

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
 Data File : BG024119.D
 Acq On : 24 Sep 2016 11:23
 Operator : UM/SJ
 Sample : H4902-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1-092116

Quant Time: Sep 26 00:49:46 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

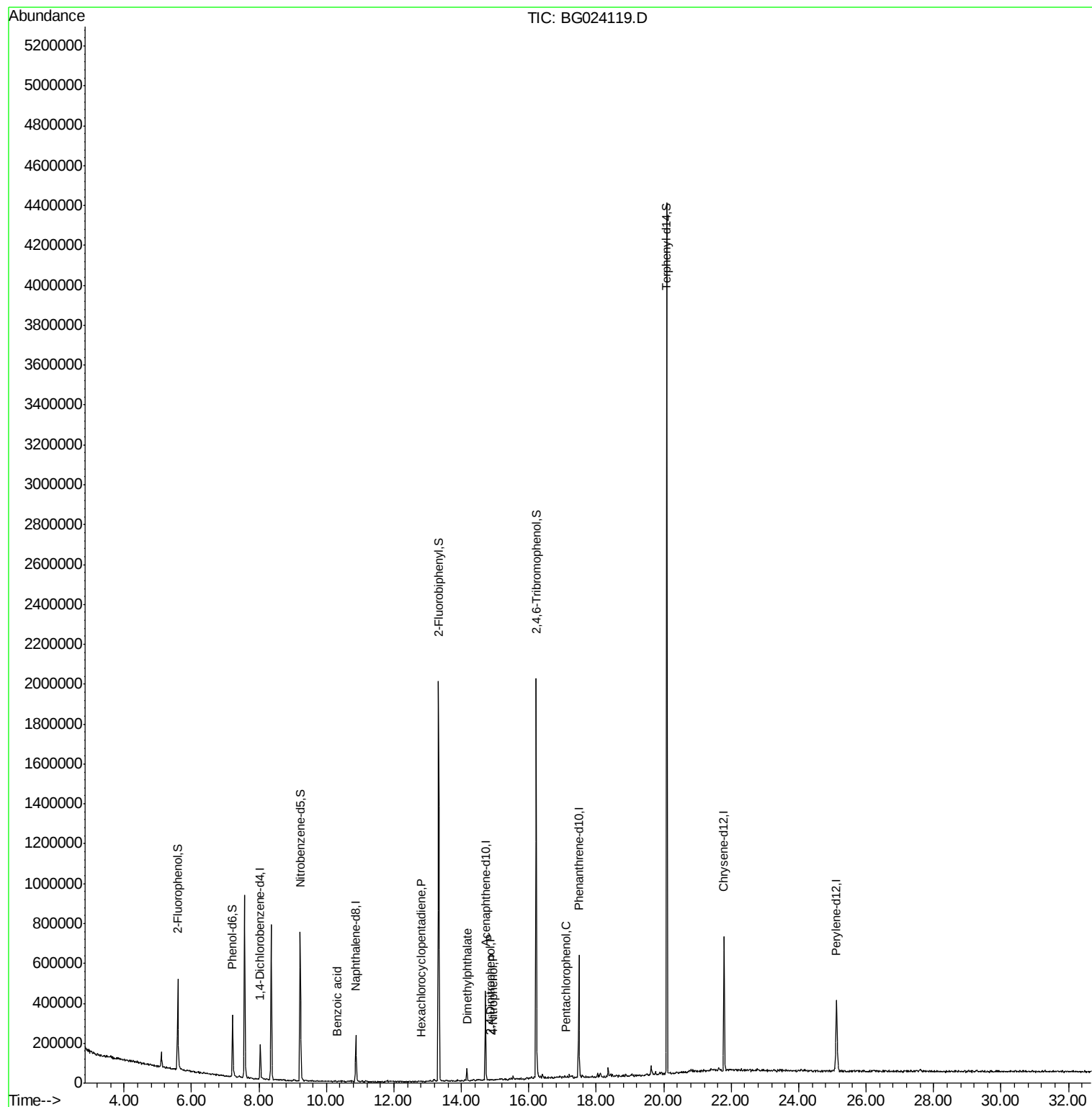
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45097	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	186899	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	155782	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	355769	20.00	ng	0.00
75) Chrysene-d12	21.79	240	406500	20.00	ng	0.00
86) Perylene-d12	25.12	264	402057	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	194244	74.62	ng	0.00
7) Phenol-d6	7.21	99	184930	42.22	ng	0.00
23) Nitrobenzene-d5	9.22	82	500813	105.61	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	330605	147.64	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	996374	107.51	ng	0.00
78) Terphenyl-d14	20.09	244	1671809	84.21	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.33	122	53	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.81	237	58	3.62	ng	# 26
49) Dimethylphthalate	14.16	163	36259	3.03	ng	98
53) 2,4-Dinitrophenol	14.86	184	65	2.50	ng	# 10
55) 4-Nitrophenol	14.92	139	173	5.43	ng	# 43
69) Pentachlorophenol	17.11	266	66	3.59	ng	# 18

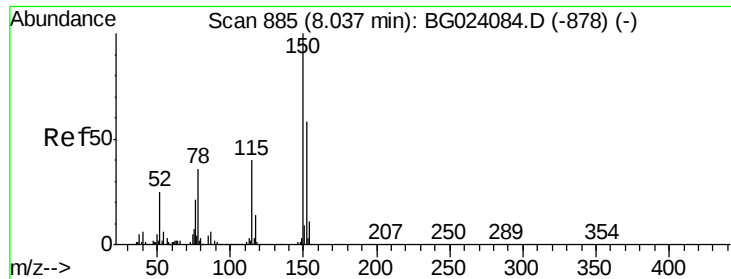
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

Instrument :

BNA_G

ClientSampleId :

MW-1-092116

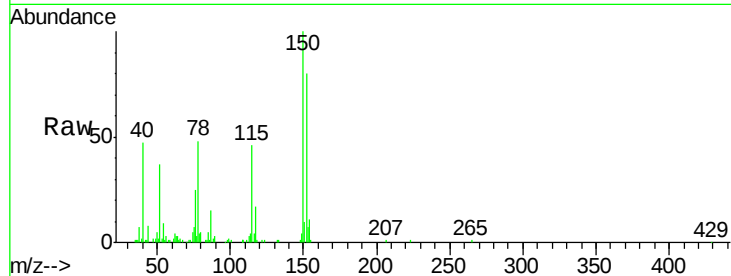
Tgt Ion:152 Resp: 45097

Ion Ratio Lower Upper

152 100

150 125.7 144.7 217.1#

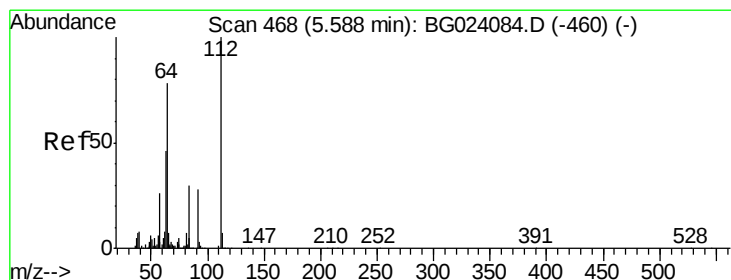
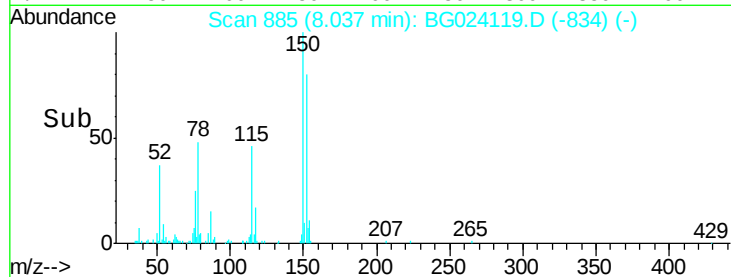
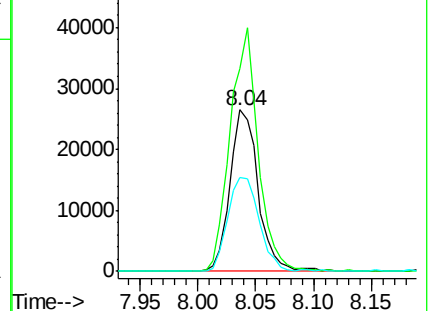
115 57.9 64.0 96.0#



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: 74.62 ng

RT: 5.59 min Scan# 469

Delta R.T. 0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

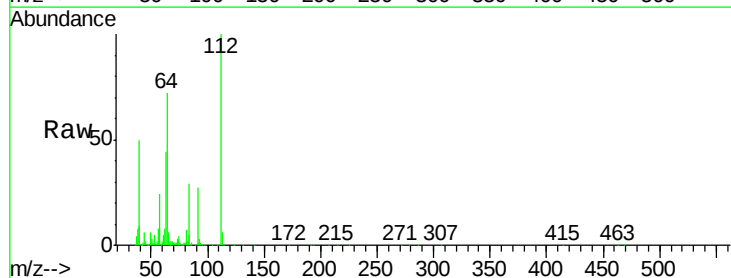
Tgt Ion:112 Resp: 194244

Ion Ratio Lower Upper

112 100

64 72.4 59.0 88.4

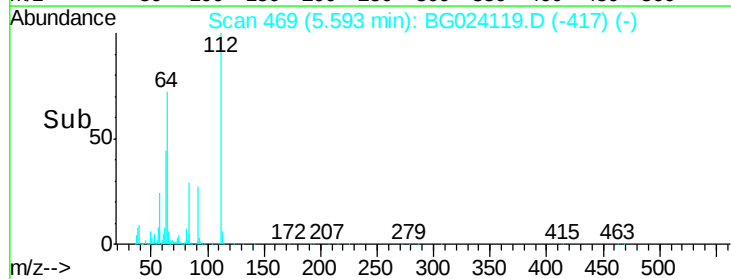
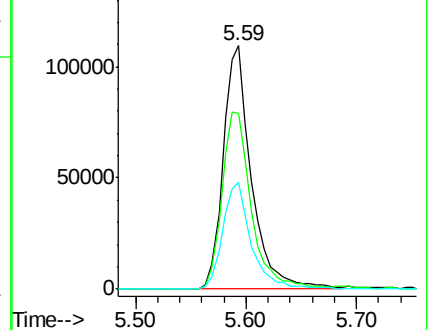
63 43.9 37.8 56.8

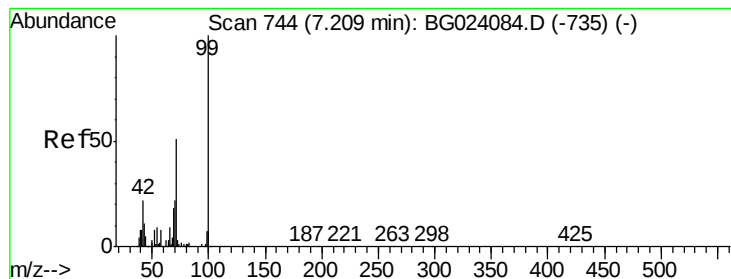


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.22 ng

RT: 7.21 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

Instrument :

BNA_G

ClientSampleId :

MW-1-092116

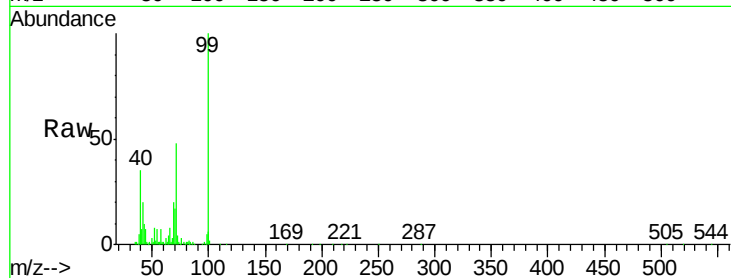
Tgt Ion: 99 Resp: 184930

Ion Ratio Lower Upper

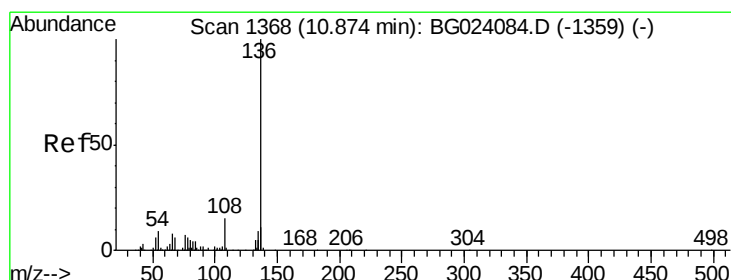
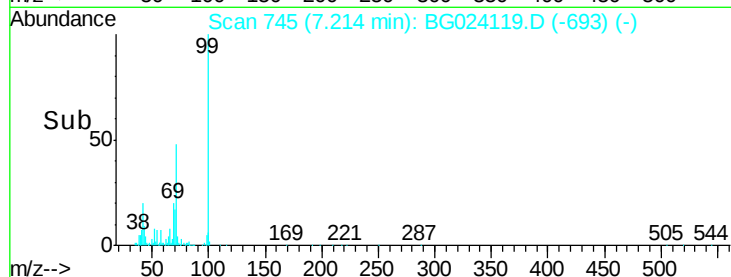
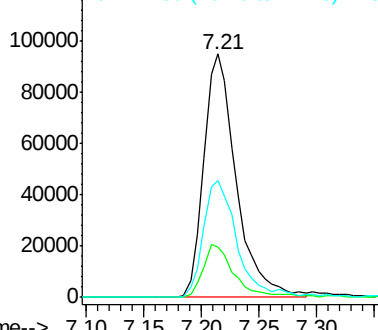
99 100

42 20.5 17.8 26.6

71 48.1 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. -0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

Tgt Ion: 136 Resp: 186899

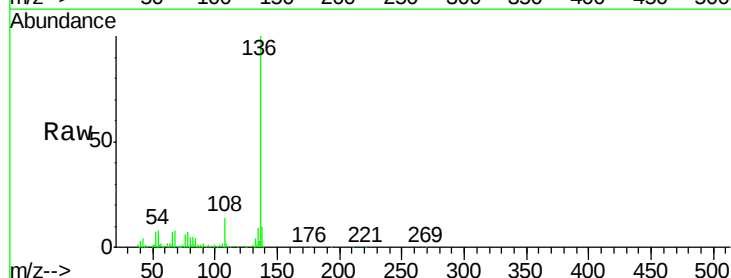
Ion Ratio Lower Upper

136 100

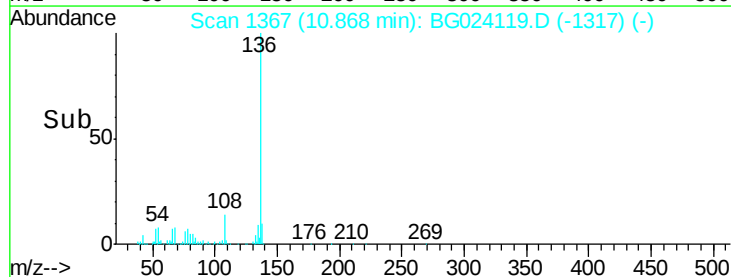
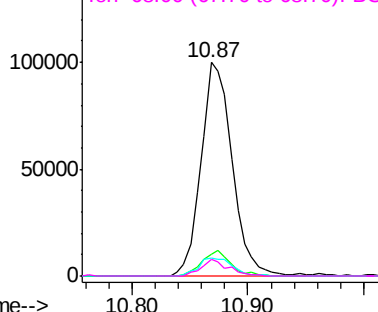
137 10.4 9.6 14.4

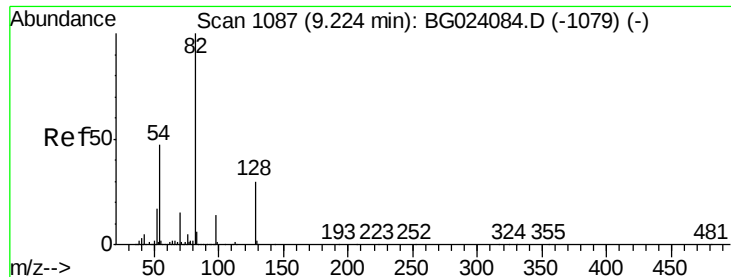
54 8.5 7.3 10.9

68 7.8 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

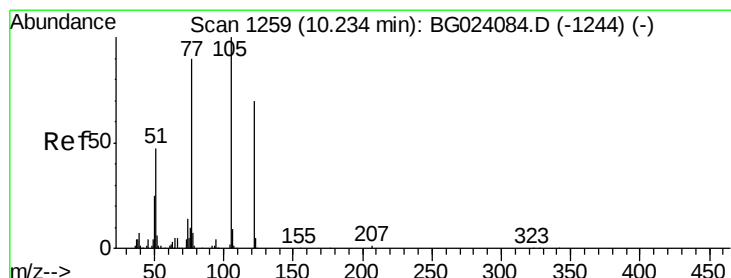
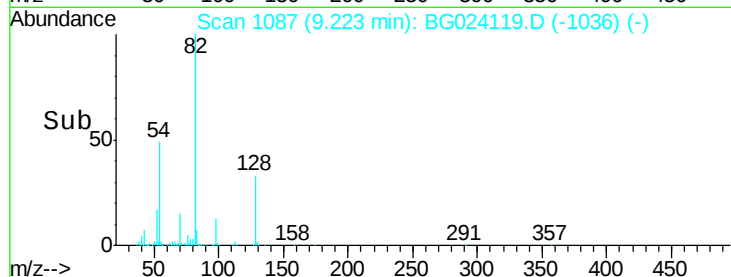
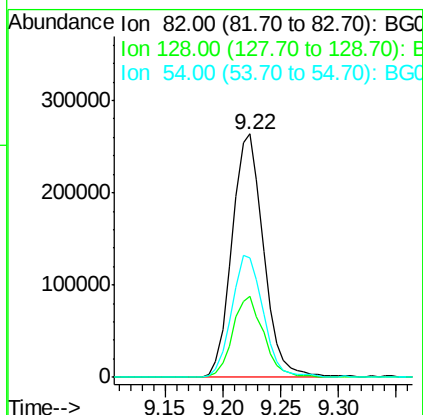
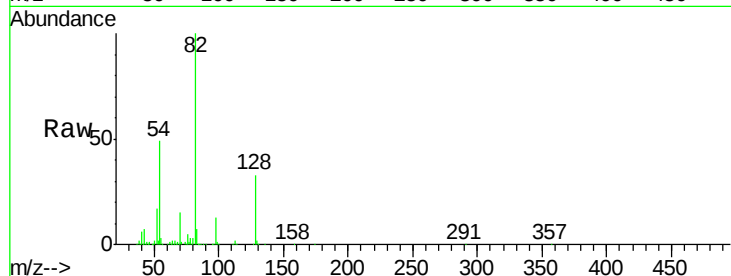




#23
Nitrobenzene-d5
Concen: 105.61 ng
RT: 9.22 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BG024119.D
Acq: 24 Sep 2016 11:23

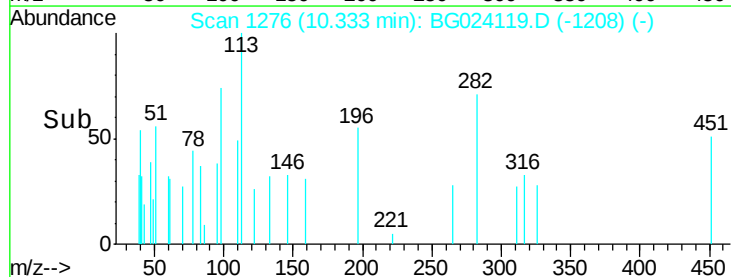
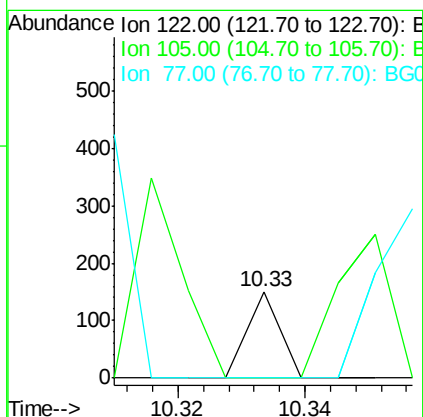
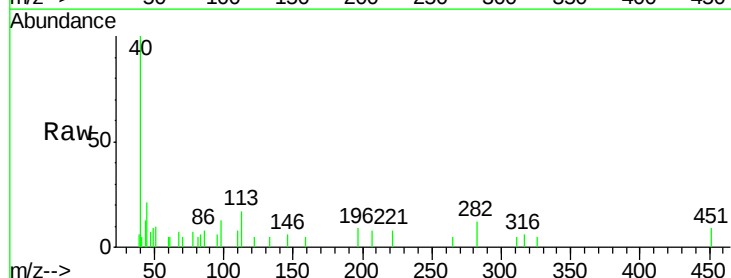
Instrument :
BNA_G
ClientSampleId :
MW-1-092116

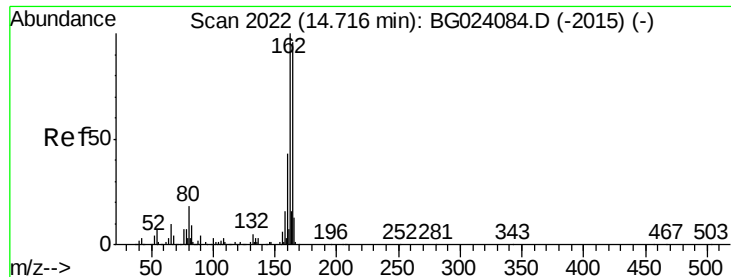
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.1	24.4	36.6
54	49.3	41.4	62.0



#32
Benzoic acid
Concen: 2.18 ng
RT: 10.33 min Scan# 1276
Delta R.T. 0.10 min
Lab File: BG024119.D
Acq: 24 Sep 2016 11:23

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: BG024119.D

Acq: 24 Sep 2016 11:23

Instrument :

BNA_G

ClientSampleId :

MW-1-092116

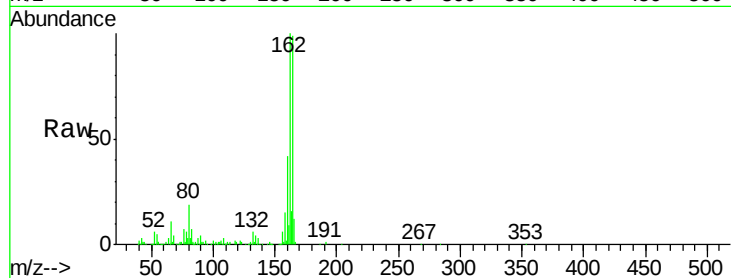
Tgt Ion:164 Resp: 155782

Ion Ratio Lower Upper

164 100

162 100.8 87.7 131.5

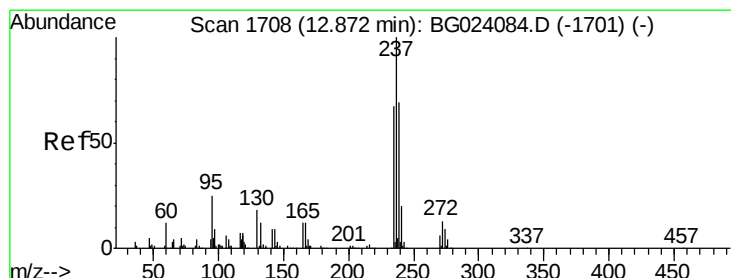
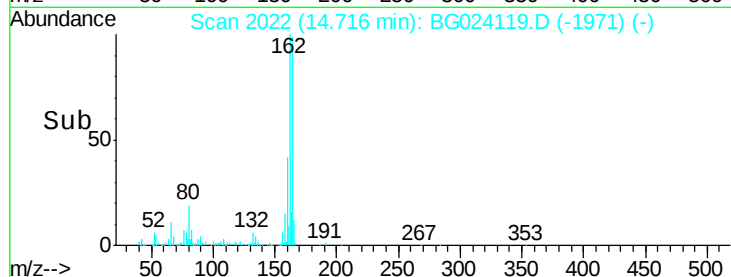
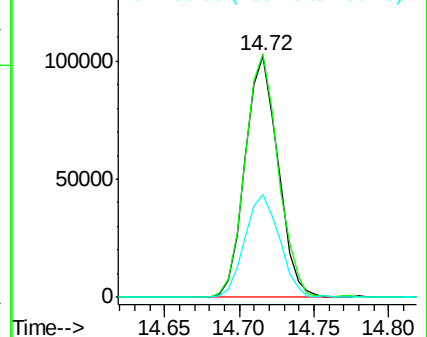
160 42.4 37.2 55.8



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: 3.62 ng

RT: 12.81 min Scan# 1697

Delta R.T. -0.06 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

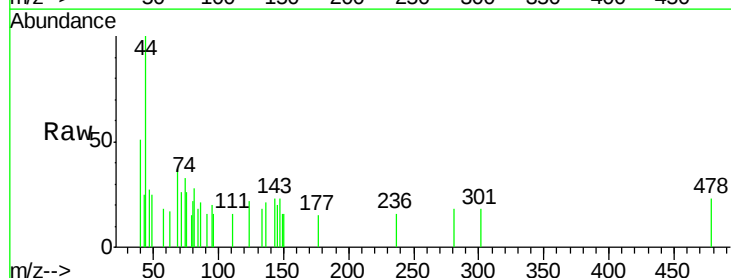
Tgt Ion:237 Resp: 58

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

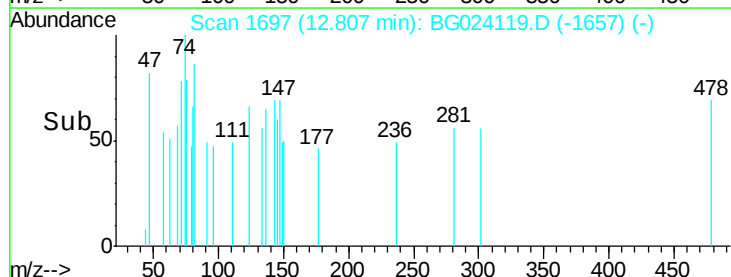
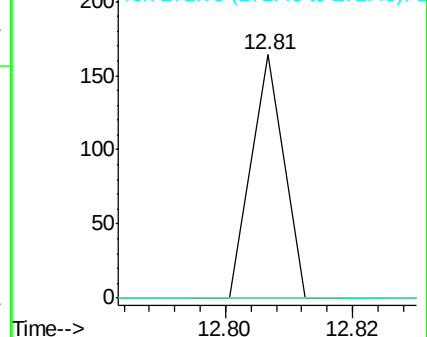
272 0.0 0.0 30.9

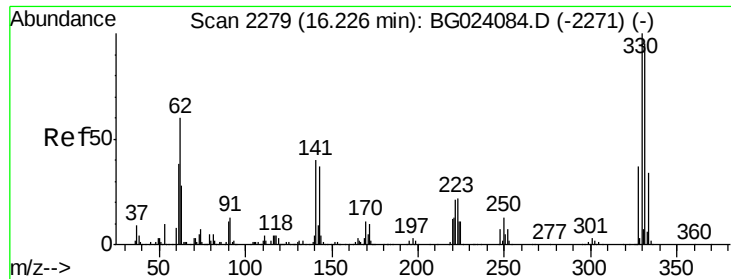


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

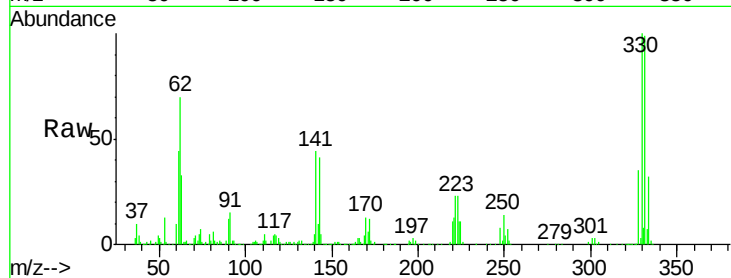




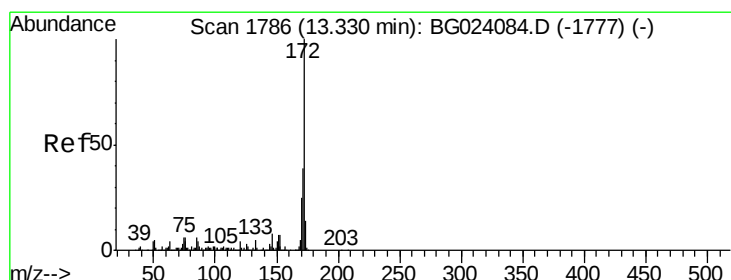
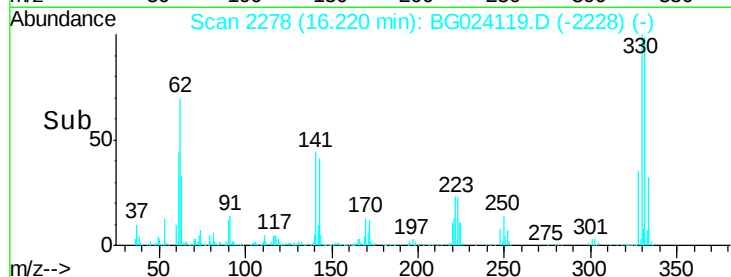
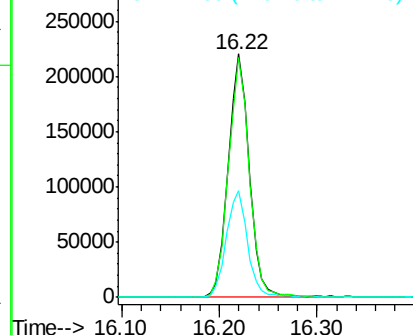
#41
 2,4,6-Tribromophenol
 Concen: 147.64 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024119.D
 Acq: 24 Sep 2016 11:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-1-092116

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.4	116.2
141	44.3	31.7	47.5

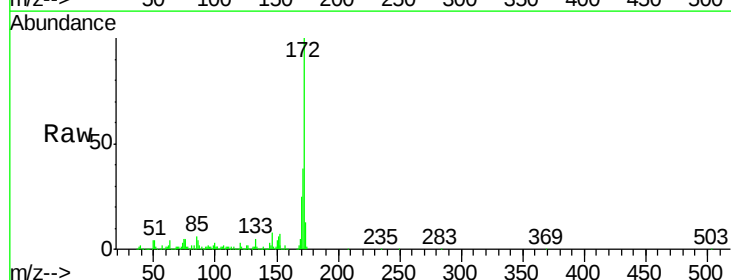


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

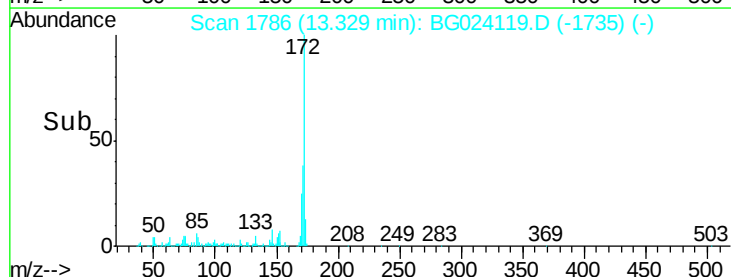
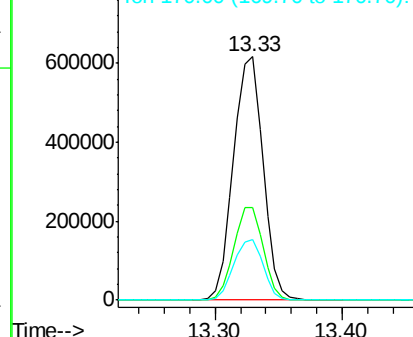


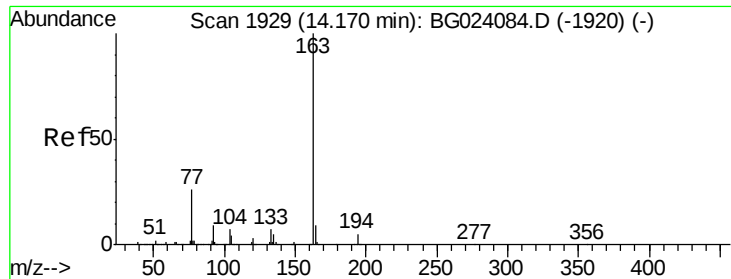
#44
 2-Fluorobiphenyl
 Concen: 107.51 ng
 RT: 13.33 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BG024119.D
 Acq: 24 Sep 2016 11:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.6	47.4
170	25.1	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





#49

Dimethylphthalate

Concen: 3.03 ng

RT: 14.16 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

Instrument :

BNA_G

ClientSampleId :

MW-1-092116

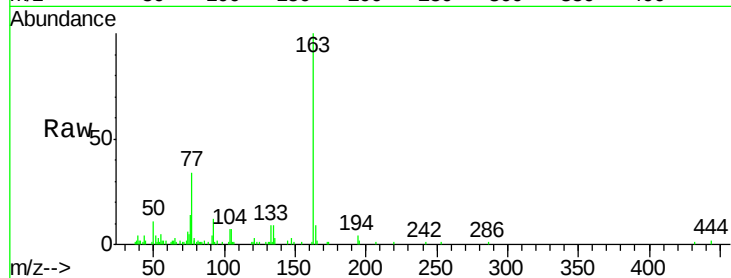
Tgt Ion:163 Resp: 36259

Ion Ratio Lower Upper

163 100

194 4.1 3.6 5.4

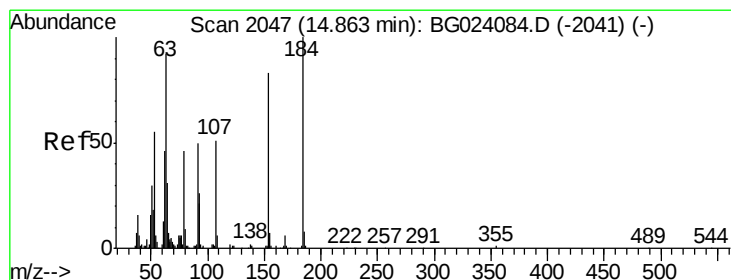
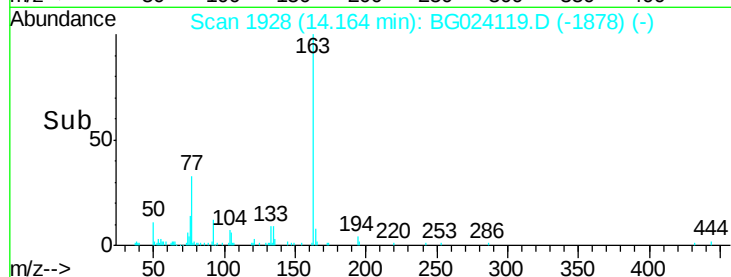
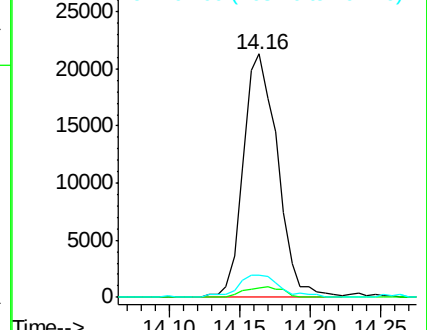
164 9.0 8.1 12.1



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: 2.50 ng

RT: 14.86 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

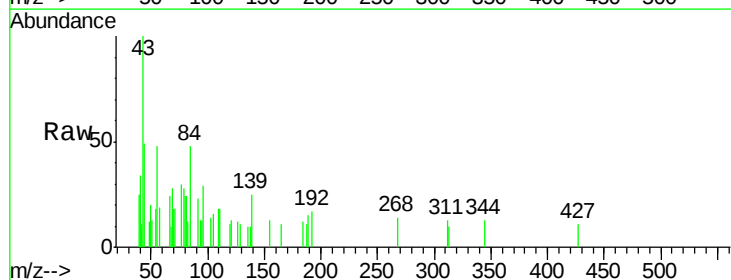
Tgt Ion:184 Resp: 65

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

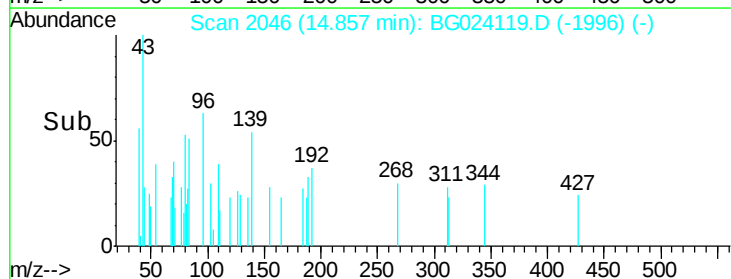
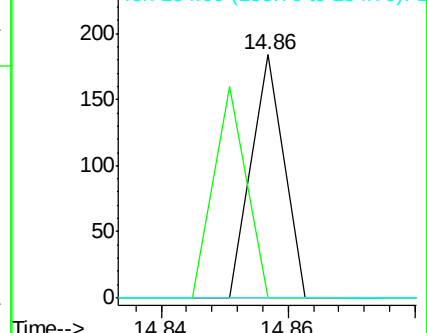
154 0.0 67.4 101.0#

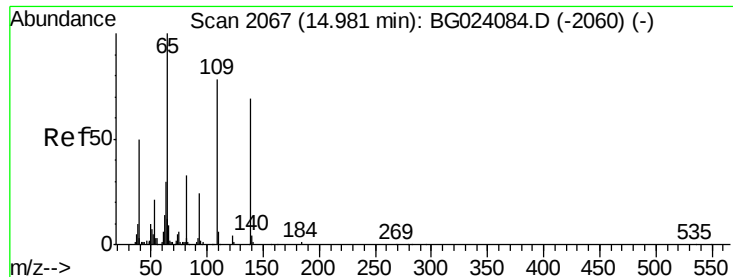


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 5.43 ng

RT: 14.92 min Scan# 2057

Delta R.T. -0.06 min

Lab File: BG024119.D

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MW-1-092116

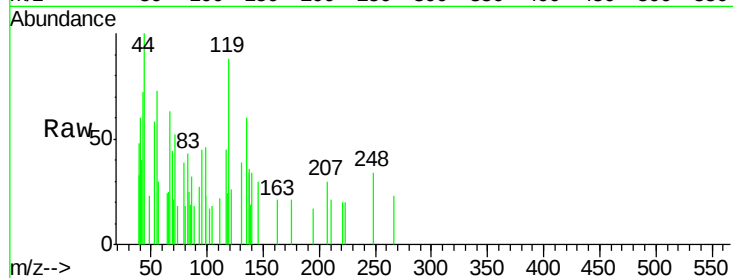
Tgt Ion:139 Resp: 173

Ion Ratio Lower Upper

139 100

109 0.0 103.0 143.0#

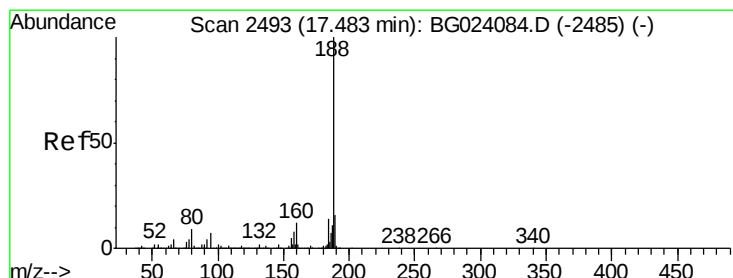
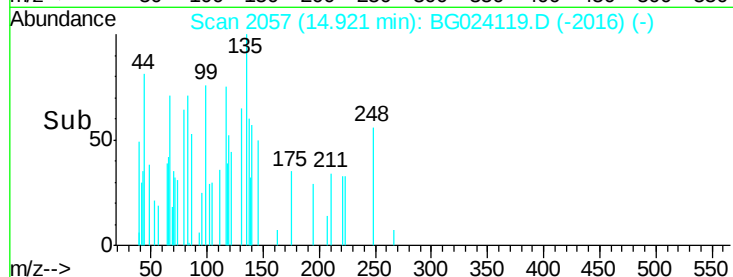
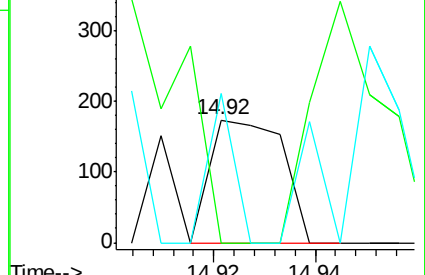
65 121.8 112.7 152.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.48 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

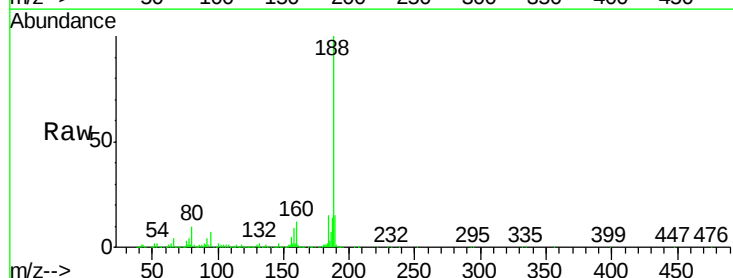
Tgt Ion:188 Resp: 355769

Ion Ratio Lower Upper

188 100

94 7.0 5.2 7.8

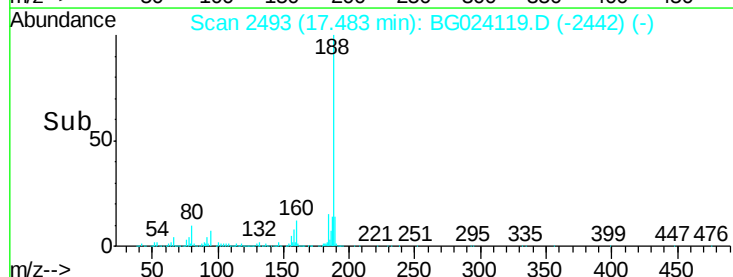
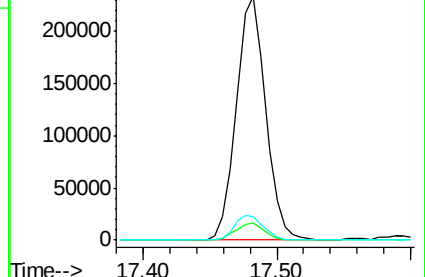
80 9.8 7.2 10.8

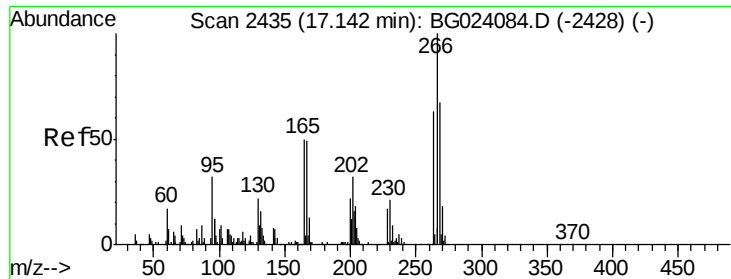


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

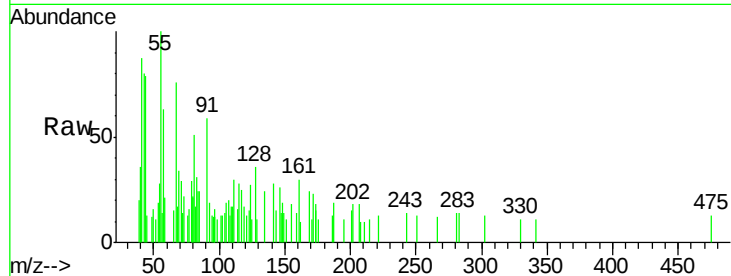




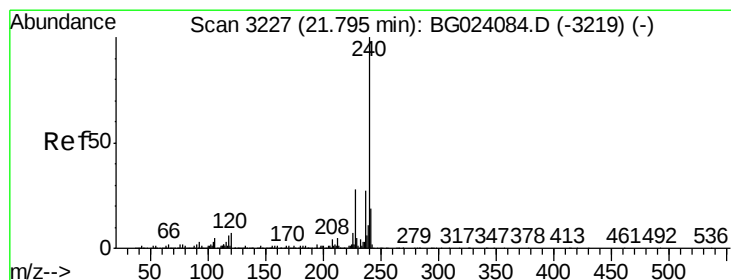
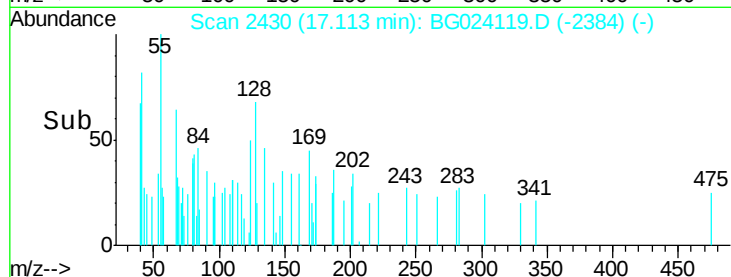
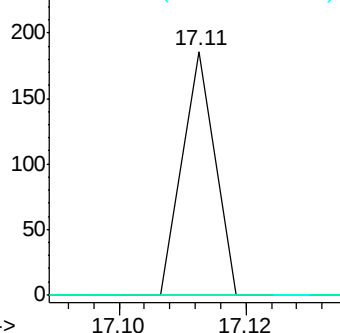
#69
 Pentachlorophenol
 Concen: 3.59 ng
 RT: 17.11 min Scan# 2430
 Delta R.T. -0.03 min
 Lab File: BG024119.D
 Acq: 24 Sep 2016 11:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-1-092116

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.9	77.9#
264	0.0	50.6	75.8#

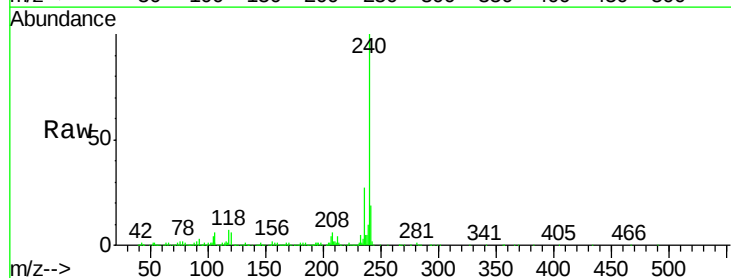


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

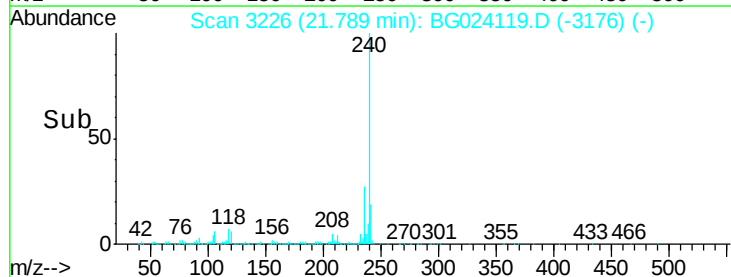
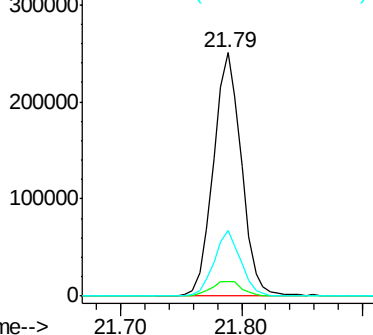


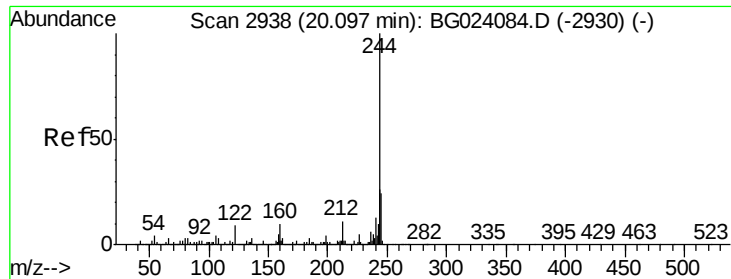
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.79 min Scan# 3226
 Delta R.T. -0.01 min
 Lab File: BG024119.D
 Acq: 24 Sep 2016 11:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.1	6.1
236	27.1	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





#78

Terphenyl-d14

Concen: 84.21 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

Instrument :

BNA_G

ClientSampleId :

MW-1-092116

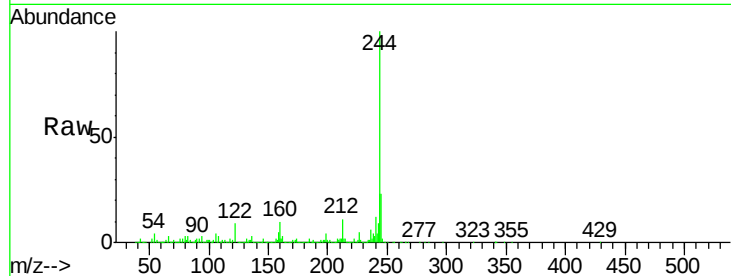
Tgt Ion:244 Resp: 1671809

Ion	Ratio	Lower	Upper
244	100		
212	10.9	10.8	16.2
122	8.8	8.0	12.0

244 100

212 10.9 10.8 16.2

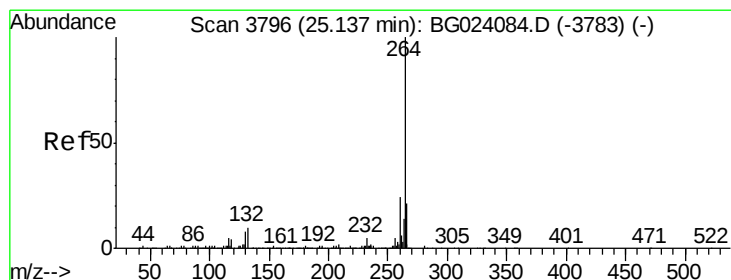
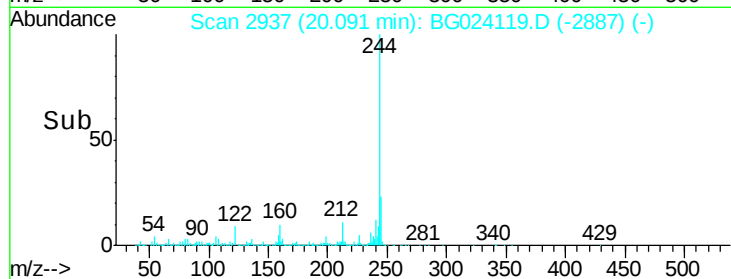
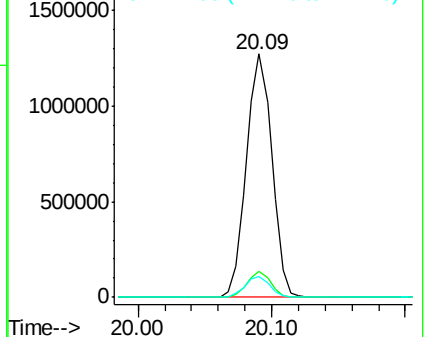
122 8.8 8.0 12.0



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

Perylene-d12

Concen: 20.00 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.02 min

Lab File: BG024119.D

Acq: 24 Sep 2016 11:23

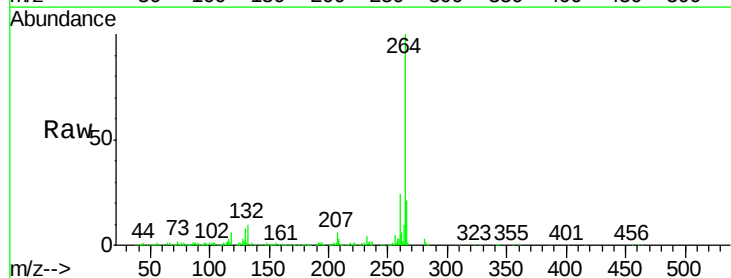
Tgt Ion:264 Resp: 402057

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.0	18.9	28.3

264 100

260 23.6 18.4 27.6

265 21.0 18.9 28.3



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

