

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060816\
 Data File : BG022254.D
 Acq On : 9 Jun 2016 4:47
 Operator : UM/SJ
 Sample : H3381-13
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-40

Quant Time: Jun 09 06:38:36 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

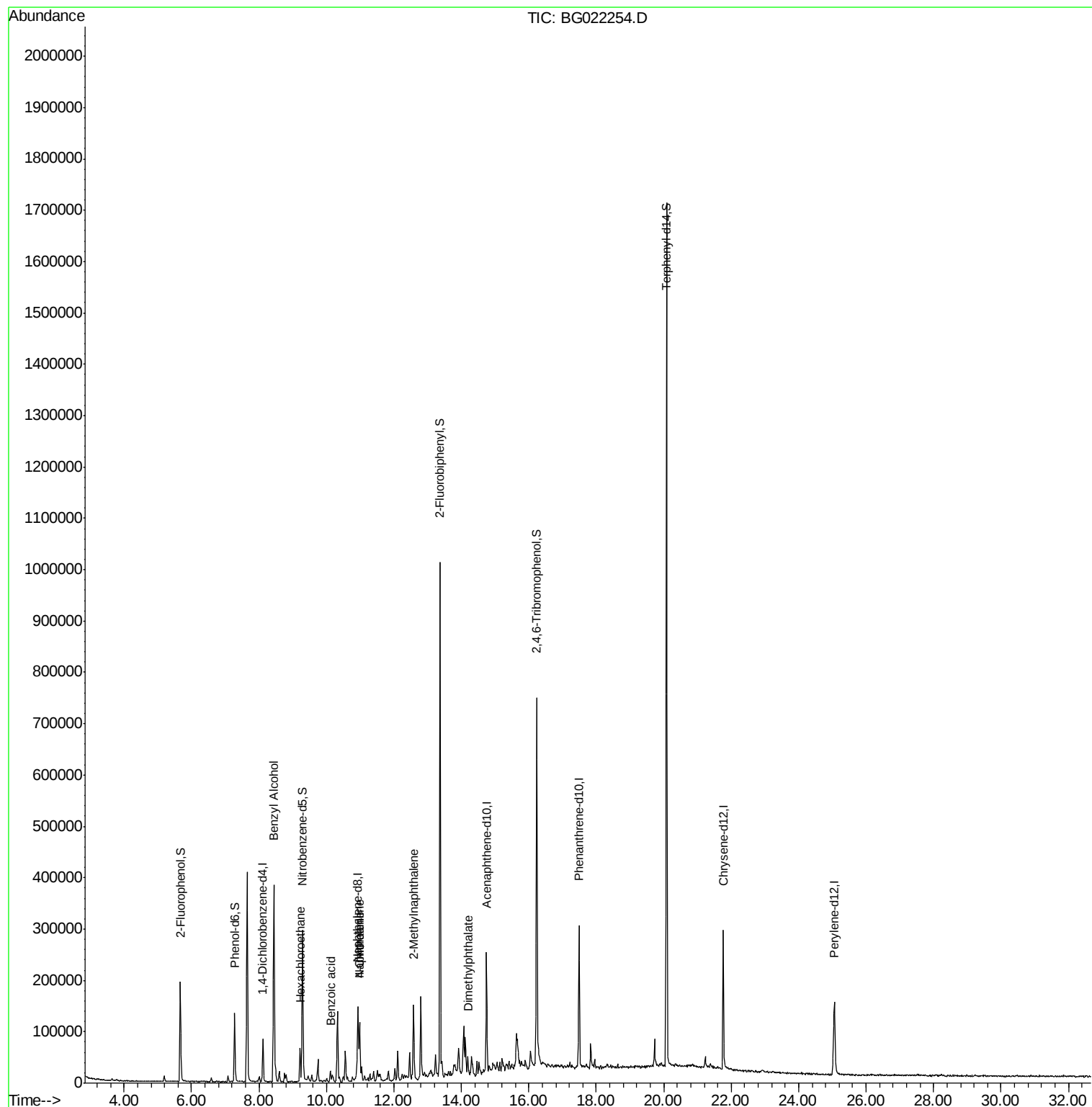
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	31333	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	153866	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	89419	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	187952	20.00	ng	0.00
75) Chrysene-d12	21.76	240	176773	20.00	ng	0.00
86) Perylene-d12	25.06	264	172431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	133937	82.65	ng	0.00
7) Phenol-d6	7.27	99	121202	47.57	ng	0.00
23) Nitrobenzene-d5	9.29	82	223357	101.20	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	151783	150.22	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	596846	101.72	ng	0.00
78) Terphenyl-d14	20.08	244	761524	102.27	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.44	79	3316	2.01	ng	# 48
18) Hexachloroethane	9.22	117	9574	10.96	ng	# 1
31) Naphthalene	10.99	128	102223	13.31	ng	# 95
32) Benzoic acid	10.12	122	62	7.35	ng	# 1
33) 4-Chloroaniline	10.99	127	14997	4.70	ng	# 41
37) 2-Methylnaphthalene	12.59	142	87772	15.48	ng	96
49) Dimethylphthalate	14.19	163	25378	3.42	ng	99

(#) = 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: BG022254.D

Acq: 9 Jun 2016 4:47

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W-40

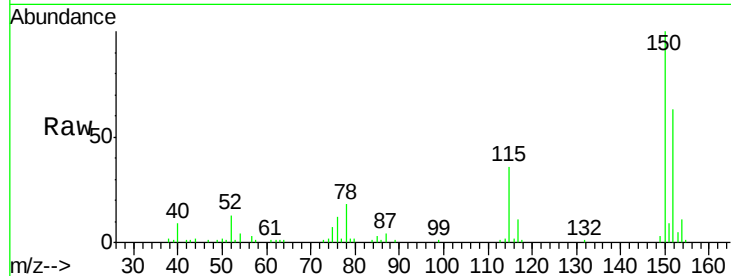
Tgt Ion:152 Resp: 31333

Ion Ratio Lower Upper

152 100

150 158.7 130.1 195.1

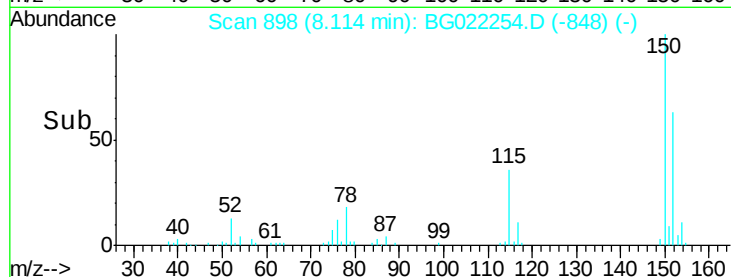
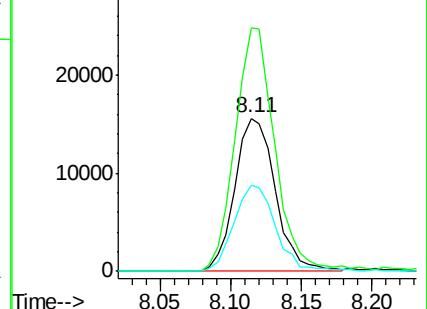
115 56.6 62.2 93.2#



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: 82.65 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

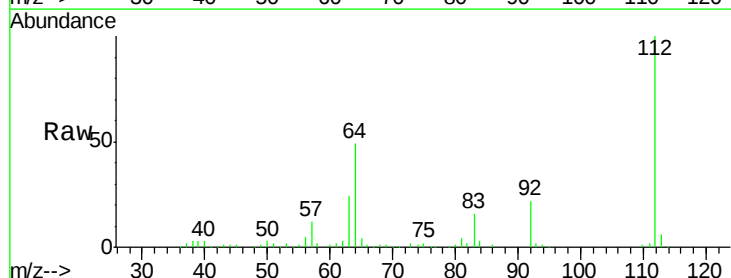
Tgt Ion:112 Resp: 133937

Ion Ratio Lower Upper

112 100

64 49.2 51.1 76.7#

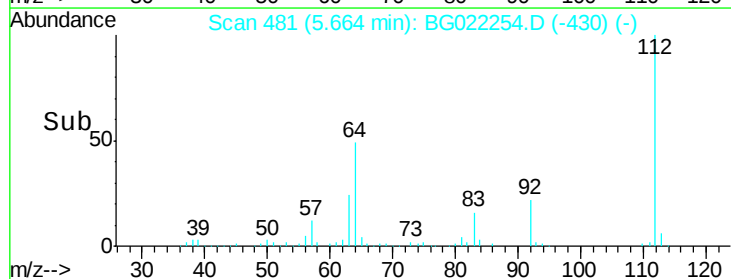
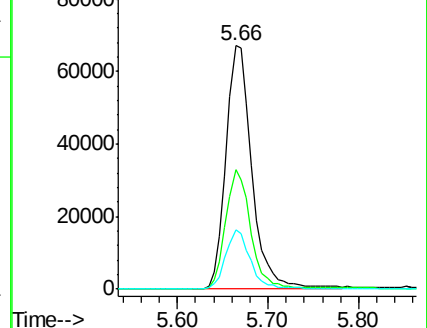
63 24.1 24.6 37.0#



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: 47.57 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA_G

ClientSampleId :

W-40

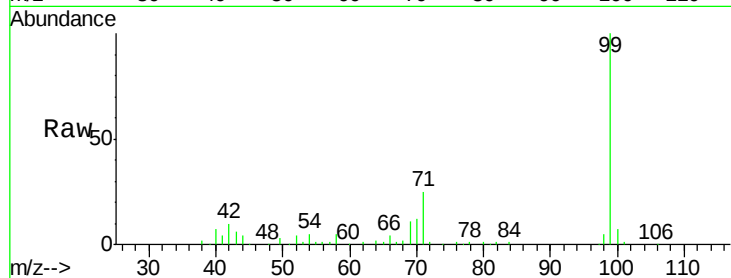
Tgt Ion: 99 Resp: 121202

Ion Ratio Lower Upper

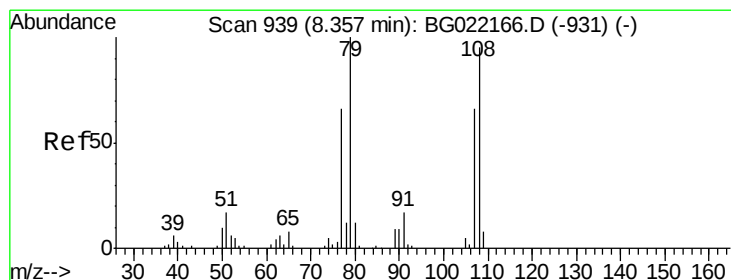
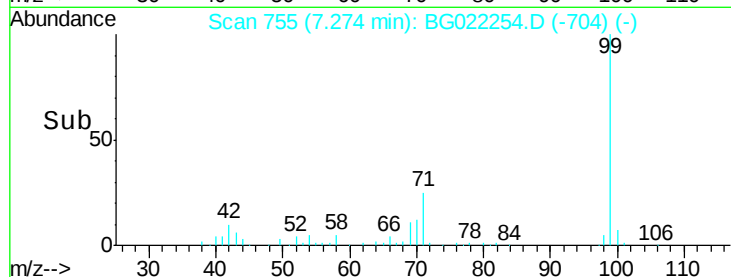
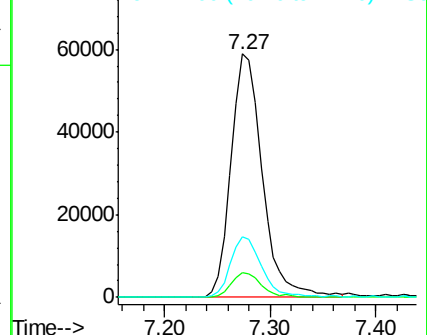
99 100

42 10.2 16.4 24.6#

71 25.1 25.0 37.4



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 8.44 min Scan# 953

Delta R.T. 0.08 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

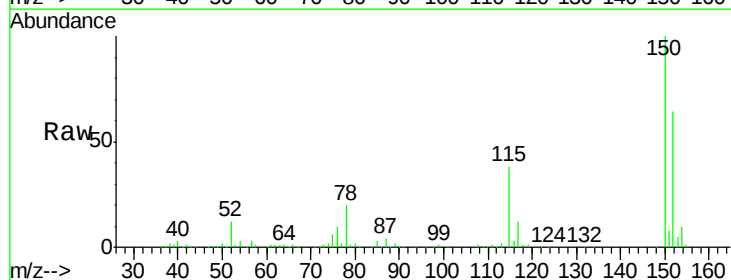
Tgt Ion: 79 Resp: 3316

Ion Ratio Lower Upper

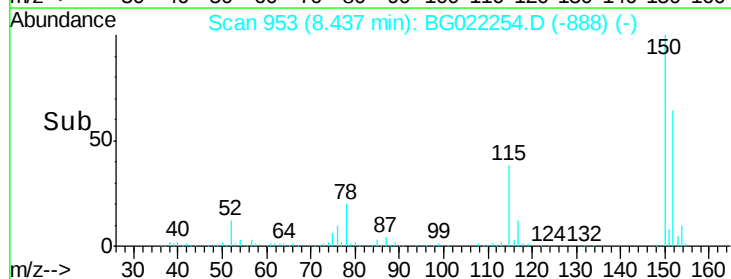
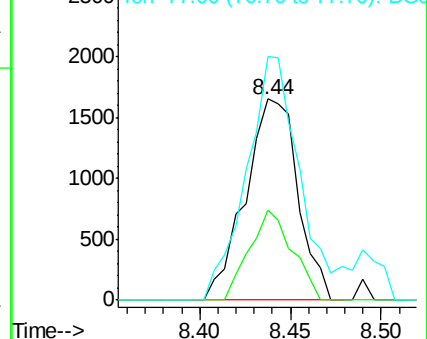
79 100

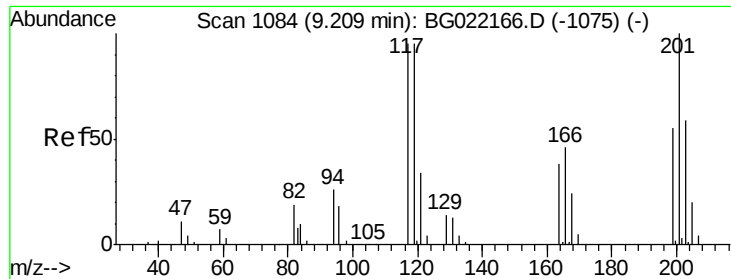
108 44.6 59.4 89.0#

77 121.2 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

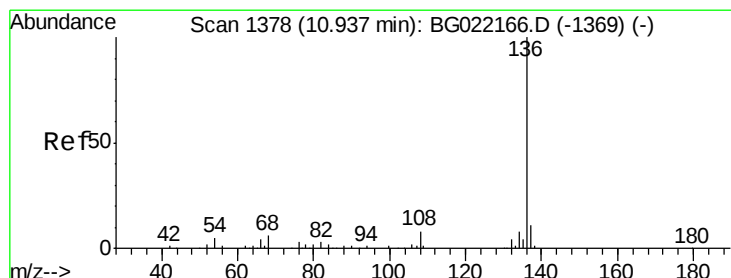
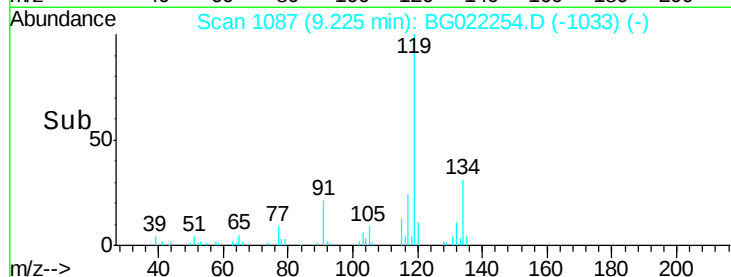
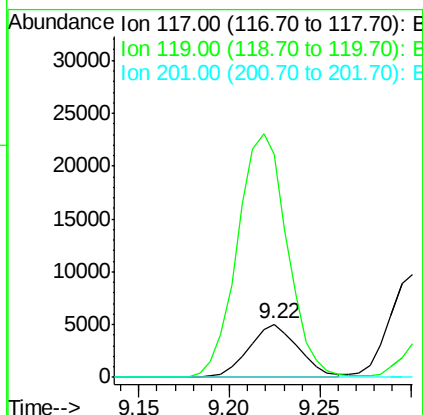
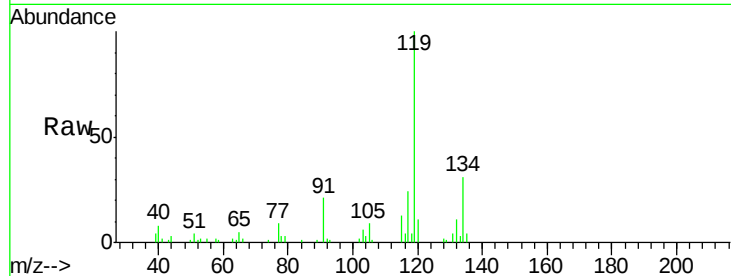




#18
Hexachloroethane
Concen: 10.96 ng
RT: 9.22 min Scan# 1087
Delta R.T. 0.02 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

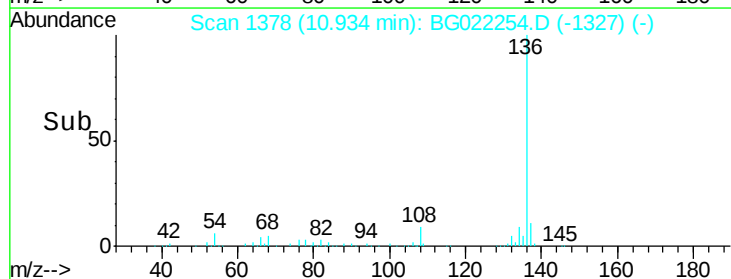
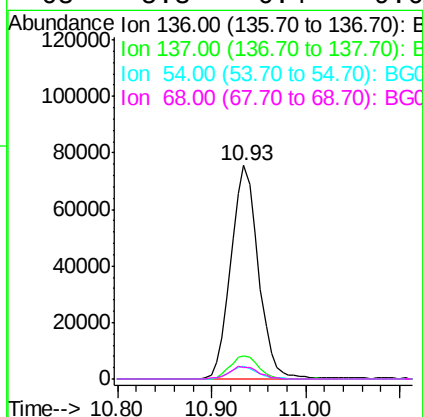
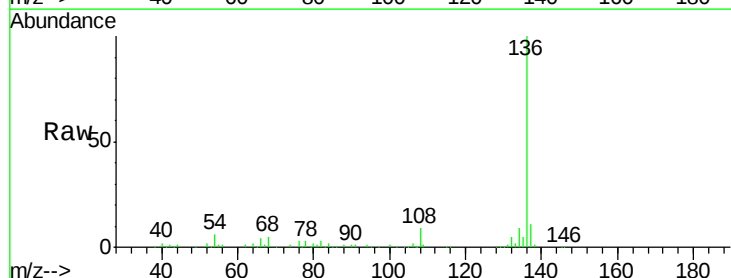
Instrument :
BNA_G
ClientSampleId :
W-40

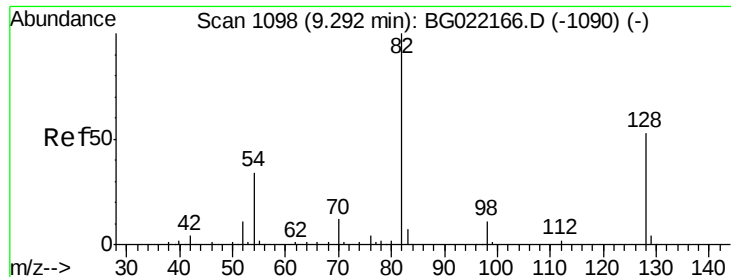
Tgt Ion:117 Resp: 9574
Ion Ratio Lower Upper
117 100
119 418.3 63.9 95.9#
201 0.0 61.2 91.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

Tgt Ion:136 Resp: 153866
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 5.9 9.6 14.4#
68 5.3 6.4 9.6#

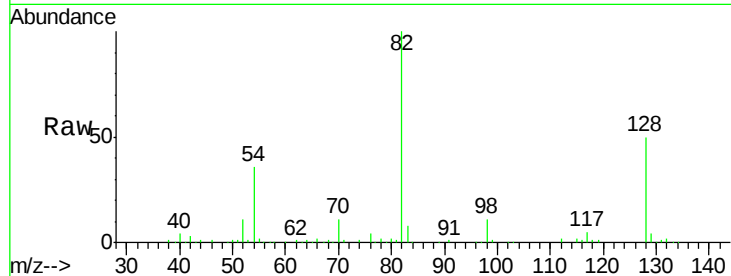




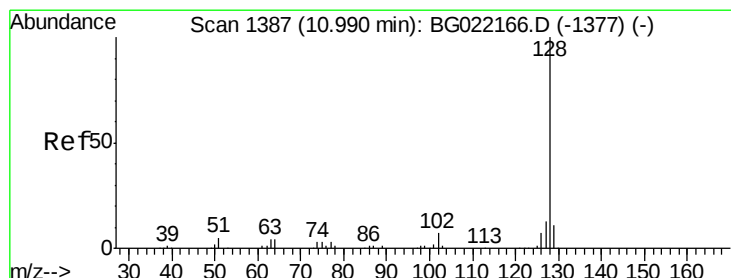
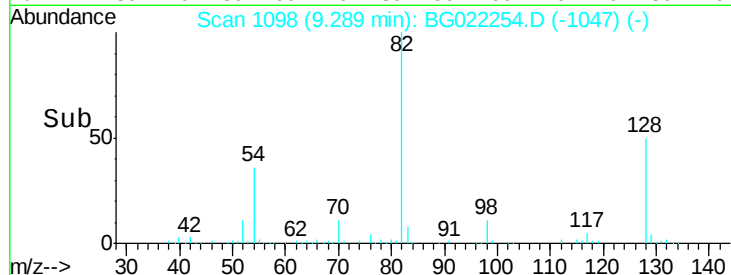
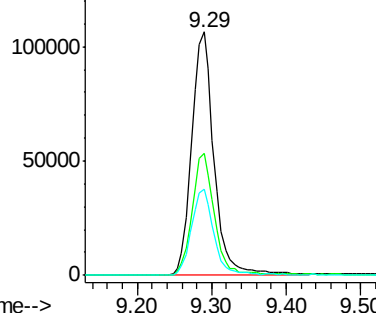
#23
 Nitrobenzene-d5
 Concen: 101.20 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022254.D
 Acq: 9 Jun 2016 4:47

Instrument :
 BNA_G
 ClientSampleId :
 W-40

Tgt Ion: 82 Resp: 223357
 Ion Ratio Lower Upper
 82 100
 128 50.1 33.4 50.0#
 54 35.5 46.1 69.1#

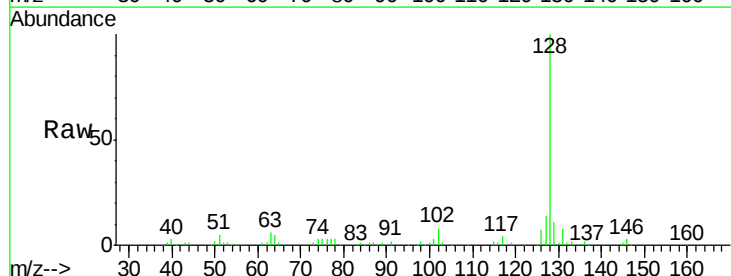


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

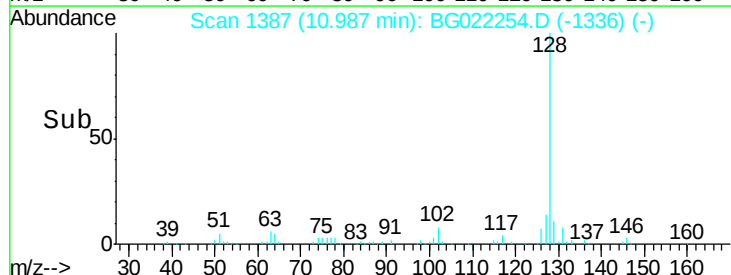
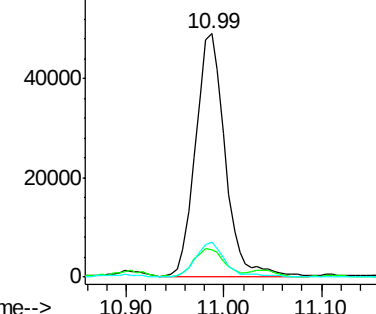


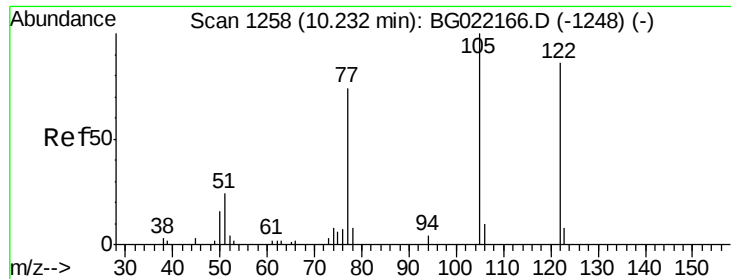
#31
 Naphthalene
 Concen: 13.31 ng
 RT: 10.99 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BG022254.D
 Acq: 9 Jun 2016 4:47

Tgt Ion: 128 Resp: 102223
 Ion Ratio Lower Upper
 128 100
 129 11.2 7.0 10.6#
 127 14.4 10.1 15.1



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

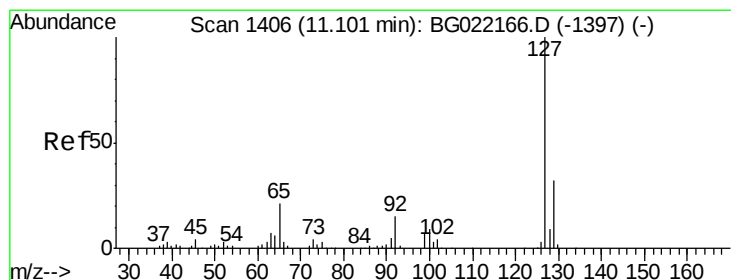
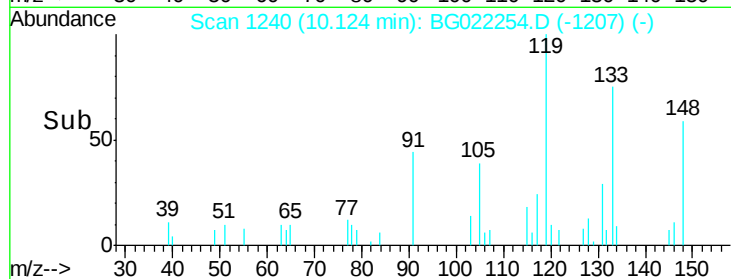
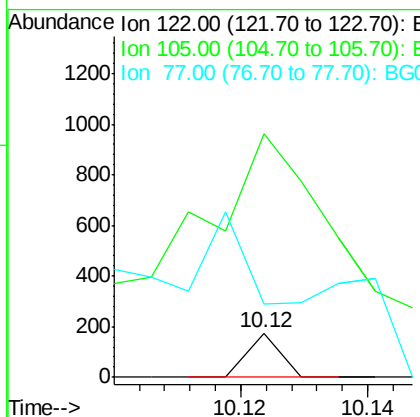
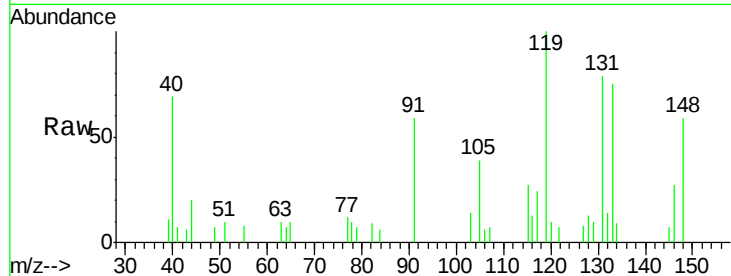




#32
Benzoic acid
Concen: 7.35 ng
RT: 10.12 min Scan# 1240
Delta R.T. -0.11 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

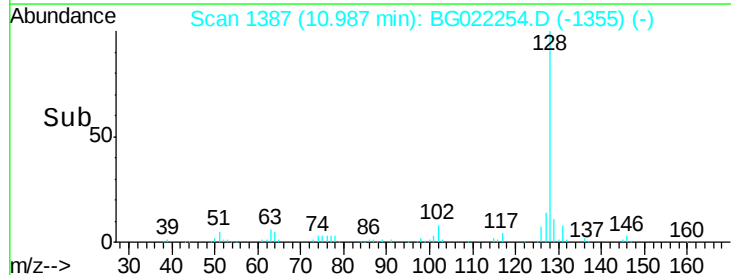
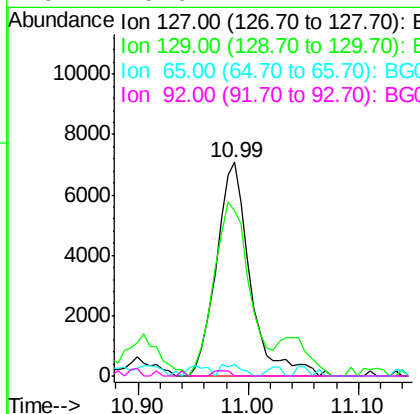
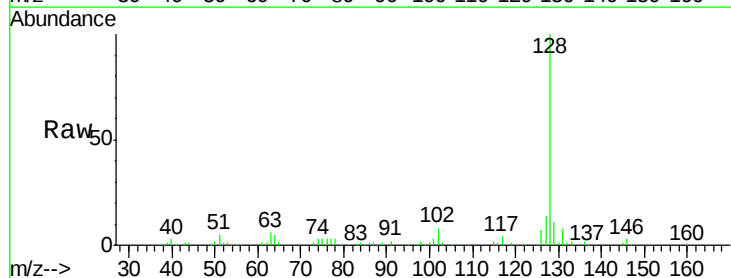
Instrument :
BNA_G
ClientSampled :
W-40

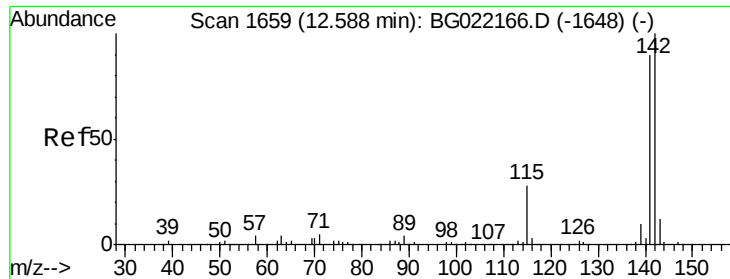
Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 546.6 104.5 144.5#
77 164.2 79.9 119.9#



#33
4-Chloroaniline
Concen: 4.70 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.11 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

Tgt Ion:127 Resp: 14997
Ion Ratio Lower Upper
127 100
129 77.5 26.6 39.8#
65 5.7 27.5 41.3#
92 0.0 14.7 22.1#

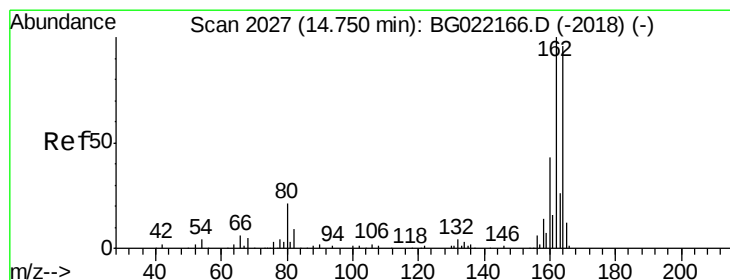
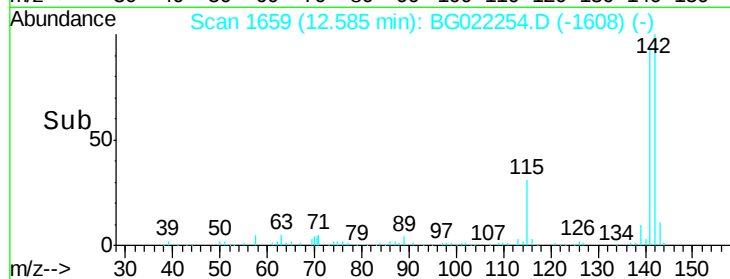
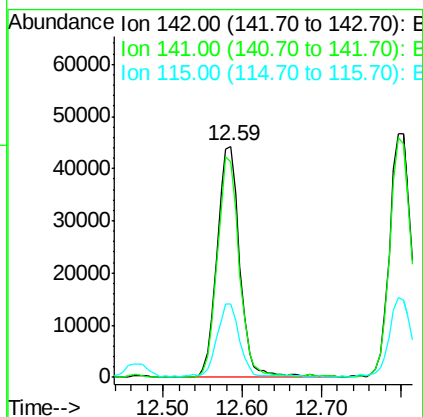
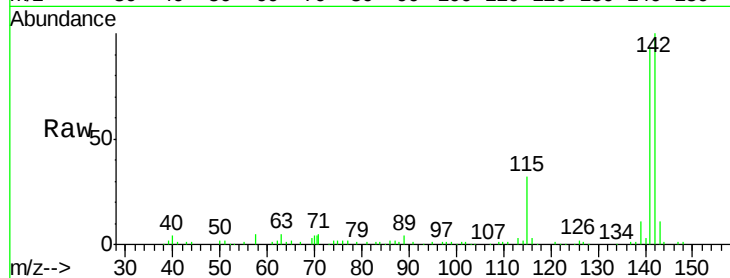




#37
 2-Methylnaphthalene
 Concen: 15.48 ng
 RT: 12.59 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: BG022254.D
 Acq: 9 Jun 2016 4:47

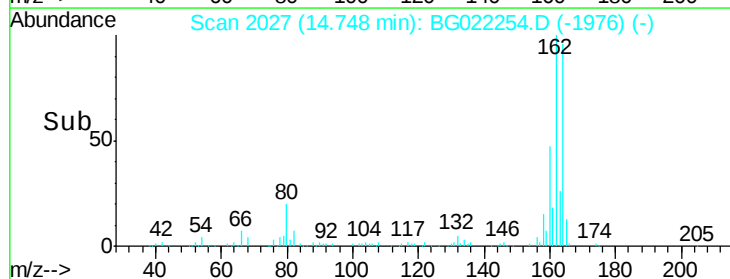
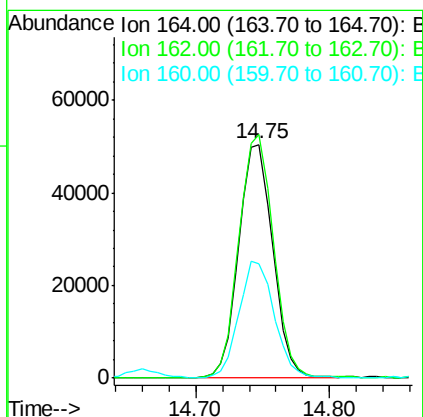
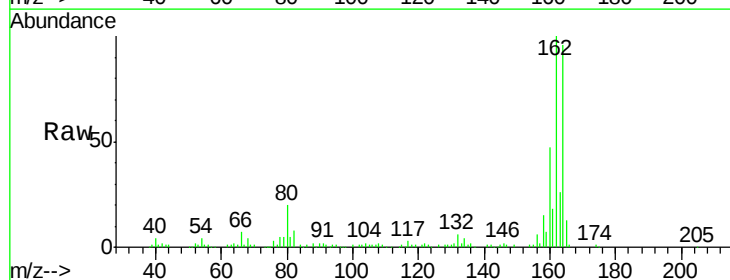
Instrument :
 BNA_G
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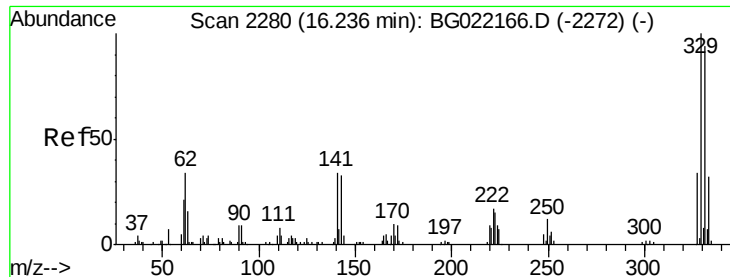
Tgt Ion:142 Resp: 87772
 Ion Ratio Lower Upper
 142 100
 141 93.0 71.4 107.0
 115 31.7 27.4 41.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BG022254.D
 Acq: 9 Jun 2016 4:47

Tgt Ion:164 Resp: 89419
 Ion Ratio Lower Upper
 164 100
 162 104.2 78.0 117.0
 160 48.9 32.9 49.3





#41

2,4,6-Tribromophenol

Concen: 150.22 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA_G

ClientSampleId :

W-40

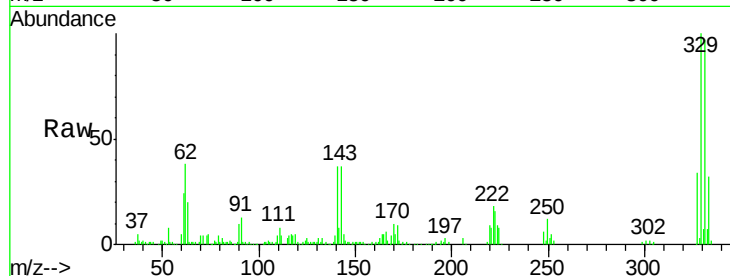
Tgt Ion:330 Resp: 151783

Ion Ratio Lower Upper

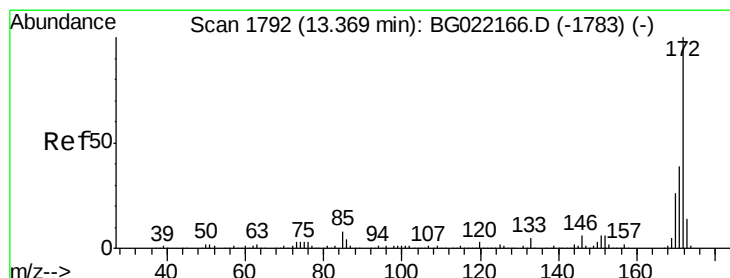
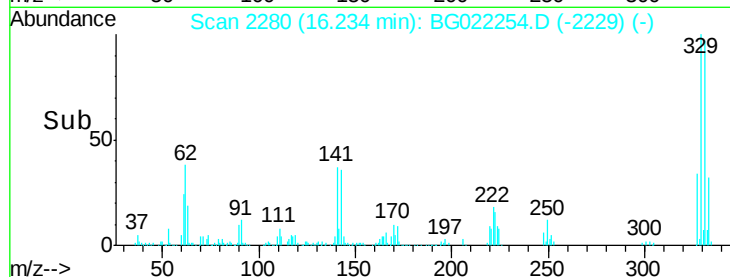
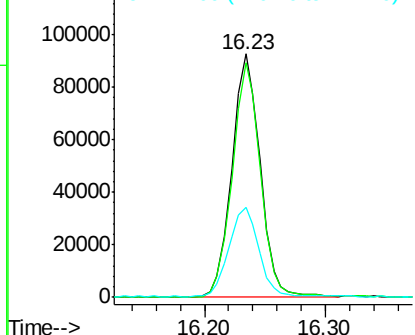
330 100

332 96.4 78.0 117.0

141 38.5 33.8 50.8



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: 101.72 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

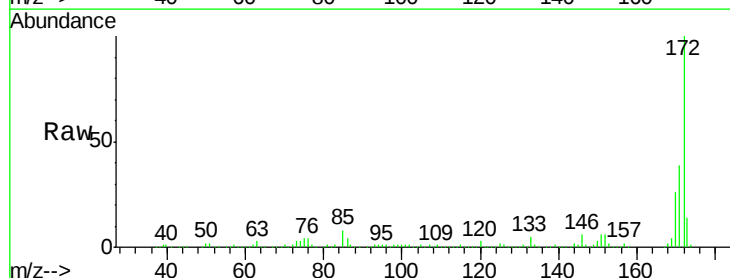
Tgt Ion:172 Resp: 596846

Ion Ratio Lower Upper

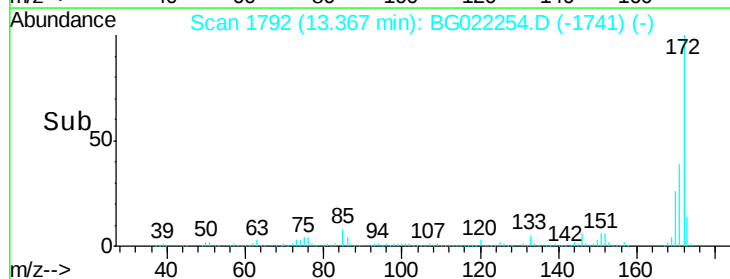
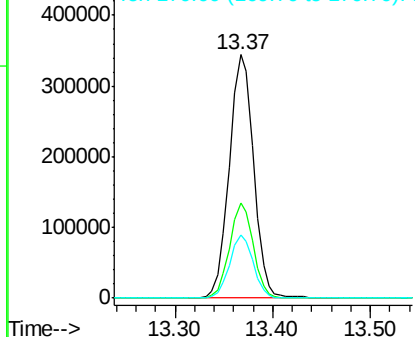
172 100

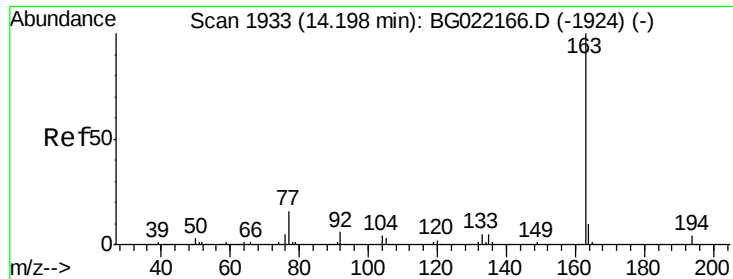
171 39.0 27.8 41.6

170 25.8 19.6 29.4



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: 3.42 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

Instrument :

BNA_G

ClientSampleId :

W-40

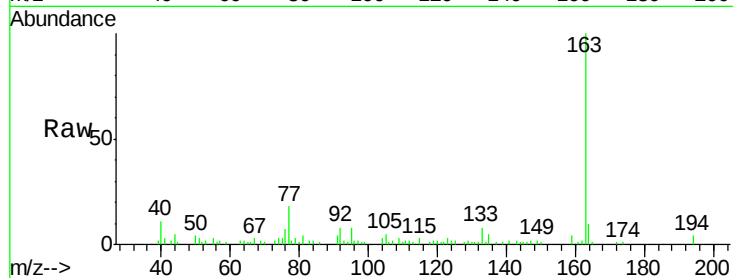
Tgt Ion:163 Resp: 25378

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

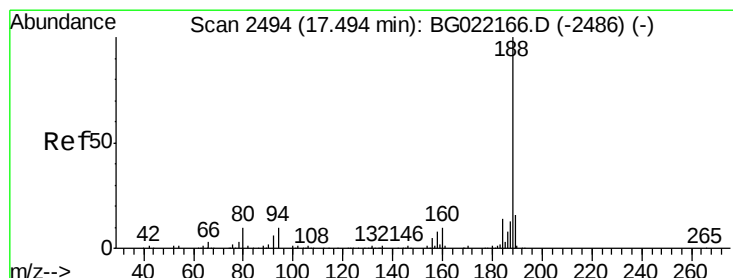
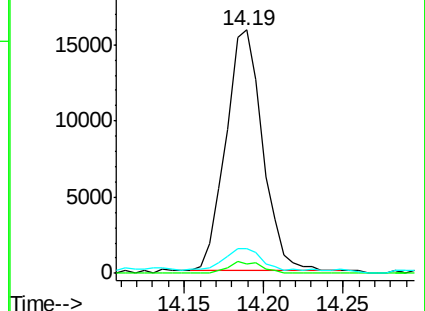
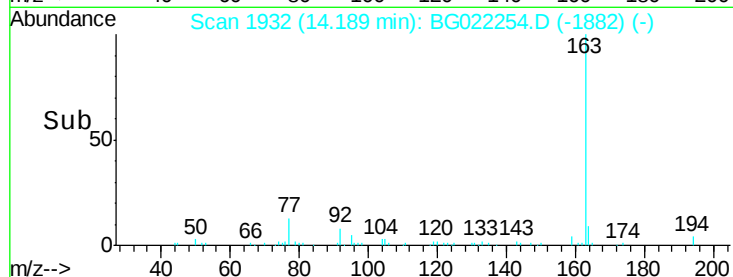
164 10.3 8.1 12.1



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: 17.49 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BG022254.D

Acq: 9 Jun 2016 4:47

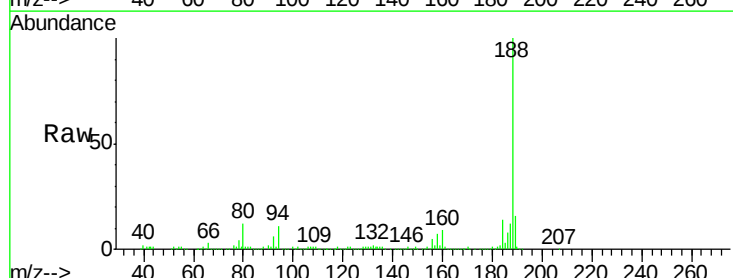
Tgt Ion:188 Resp: 187952

Ion Ratio Lower Upper

188 100

94 11.0 7.5 11.3

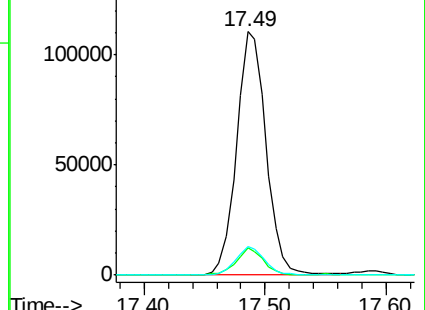
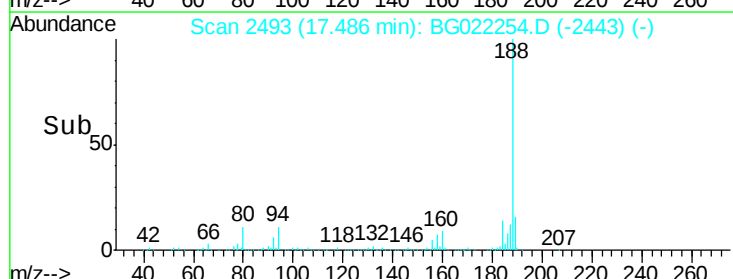
80 11.6 8.6 13.0

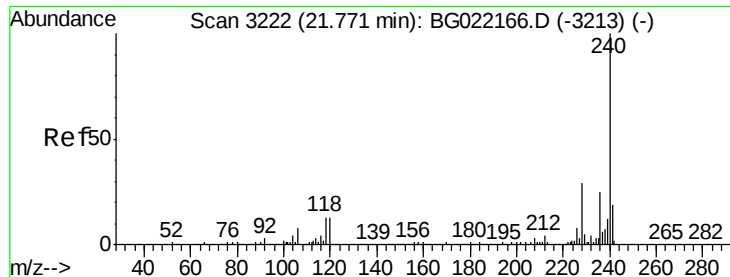


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

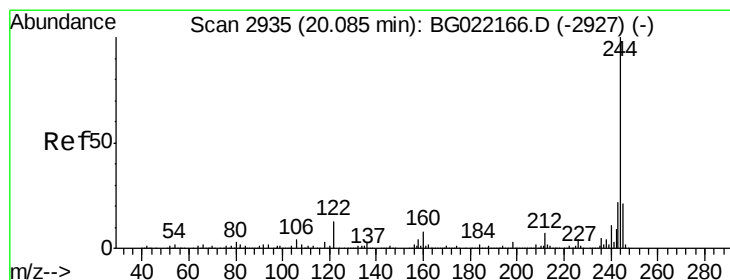
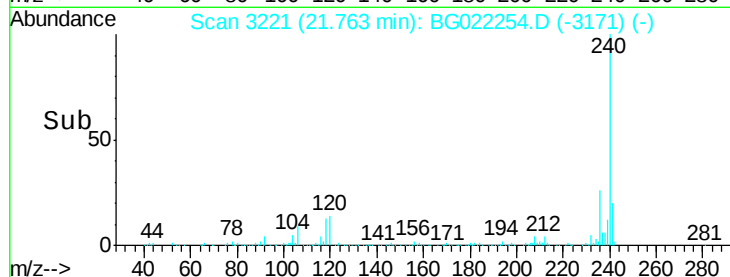
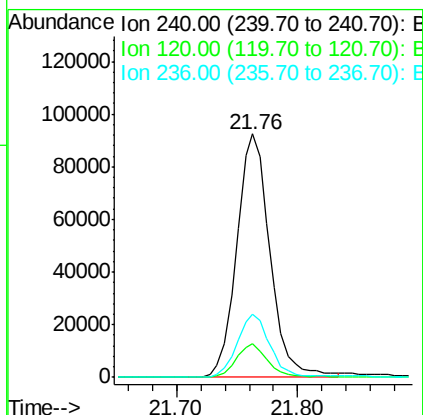
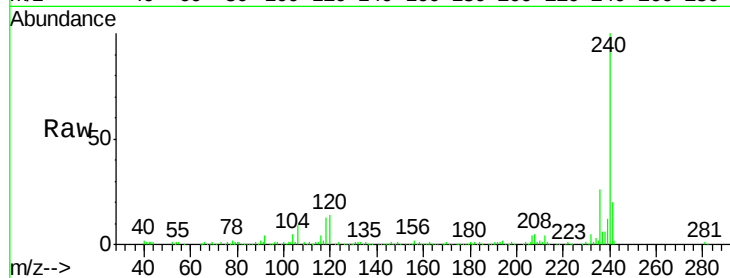




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

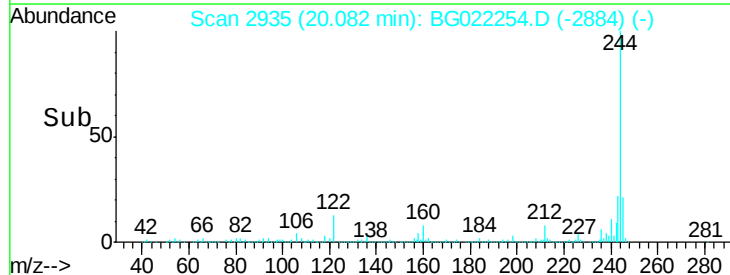
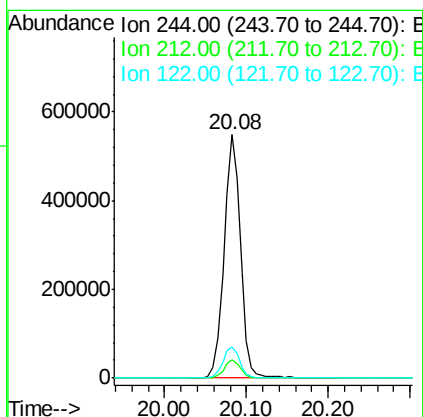
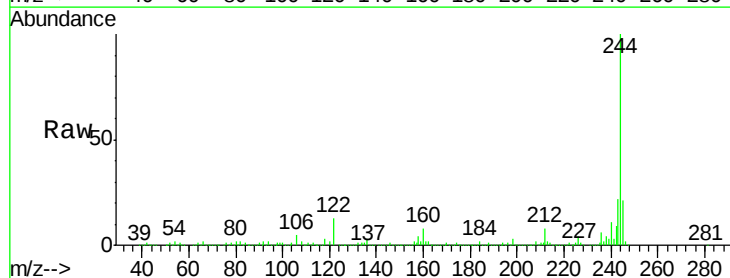
Instrument :
BNA_G
ClientSampleId :
W-40

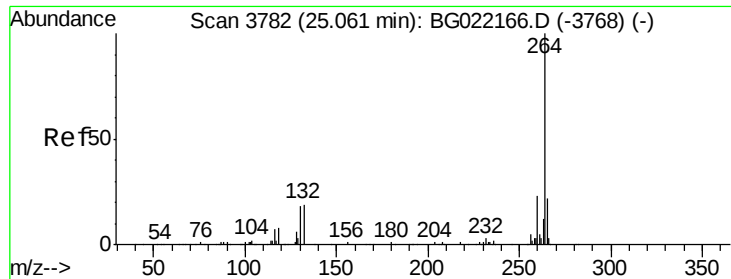
Tgt Ion:240 Resp: 176773
Ion Ratio Lower Upper
240 100
120 13.8 8.4 12.6#
236 26.2 19.6 29.4



#78
Terphenyl-d14
Concen: 102.27 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.00 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

Tgt Ion:244 Resp: 761524
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 13.0 8.6 12.8#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.06 min Scan# 3782
Delta R.T. -0.00 min
Lab File: BG022254.D
Acq: 9 Jun 2016 4:47

Instrument :
BNA_G
ClientSampleId :
W-40

Tgt Ion: 264 Resp: 172431
Ion Ratio Lower Upper
264 100
260 25.8 20.2 30.4
265 21.4 17.8 26.8

