

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121115\
 Data File : BG020085.D
 Acq On : 10 Dec 2015 21:12
 Operator : UM/SJ
 Sample : G4683-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

Quant Time: Dec 11 04:49:22 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

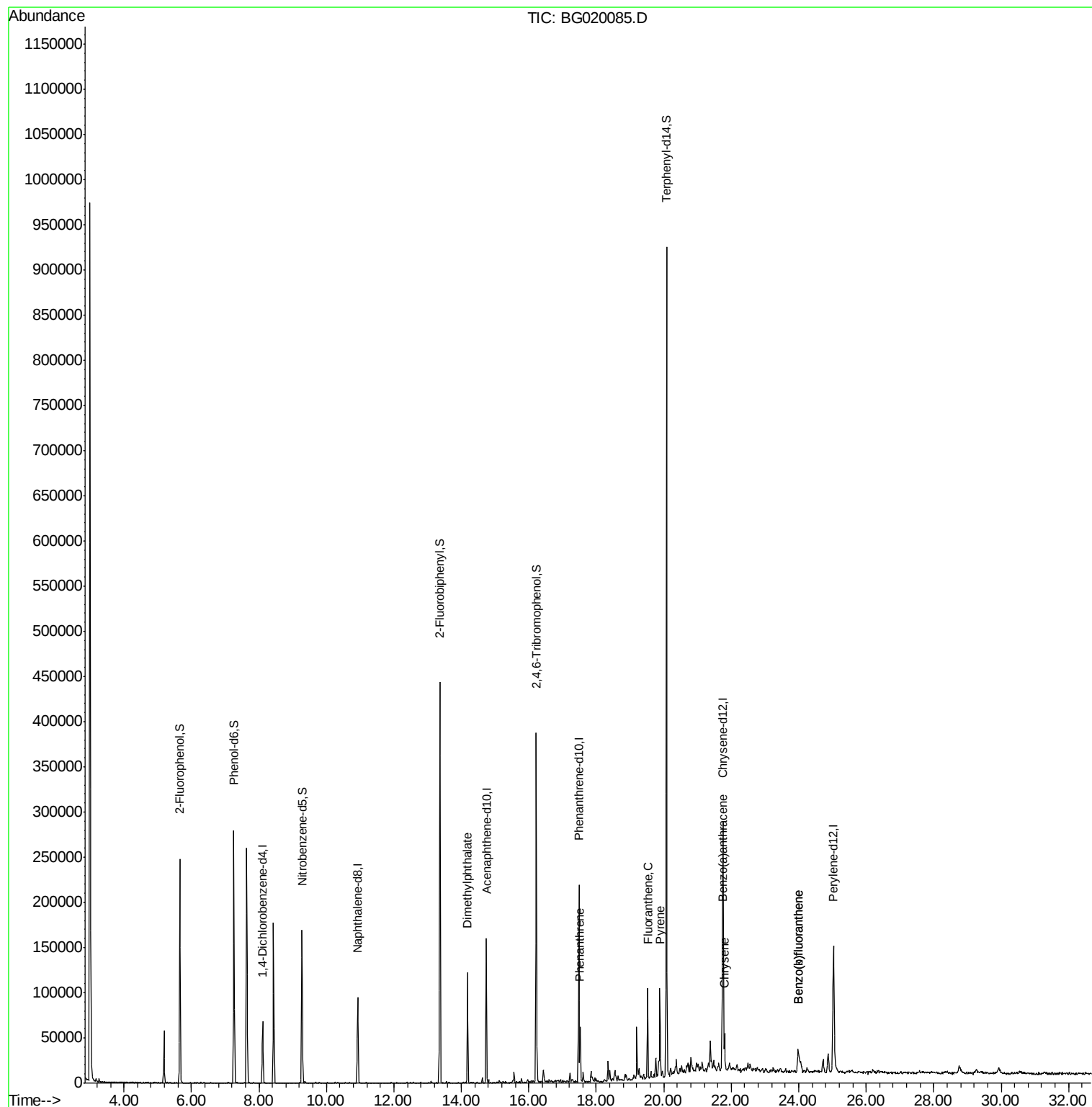
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	18704	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	80168	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	55176	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	137046	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	169175	20.00	ng	-0.04
86) Perylene-d12	25.03	264	159215	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	104447	100.93	ng	-0.01
7) Phenol-d6	7.26	99	159469	102.06	ng	-0.02
23) Nitrobenzene-d5	9.27	82	106559	67.84	ng	-0.03
41) 2,4,6-Tribromophenol	16.22	330	75171	89.04	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	222737	55.12	ng	-0.03
78) Terphenyl-d14	20.08	244	401901	57.95	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	77156	15.55	ng	99
70) Phenanthrene	17.52	178	39647	5.11	ng	93
74) Fluoranthene	19.52	202	60784	6.13	ng	91
77) Pyrene	19.88	202	55730	5.60	ng	92
80) Benzo(a)anthracene	21.73	228	29540	2.85	ng	97
82) Chrysene	21.80	228	29035	2.95	ng	98
87) Benzo(b)fluoranthene	23.99	252	32923	3.26	ng	# 95
88) Benzo(k)fluoranthene	23.99	252	32923	3.29	ng	# 95

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

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Instrument :
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Quant Time: Dec 11 04:49:22 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

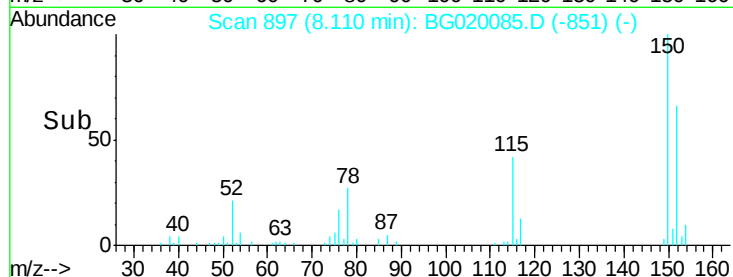
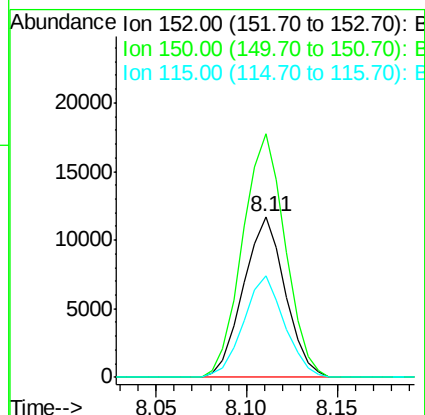
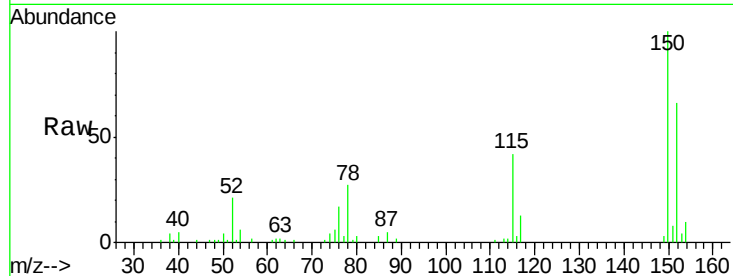




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.11 min Scan# 897
 Delta R.T. -0.03 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

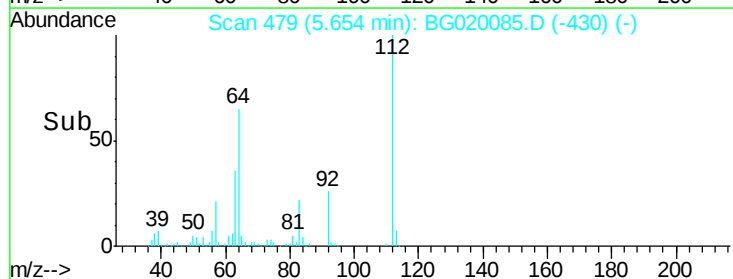
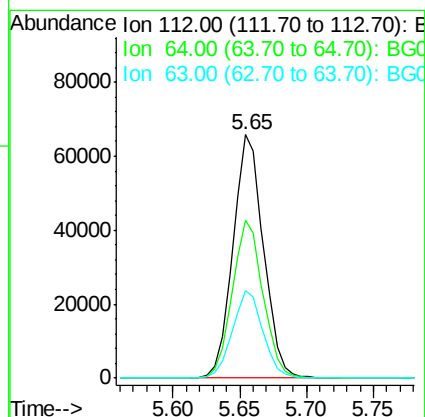
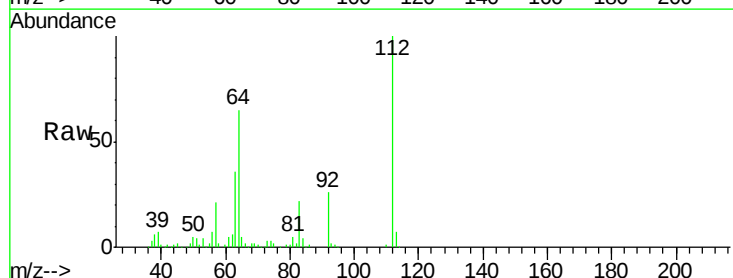
Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

Tgt Ion:152 Resp: 18704
 Ion Ratio Lower Upper
 152 100
 150 151.7 115.0 172.4
 115 63.5 43.9 65.9



#5
 2-Fluorophenol
 Concen: 100.93 ng
 RT: 5.65 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Tgt Ion:112 Resp: 104447
 Ion Ratio Lower Upper
 112 100
 64 64.9 43.7 65.5
 63 36.0 24.0 36.0#





#7

Phenol-d6

Concen: 102.06 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

ClientSampleId :

S10-14.5

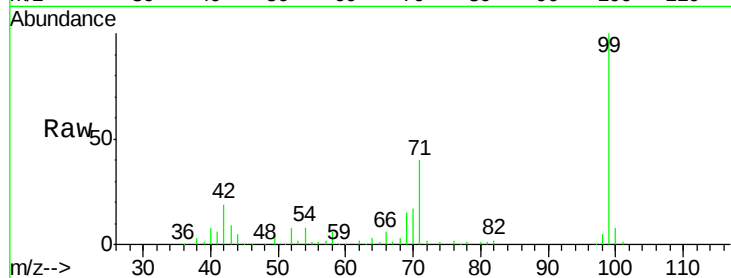
Tgt Ion: 99 Resp: 159469

Ion Ratio Lower Upper

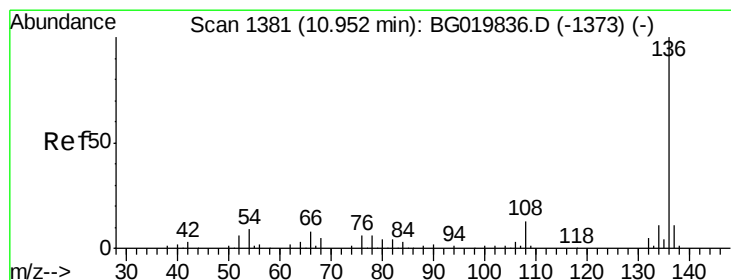
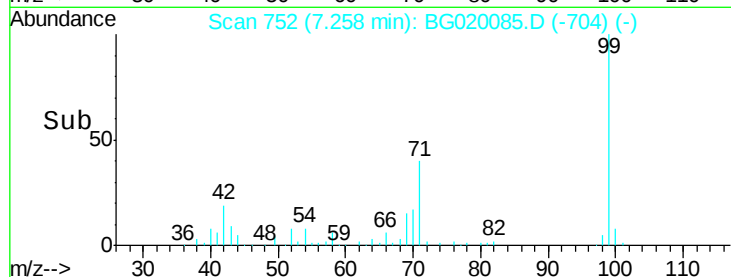
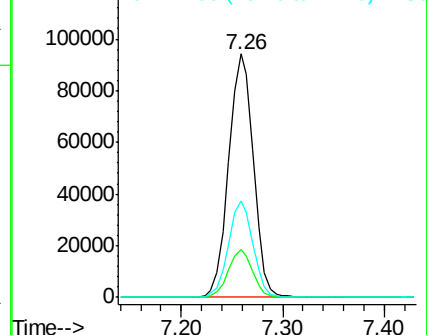
99 100

42 19.4 11.5 17.3#

71 39.9 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: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion: 136 Resp: 80168

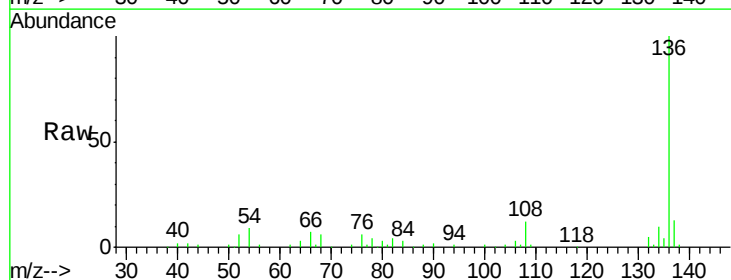
Ion Ratio Lower Upper

136 100

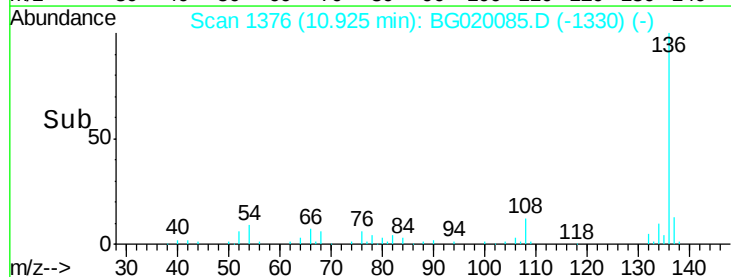
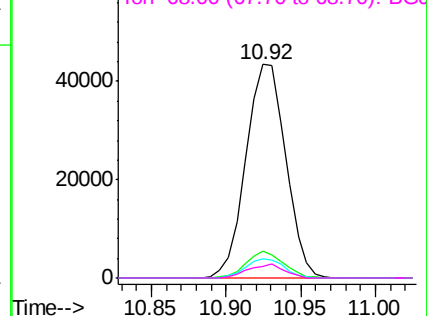
137 12.6 8.6 12.8

54 9.2 5.4 8.2#

68 5.7 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

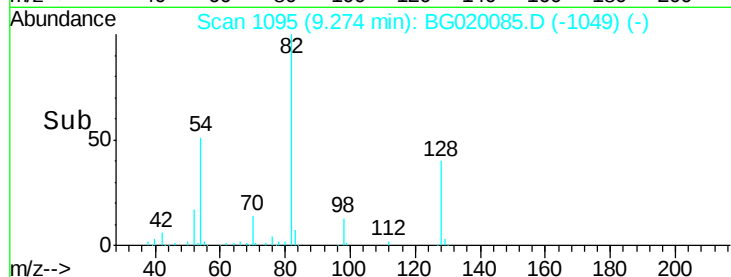
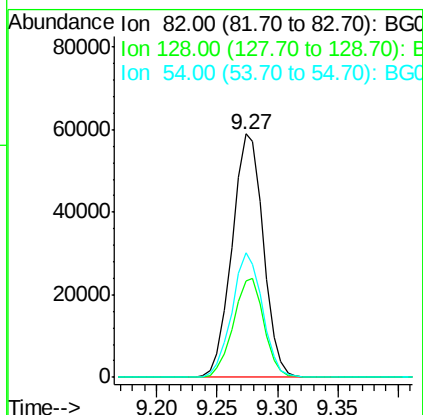
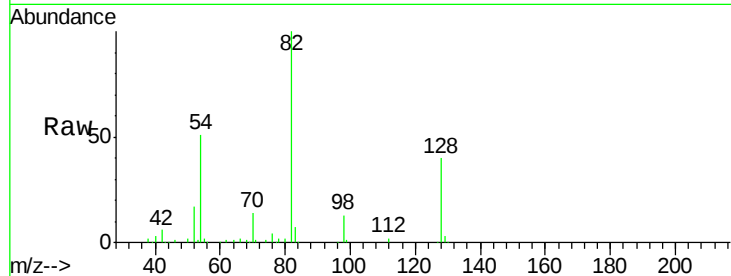




#23
Nitrobenzene-d5
Concen: 67.84 ng
RT: 9.27 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

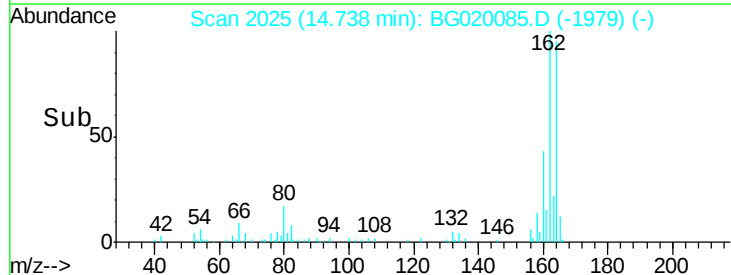
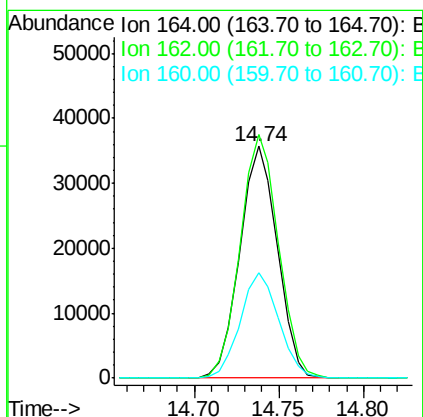
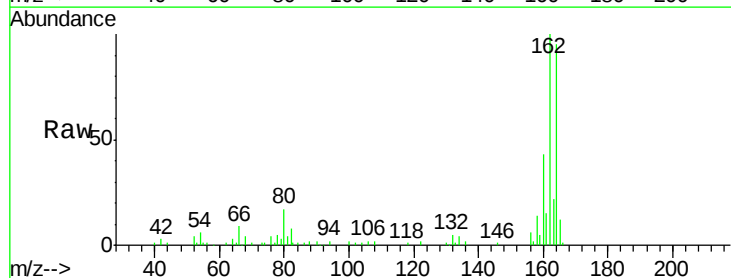
Instrument :
BNA_G
ClientSampleId :
S10-14.5

Tgt Ion: 82 Resp: 106559
Ion Ratio Lower Upper
82 100
128 39.6 36.7 55.1
54 51.3 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: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion: 164 Resp: 55176
Ion Ratio Lower Upper
164 100
162 104.9 78.8 118.2
160 45.2 36.4 54.6

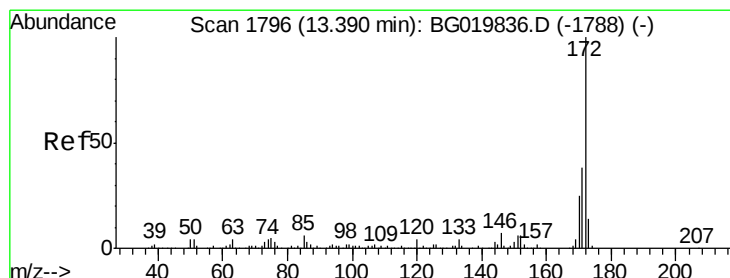
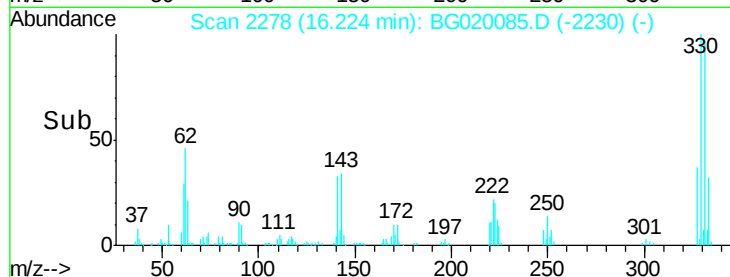
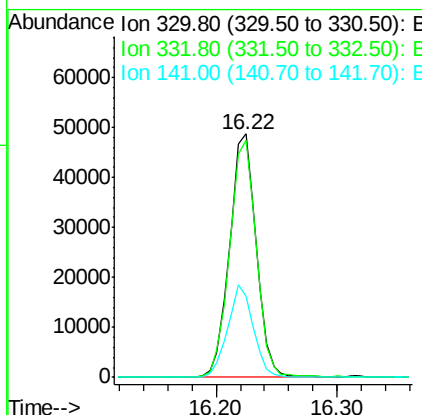
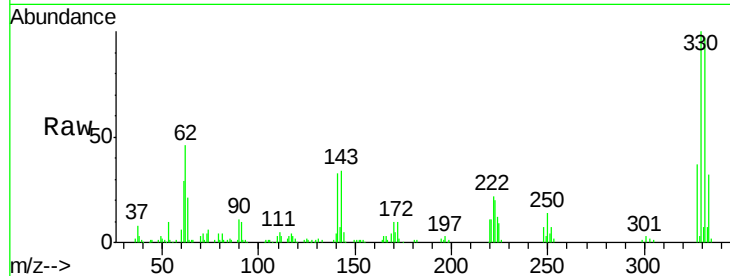




#41
 2,4,6-Tribromophenol
 Concen: 89.04 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

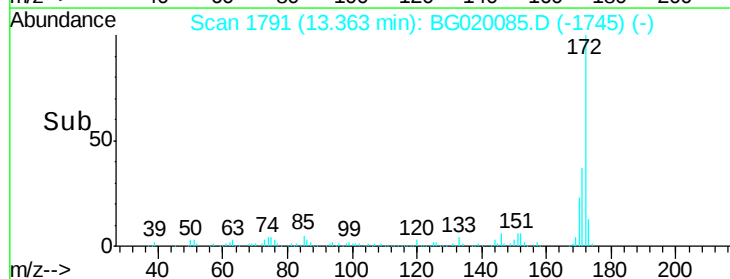
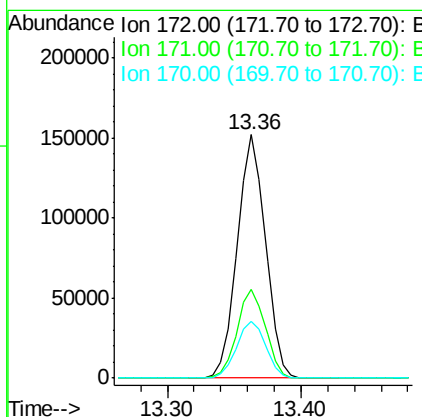
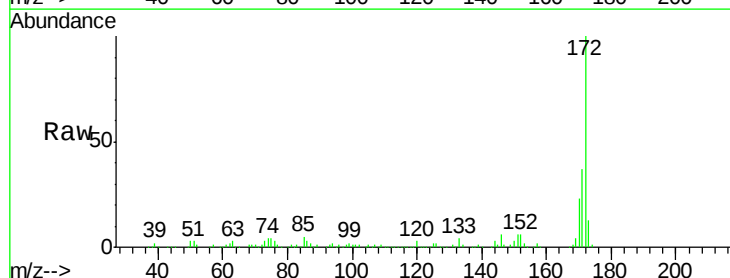
Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

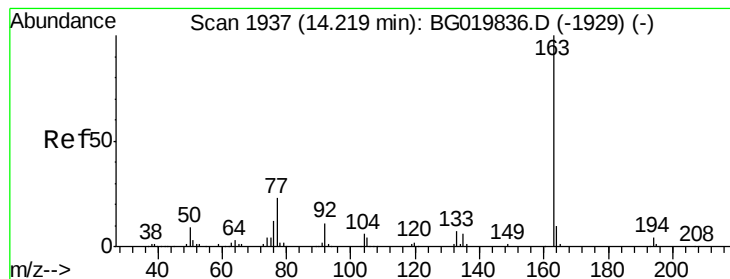
Tgt Ion:330 Resp: 75171
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.1 117.1
 141 36.4 28.2 42.2



#44
 2-Fluorobiphenyl
 Concen: 55.12 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Tgt Ion:172 Resp: 222737
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 23.4 19.9 29.9

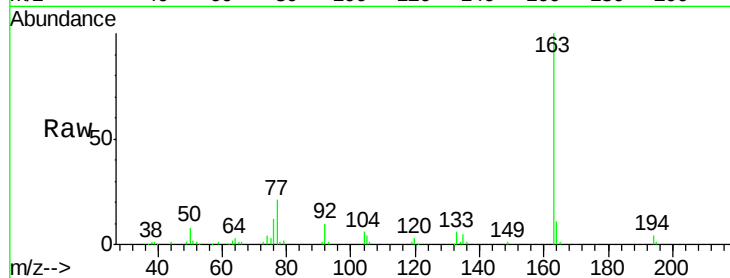




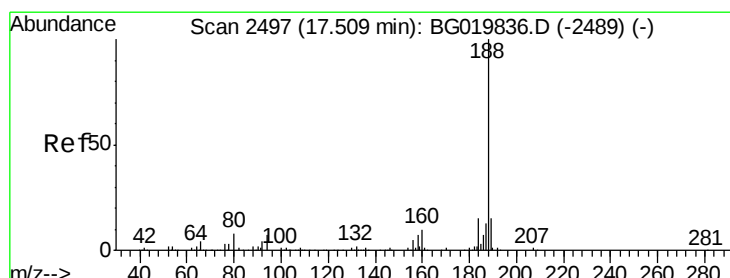
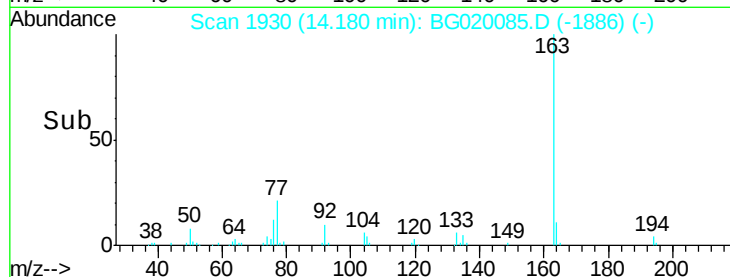
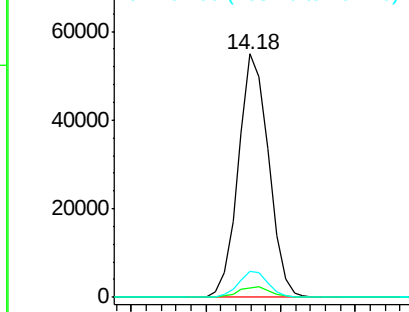
#49
Dimethylphthalate
Concen: 15.55 ng
RT: 14.18 min Scan# 1930
Delta R.T. -0.04 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Instrument :
BNA_G
ClientSampleId :
S10-14.5

Tgt Ion:163 Resp: 77156
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.6 8.8 13.2

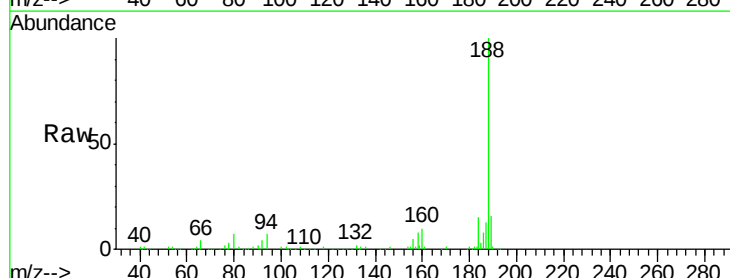


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

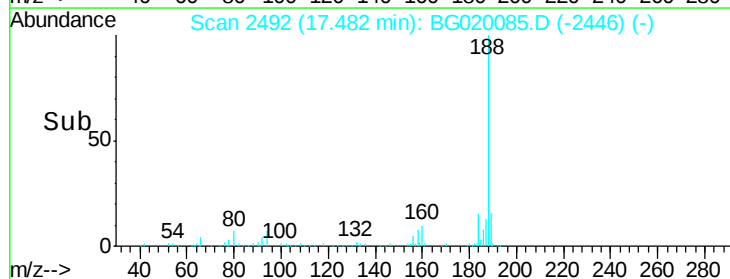
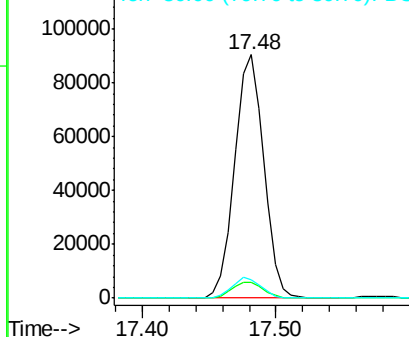


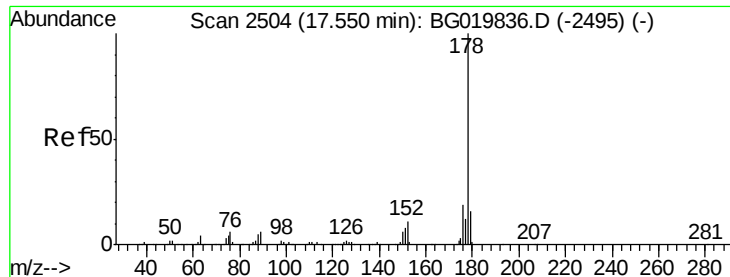
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion:188 Resp: 137046
Ion Ratio Lower Upper
188 100
94 6.6 7.7 11.5#
80 7.3 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: 5.11 ng

RT: 17.52 min Scan# 2499

Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

ClientSampleId :

S10-14.5

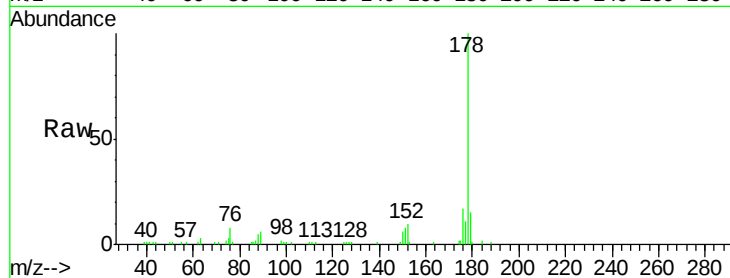
Tgt Ion:178 Resp: 39647

Ion Ratio Lower Upper

178 100

176 16.8 16.7 25.1

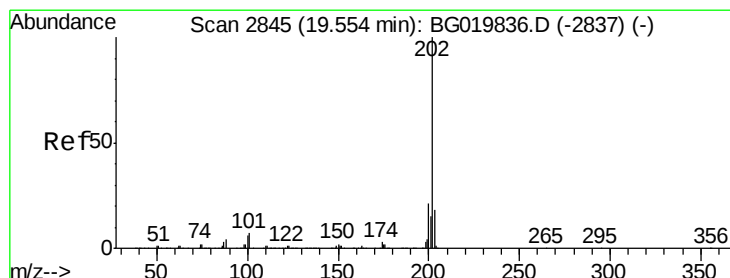
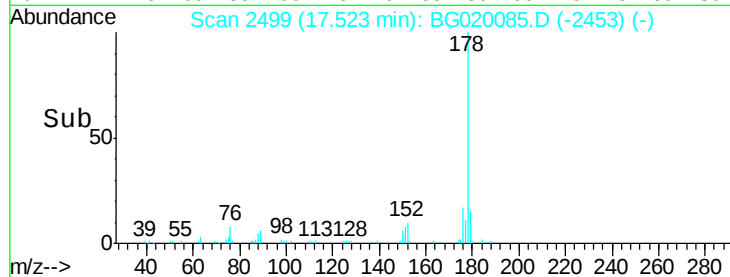
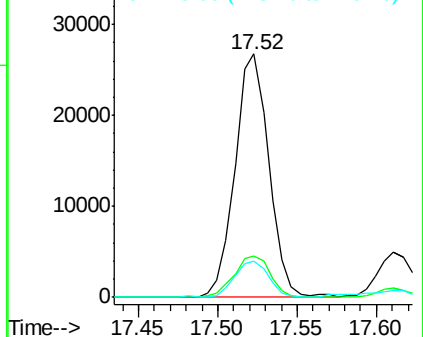
179 14.9 13.9 20.9



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: 6.13 ng

RT: 19.52 min Scan# 2839

Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

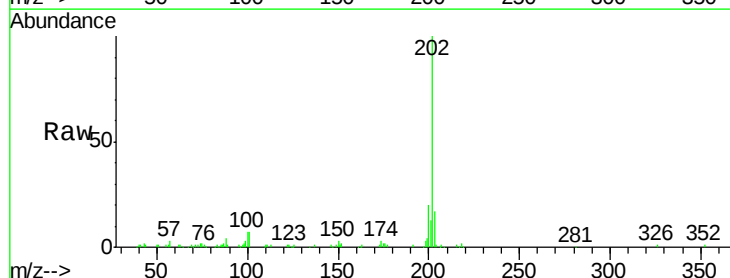
Tgt Ion:202 Resp: 60784

Ion Ratio Lower Upper

202 100

101 7.0 0.0 32.4

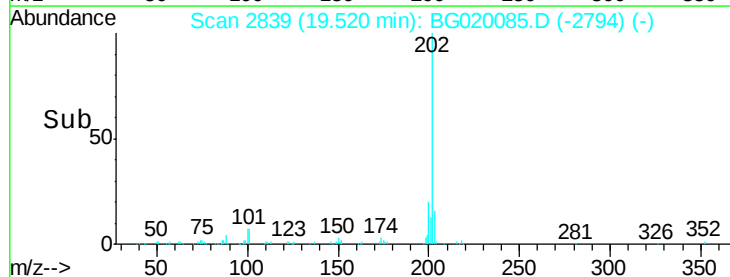
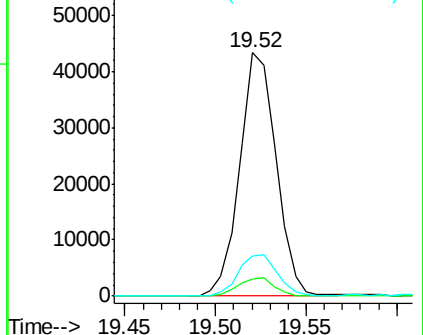
203 16.7 0.0 39.5

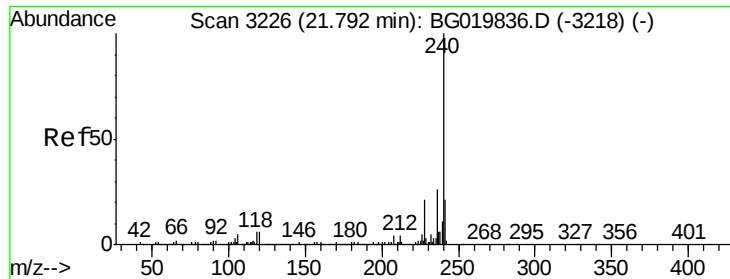


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

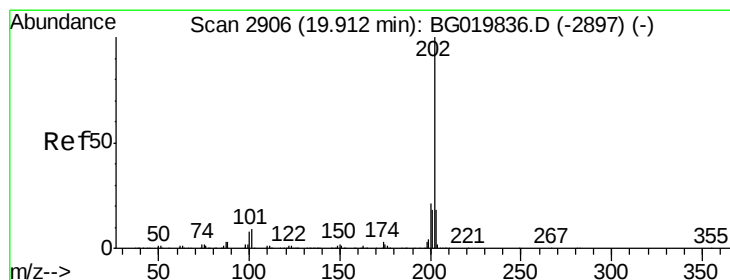
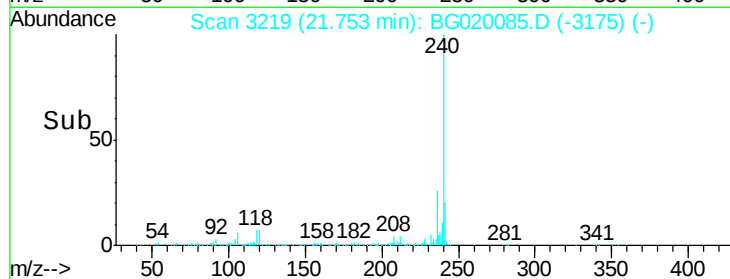
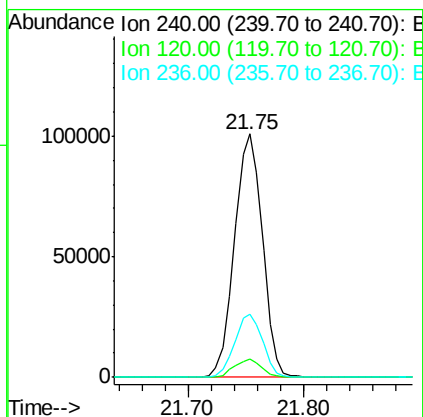
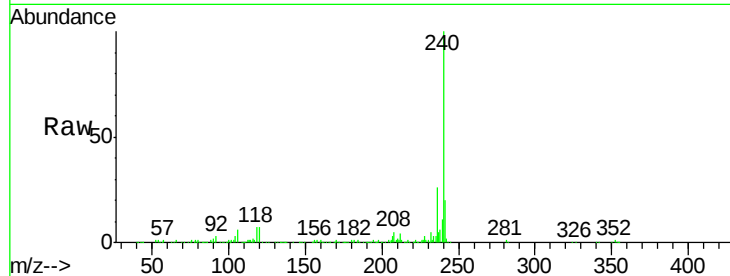




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.04 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

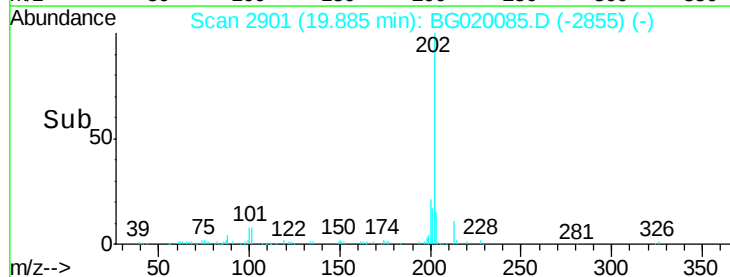
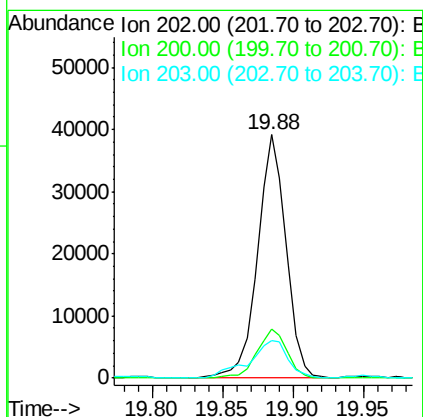
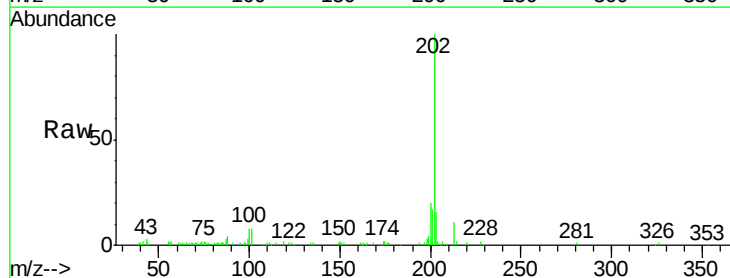
Instrument :
BNA_G
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S10-14.5

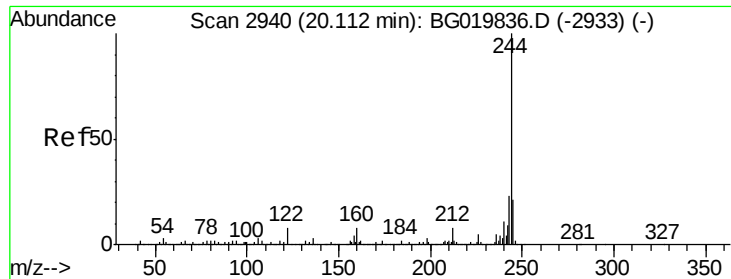
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	7.4	11.0
236	25.9	20.7	31.1



#77
Pyrene
Concen: 5.60 ng
RT: 19.88 min Scan# 2901
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	19.4	29.0
203	15.6	15.5	23.3





#78

Terphenyl-d14

Concen: 57.95 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

ClientSampleId :

S10-14.5

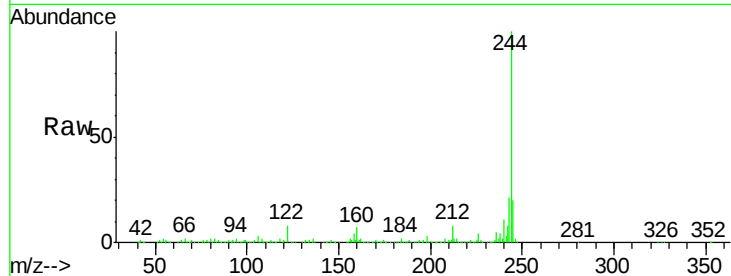
Tgt Ion:244 Resp: 401901

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

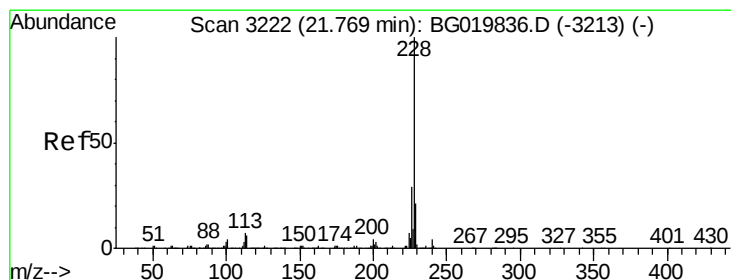
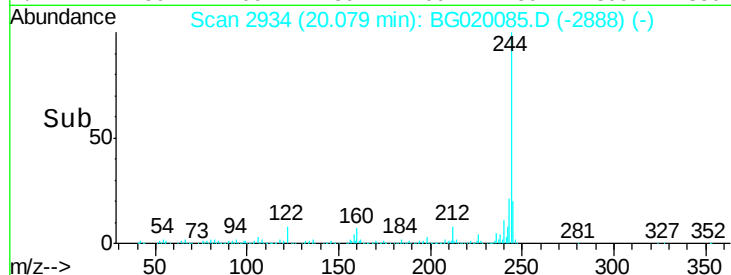
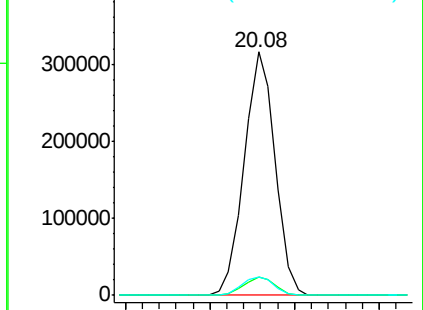
122 7.6 10.2 15.2#



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: 2.85 ng

RT: 21.73 min Scan# 3215

Delta R.T. -0.04 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

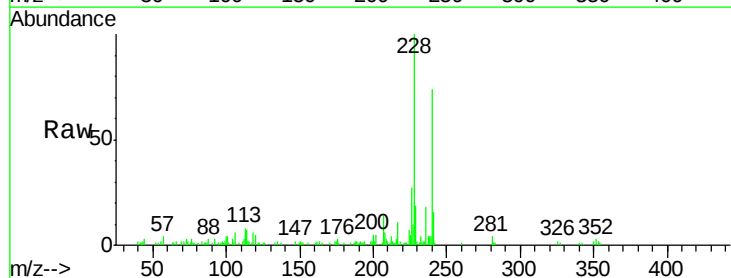
Tgt Ion:228 Resp: 29540

Ion Ratio Lower Upper

228 100

226 27.4 23.4 35.0

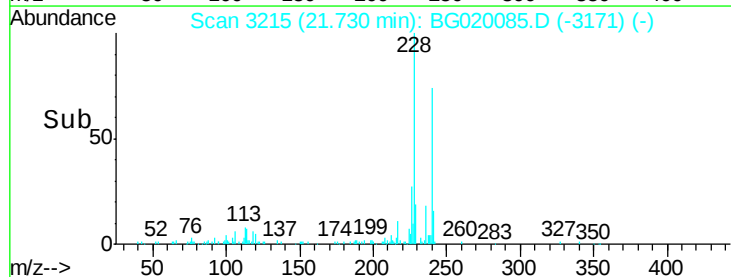
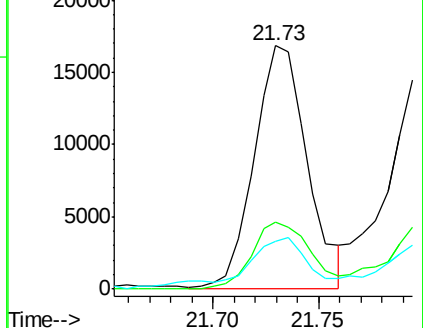
229 19.5 16.6 25.0

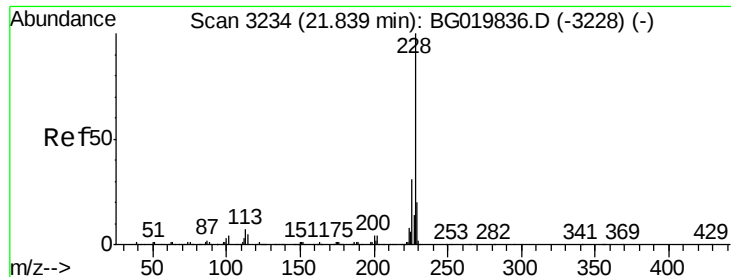


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.95 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

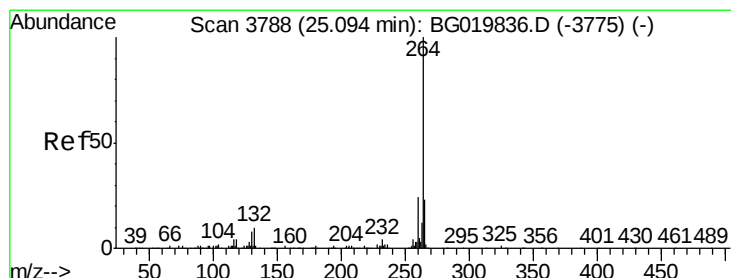
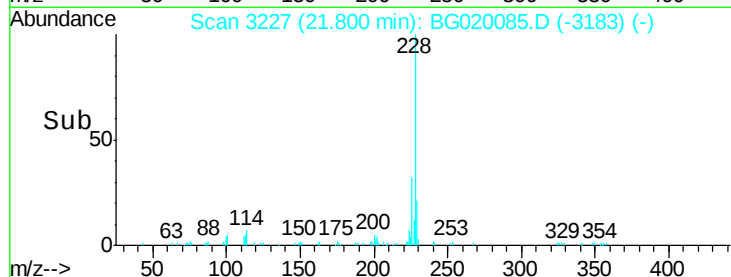
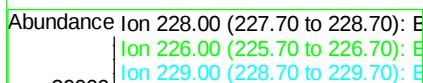
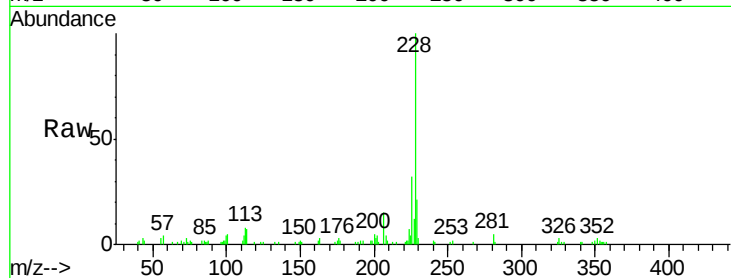
BNA_G

ClientSampleId :

S10-14.5

Tgt Ion: 228 Resp: 29035

Ion	Ratio	Lower	Upper
228	100		
226	31.5	26.7	40.1
229	20.8	17.0	25.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.03 min Scan# 3777

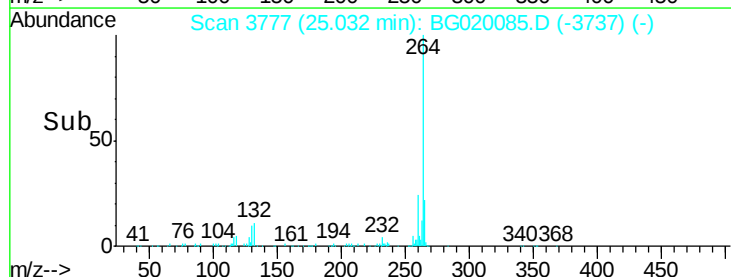
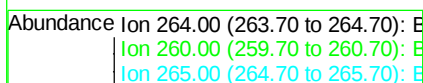
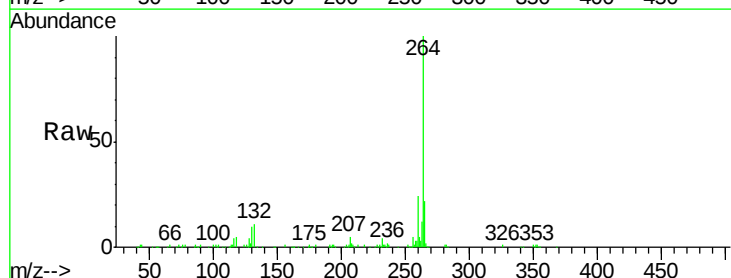
Delta R.T. -0.06 min

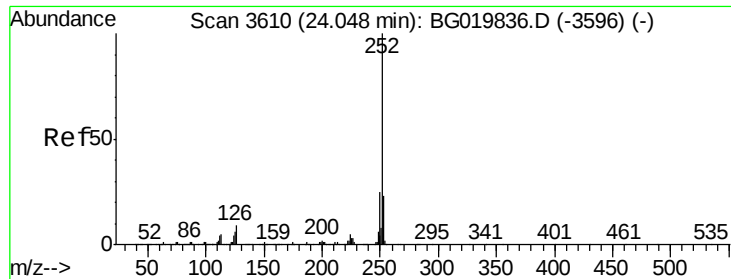
Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion: 264 Resp: 159215

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.26 ng

RT: 23.99 min Scan# 3599

Delta R.T. -0.06 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

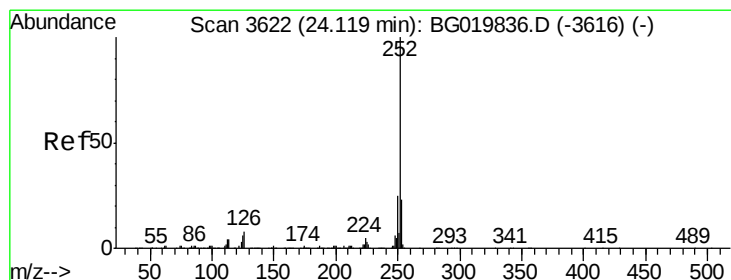
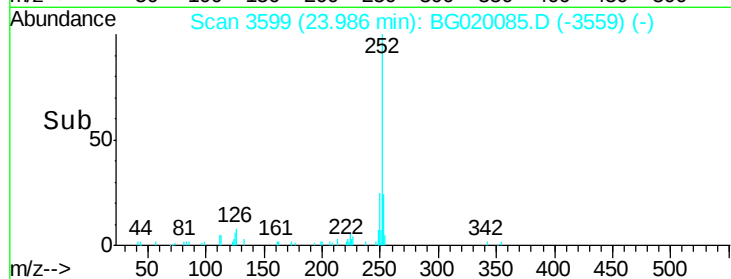
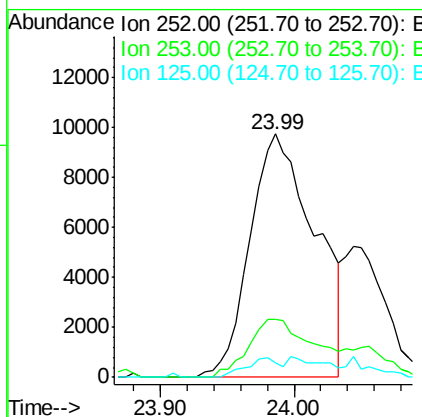
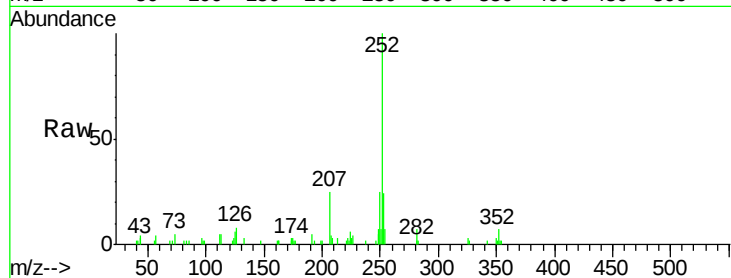
Instrument :

BNA_G

ClientSampleId :

S10-14.5

Tgt Ion:	252	Resp:	32923
Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.1	28.7
125	5.7	8.9	13.3#



#88

Benzo(k)fluoranthene

Concen: 3.29 ng

RT: 23.99 min Scan# 3599

Delta R.T. -0.13 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion:	252	Resp:	32923
Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	5.7	8.9	13.3#

