276 Resp: 136396

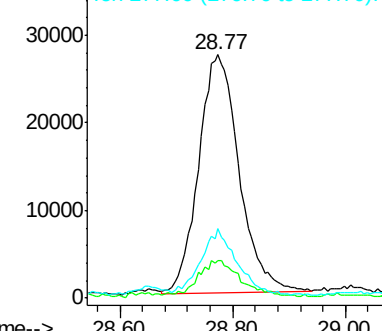
Ion	Ratio	Lower	Upper
276	100		
138	15.8	0.0	0.0#
277	24.3	0.0	0.0#



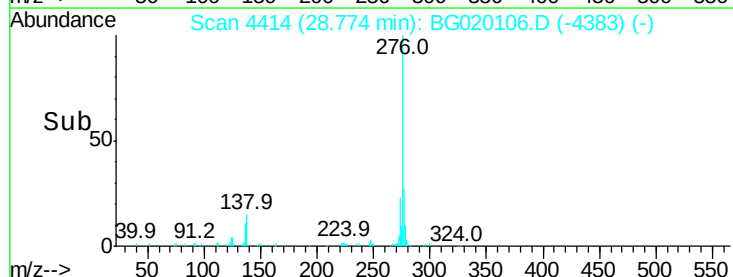
Abundance Ion 276.00 (275.70 to 276.70): E

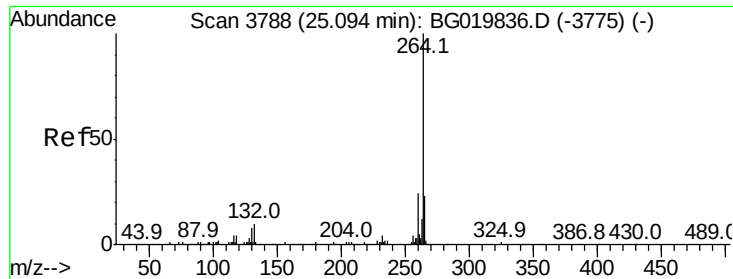
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

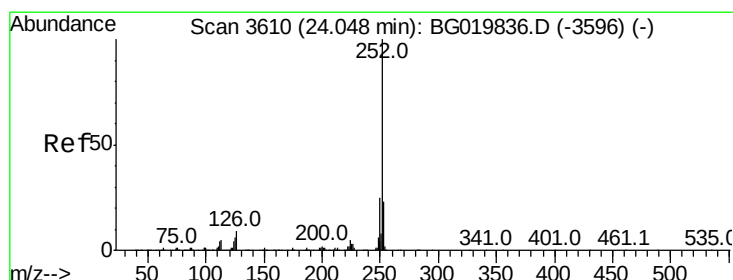
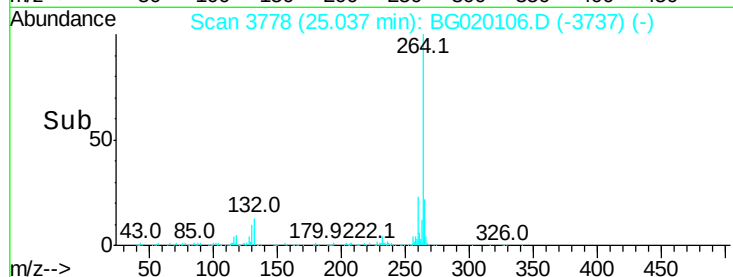
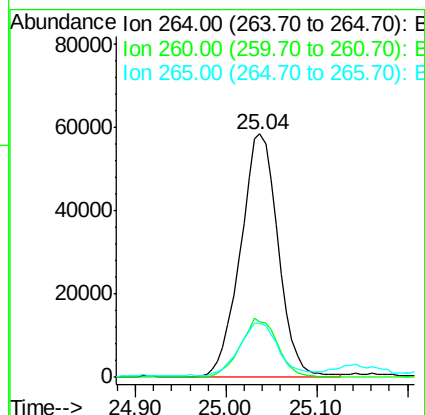
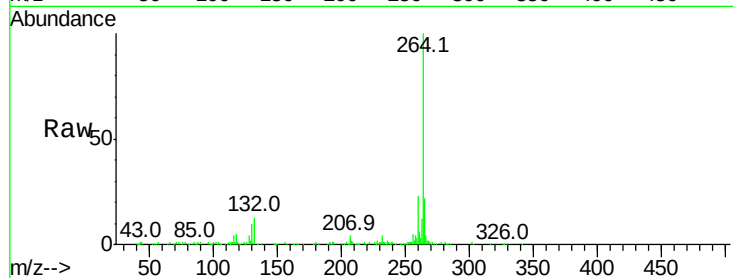




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.06 min
Lab File: BG020106.D
Acq: 11 Dec 2015 12:15

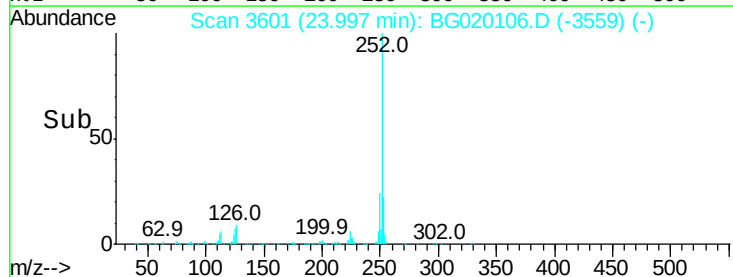
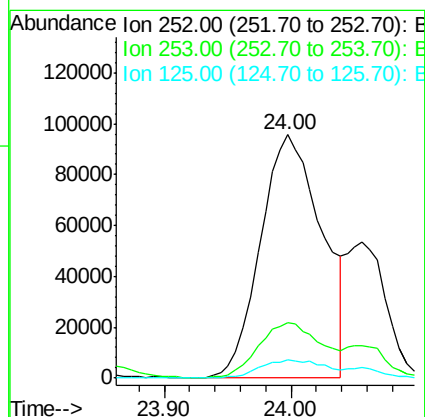
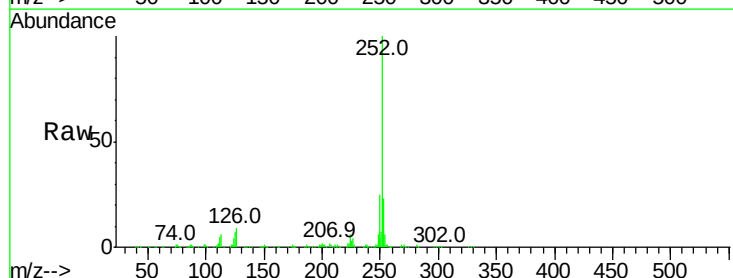
Instrument :
BNA_G
ClientSampleId :
S31-15DL

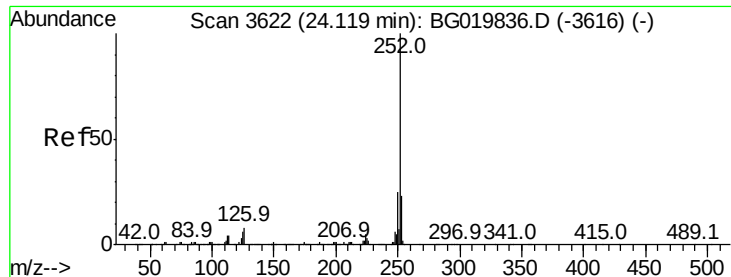
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	22.1	17.2	25.8



#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: 10.81 ng m

RT: 24.06 min Scan# 3611

Delta R.T. -0.06 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

Instrument :

BNA_G

ClientSampleId :

S31-15DL

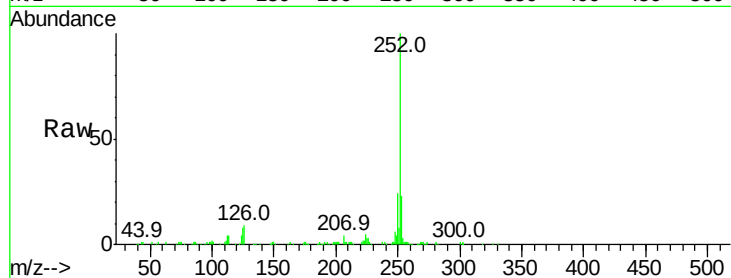
Tot Ion:252 Resp: 114949

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.4

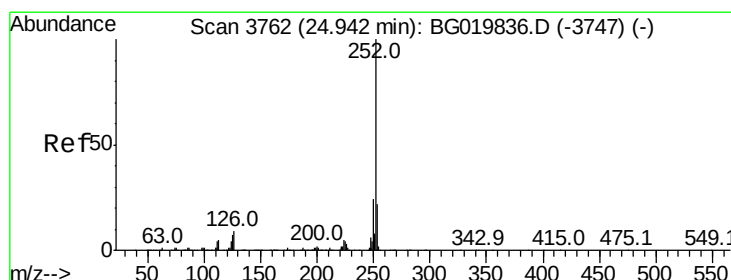
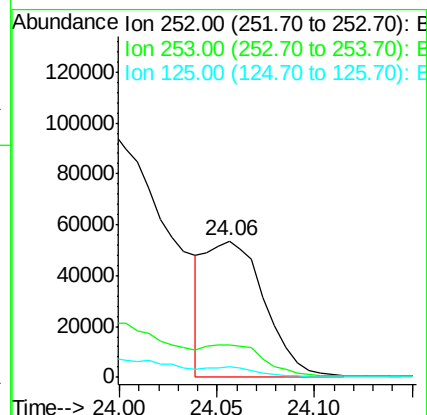
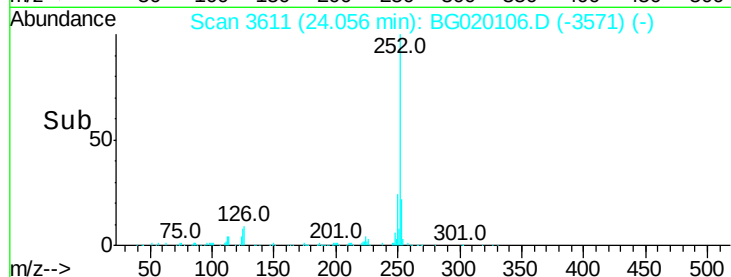
125 7.8 8.9 13.3#



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: 23.20 ng m

RT: 24.88 min Scan# 3751

Delta R.T. -0.06 min

Lab File: BG020106.D

Acq: 11 Dec 2015 12:15

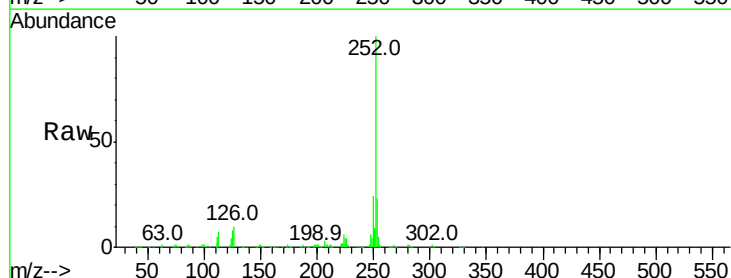
Tgt Ion:252 Resp: 236402

Ion Ratio Lower Upper

252 100

253 22.5 18.7 28.1

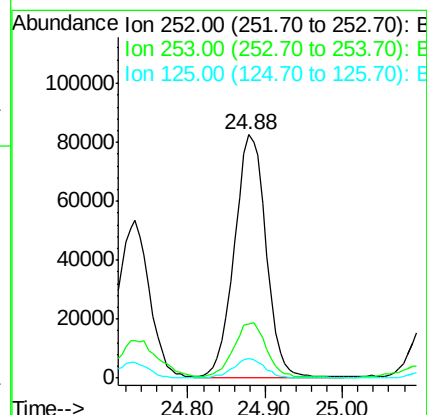
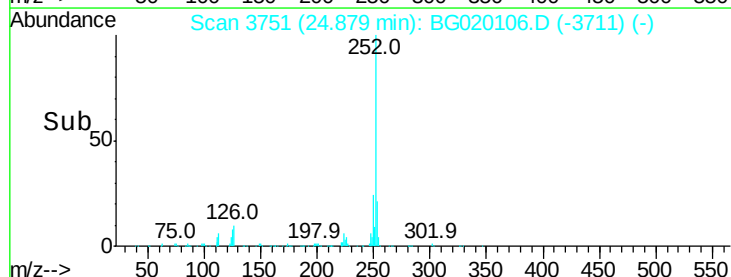
125 8.0 9.1 13.7#

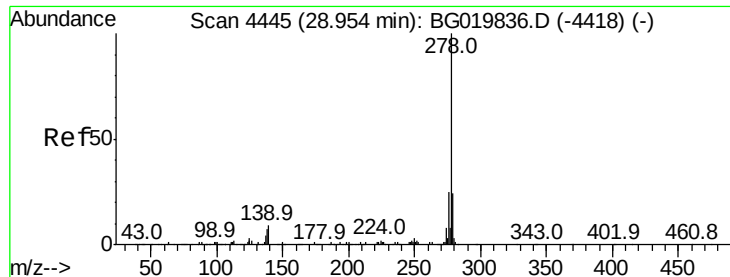


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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 :

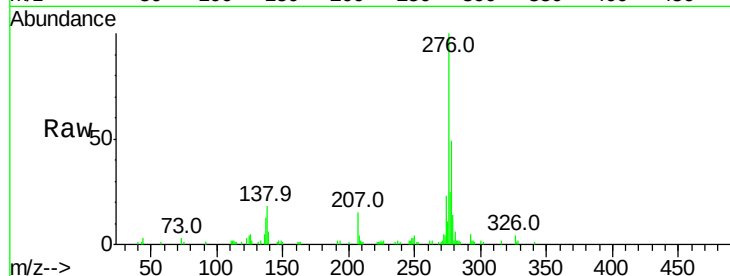
BNA_G

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#

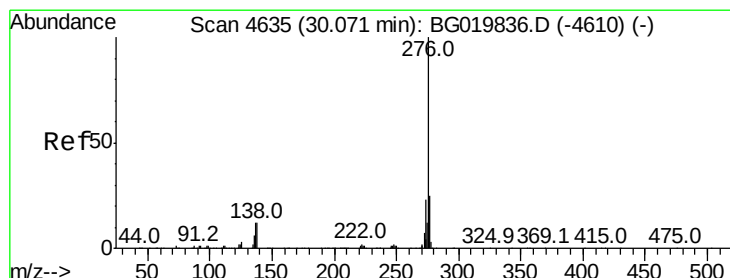
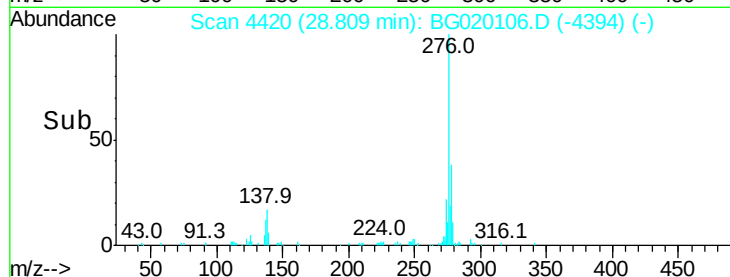
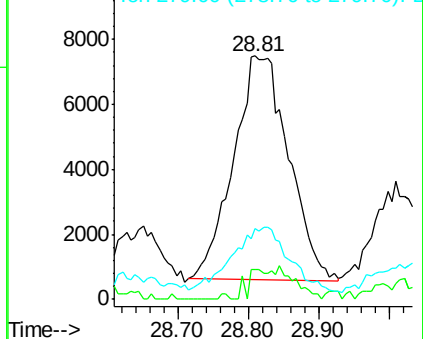


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.56 ng

RT: 29.95 min Scan# 4614

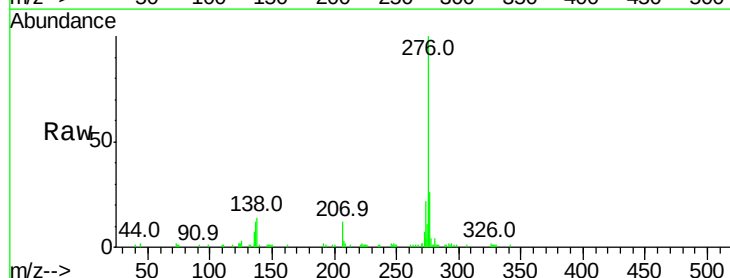
Delta R.T. -0.12 min

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#



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

