

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082416\
 Data File : BG023885.D
 Acq On : 24 Aug 2016 15:35
 Operator : UM/SJ
 Sample : H4567-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Quant Time: Aug 24 17:38:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

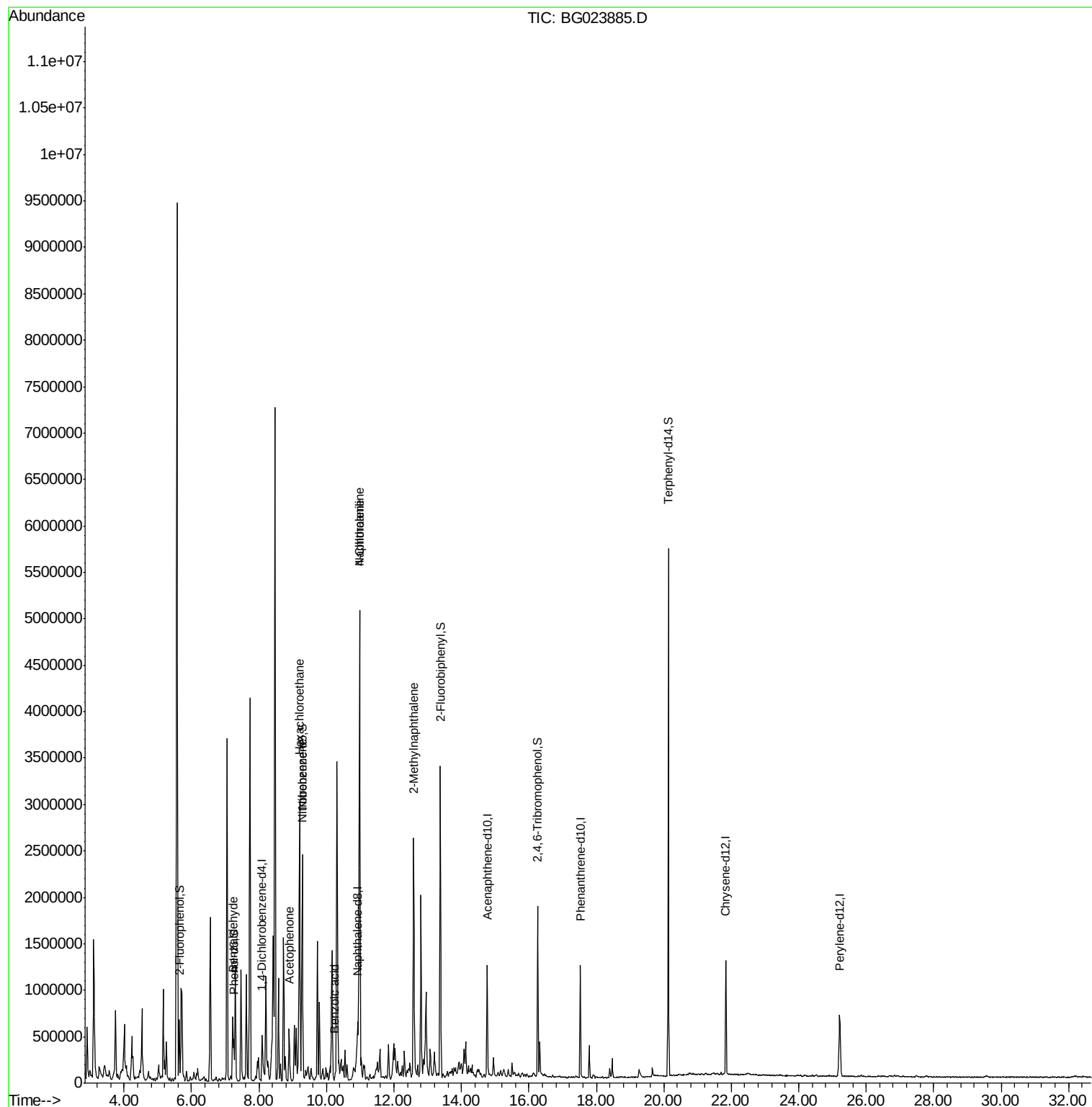
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	123420	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	506624	20.00	ng	-0.02
38) Acenaphthene-d10	14.76	164	317434	20.00	ng	-0.02
63) Phenanthrene-d10	17.53	188	709176	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	755861	20.00	ng	-0.02
86) Perylene-d12	25.22	264	740394	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	279804	38.16	ng	-0.02
7) Phenol-d6	7.25	99	268601	23.52	ng	-0.02
23) Nitrobenzene-d5	9.27	82	837187	82.15	ng	-0.02
41) 2,4,6-Tribromophenol	16.26	330	305247	65.74	ng	-0.02
44) 2-Fluorobiphenyl	13.38	172	1643040	87.30	ng	-0.02
78) Terphenyl-d14	20.13	244	2088407	86.89	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.22	77	62414	7.01	ng	# 1
18) Hexachloroethane	9.21	117	360373	96.98	ng	# 1
22) Acetophenone	8.90	105	418996	30.21	ng	# 54
24) Nitrobenzene	9.29	77	65092	5.77	ng	# 2
31) Naphthalene	10.98	128	3520742	136.47	ng	# 87
32) Benzoic acid	10.24	122	718	6.53	ng	# 1
33) 4-Chloroaniline	10.98	127	602716	48.87	ng	# 30
37) 2-Methylnaphthalene	12.59	142	1183960	60.36	ng	# 93
73) Di-n-butylphthalate	18.47	149	137426	Below Cal	#	93
74) Fluoranthene	19.59	202	908	Below Cal	#	50
77) Pyrene	19.95	202	1555	Below Cal	#	52

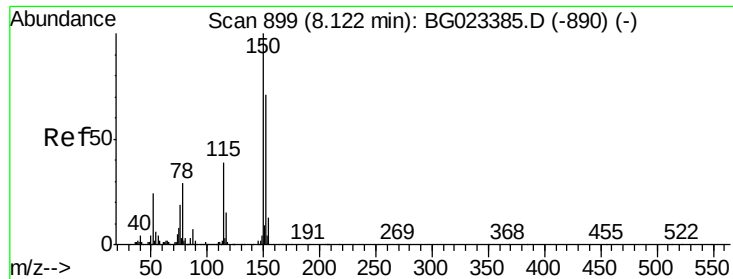
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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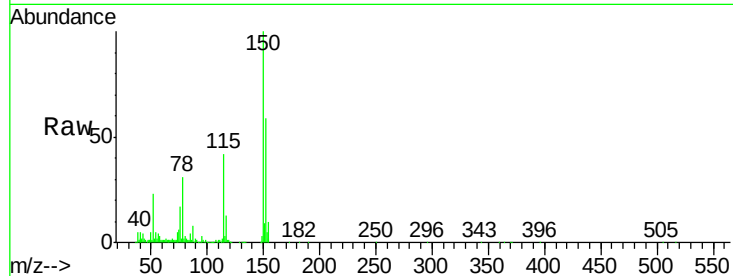


#1

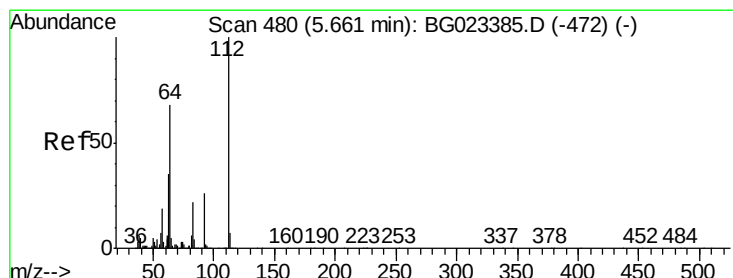
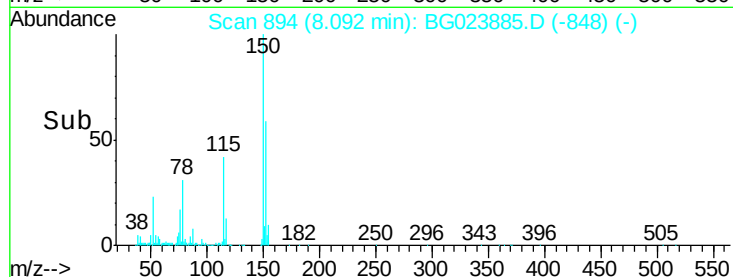
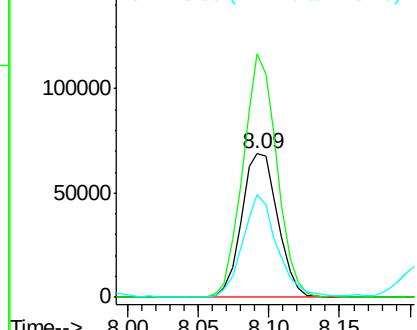
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.03 min
Lab File: BG023885.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_G
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	169.4	144.7	217.1
115	71.3	64.0	96.0



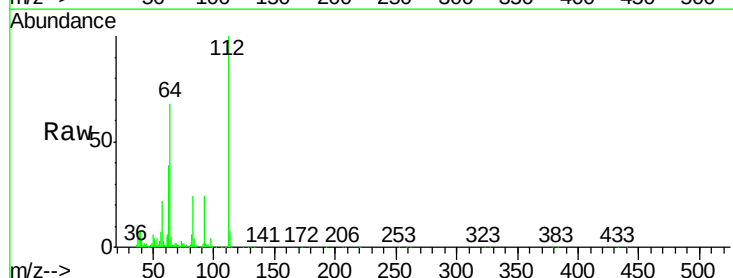
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



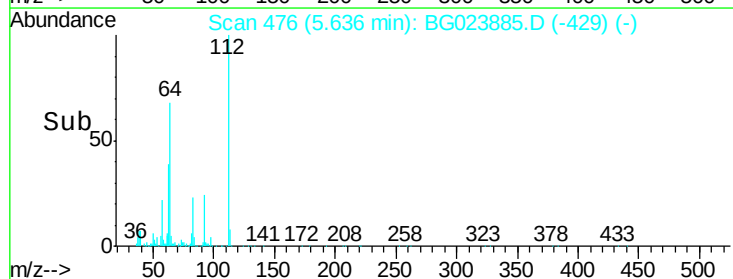
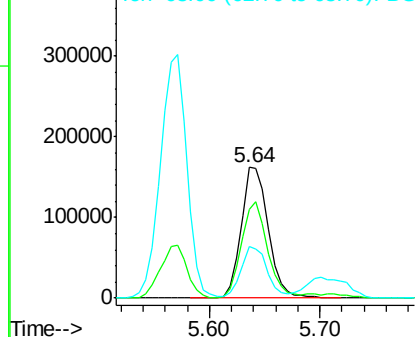
#5

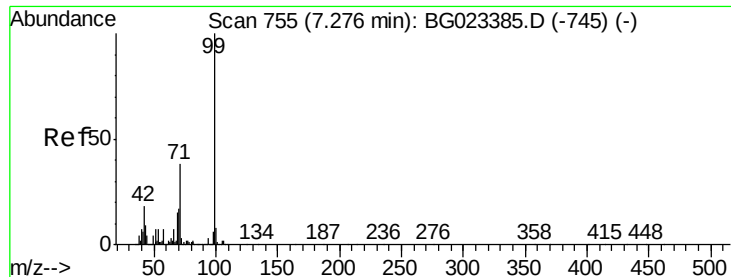
2-Fluorophenol
Concen: 38.16 ng
RT: 5.64 min Scan# 476
Delta R.T. -0.02 min
Lab File: BG023885.D
Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	59.0	88.4
63	39.0	37.8	56.8



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: 23.52 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

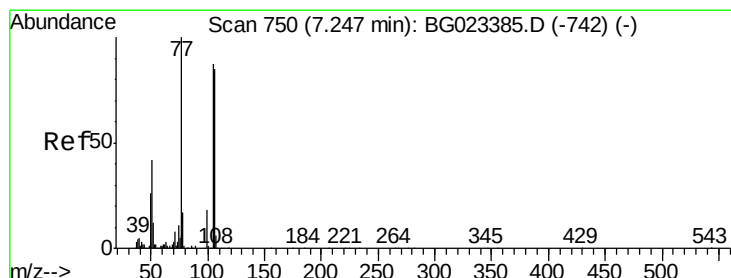
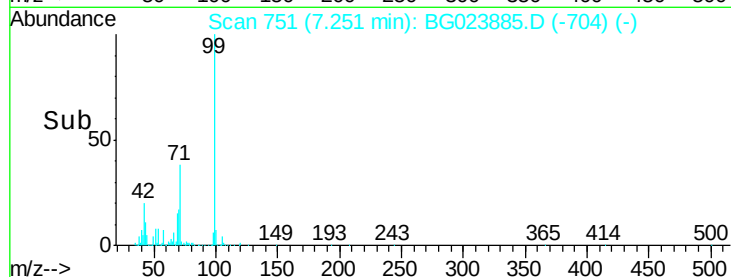
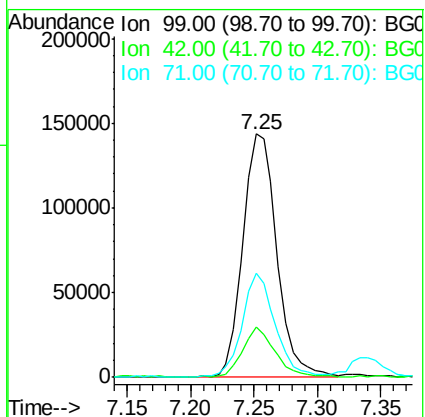
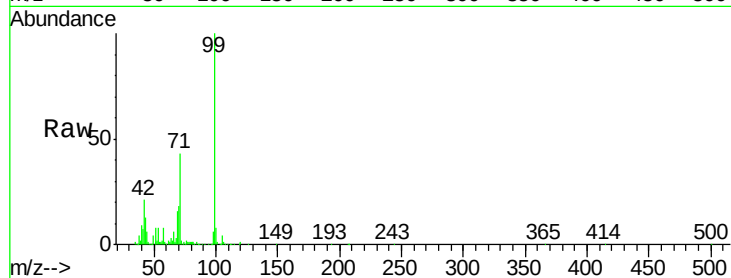
Tgt Ion: 99 Resp: 268601

Ion Ratio Lower Upper

99 100

42 20.8 17.8 26.6

71 42.5 41.5 62.3



#9

Benzaldehyde

Concen: 7.01 ng

RT: 7.22 min Scan# 746

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

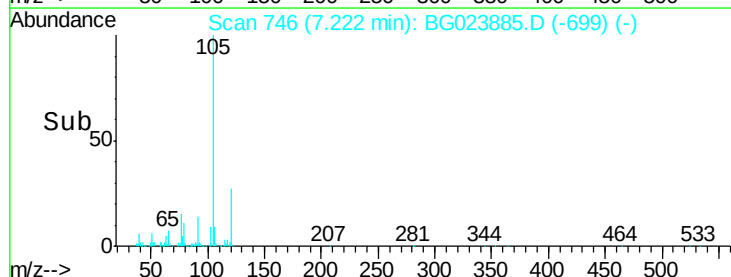
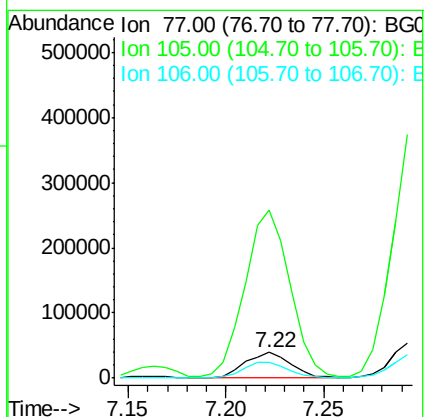
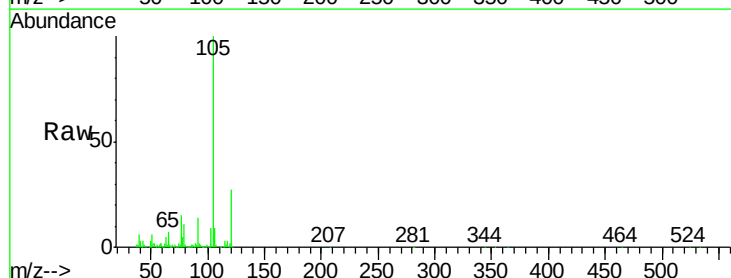
Tgt Ion: 77 Resp: 62414

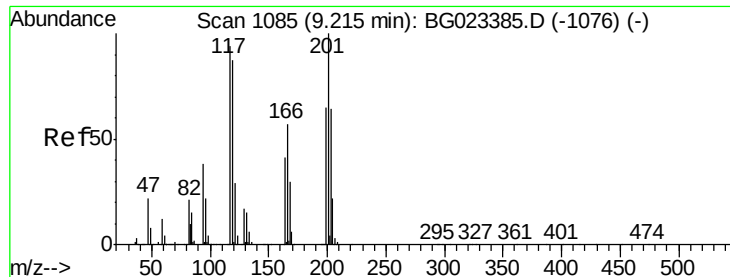
Ion Ratio Lower Upper

77 100

105 658.0 58.7 98.7#

106 62.4 67.5 107.5#





#18

Hexachloroethane

Concen: 96.98 ng

RT: 9.21 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BG023385.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

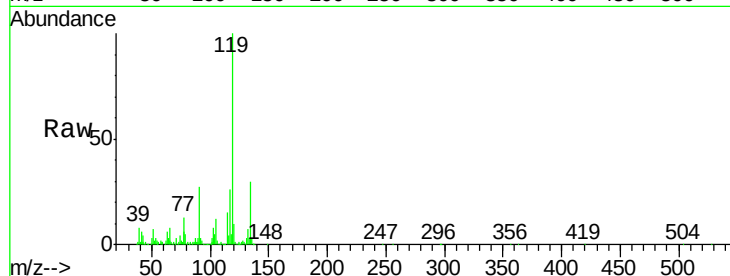
Tgt Ion:117 Resp: 360373

Ion Ratio Lower Upper

117 100

119 382.1 73.7 110.5#

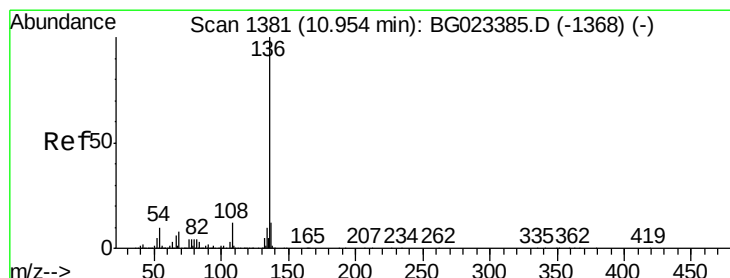
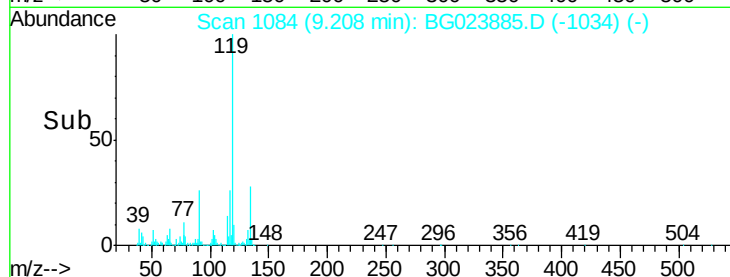
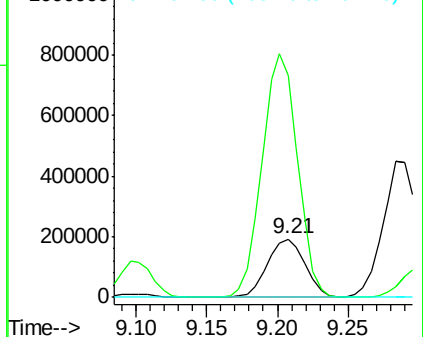
201 0.0 88.7 133.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.93 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BG023385.D

Acq: 24 Aug 2016 15:35

Tgt Ion:136 Resp: 506624

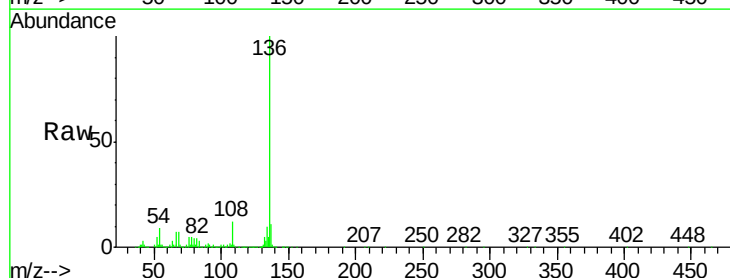
Ion Ratio Lower Upper

136 100

137 11.3 9.6 14.4

54 9.1 7.3 10.9

68 6.9 5.3 7.9

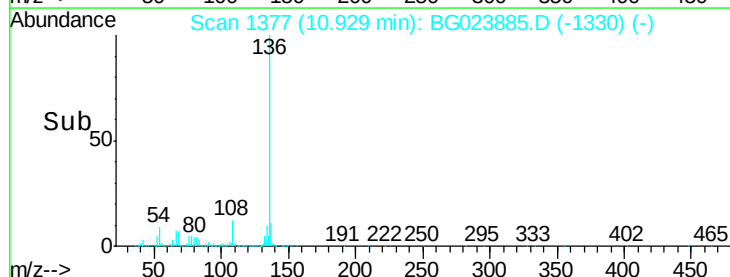
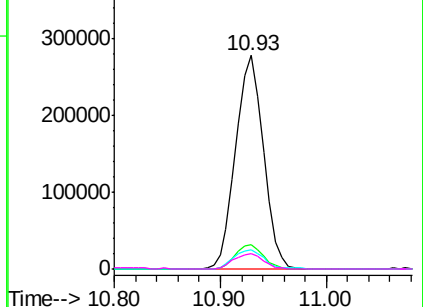


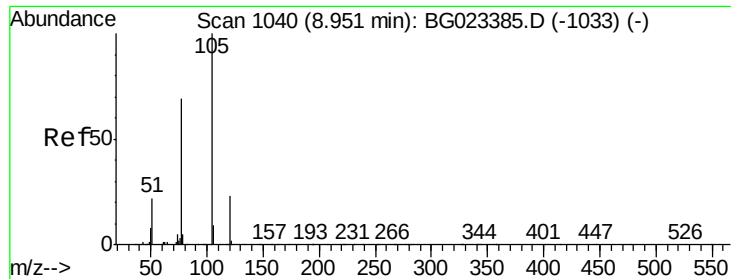
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 30.21 ng

RT: 8.90 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

Tgt Ion:105 Resp: 418996

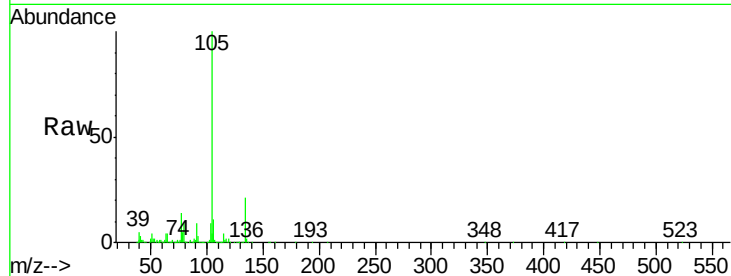
Ion Ratio Lower Upper

105 100

71 0.2 2.6 3.8#

51 4.1 27.1 40.7#

120 0.2 15.1 22.7#

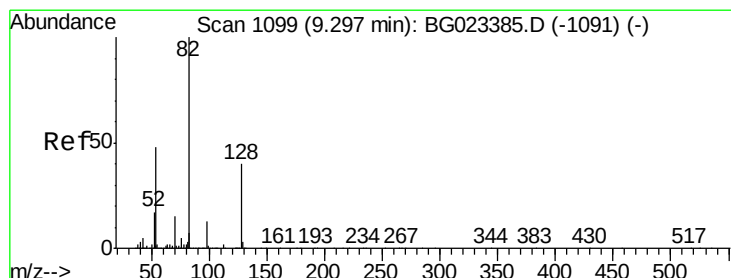
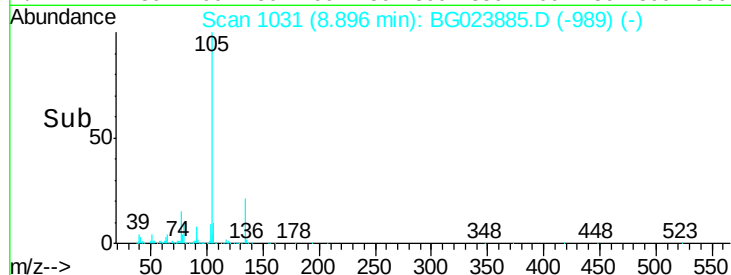
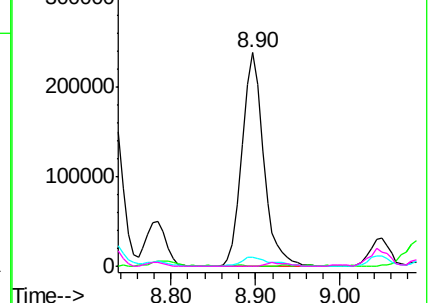


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 82.15 ng

RT: 9.27 min Scan# 1095

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

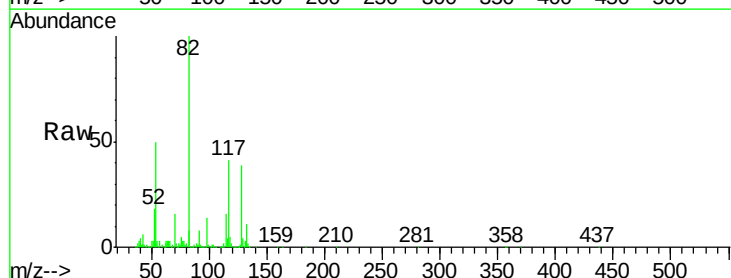
Tgt Ion: 82 Resp: 837187

Ion Ratio Lower Upper

82 100

128 38.6 24.4 36.6#

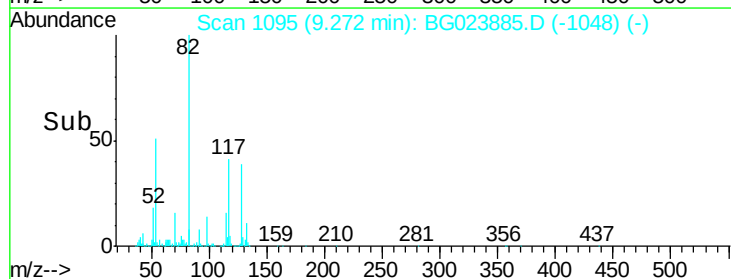
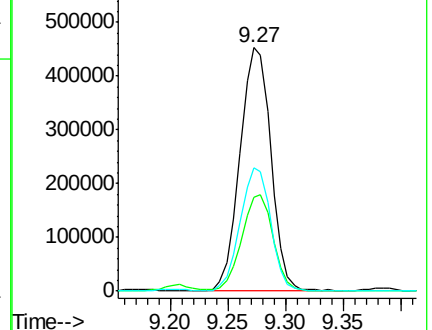
54 50.5 41.4 62.0

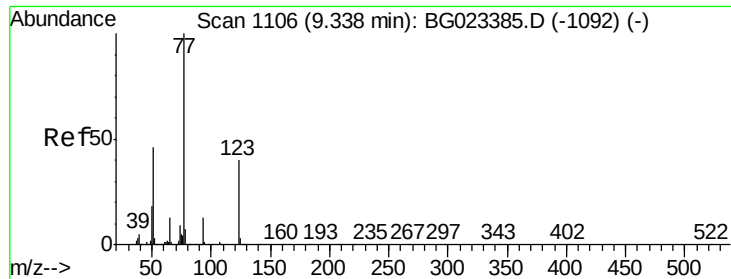


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

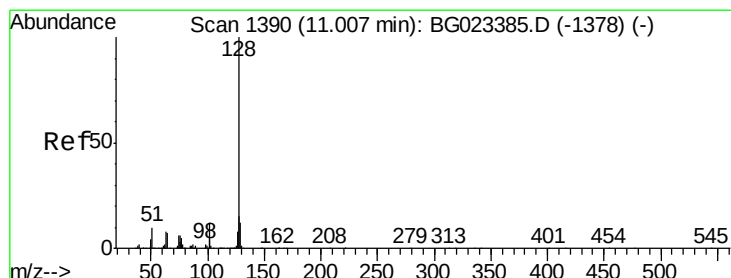
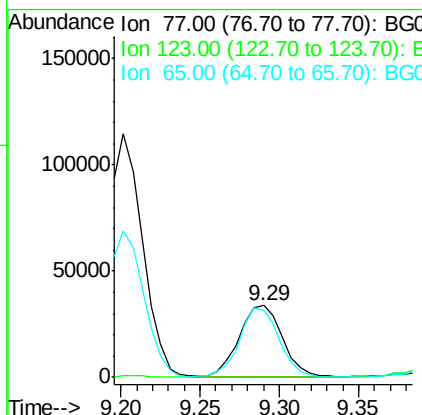
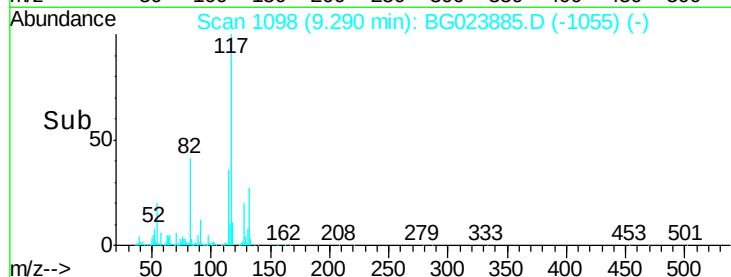
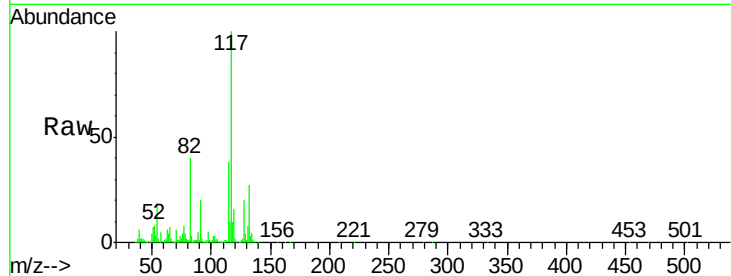




#24
 Nitrobenzene
 Concen: 5.77 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: BG023885.D
 Acq: 24 Aug 2016 15:35

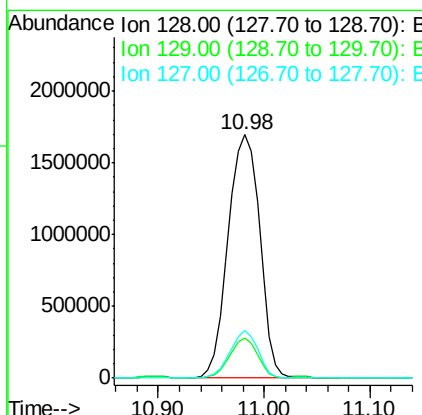
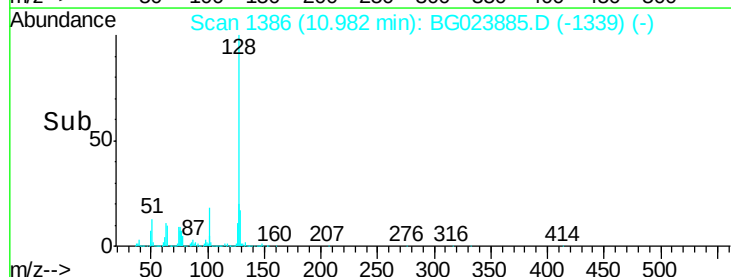
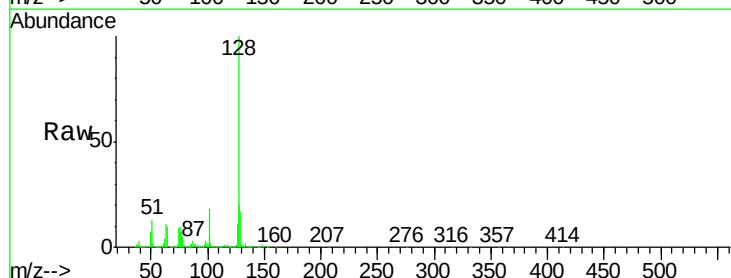
Instrument :
 BNA_G
 ClientSampleId :
 MW-1

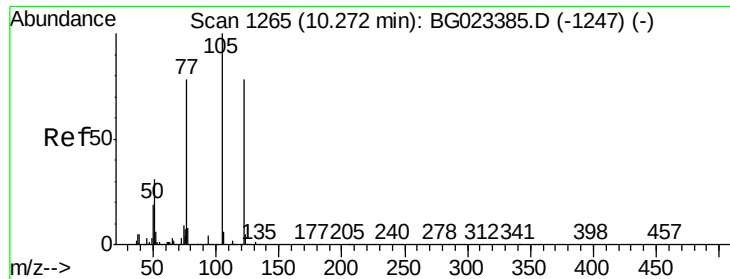
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.6	25.0	37.6#
65	93.0	13.4	20.0#



#31
 Naphthalene
 Concen: 136.47 ng
 RT: 10.98 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: BG023885.D
 Acq: 24 Aug 2016 15:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.6	9.4	14.0#
127	19.7	11.3	16.9#





#32

Benzoic acid

Concen: 6.53 ng

RT: 10.24 min Scan# 1259

Delta R.T. -0.04 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

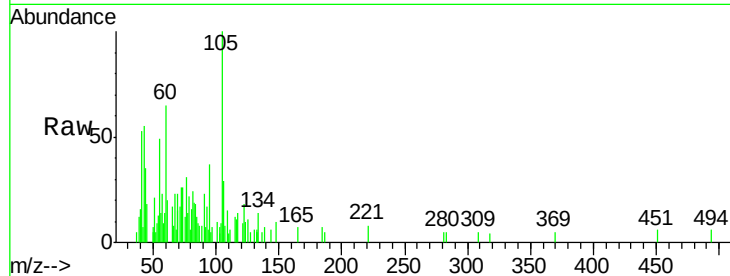
Tgt Ion:122 Resp: 718

Ion Ratio Lower Upper

122 100

105 547.1 117.2 157.2#

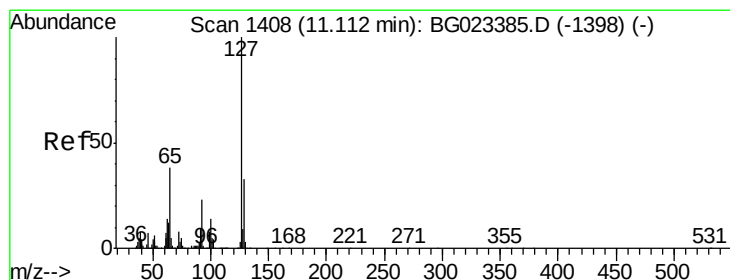
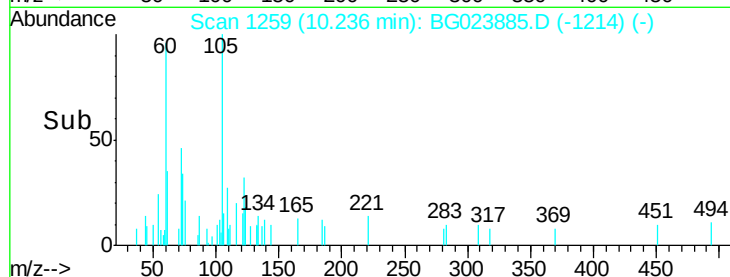
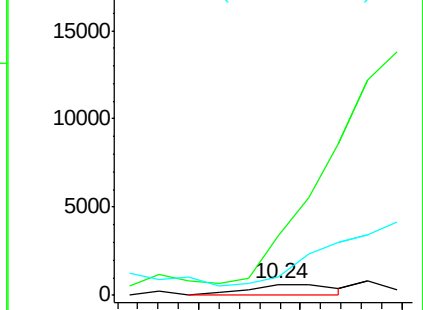
77 170.9 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 48.87 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.13 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Tgt Ion:127 Resp: 602716

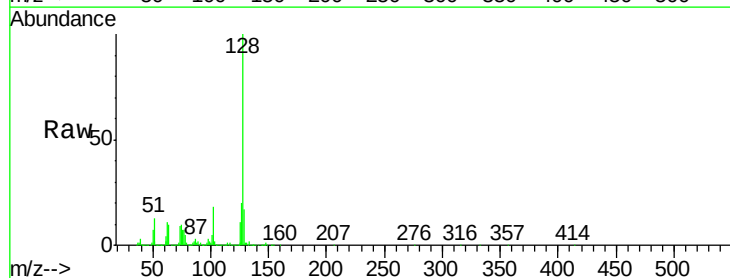
Ion Ratio Lower Upper

127 100

129 84.4 27.9 41.9#

65 0.0 36.8 55.2#

92 0.4 21.0 31.6#

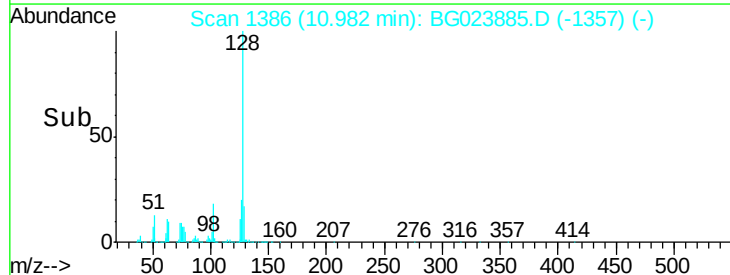
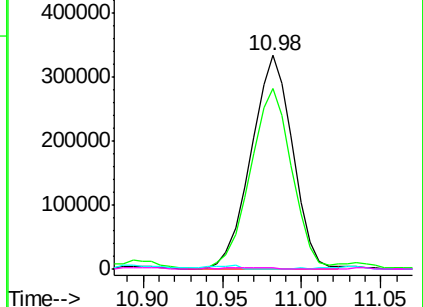


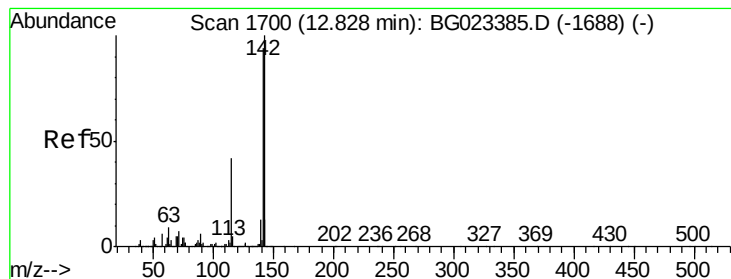
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#37

2-Methylnaphthalene

Concen: 60.36 ng

RT: 12.59 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

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BNA_G

ClientSampleId :

MW-1

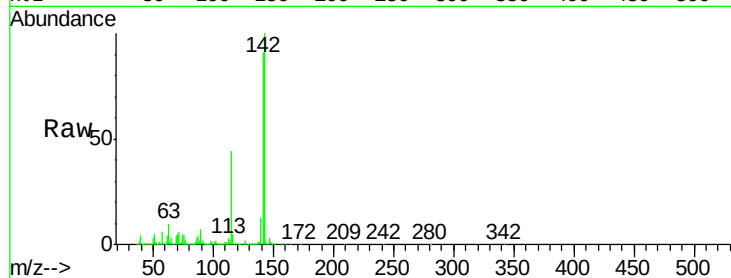
Tgt Ion:142 Resp: 1183960

Ion Ratio Lower Upper

142 100

141 91.3 70.2 105.2

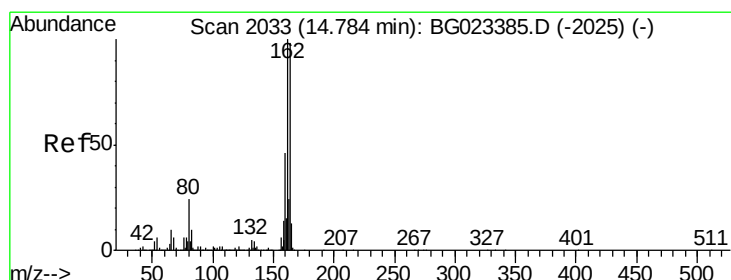
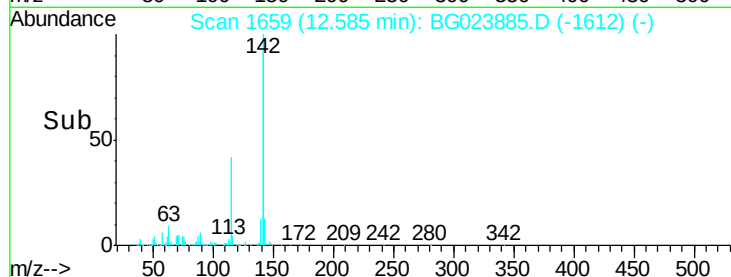
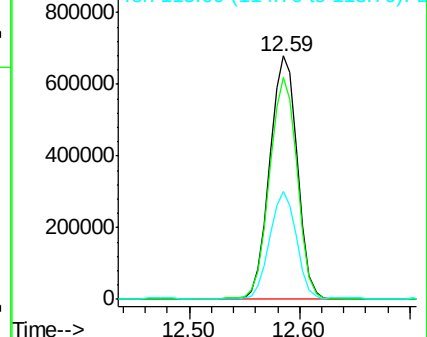
115 44.2 41.7 62.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

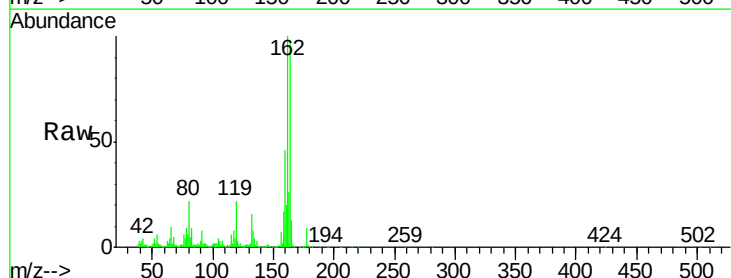
Tgt Ion:164 Resp: 317434

Ion Ratio Lower Upper

164 100

162 101.8 87.7 131.5

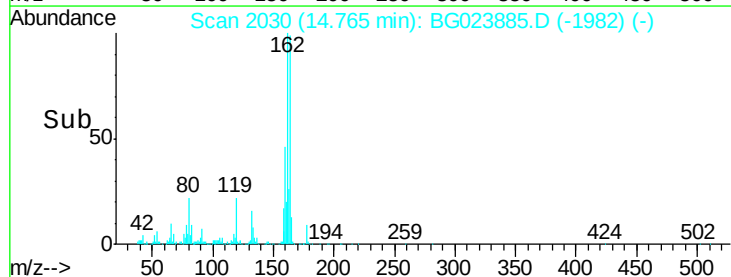
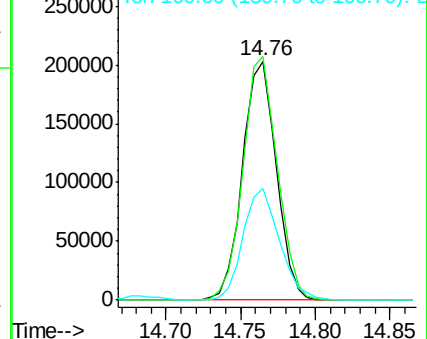
160 46.9 37.2 55.8

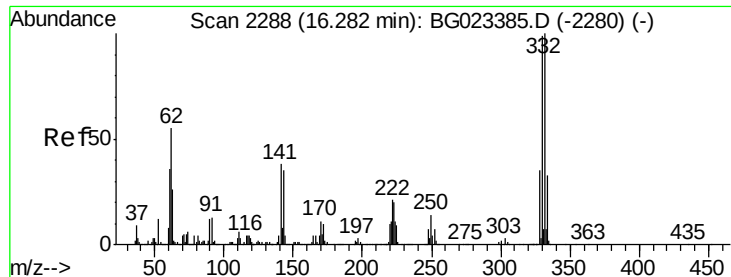


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

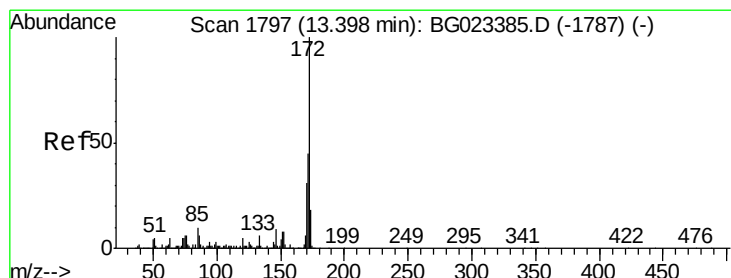
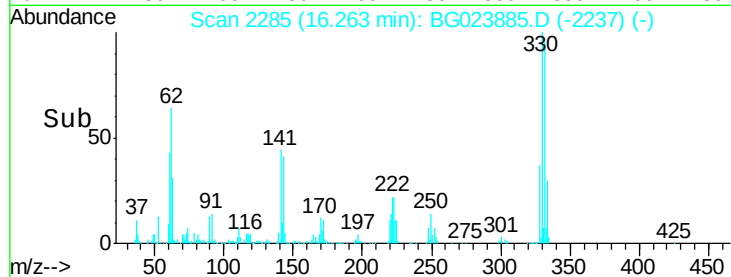
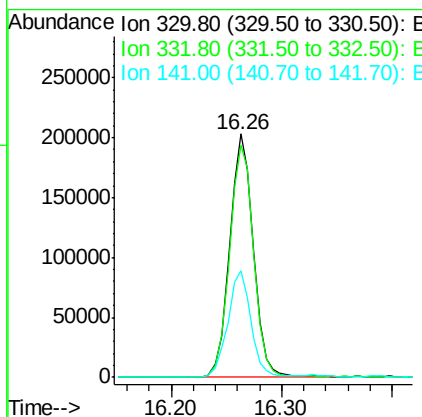
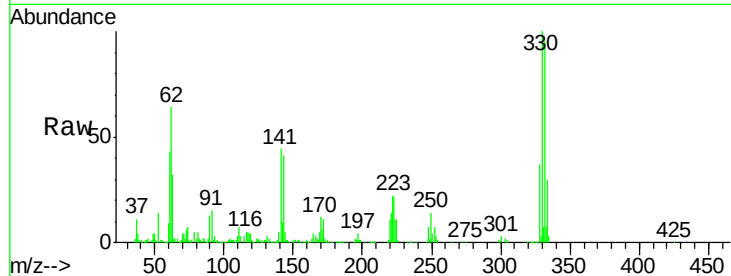




#41
 2,4,6-Tribromophenol
 Concen: 65.74 ng
 RT: 16.26 min Scan# 2285
 Delta R.T. -0.02 min
 Lab File: BG023885.D
 Acq: 24 Aug 2016 15:35

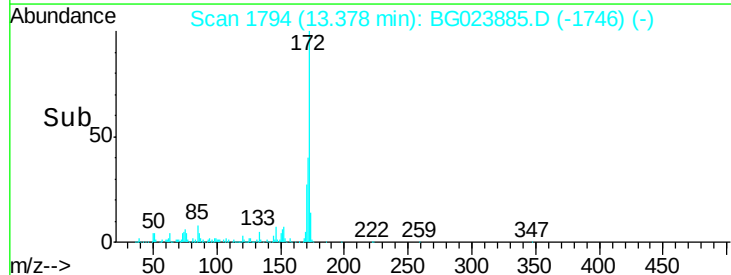
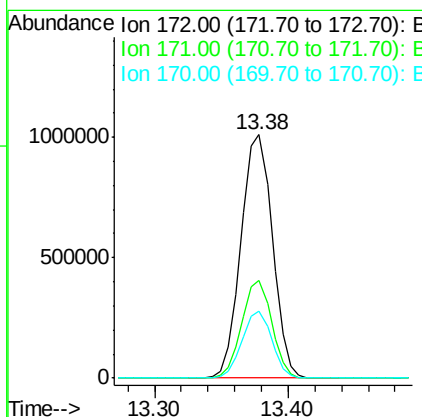
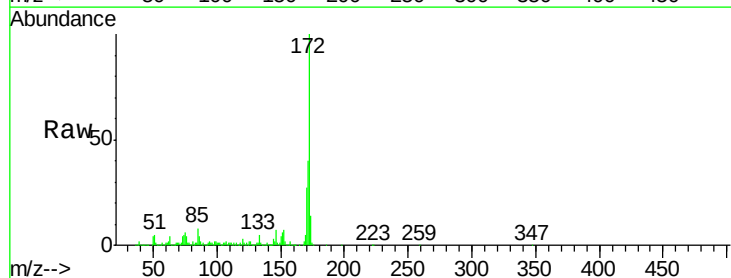
Instrument :
 BNA_G
 ClientSampleId :
 MW-1

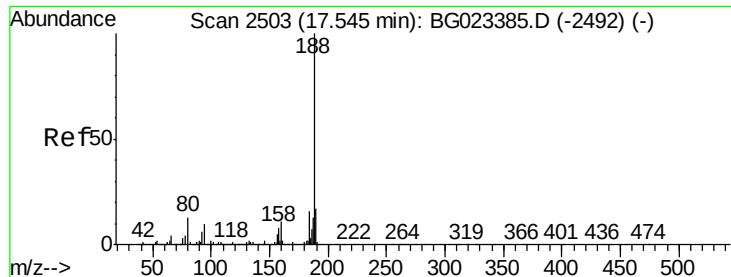
Tgt Ion:330 Resp: 305247
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.2
 141 43.3 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 87.30 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BG023885.D
 Acq: 24 Aug 2016 15:35

Tgt Ion:172 Resp: 1643040
 Ion Ratio Lower Upper
 172 100
 171 39.9 31.6 47.4
 170 27.3 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

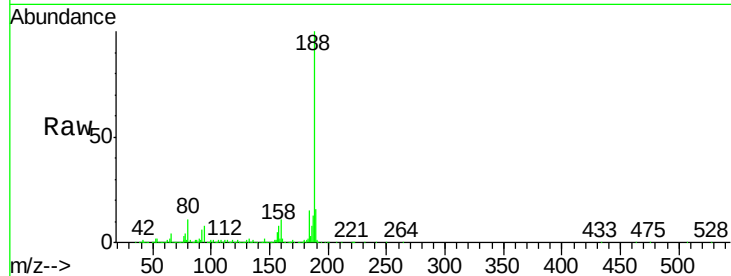
Tgt Ion:188 Resp: 709176

Ion Ratio Lower Upper

188 100

94 7.7 5.2 7.8

80 10.9 7.2 10.8#



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

17.53

400000

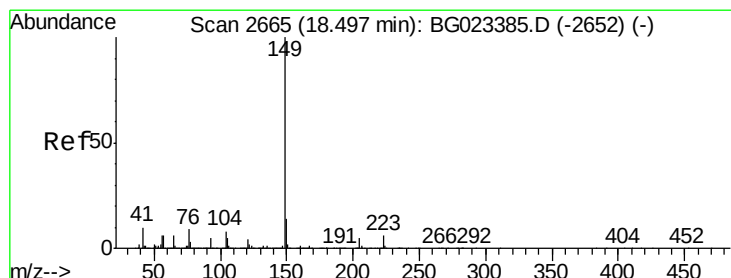
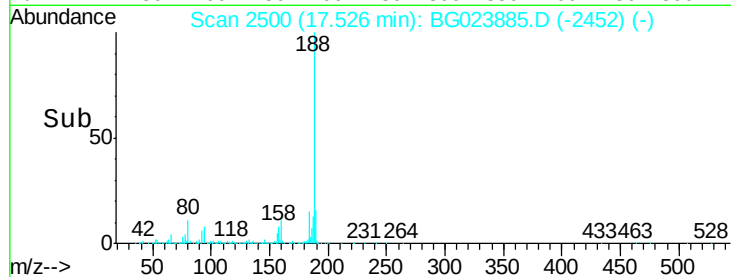
300000

200000

100000

0

Time-->



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.47 min Scan# 2661

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

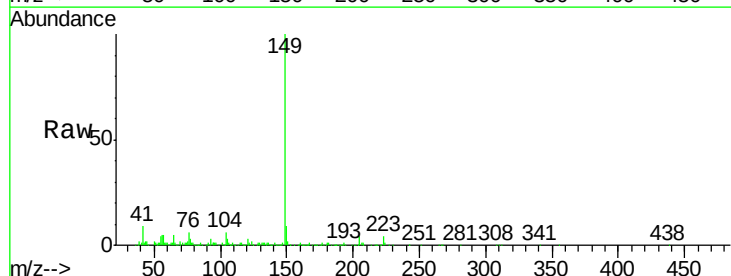
Tgt Ion:149 Resp: 137426

Ion Ratio Lower Upper

149 100

150 8.7 9.1 13.7#

104 6.1 6.9 10.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

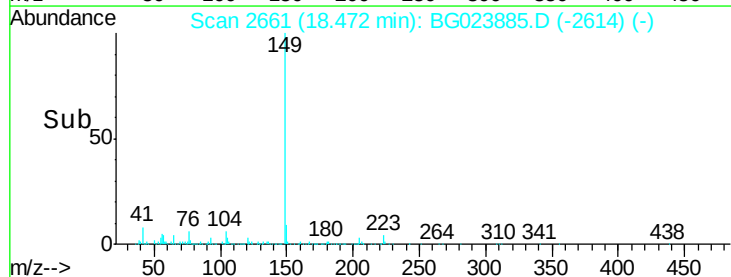
18.47

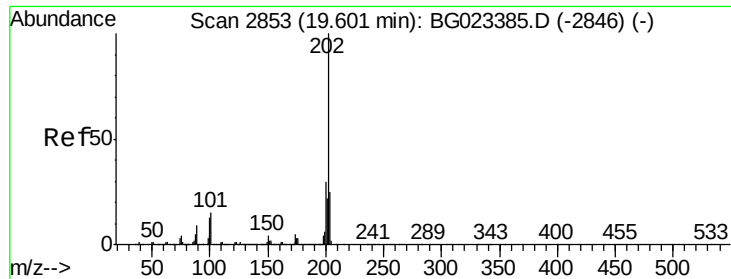
100000

50000

0

Time-->





#74

Fluoranthene

Concen: Below Cal

RT: 19.59 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampleId :

MW-1

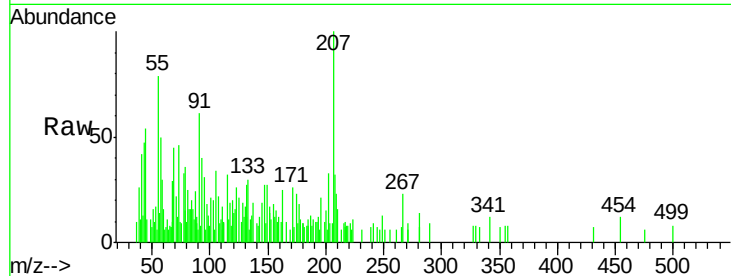
Tgt Ion:202 Resp: 908

Ion Ratio Lower Upper

202 100

101 64.2 0.0 27.4#

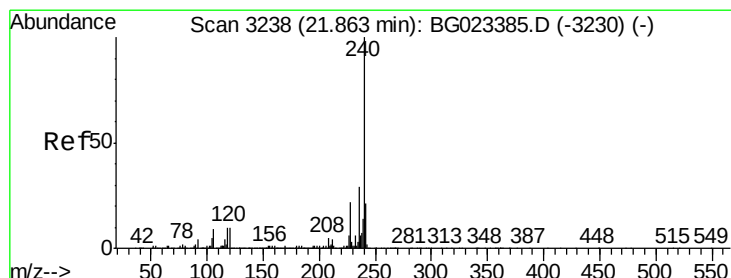
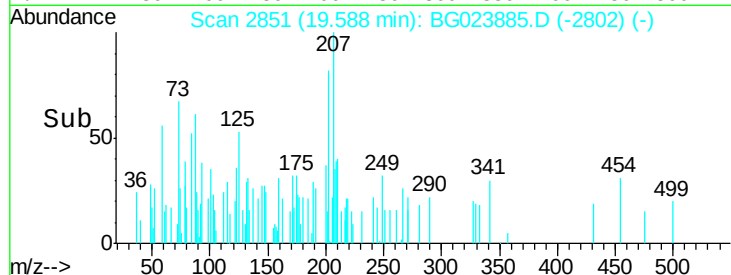
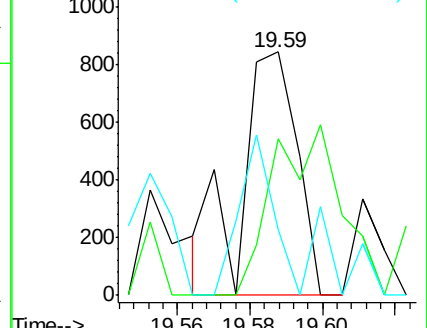
203 27.1 1.7 41.7



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: 21.84 min Scan# 3234

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

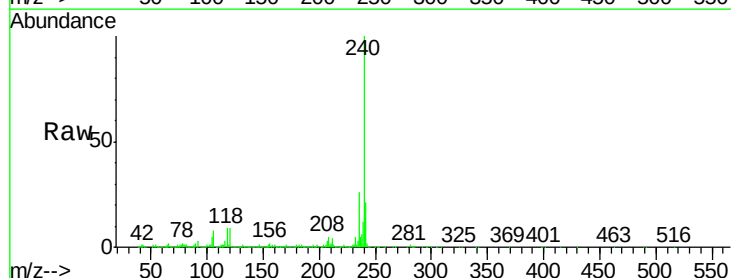
Tgt Ion:240 Resp: 755861

Ion Ratio Lower Upper

240 100

120 9.5 4.1 6.1#

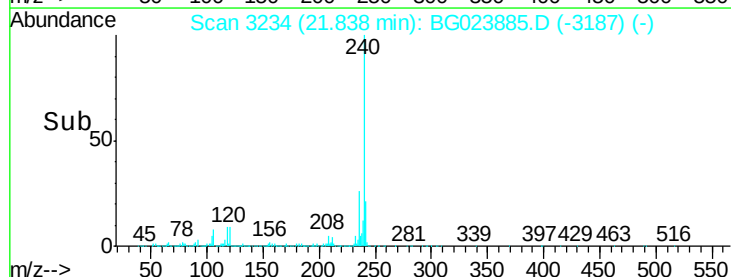
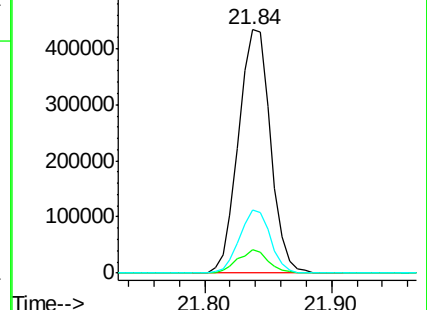
236 26.0 21.1 31.7

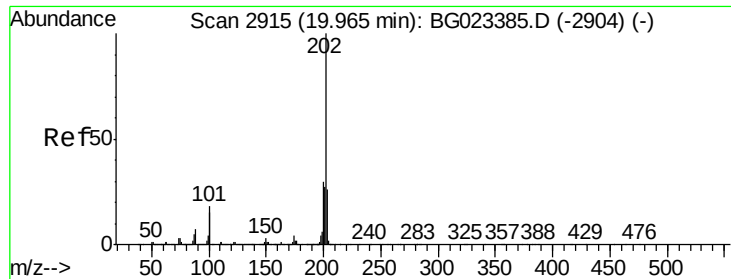


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: Below Cal

RT: 19.95 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

Instrument :

BNA_G

ClientSampled :

MW-1

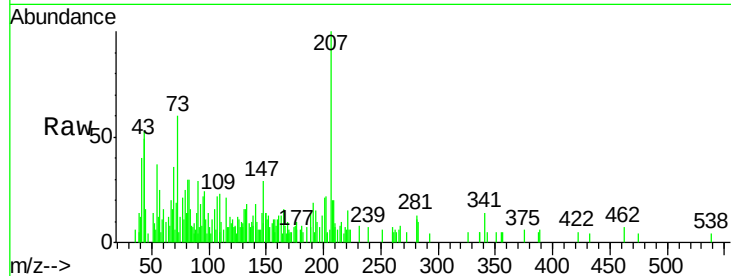
Tgt Ion:202 Resp: 1555

Ion Ratio Lower Upper

202 100

200 0.0 21.2 31.8#

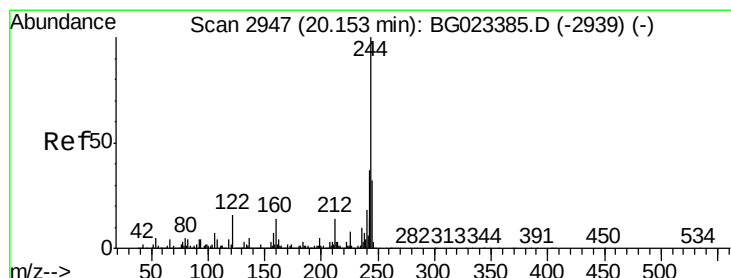
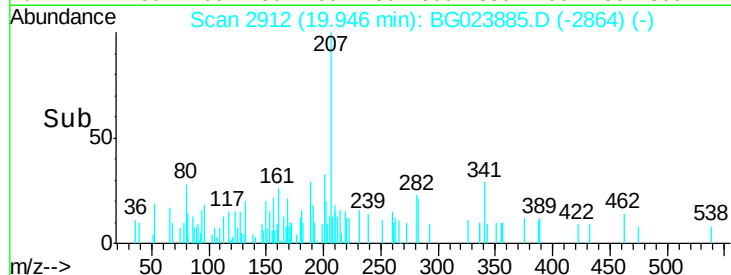
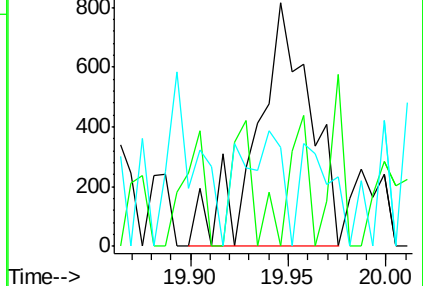
203 40.9 16.8 25.2#



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: 86.89 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG023885.D

Acq: 24 Aug 2016 15:35

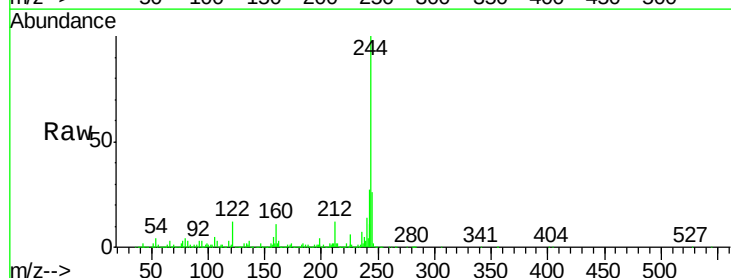
Tgt Ion:244 Resp: 2088407

Ion Ratio Lower Upper

244 100

212 11.7 10.8 16.2

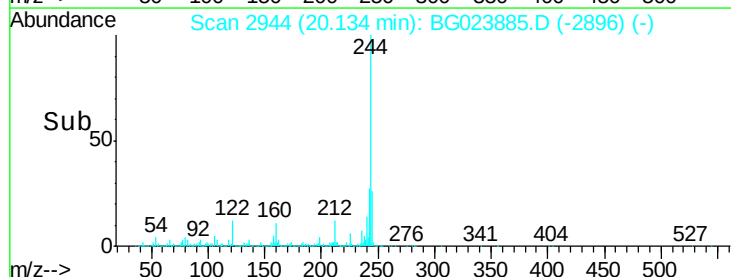
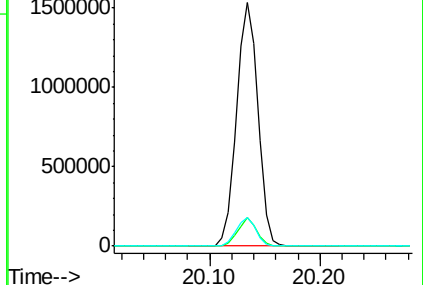
122 11.9 8.0 12.0

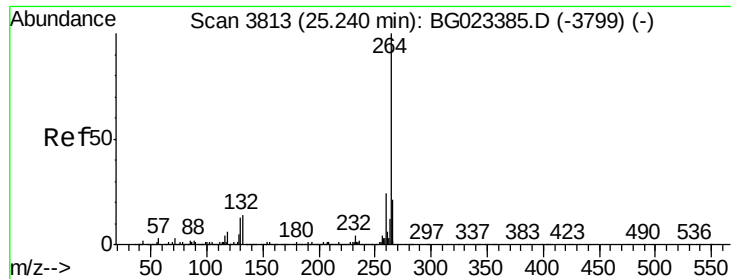


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.22 min Scan# 3809
Delta R.T. -0.02 min
Lab File: BG023885.D
Acq: 24 Aug 2016 15:35

Instrument :
BNA_G
ClientSampleId :
MW-1

Tgt Ion:	264	Resp:	740394
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	22.1	18.9	28.3

