

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082416\
 Data File : BG023886.D
 Acq On : 24 Aug 2016 16:13
 Operator : UM/SJ
 Sample : H4567-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-2

Quant Time: Aug 24 17:39:03 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

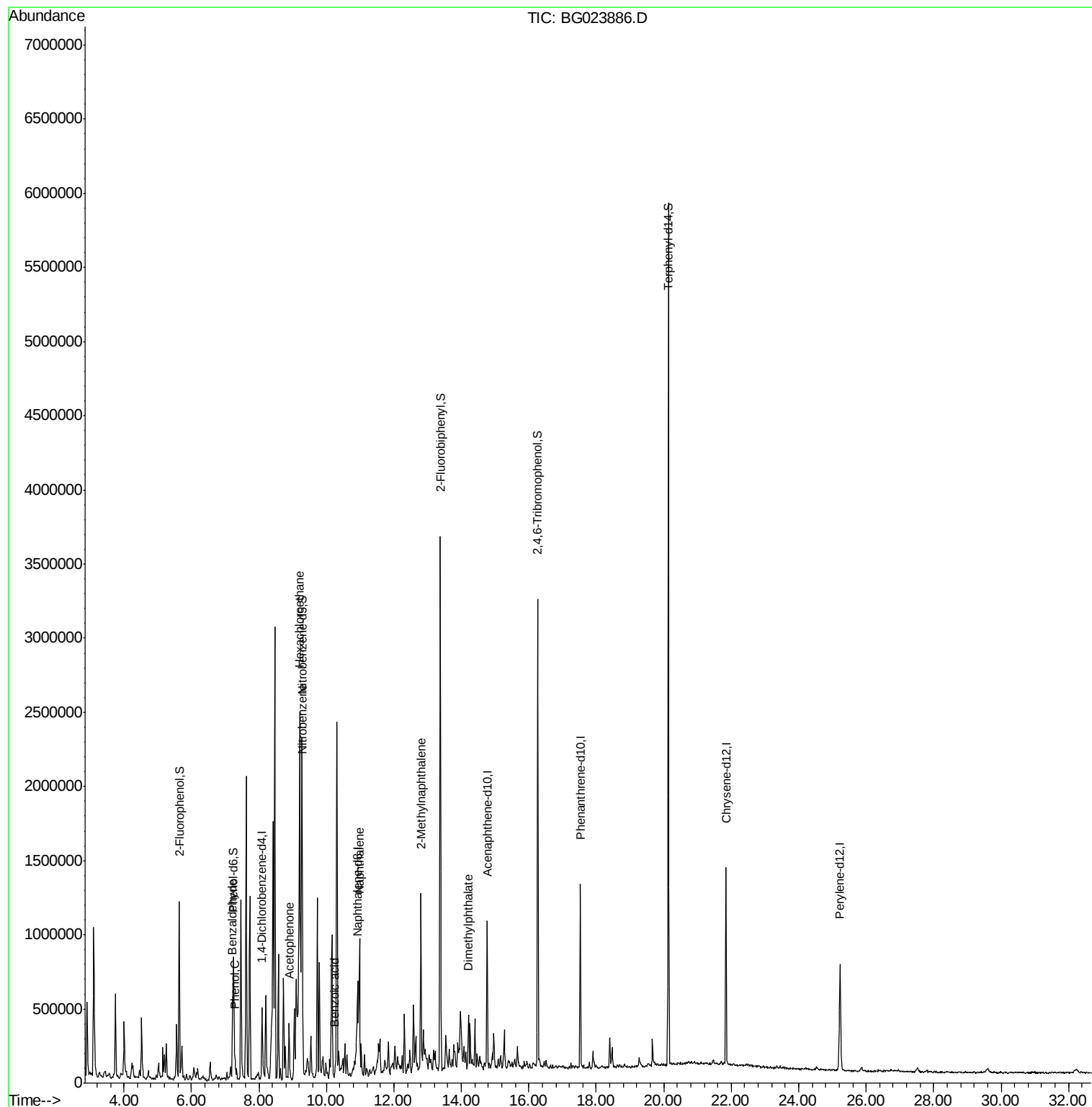
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	123739	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	508425	20.00	ng	-0.03
38) Acenaphthene-d10	14.77	164	321312	20.00	ng	-0.02
63) Phenanthrene-d10	17.53	188	721297	20.00	ng	-0.02
75) Chrysene-d12	21.84	240	787425	20.00	ng	-0.02
86) Perylene-d12	25.23	264	789606	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	522210	71.04	ng	-0.02
7) Phenol-d6	7.25	99	493586	43.11	ng	-0.03
23) Nitrobenzene-d5	9.27	82	947388	92.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.26	330	523767	111.45	ng	-0.02
44) 2-Fluorobiphenyl	13.38	172	1765244	92.66	ng	-0.02
78) Terphenyl-d14	20.14	244	2323999	94.50	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.22	77	48591	5.10	ng	# 1
10) Phenol	7.28	94	33424	2.73	ng	92
18) Hexachloroethane	9.20	117	238399	63.99	ng	# 1
22) Acetophenone	8.90	105	268624	19.30	ng	# 54
24) Nitrobenzene	9.29	77	48820	4.31	ng	# 18
31) Naphthalene	10.98	128	552261	21.33	ng	98
32) Benzoic acid	10.24	122	712	6.53	ng	# 1
37) 2-Methylnaphthalene	12.80	142	379374	19.27	ng	93
49) Dimethylphthalate	14.21	163	217367	8.82	ng	# 94
73) Di-n-butylphthalate	18.47	149	82289	Below Cal		# 96
74) Fluoranthene	19.58	202	1578	Below Cal		# 61
77) Pyrene	19.95	202	1884	Below Cal		# 42

(#) = 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: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

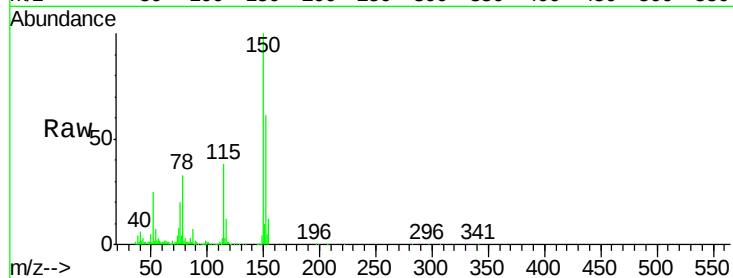
Tgt Ion:152 Resp: 123739

Ion Ratio Lower Upper

152 100

150 164.5 144.7 217.1

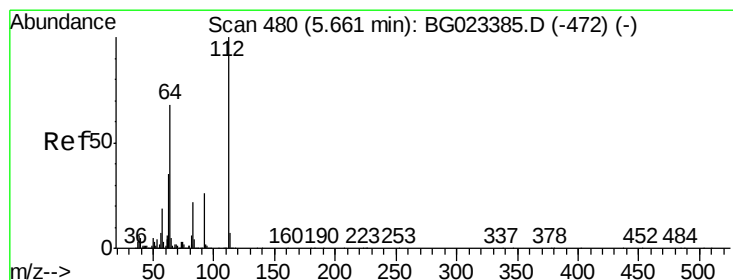
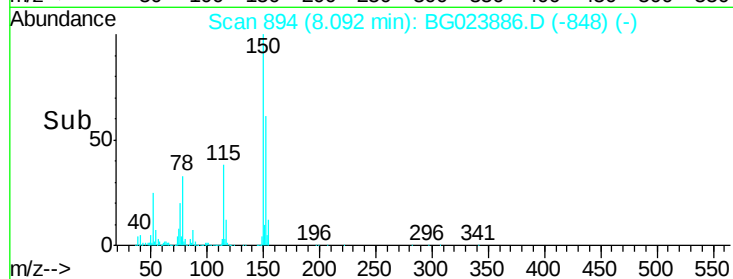
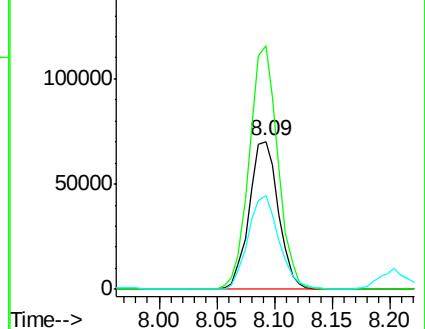
115 63.0 64.0 96.0#



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: 71.04 ng

RT: 5.64 min Scan# 476

Delta R.T. -0.02 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

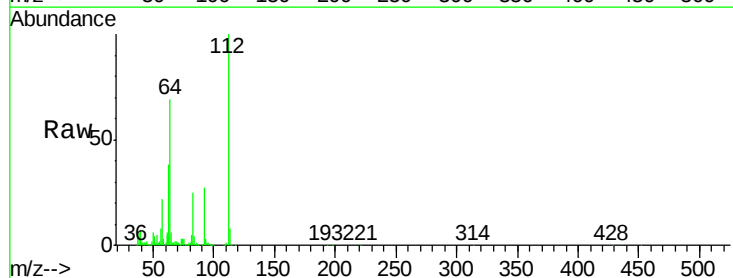
Tgt Ion:112 Resp: 522210

Ion Ratio Lower Upper

112 100

64 68.8 59.0 88.4

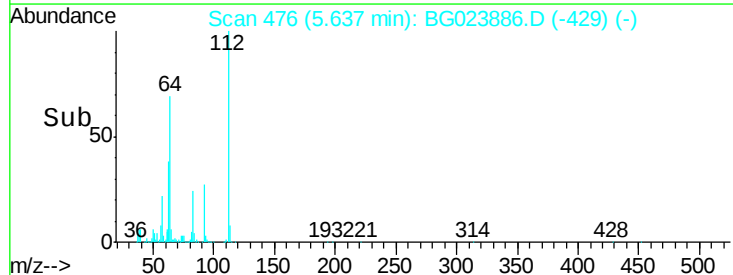
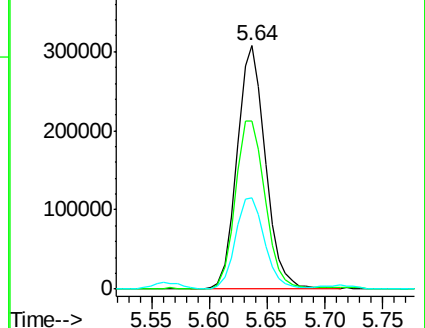
63 37.5 37.8 56.8#

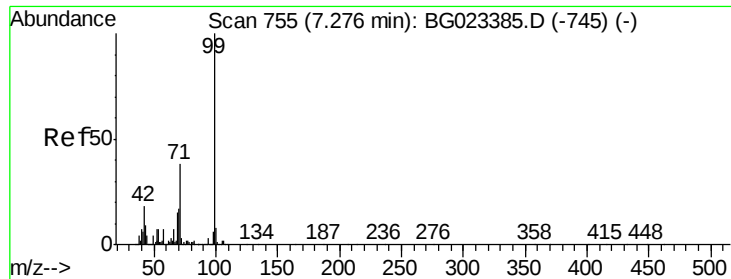


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 43.11 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.03 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

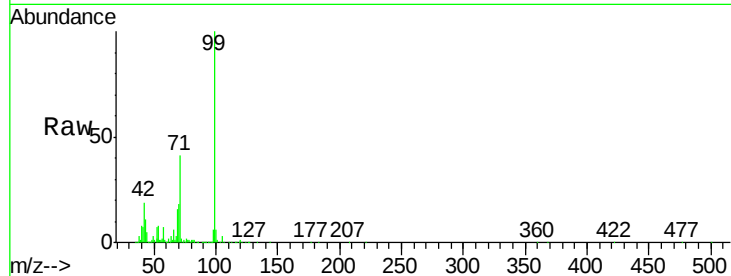
Tgt Ion: 99 Resp: 493586

Ion Ratio Lower Upper

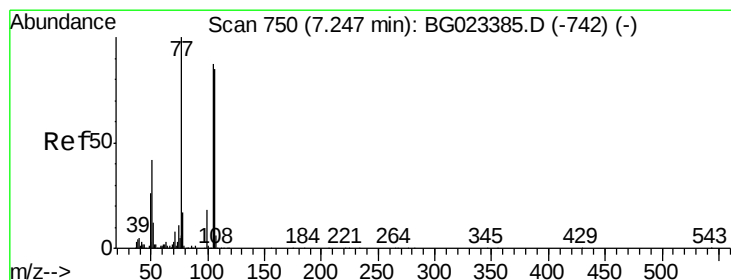
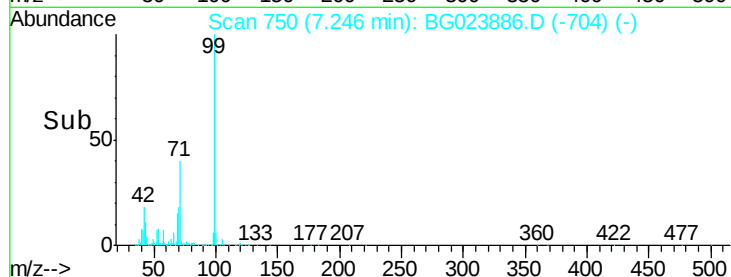
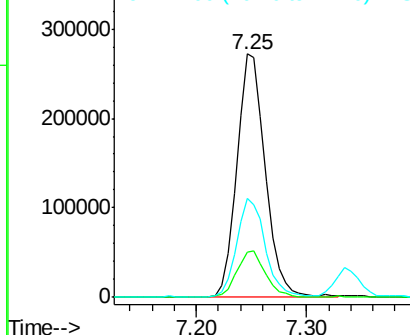
99 100

42 18.6 17.8 26.6

71 40.7 41.5 62.3#



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



#9

Benzaldehyde

Concen: 5.10 ng

RT: 7.22 min Scan# 745

Delta R.T. -0.03 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

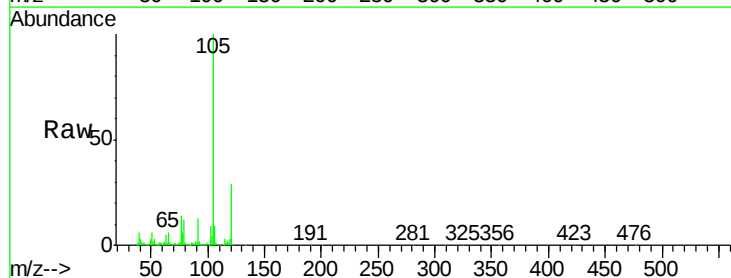
Tgt Ion: 77 Resp: 48591

Ion Ratio Lower Upper

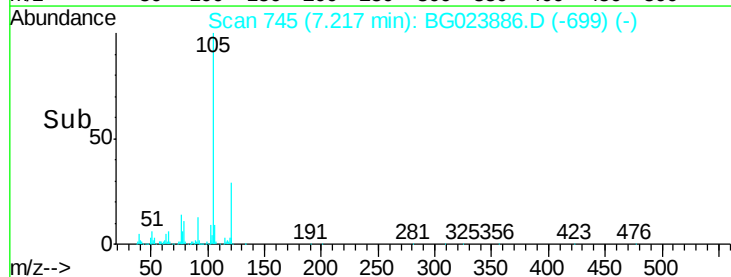
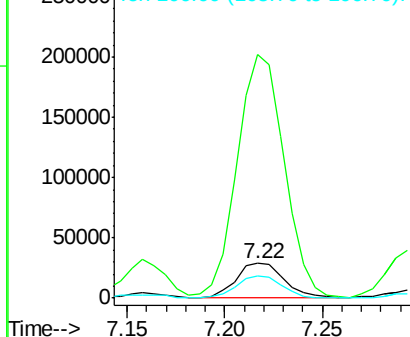
77 100

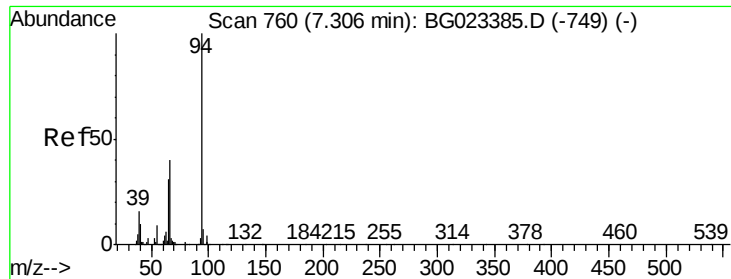
105 703.5 58.7 98.7#

106 64.1 67.5 107.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.73 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.02 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

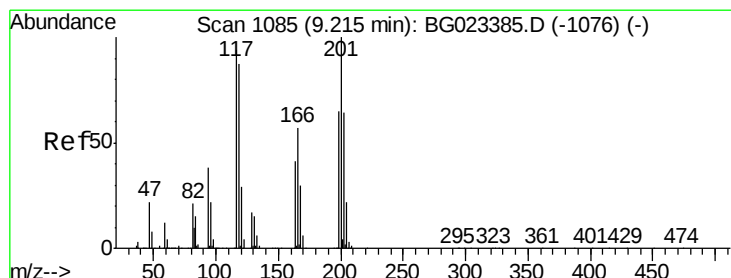
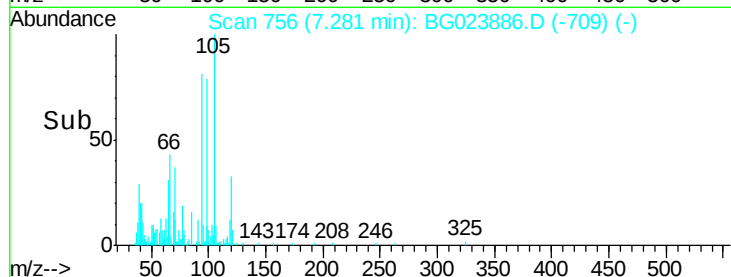
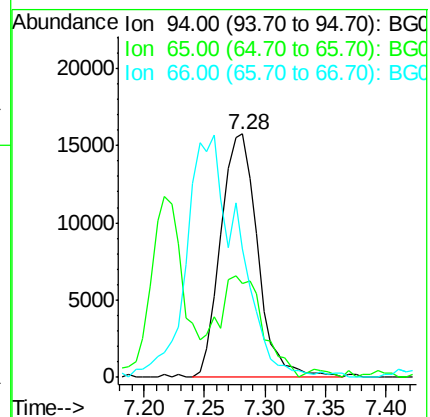
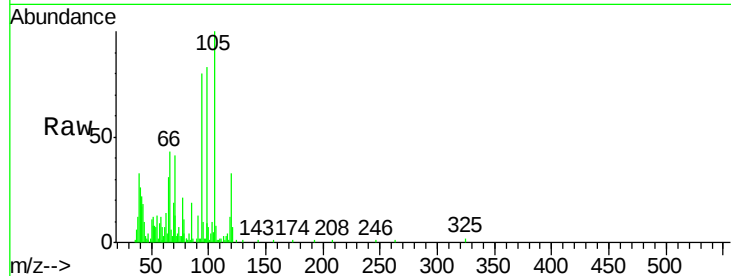
Tgt Ion: 94 Resp: 33424

Ion Ratio Lower Upper

94 100

65 38.4 18.1 58.1

66 52.9 42.1 82.1



#18

Hexachloroethane

Concen: 63.99 ng

RT: 9.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

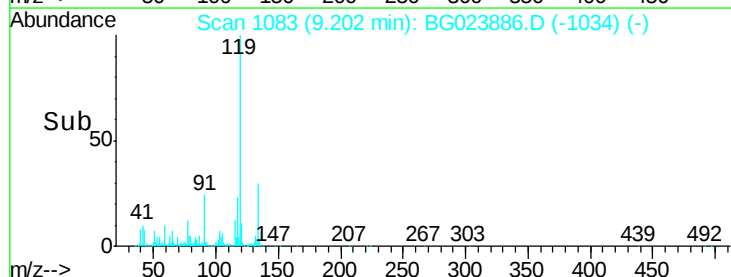
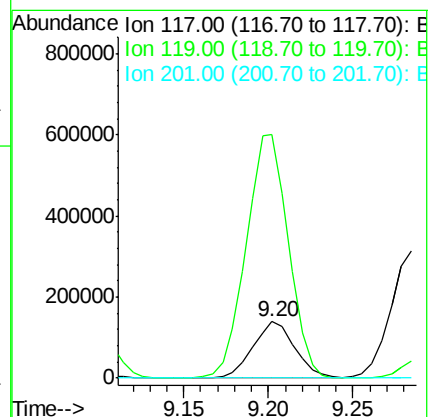
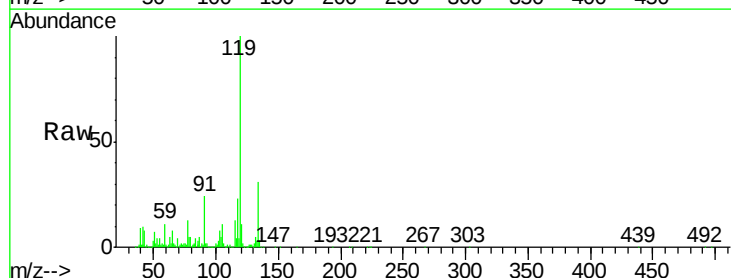
Tgt Ion: 117 Resp: 238399

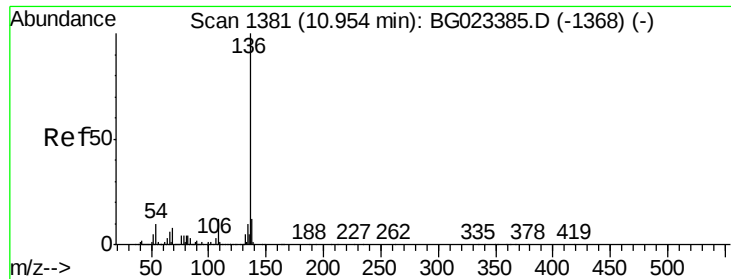
Ion Ratio Lower Upper

117 100

119 433.9 73.7 110.5#

201 0.0 88.7 133.1#

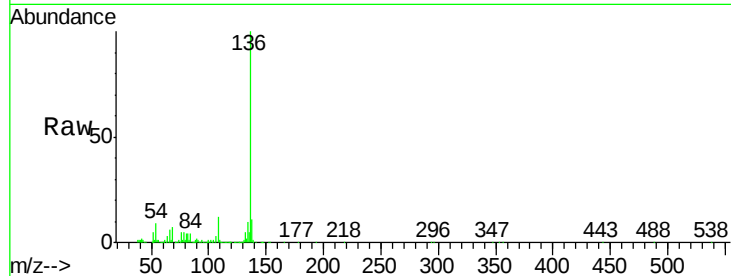




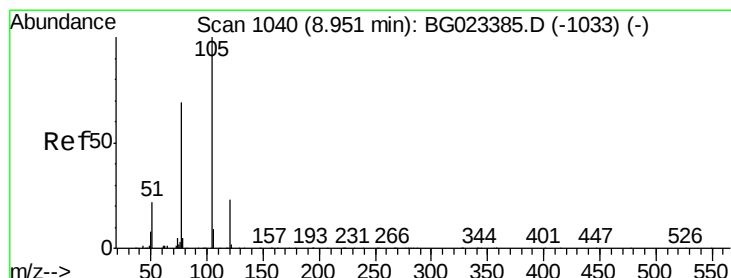
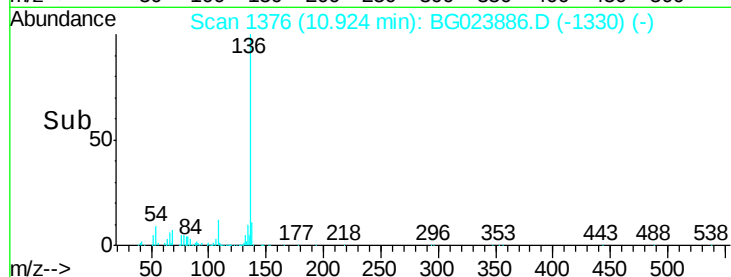
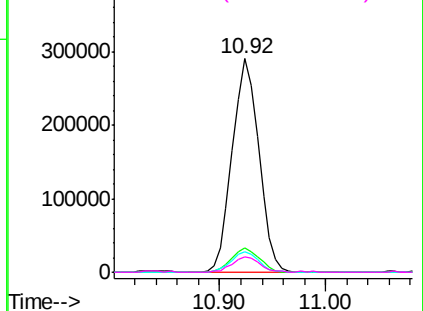
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

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BNA_G
ClientSampleId :
MW-2

Tgt Ion:	136	Resp:	508425
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	9.3	7.3	10.9
68	7.0	5.3	7.9

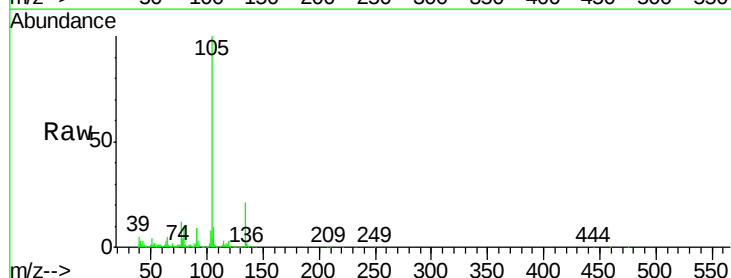


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

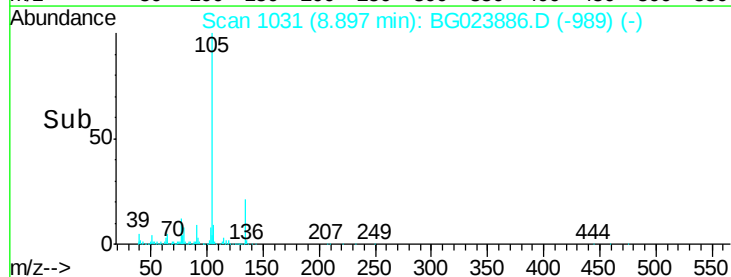
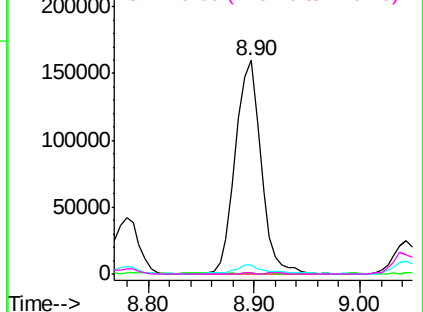


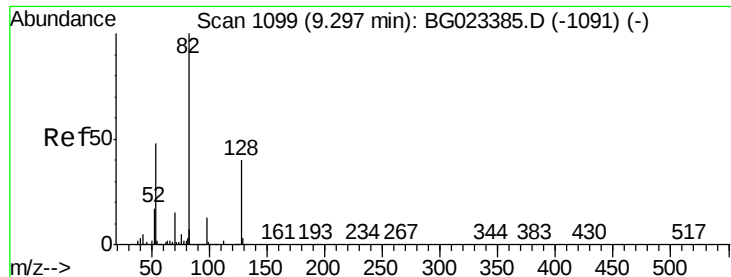
#22
Acetophenone
Concen: 19.30 ng
RT: 8.90 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

Tgt Ion:	105	Resp:	268624
Ion	Ratio	Lower	Upper
105	100		
71	0.4	2.6	3.8#
51	4.4	27.1	40.7#
120	0.3	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

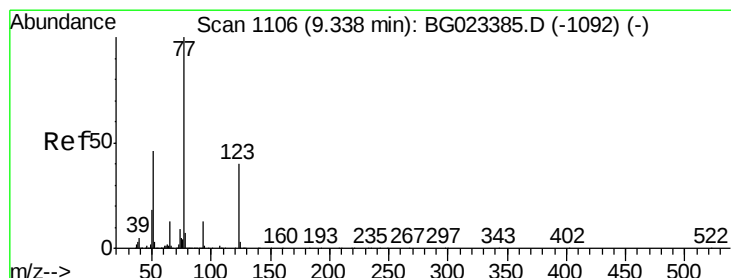
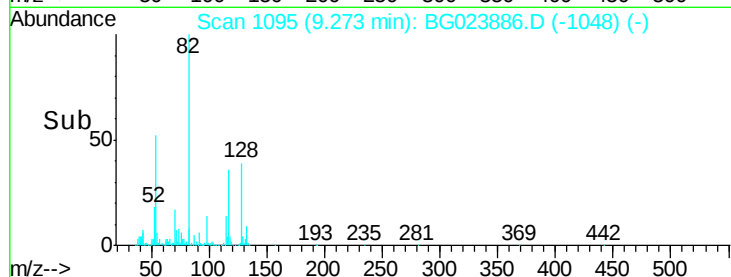
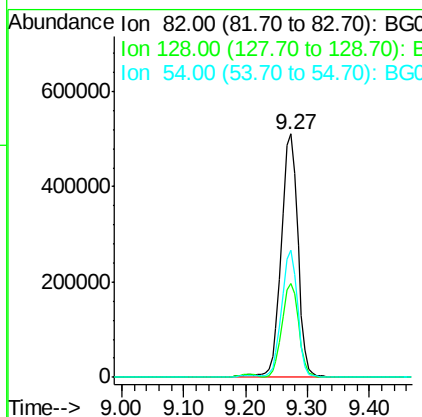
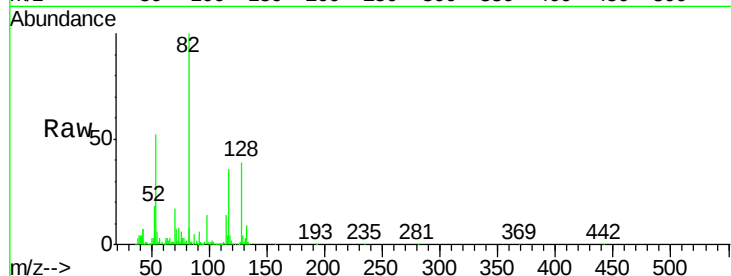




#23
 Nitrobenzene-d5
 Concen: 92.64 ng
 RT: 9.27 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

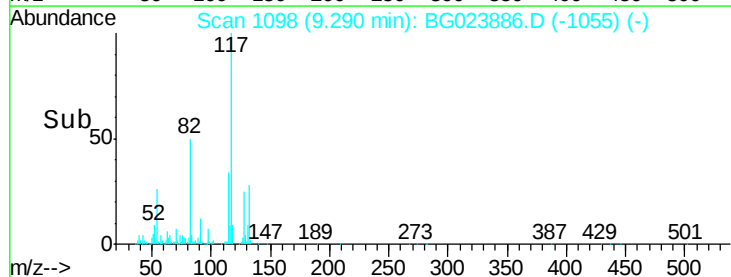
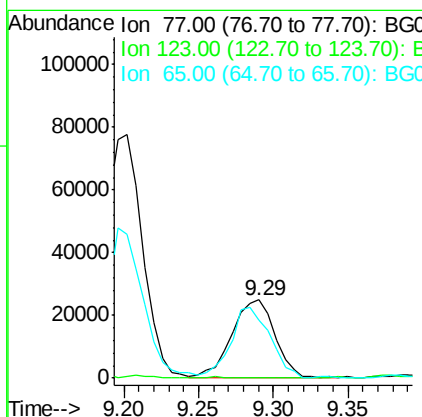
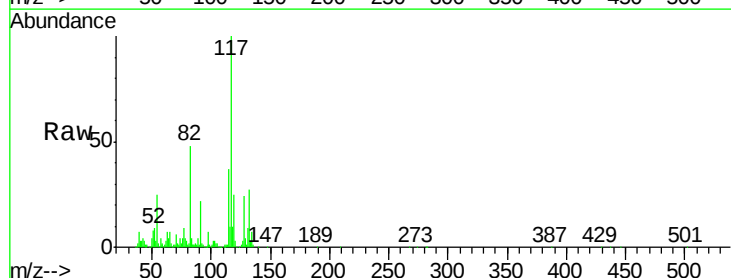
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

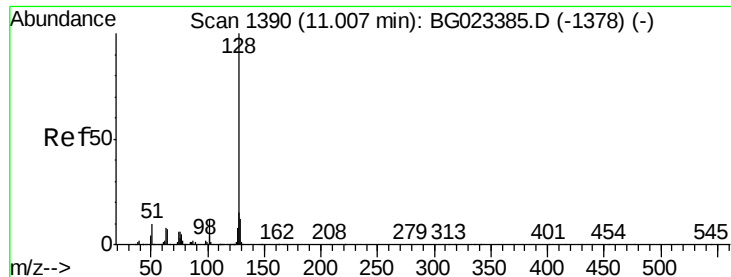
Tgt Ion: 82 Resp: 947388
 Ion Ratio Lower Upper
 82 100
 128 38.6 24.4 36.6#
 54 52.4 41.4 62.0



#24
 Nitrobenzene
 Concen: 4.31 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

Tgt Ion: 77 Resp: 48820
 Ion Ratio Lower Upper
 77 100
 123 0.6 25.0 37.6#
 65 73.8 13.4 20.0#

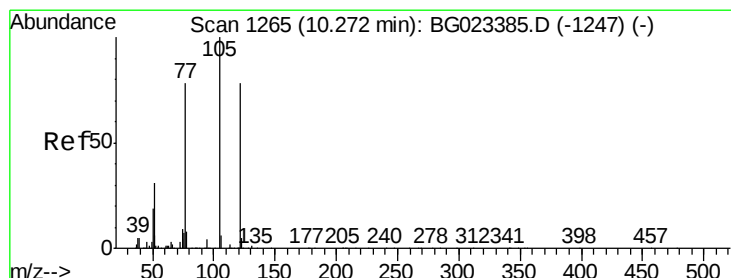
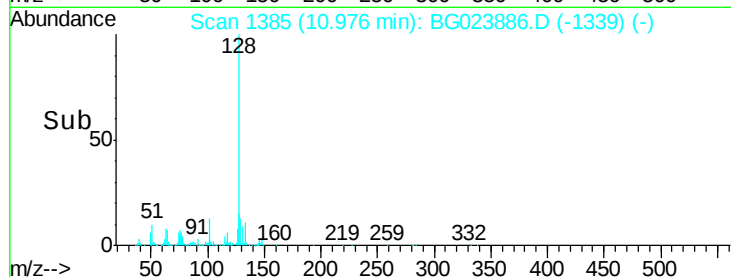
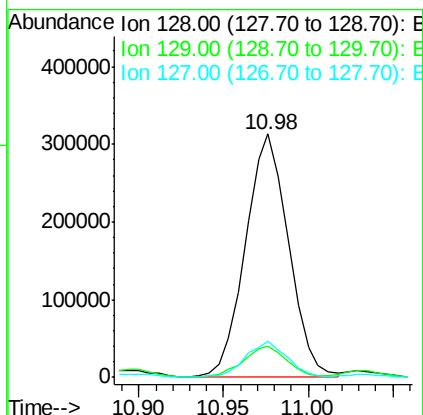
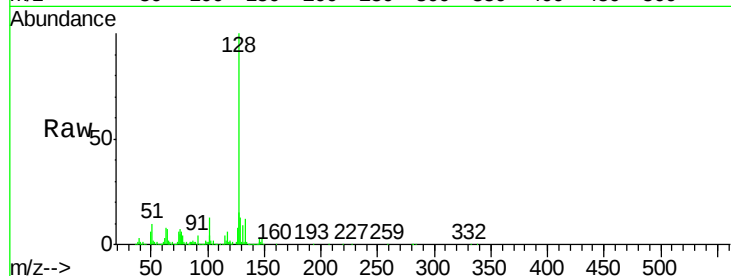




#31
Naphthalene
Concen: 21.33 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.03 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

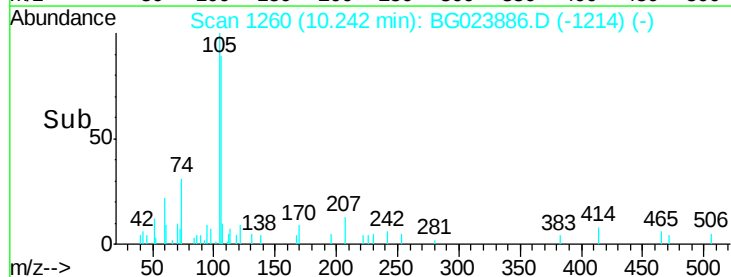
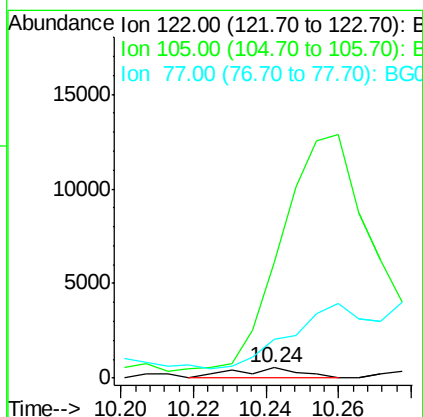
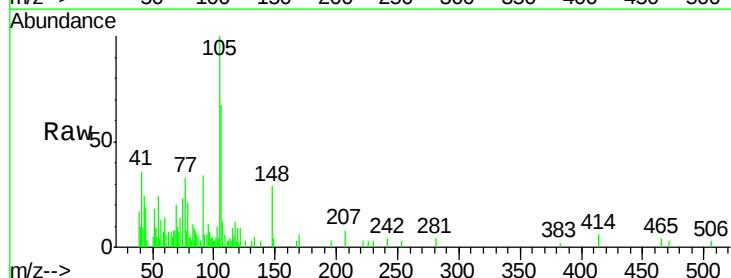
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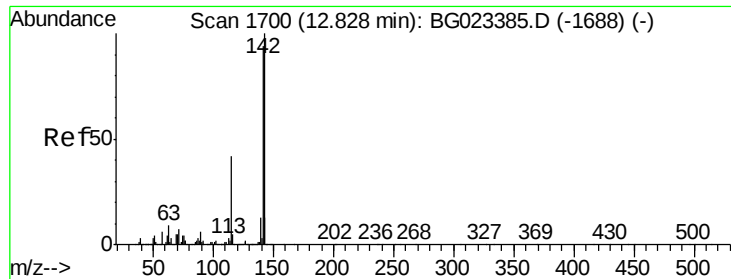
Tgt Ion:128 Resp: 552261
Ion Ratio Lower Upper
128 100
129 12.6 9.4 14.0
127 14.8 11.3 16.9



#32
Benzoic acid
Concen: 6.53 ng
RT: 10.24 min Scan# 1260
Delta R.T. -0.03 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

Tgt Ion:122 Resp: 712
Ion Ratio Lower Upper
122 100
105 1093.0 117.2 157.2#
77 364.1 109.2 149.2#

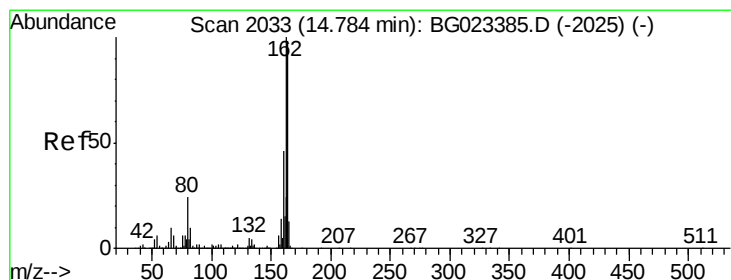
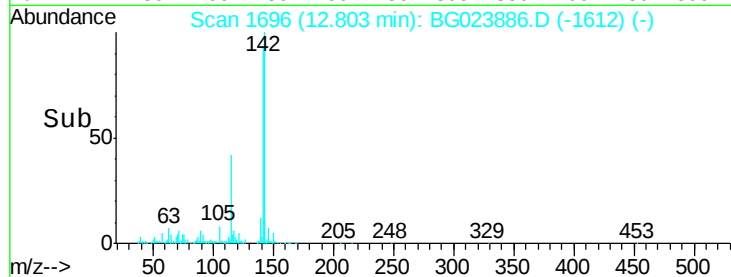
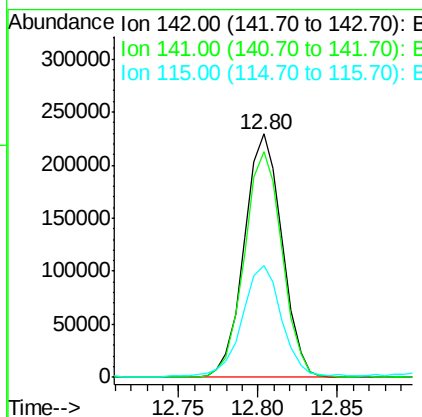
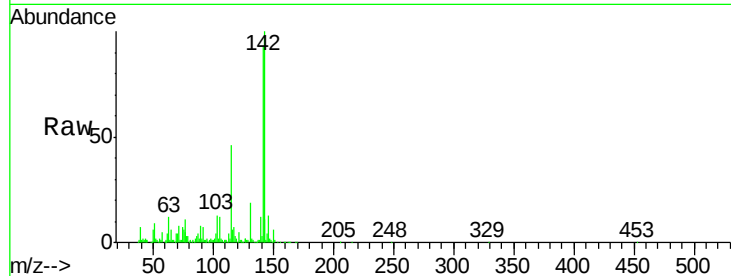




#37
 2-Methylnaphthalene
 Concen: 19.27 ng
 RT: 12.80 min Scan# 1696
 Delta R.T. 0.19 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

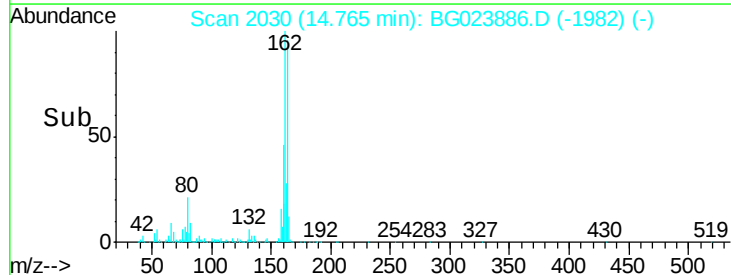
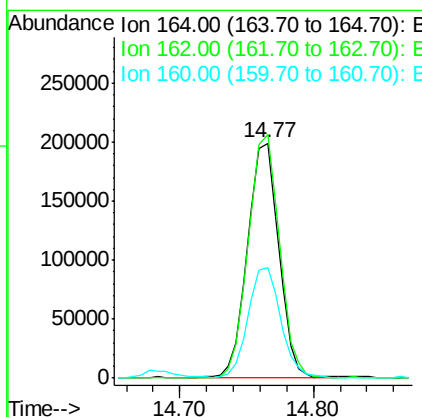
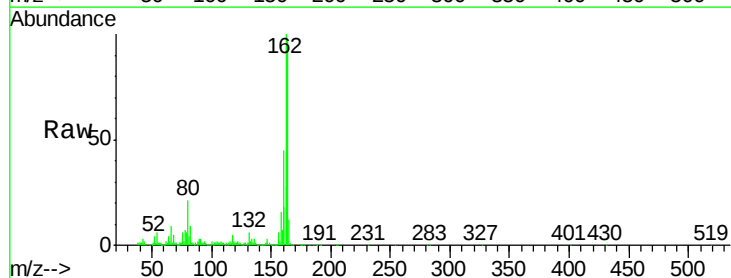
Instrument :
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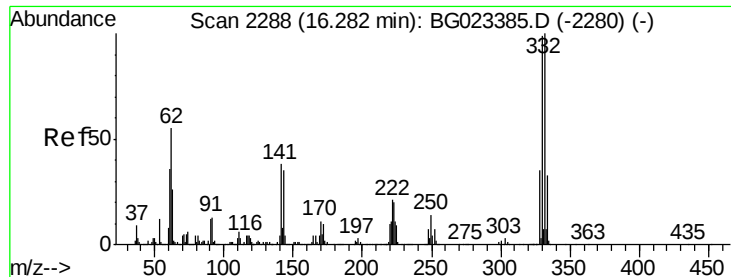
Tgt Ion:142 Resp: 379374
 Ion Ratio Lower Upper
 142 100
 141 92.9 70.2 105.2
 115 46.1 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

Tgt Ion:164 Resp: 321312
 Ion Ratio Lower Upper
 164 100
 162 103.6 87.7 131.5
 160 46.8 37.2 55.8

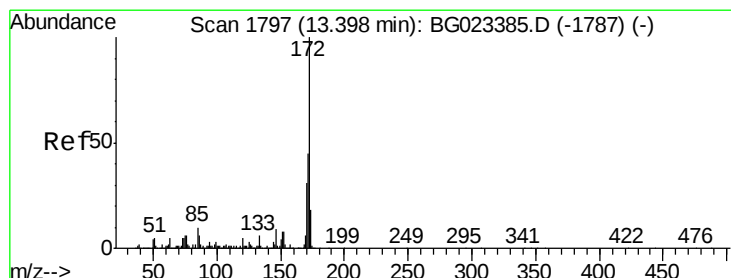
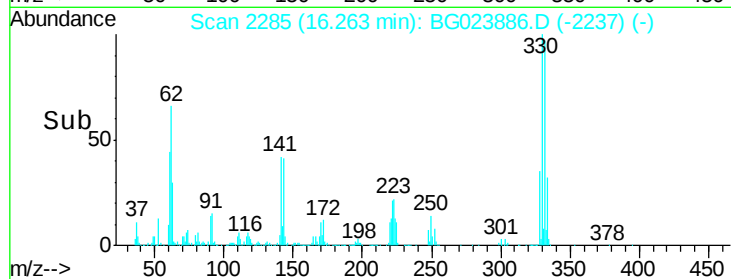
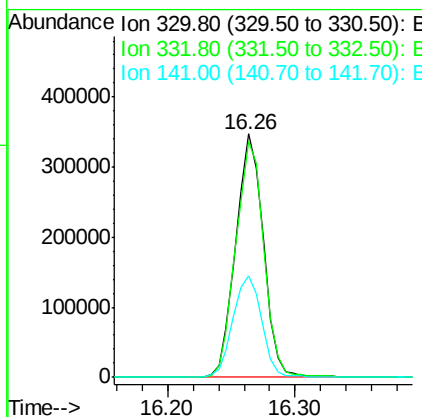
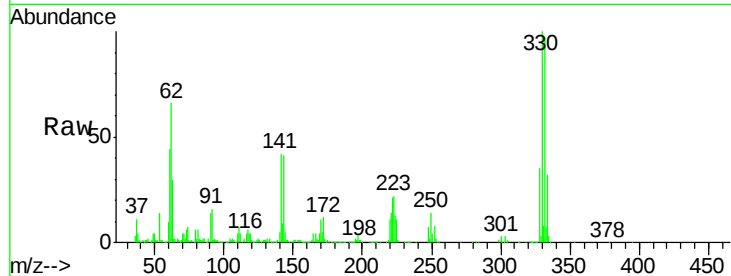




#41
 2,4,6-Tribromophenol
 Concen: 111.45 ng
 RT: 16.26 min Scan# 2285
 Delta R.T. -0.02 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

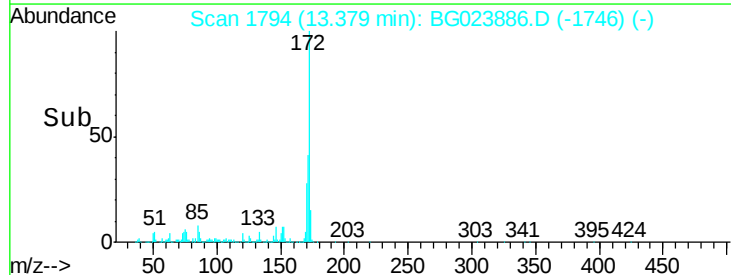
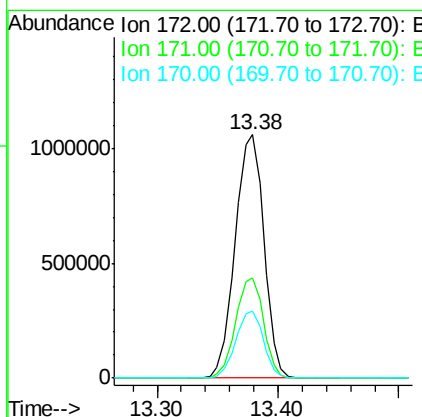
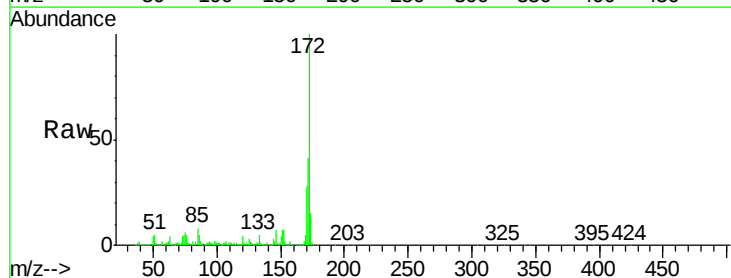
Instrument :
 BNA_G
 ClientSampleId :
 MW-2

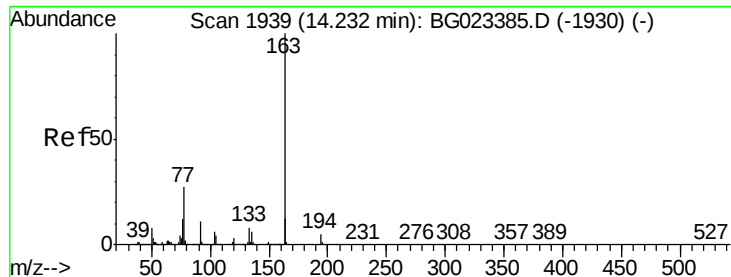
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.2
141	42.9	31.7	47.5



#44
 2-Fluorobiphenyl
 Concen: 92.66 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.02 min
 Lab File: BG023886.D
 Acq: 24 Aug 2016 16:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.0	31.6	47.4
170	27.7	21.3	31.9





#49

Dimethylphthalate

Concen: 8.82 ng

RT: 14.21 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

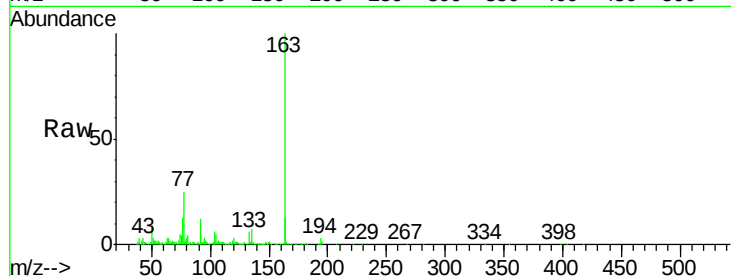
Tgt Ion:163 Resp: 217367

Ion Ratio Lower Upper

163 100

194 3.2 3.6 5.4#

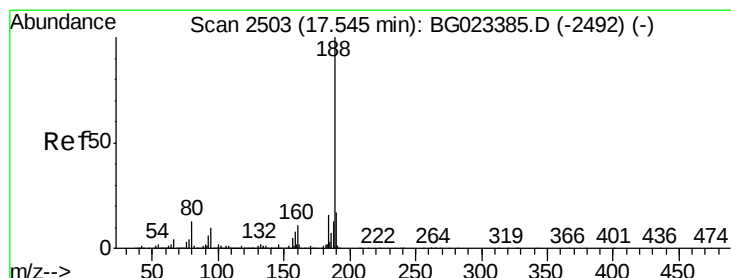
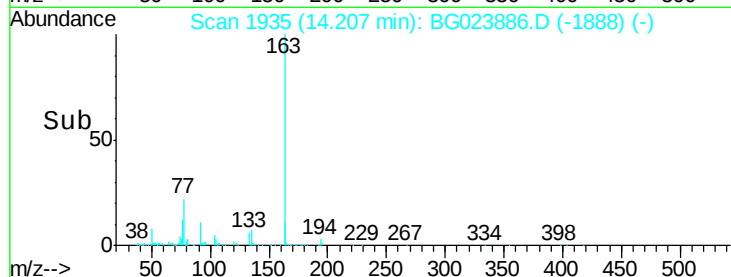
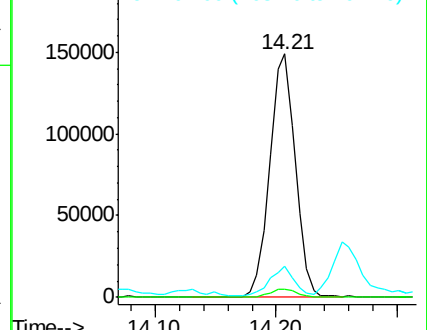
164 12.6 8.1 12.1#



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: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

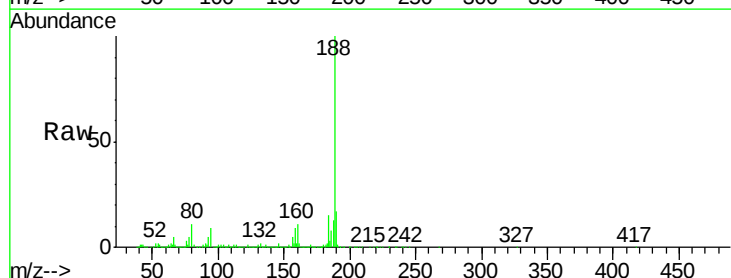
Tgt Ion:188 Resp: 721297

Ion Ratio Lower Upper

188 100

94 8.8 5.2 7.8#

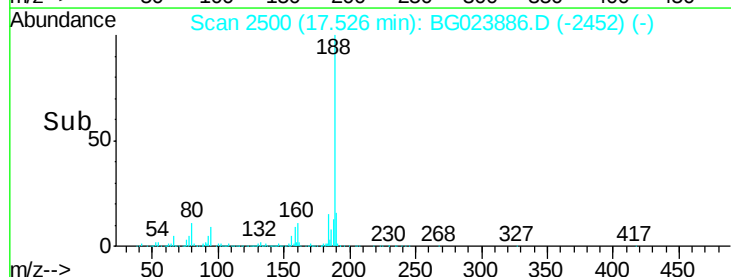
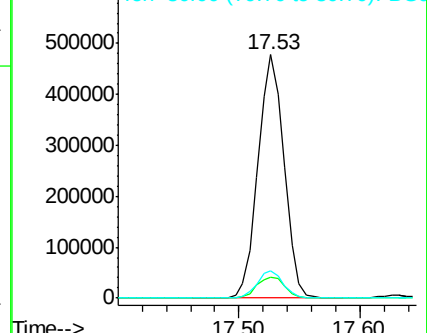
80 11.3 7.2 10.8#

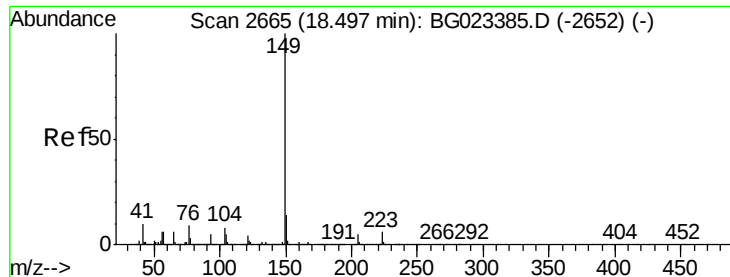


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

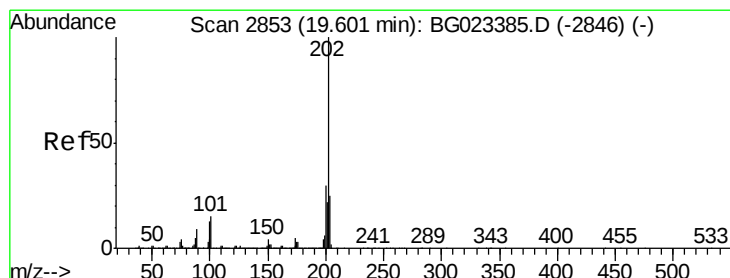
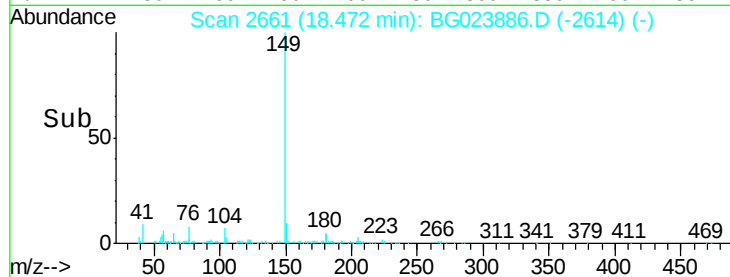
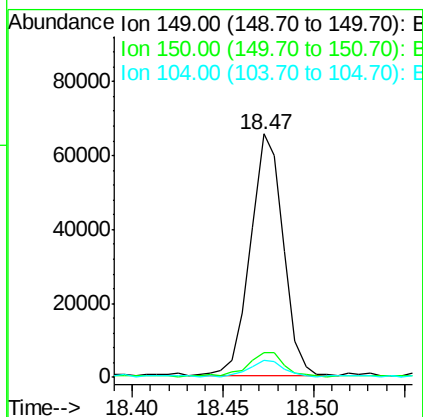
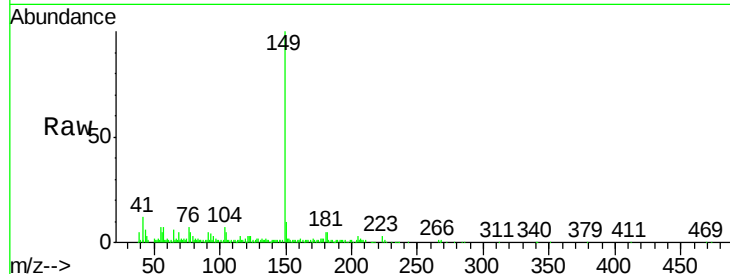




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.47 min Scan# 2661
Delta R.T. -0.02 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

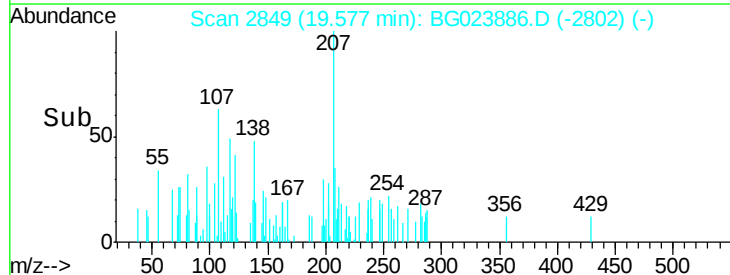
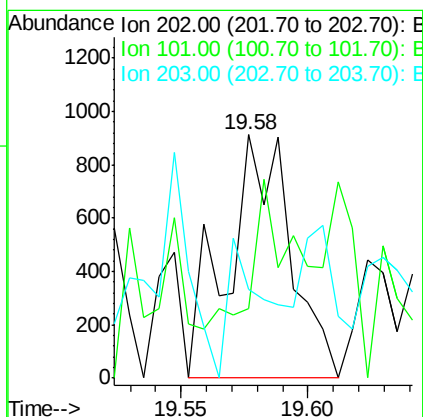
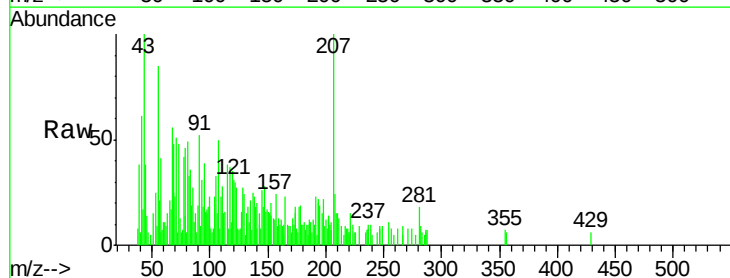
Instrument :
BNA_G
ClientSampleId :
MW-2

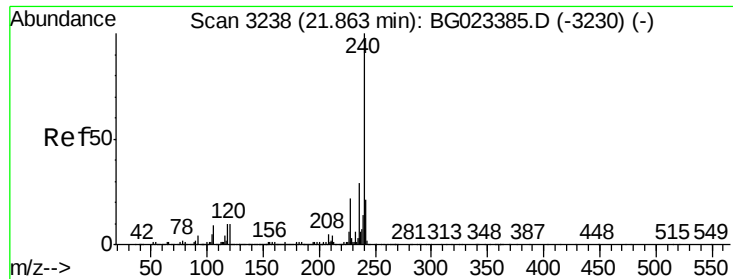
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	9.1	13.7
104	6.8	6.9	10.3#



#74
Fluoranthene
Concen: Below Cal
RT: 19.58 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG023886.D
Acq: 24 Aug 2016 16:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	28.8	0.0	27.4#
203	36.7	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

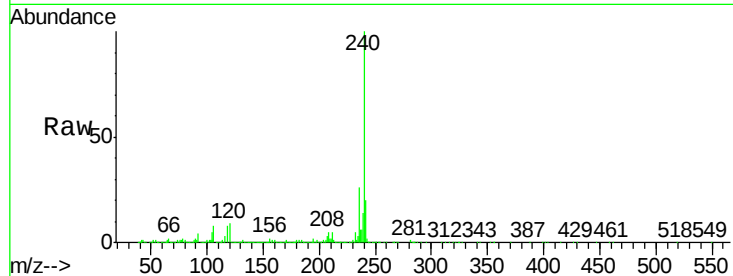
Tgt Ion:240 Resp: 787425

Ion Ratio Lower Upper

240 100

120 9.1 4.1 6.1#

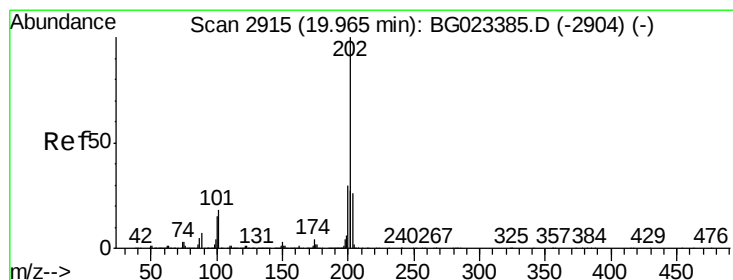
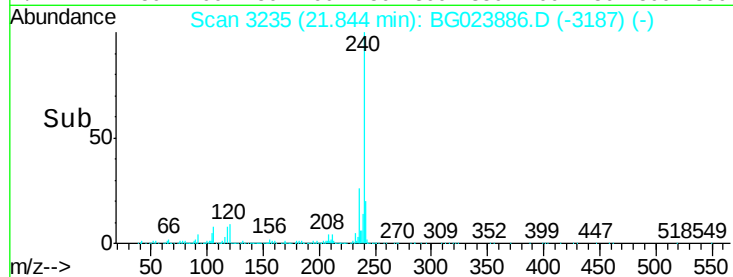
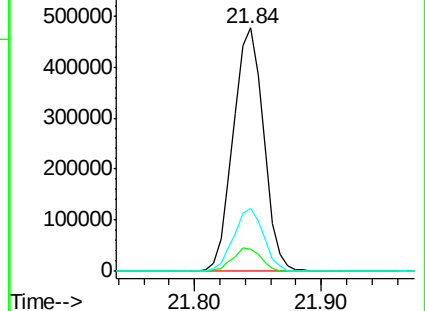
236 26.1 21.1 31.7



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: BG023886.D

Acq: 24 Aug 2016 16:13

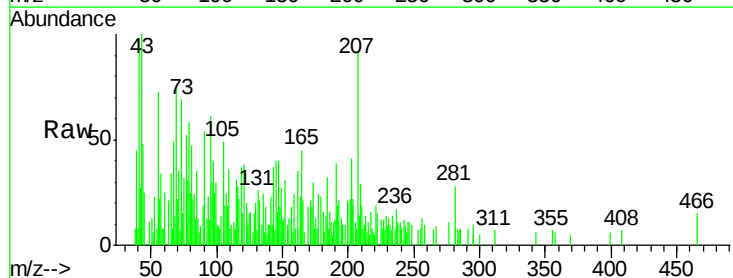
Tgt Ion:202 Resp: 1884

Ion Ratio Lower Upper

202 100

200 51.1 21.2 31.8#

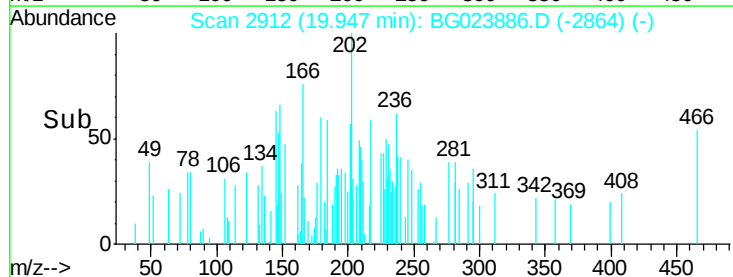
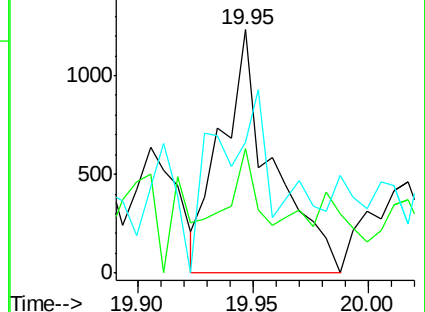
203 53.8 16.8 25.2#

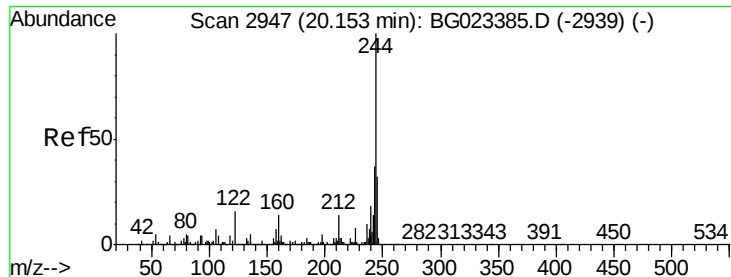


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.50 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

Instrument :

BNA_G

ClientSampleId :

MW-2

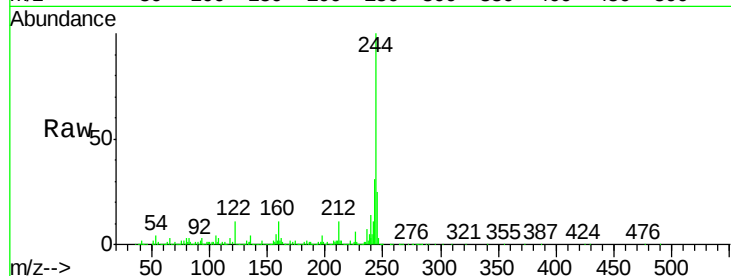
Tgt Ion:244 Resp: 2323999

Ion Ratio Lower Upper

244 100

212 11.4 10.8 16.2

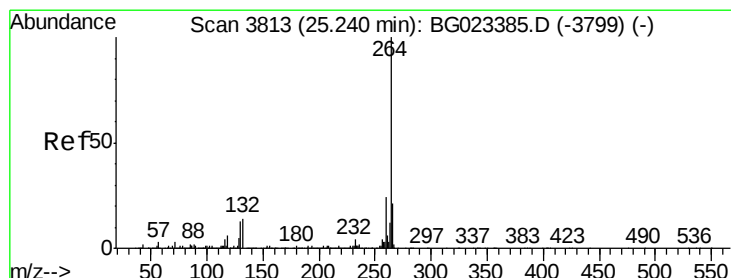
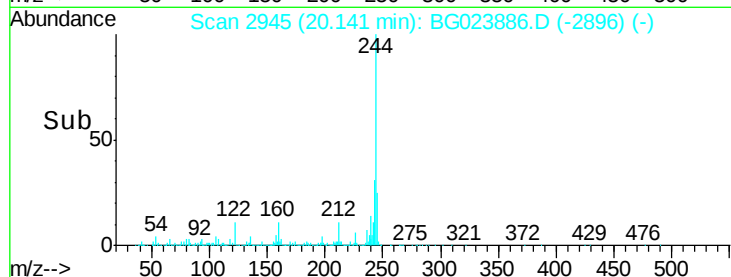
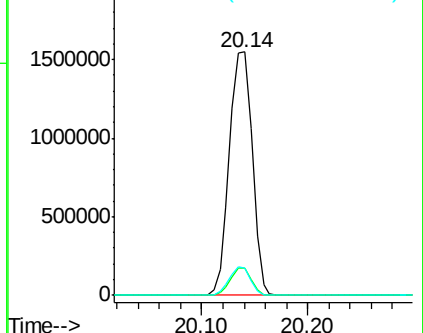
122 11.3 8.0 12.0



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: 25.23 min Scan# 3811

Delta R.T. -0.01 min

Lab File: BG023886.D

Acq: 24 Aug 2016 16:13

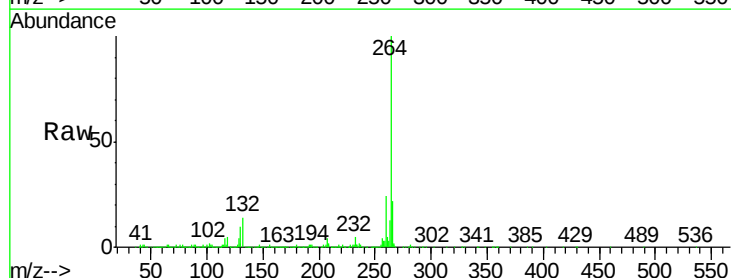
Tgt Ion:264 Resp: 789606

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.7 18.9 28.3



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

