

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080316\
 Data File : BG023426.D
 Acq On : 3 Aug 2016 15:17
 Operator : UM/SJ
 Sample : H4287-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-61-7.0-8.0

Quant Time: Aug 04 02:31:07 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

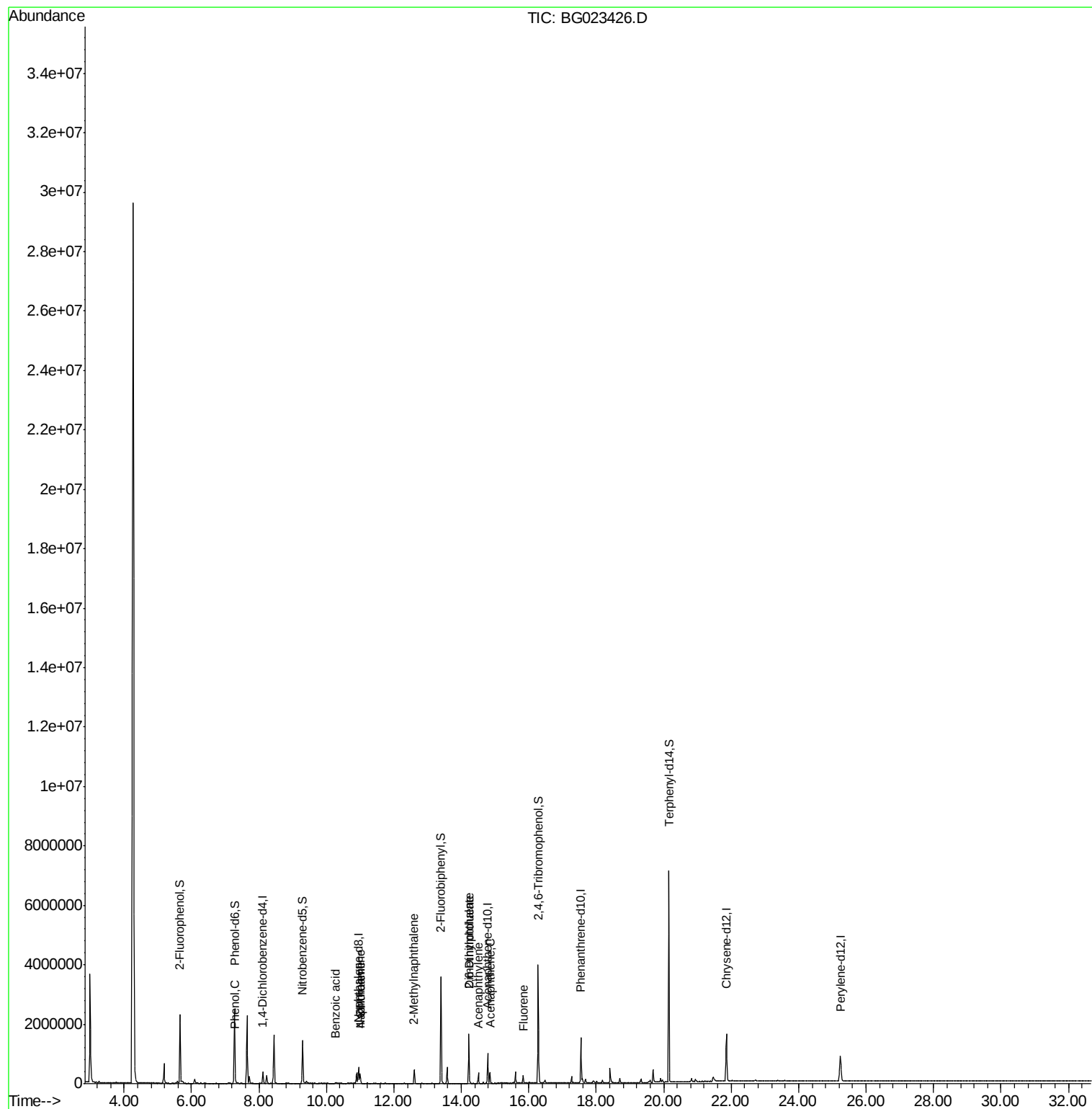
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	107527	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	473884	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	339353	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	890601	20.00	ng	0.00
75) Chrysene-d12	21.86	240	981529	20.00	ng	0.00
86) Perylene-d12	25.24	264	938780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	962055	150.60	ng	0.00
7) Phenol-d6	7.27	99	1452001	145.94	ng	0.00
23) Nitrobenzene-d5	9.29	82	970970	101.86	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	721471	145.35	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	1853763	92.14	ng	0.00
78) Terphenyl-d14	20.15	244	2831972	91.83	ng	0.00
Target Compounds						
9) Benzaldehyde	7.26	77	3634	Below Cal	#	55
10) Phenol	7.30	94	23245	2.18	ng	90
31) Naphthalene	11.00	128	286275	11.86	ng	95
32) Benzoic acid	10.27	122	104	6.46	ng	# 1
33) 4-Chloroaniline	11.00	127	39616	3.43	ng	# 36
37) 2-Methylnaphthalene	12.60	142	225099	12.27	ng	# 91
48) Acenaphthylene	14.50	152	256511	8.09	ng	98
49) Dimethylphthalate	14.22	163	1023263	39.30	ng	98
50) 2,6-Dinitrotoluene	14.22	165	13559	2.20	ng	# 30
51) Acenaphthene	14.85	154	141758	7.05	ng	97
57) Fluorene	15.83	166	106435	4.18	ng	95
73) Di-n-butylphthalate	18.49	149	6669	Below Cal	#	93
74) Fluoranthene	19.60	202	48858	Below Cal		92
77) Pyrene	19.96	202	44695	Below Cal	#	86

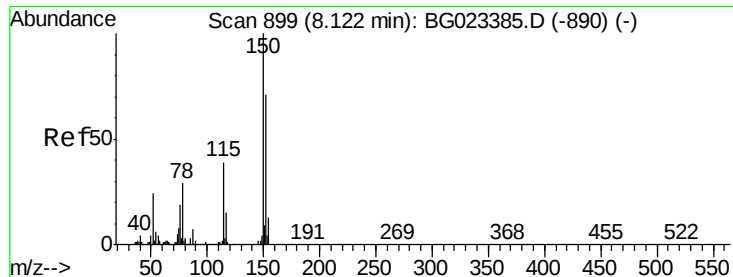
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.01 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

Instrument :

BNA_G

ClientSampleId :

SB-61-7.0-8.0

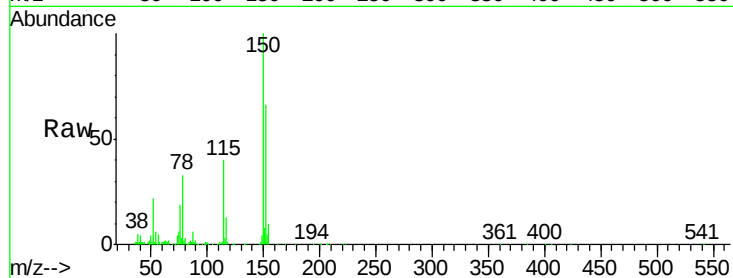
Tgt Ion:152 Resp: 107527

Ion Ratio Lower Upper

152 100

150 151.8 144.7 217.1

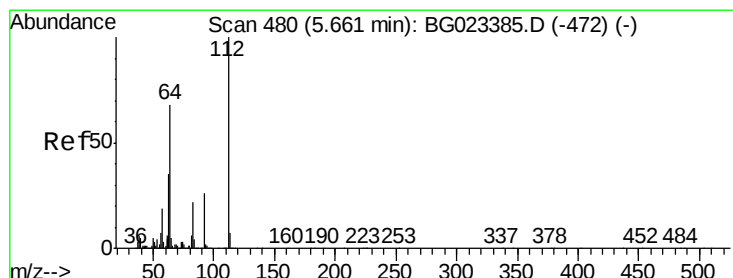
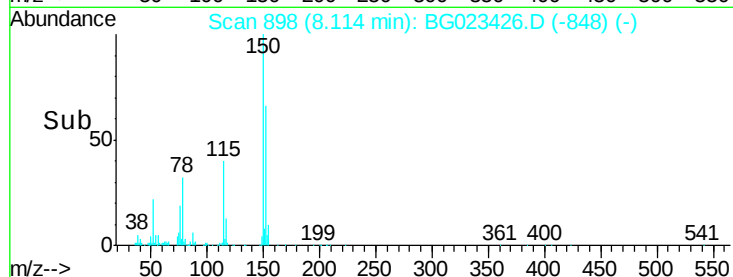
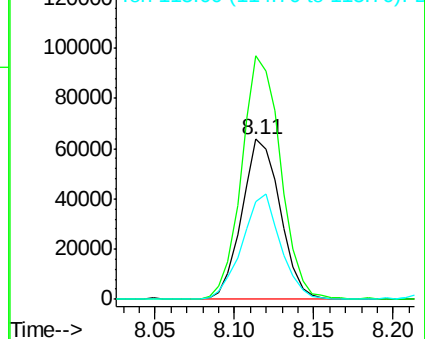
115 60.6 64.0 96.0#



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: 150.60 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.00 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

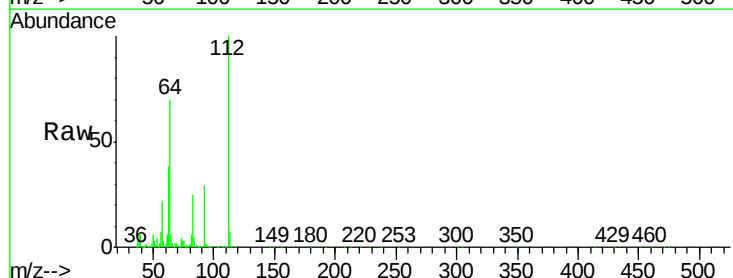
Tgt Ion:112 Resp: 962055

Ion Ratio Lower Upper

112 100

64 69.9 59.0 88.4

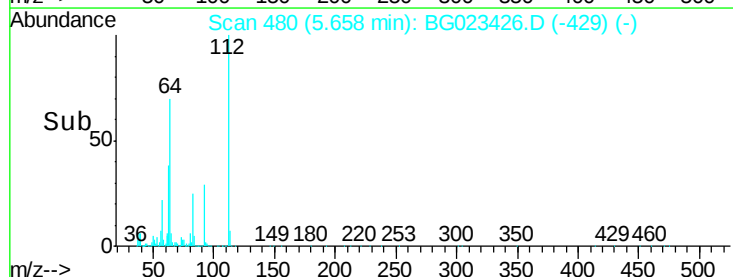
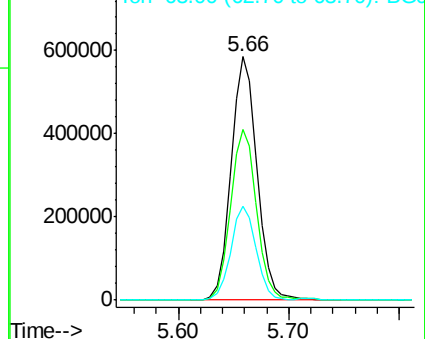
63 38.4 37.8 56.8

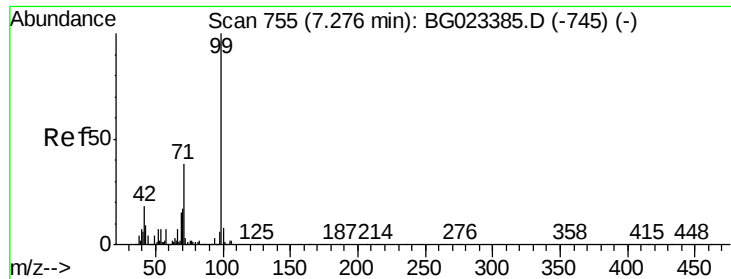


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 145.94 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

Instrument :

BNA_G

ClientSampleId :

SB-61-7.0-8.0

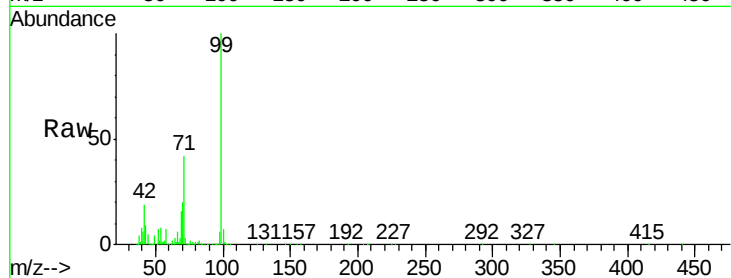
Tgt Ion: 99 Resp: 1452001

Ion Ratio Lower Upper

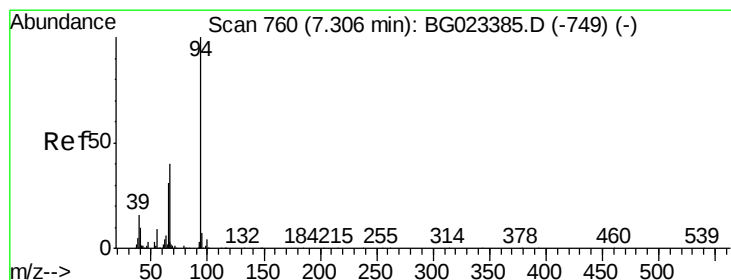
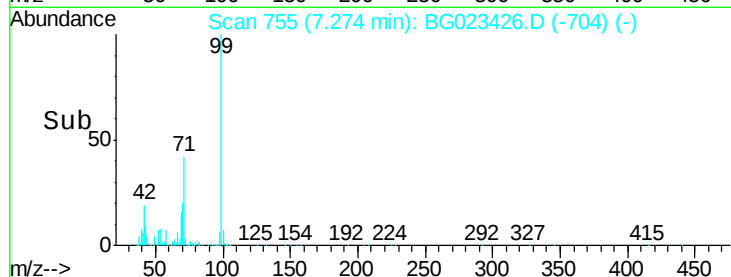
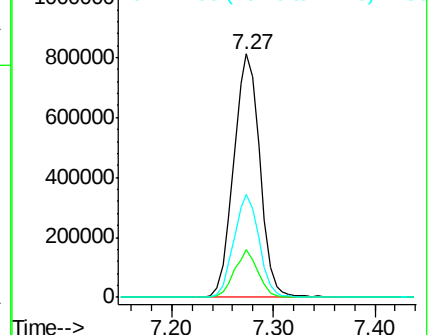
99 100

42 19.5 17.8 26.6

71 42.5 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



#10

Phenol

Concen: 2.18 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

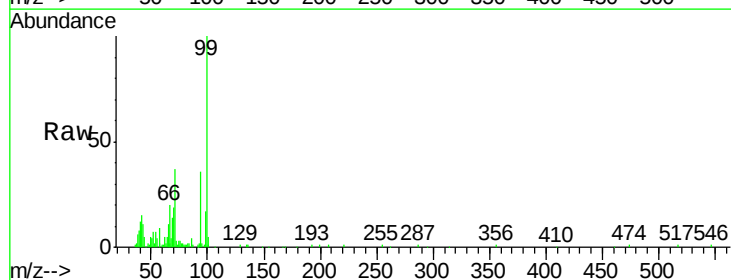
Tgt Ion: 94 Resp: 23245

Ion Ratio Lower Upper

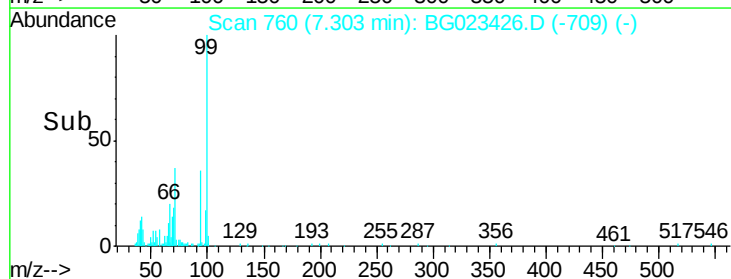
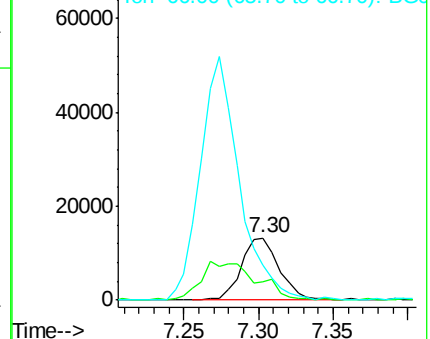
94 100

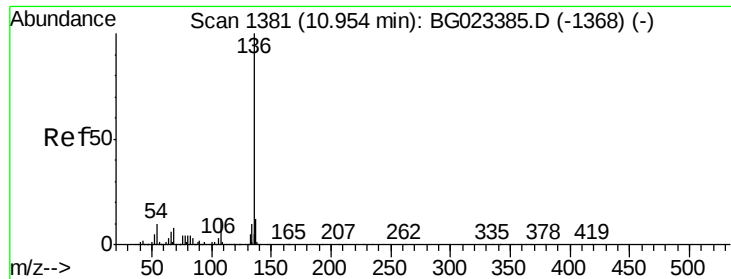
65 29.8 18.1 58.1

66 56.2 42.1 82.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

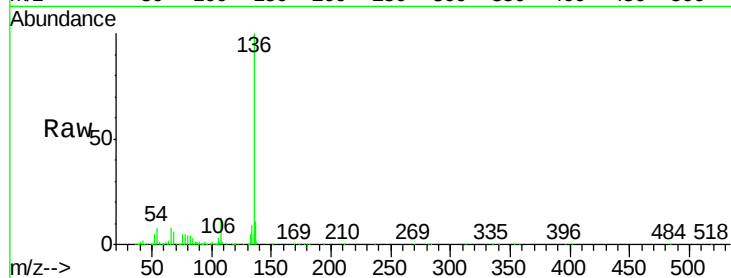




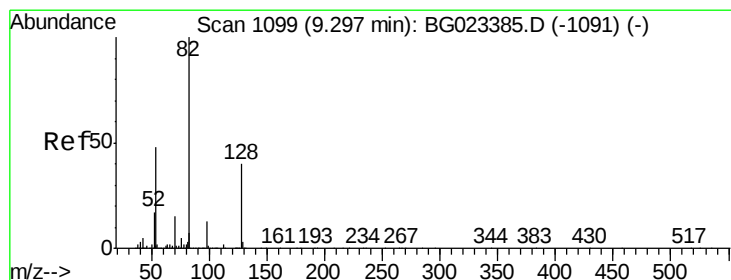
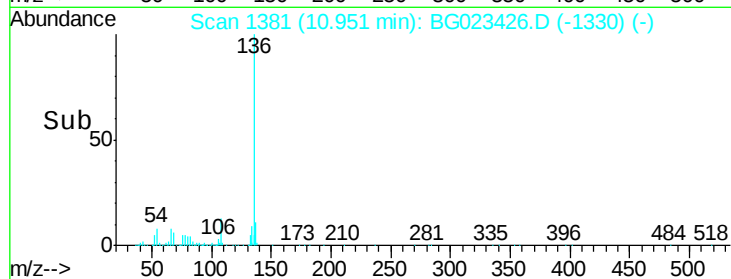
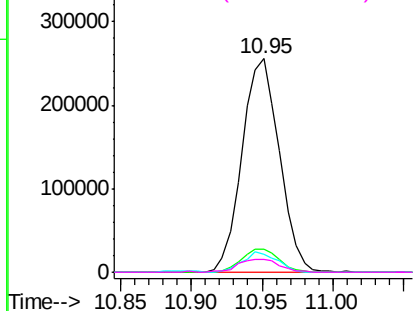
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Instrument :
BNA_G
ClientSampleId :
SB-61-7.0-8.0

Tgt Ion:	136	Resp:	473884
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	8.2	7.3	10.9
68	6.1	5.3	7.9

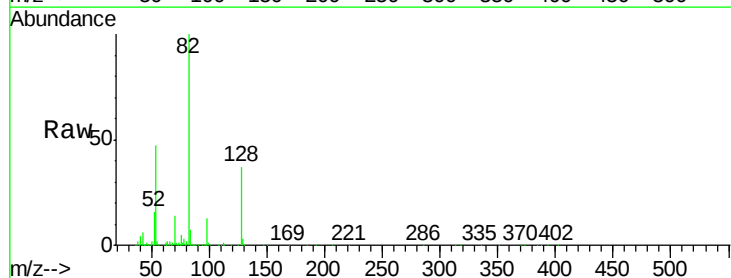


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

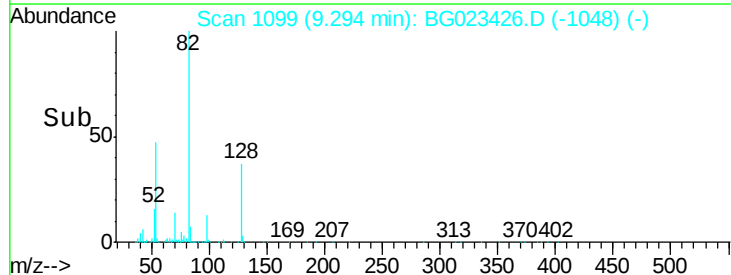
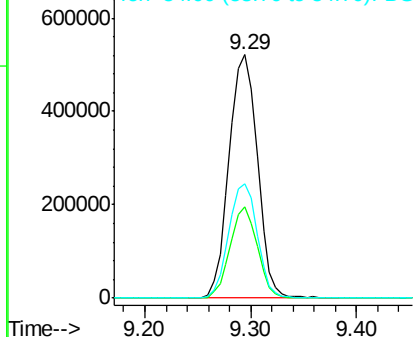


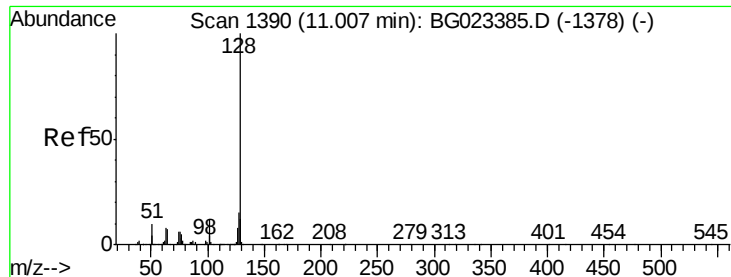
#23
Nitrobenzene-d5
Concen: 101.86 ng
RT: 9.29 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Tgt Ion:	82	Resp:	970970
Ion	Ratio	Lower	Upper
82	100		
128	37.4	24.4	36.6#
54	46.9	41.4	62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 11.86 ng

RT: 11.00 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

Instrument :

BNA_G

ClientSampleId :

SB-61-7.0-8.0

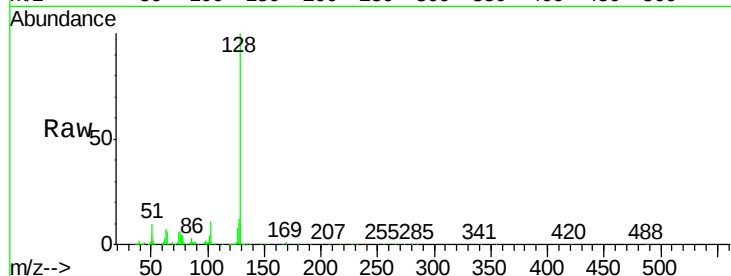
Tgt Ion:128 Resp: 286275

Ion Ratio Lower Upper

128 100

129 9.8 9.4 14.0

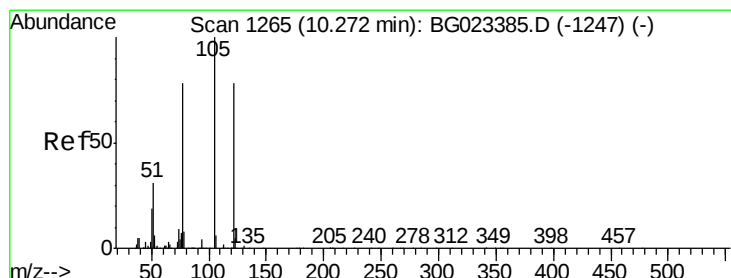
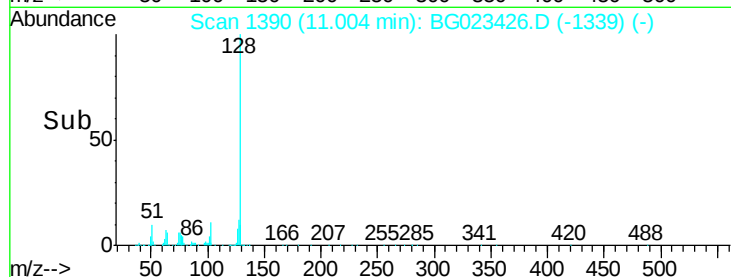
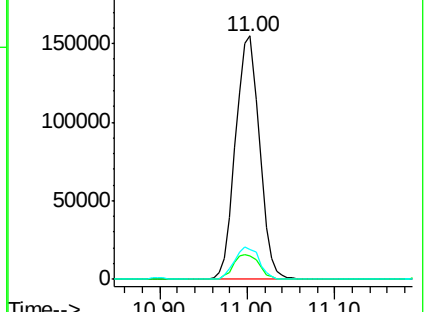
127 12.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.46 ng

RT: 10.27 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

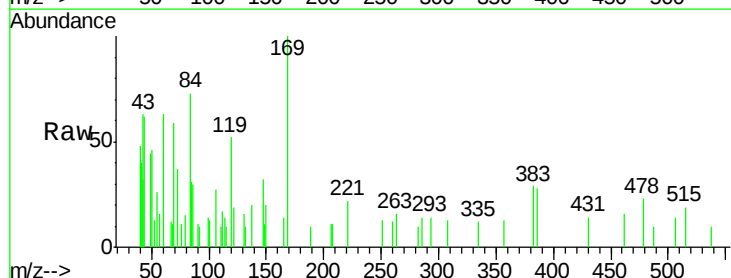
Tgt Ion:122 Resp: 104

Ion Ratio Lower Upper

122 100

105 0.0 117.2 157.2#

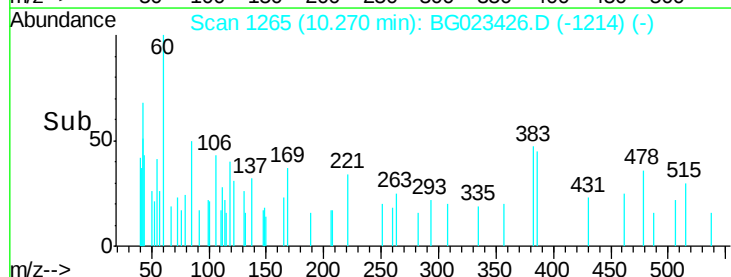
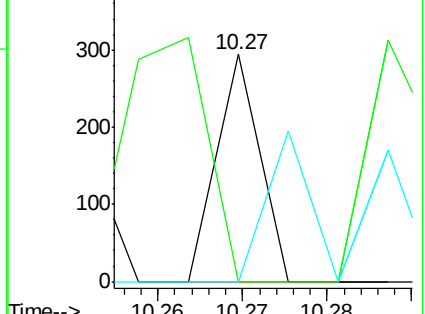
77 0.0 109.2 149.2#

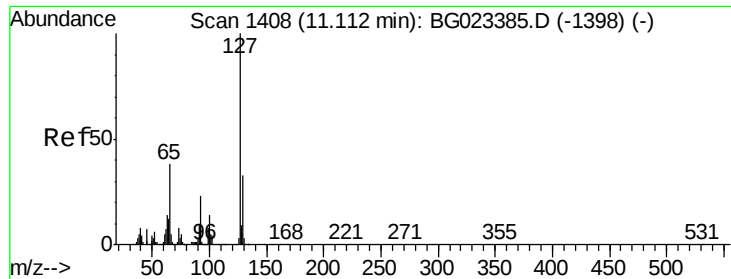


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

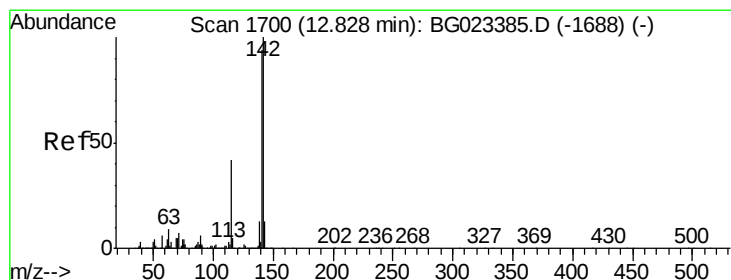
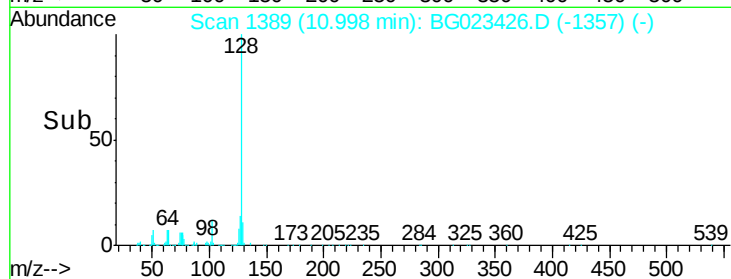
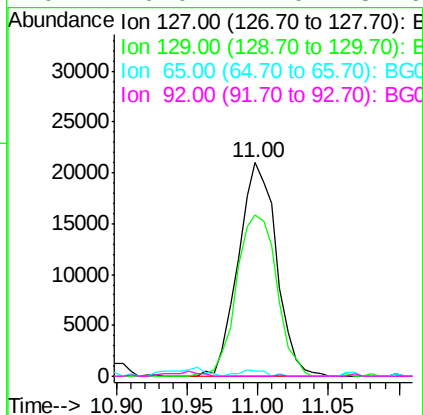
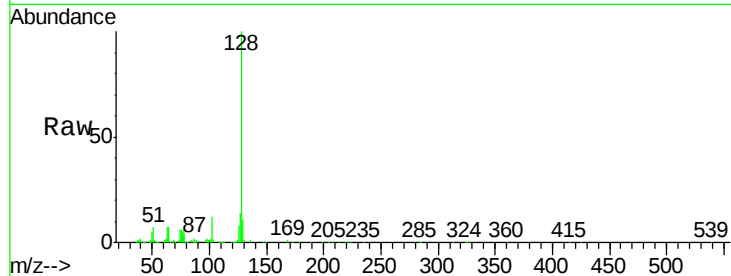




#33
4-Chloroaniline
Concen: 3.43 ng
RT: 11.00 min Scan# 1389
Delta R.T. -0.11 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

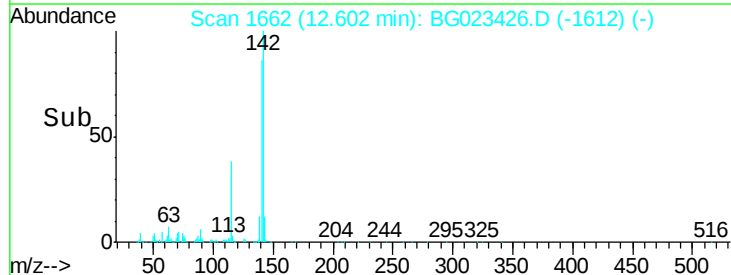
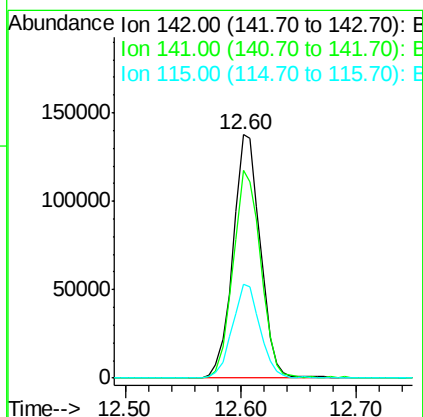
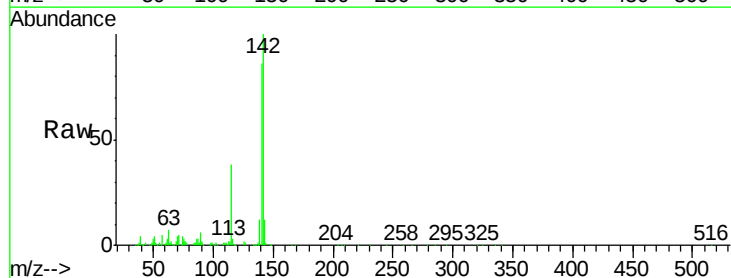
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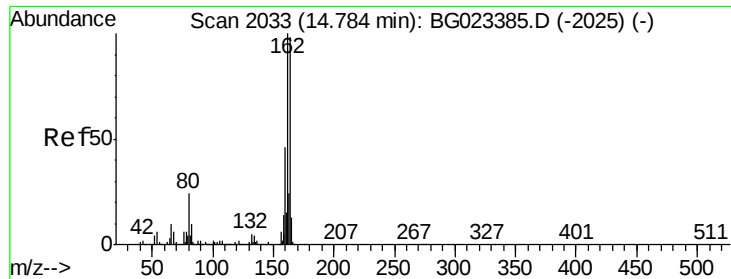
Tgt Ion:	127	Resp:	39616
Ion	Ratio	Lower	Upper
127	100		
129	75.7	27.9	41.9#
65	2.2	36.8	55.2#
92	0.0	21.0	31.6#



#37
2-Methylnaphthalene
Concen: 12.27 ng
RT: 12.60 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Tgt Ion:	142	Resp:	225099
Ion	Ratio	Lower	Upper
142	100		
141	85.6	70.2	105.2
115	38.4	41.7	62.5#

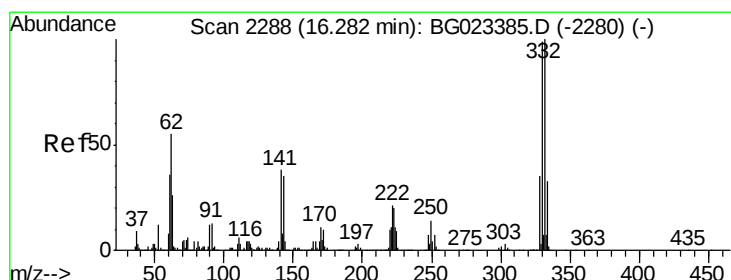
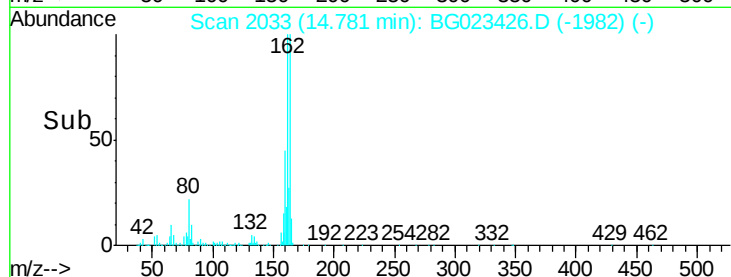
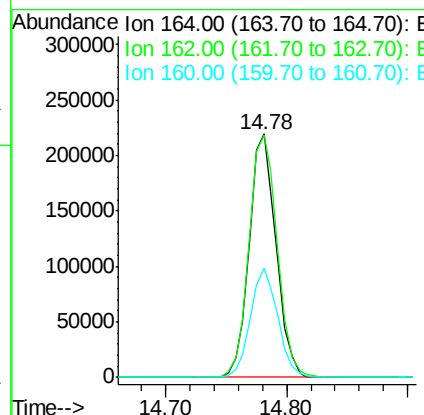
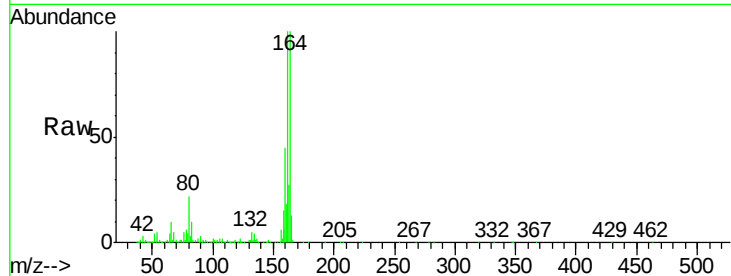




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

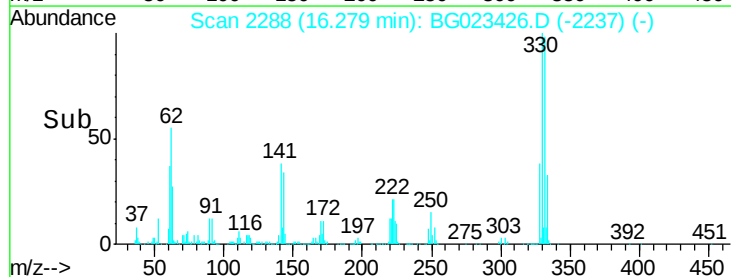
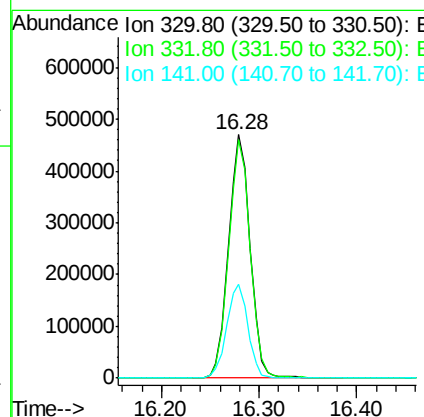
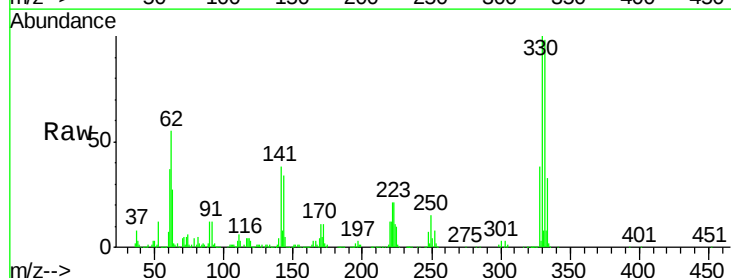
Instrument :
BNA_G
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SB-61-7.0-8.0

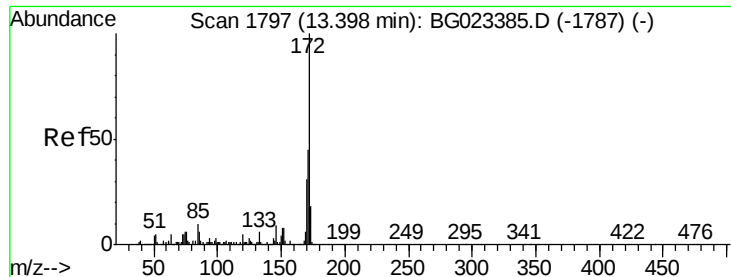
Tgt Ion:164 Resp: 339353
Ion Ratio Lower Upper
164 100
162 99.7 87.7 131.5
160 45.1 37.2 55.8



#41
2,4,6-Tribromophenol
Concen: 145.35 ng
RT: 16.28 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Tgt Ion:330 Resp: 721471
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 37.9 31.7 47.5

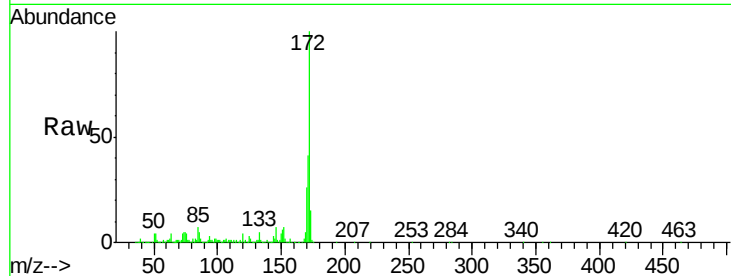




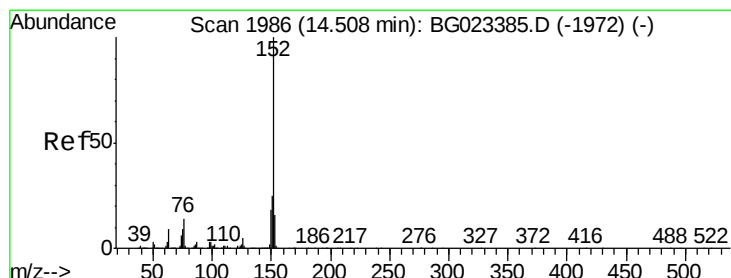
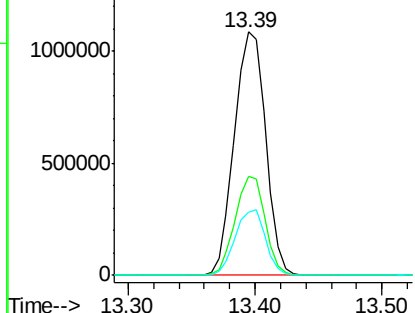
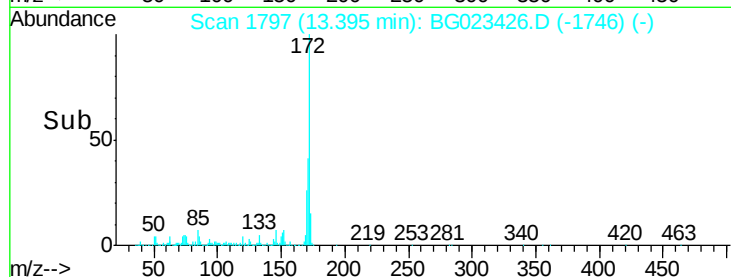
#44
2-Fluorobiphenyl
Concen: 92.14 ng
RT: 13.39 min Scan# 1797
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Instrument :
BNA_G
ClientSampleId :
SB-61-7.0-8.0

Tgt Ion:172 Resp: 1853763
Ion Ratio Lower Upper
172 100
171 40.6 31.6 47.4
170 26.1 21.3 31.9

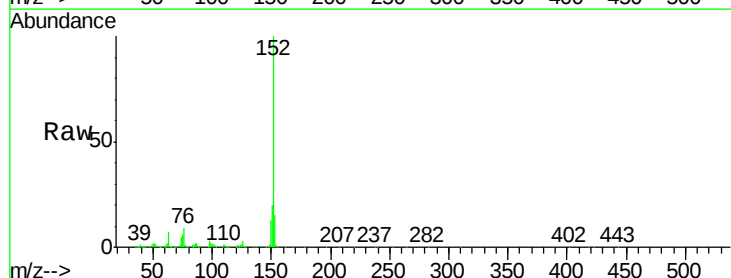


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

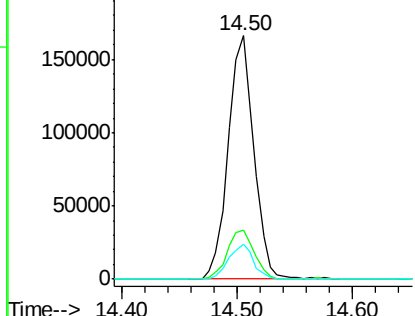
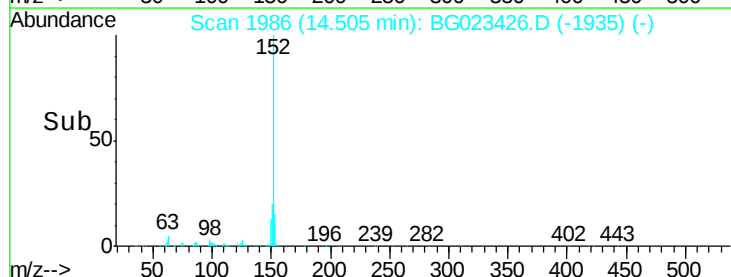


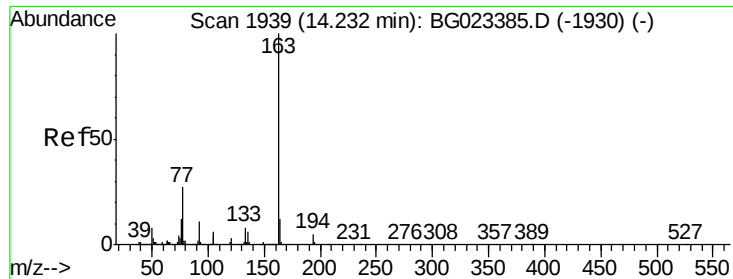
#48
Acenaphthylene
Concen: 8.09 ng
RT: 14.50 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BG023426.D
Acq: 3 Aug 2016 15:17

Tgt Ion:152 Resp: 256511
Ion Ratio Lower Upper
152 100
151 20.4 17.6 26.4
153 14.6 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 39.30 ng

RT: 14.22 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

Instrument :

BNA_G

ClientSampleId :

SB-61-7.0-8.0

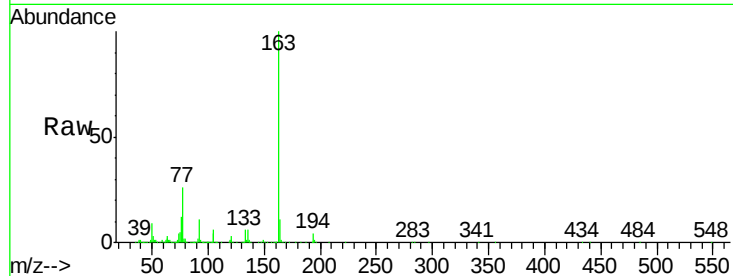
Tgt Ion:163 Resp: 1023263

Ion Ratio Lower Upper

163 100

194 4.0 3.6 5.4

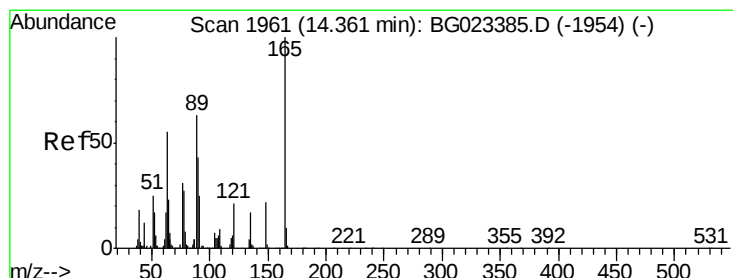
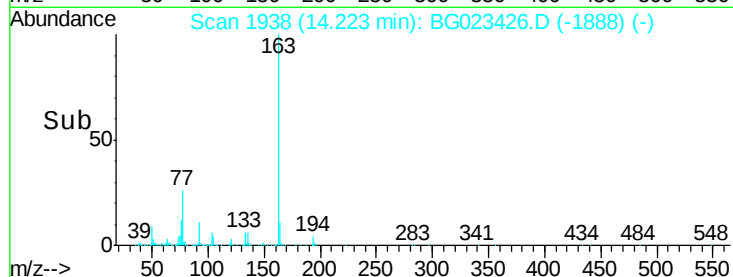
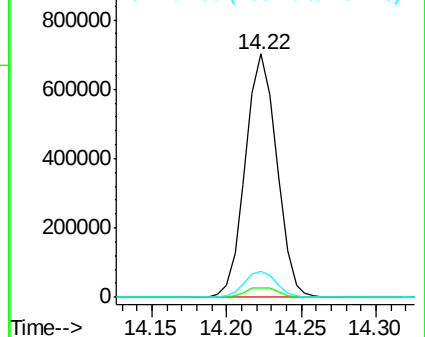
164 10.8 8.1 12.1



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



#50

2,6-Dinitrotoluene

Concen: 2.20 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.14 min

Lab File: BG023426.D

Acq: 3 Aug 2016 15:17

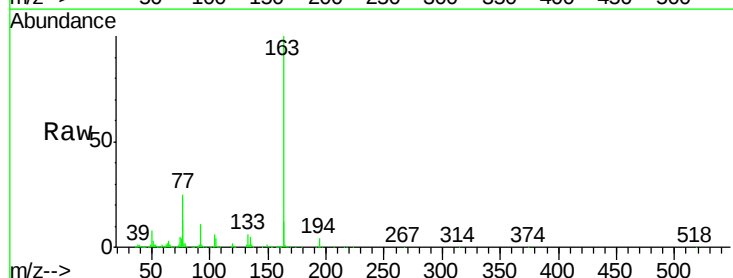
Tgt Ion:165 Resp: 13559

Ion Ratio Lower Upper

165 100

63 131.5 64.3 96.5#

89 7.3 64.3 96.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

