

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020998.D
 Acq On : 20 Feb 2016 8:03
 Operator : SJ/UM
 Sample : H1520-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40052+15(0-2)

Quant Time: Feb 21 23:31:18 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

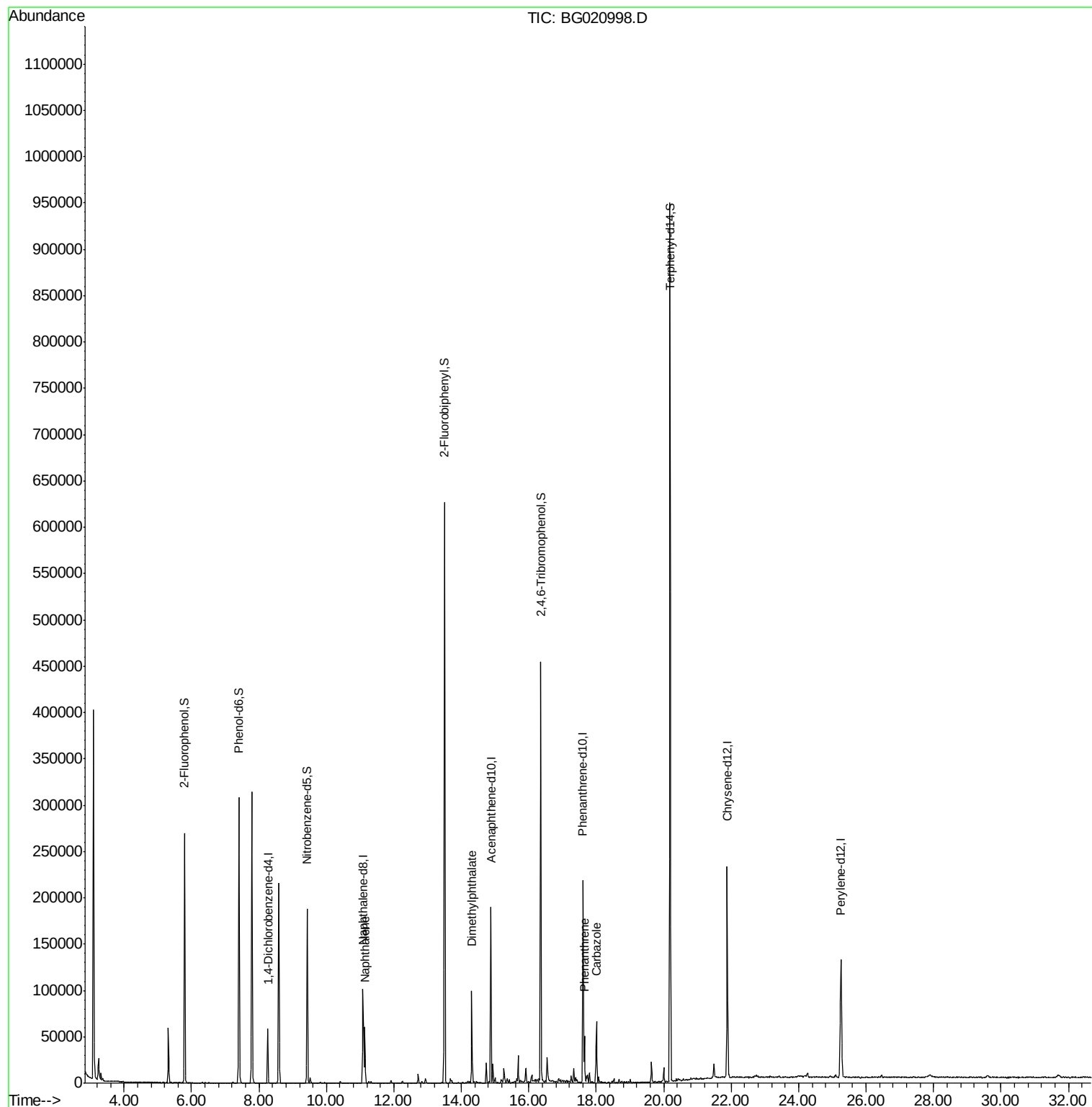
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	19174	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	97907	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	65609	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	139395	20.00	ng	-0.01
75) Chrysene-d12	21.88	240	133251	20.00	ng	-0.02
86) Perylene-d12	25.25	264	125641	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	151889	133.40	ng	0.00
7) Phenol-d6	7.41	99	235165	141.31	ng	0.00
23) Nitrobenzene-d5	9.43	82	126631	85.04	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	91188	141.33	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	335506	71.83	ng	-0.01
78) Terphenyl-d14	20.18	244	412418	72.20	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	11.13	128	59308	11.71	ng	98
49) Dimethylphthalate	14.31	163	72358	14.10	ng	100
70) Phenanthrene	17.65	178	29935	3.77	ng	99
72) Carbazole	18.01	167	45320	6.27	ng	97

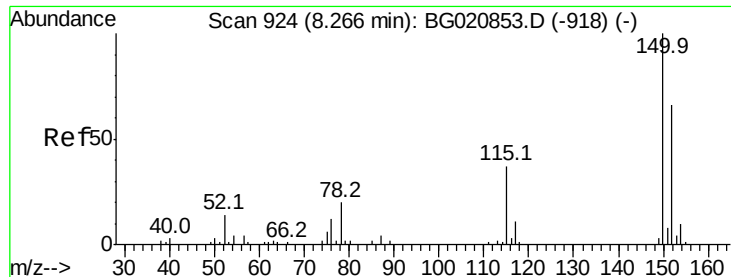
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Instrument :

BNA_G

ClientSampleId :

40052+15(0-2)

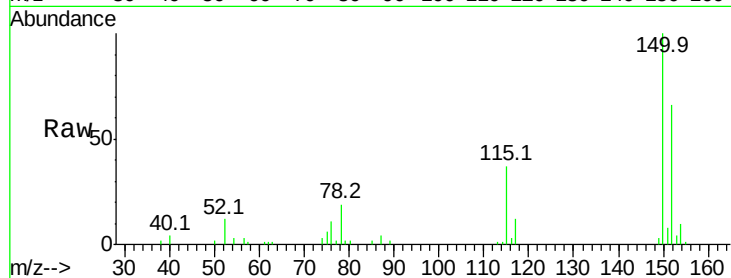
Tot Ion:152 Resp: 19174

Ion Ratio Lower Upper

152 100

150 151.9 122.0 183.0

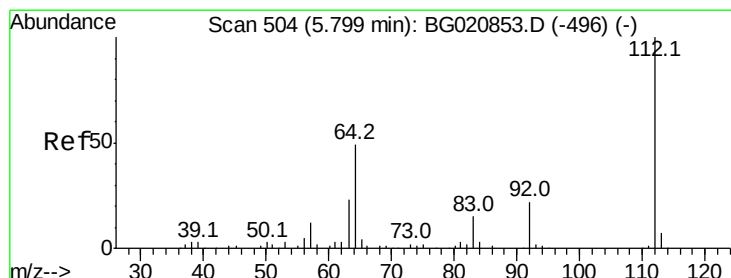
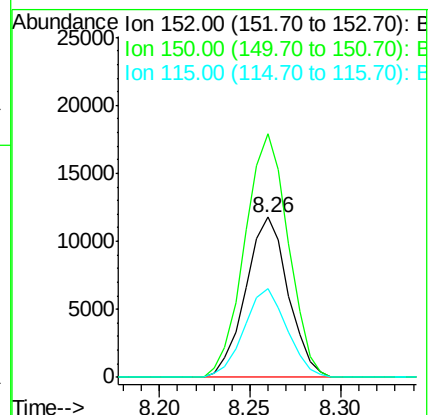
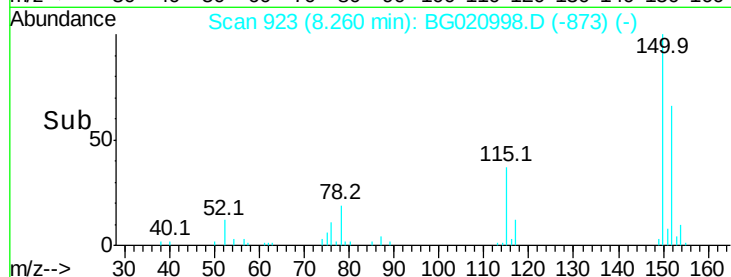
115 55.5 45.2 67.8



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: 133.40 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

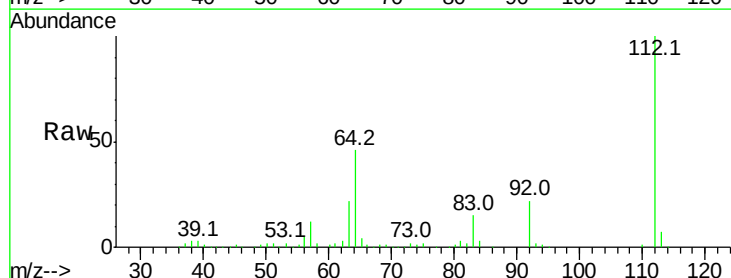
Tgt Ion:112 Resp: 151889

Ion Ratio Lower Upper

112 100

64 46.2 39.3 58.9

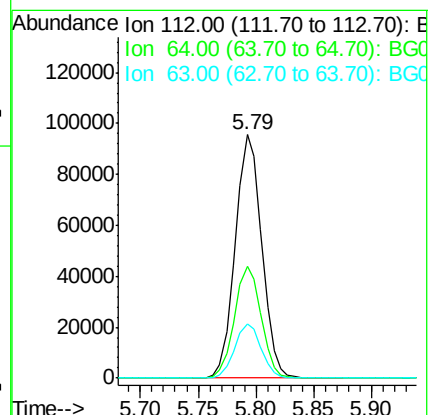
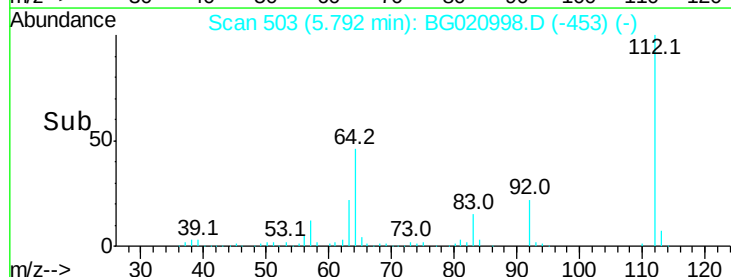
63 22.2 18.2 27.4

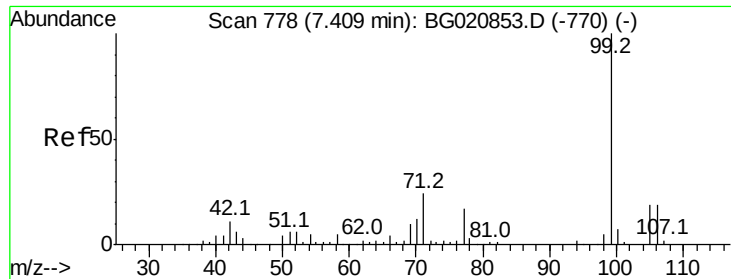


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 141.31 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Instrument :

BNA_G

ClientSampleId :

40052+15(0-2)

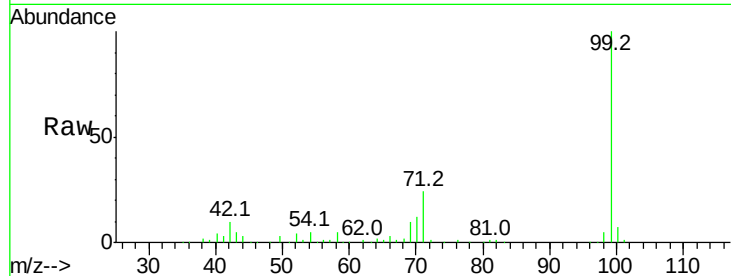
Tot Ion: 99 Resp: 235165

Ion Ratio Lower Upper

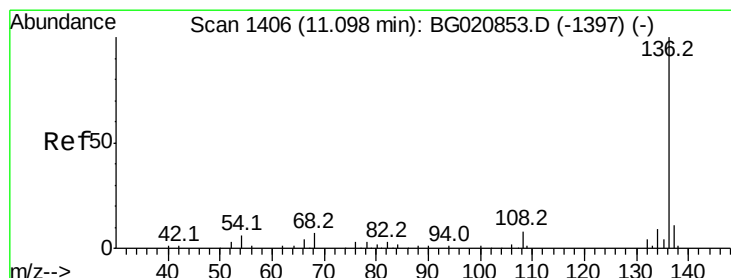
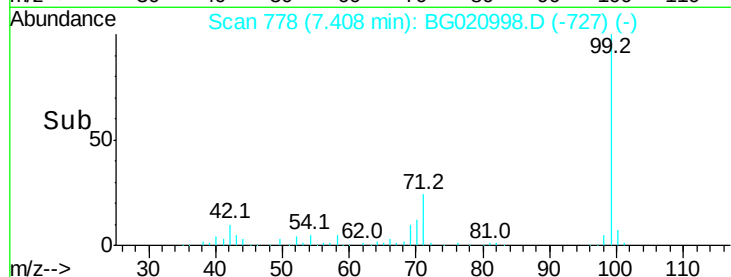
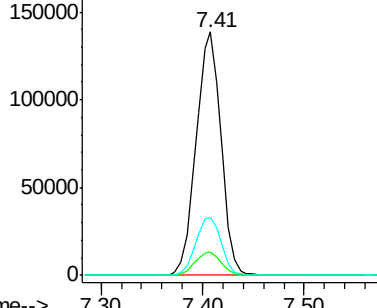
99 100

42 9.8 8.4 12.6

71 23.9 19.4 29.0



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: 11.09 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Tgt Ion: 136 Resp: 97907

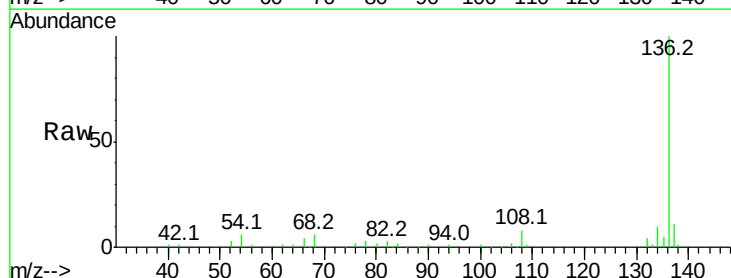
Ion Ratio Lower Upper

136 100

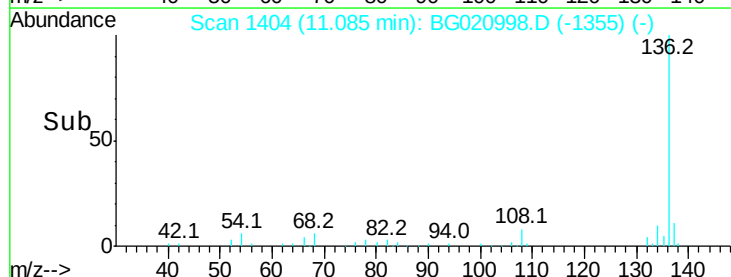
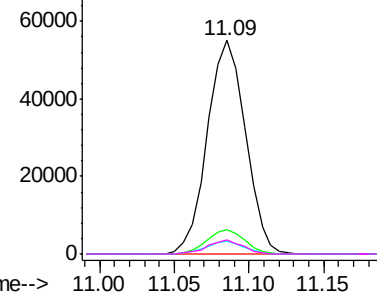
137 11.4 8.8 13.2

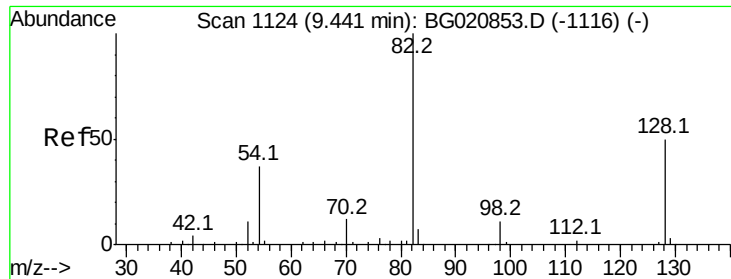
54 6.0 5.0 7.4

68 6.4 5.2 7.8



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

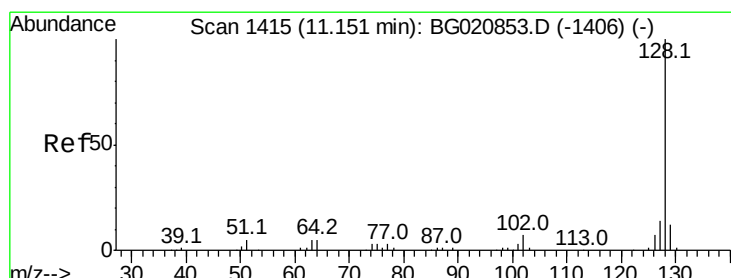
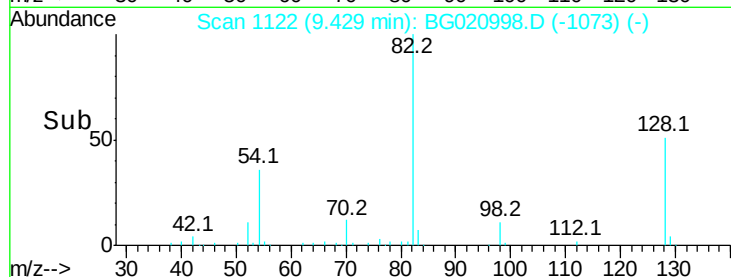
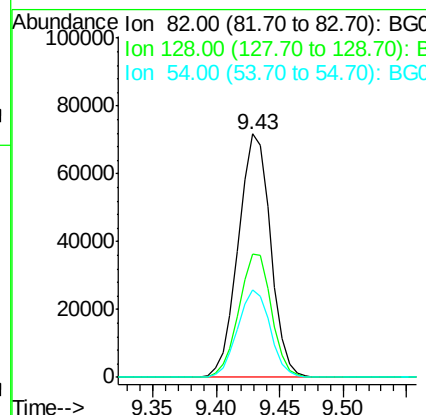
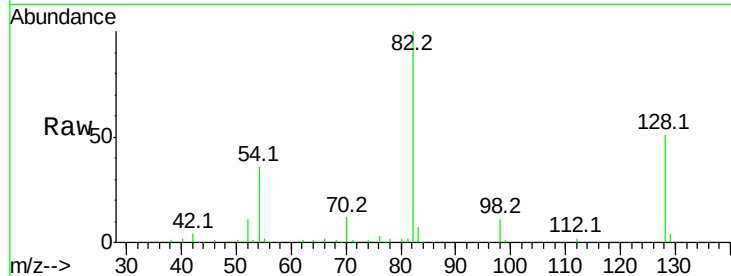




#23
 Nitrobenzene-d5
 Concen: 85.04 ng
 RT: 9.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BG020998.D
 Acq: 20 Feb 2016 8:03

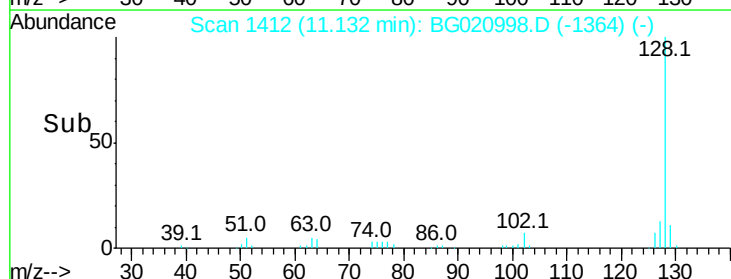
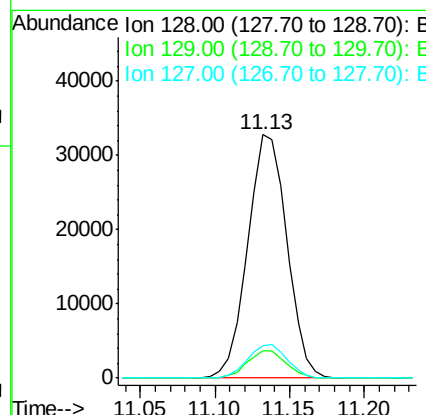
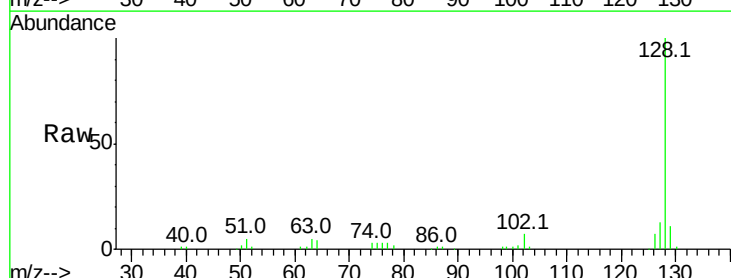
Instrument :
 BNA_G
 ClientSampleId :
 40052+15(0-2)

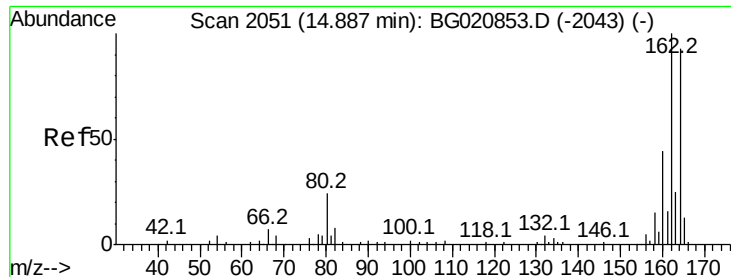
Tot Ion	82	Resp	126631
Ion Ratio	100	Lower	Upper
128	50.7	40.1	60.1
54	36.1	29.5	44.3



#31
 Naphthalene
 Concen: 11.71 ng
 RT: 11.13 min Scan# 1412
 Delta R.T. -0.02 min
 Lab File: BG020998.D
 Acq: 20 Feb 2016 8:03

Tgt Ion	128	Resp	59308
Ion Ratio	100	Lower	Upper
129	11.1	9.3	13.9
127	13.4	11.4	17.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.87 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Instrument :

BNA_G

ClientSampleId :

40052+15(0-2)

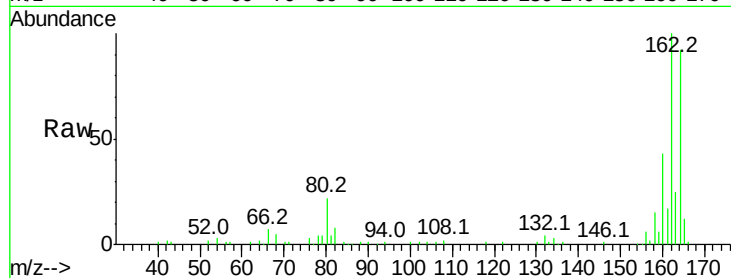
Tot Ion:164 Resp: 65609

Ion Ratio Lower Upper

164 100

162 108.2 85.7 128.5

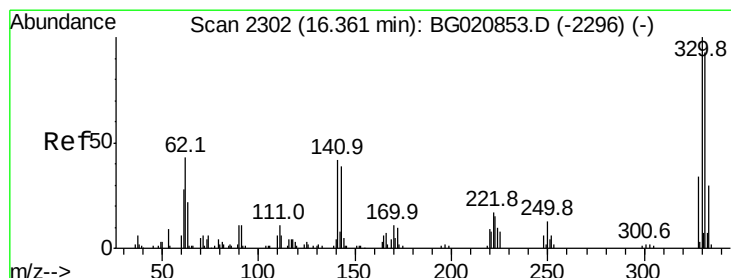
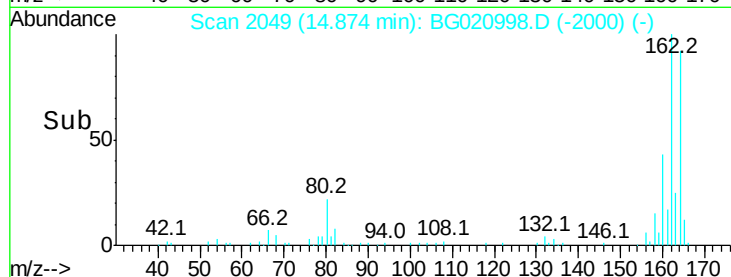
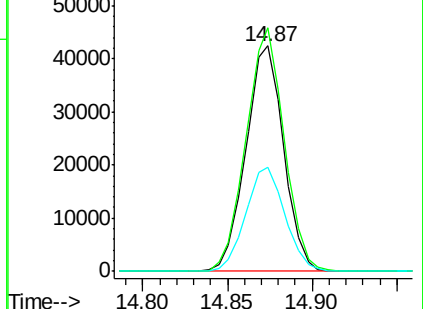
160 46.5 37.4 56.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 141.33 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

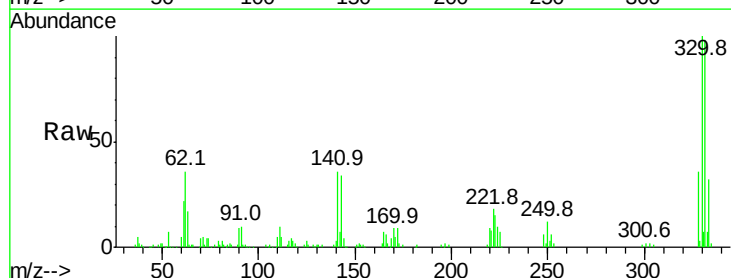
Tgt Ion:330 Resp: 91188

Ion Ratio Lower Upper

330 100

332 97.2 76.1 114.1

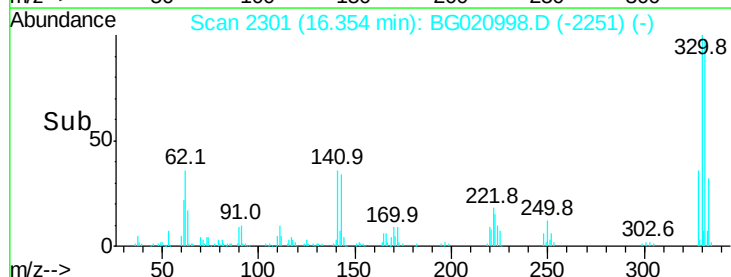
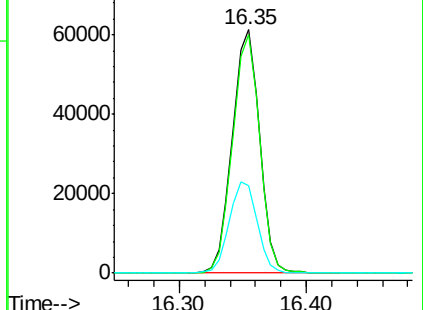
141 38.2 32.0 48.0

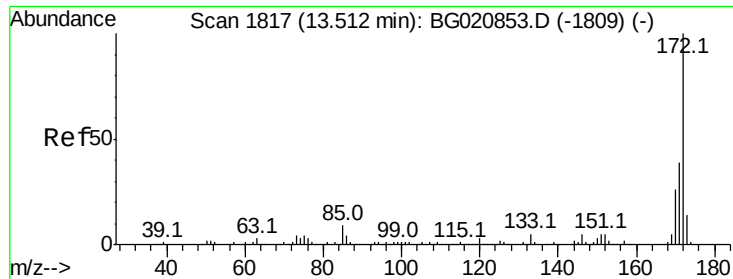


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

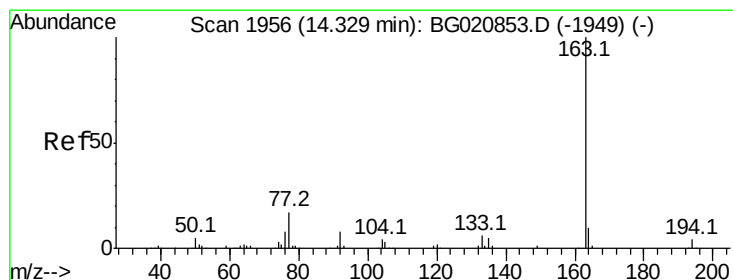
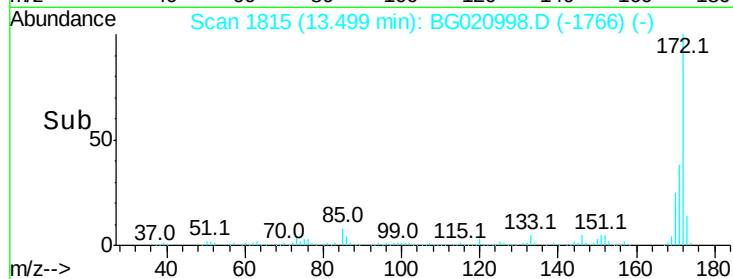
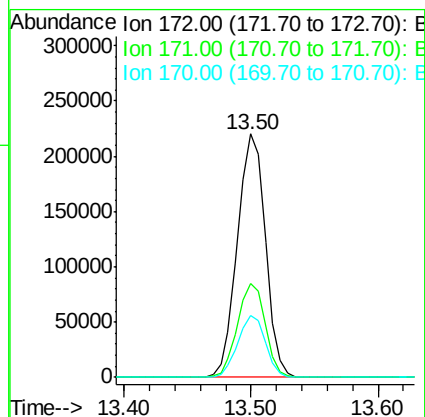
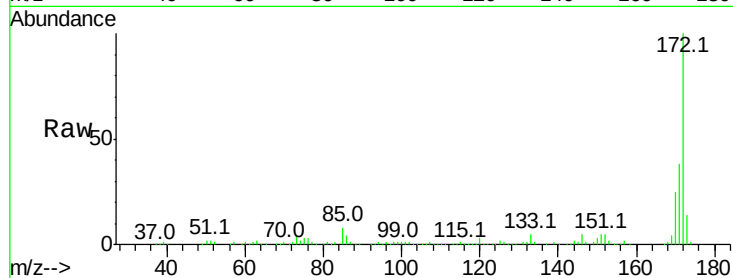




#44
 2-Fluorobiphenyl
 Concen: 71.83 ng
 RT: 13.50 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BG020998.D
 Acq: 20 Feb 2016 8:03

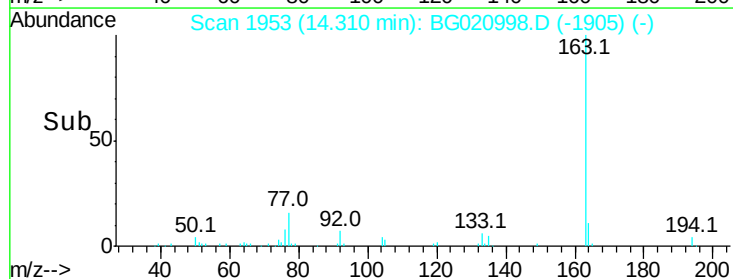
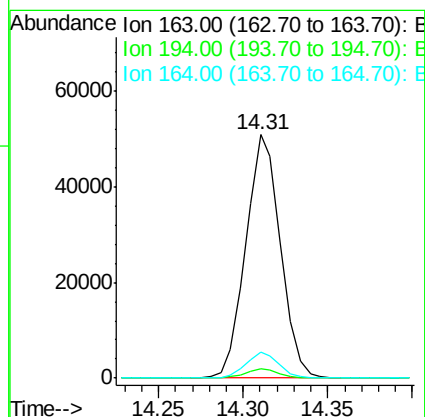
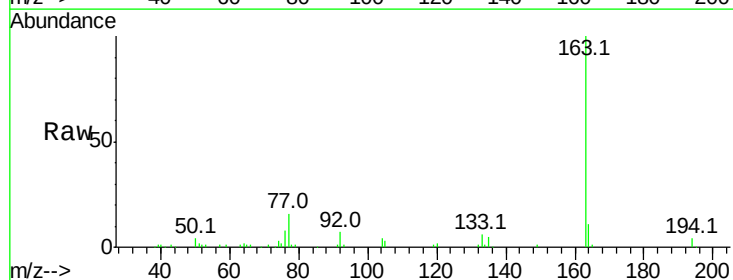
Instrument :
 BNA_G
 ClientSampleId :
 40052+15(0-2)

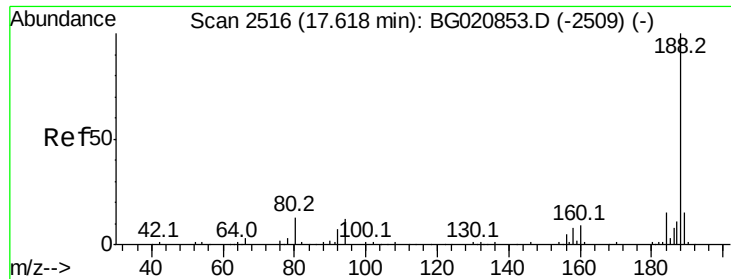
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	31.2	46.8
170	25.3	20.6	30.8



#49
 Dimethylphthalate
 Concen: 14.10 ng
 RT: 14.31 min Scan# 1953
 Delta R.T. -0.02 min
 Lab File: BG020998.D
 Acq: 20 Feb 2016 8:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.5	8.3	12.5

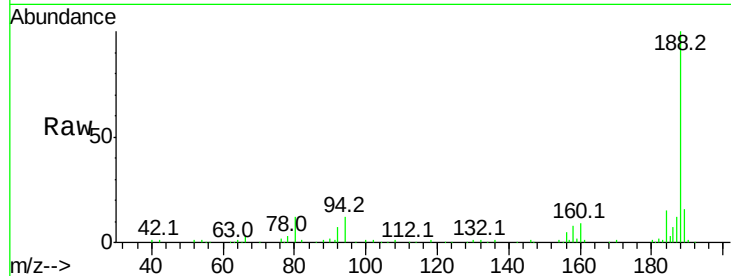




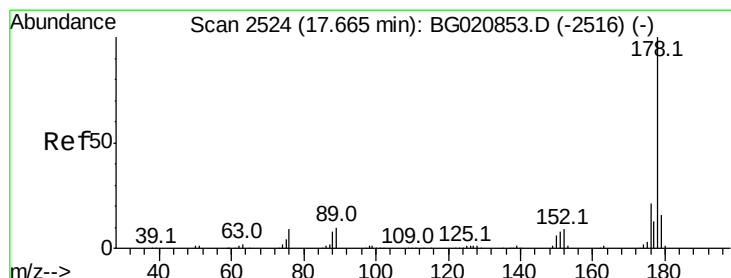
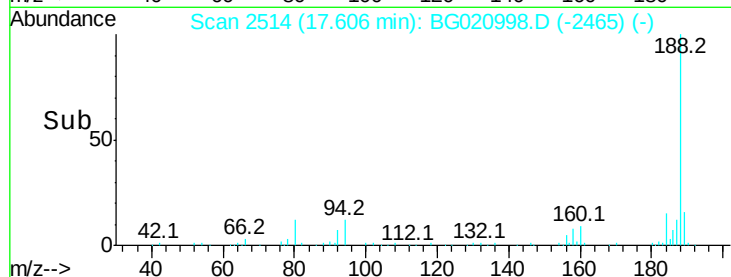
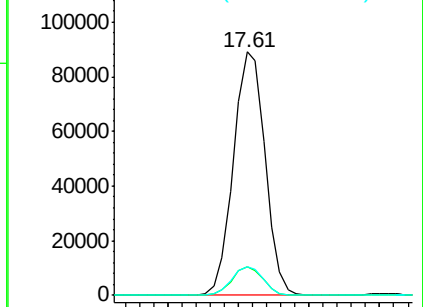
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Instrument :
BNA_G
ClientSampleId :
40052+15(0-2)

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.0
80	11.9	10.2	15.4

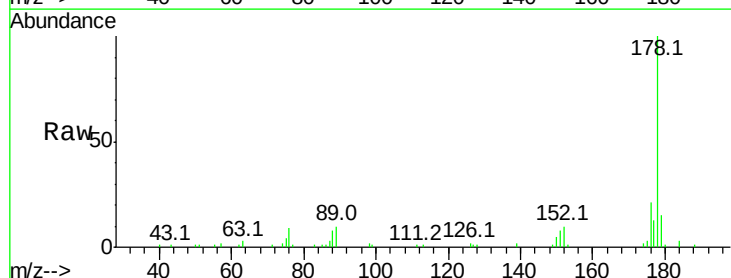


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

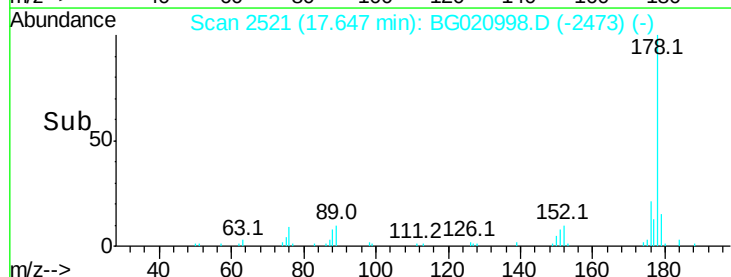
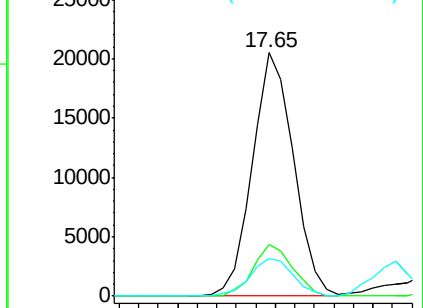


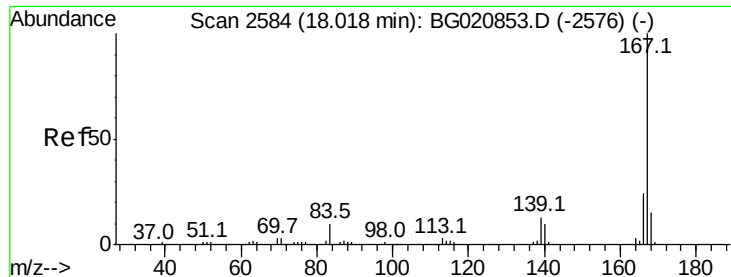
#70
Phenanthrene
Concen: 3.77 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG020998.D
Acq: 20 Feb 2016 8:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	16.8	25.2
179	15.3	12.6	19.0



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





#72

Carbazole

Concen: 6.27 ng

RT: 18.01 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Instrument :

BNA_G

ClientSampleId :

40052+15(0-2)

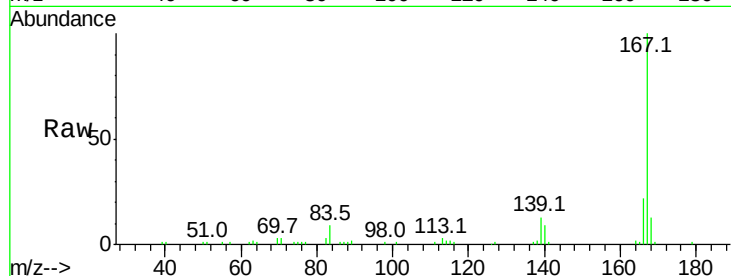
Tot Ion:167 Resp: 45320

Ion Ratio Lower Upper

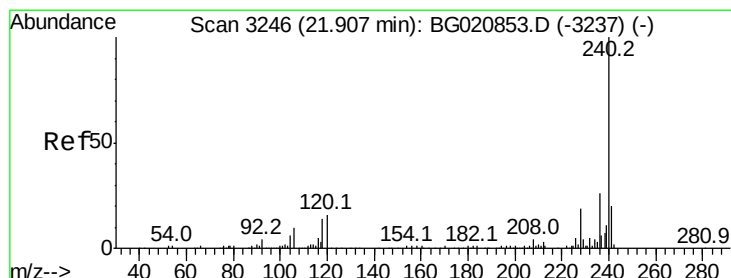
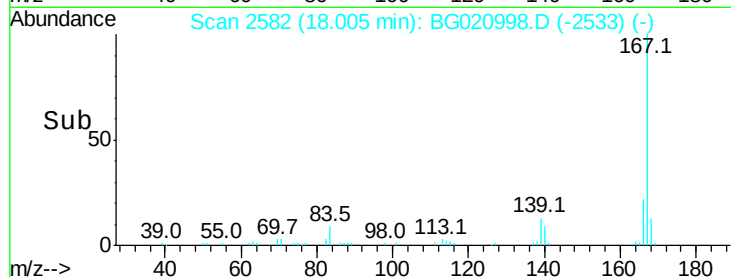
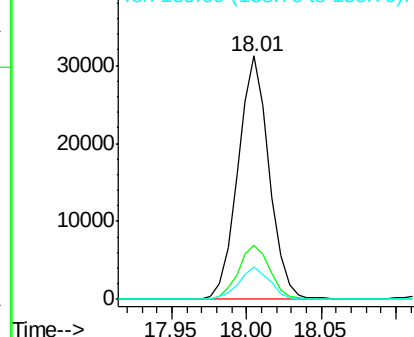
167 100

166 22.4 19.3 28.9

139 13.3 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

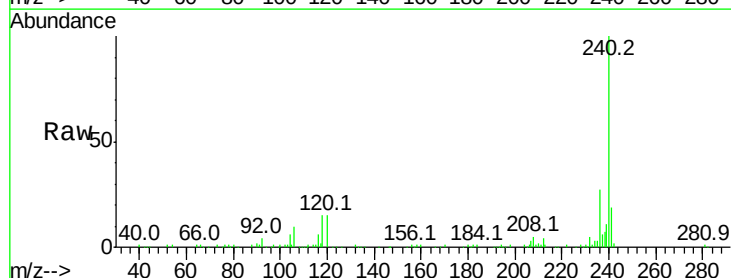
Tgt Ion:240 Resp: 133251

Ion Ratio Lower Upper

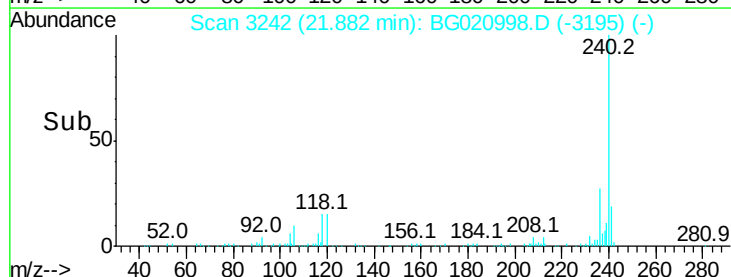
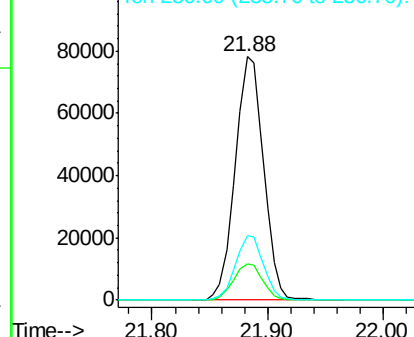
240 100

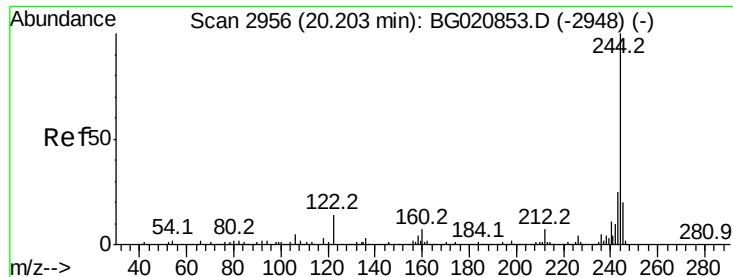
120 14.8 13.0 19.4

236 26.7 21.0 31.4



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





#78

Terphenyl-d14

Concen: 72.20 ng

RT: 20.18 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

Instrument :

BNA_G

ClientSampleId :

40052+15(0-2)

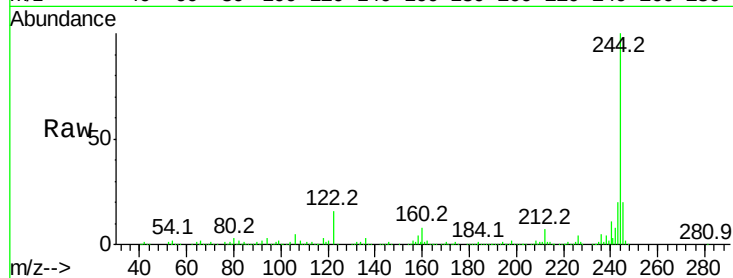
Tot Ion:244 Resp: 412418

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

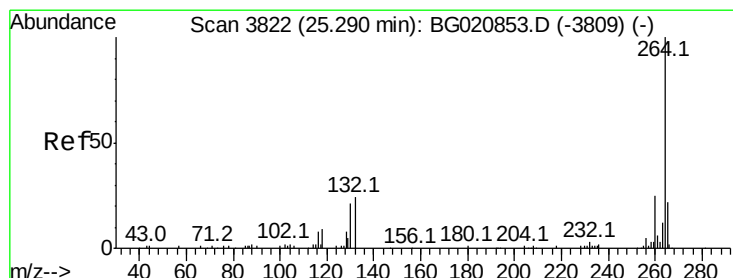
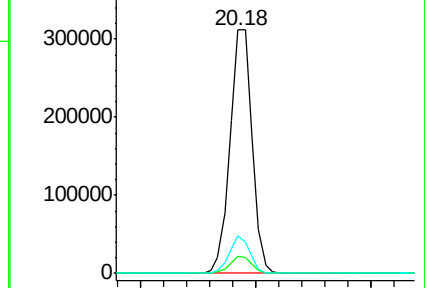
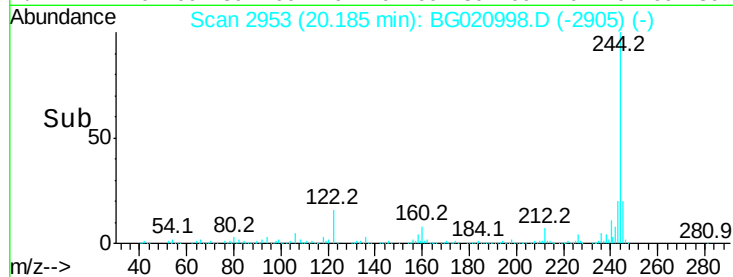
122 15.6 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3816

Delta R.T. -0.04 min

Lab File: BG020998.D

Acq: 20 Feb 2016 8:03

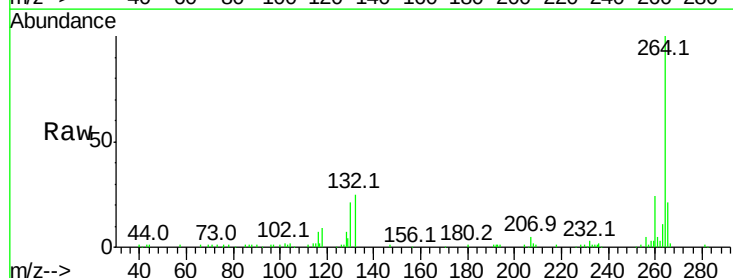
Tgt Ion:264 Resp: 125641

Ion Ratio Lower Upper

264 100

260 23.9 19.9 29.9

265 21.1 18.0 27.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

