

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
 Data File : BG023091.D
 Acq On : 14 Jul 2016 6:33
 Operator : UM/SJ
 Sample : H4014-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216

Quant Time: Jul 14 07:36:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

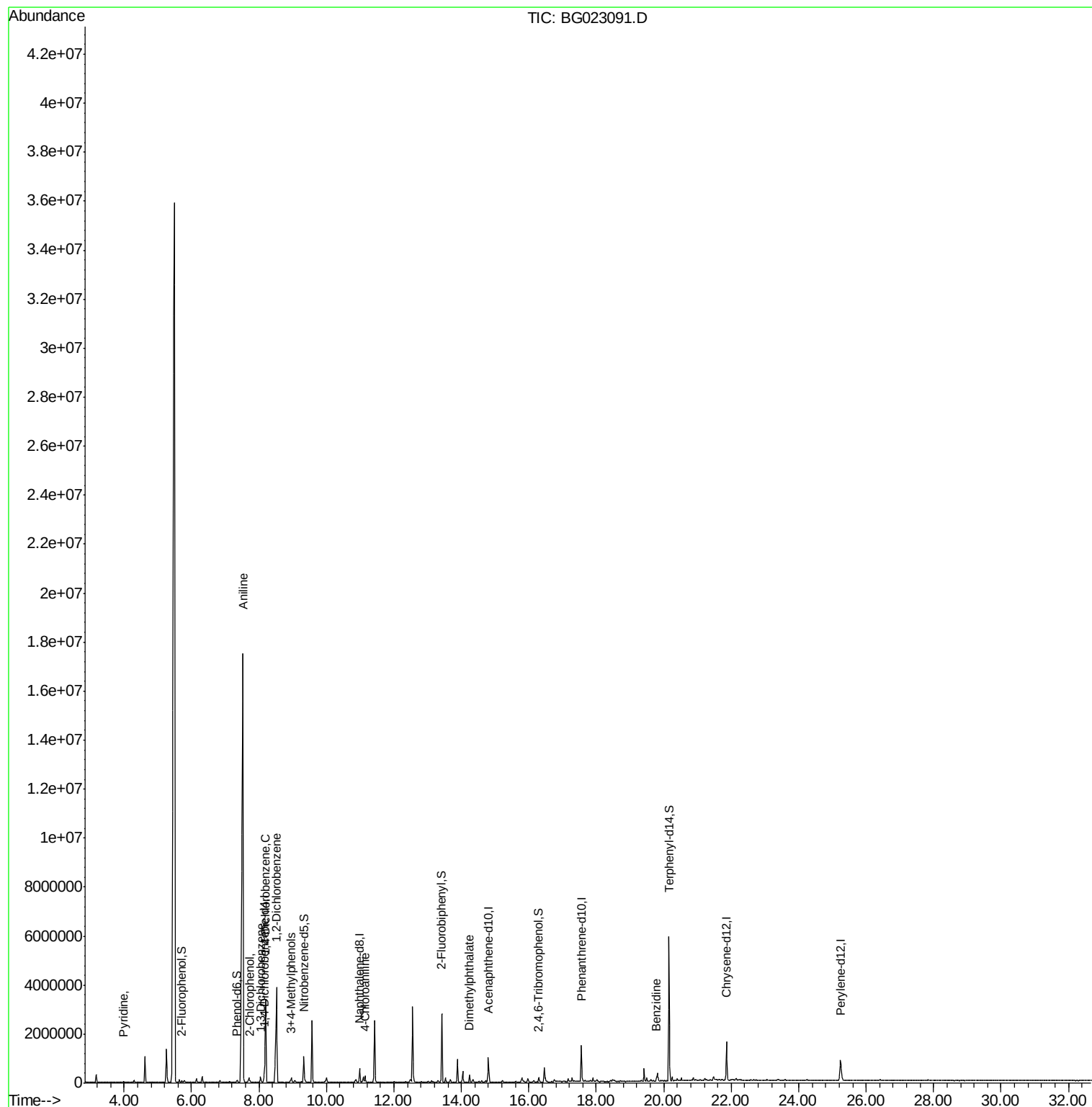
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	102348	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	468412	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	352709	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	875585	20.00	ng	0.00
75) Chrysene-d12	21.86	240	983969	20.00	ng	0.01
86) Perylene-d12	25.24	264	987861	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	30942m	4.94	ng	0.00
7) Phenol-d6	7.35	99	51580	5.26	ng	0.04
23) Nitrobenzene-d5	9.33	82	671942	61.42	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	34011	5.37	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1395934	62.34	ng	0.00
78) Terphenyl-d14	20.16	244	2367688	71.97	ng	0.00
Target Compounds						
3) Pyridine	3.99	79	23609	2.84	ng	# 81
6) Aniline	7.53	93	10433408	768.11	ng	# 25
8) 2-Chlorophenol	7.73	128	21884	3.29	ng	95
12) 1,3-Dichlorobenzene	8.05	146	85424	10.48	ng	95
13) 1,4-Dichlorobenzene	8.20	146	1270311	155.66	ng	97
14) 1,2-Dichlorobenzene	8.52	146	1482620	182.74	ng	98
20) 3+4-Methylphenols	8.96	107	88131	9.63	ng	# 50
33) 4-Chloroaniline	11.14	127	125857	10.79	ng	97
49) Dimethylphthalate	14.24	163	148652	5.16	ng	99
76) Benzidine	19.78	184	114248	4.05	ng	98

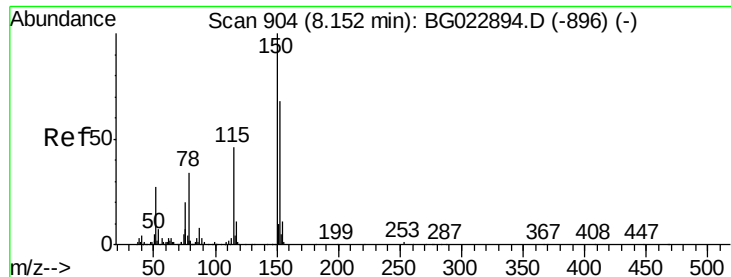
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216

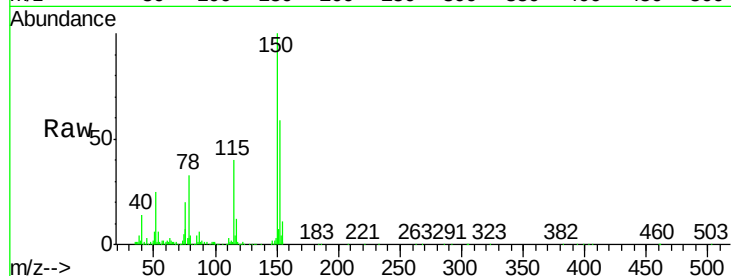
Tot Ion:152 Resp: 102348

Ion Ratio Lower Upper

152 100

150 170.1 144.7 217.1

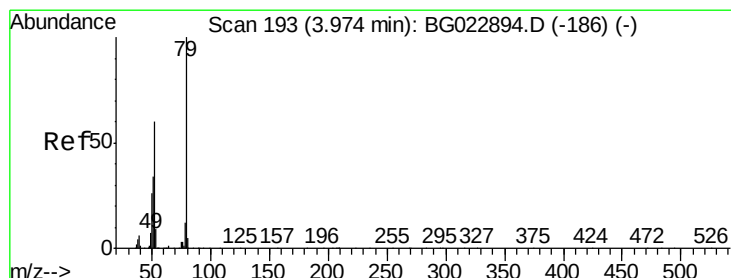
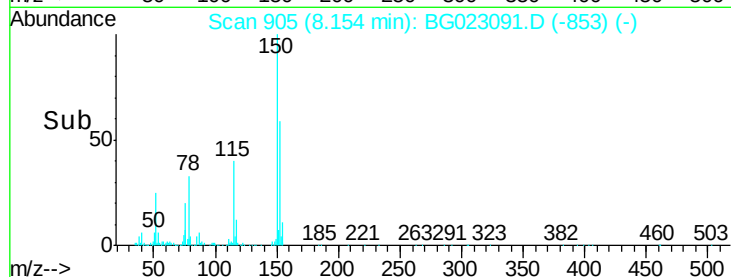
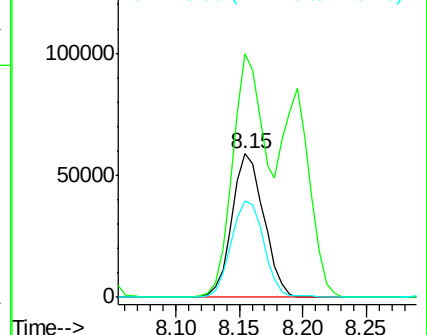
115 67.3 64.0 96.0



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



#3

Pyridine

Concen: 2.84 ng

RT: 3.99 min Scan# 196

Delta R.T. 0.01 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

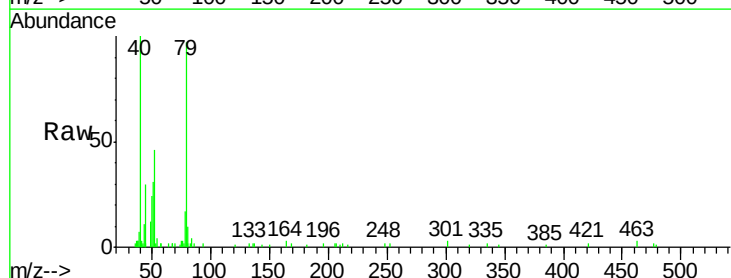
Tgt Ion: 79 Resp: 23609

Ion Ratio Lower Upper

79 100

52 47.2 51.8 77.8#

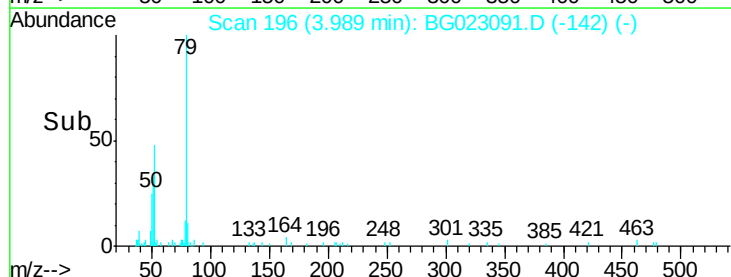
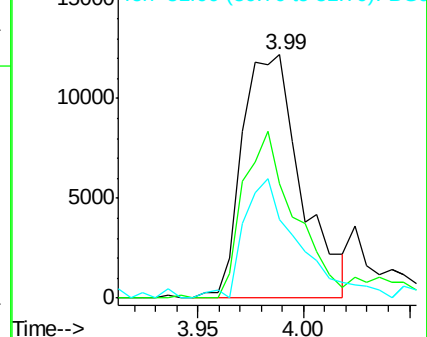
51 32.0 32.7 49.1#

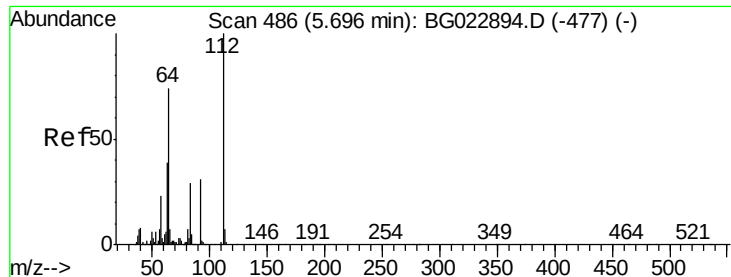


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 4.94 ng/mL

RT: 5.70 min Scan# 488

Delta R.T. 0.01 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleID :

SYSDIS-071216

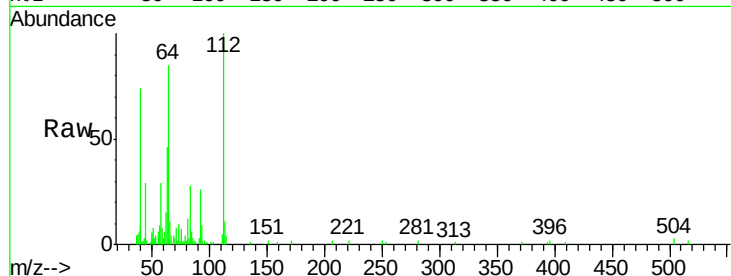
Tot Ion: 112 Resp: 30942

Ion Ratio Lower Upper

112 100

64 84.7 59.0 88.4

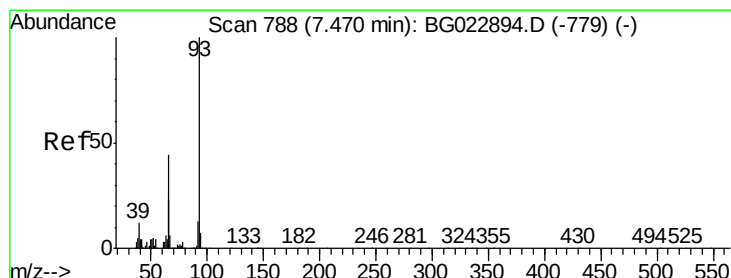
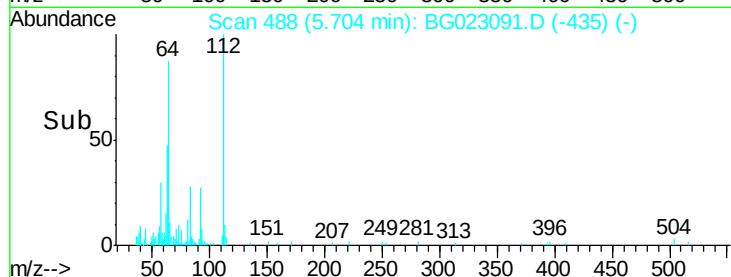
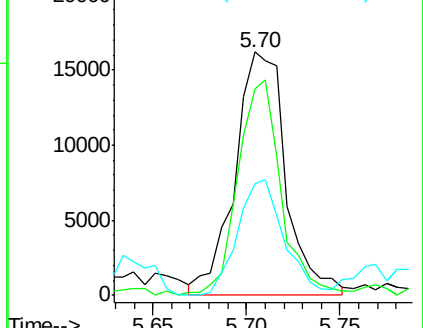
63 46.0 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 768.11 ng

RT: 7.53 min Scan# 798

Delta R.T. 0.06 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

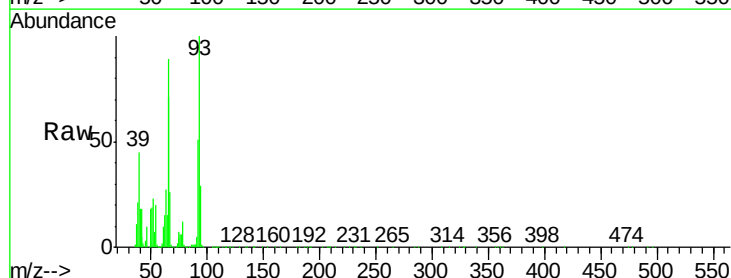
Tgt Ion: 93 Resp: 10433408

Ion Ratio Lower Upper

93 100

66 88.6 37.5 56.3#

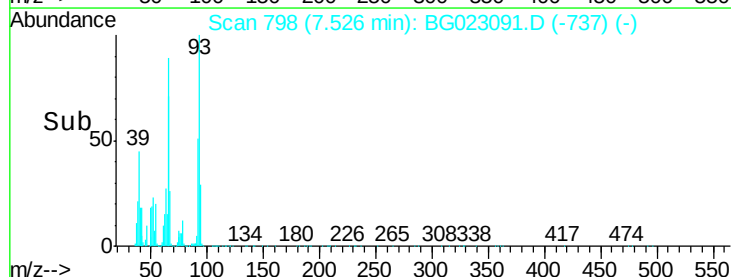
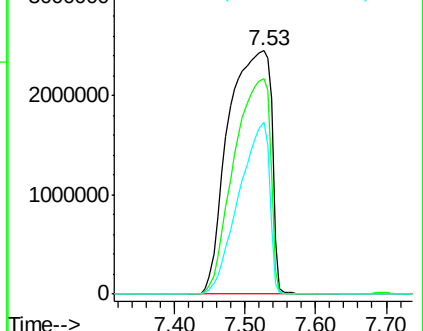
65 70.6 17.9 26.9#

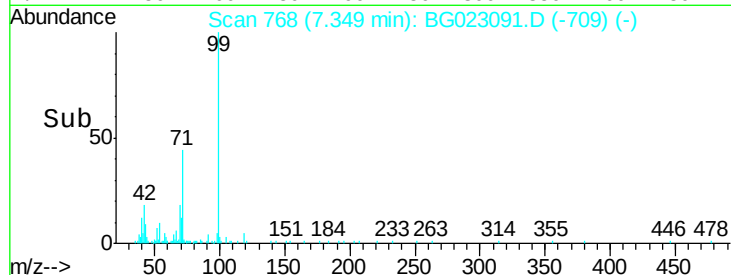
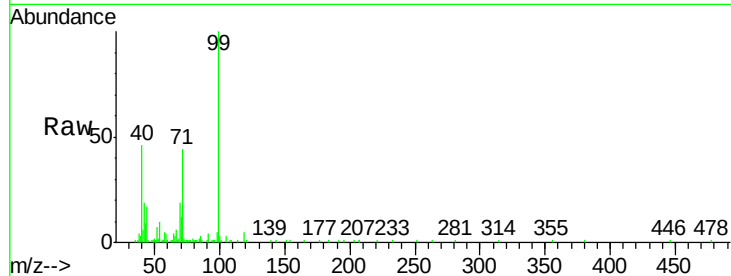
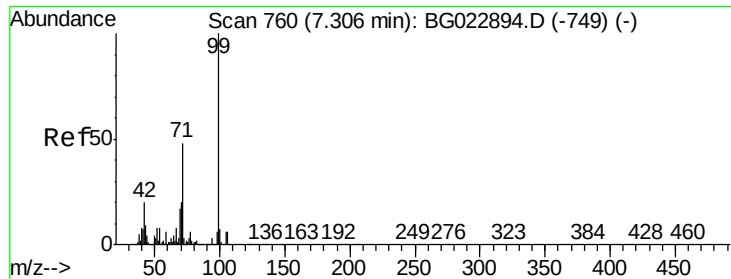


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 5.26 ng

RT: 7.35 min Scan# 768

Delta R.T. 0.04 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216

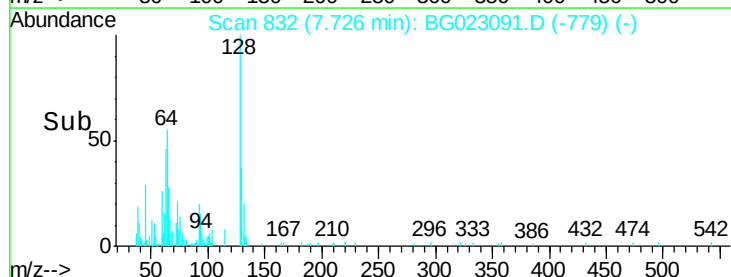
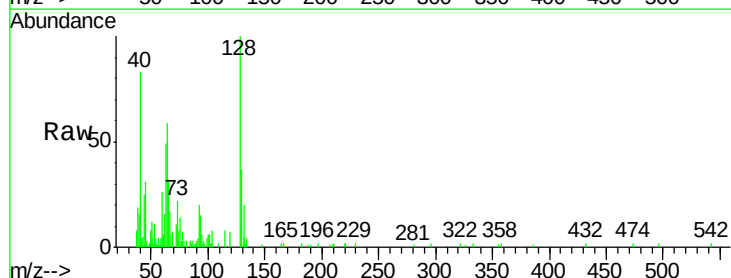
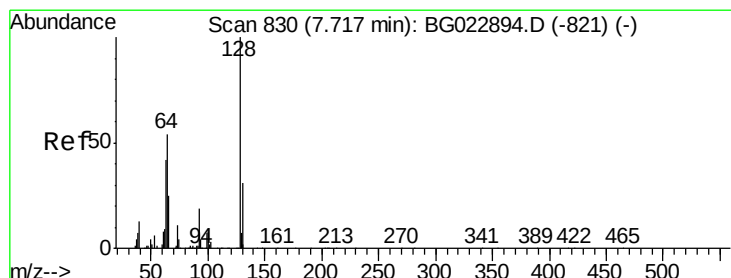
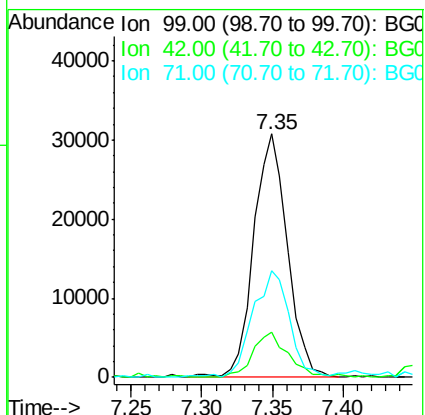
Tot Ion: 99 Resp: 51580

Ion Ratio Lower Upper

99 100

42 18.6 17.8 26.6

71 44.0 41.5 62.3



#8

2-Chlorophenol

Concen: 3.29 ng

RT: 7.73 min Scan# 832

Delta R.T. 0.01 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

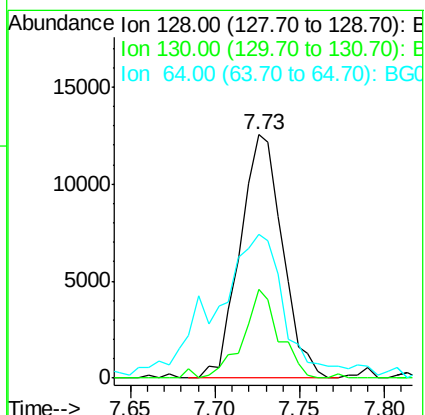
Tgt Ion:128 Resp: 21884

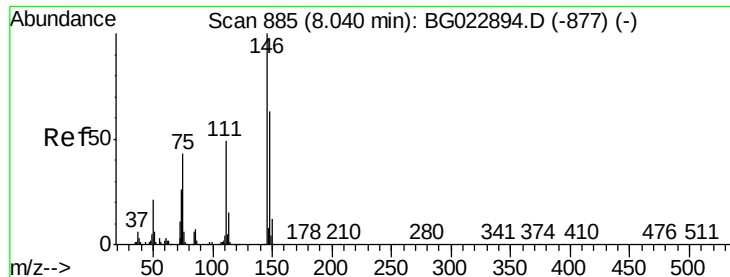
Ion Ratio Lower Upper

128 100

130 36.6 12.9 52.9

64 59.3 42.0 82.0

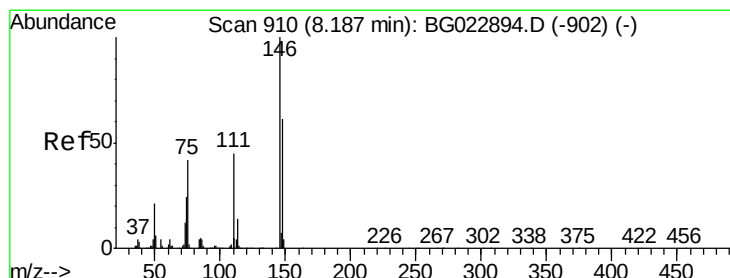
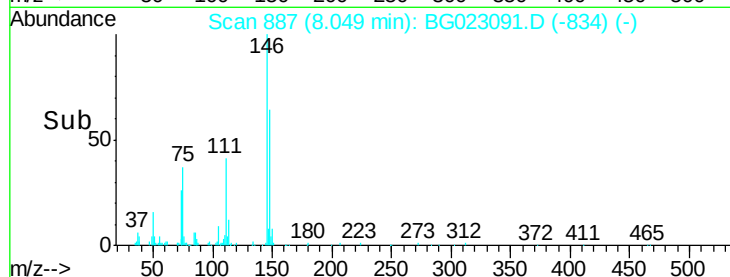
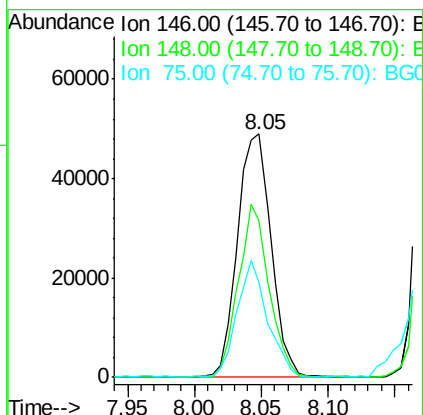
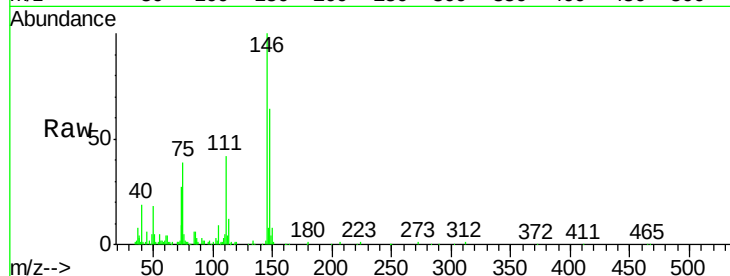




#12
 1,3-Dichlorobenzene
 Concen: 10.48 ng
 RT: 8.05 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

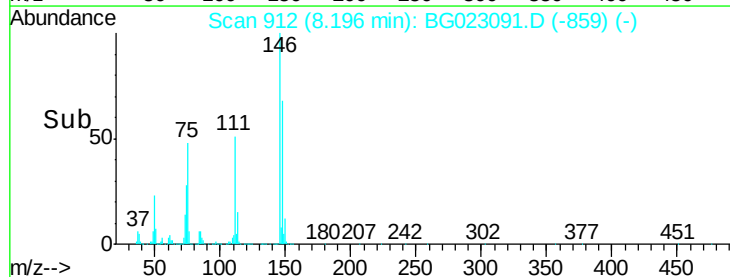
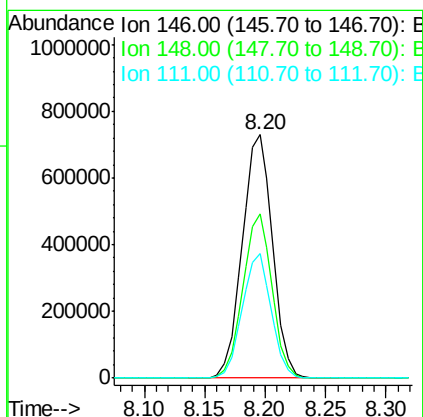
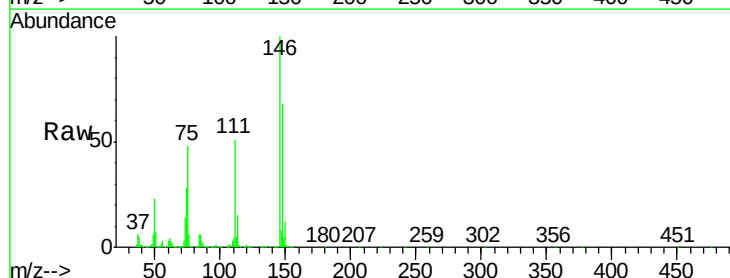
Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216

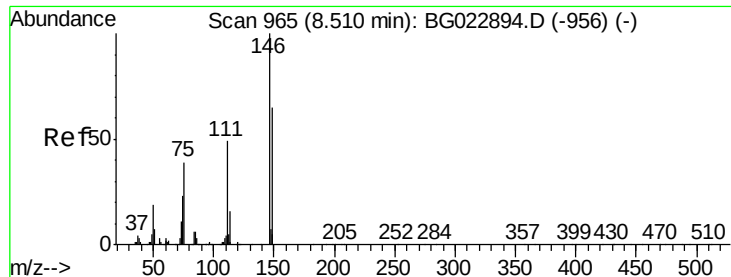
Tot Ion:146 Resp: 85424
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.3 75.5
 75 39.2 37.0 55.6



#13
 1,4-Dichlorobenzene
 Concen: 155.66 ng
 RT: 8.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

Tgt Ion:146 Resp: 1270311
 Ion Ratio Lower Upper
 146 100
 148 67.5 54.5 81.7
 111 51.3 37.8 56.8

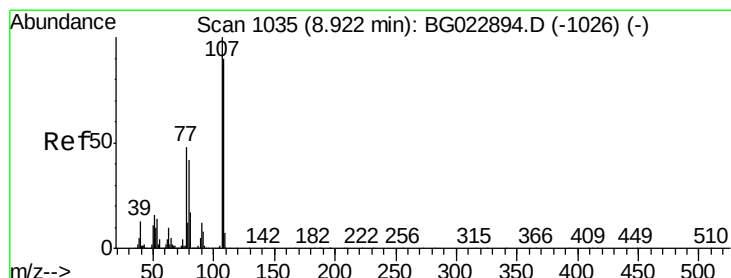
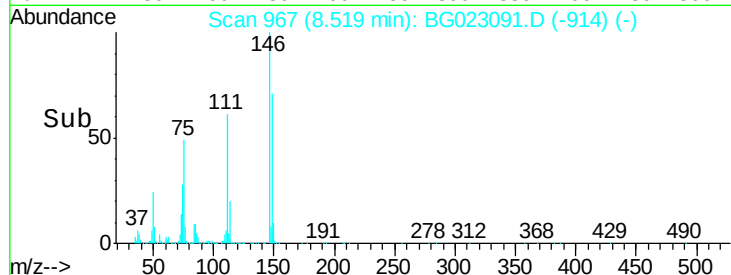
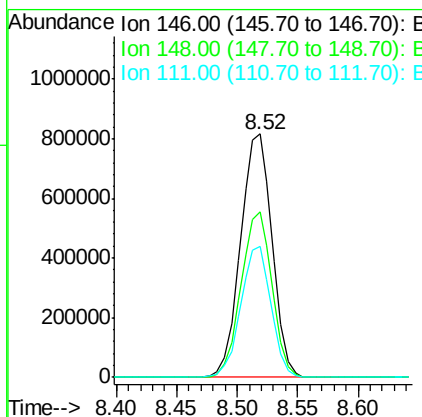
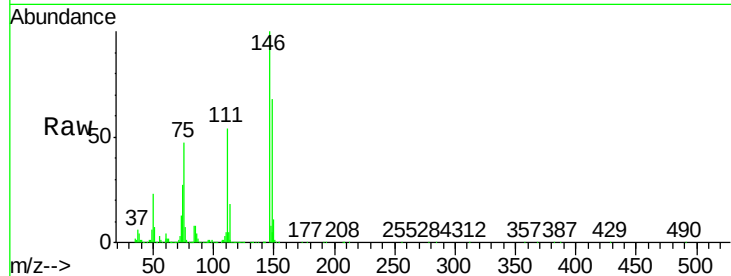




#14
 1,2-Dichlorobenzene
 Concen: 182.74 ng
 RT: 8.52 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

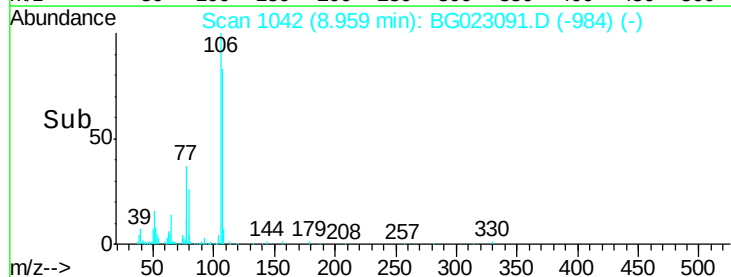
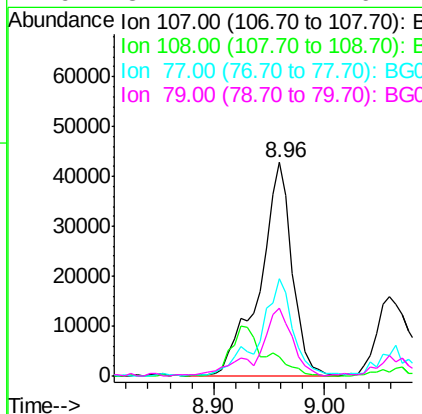
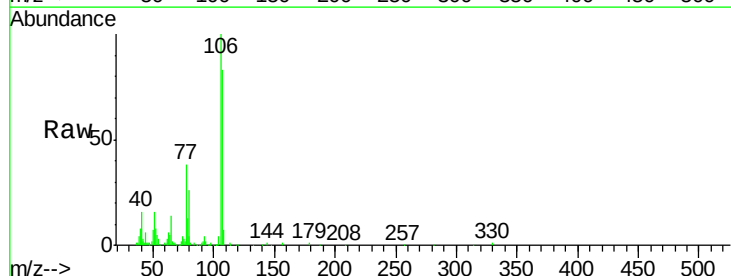
Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216

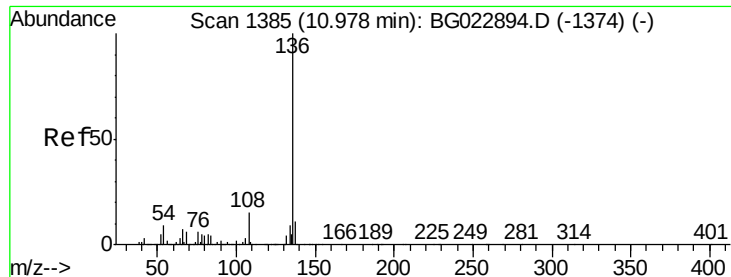
Tot Ion:146 Resp: 1482620
 Ion Ratio Lower Upper
 146 100
 148 67.9 52.9 79.3
 111 53.9 43.5 65.3



#20
 3+4-Methylphenols
 Concen: 9.63 ng
 RT: 8.96 min Scan# 1042
 Delta R.T. 0.04 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

Tgt Ion:107 Resp: 88131
 Ion Ratio Lower Upper
 107 100
 108 9.0 72.5 112.5#
 77 45.5 30.1 70.1
 79 31.7 24.2 64.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216

Tot Ion:136 Resp: 468412

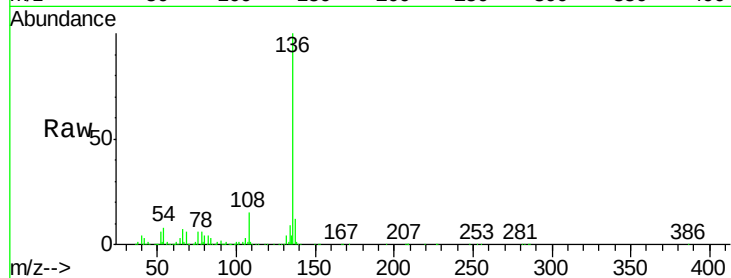
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 8.3 7.3 10.9

68 6.2 5.3 7.9

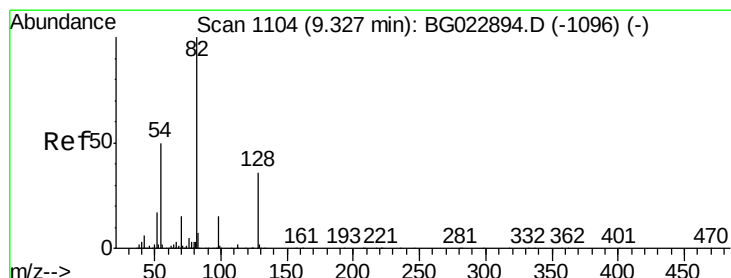
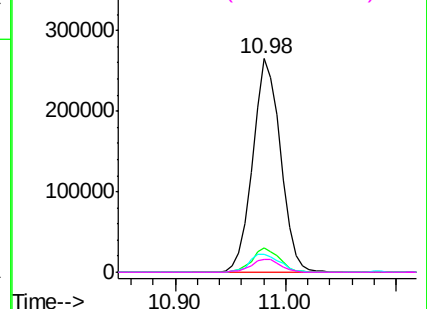
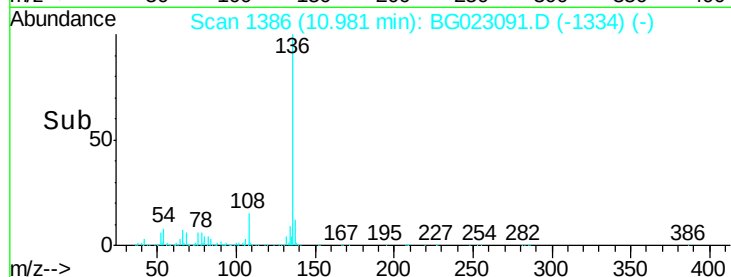


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 61.42 ng

RT: 9.33 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

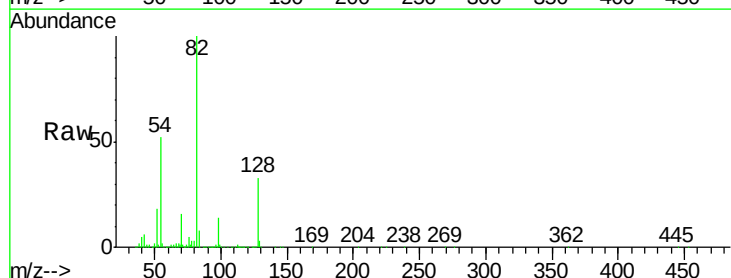
Tgt Ion: 82 Resp: 671942

Ion Ratio Lower Upper

82 100

128 32.9 24.4 36.6

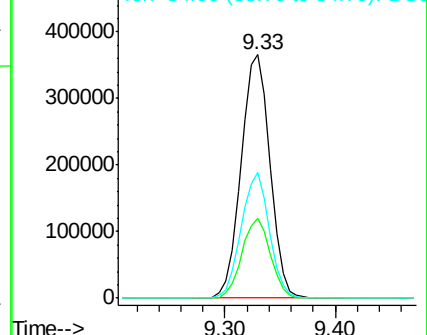
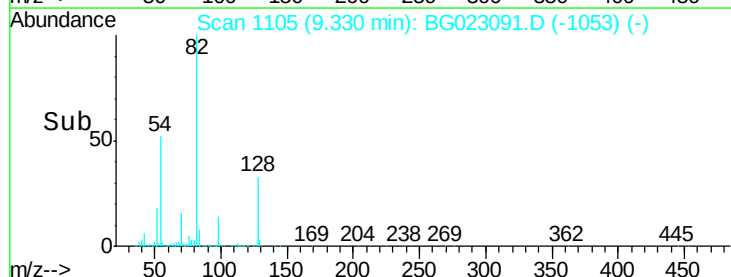
54 51.6 41.4 62.0

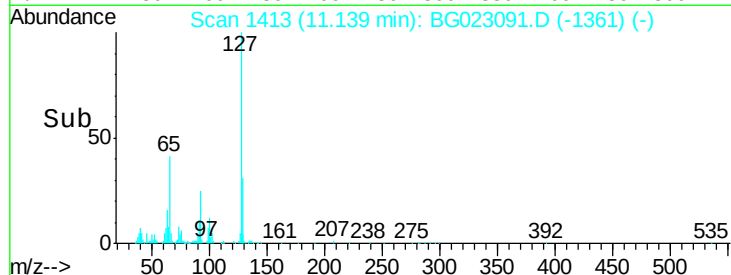
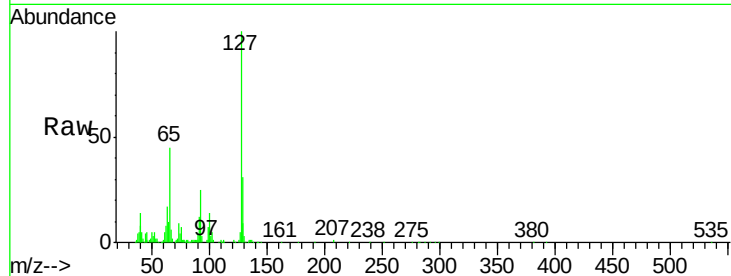
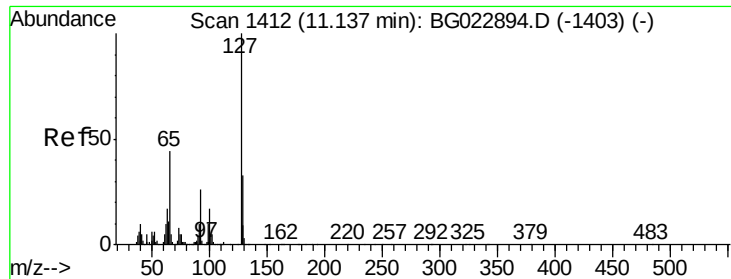


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

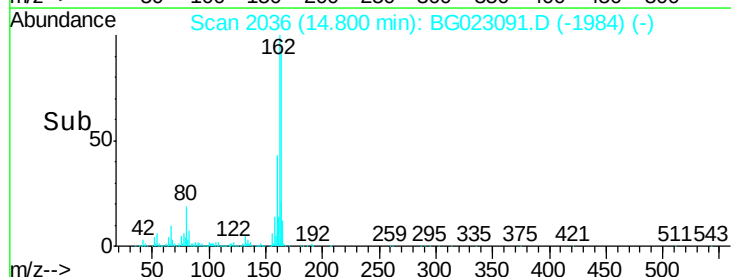
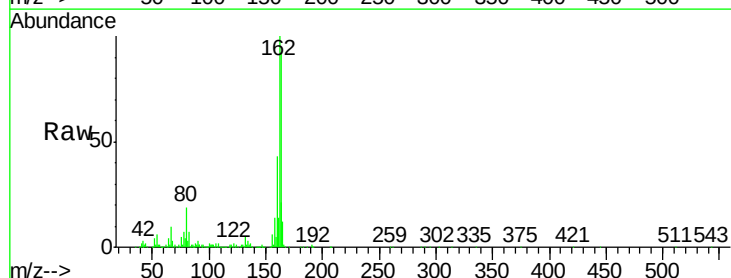
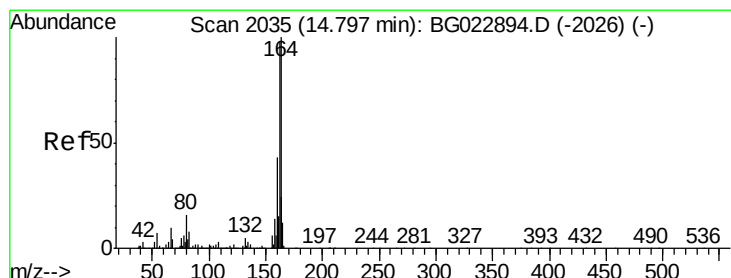
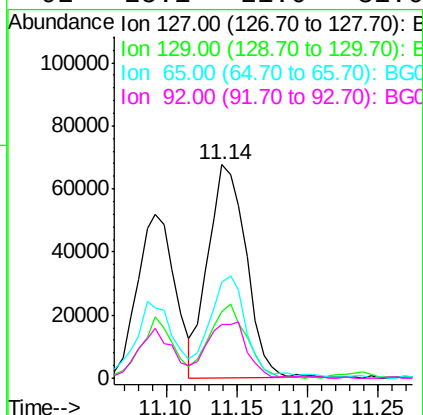




#33
4-Chloroaniline
Concen: 10.79 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BG023091.D
Acq: 14 Jul 2016 6:33

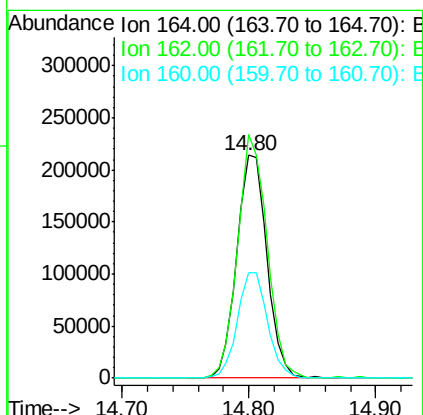
Instrument :
BNA_G
ClientSampleId :
SYSDIS-071216

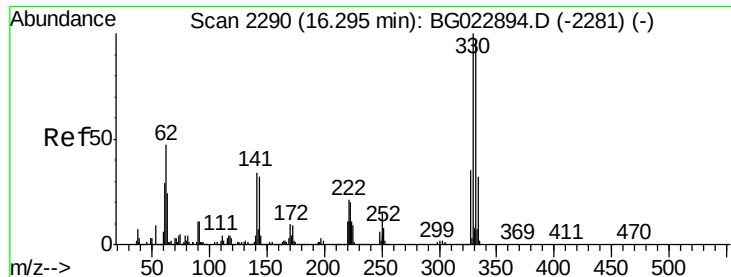
Tot Ion:	127	Resp:	125857
Ion	Ratio	Lower	Upper
127	100		
129	31.0	27.9	41.9
65	44.9	36.8	55.2
92	25.1	21.0	31.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BG023091.D
Acq: 14 Jul 2016 6:33

Tgt Ion:	164	Resp:	352709
Ion	Ratio	Lower	Upper
164	100		
162	109.3	87.7	131.5
160	47.0	37.2	55.8

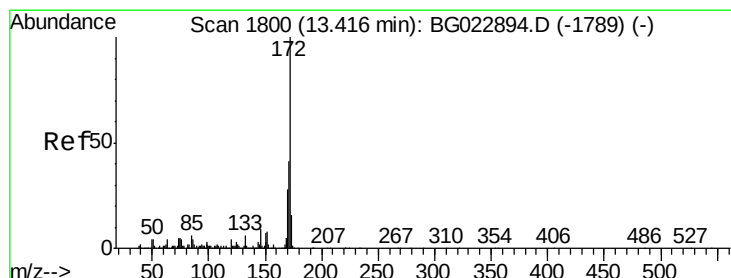
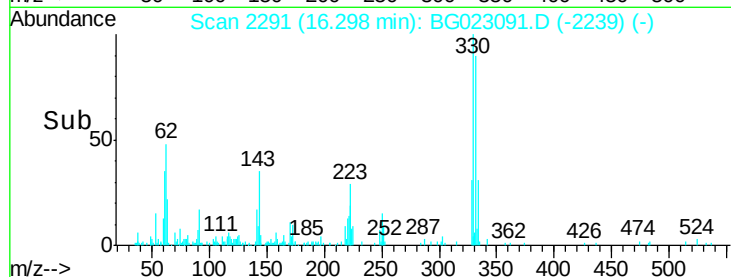
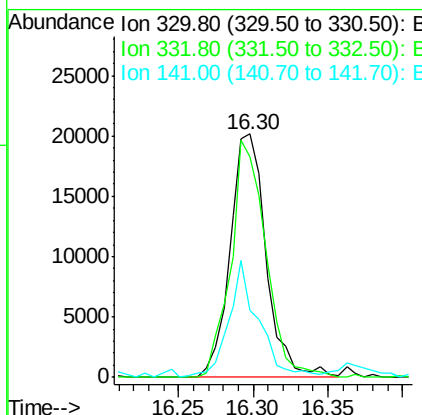
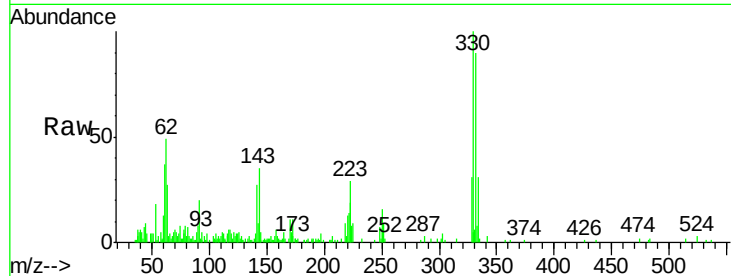




#41
 2,4,6-Tribromophenol
 Concen: 5.37 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

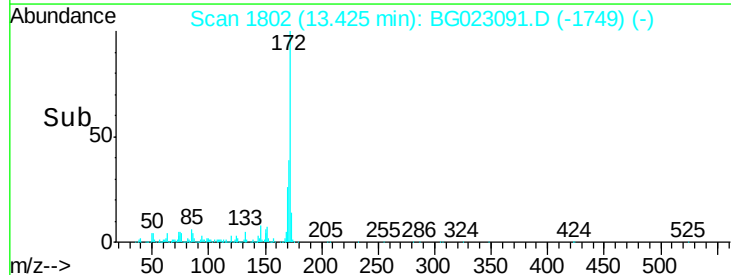
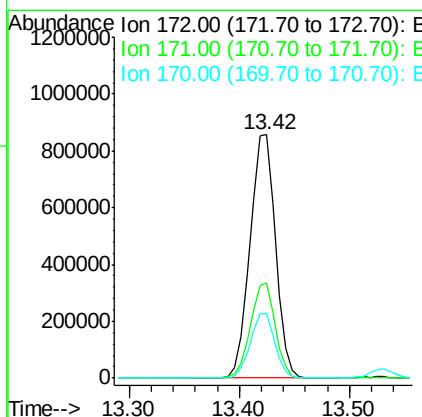
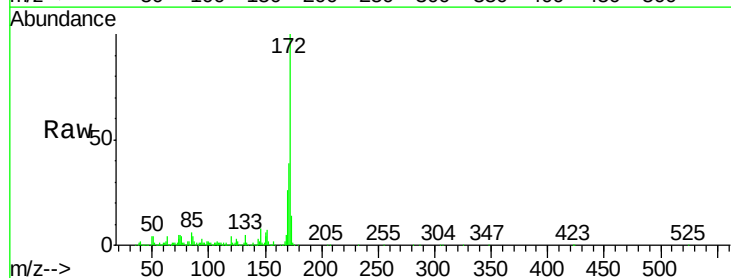
Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216

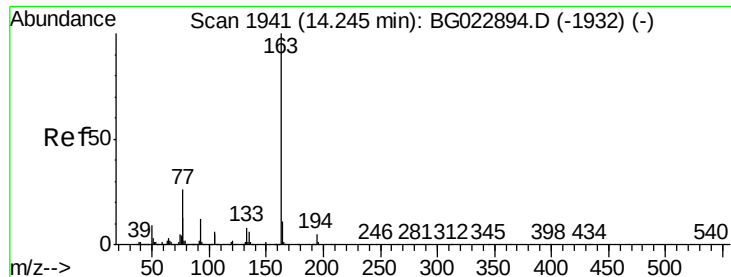
Tot Ion:330 Resp: 34011
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.2
 141 39.7 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 62.34 ng
 RT: 13.42 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

Tgt Ion:172 Resp: 1395934
 Ion Ratio Lower Upper
 172 100
 171 39.1 31.6 47.4
 170 26.2 21.3 31.9





#49

Dimethylphthalate

Concen: 5.16 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216

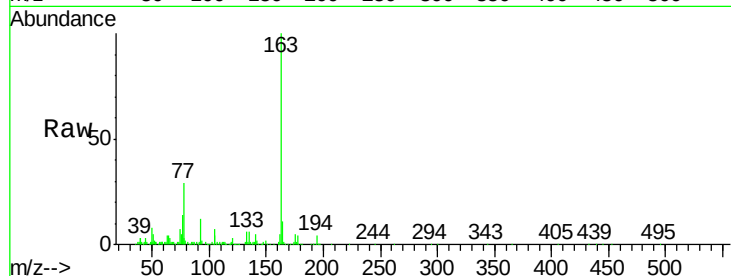
Tot Ion:163 Resp: 148652

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

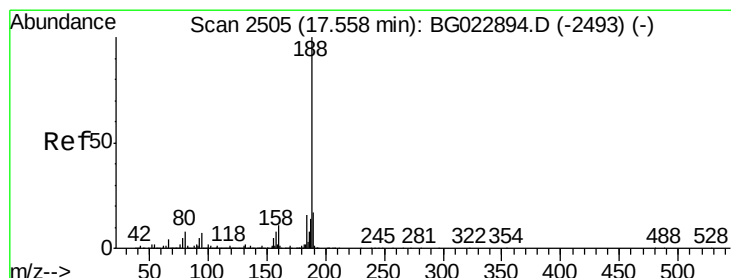
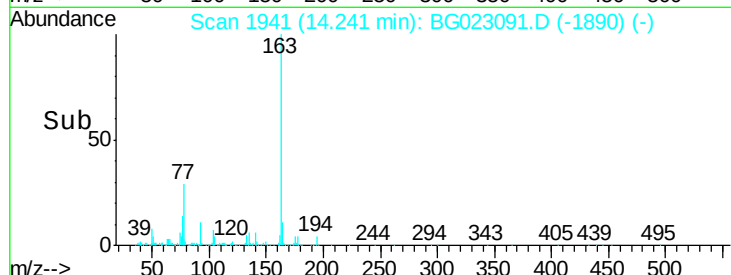
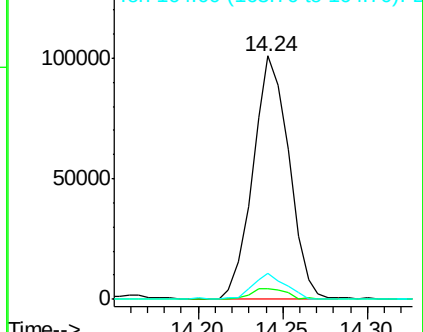
164 10.6 8.1 12.1



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: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

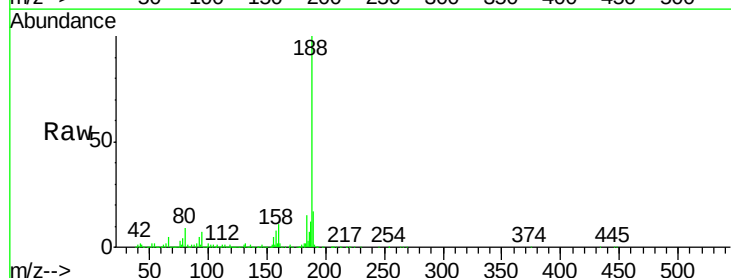
Tgt Ion:188 Resp: 875585

Ion Ratio Lower Upper

188 100

94 7.1 5.2 7.8

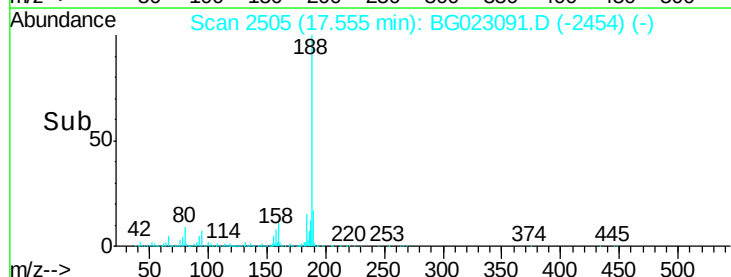
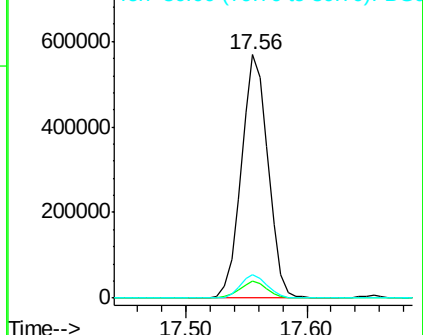
80 9.4 7.2 10.8

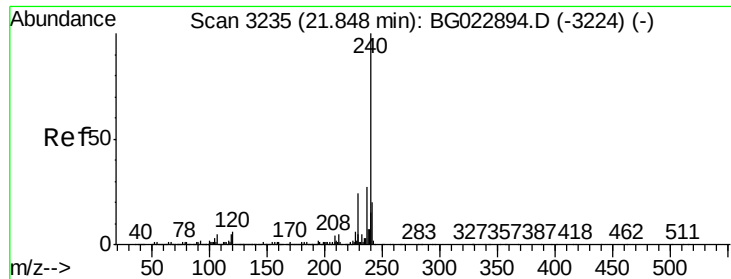


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

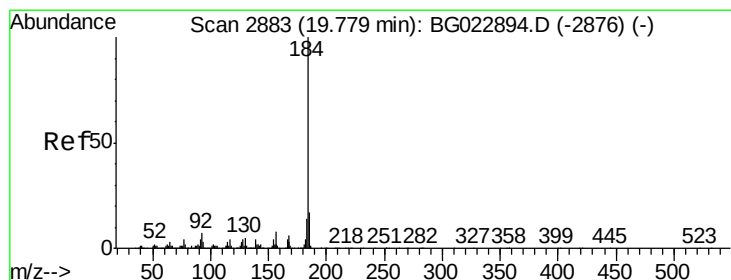
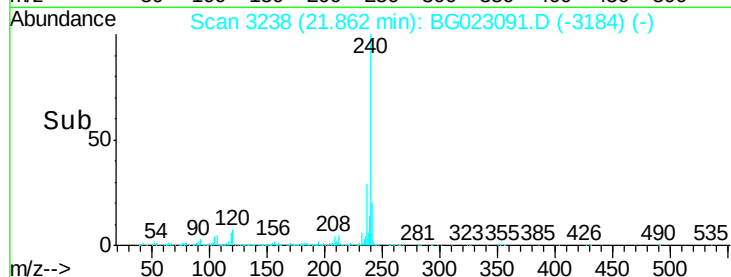
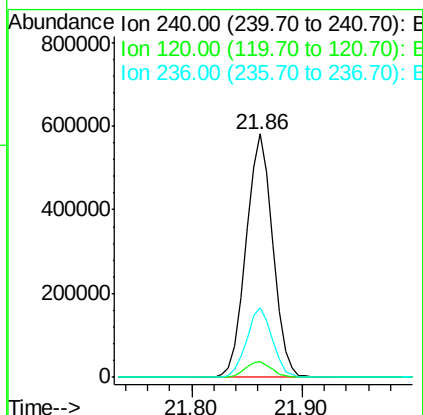
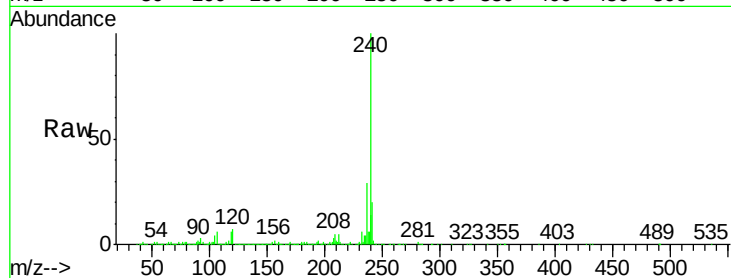




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.86 min Scan# 3238
 Delta R.T. 0.01 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

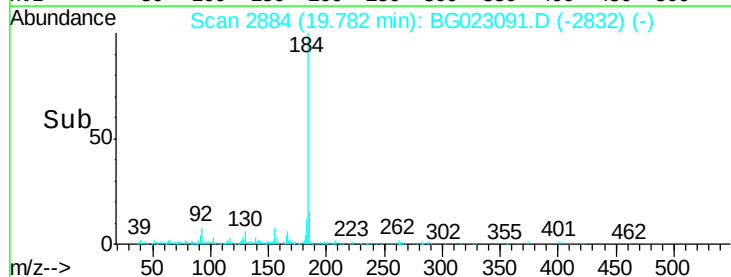
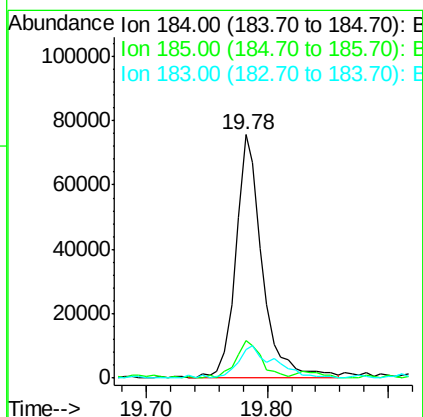
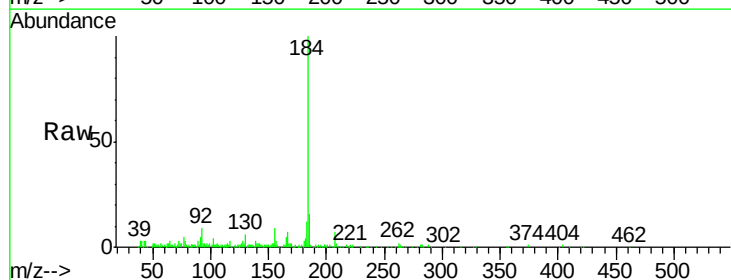
Instrument :
 BNA_G
 ClientSampleId :
 SYSDIS-071216

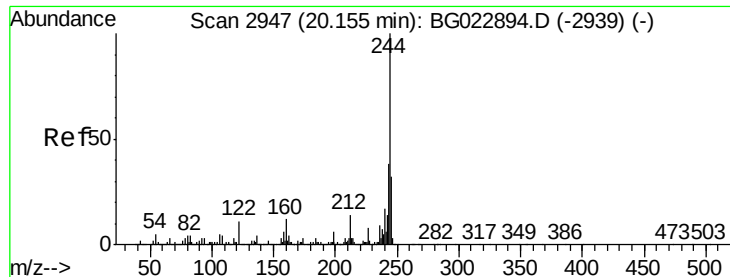
Tot Ion:240 Resp: 983969
 Ion Ratio Lower Upper
 240 100
 120 6.5 4.1 6.1#
 236 28.6 21.1 31.7



#76
 Benzidine
 Concen: 4.05 ng
 RT: 19.78 min Scan# 2884
 Delta R.T. 0.00 min
 Lab File: BG023091.D
 Acq: 14 Jul 2016 6:33

Tgt Ion:184 Resp: 114248
 Ion Ratio Lower Upper
 184 100
 185 15.6 12.6 19.0
 183 11.6 10.7 16.1





#78

Terphenyl-d14

Concen: 71.97 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

Instrument :

BNA_G

ClientSampleId :

SYSDIS-071216

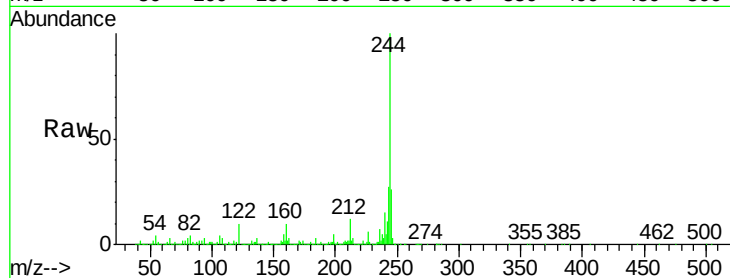
Tot Ion:244 Resp: 2367688

Ion Ratio Lower Upper

244 100

212 12.0 10.8 16.2

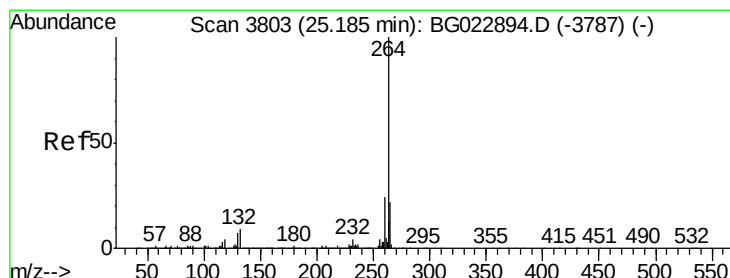
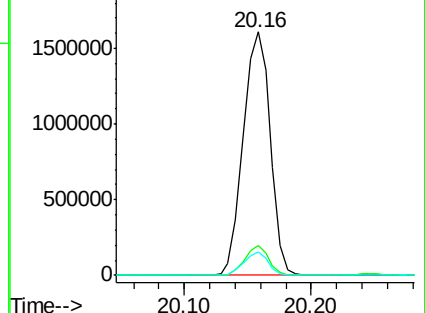
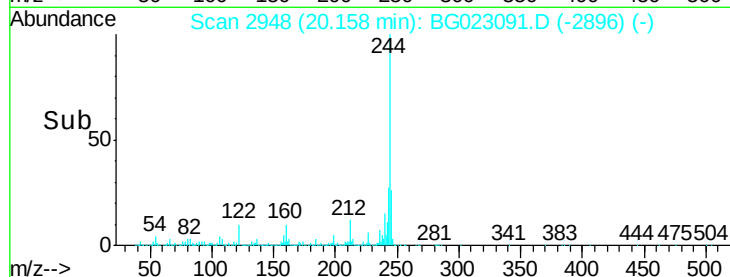
122 9.6 8.0 12.0



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: 25.24 min Scan# 3813

Delta R.T. 0.06 min

Lab File: BG023091.D

Acq: 14 Jul 2016 6:33

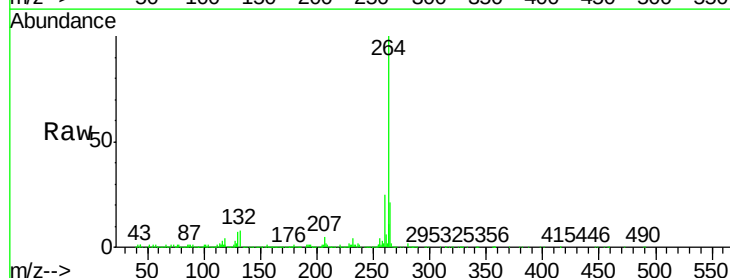
Tgt Ion:264 Resp: 987861

Ion Ratio Lower Upper

264 100

260 24.8 18.4 27.6

265 21.1 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

