

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020979.D
 Acq On : 19 Feb 2016 19:36
 Operator : SJ/UM
 Sample : H1509-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Quant Time: Feb 19 21:50:18 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	20598	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	107019	20.00	ng	-0.02
38) Acenaphthene-d10	14.87	164	68694	20.00	ng	-0.02
63) Phenanthrene-d10	17.61	188	138276	20.00	ng	0.00
75) Chrysene-d12	21.89	240	129278	20.00	ng	-0.02
86) Perylene-d12	25.26	264	123264	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.80	112	81527	66.65	ng	0.00
7) Phenol-d6	7.40	99	70277	39.31	ng	0.00
23) Nitrobenzene-d5	9.43	82	164035	100.78	ng	0.00
41) 2,4,6-Tribromophenol	16.35	330	114264	169.15	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	479753	98.10	ng	0.00
78) Terphenyl-d14	20.19	244	501307	90.46	ng	-0.02

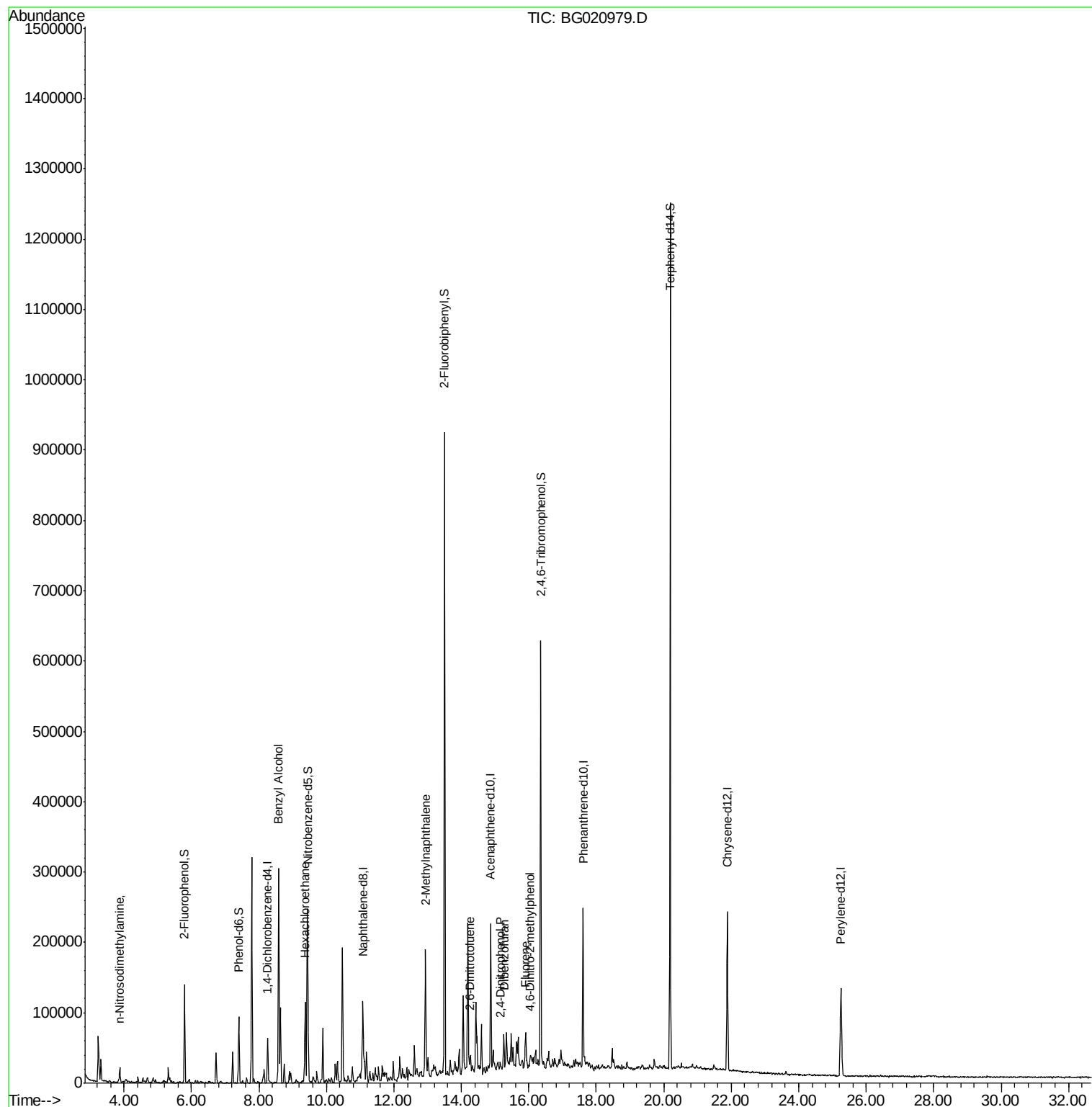
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.87	42	1469	4.27	ng	# 1
15) Benzyl Alcohol	8.59	79	2317	2.06	ng	# 40
18) Hexachloroethane	9.37	117	18363	32.61	ng	# 1
37) 2-Methylnaphthalene	12.94	142	86577	22.29	ng	95
50) 2,6-Dinitrotoluene	14.27	165	2442	2.12	ng	# 72
53) 2,4-Dinitrophenol	15.16	184	436	9.22	ng	# 66
54) Dibenzofuran	15.26	168	12361	2.04	ng	# 85
57) Fluorene	15.91	166	15374	2.76	ng	# 98
64) 4,6-Dinitro-2-methylphenol	16.05	198	188	5.75	ng	# 1

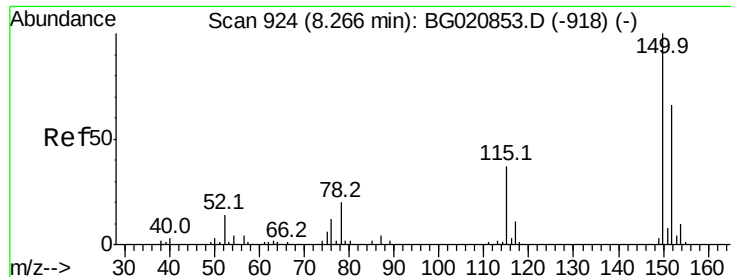
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 922

Delta R.T. -0.01 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

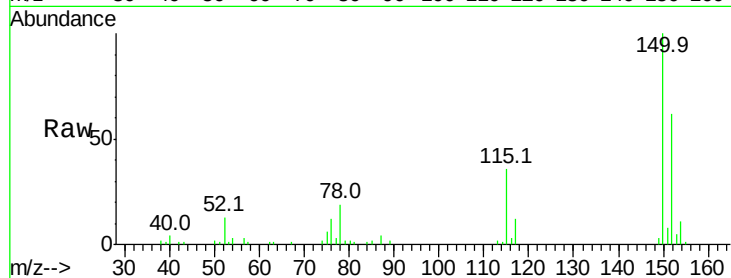
Tot Ion:152 Resp: 20598

Ion Ratio Lower Upper

152 100

150 160.2 122.0 183.0

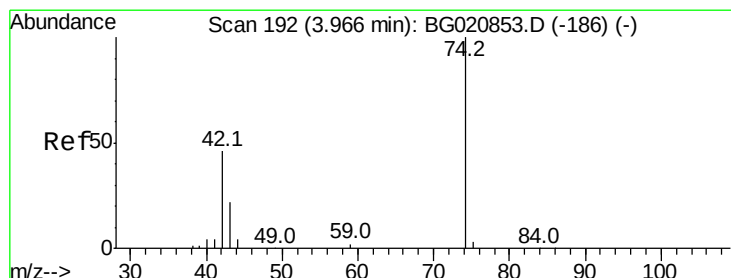
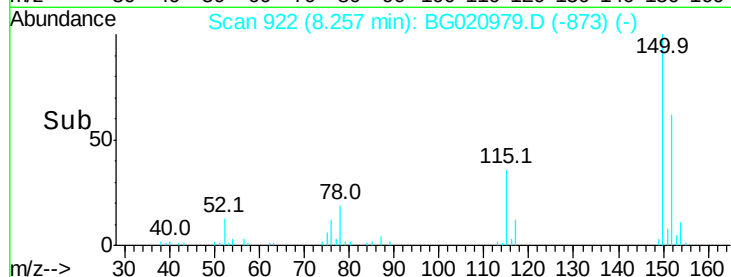
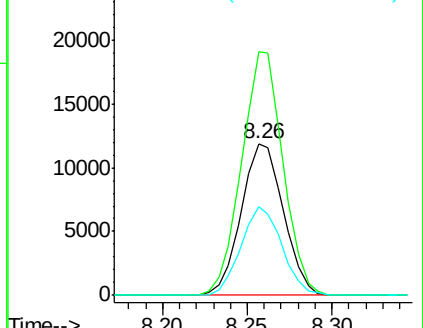
115 58.4 45.2 67.8



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



#4

n-Nitrosodimethylamine

Concen: 4.27 ng

RT: 3.87 min Scan# 176

Delta R.T. -0.09 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

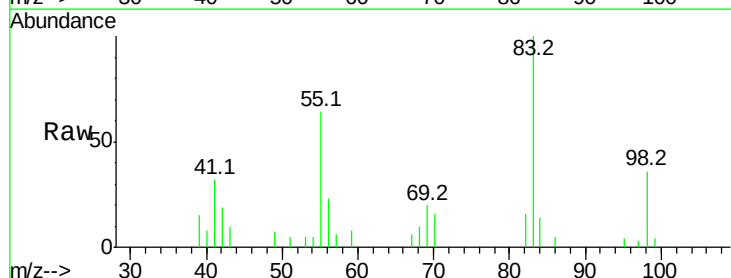
Tgt Ion: 42 Resp: 1469

Ion Ratio Lower Upper

42 100

74 0.0 173.8 260.6#

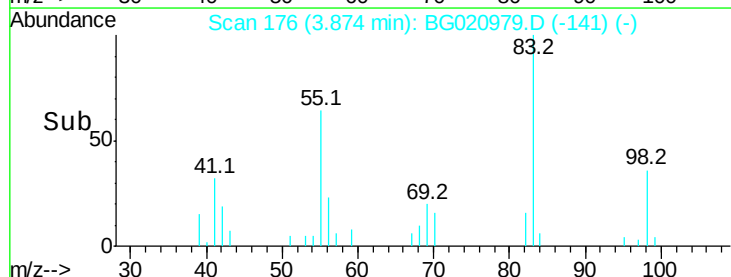
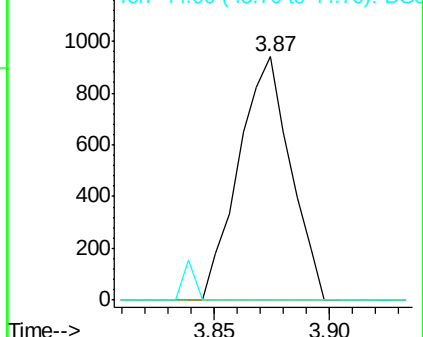
44 0.0 6.3 9.5#

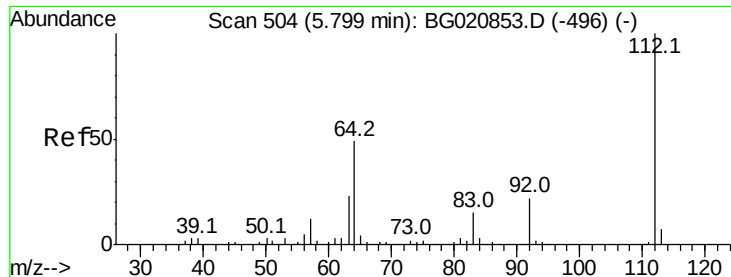


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 66.65 ng

RT: 5.80 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

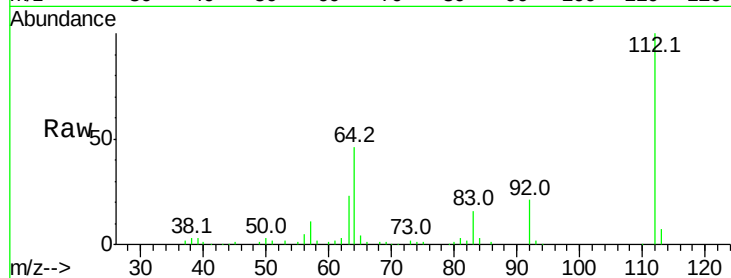
Tot Ion:112 Resp: 81527

Ion Ratio Lower Upper

112 100

64 46.0 39.3 58.9

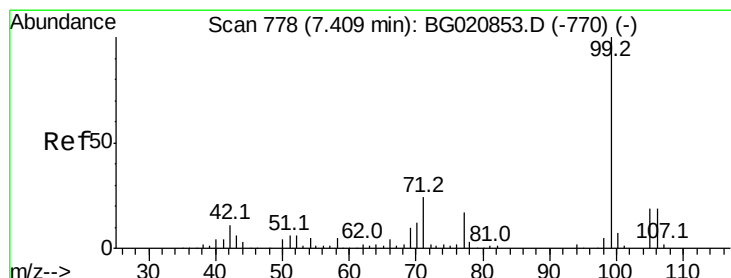
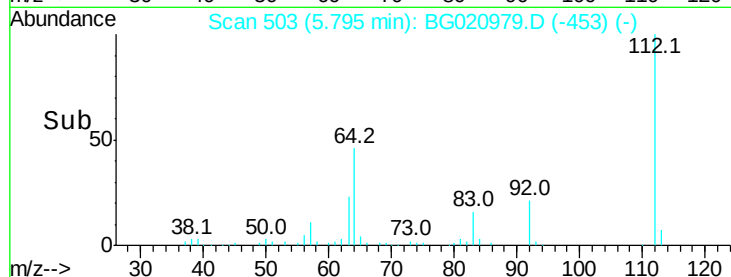
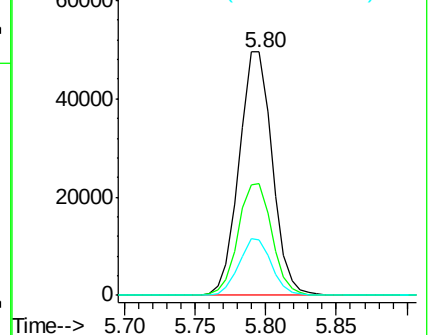
63 22.9 18.2 27.4



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



#7

Phenol-d6

Concen: 39.31 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

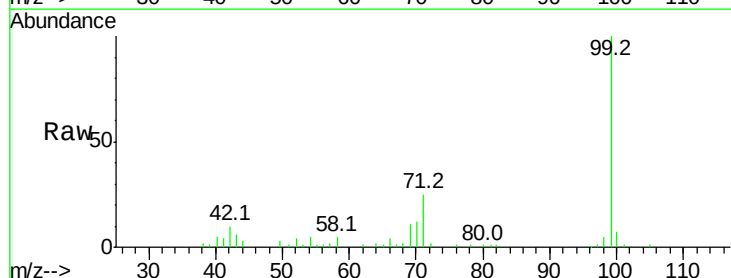
Tgt Ion: 99 Resp: 70277

Ion Ratio Lower Upper

99 100

42 9.9 8.4 12.6

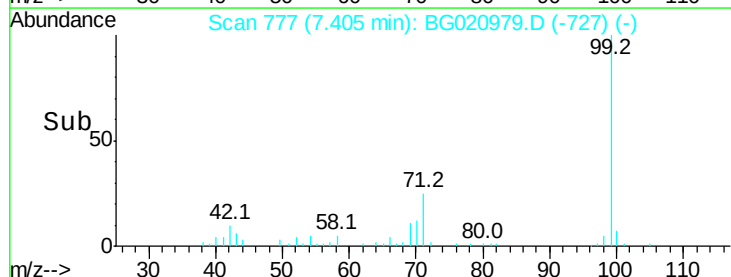
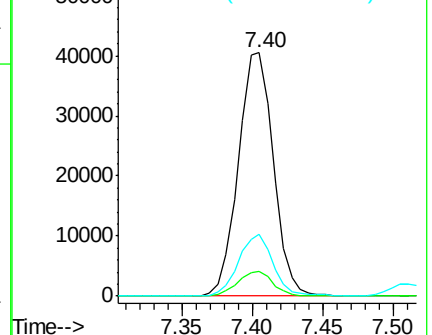
71 25.3 19.4 29.0

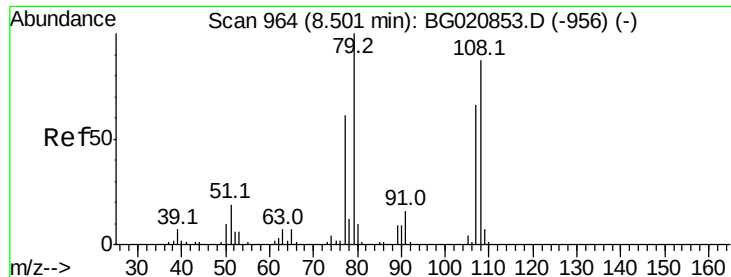


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 8.59 min Scan# 978

Delta R.T. 0.08 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

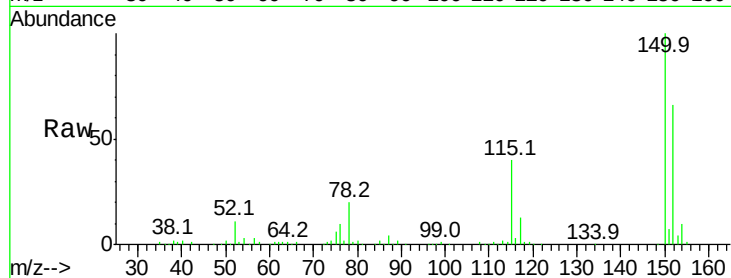
Tot Ion: 79 Resp: 2317

Ion Ratio Lower Upper

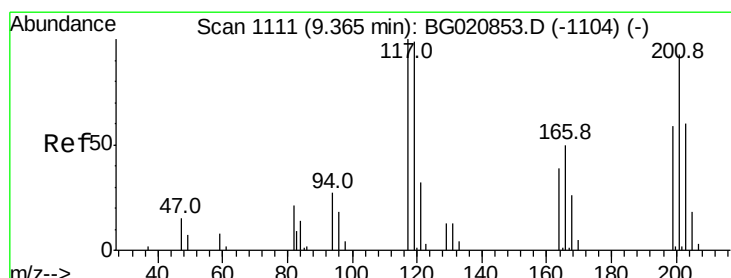
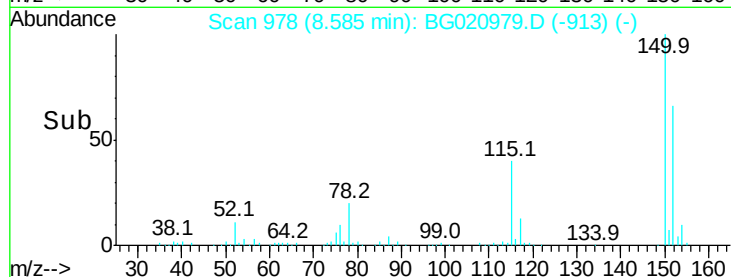
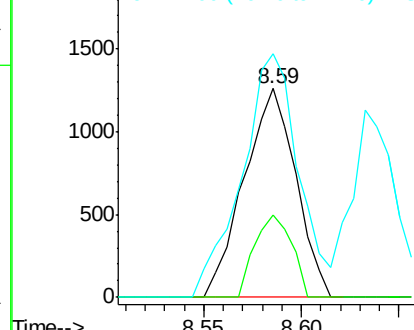
79 100

108 39.6 69.4 104.2#

77 116.6 48.6 73.0#



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: 32.61 ng

RT: 9.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

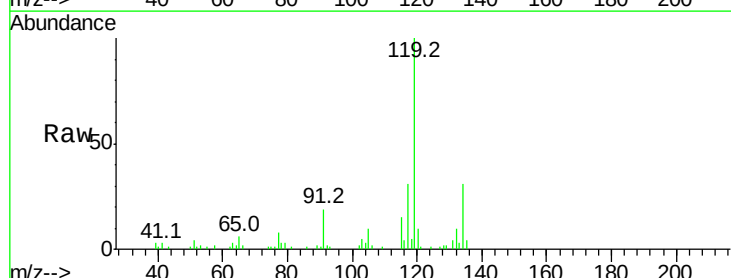
Tgt Ion: 117 Resp: 18363

Ion Ratio Lower Upper

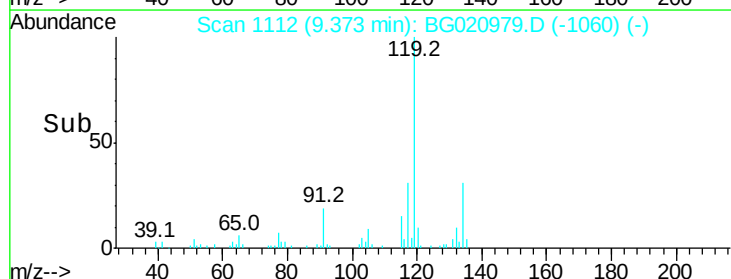
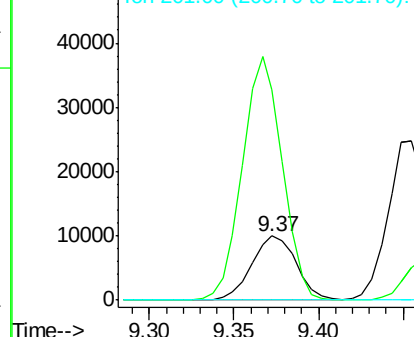
117 100

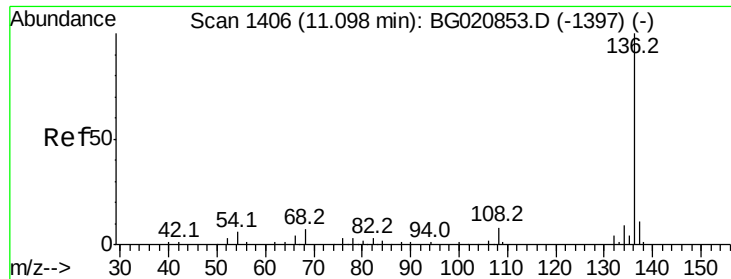
119 327.8 79.6 119.4#

201 0.0 74.5 111.7#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 119.00 (118.70 to 119.70): BGC
Ion 201.00 (200.70 to 201.70): BGC

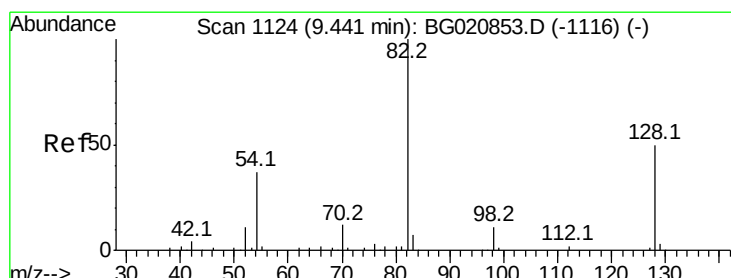
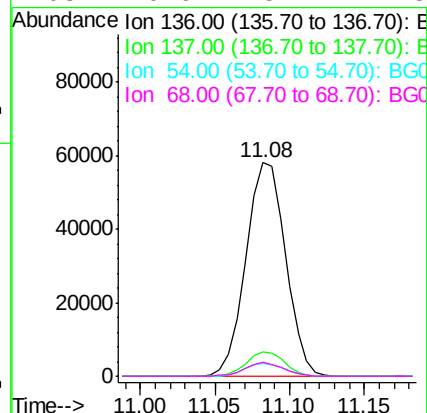
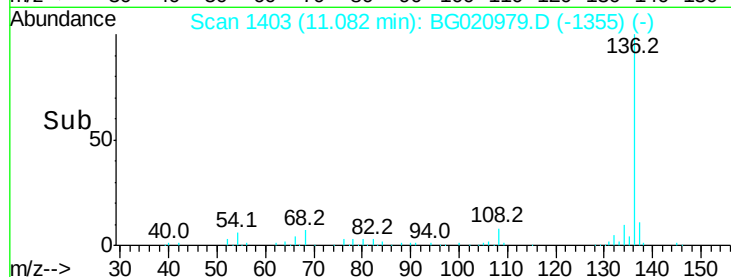
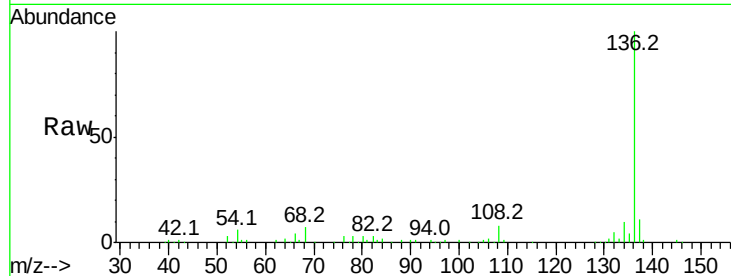




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

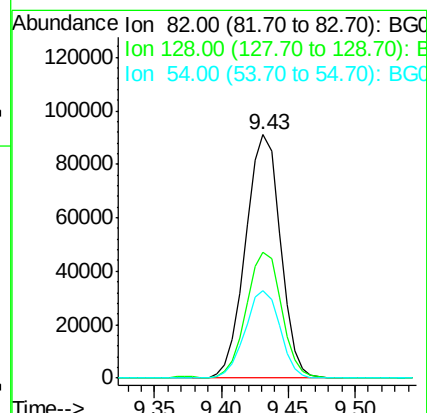
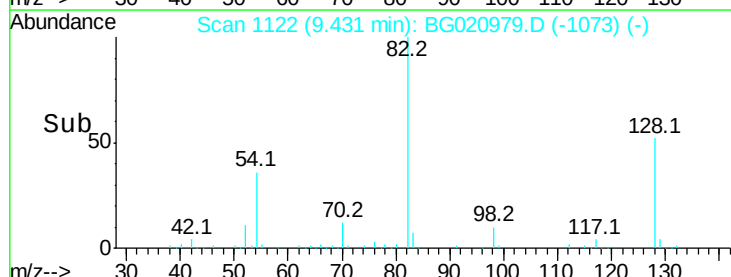
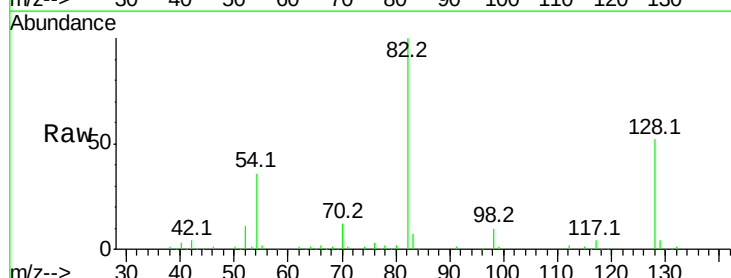
Instrument :
BNA_G
ClientSampleId :
MW-1

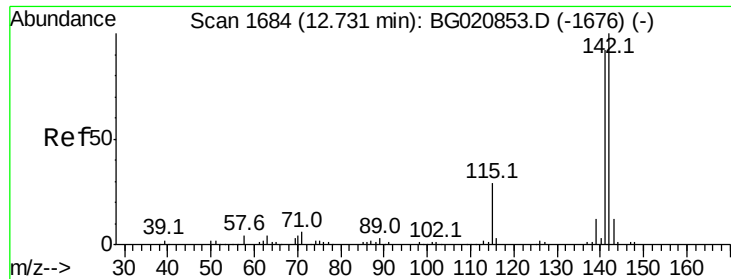
Tot Ion:136	Resp:	107019
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.8 13.2
54	6.2	5.0 7.4
68	6.9	5.2 7.8



#23
Nitrobenzene-d5
Concen: 100.78 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

Tgt Ion: 82	Resp:	164035
Ion	Ratio	Lower Upper
82	100	
128	51.9	40.1 60.1
54	35.8	29.5 44.3

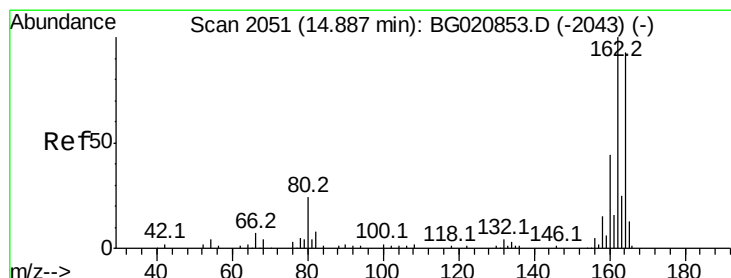
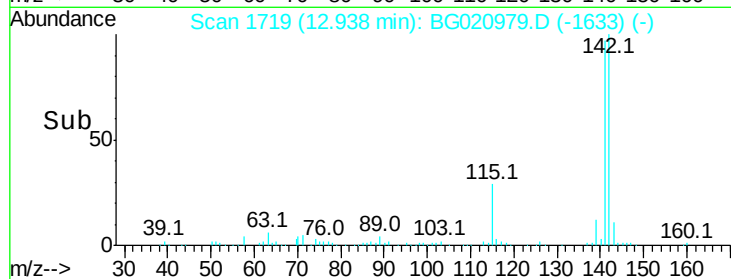
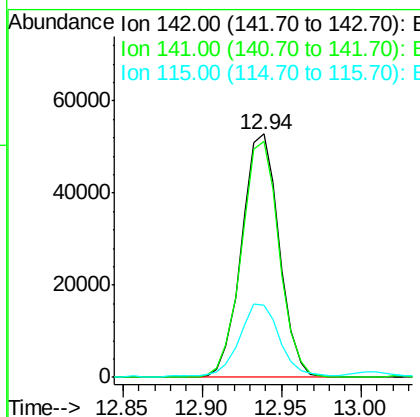
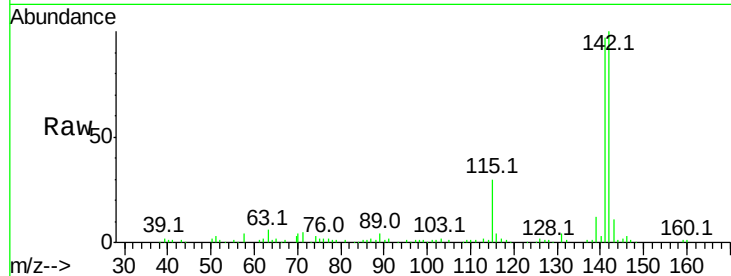




#37
2-Methylnaphthalene
Concen: 22.29 ng
RT: 12.94 min Scan# 1719
Delta R.T. 0.21 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

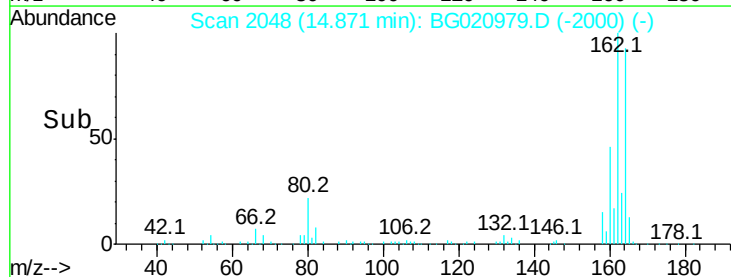
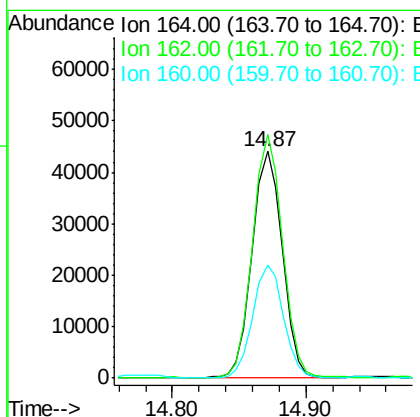
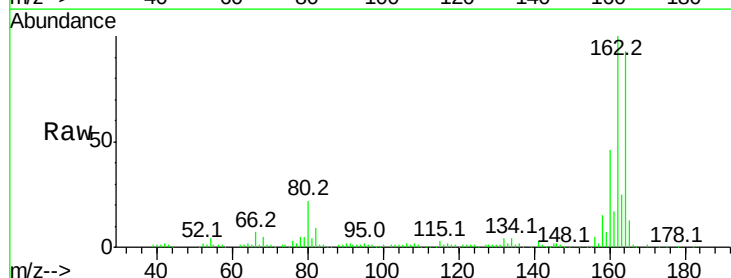
Instrument :
BNA_G
ClientSampleId :
MW-1

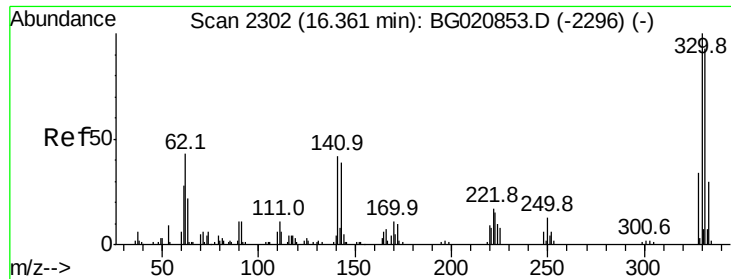
Tot Ion:142 Resp: 86577
Ion Ratio Lower Upper
142 100
141 97.0 73.4 110.2
115 29.6 23.0 34.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

Tgt Ion:164 Resp: 68694
Ion Ratio Lower Upper
164 100
162 107.4 85.7 128.5
160 49.8 37.4 56.0





#41

2,4,6-Tribromophenol

Concen: 169.15 ng

RT: 16.35 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

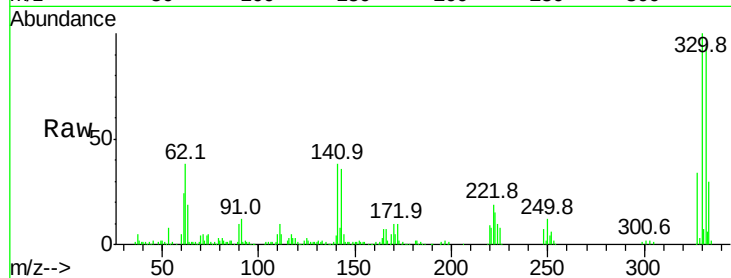
Tot Ion:330 Resp: 114264

Ion Ratio Lower Upper

330 100

332 96.8 76.1 114.1

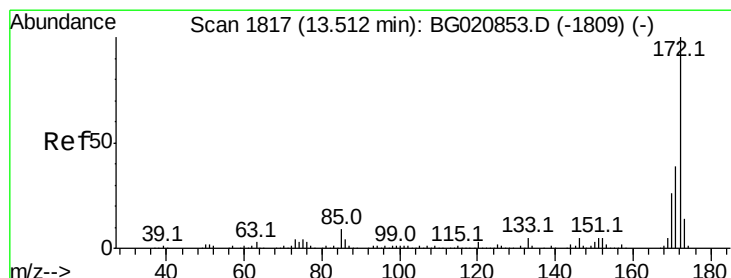
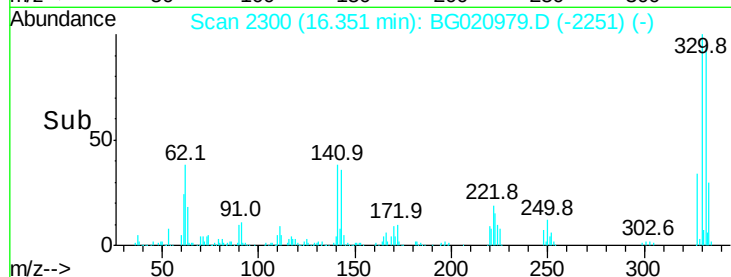
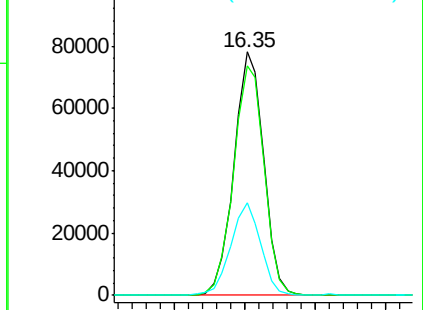
141 37.6 32.0 48.0



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: 98.10 ng

RT: 13.50 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

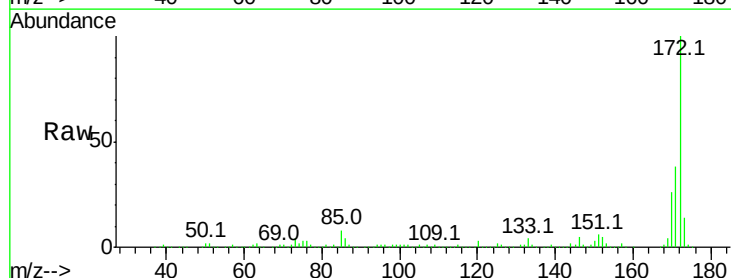
Tgt Ion:172 Resp: 479753

Ion Ratio Lower Upper

172 100

171 38.4 31.2 46.8

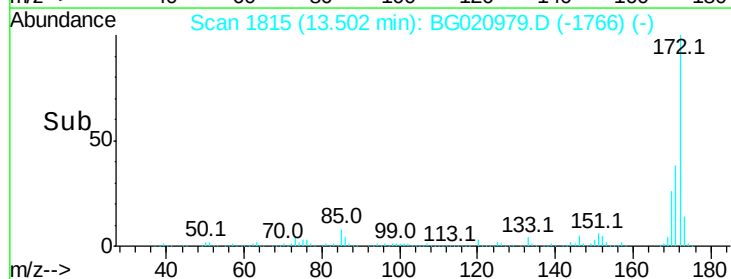
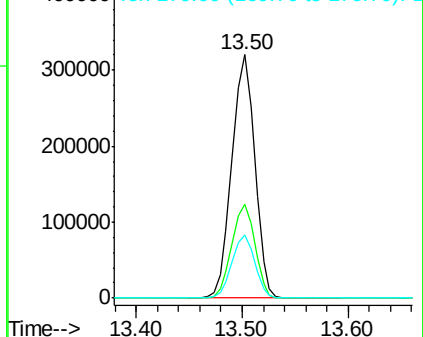
170 25.8 20.6 30.8

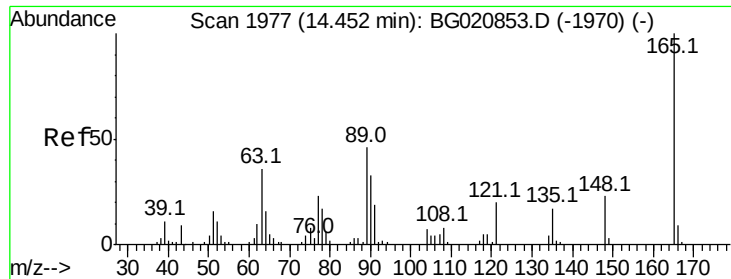


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

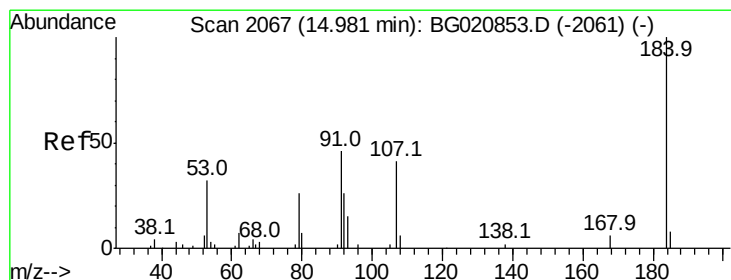
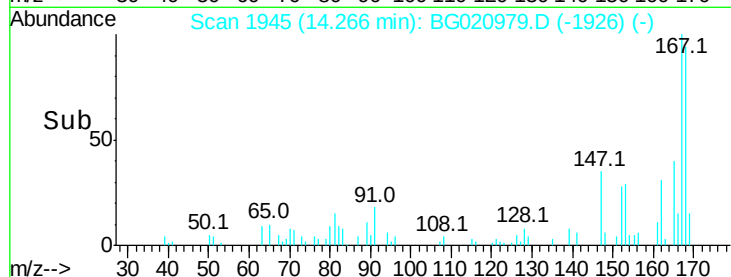
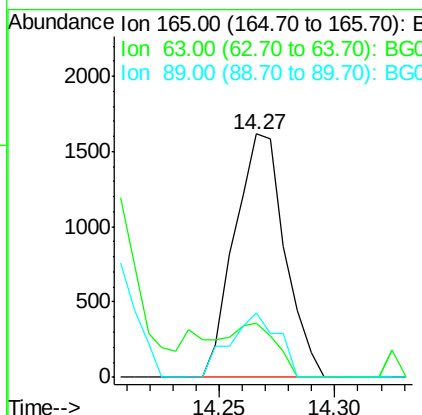
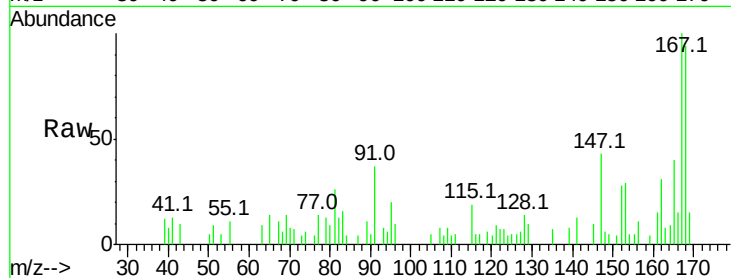




#50
 2,6-Dinitrotoluene
 Concen: 2.12 ng
 RT: 14.27 min Scan# 1945
 Delta R.T. -0.19 min
 Lab File: BG020979.D
 Acq: 19 Feb 2016 19:36

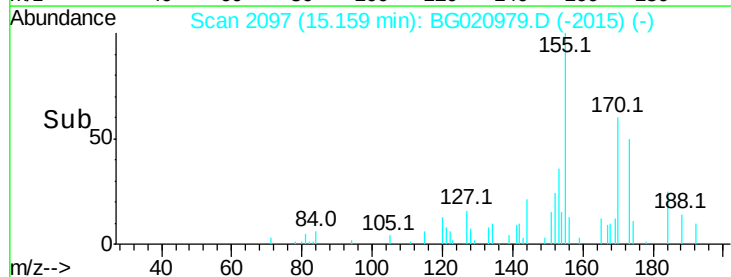
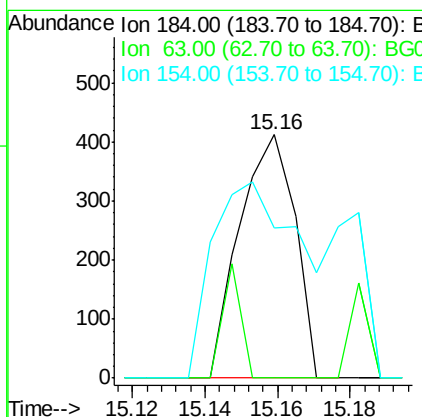
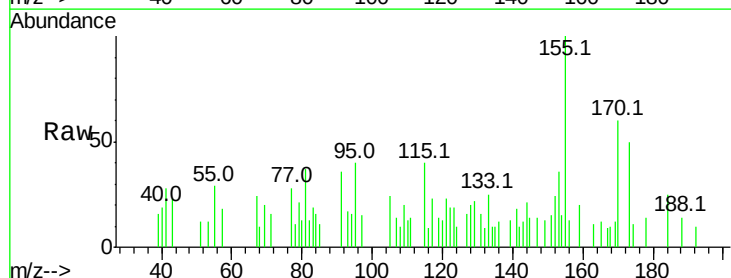
Instrument :
 BNA_G
 ClientSampleId :
 MW-1

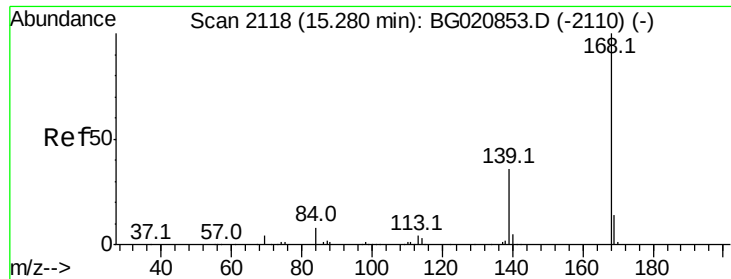
Tot Ion:165 Resp: 2442
 Ion Ratio Lower Upper
 165 100
 63 22.3 30.3 45.5#
 89 26.5 36.9 55.3#



#53
 2,4-Dinitrophenol
 Concen: 9.22 ng
 RT: 15.16 min Scan# 2097
 Delta R.T. 0.18 min
 Lab File: BG020979.D
 Acq: 19 Feb 2016 19:36

Tgt Ion:184 Resp: 436
 Ion Ratio Lower Upper
 184 100
 63 0.0 39.8 59.6#
 154 61.9 48.1 72.1





#54

Dibenzenofuran

Concen: 2.04 ng

RT: 15.26 min Scan# 2115

Delta R.T. -0.02 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

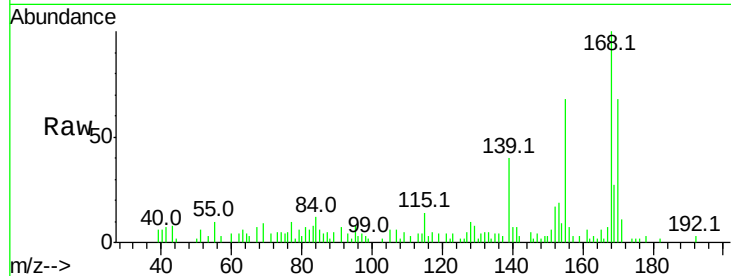
Tot Ion:168 Resp: 12361

Ion Ratio Lower Upper

168 100

139 40.1 28.5 42.7

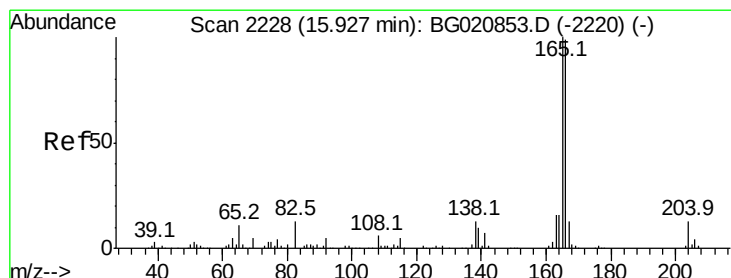
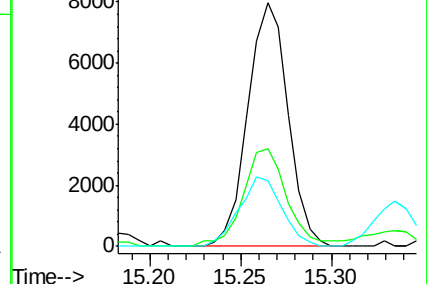
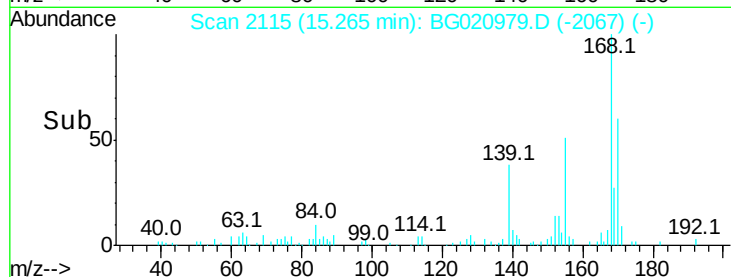
169 26.8 11.0 16.4#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 2.76 ng

RT: 15.91 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

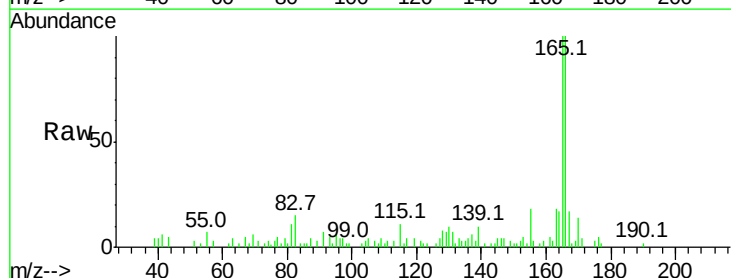
Tgt Ion:166 Resp: 15374

Ion Ratio Lower Upper

166 100

165 99.9 81.0 121.4

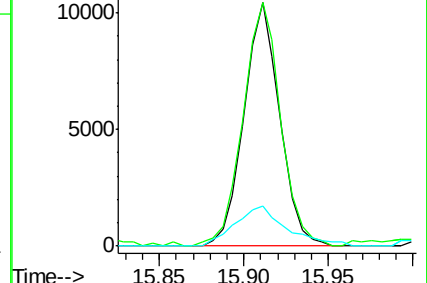
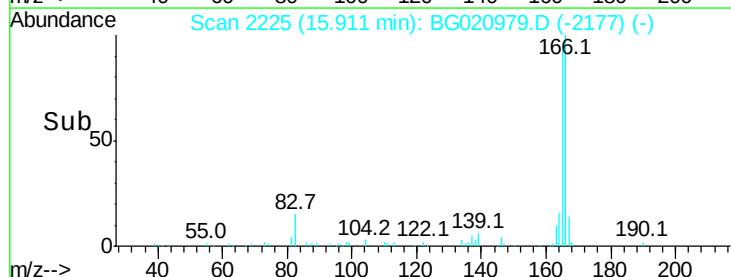
167 16.6 10.8 16.2#

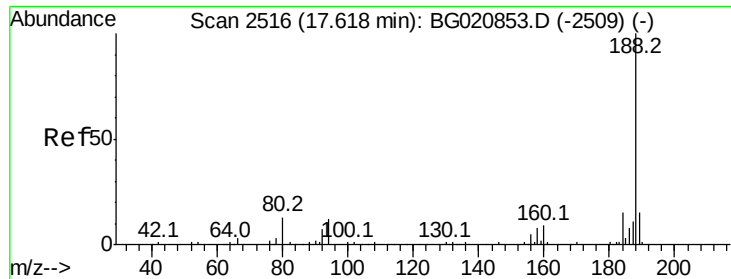


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

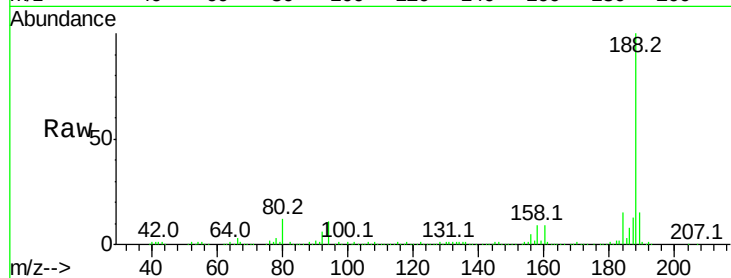




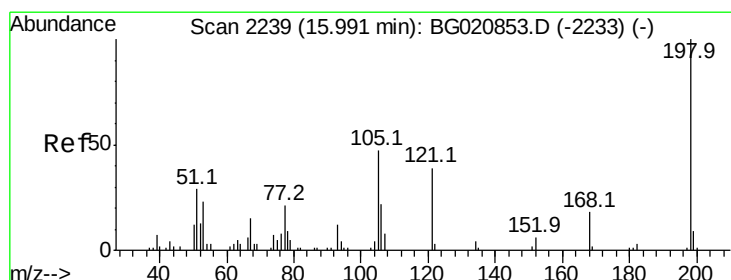
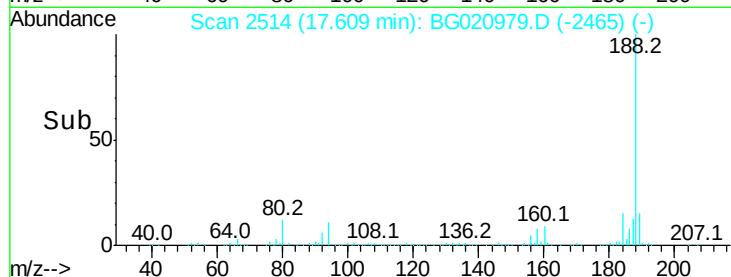
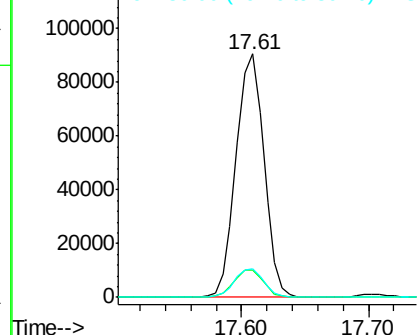
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

Instrument :
BNA_G
ClientSampleId :
MW-1

Tot Ion:188 Resp: 138276
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.0
80 11.7 10.2 15.4

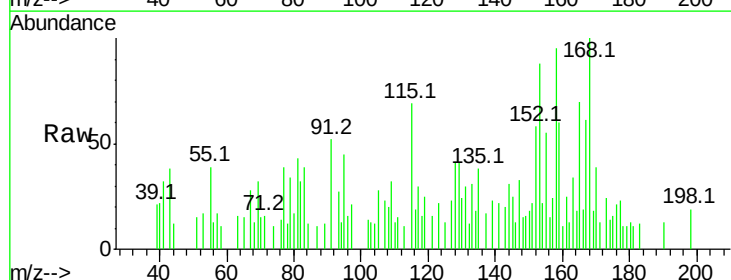


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

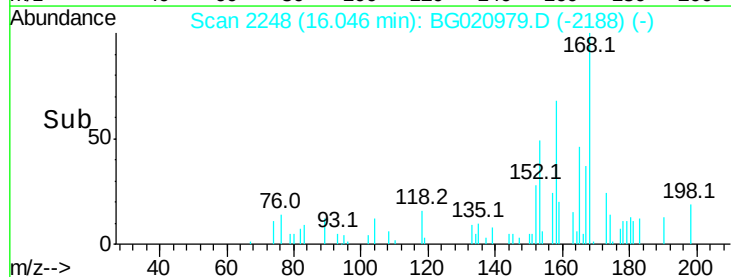
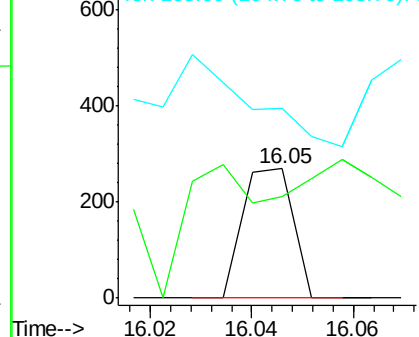


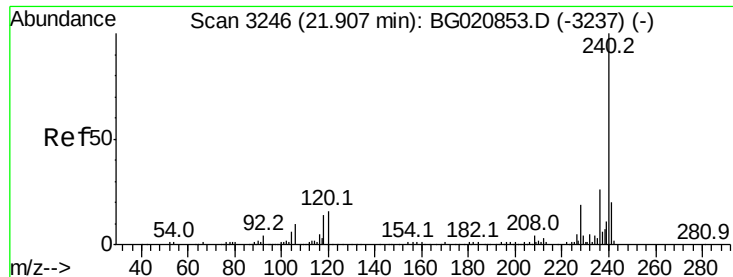
#64
4,6-Dinitro-2-methylphenol
Concen: 5.75 ng
RT: 16.05 min Scan# 2248
Delta R.T. 0.05 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

Tgt Ion:198 Resp: 188
Ion Ratio Lower Upper
198 100
51 78.1 10.6 50.6#
105 146.7 27.0 67.0#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

Instrument :

BNA_G

ClientSampleId :

MW-1

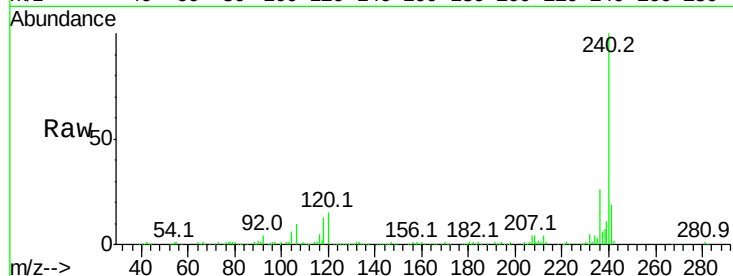
Tot Ion:240 Resp: 129278

Ion Ratio Lower Upper

240 100

120 14.6 13.0 19.4

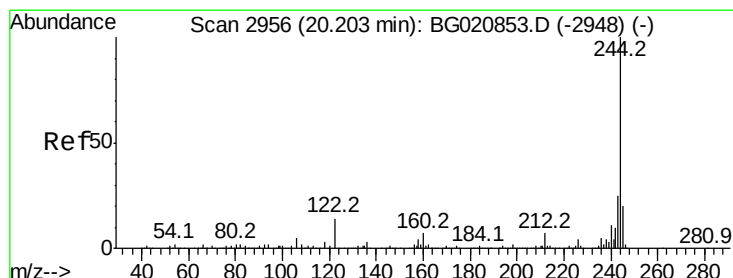
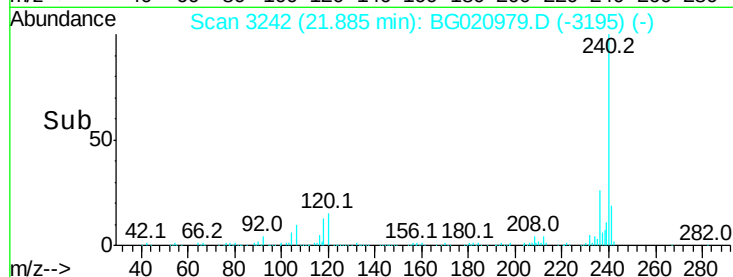
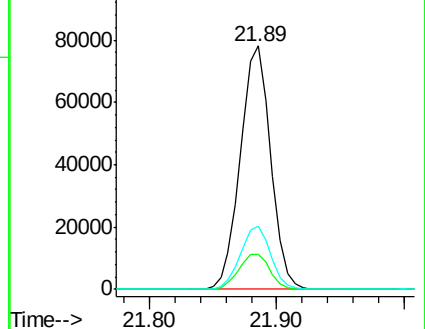
236 25.7 21.0 31.4



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



#78

Terphenyl-d14

Concen: 90.46 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020979.D

Acq: 19 Feb 2016 19:36

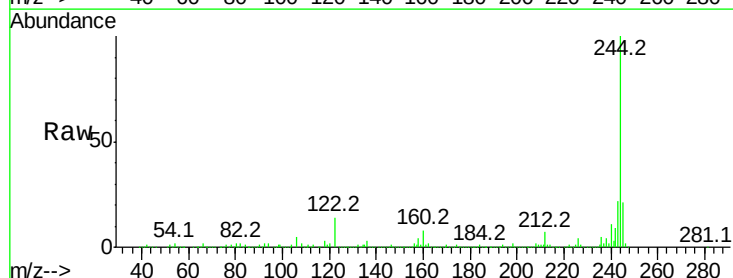
Tgt Ion:244 Resp: 501307

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

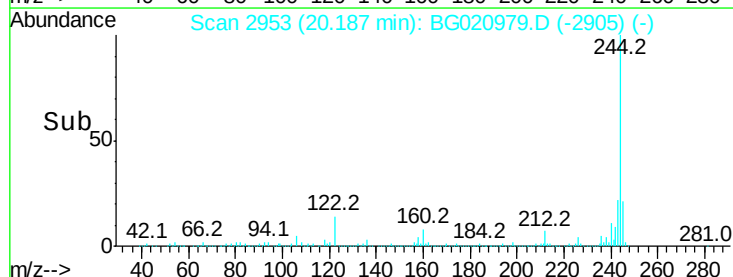
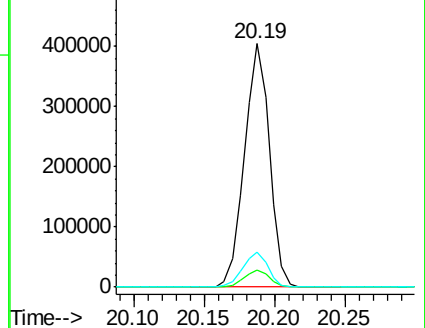
122 14.4 11.4 17.2

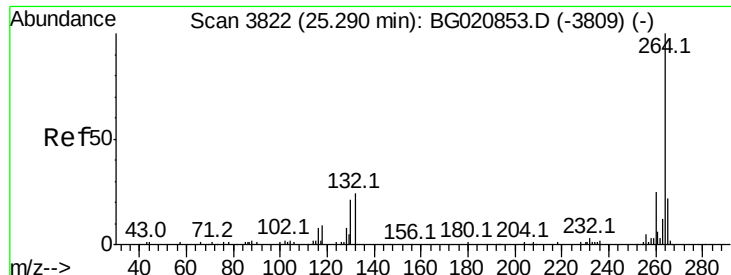


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

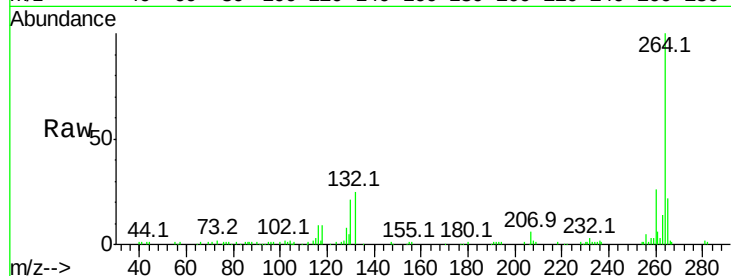




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. -0.03 min
Lab File: BG020979.D
Acq: 19 Feb 2016 19:36

Instrument :
BNA_G
ClientSampleId :
MW-1

Tot Ion:	264	Resp:	123264
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.9	29.9
265	22.0	18.0	27.0



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

