

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020076.D
 Acq On : 10 Dec 2015 15:20
 Operator : UM/SJ
 Sample : G4683-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S3-14.5

Quant Time: Dec 11 04:45:13 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

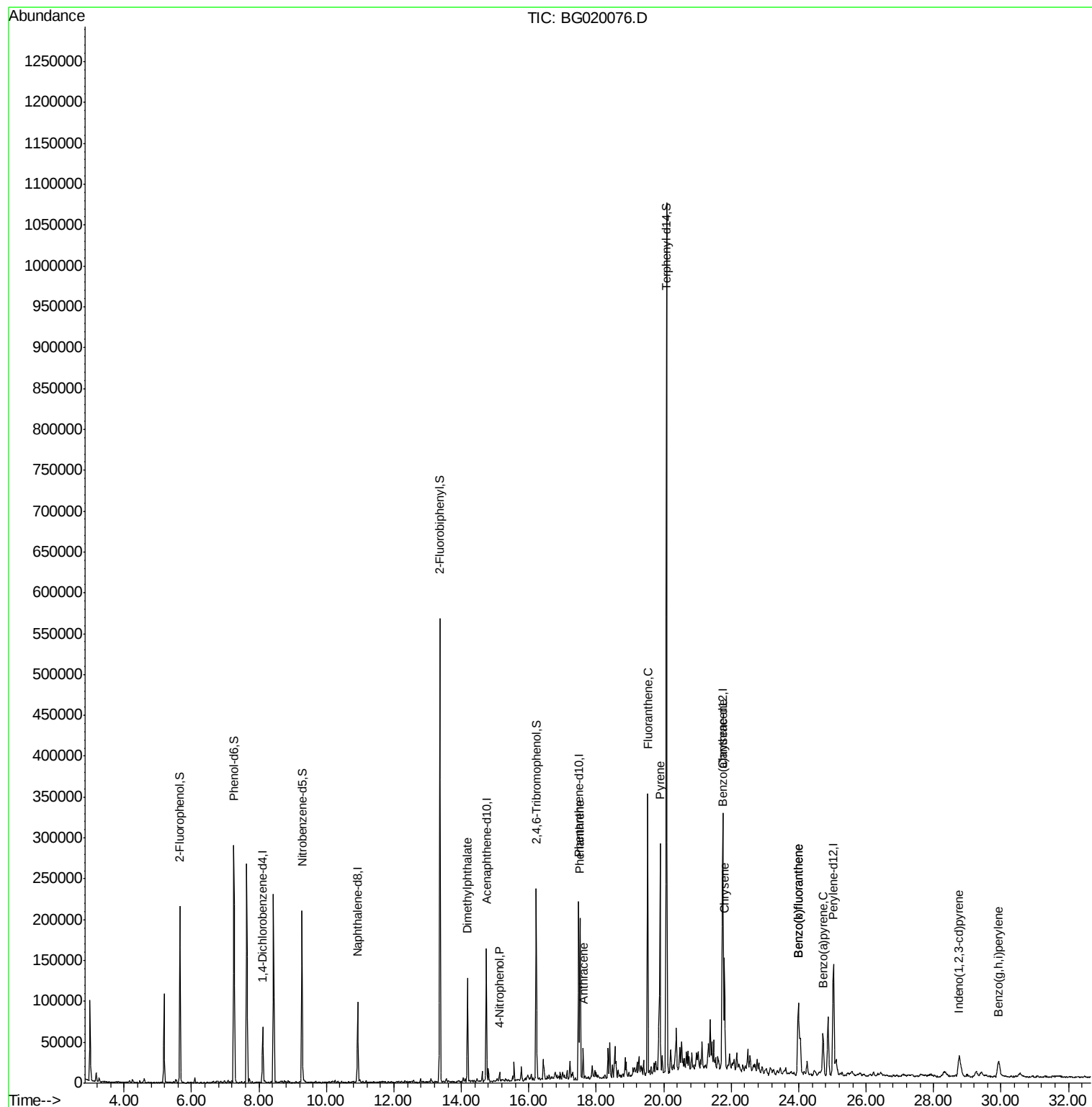
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	19137	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	82105	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	55314	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	134503	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	162715	20.00	ng	-0.04
86) Perylene-d12	25.04	264	157024	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	90074	85.07	ng	-0.01
7) Phenol-d6	7.26	99	168292	105.27	ng	-0.01
23) Nitrobenzene-d5	9.28	82	130041	80.83	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	44392	52.45	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	295163	72.86	ng	-0.03
78) Terphenyl-d14	20.08	244	474725	71.16	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	80343	16.15	ng	96
55) 4-Nitrophenol	15.14	139	2533	2.99	ng	# 11
70) Phenanthrene	17.52	178	121974	16.03	ng	96
71) Anthracene	17.61	178	24063	3.10	ng	95
74) Fluoranthene	19.52	202	209037	21.48	ng	93
77) Pyrene	19.89	202	180798	18.89	ng	94
80) Benzo(a)anthracene	21.73	228	108427	10.89	ng	98
82) Chrysene	21.80	228	96673	10.22	ng	96
85) Indeno(1,2,3-cd)pyrene	28.75	276	50188	4.82	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	116255	11.68	ng	# 94
88) Benzo(k)fluoranthene	24.00	252	116255	11.80	ng	# 95
89) Benzo(a)pyrene	24.72	252	55052	5.83	ng	100
91) Benzo(g,h,i)perylene	29.93	276	45735	4.99	ng	# 89

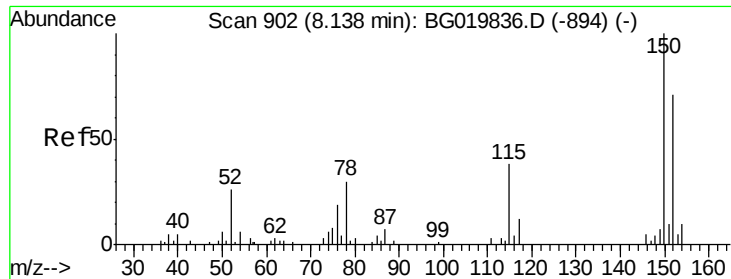
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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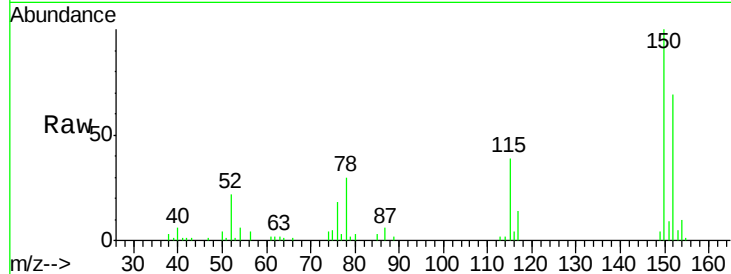


#1

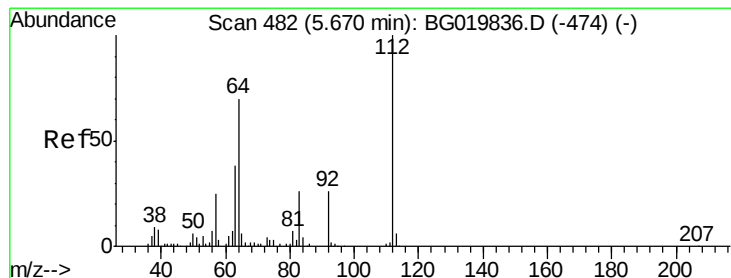
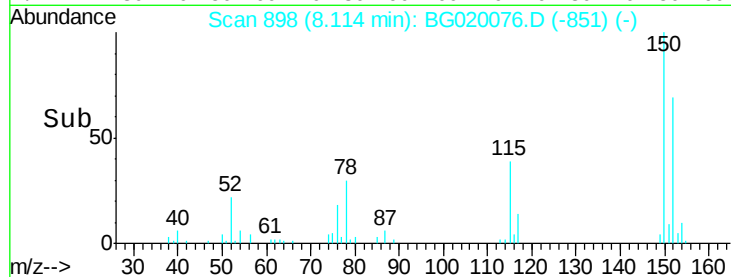
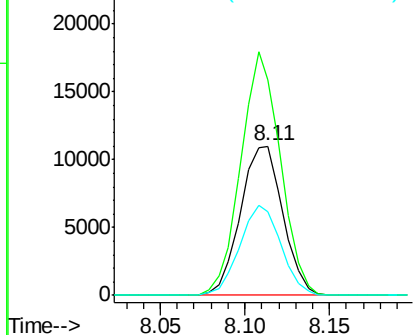
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.02 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

Instrument :
BNA_G
ClientSampleId :
S3-14.5

Tgt Ion:152 Resp: 19137
Ion Ratio Lower Upper
152 100
150 144.3 115.0 172.4
115 56.2 43.9 65.9



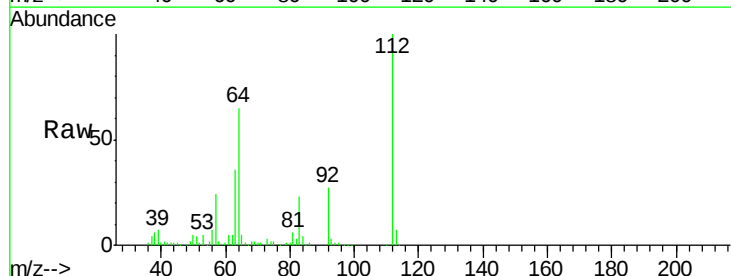
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



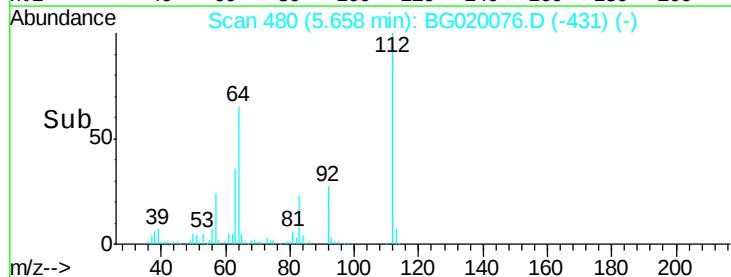
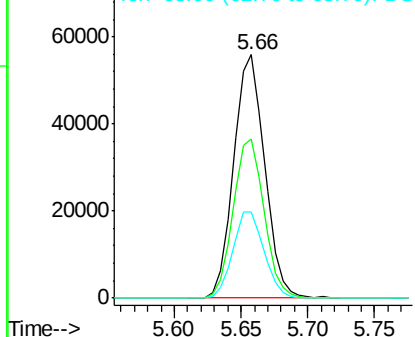
#5

2-Fluorophenol
Concen: 85.07 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

Tgt Ion:112 Resp: 90074
Ion Ratio Lower Upper
112 100
64 65.5 43.7 65.5
63 35.6 24.0 36.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 105.27 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Instrument :

BNA_G

ClientSampleId :

S3-14.5

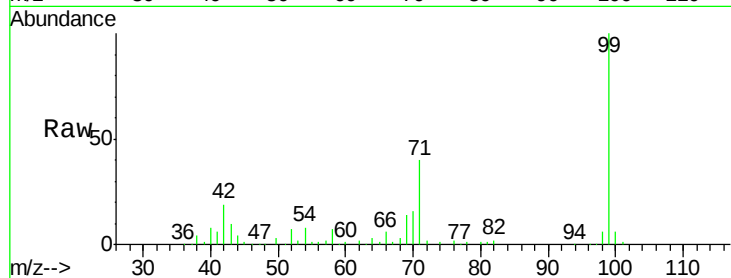
Tgt Ion: 99 Resp: 168292

Ion Ratio Lower Upper

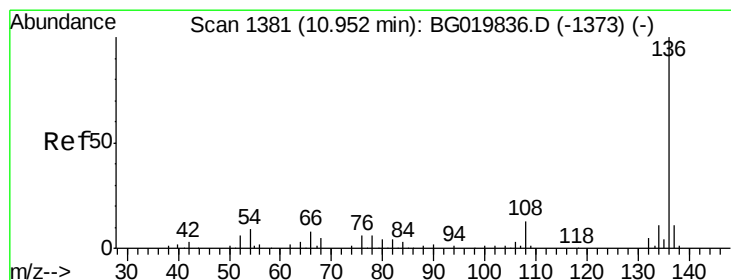
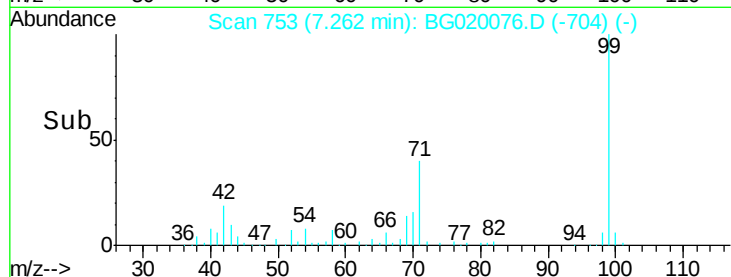
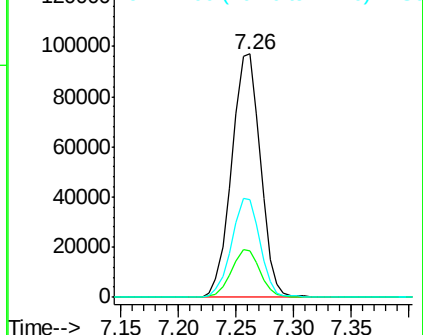
99 100

42 19.2 11.5 17.3#

71 40.2 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: 10.93 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Tgt Ion: 136 Resp: 82105

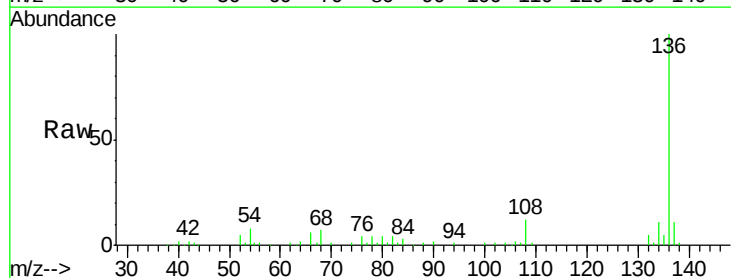
Ion Ratio Lower Upper

136 100

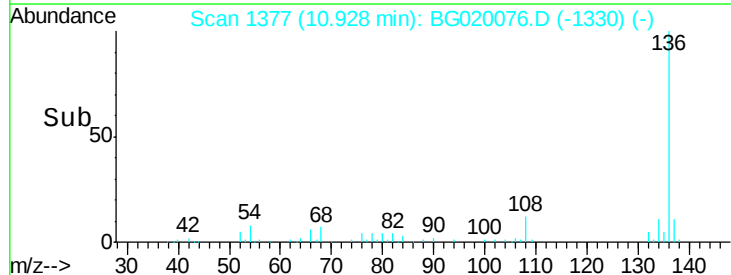
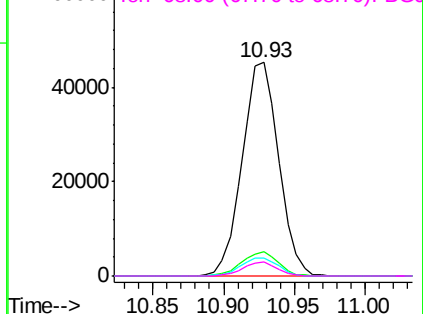
137 11.3 8.6 12.8

54 8.3 5.4 8.2#

68 6.7 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

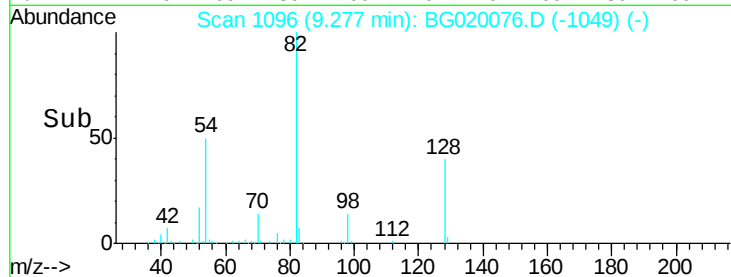
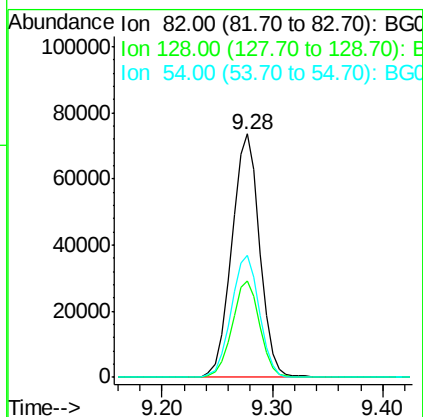
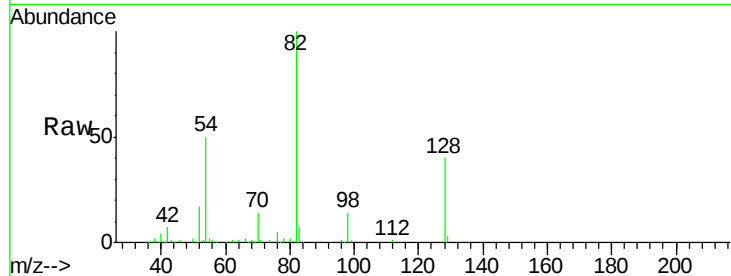




#23
 Nitrobenzene-d5
 Concen: 80.83 ng
 RT: 9.28 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

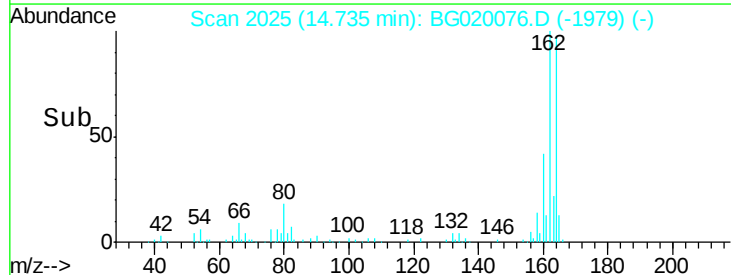
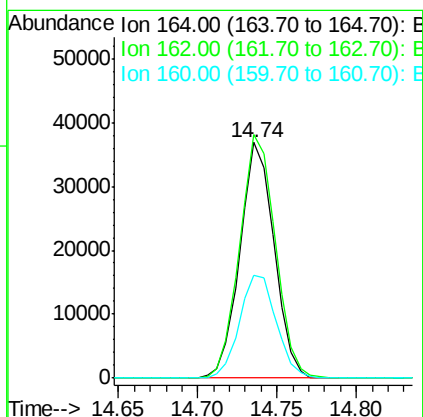
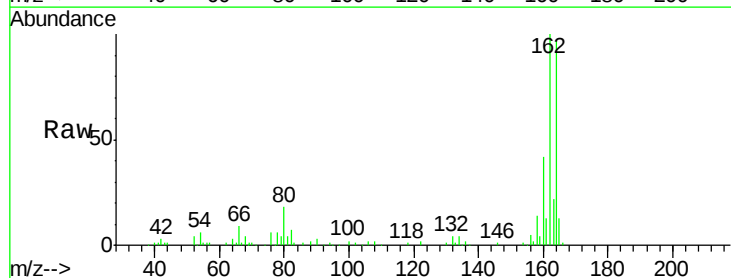
Instrument :
 BNA_G
 ClientSampled :
 S3-14.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.6	36.7	55.1
54	50.0	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: BG020076.D
 Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	78.8	118.2
160	43.8	36.4	54.6

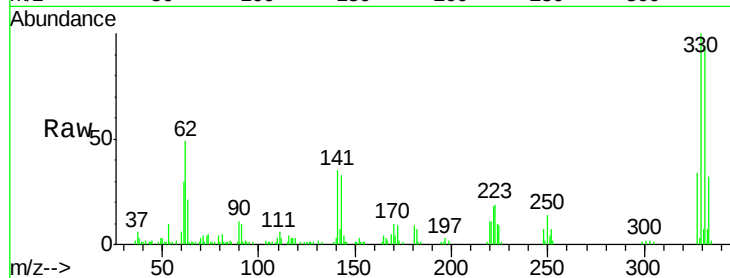




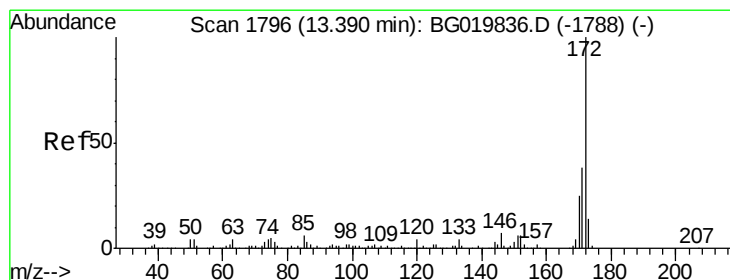
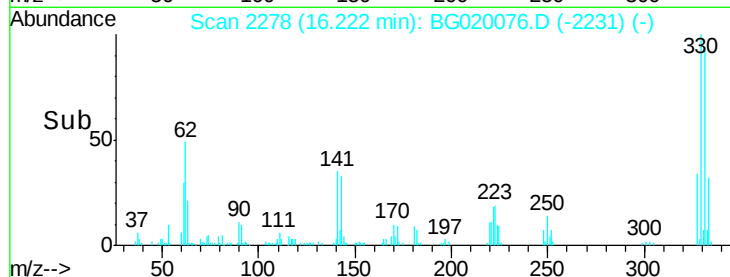
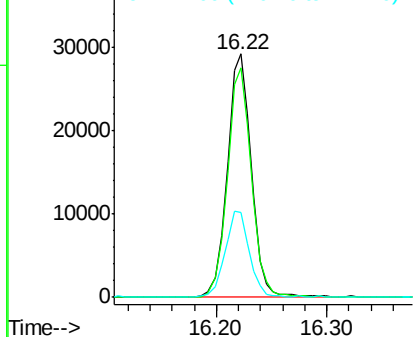
#41
 2,4,6-Tribromophenol
 Concen: 52.45 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

Instrument :
 BNA_G
 ClientSampleId :
 S3-14.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.1	117.1
141	35.5	28.2	42.2

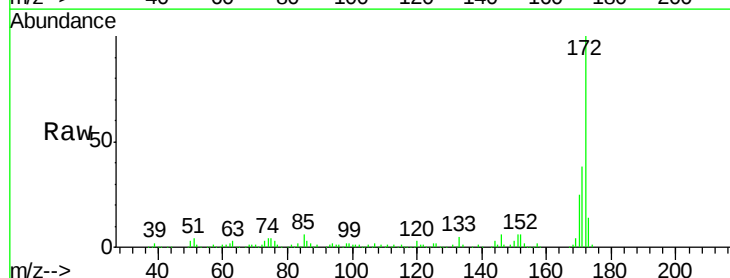


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

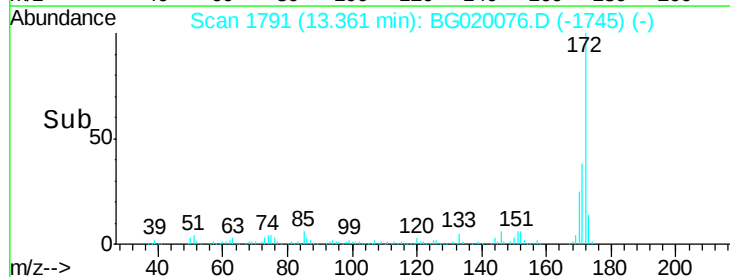
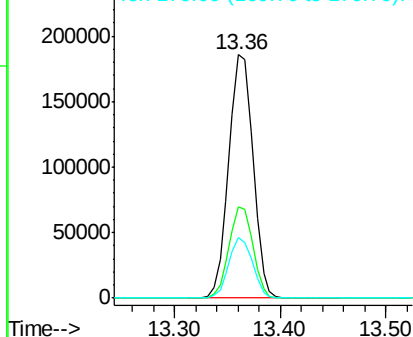


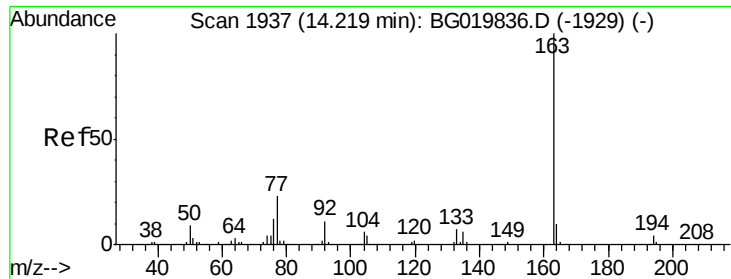
#44
 2-Fluorobiphenyl
 Concen: 72.86 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.0	43.6
170	24.8	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





#49

Dimethylphthalate

Concen: 16.15 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.04 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Instrument :

BNA_G

ClientSampleId :

S3-14.5

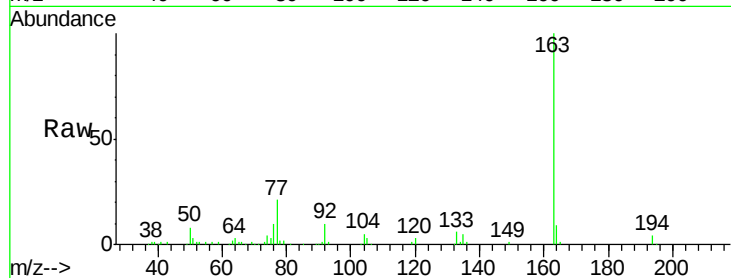
Tgt Ion:163 Resp: 80343

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

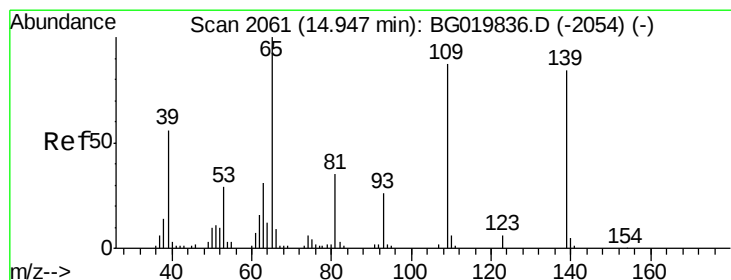
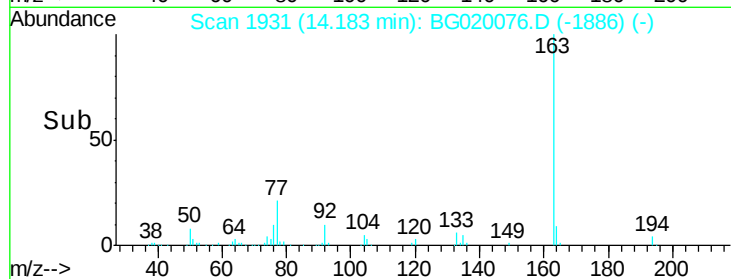
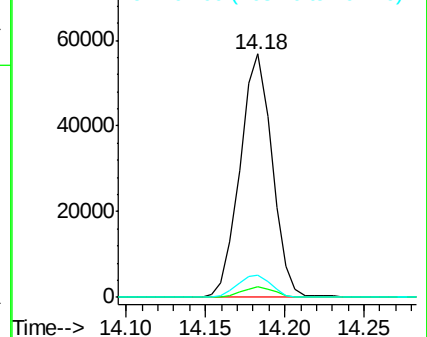
164 9.3 8.8 13.2



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



#55

4-Nitrophenol

Concen: 2.99 ng

RT: 15.14 min Scan# 2093

Delta R.T. 0.19 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

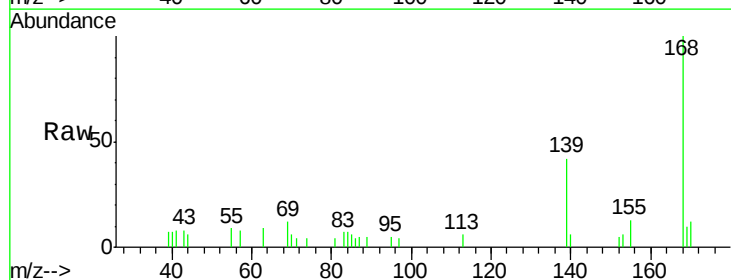
Tgt Ion:139 Resp: 2533

Ion Ratio Lower Upper

139 100

109 0.0 43.2 83.2#

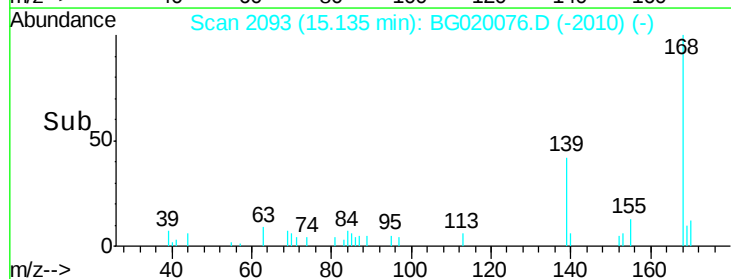
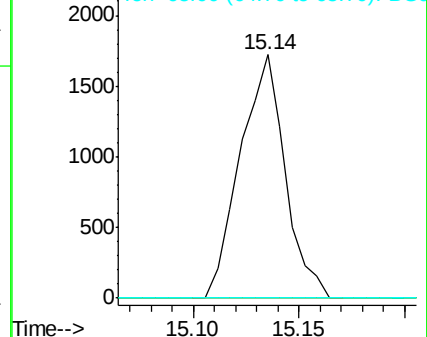
65 0.0 67.8 107.8#

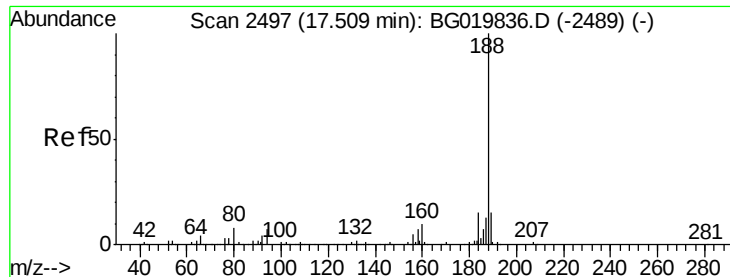


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGO

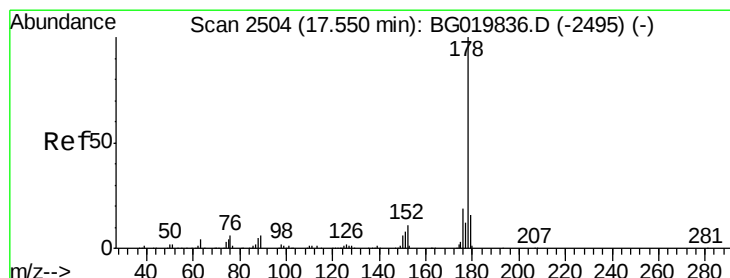
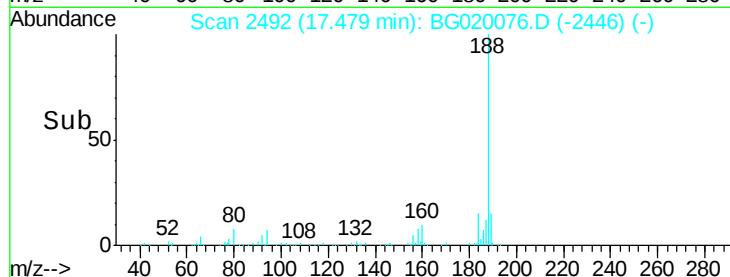
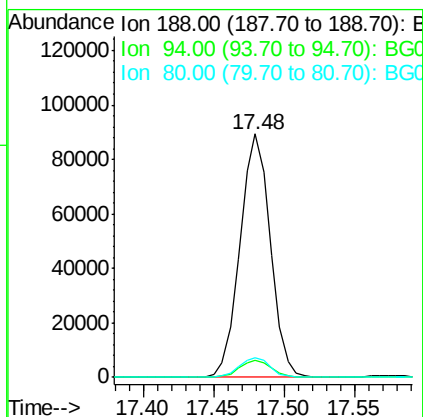
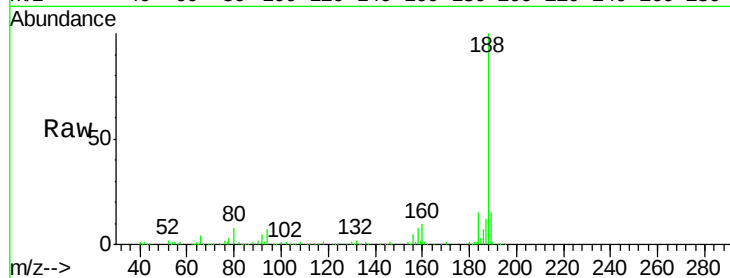




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

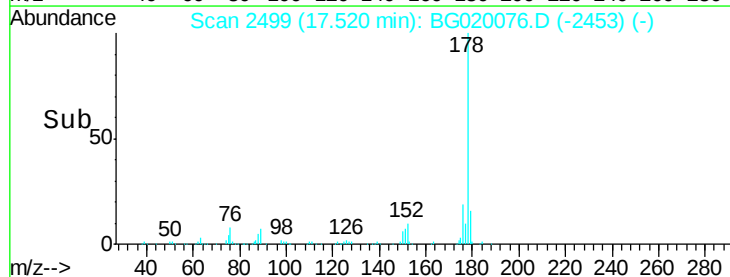
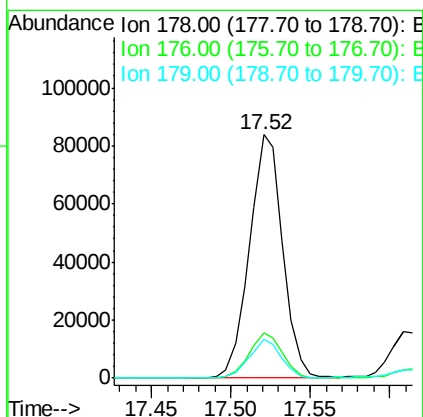
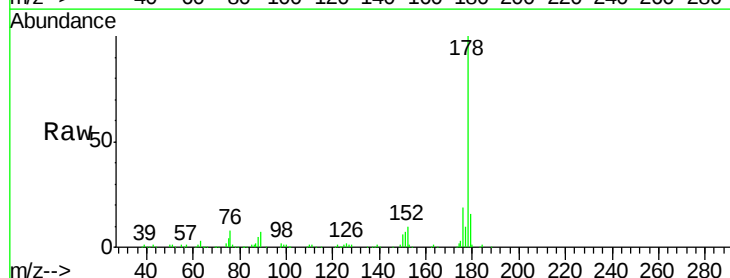
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BNA_G
ClientSampleId :
S3-14.5

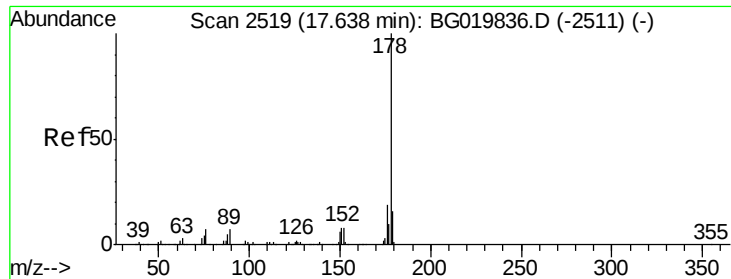
Tgt Ion:188 Resp: 134503
Ion Ratio Lower Upper
188 100
94 7.1 7.7 11.5#
80 8.3 7.8 11.8



#70
Phenanthrene
Concen: 16.03 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

Tgt Ion:178 Resp: 121974
Ion Ratio Lower Upper
178 100
176 18.6 16.7 25.1
179 15.8 13.9 20.9

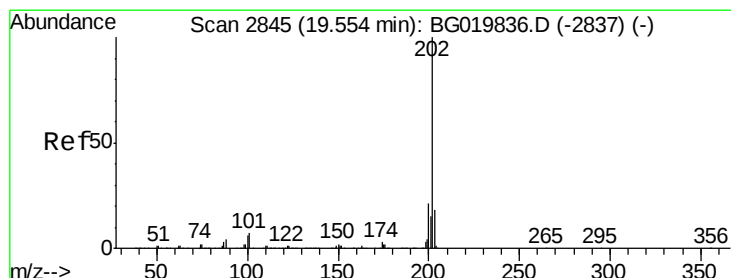
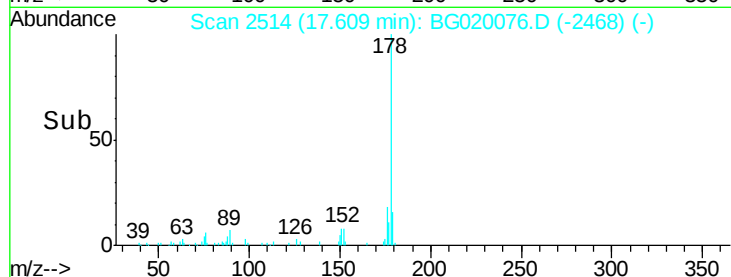
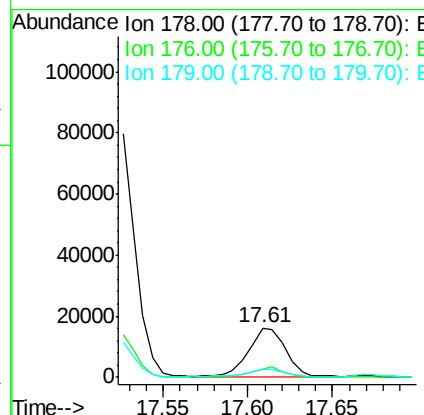
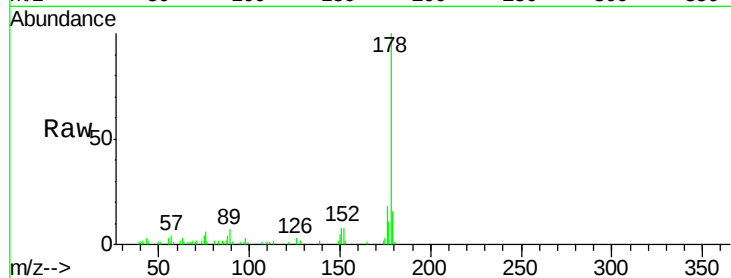




#71
 Anthracene
 Concen: 3.10 ng
 RT: 17.61 min Scan# 2514
 Delta R.T. -0.03 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

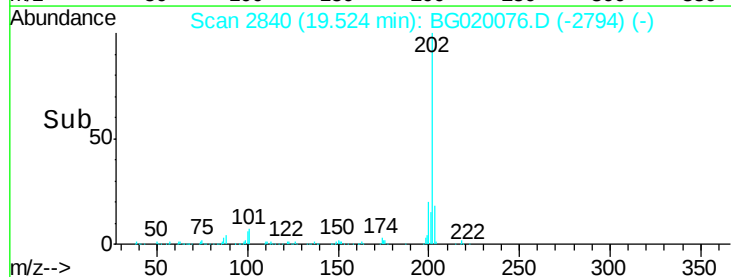
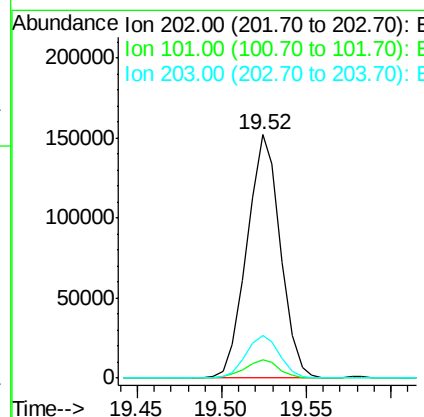
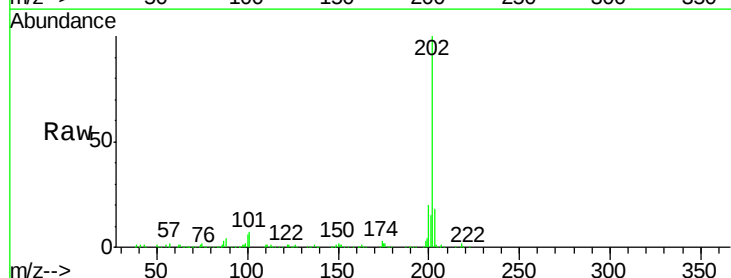
Instrument :
 BNA_G
 ClientSampleId :
 S3-14.5

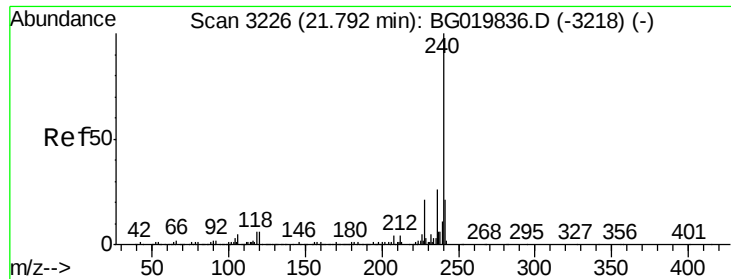
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.8	25.2
179	16.1	13.9	20.9



#74
 Fluoranthene
 Concen: 21.48 ng
 RT: 19.52 min Scan# 2840
 Delta R.T. -0.03 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	32.4
203	17.7	0.0	39.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Instrument :

BNA_G

ClientSampleId :

S3-14.5

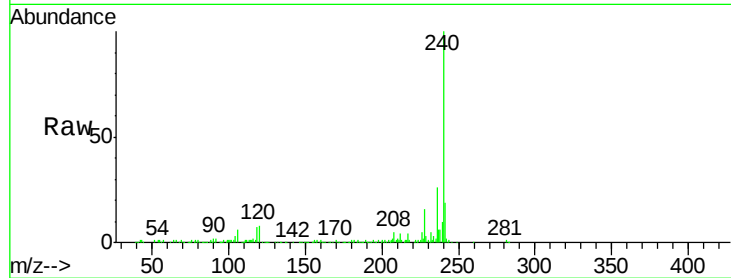
Tgt Ion:240 Resp: 162715

Ion Ratio Lower Upper

240 100

120 7.6 7.4 11.0

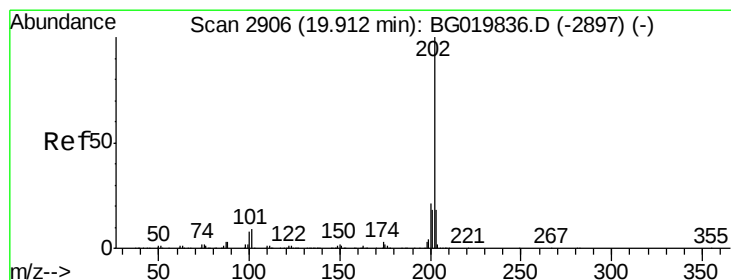
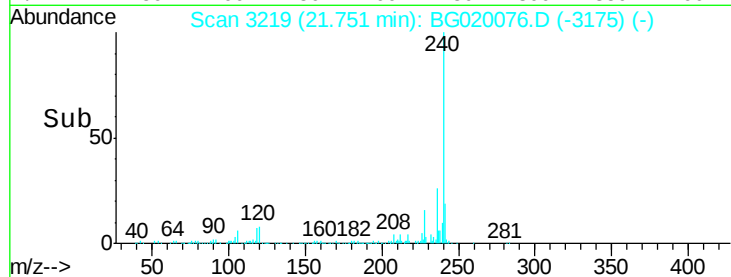
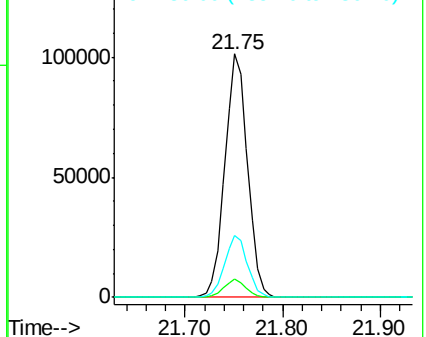
236 25.5 20.7 31.1



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: 18.89 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

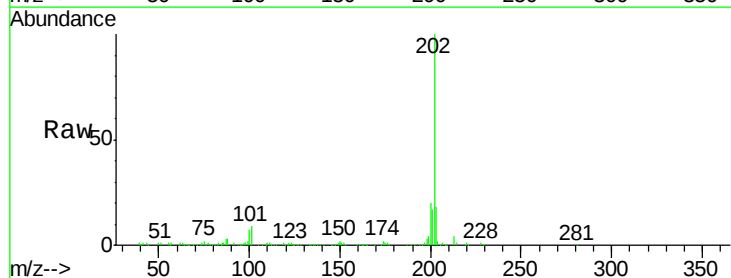
Tgt Ion:202 Resp: 180798

Ion Ratio Lower Upper

202 100

200 20.1 19.4 29.0

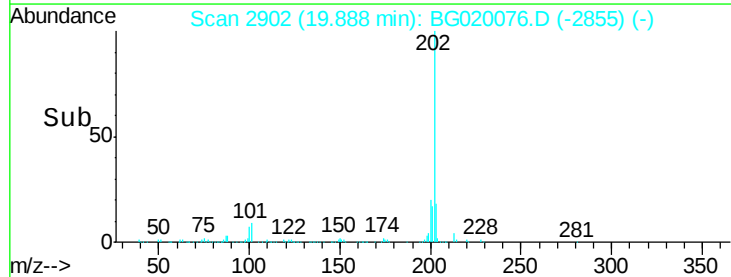
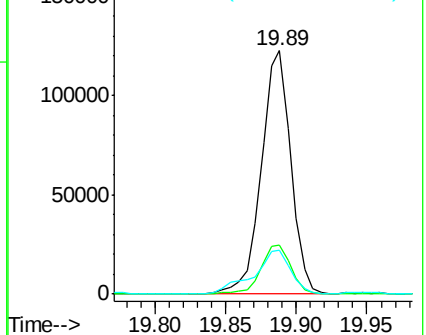
203 18.0 15.5 23.3

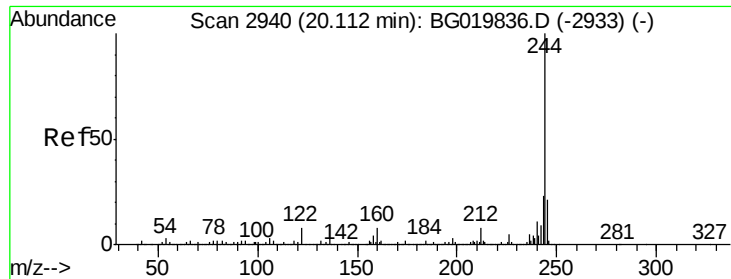


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

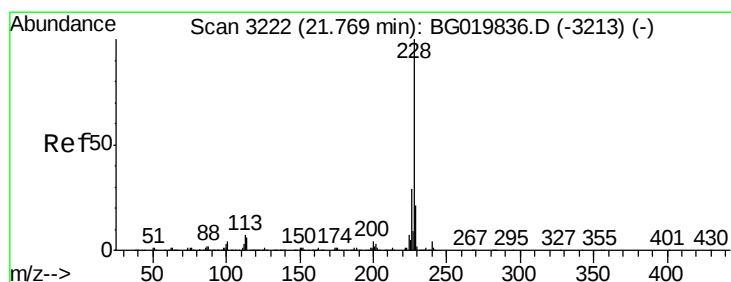
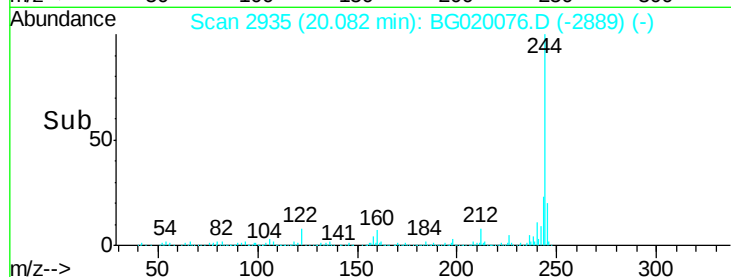
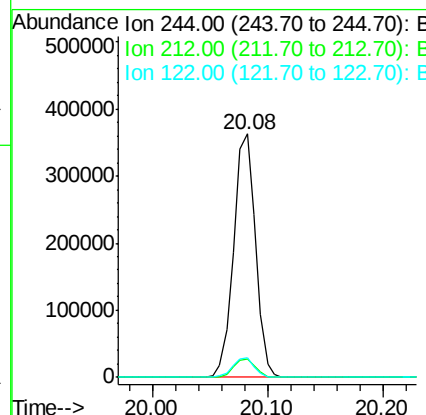
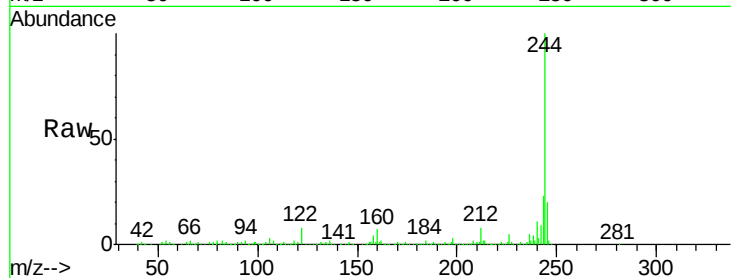




#78
 Terphenyl-d14
 Concen: 71.16 ng
 RT: 20.08 min Scan# 2935
 Delta R.T. -0.03 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

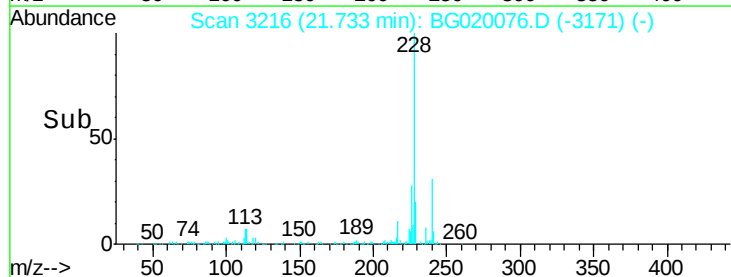
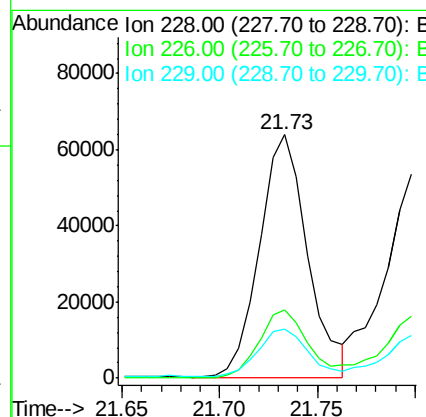
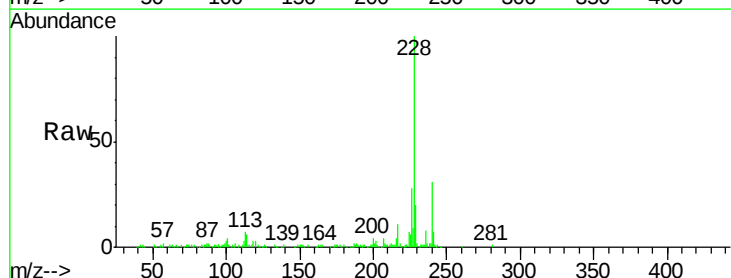
Instrument :
 BNA_G
 ClientSampleId :
 S3-14.5

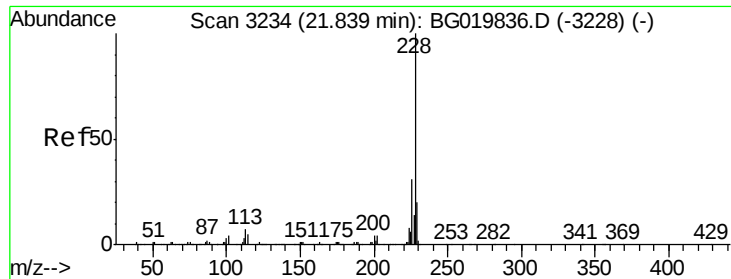
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	7.8	10.2	15.2#



#80
 Benzo(a)anthracene
 Concen: 10.89 ng
 RT: 21.73 min Scan# 3216
 Delta R.T. -0.04 min
 Lab File: BG020076.D
 Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.0
229	20.2	16.6	25.0





#82

Chrysene

Concen: 10.22 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Instrument :

BNA_G

ClientSampleId :

S3-14.5

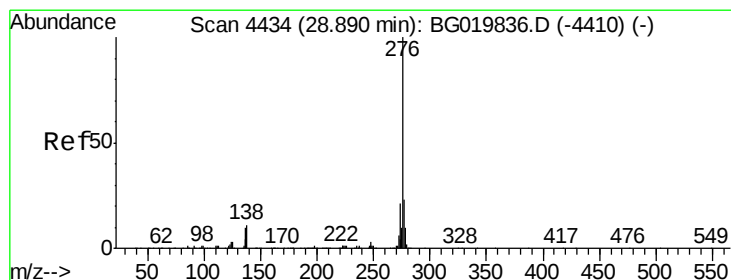
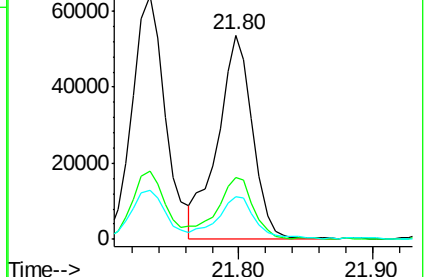
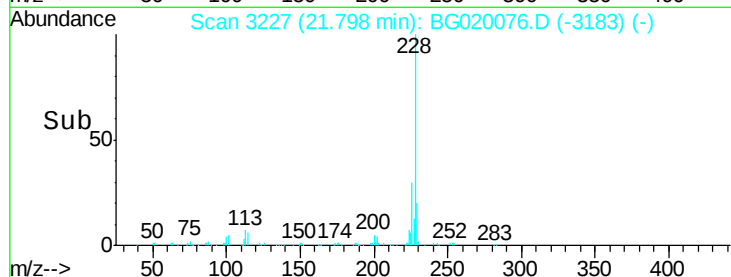
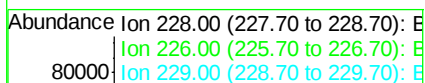
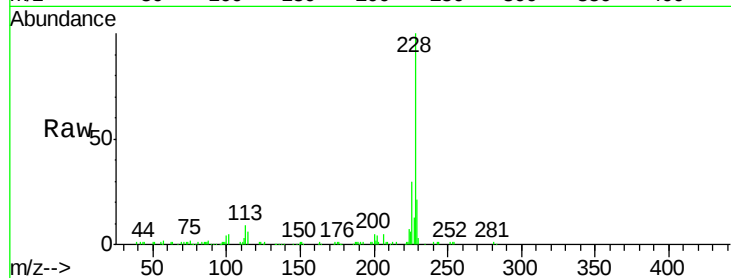
Tgt Ion:228 Resp: 96673

Ion Ratio Lower Upper

228 100

226 30.3 26.7 40.1

229 20.9 17.0 25.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.82 ng

RT: 28.75 min Scan# 4410

Delta R.T. -0.14 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

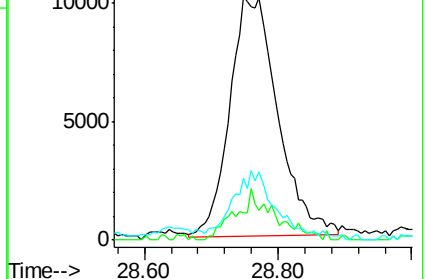
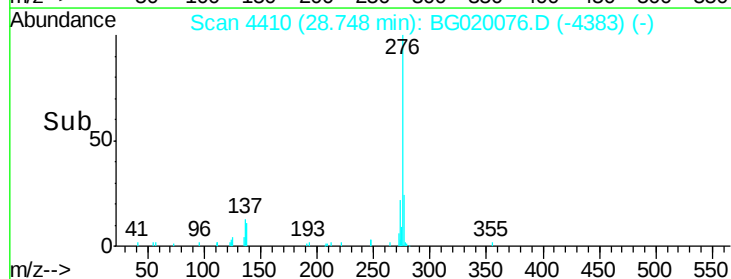
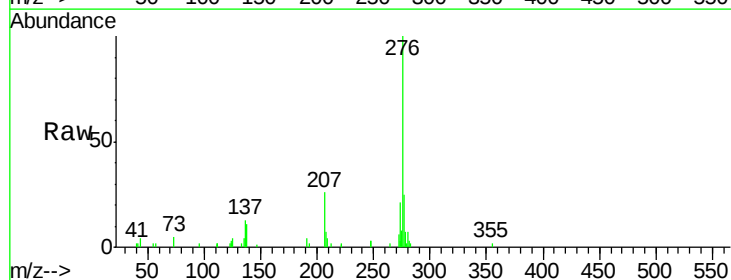
Tgt Ion:276 Resp: 50188

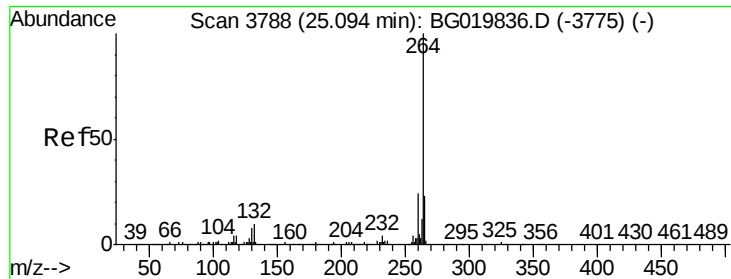
Ion Ratio Lower Upper

276 100

138 1.1 0.0 0.0#

277 20.7 0.0 0.0#

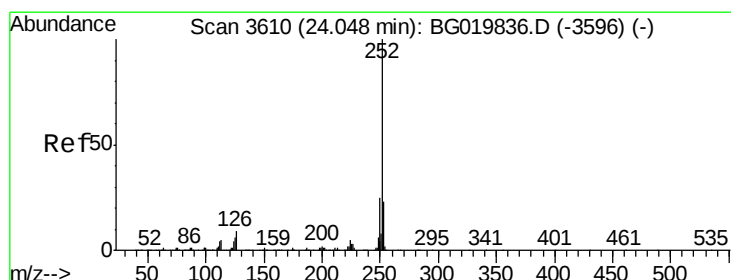
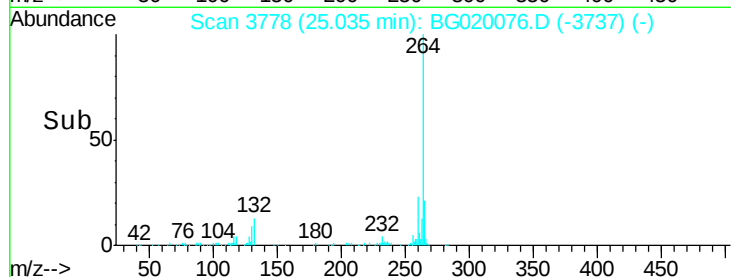
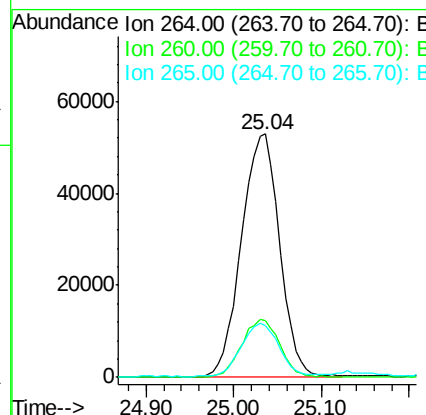
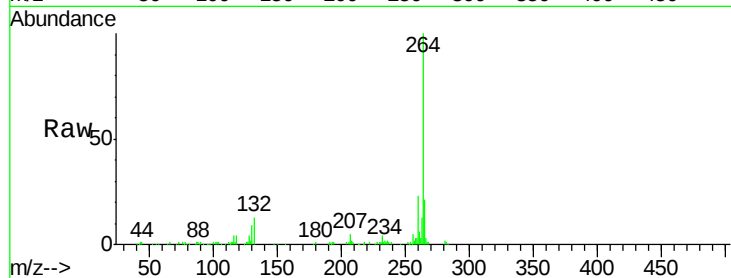




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.06 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

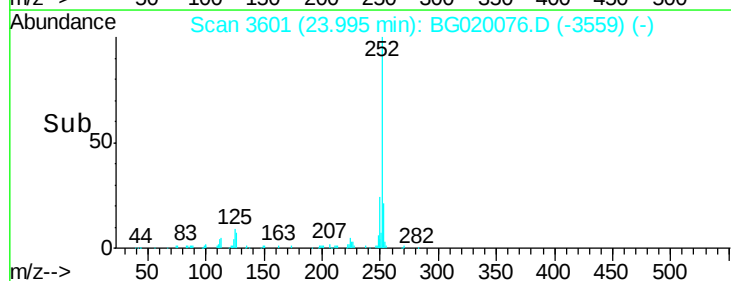
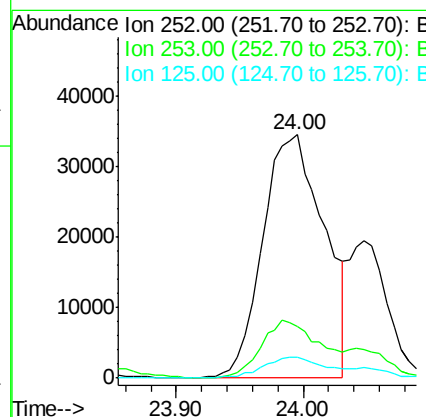
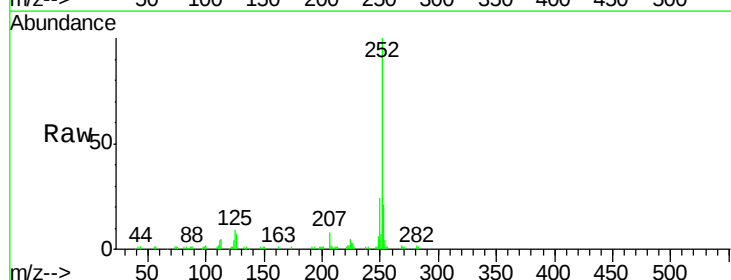
Instrument :
BNA_G
ClientSampleId :
S3-14.5

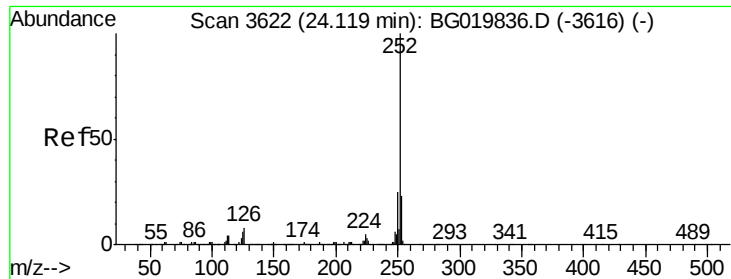
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 11.68 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.05 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.1	28.7
125	8.6	8.9	13.3#

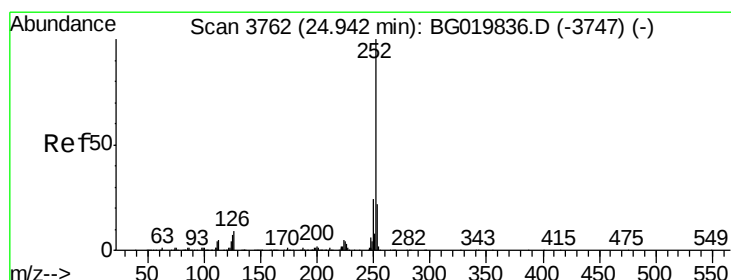
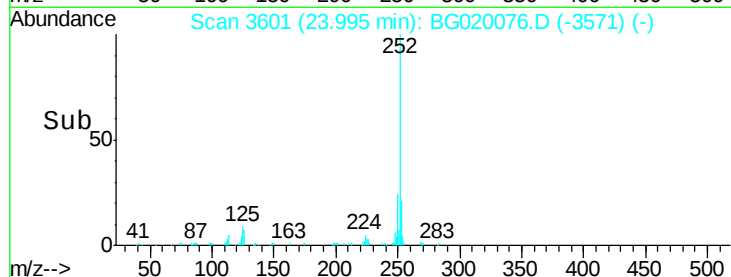
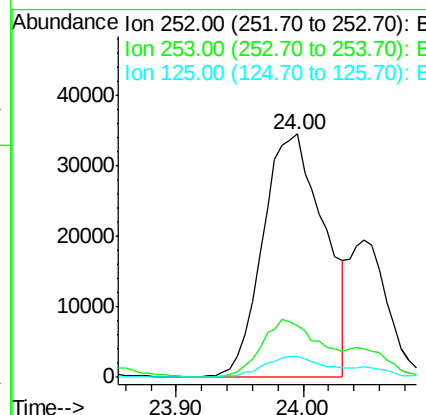
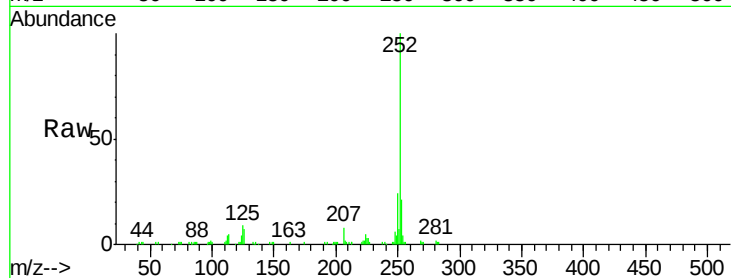




#88
Benzo(k)fluoranthene
Concen: 11.80 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.12 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

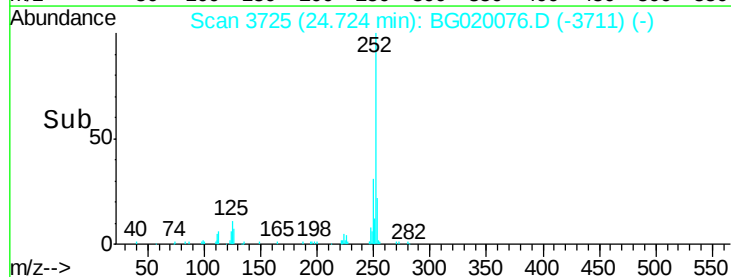
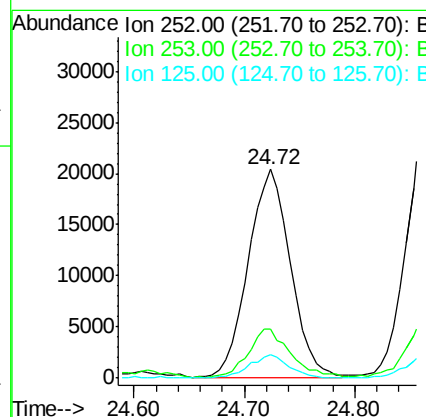
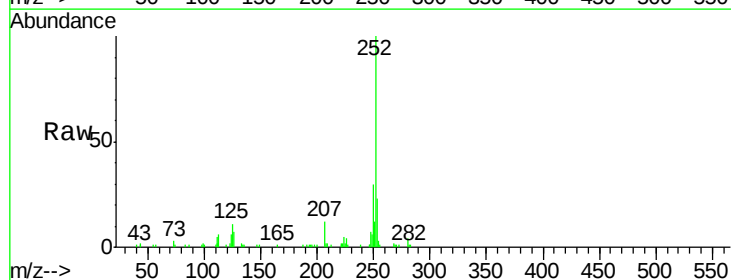
Instrument :
BNA_G
ClientSampleId :
S3-14.5

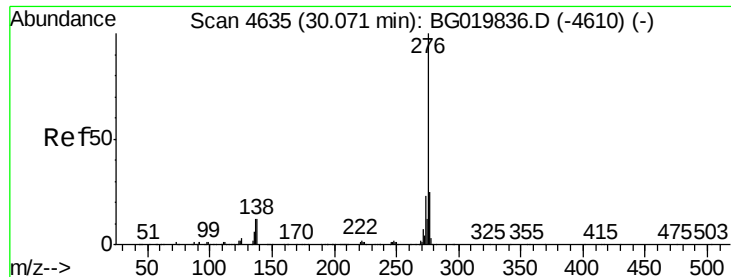
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.0	28.4
125	8.6	8.9	13.3#



#89
Benzo(a)pyrene
Concen: 5.83 ng
RT: 24.72 min Scan# 3725
Delta R.T. -0.22 min
Lab File: BG020076.D
Acq: 10 Dec 2015 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	11.1	9.1	13.7





#91

Benzo(g,h,i)perylene

Concen: 4.99 ng

RT: 29.93 min Scan# 4611

Delta R.T. -0.14 min

Lab File: BG020076.D

Acq: 10 Dec 2015 15:20

Instrument :

BNA_G

ClientSampleId :

S3-14.5

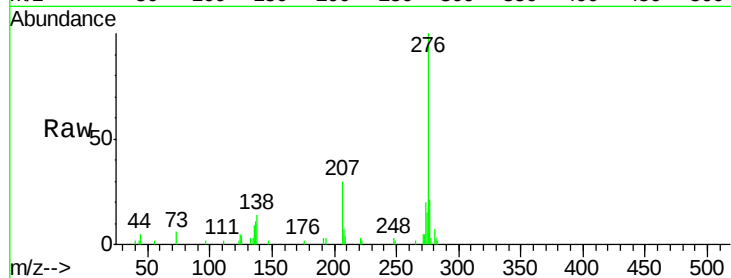
Tgt Ion: 276 Resp: 45735

Ion Ratio Lower Upper

276 100

277 20.5 18.4 27.6

138 13.7 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

