

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024123.D
 Acq On : 24 Sep 2016 13:56
 Operator : UM/SJ
 Sample : H4902-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-3-092116

Quant Time: Sep 26 00:51:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 15:35:28 2016
 Response via : Initial Calibration

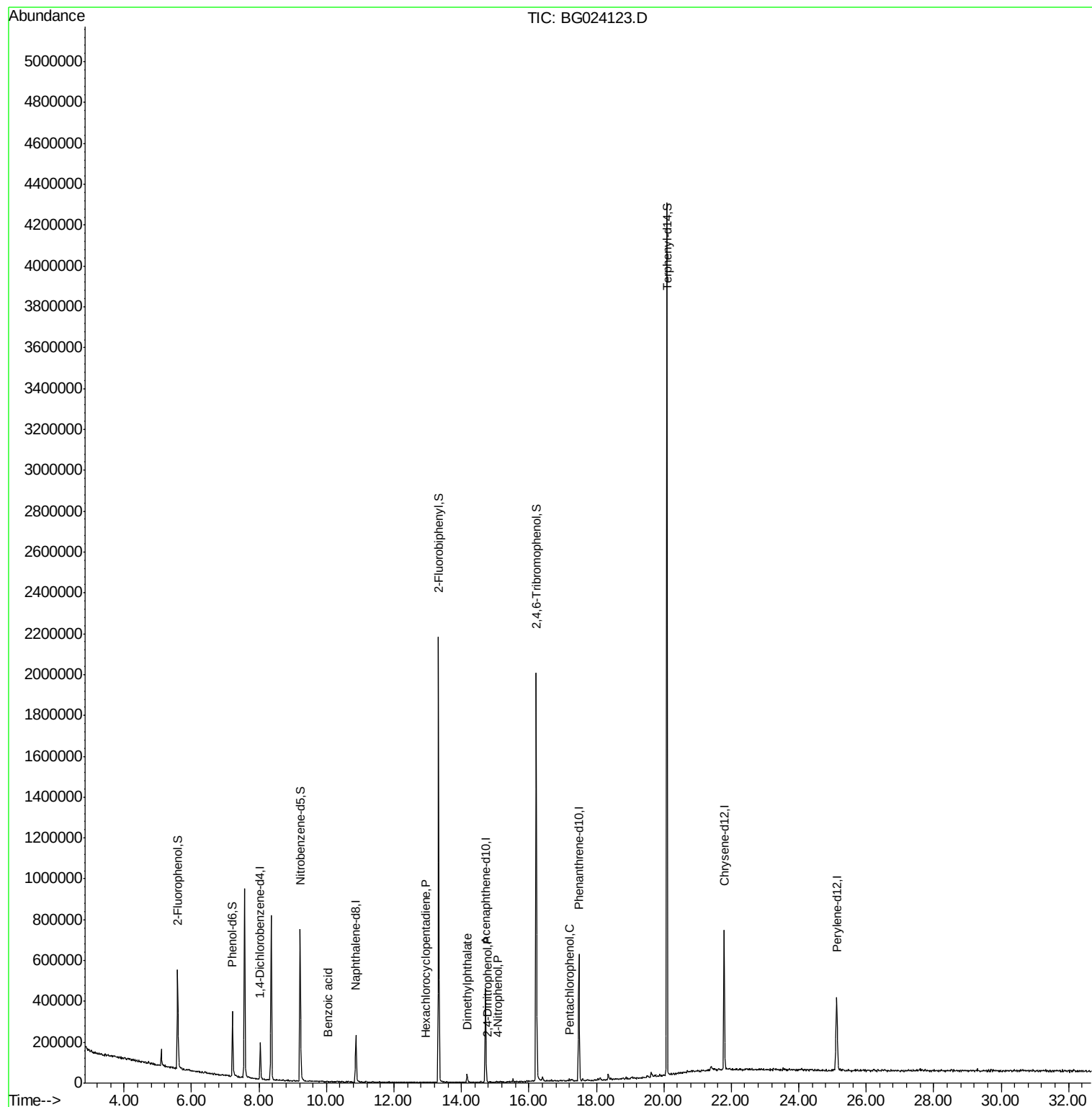
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	45815	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	200791	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	164450	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	379142	20.00	ng	0.00
75) Chrysene-d12	21.79	240	427198	20.00	ng	0.00
86) Perylene-d12	25.12	264	403814	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	203963	77.13	ng	0.00
7) Phenol-d6	7.22	99	200601	45.08	ng	0.00
23) Nitrobenzene-d5	9.22	82	507485	99.61	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	355787	150.51	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	1026397	104.91	ng	0.00
78) Terphenyl-d14	20.09	244	1695822	81.28	ng	0.00
Target Compounds						
32) Benzoic acid	10.05	122	90	2.19	ng	# 1
40) Hexachlorocyclopentadiene	12.94	237	122	3.65	ng	# 26
49) Dimethylphthalate	14.17	163	27984	2.22	ng	# 97
53) 2,4-Dinitrophenol	14.78	184	61	2.49	ng	# 10
55) 4-Nitrophenol	15.06	139	64	5.37	ng	# 1
69) Pentachlorophenol	17.22	266	62	3.59	ng	# 18

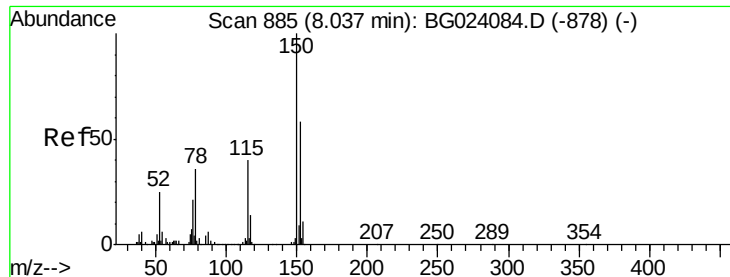
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

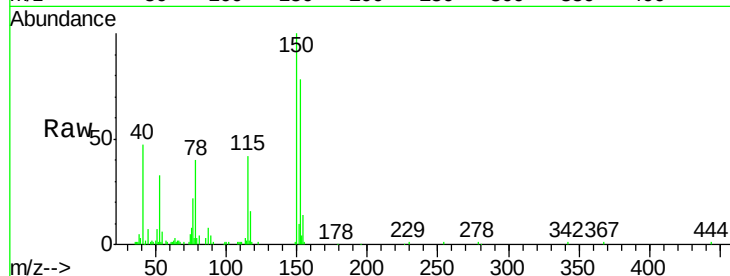
Tgt Ion:152 Resp: 45815

Ion Ratio Lower Upper

152 100

150 128.3 144.7 217.1#

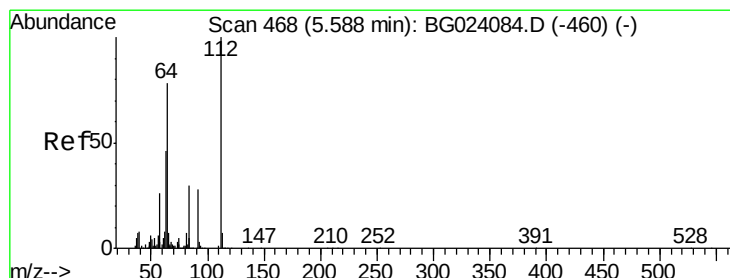
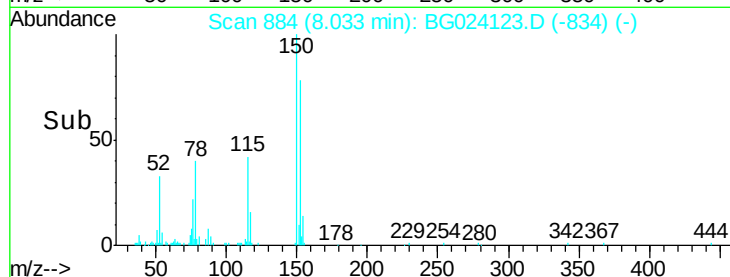
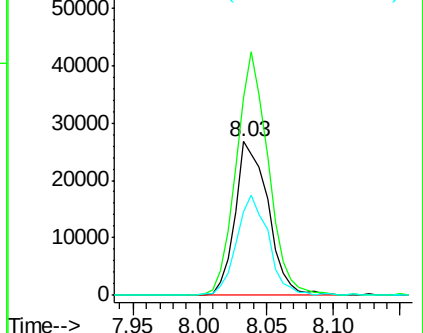
115 54.4 64.0 96.0#



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: 77.13 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

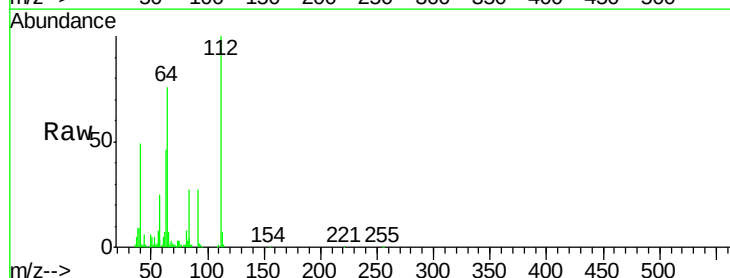
Tgt Ion:112 Resp: 203963

Ion Ratio Lower Upper

112 100

64 76.3 59.0 88.4

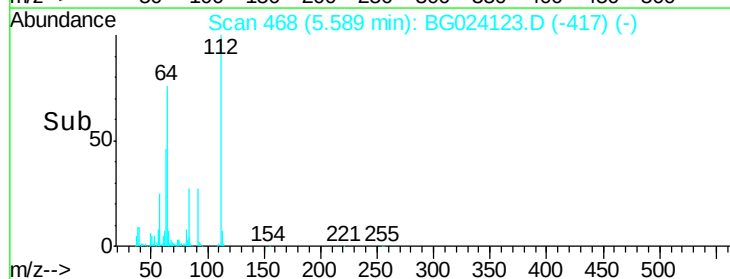
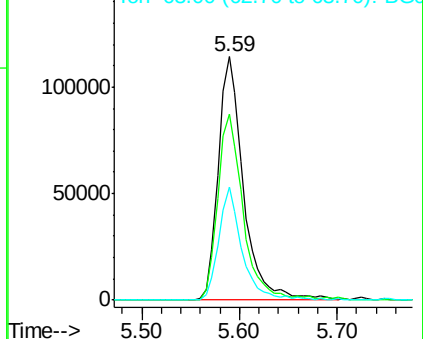
63 46.2 37.8 56.8

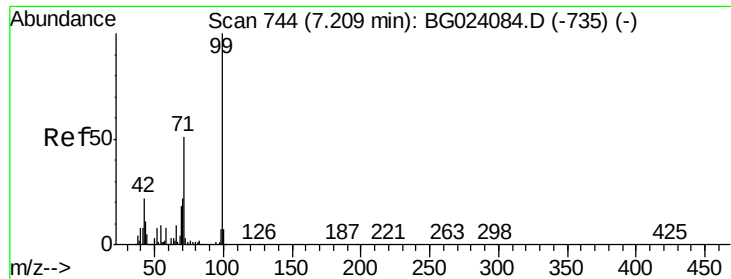


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.08 ng

RT: 7.22 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

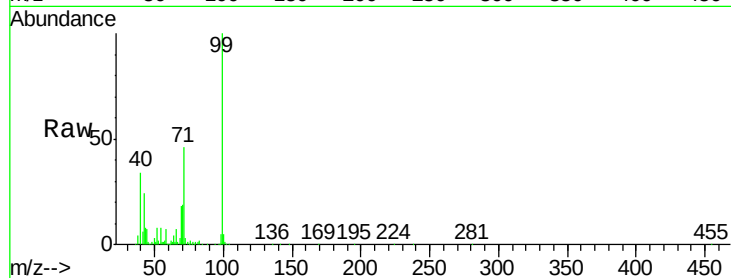
Tgt Ion: 99 Resp: 200601

Ion Ratio Lower Upper

99 100

42 23.7 17.8 26.6

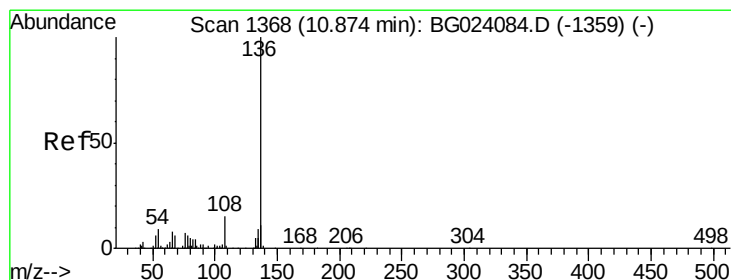
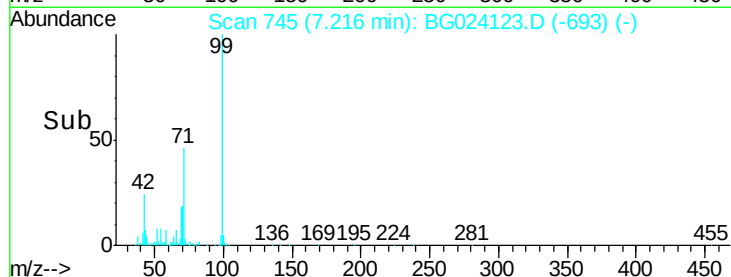
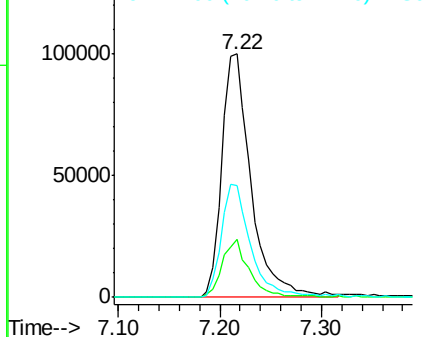
71 45.8 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1367

Delta R.T. -0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Tgt Ion: 136 Resp: 200791

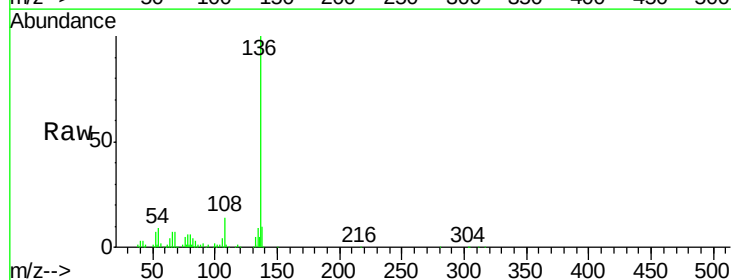
Ion Ratio Lower Upper

136 100

137 9.9 9.6 14.4

54 8.6 7.3 10.9

68 6.9 5.3 7.9

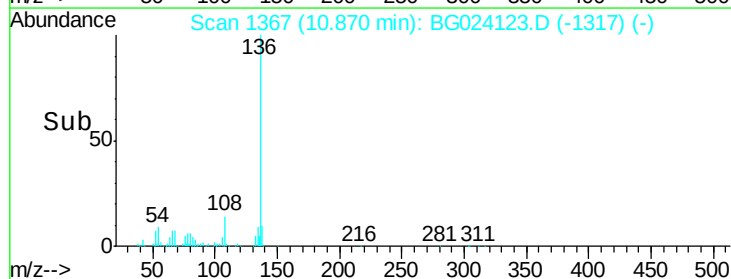
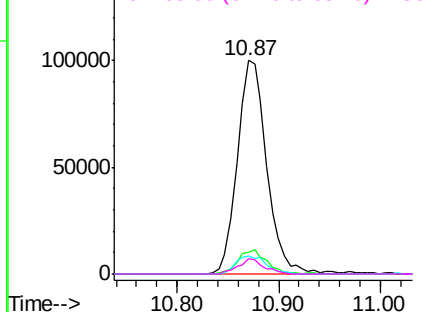


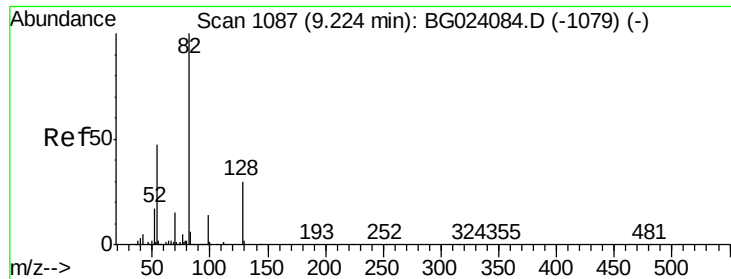
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

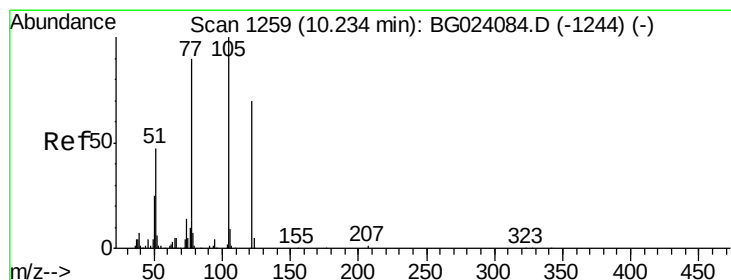
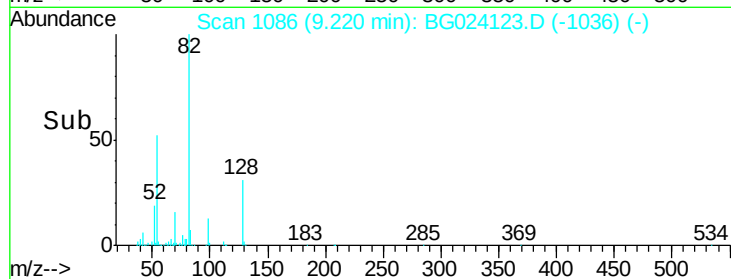
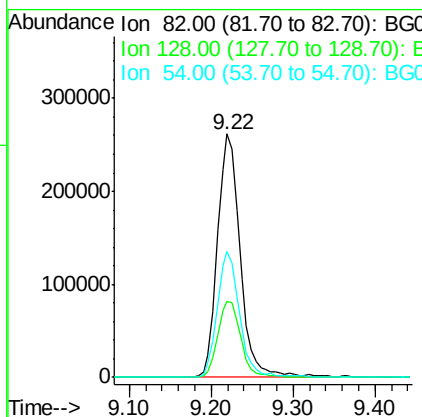
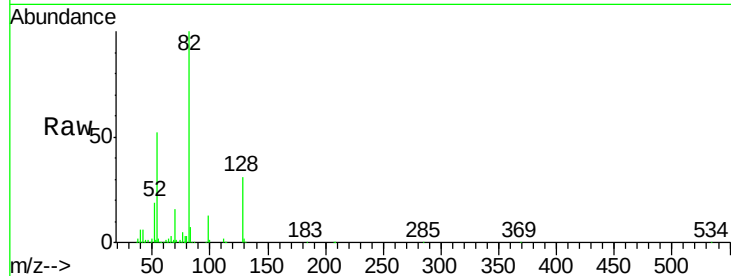




#23
 Nitrobenzene-d5
 Concen: 99.61 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BG024123.D
 Acq: 24 Sep 2016 13:56

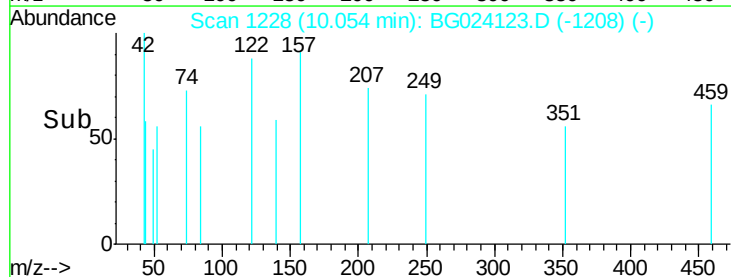
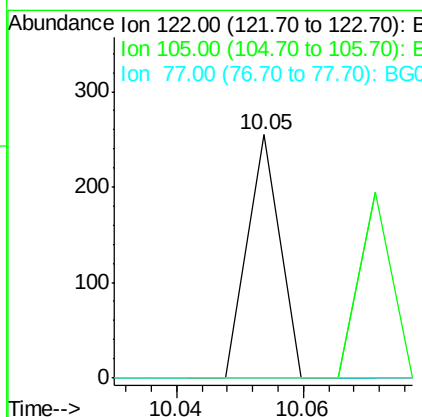
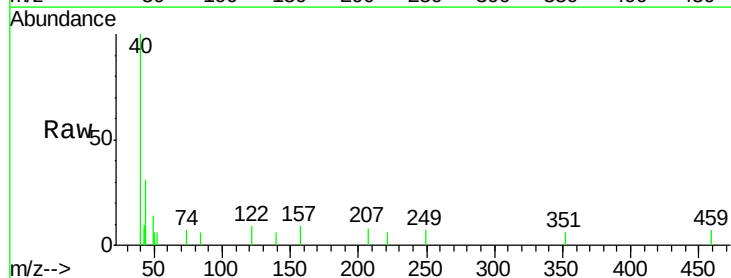
Instrument :
 BNA_G
 ClientSampleId :
 MW-3-092116

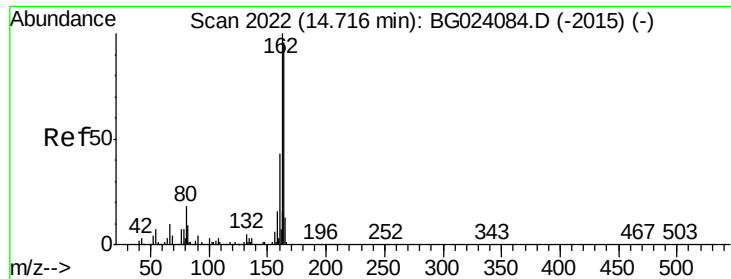
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.4	36.6
54	51.9	41.4	62.0



#32
 Benzoic acid
 Concen: 2.19 ng
 RT: 10.05 min Scan# 1228
 Delta R.T. -0.18 min
 Lab File: BG024123.D
 Acq: 24 Sep 2016 13:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	117.2	157.2#
77	0.0	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

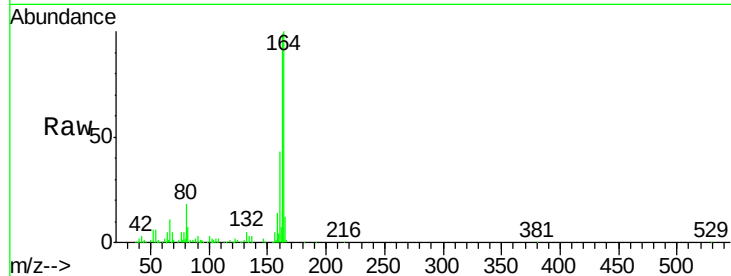
Tgt Ion:164 Resp: 164450

Ion Ratio Lower Upper

164 100

162 99.3 87.7 131.5

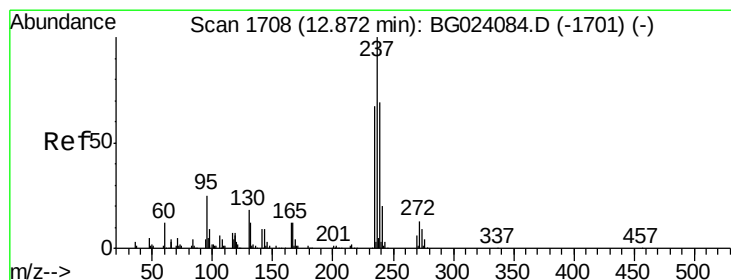
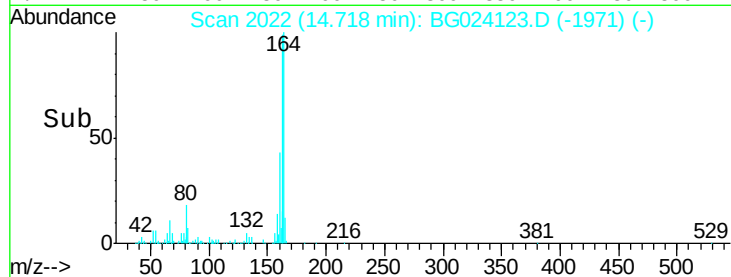
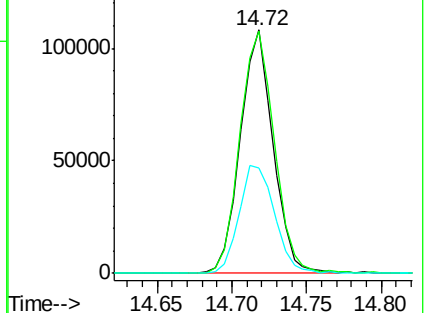
160 43.2 37.2 55.8



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



#40

Hexachlorocyclopentadiene

Concen: 3.65 ng

RT: 12.94 min Scan# 1719

Delta R.T. 0.07 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

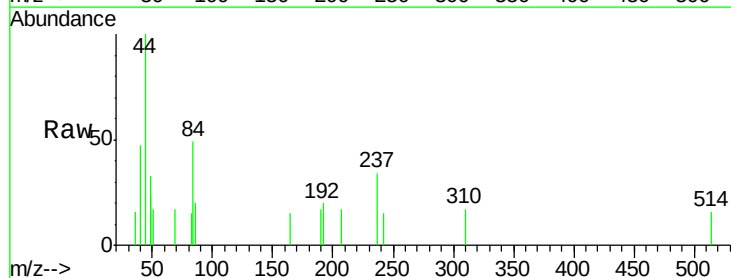
Tgt Ion:237 Resp: 122

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

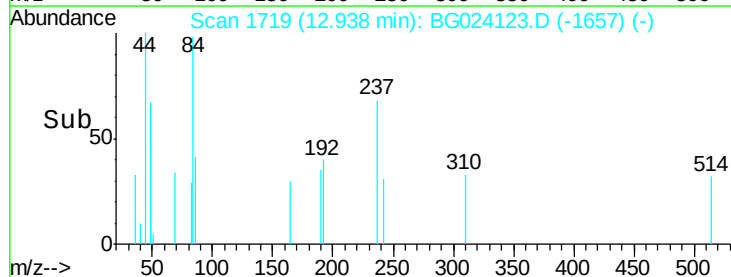
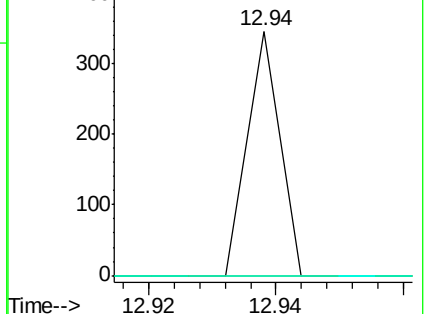
272 0.0 0.0 30.9

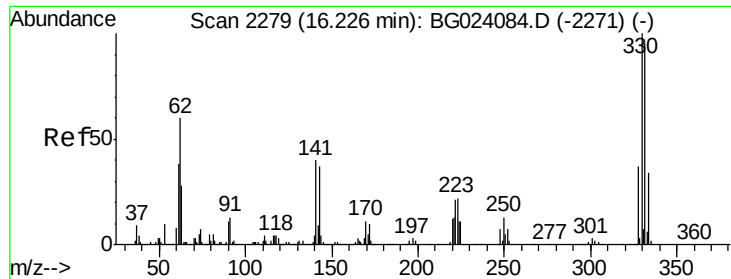


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

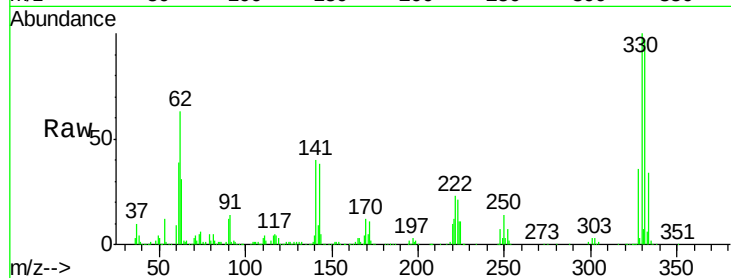




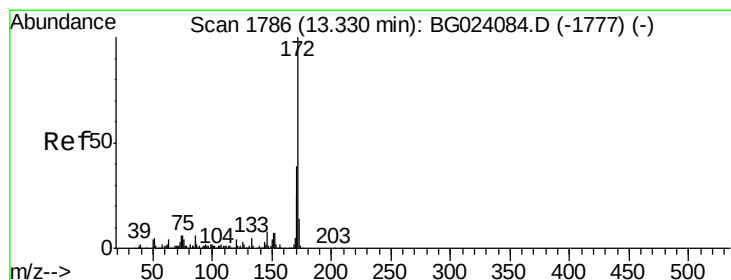
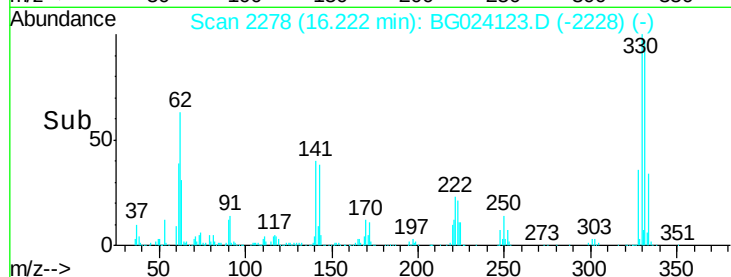
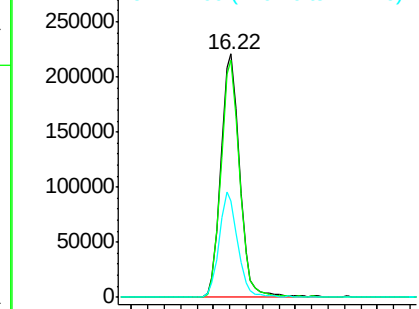
#41
 2,4,6-Tribromophenol
 Concen: 150.51 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: BG024123.D
 Acq: 24 Sep 2016 13:56

Instrument :
 BNA_G
 ClientSampleId :
 MW-3-092116

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	42.2	31.7	47.5

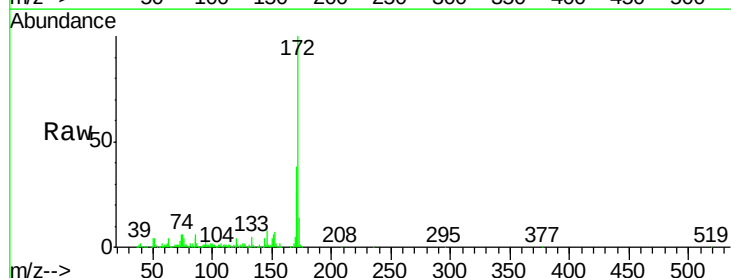


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

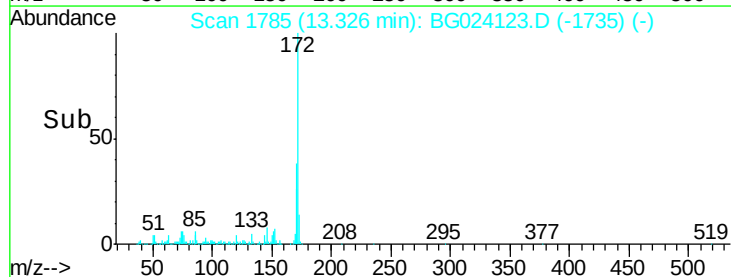
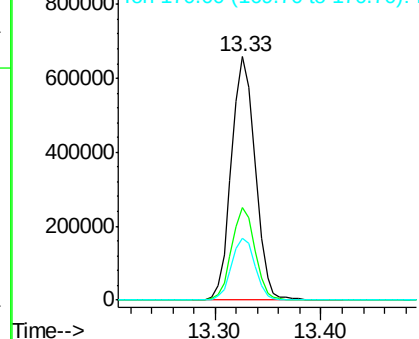


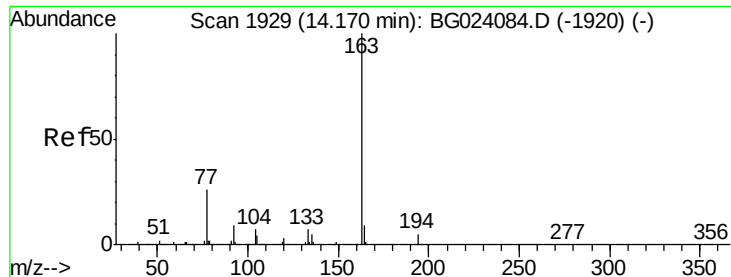
#44
 2-Fluorobiphenyl
 Concen: 104.91 ng
 RT: 13.33 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: BG024123.D
 Acq: 24 Sep 2016 13:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.6	47.4
170	25.6	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





#49

Dimethylphthalate

Concen: 2.22 ng

RT: 14.17 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

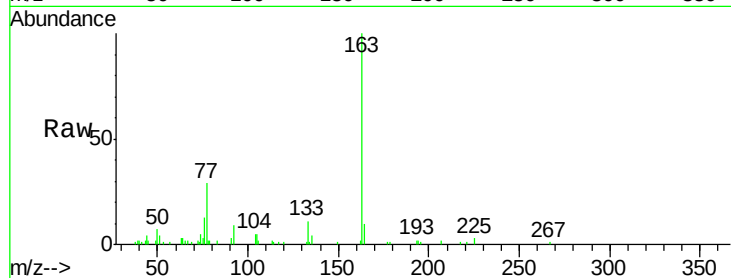
Tgt Ion:163 Resp: 27984

Ion Ratio Lower Upper

163 100

194 1.8 3.6 5.4#

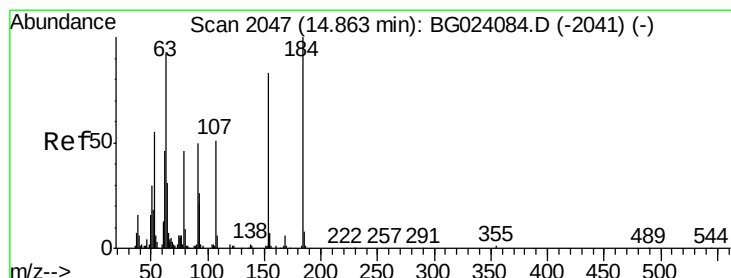
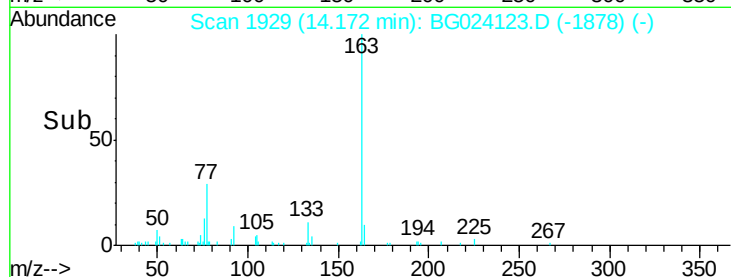
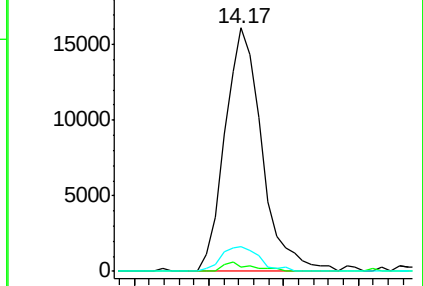
164 10.2 8.1 12.1



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



#53

2,4-Dinitrophenol

Concen: 2.49 ng

RT: 14.78 min Scan# 2032

Delta R.T. -0.09 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

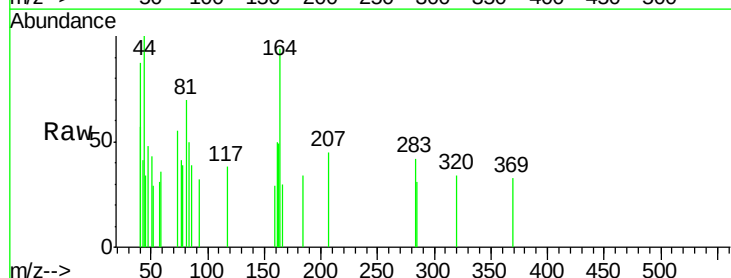
Tgt Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

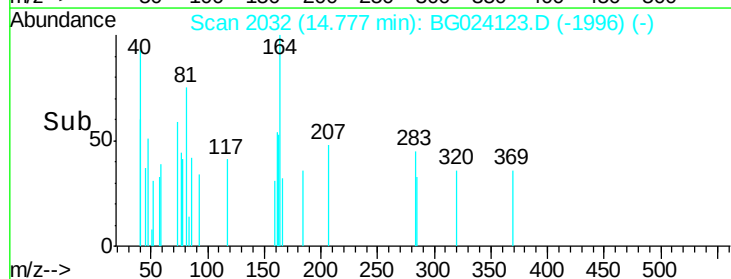
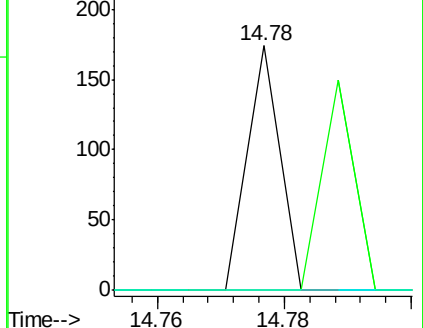
154 0.0 67.4 101.0#

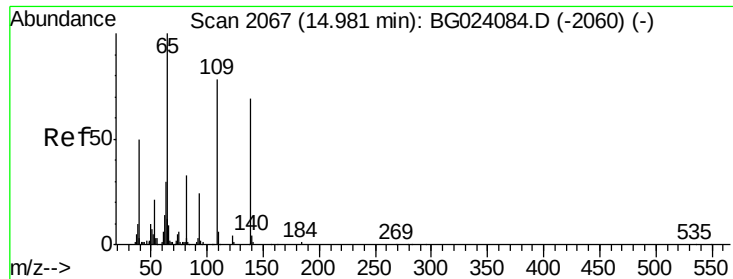


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

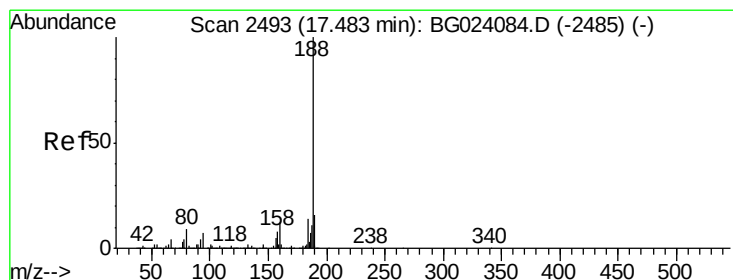
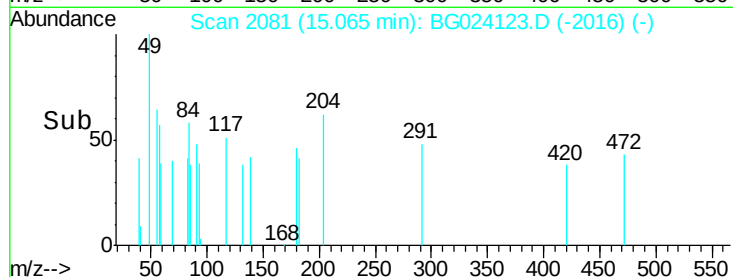
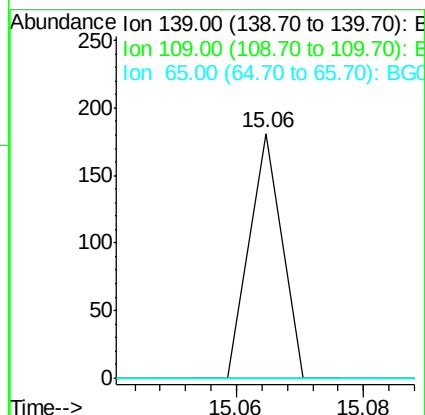
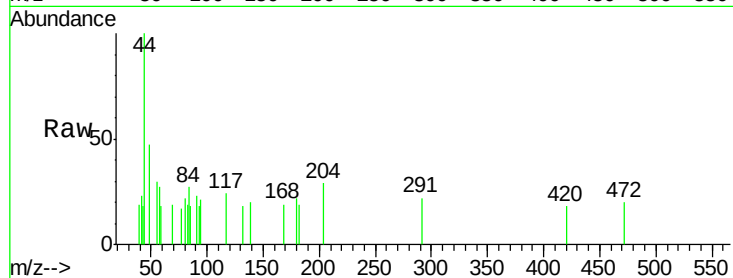




#55
4-Nitrophenol
Concen: 5.37 ng
RT: 15.06 min Scan# 2081
Delta R.T. 0.08 min
Lab File: BG024123.D
Acq: 24 Sep 2016 13:56

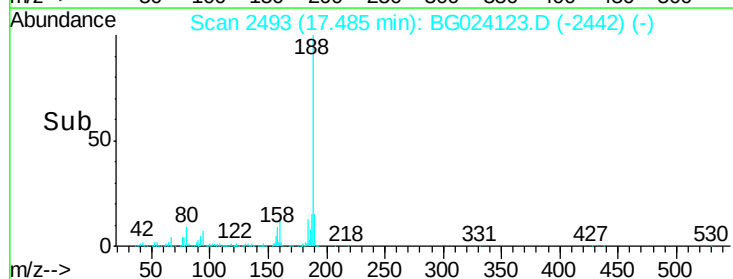
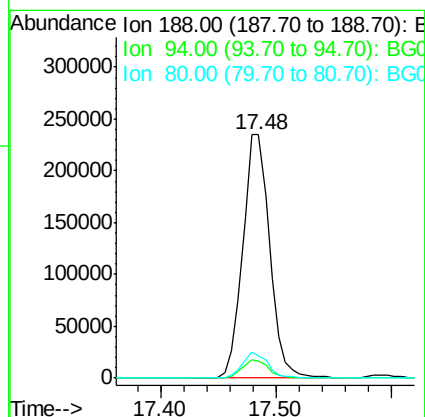
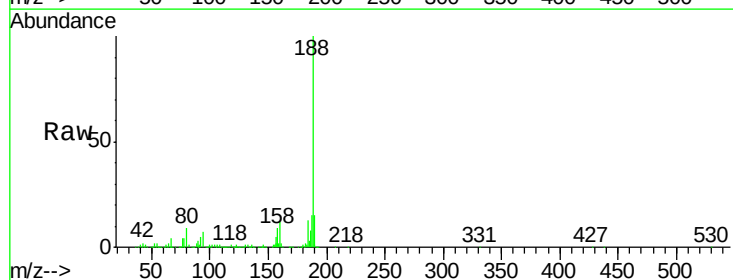
Instrument :
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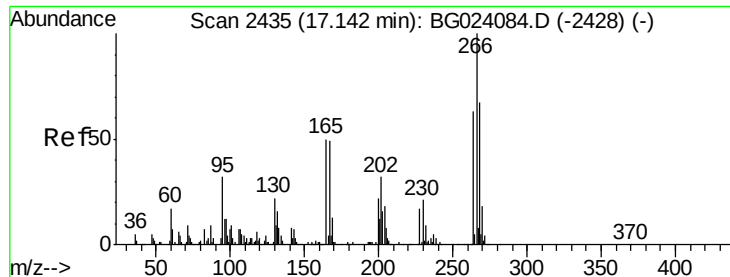
Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 0.0 112.7 152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. 0.00 min
Lab File: BG024123.D
Acq: 24 Sep 2016 13:56

Tgt Ion:188 Resp: 379142
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 8.9 7.2 10.8





#69

Pentachlorophenol

Concen: 3.59 ng

RT: 17.22 min Scan# 2448

Delta R.T. 0.08 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

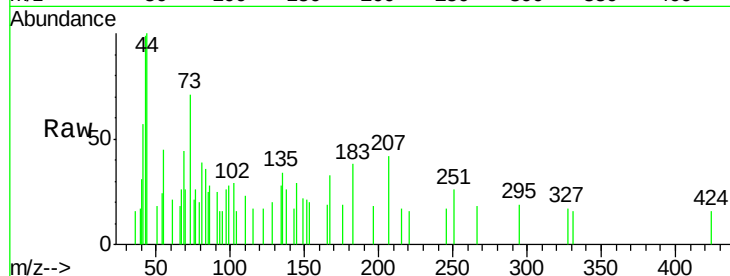
Tgt Ion:266 Resp: 62

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

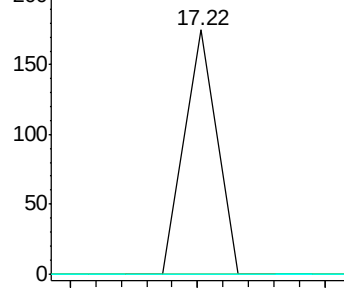
264 0.0 50.6 75.8#



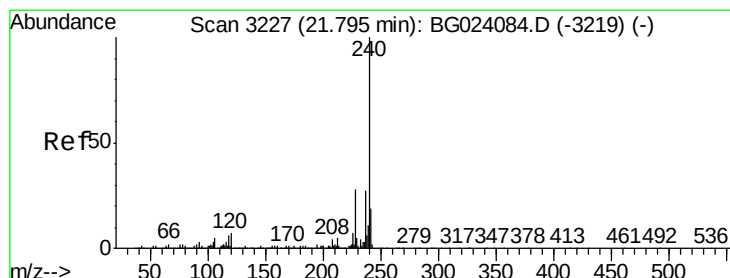
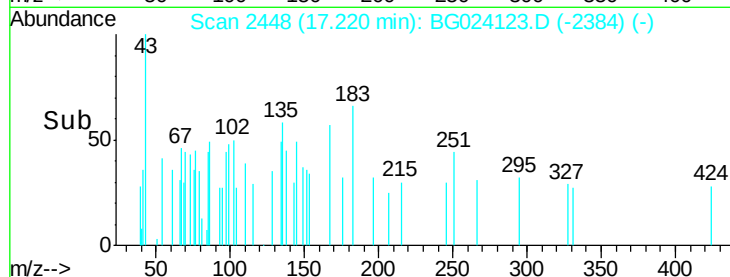
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time--> 17.20 17.22



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

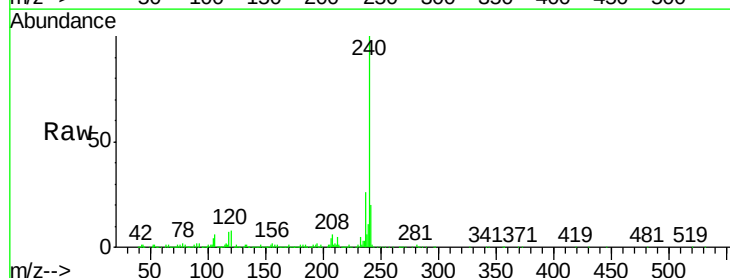
Tgt Ion:240 Resp: 427198

Ion Ratio Lower Upper

240 100

120 7.7 4.1 6.1#

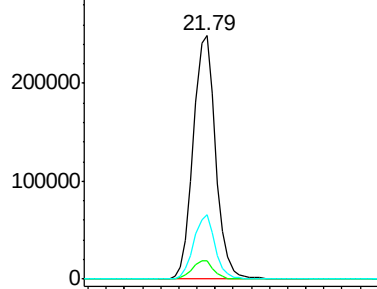
236 26.3 21.1 31.7



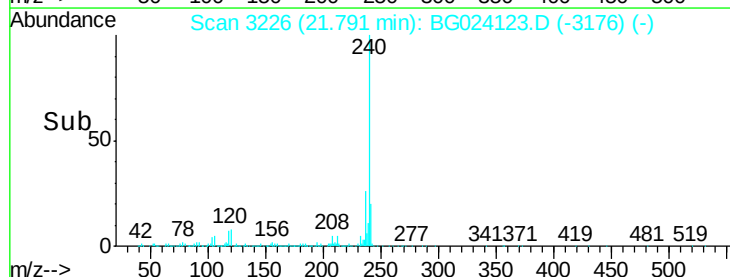
Abundance Ion 240.00 (239.70 to 240.70): E

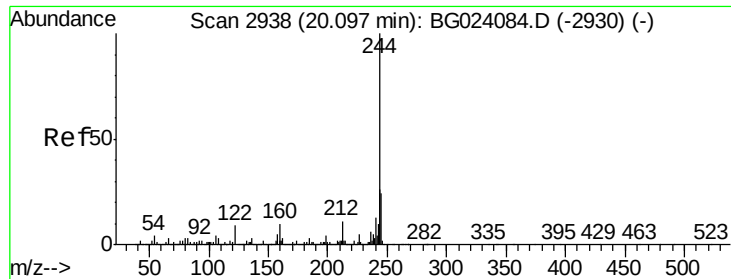
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.70 21.80 21.90





#78

Terphenyl-d14

Concen: 81.28 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Instrument :

BNA_G

ClientSampleId :

MW-3-092116

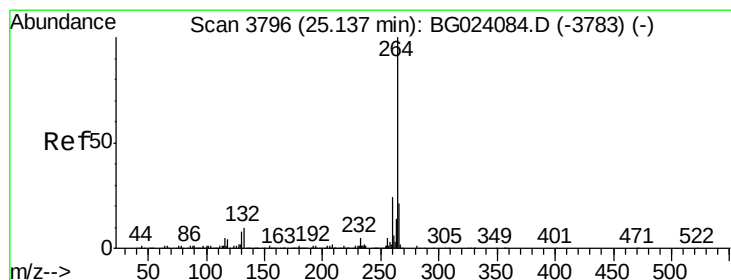
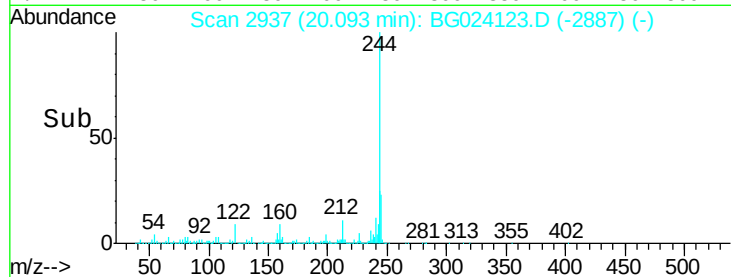
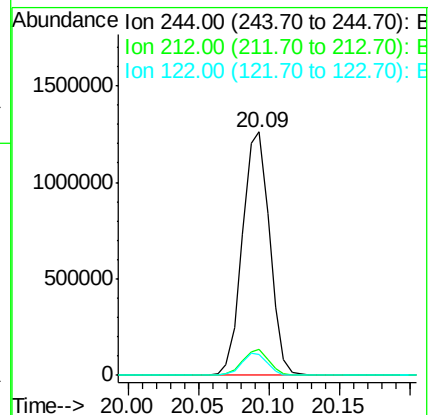
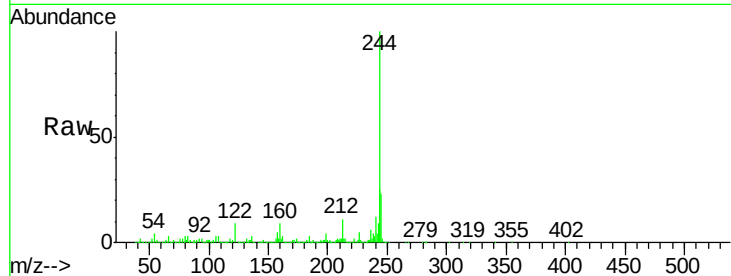
Tgt Ion:244 Resp: 1695822

Ion Ratio Lower Upper

244 100

212 10.5 10.8 16.2#

122 8.5 8.0 12.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.02 min

Lab File: BG024123.D

Acq: 24 Sep 2016 13:56

Tgt Ion:264 Resp: 403814

Ion Ratio Lower Upper

264 100

260 22.9 18.4 27.6

265 22.6 18.9 28.3

