

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
 Data File : BG020015.D
 Acq On : 8 Dec 2015 13:08
 Operator : UM/SJ
 Sample : G4684-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-2

Quant Time: Dec 09 07:17:14 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

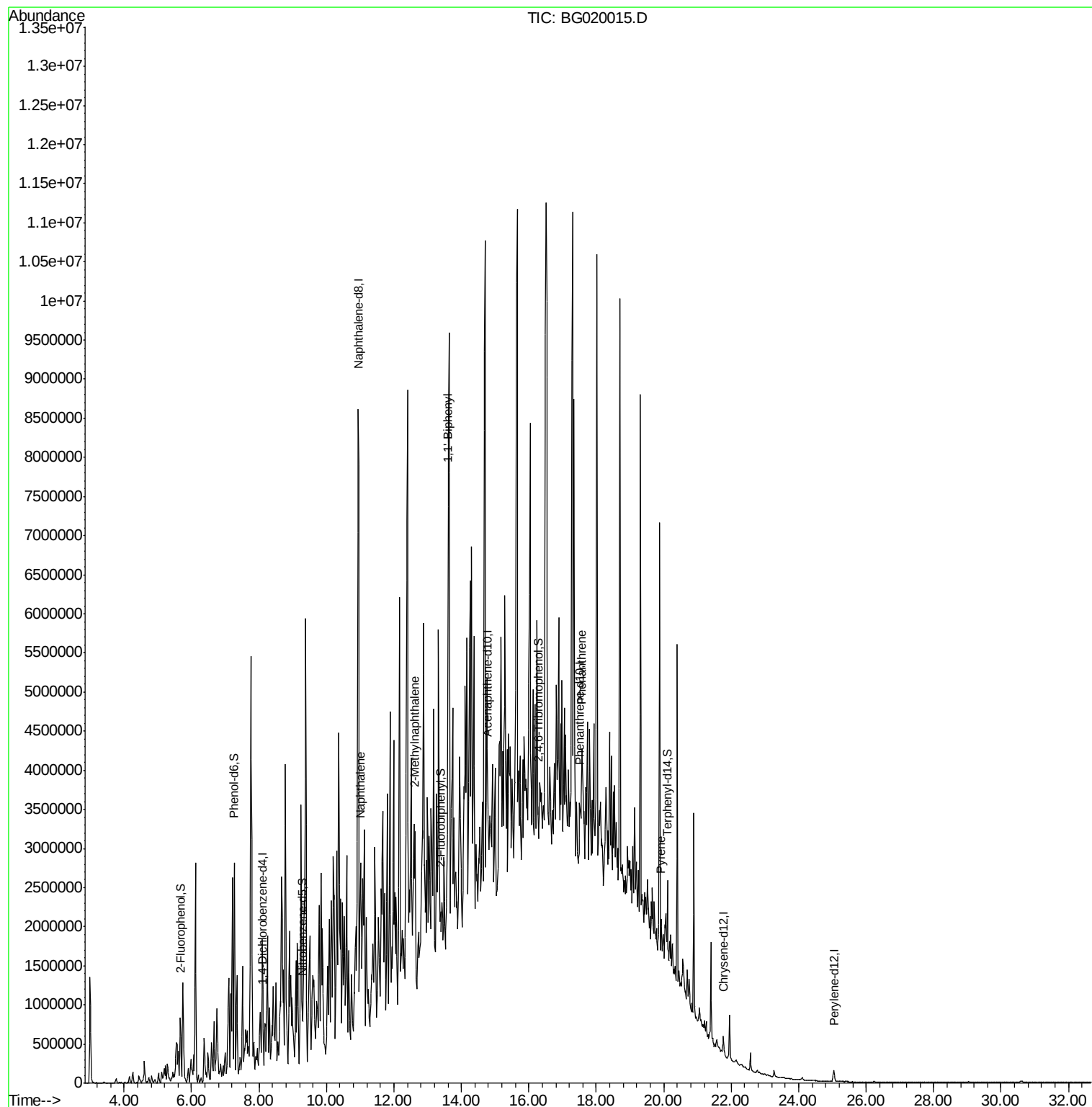
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	22433	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	84723	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	73375	20.00	ng	0.02
63) Phenanthrene-d10	17.52	188	115560	20.00	ng	0.01
75) Chrysene-d12	21.77	240	140749	20.00	ng	-0.02
86) Perylene-d12	25.04	264	147851	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	140794	113.43	ng	0.00
7) Phenol-d6	7.27	99	189631	101.19	ng	0.00
23) Nitrobenzene-d5	9.29	82	204413	123.13	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	92964	82.80	ng	0.02
44) 2-Fluorobiphenyl	13.40	172	260048	48.39	ng	0.00
78) Terphenyl-d14	20.10	244	362790	62.87	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	554271	122.12	ng	# 82
37) 2-Methylnaphthalene	12.63	142	941279	282.99	ng	# 94
45) 1,1'-Biphenyl	13.61	154	244137	40.54	ng	99
70) Phenanthrene	17.57	178	172456	26.38	ng	# 90
77) Pyrene	19.92	202	133023	16.06	ng	# 88

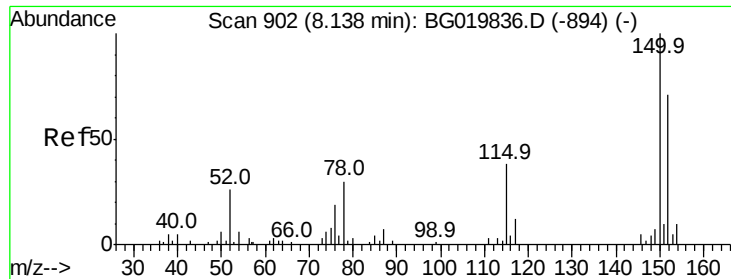
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 900

Delta R.T. -0.01 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Instrument :

BNA_G

ClientSampleId :

UST-2

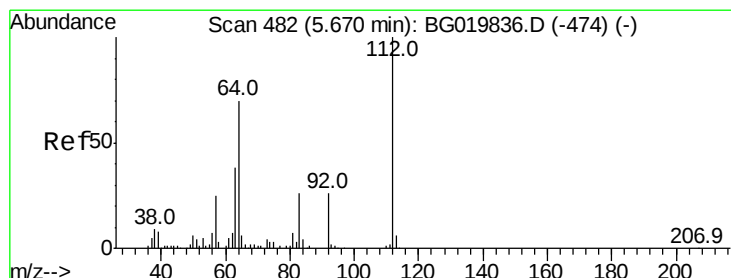
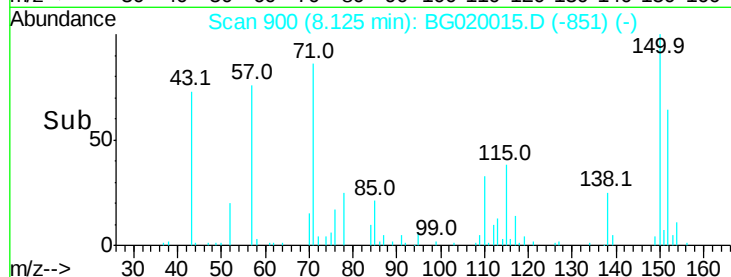
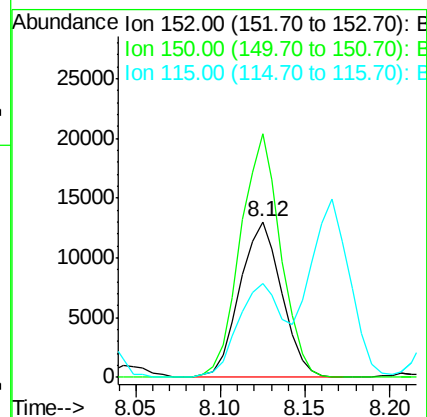
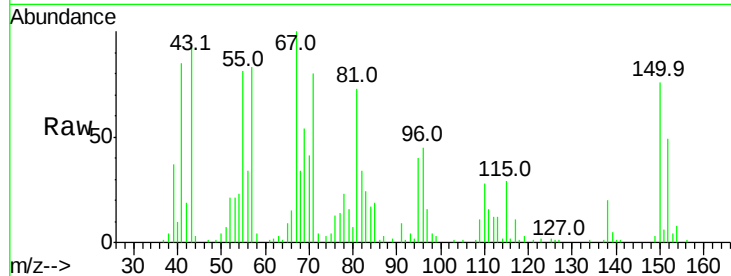
Tot Ion:152 Resp: 22433

Ion Ratio Lower Upper

152 100

150 156.7 115.0 172.4

115 60.0 43.9 65.9



#5

2-Fluorophenol

Concen: 113.43 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.01 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

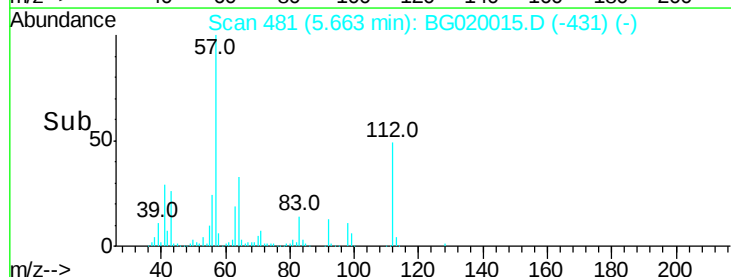
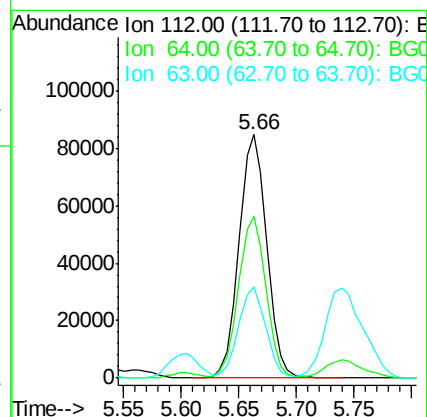
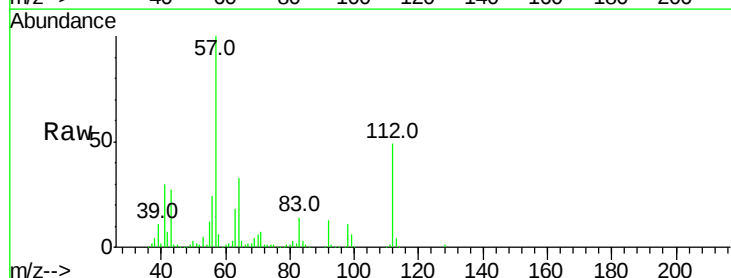
Tgt Ion:112 Resp: 140794

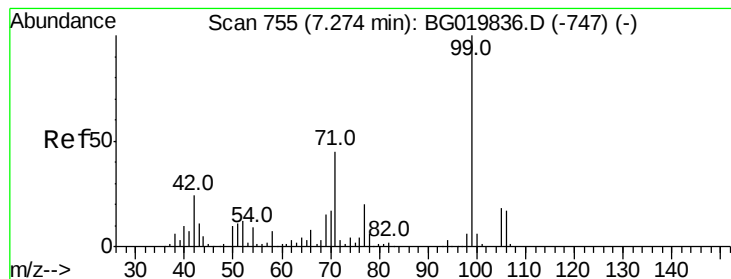
Ion Ratio Lower Upper

112 100

64 66.4 43.7 65.5#

63 37.6 24.0 36.0#





#7

Phenol-d6

Concen: 101.19 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.01 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Instrument :

BNA_G

ClientSampleId :

UST-2

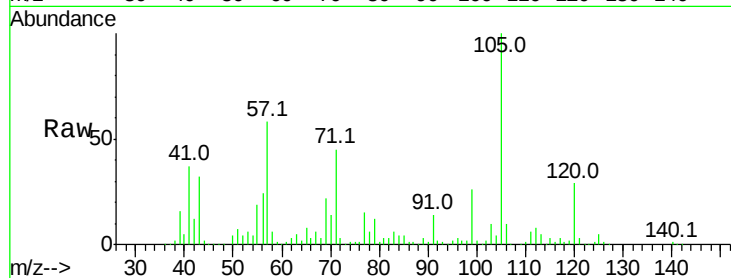
Tot Ion: 99 Resp: 189631

Ion Ratio Lower Upper

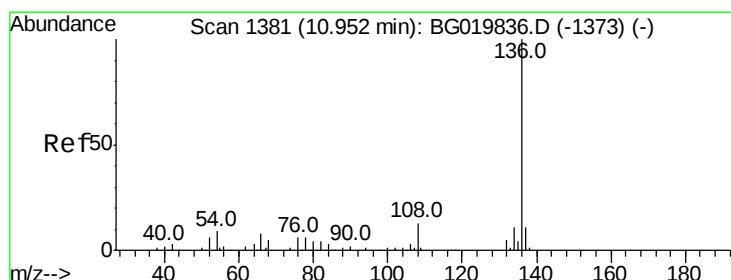
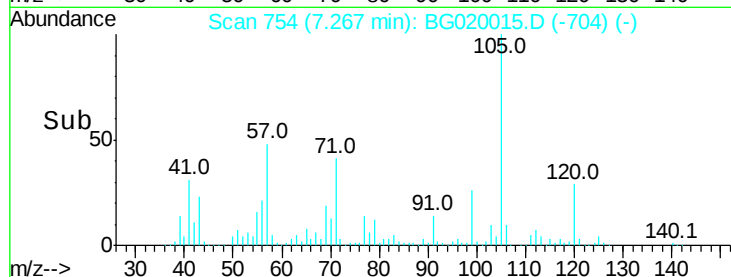
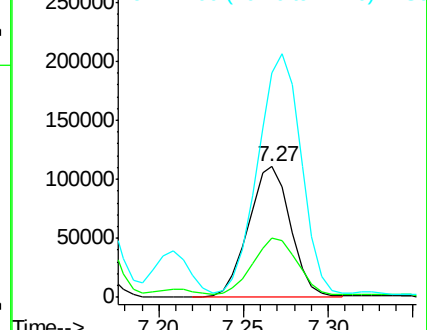
99 100

42 45.4 11.5 17.3#

71 171.6 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: 10.96 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Tgt Ion:136 Resp: 84723

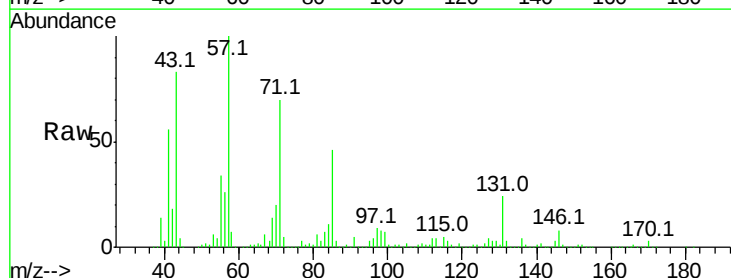
Ion Ratio Lower Upper

136 100

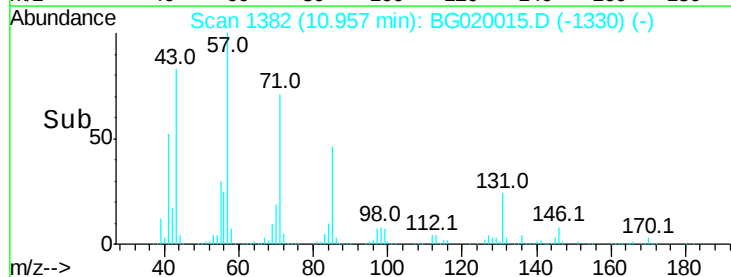
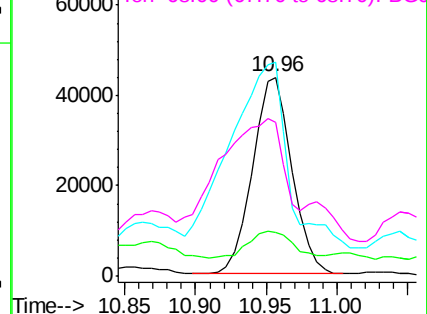
137 22.2 8.6 12.8#

54 107.4 5.4 8.2#

68 77.0 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

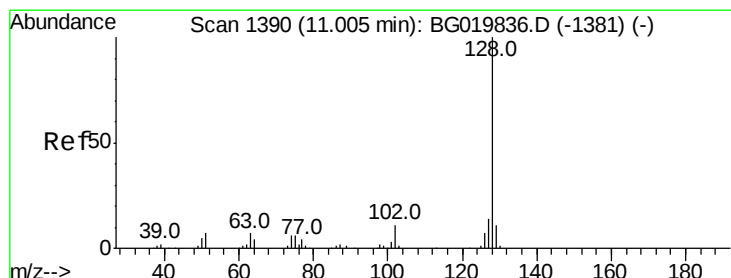
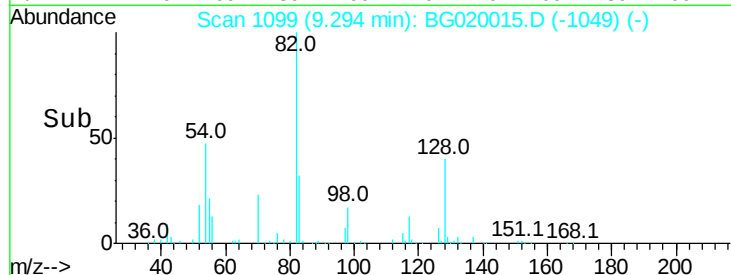
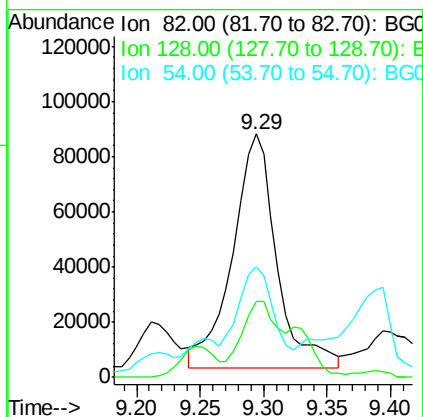
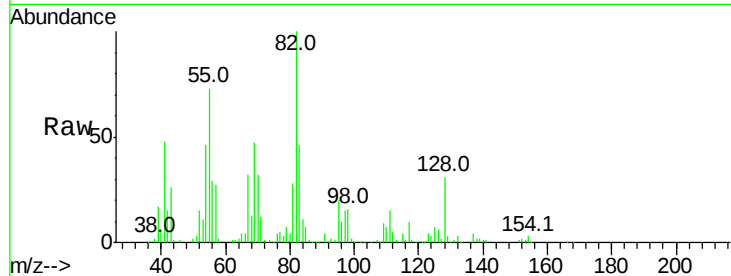




#23
Nitrobenzene-d5
Concen: 123.13 ng
RT: 9.29 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BG020015.D
Acq: 8 Dec 2015 13:08

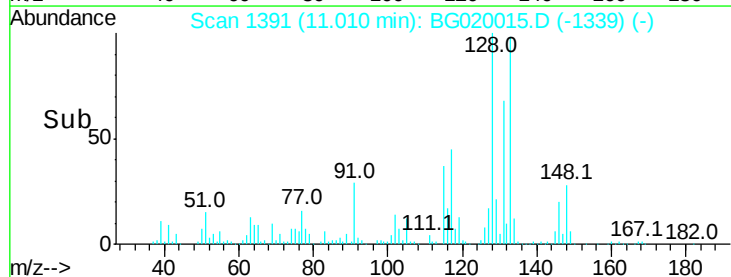
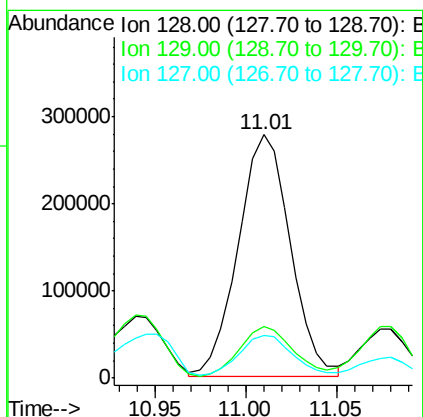
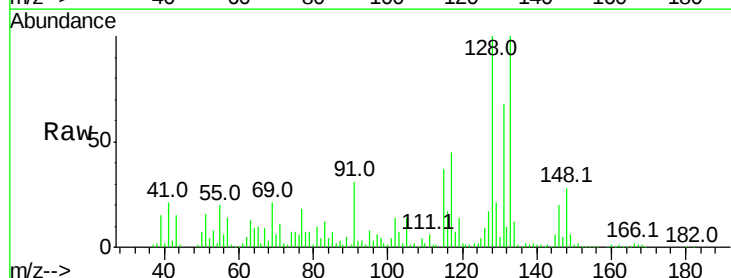
Instrument :
BNA_G
ClientSampleId :
UST-2

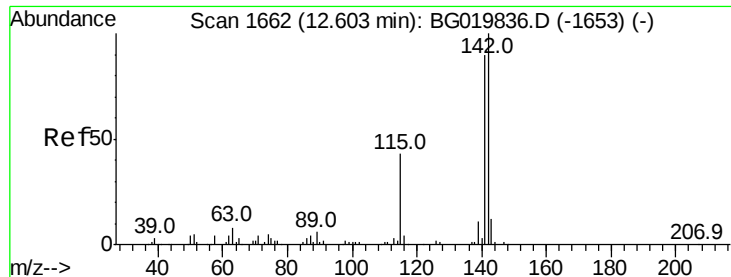
Tot Ion: 82 Resp: 204413
Ion Ratio Lower Upper
82 100
128 31.2 36.7 55.1#
54 45.5 33.8 50.8



#31
Naphthalene
Concen: 122.12 ng
RT: 11.01 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BG020015.D
Acq: 8 Dec 2015 13:08

Tgt Ion: 128 Resp: 554271
Ion Ratio Lower Upper
128 100
129 21.3 8.5 12.7#
127 17.5 10.6 16.0#

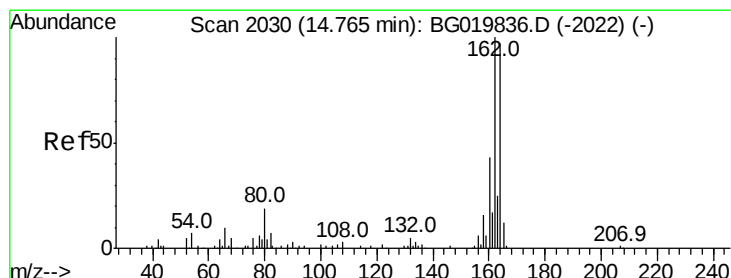
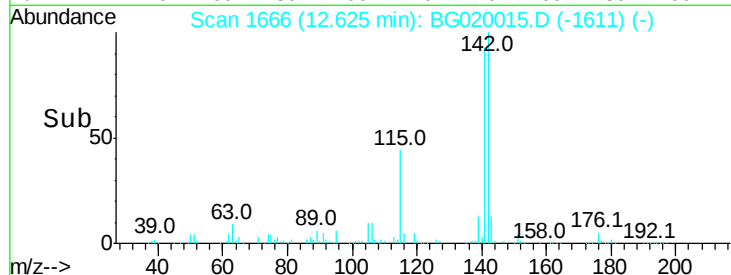
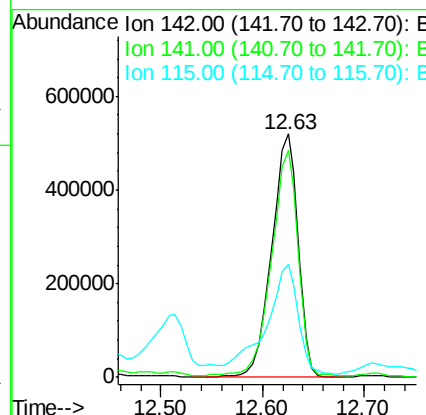
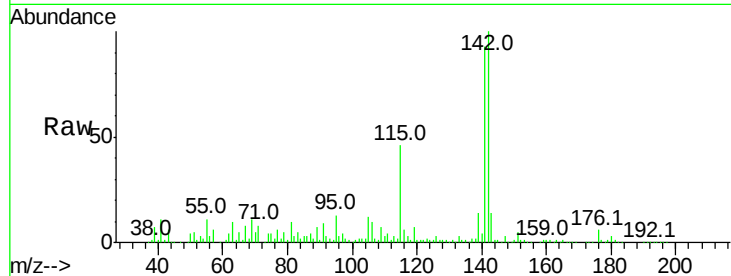




#37
2-Methylnaphthalene
Concen: 282.99 ng
RT: 12.63 min Scan# 1666
Delta R.T. 0.02 min
Lab File: BG020015.D
Acq: 8 Dec 2015 13:08

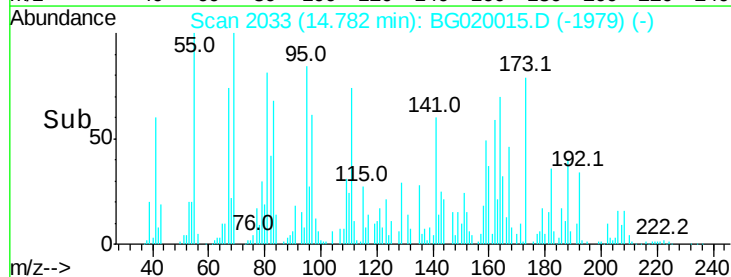
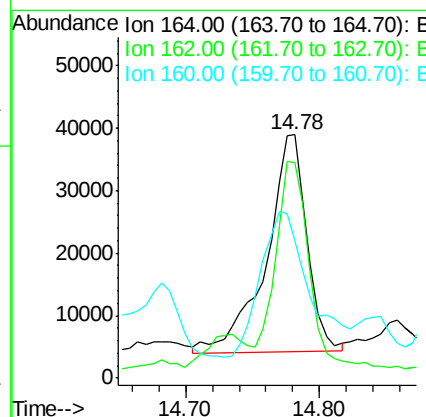
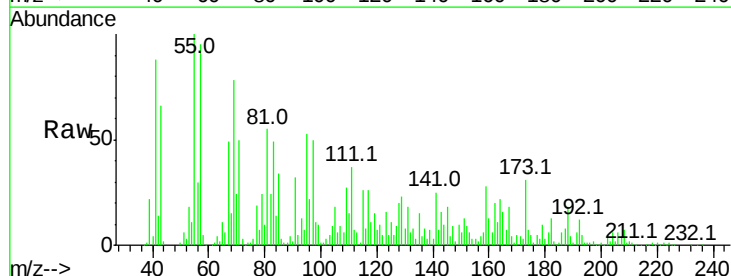
Instrument :
BNA_G
ClientSampleId :
UST-2

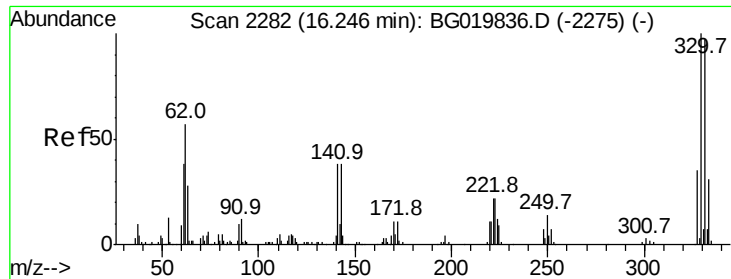
Tot Ion:142 Resp: 941279
Ion Ratio Lower Upper
142 100
141 93.3 74.6 112.0
115 46.2 27.4 41.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BG020015.D
Acq: 8 Dec 2015 13:08

Tgt Ion:164 Resp: 73375
Ion Ratio Lower Upper
164 100
162 88.7 78.8 118.2
160 56.6 36.4 54.6#

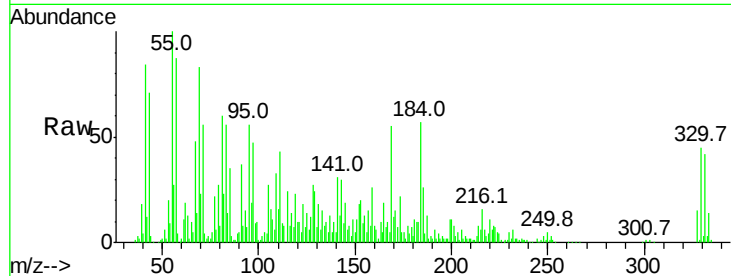




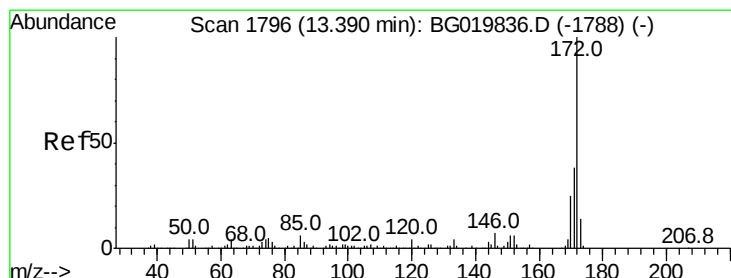
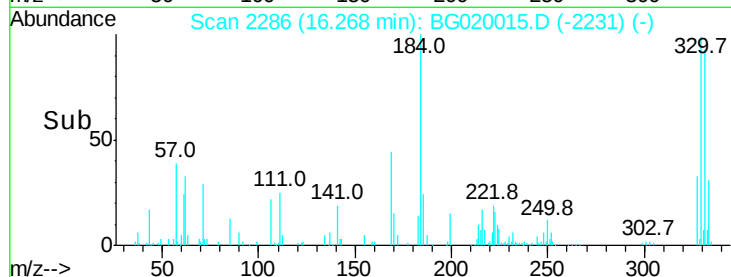
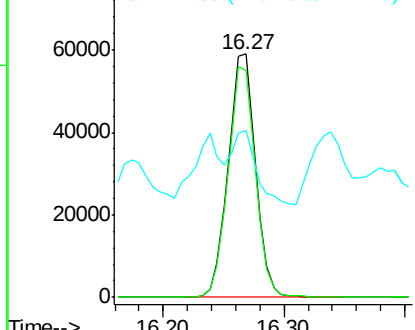
#41
 2,4,6-Tribromophenol
 Concen: 82.80 ng
 RT: 16.27 min Scan# 2286
 Delta R.T. 0.02 min
 Lab File: BG020015.D
 Acq: 8 Dec 2015 13:08

Instrument :
 BNA_G
 ClientSampleId :
 UST-2

Tot Ion:330 Resp: 92964
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.1 117.1
 141 27.2 28.2 42.2#

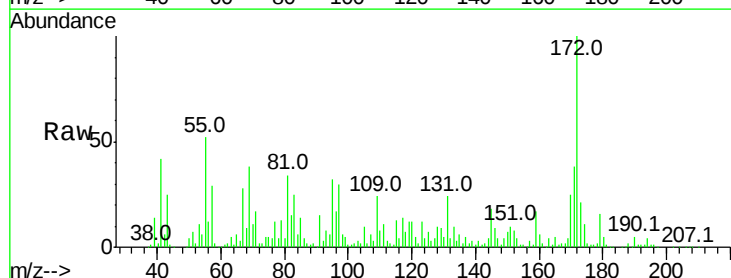


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

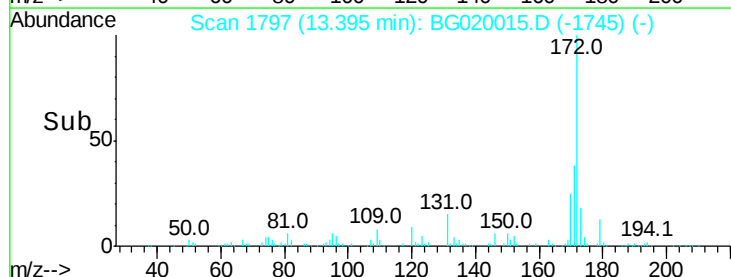
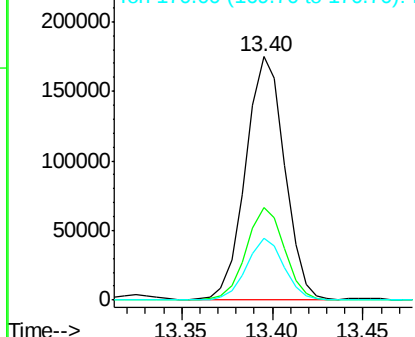


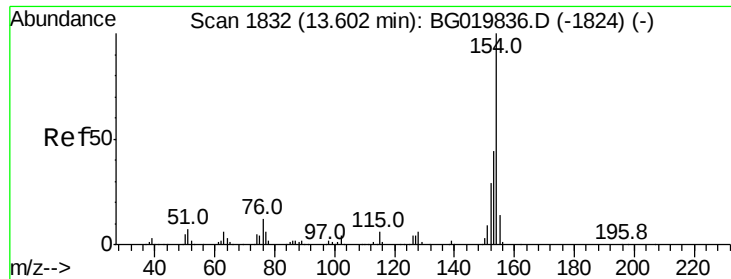
#44
 2-Fluorobiphenyl
 Concen: 48.39 ng
 RT: 13.40 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: BG020015.D
 Acq: 8 Dec 2015 13:08

Tgt Ion:172 Resp: 260048
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.0 43.6
 170 25.3 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





#45

1,1'-Biphenyl

Concen: 40.54 ng

RT: 13.61 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Instrument :

BNA_G

ClientSampleId :

UST-2

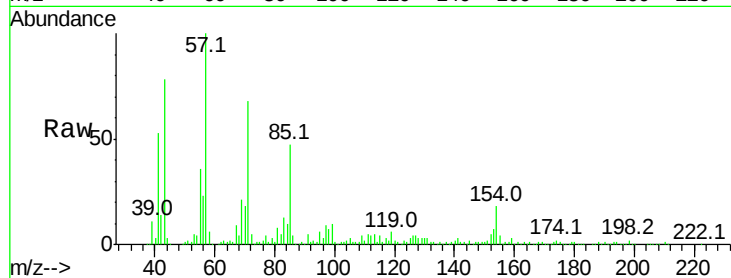
Tot Ion:154 Resp: 244137

Ion Ratio Lower Upper

154 100

153 42.1 21.9 61.9

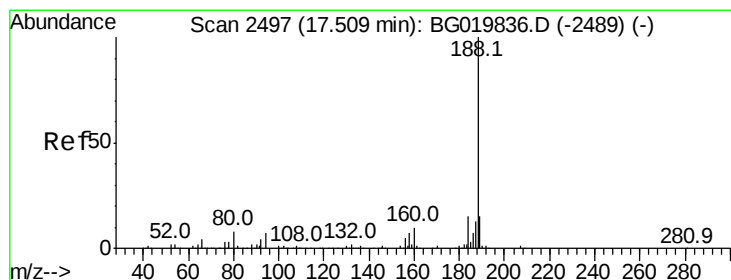
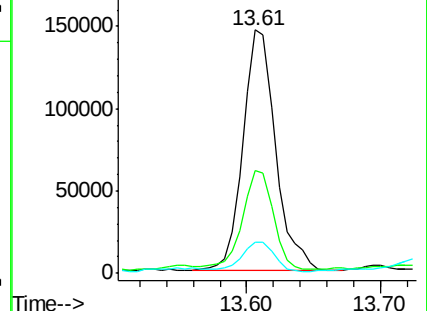
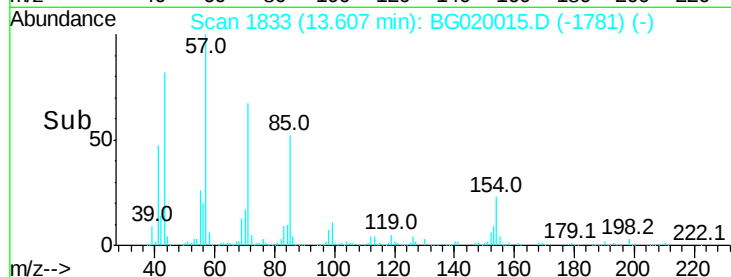
76 12.6 0.0 33.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

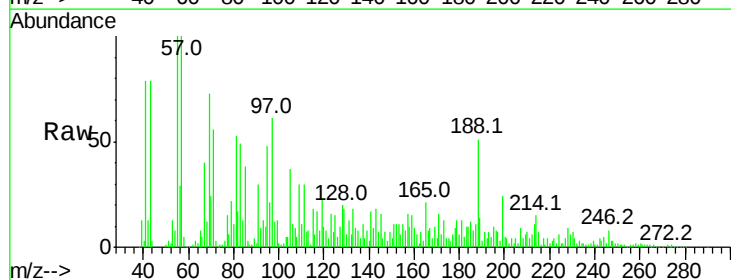
Tgt Ion:188 Resp: 115560

Ion Ratio Lower Upper

188 100

94 19.0 7.7 11.5#

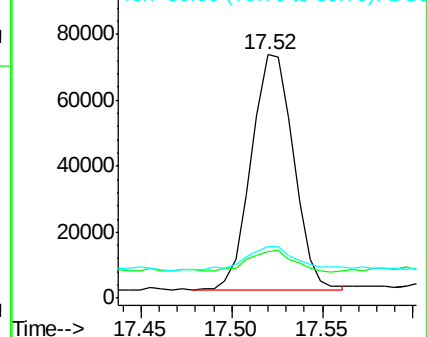
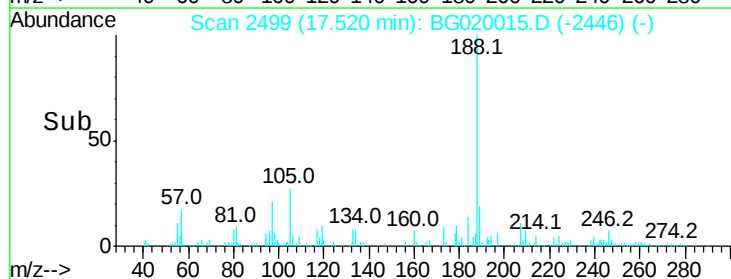
80 21.1 7.8 11.8#

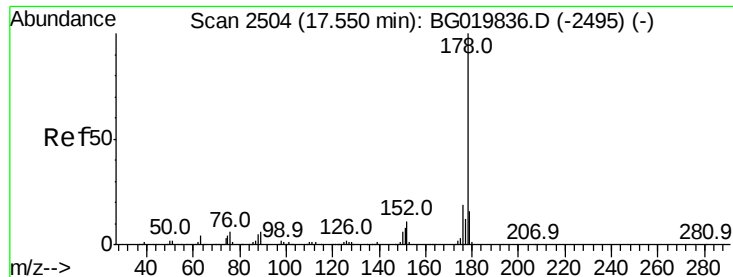


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 26.38 ng

RT: 17.57 min Scan# 2507

Delta R.T. 0.02 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Instrument :

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ClientSampleId :

UST-2

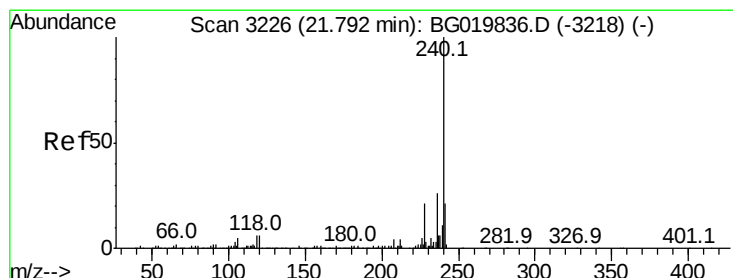
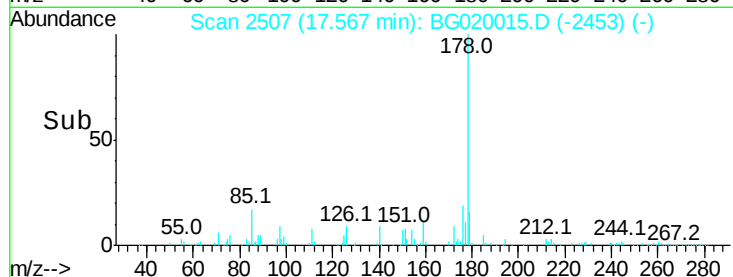
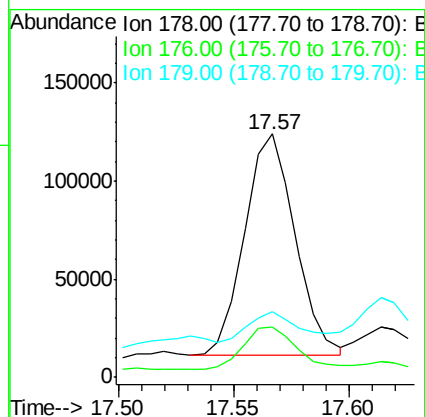
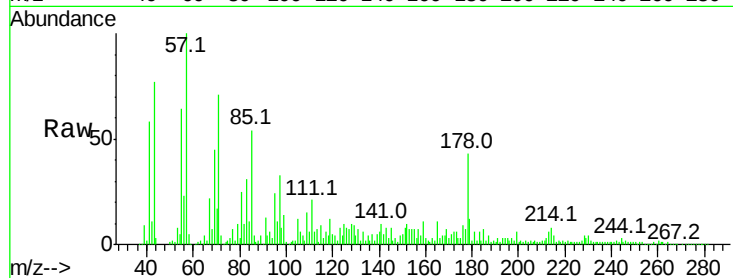
Tot Ion:178 Resp: 172456

Ion Ratio Lower Upper

178 100

176 20.9 16.7 25.1

179 26.9 13.9 20.9#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3222

Delta R.T. -0.02 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

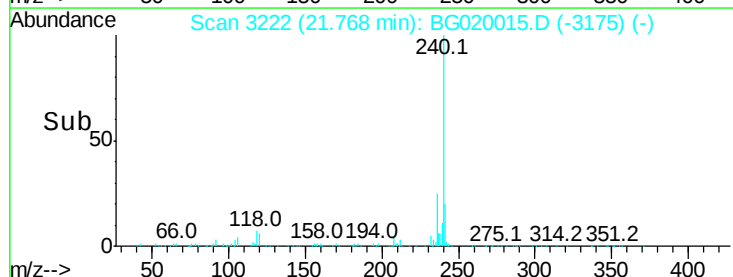
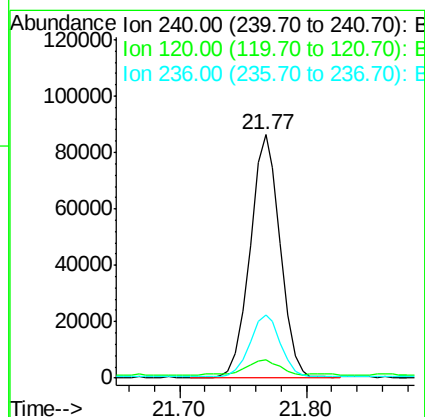
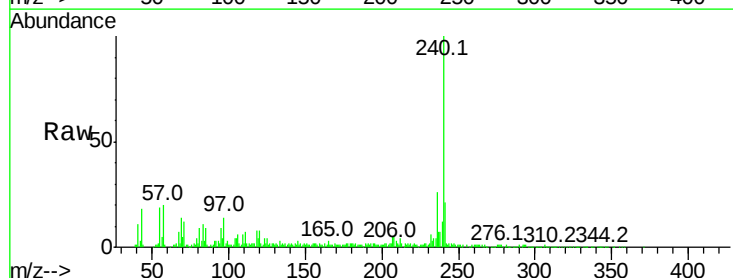
Tgt Ion:240 Resp: 140749

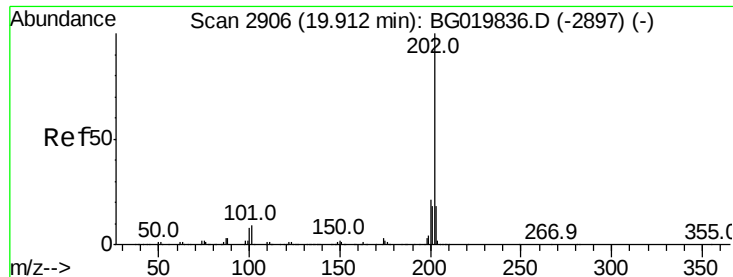
Ion Ratio Lower Upper

240 100

120 7.8 7.4 11.0

236 25.8 20.7 31.1





#77

Pvrene

Concen: 16.06 ng

RT: 19.92 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

Instrument :

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ClientSampleId :

UST-2

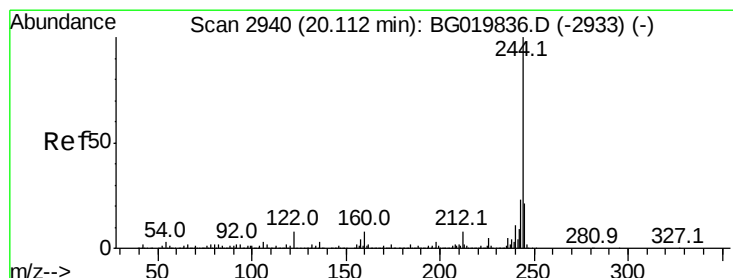
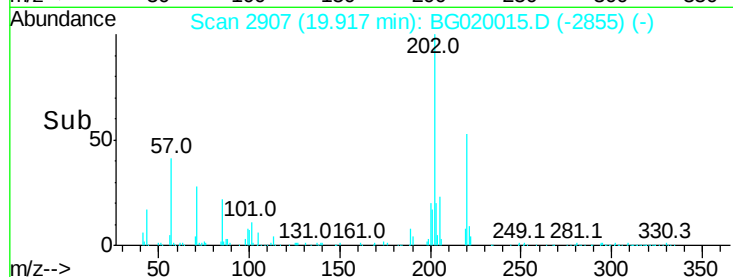
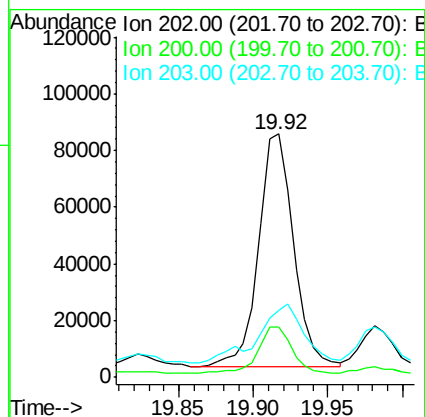
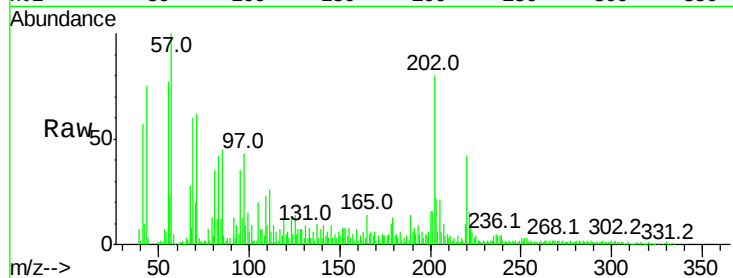
Tot Ion:202 Resp: 133023

Ion Ratio Lower Upper

202 100

200 20.5 19.4 29.0

203 27.6 15.5 23.3#



#78

Terphenyl-d14

Concen: 62.87 ng

RT: 20.10 min Scan# 2939

Delta R.T. -0.01 min

Lab File: BG020015.D

Acq: 8 Dec 2015 13:08

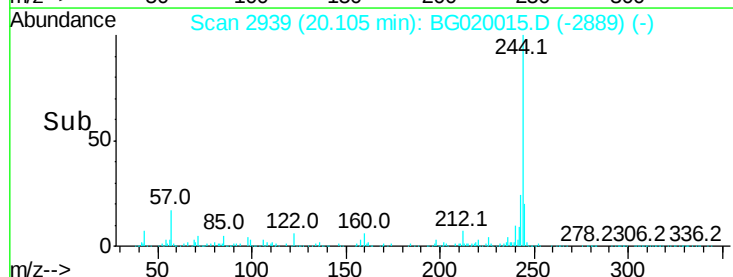
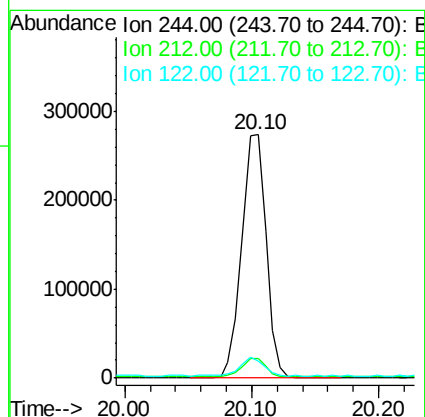
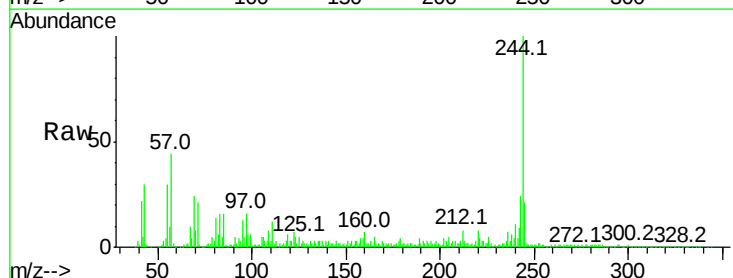
Tgt Ion:244 Resp: 362790

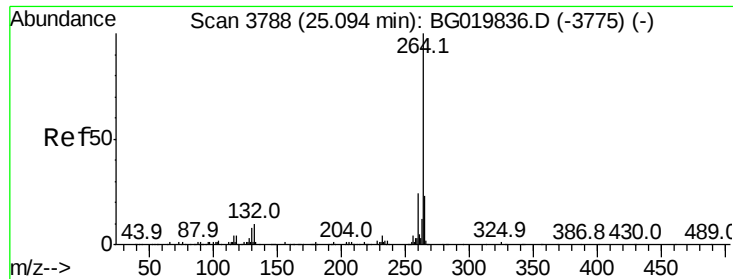
Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

122 7.2 10.2 15.2#

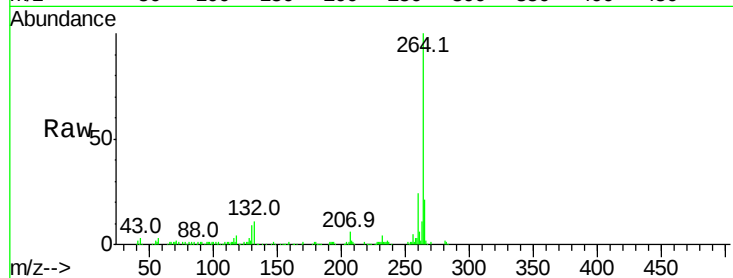




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3779
 Delta R.T. -0.05 min
 Lab File: BG020015.D
 Acq: 8 Dec 2015 13:08

Instrument :
 BNA_G
 ClientSampleId :
 UST-2

Tot Ion:	264	Resp:	147851
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	21.2	17.2	25.8



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

