

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110716\
 Data File : BG024728.D
 Acq On : 7 Nov 2016 14:37
 Operator : UM/SJ
 Sample : H5531-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 16:36:41 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

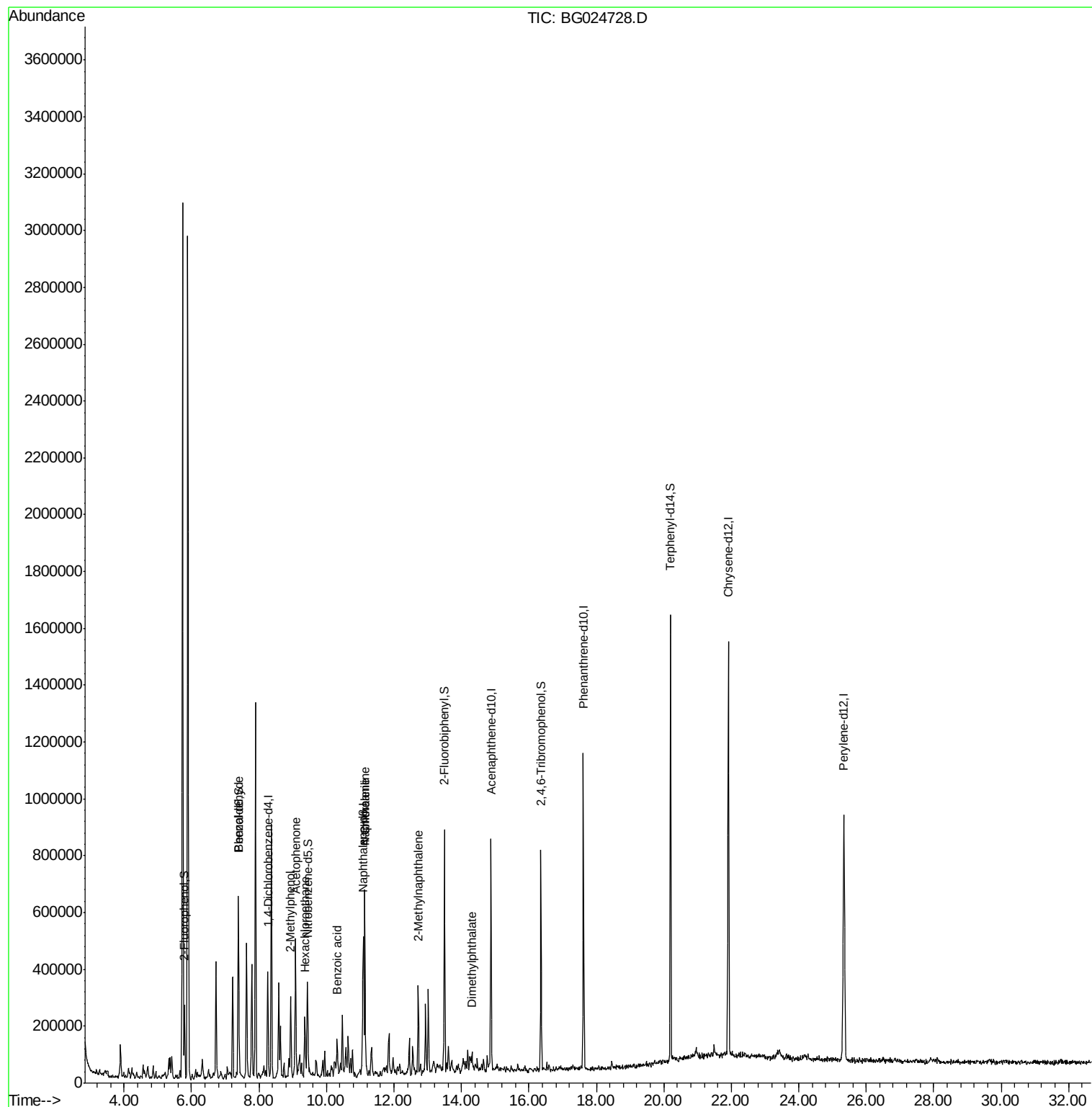
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	102002	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	385896	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	298520	20.00	ng	-0.01
63) Phenanthrene-d10	17.62	188	687461	20.00	ng	-0.01
75) Chrysene-d12	21.91	240	1006225	20.00	ng	-0.02
86) Perylene-d12	25.34	264	1048924	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	105222	16.91	ng	0.00
7) Phenol-d6	7.40	99	100627	11.79	ng	0.00
23) Nitrobenzene-d5	9.43	82	179399	21.17	ng	-0.02
41) 2,4,6-Tribromophenol	16.36	330	158741	35.59	ng	-0.01
44) 2-Fluorobiphenyl	13.50	172	420197	23.40	ng	-0.01
78) Terphenyl-d14	20.20	244	723757	21.49	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.39	77	45472	8.62	ng	# 1
17) 2-Methylphenol	8.94	107	73895	12.67	ng	# 29
18) Hexachloroethane	9.36	117	24171	8.13	ng	# 1
22) Acetophenone	9.09	105	294481	29.71	ng	# 90
31) Naphthalene	11.14	128	517559	26.89	ng	98
32) Benzoic acid	10.32	122	33666	6.60	ng	95
33) 4-Chloroaniline	11.14	127	72330	8.65	ng	# 25
37) 2-Methylnaphthalene	12.72	142	134960	9.61	ng	93
49) Dimethylphthalate	14.31	163	43597	2.06	ng	# 96

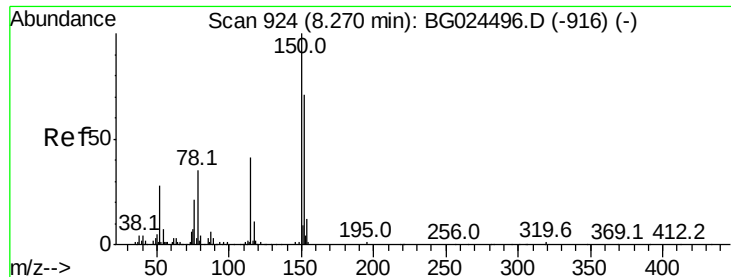
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

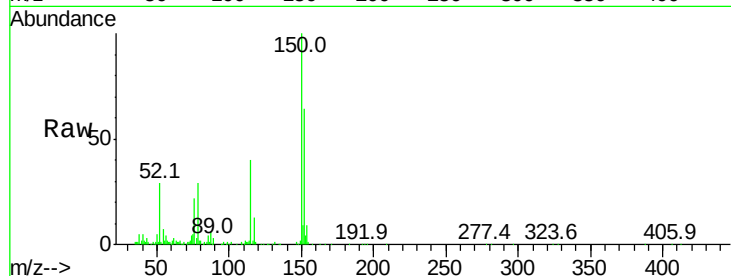
Tot Ion:152 Resp: 102002

Ion Ratio Lower Upper

152 100

150 157.3 114.0 171.0

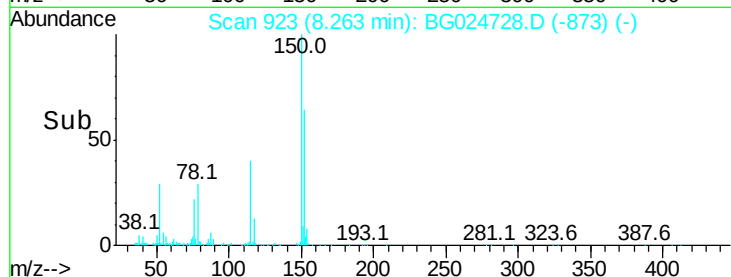
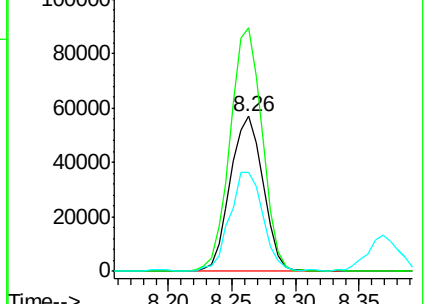
115 63.6 48.1 72.1



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: 16.91 ng

RT: 5.80 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

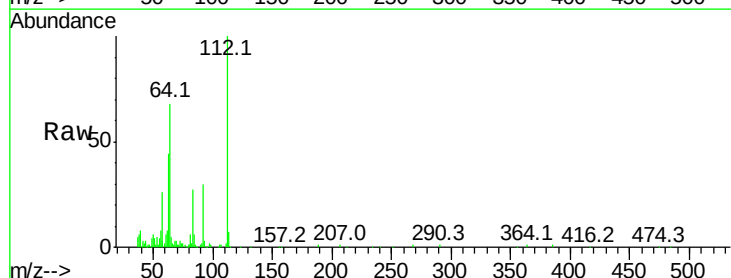
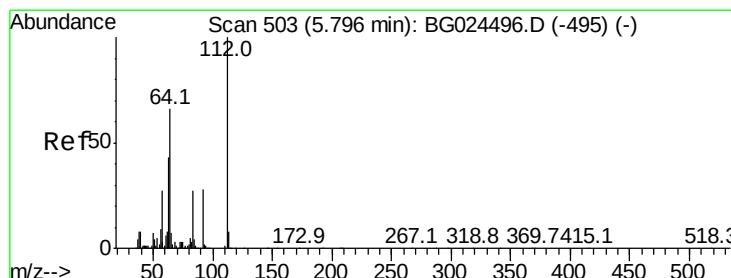
Tgt Ion:112 Resp: 105222

Ion Ratio Lower Upper

112 100

64 67.8 61.8 92.6

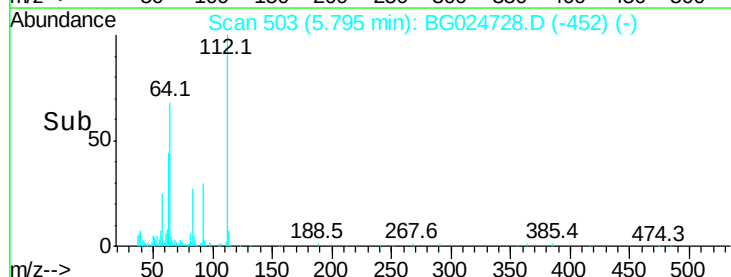
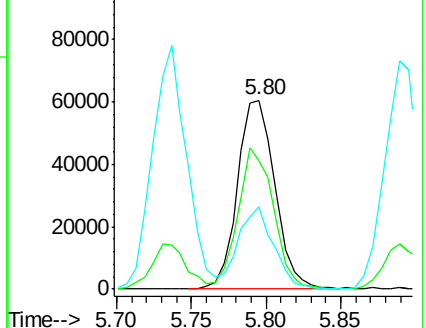
63 43.9 37.2 55.8

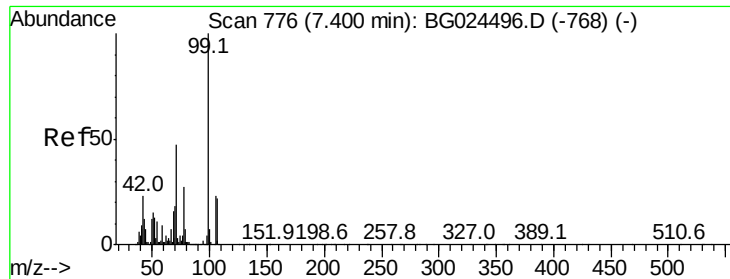


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 11.79 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

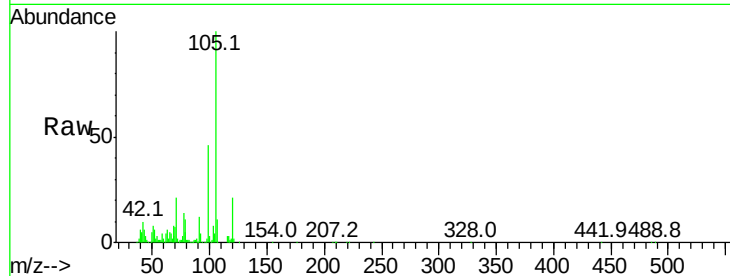
Tot Ion: 99 Resp: 100627

Ion Ratio Lower Upper

99 100

42 22.5 20.5 30.7

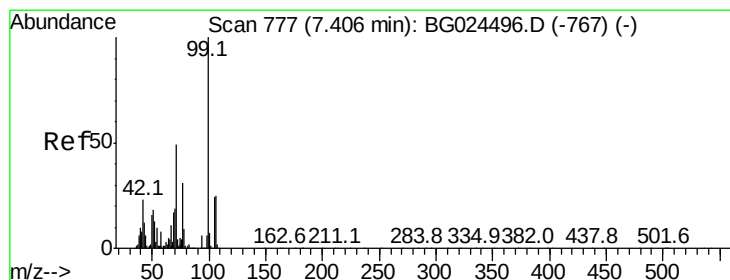
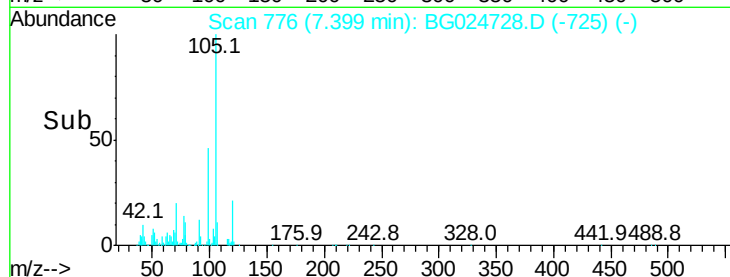
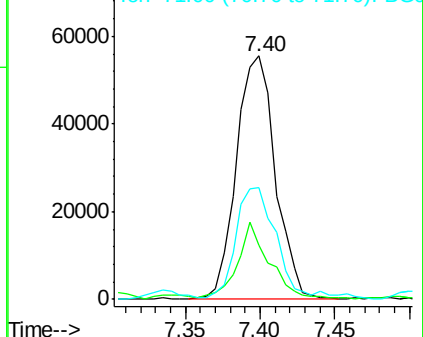
71 45.8 37.6 56.4



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: 8.62 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.02 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

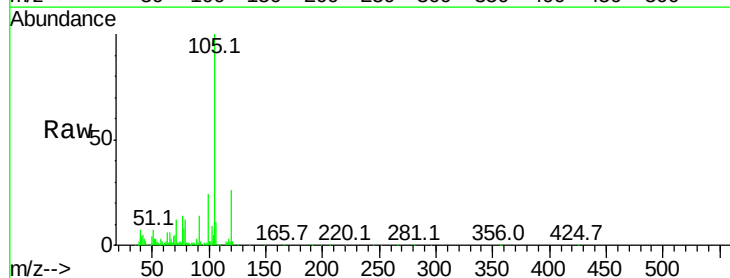
Tgt Ion: 77 Resp: 45472

Ion Ratio Lower Upper

77 100

105 690.0 60.9 100.9#

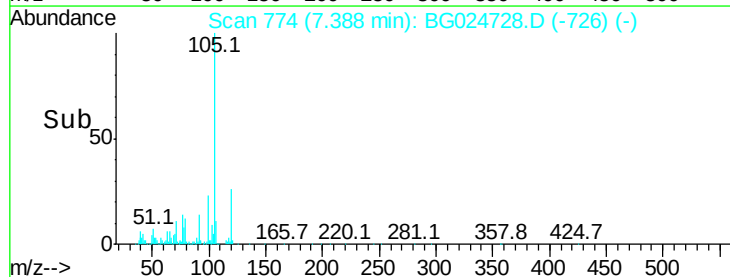
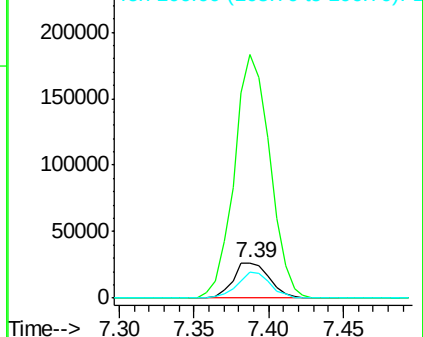
106 74.2 55.1 95.1

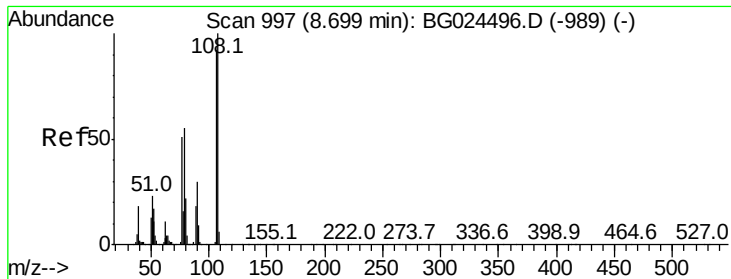


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#17

2-Methylphenol

Concen: 12.67 ng

RT: 8.94 min Scan# 1038

Delta R.T. 0.24 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 73895

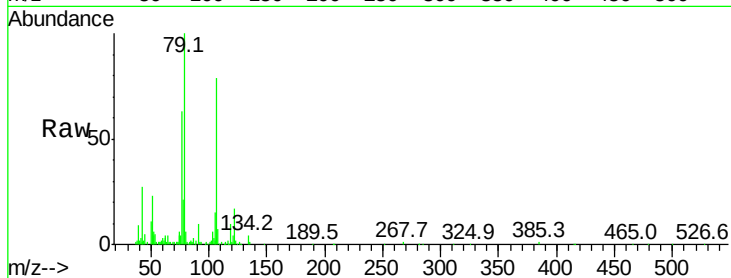
Ion Ratio Lower Upper

107 100

108 8.2 85.6 128.4#

77 79.6 51.4 77.2#

79 126.4 49.2 73.8#

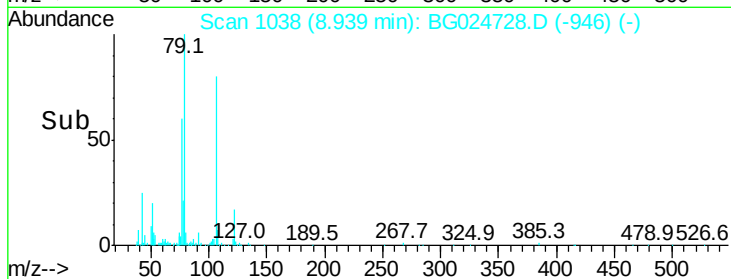
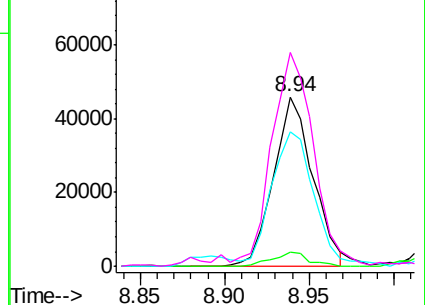


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 8.13 ng

RT: 9.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

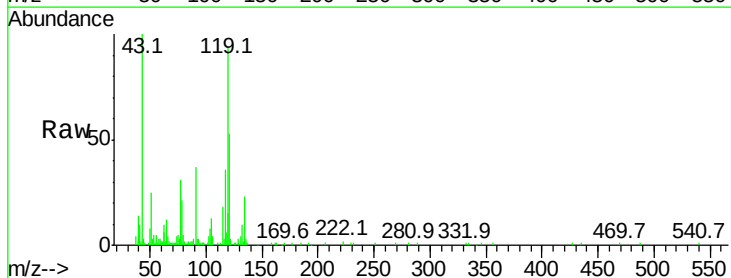
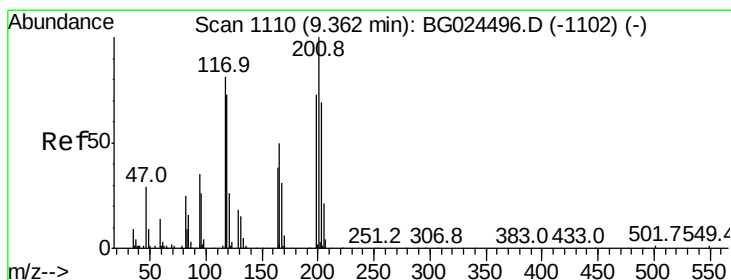
Tgt Ion:117 Resp: 24171

Ion Ratio Lower Upper

117 100

119 264.5 69.8 104.6#

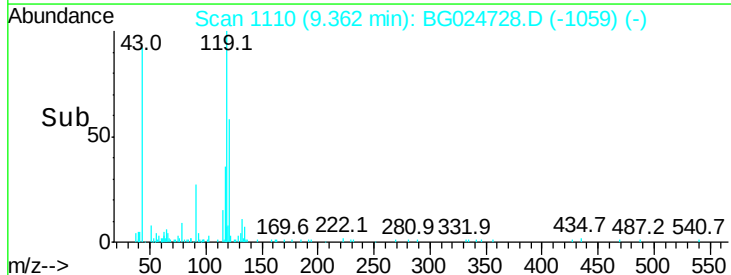
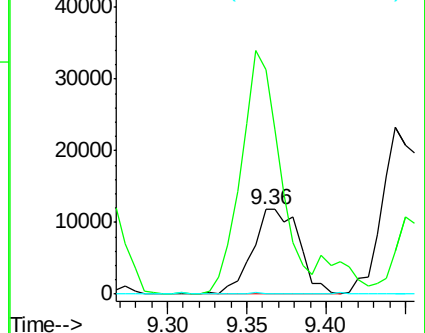
201 0.0 95.4 143.0#

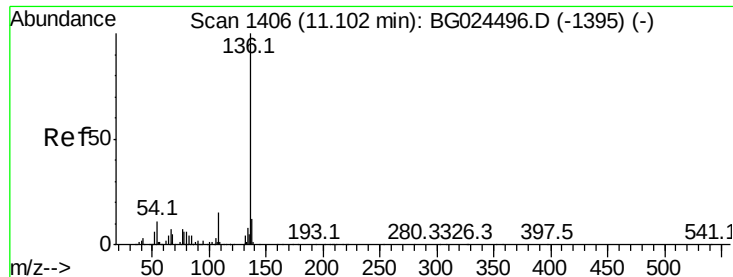


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

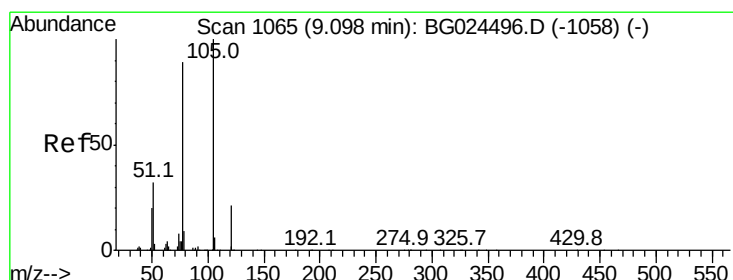
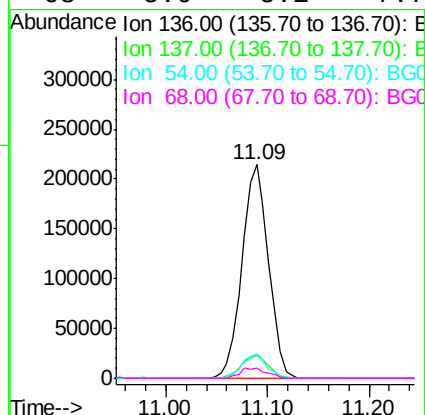
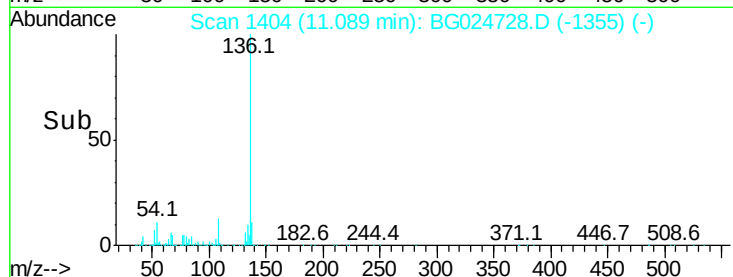
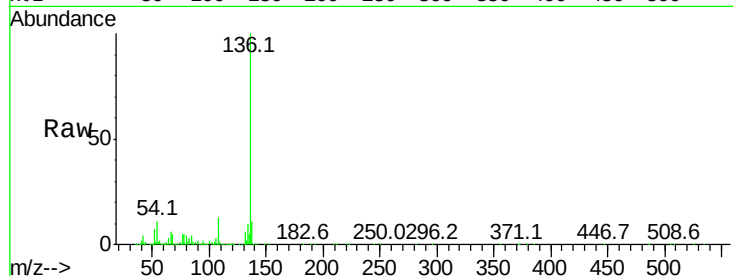




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

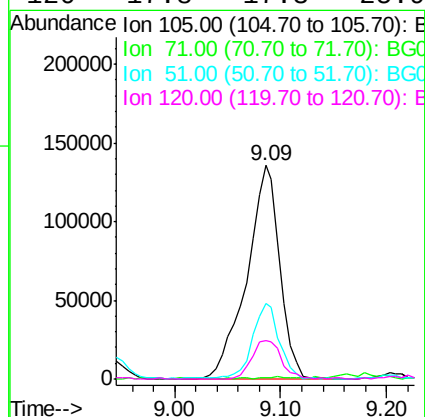
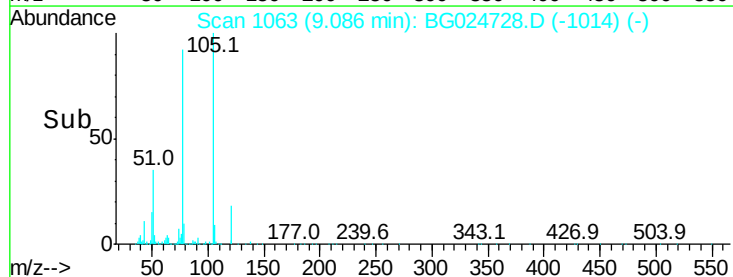
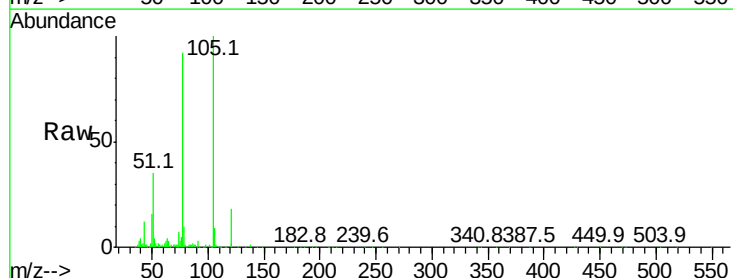
Instrument :
BNA_G
ClientSampleId :

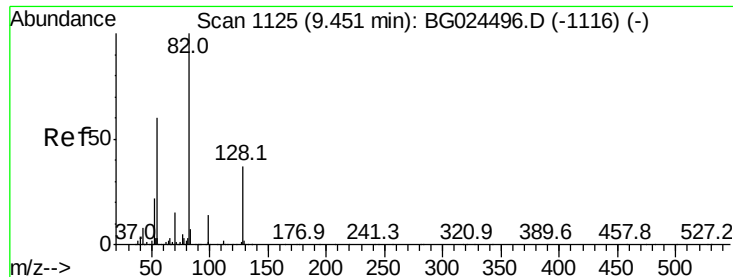
Tot Ion:136	Resp:	385896
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 11.2	9.3	13.9
68 5.0	5.1	7.7#



#22
Acetophenone
Concen: 29.71 ng
RT: 9.09 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

Tgt Ion:105	Resp:	294481
Ion Ratio	Lower	Upper
105 100		
71 0.5	0.9	1.3#
51 35.2	34.0	51.0
120 17.8	17.3	25.9





#23

Nitrobenzene-d5

Concen: 21.17 ng

RT: 9.43 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

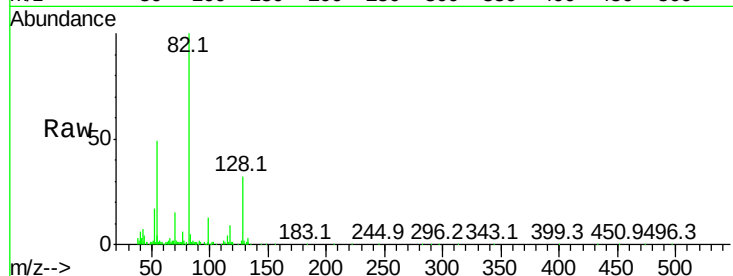
Tot Ion: 82 Resp: 179399

Ion Ratio Lower Upper

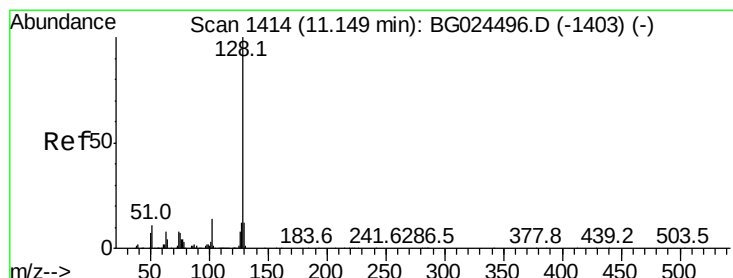
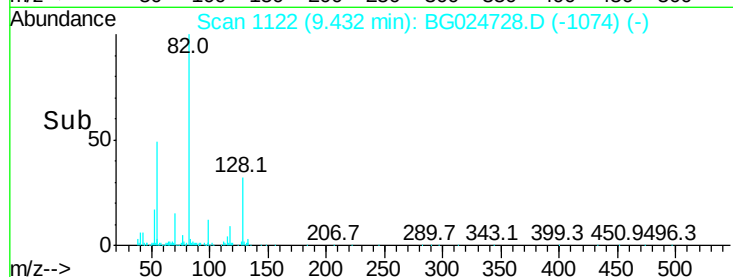
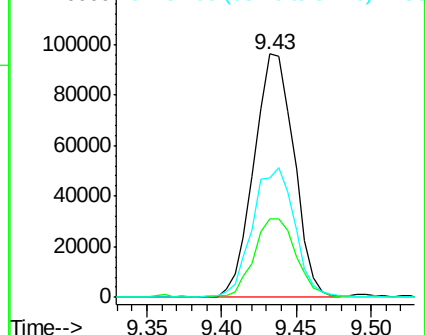
82 100

128 32.3 26.4 39.6

54 49.2 49.4 74.2#



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: 26.89 ng

RT: 11.14 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

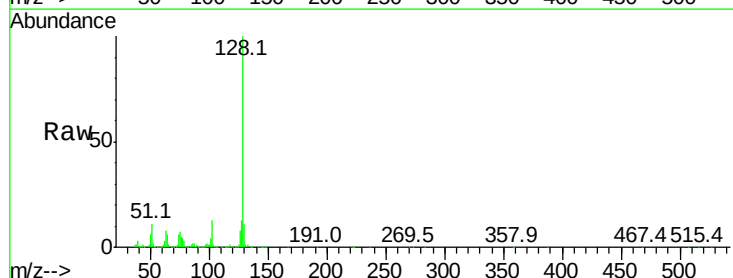
Tgt Ion: 128 Resp: 517559

Ion Ratio Lower Upper

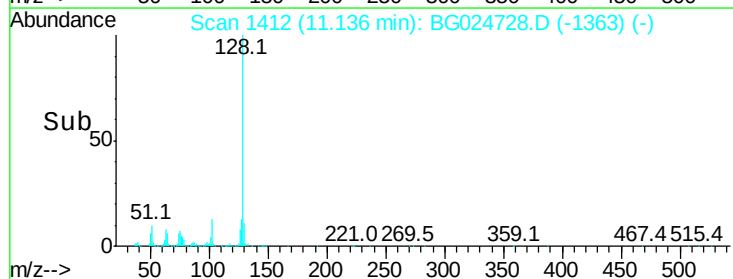
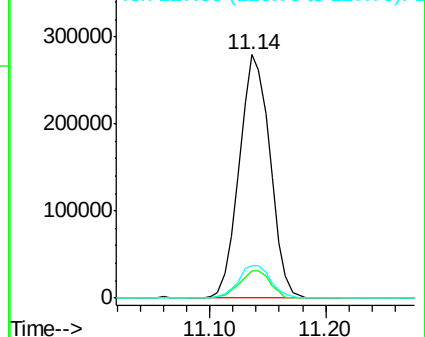
128 100

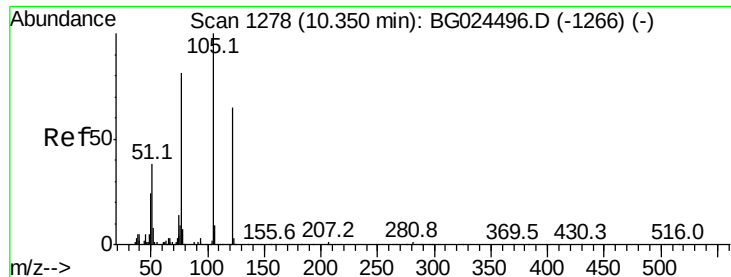
129 11.0 9.3 13.9

127 13.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

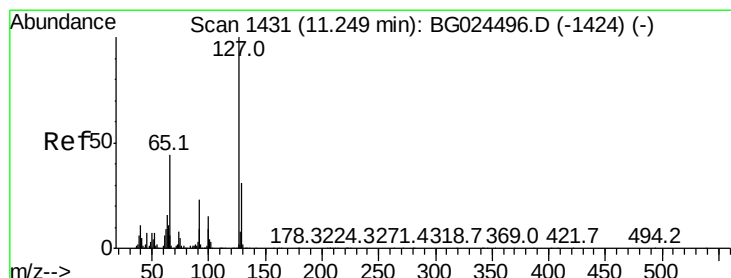
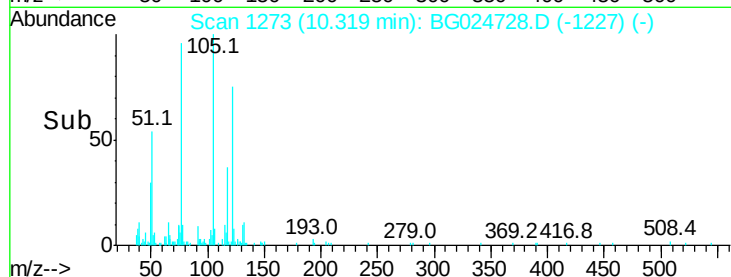
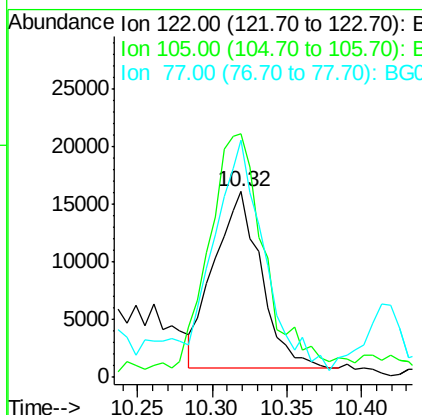
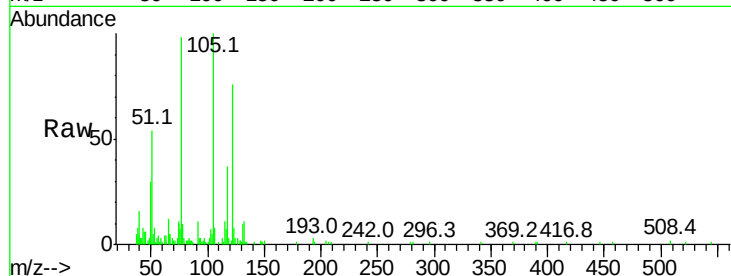




#32
Benzoic acid
Concen: 6.60 ng
RT: 10.32 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

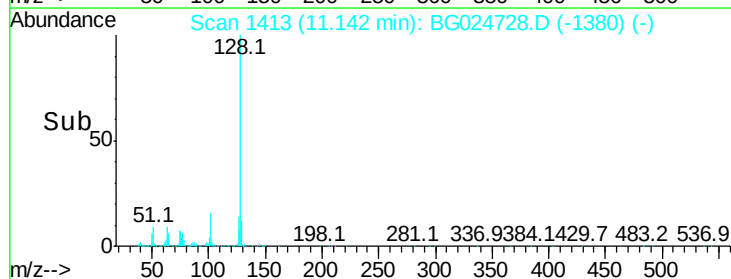
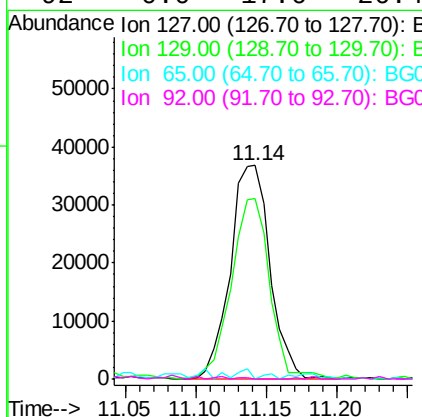
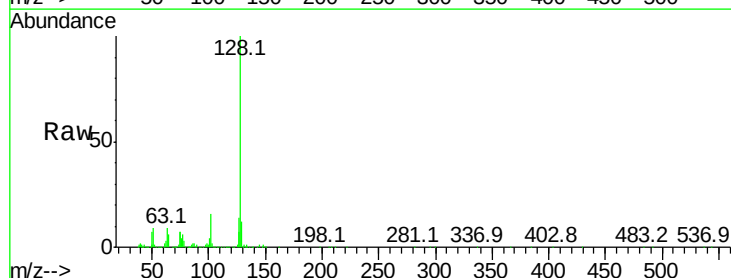
Instrument :
BNA_G
ClientSampleId :

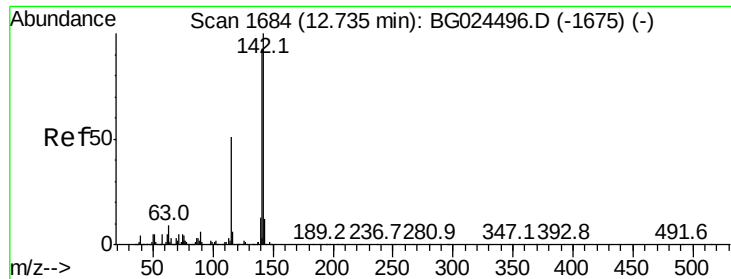
Tot Ion:122 Resp: 33666
Ion Ratio Lower Upper
122 100
105 131.1 120.1 160.1
77 128.0 104.6 144.6



#33
4-Chloroaniline
Concen: 8.65 ng
RT: 11.14 min Scan# 1413
Delta R.T. -0.11 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

Tgt Ion:127 Resp: 72330
Ion Ratio Lower Upper
127 100
129 84.5 23.6 35.4#
65 0.0 37.7 56.5#
92 0.0 17.6 26.4#





#37

2-Methylnaphthalene

Concen: 9.61 ng

RT: 12.72 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampled :

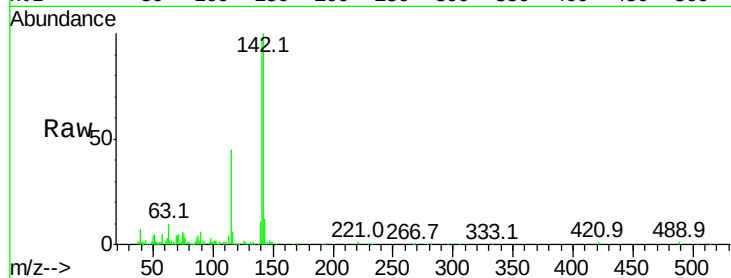
Tot Ion:142 Resp: 134960

Ion Ratio Lower Upper

142 100

141 97.0 70.4 105.6

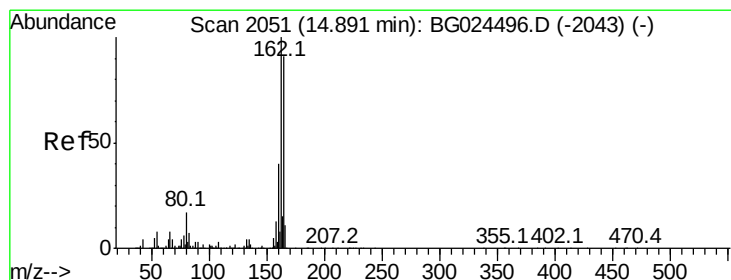
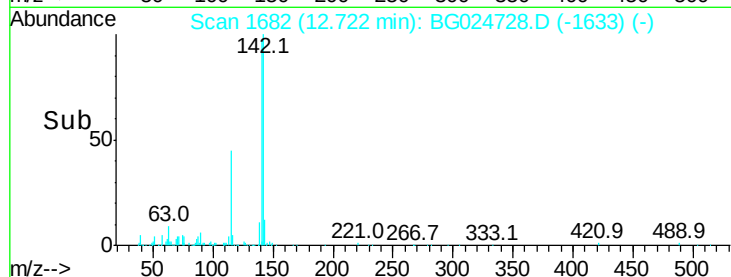
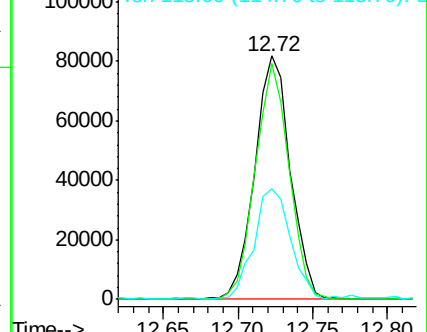
115 45.4 35.5 53.3



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: 14.88 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

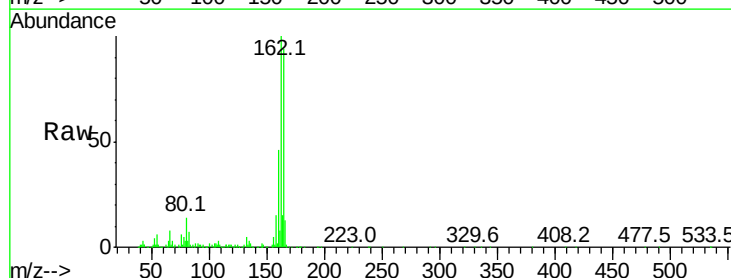
Tgt Ion:164 Resp: 298520

Ion Ratio Lower Upper

164 100

162 106.0 85.1 127.7

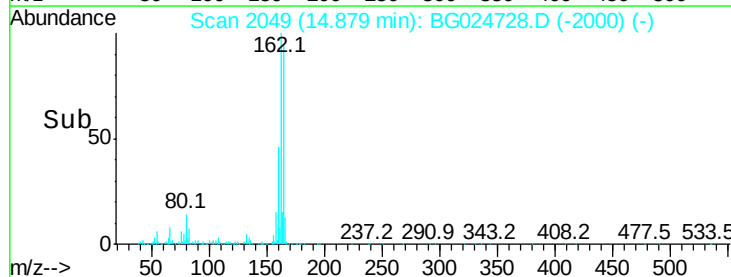
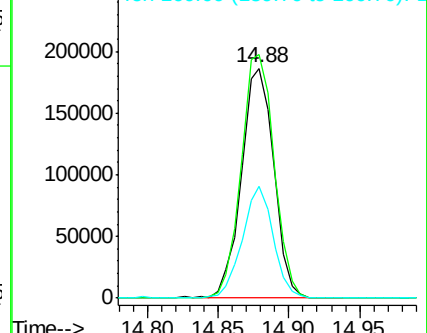
160 48.5 34.7 52.1

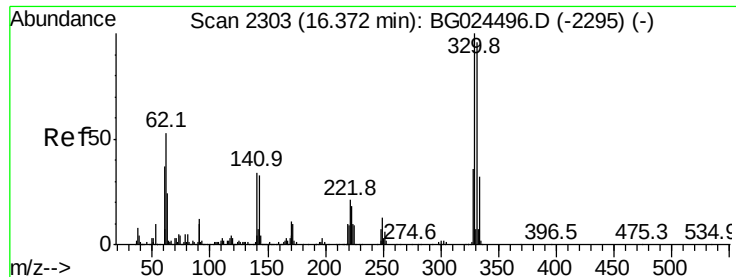


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

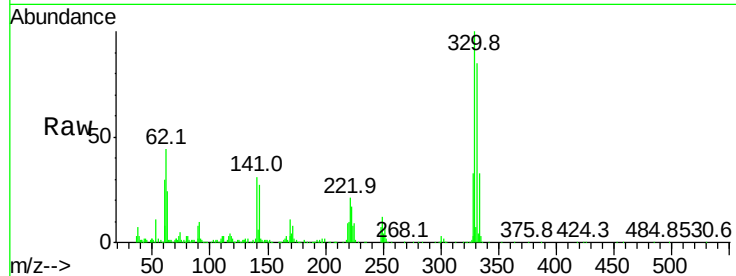




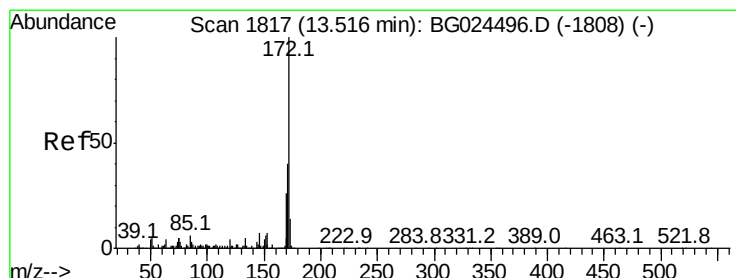
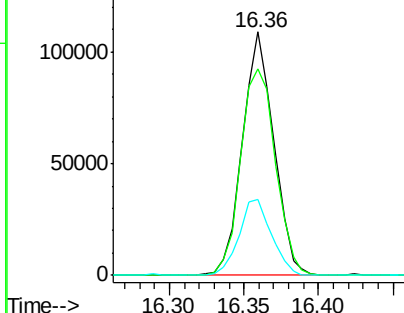
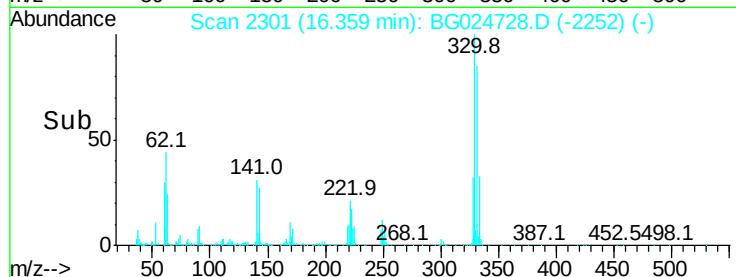
#41
2,4,6-Tribromophenol
Concen: 35.59 ng
RT: 16.36 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.3	115.9
141	32.7	32.1	48.1

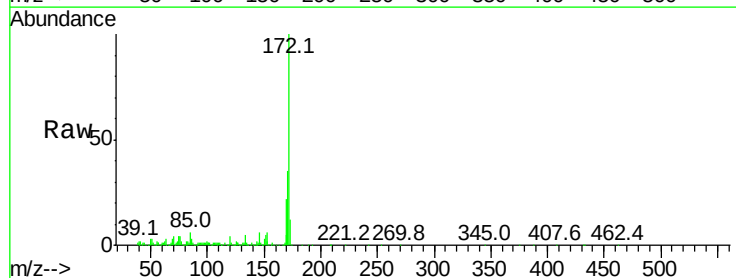


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

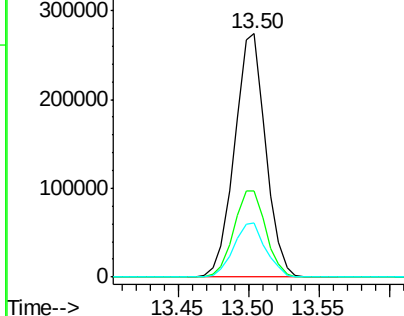
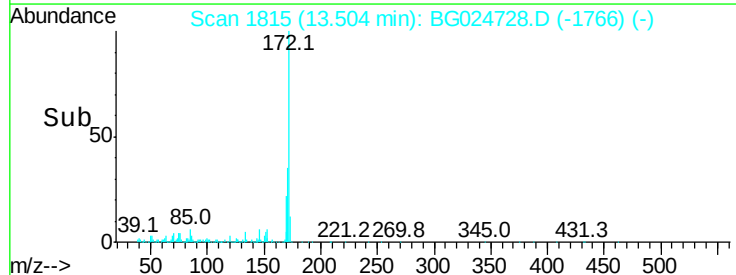


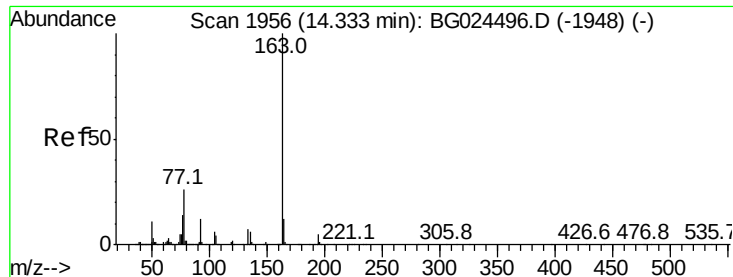
#44
2-Fluorobiphenyl
Concen: 23.40 ng
RT: 13.50 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BG024728.D
Acq: 7 Nov 2016 14:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	32.2	48.2
170	22.1	21.8	32.6



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





#49

Dimethylphthalate

Concen: 2.06 ng

RT: 14.31 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

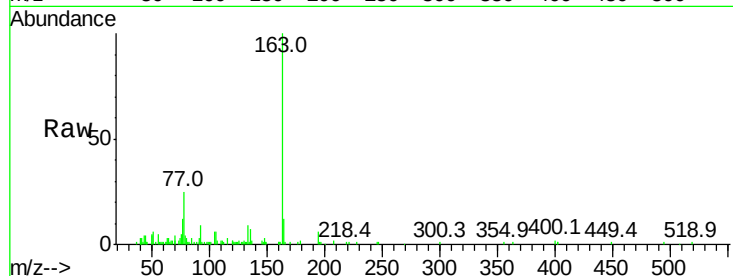
Tot Ion:163 Resp: 43597

Ion Ratio Lower Upper

163 100

194 6.0 3.8 5.6#

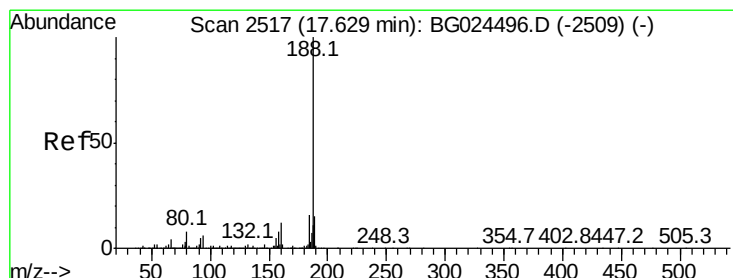
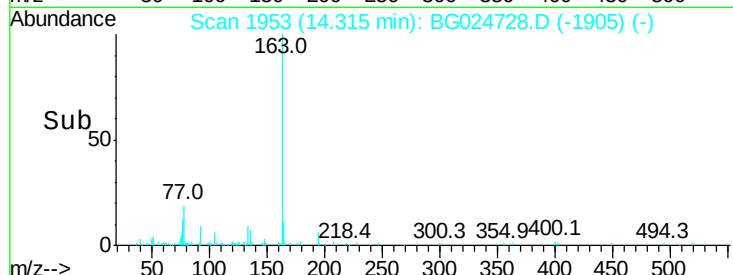
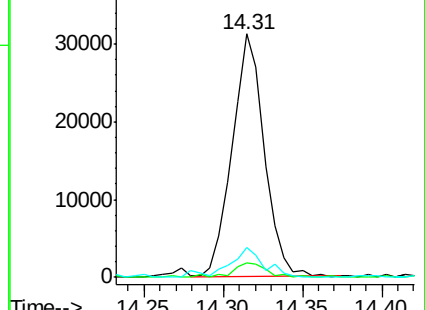
164 13.3 9.3 13.9



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: 17.62 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

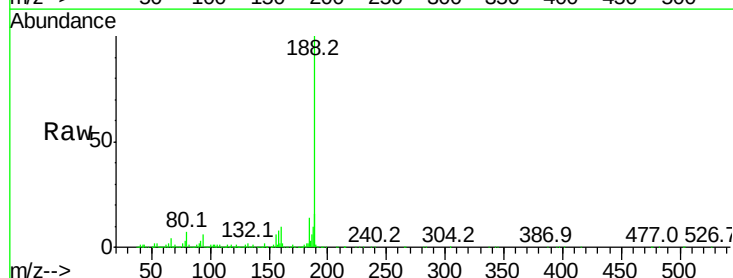
Tgt Ion:188 Resp: 687461

Ion Ratio Lower Upper

188 100

94 6.2 5.8 8.8

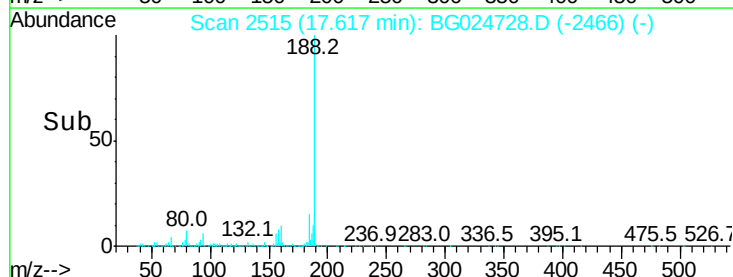
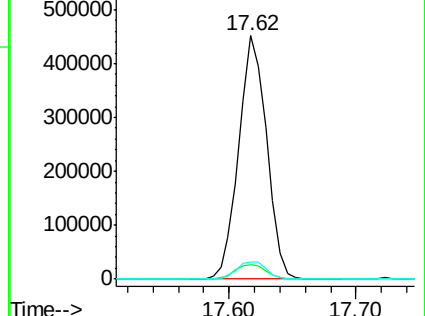
80 6.8 7.5 11.3#

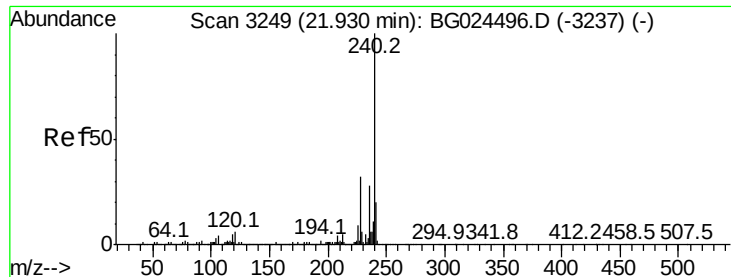


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.91 min Scan# 3246

Delta R.T. -0.02 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

Instrument :

BNA_G

ClientSampleId :

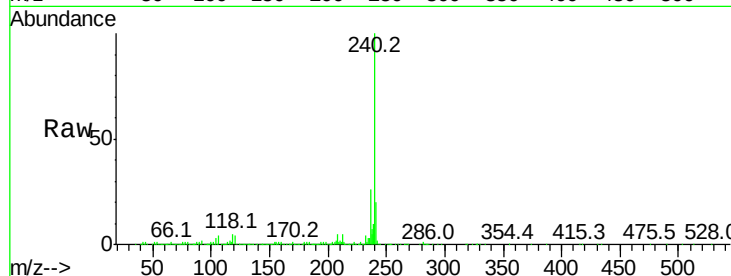
Tot Ion:240 Resp: 1006225

Ion Ratio Lower Upper

240 100

120 4.3 5.7 8.5#

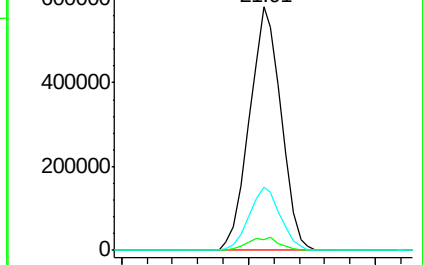
236 25.8 22.2 33.4



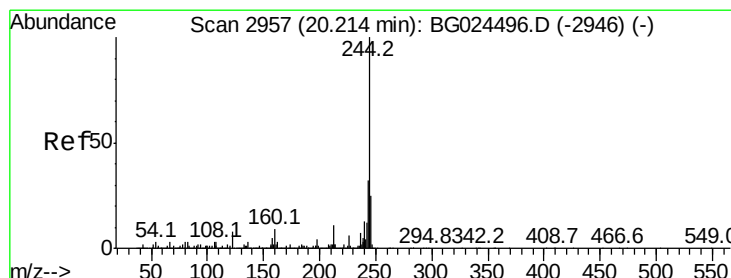
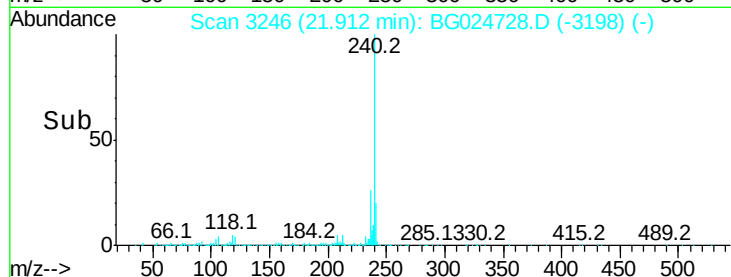
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.80 21.90 22.00



#78

Terphenyl-d14

Concen: 21.49 ng

RT: 20.20 min Scan# 2954

Delta R.T. -0.02 min

Lab File: BG024728.D

Acq: 7 Nov 2016 14:37

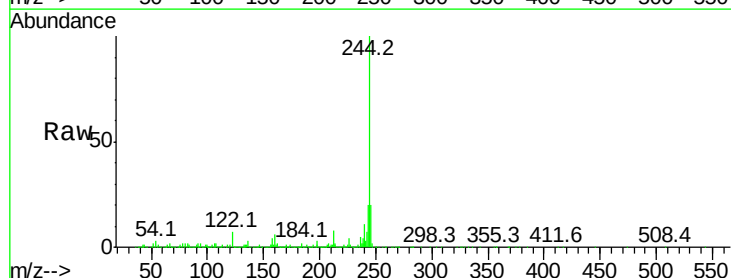
Tgt Ion:244 Resp: 723757

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

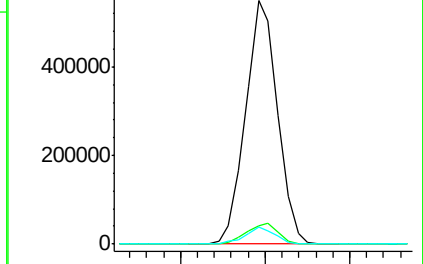
122 7.0 8.6 12.8#



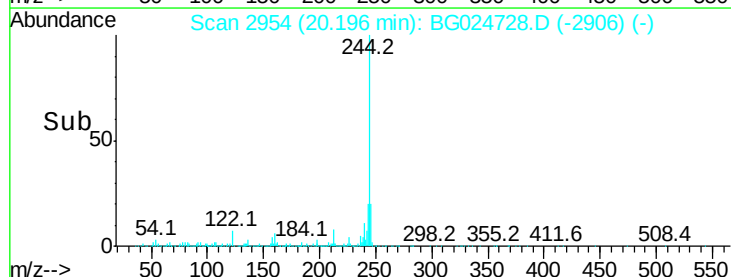
Abundance Ion 244.00 (243.70 to 244.70): E

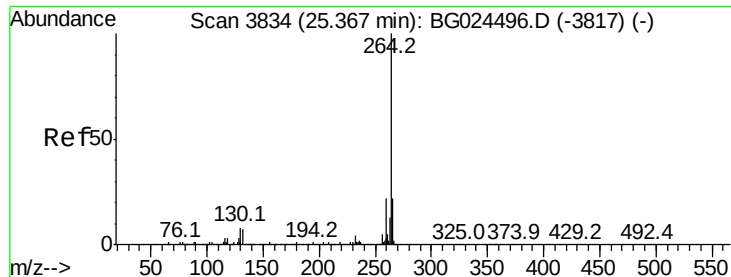
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.15 20.20 20.25



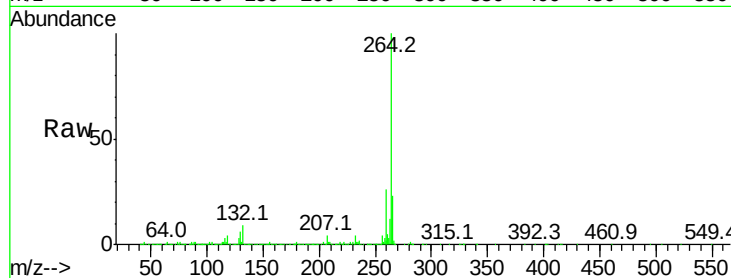


#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.34 min Scan# 3829
 Delta R.T. -0.03 min
 Lab File: BG024728.D
 Acq: 7 Nov 2016 14:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 1048924

Ion	Ratio	Lower	Upper
264	100		
260	25.7	21.8	32.8
265	23.4	18.2	27.4



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

