

Data Path : Z:\HPCHEM1\BNA G\Data\BG092616\
 Data File : BG024138.D
 Acq On : 26 Sep 2016 12:14
 Operator : UM/SJ
 Sample : PB93572TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 26 14:56:31 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

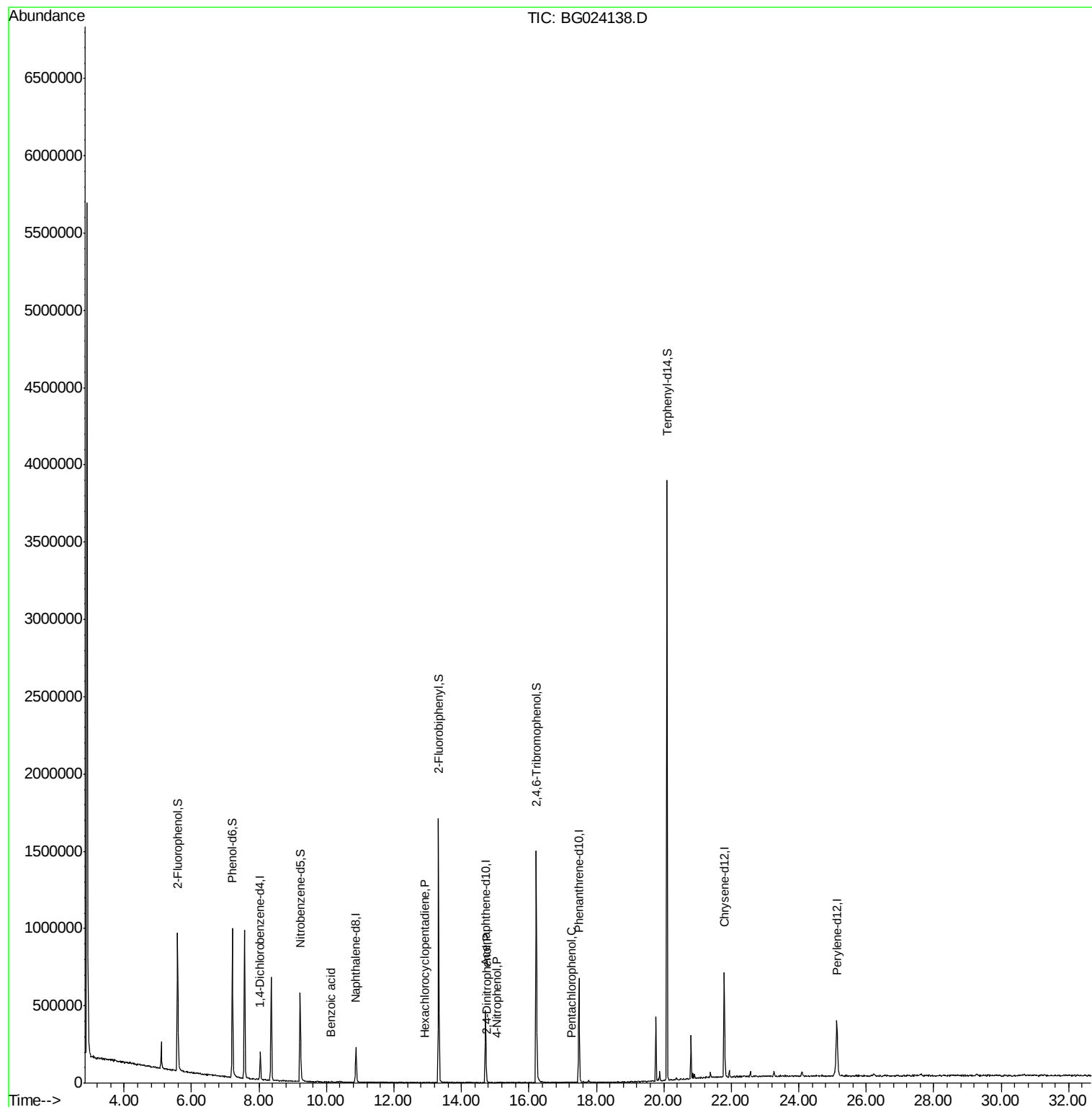
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45874	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	198639	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	168119	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	416398	20.00	ng	0.00
75) Chrysene-d12	21.79	240	446128	20.00	ng	0.00
86) Perylene-d12	25.13	264	437109	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	374928	141.59	ng	0.00
7) Phenol-d6	7.21	99	559152	125.50	ng	0.00
23) Nitrobenzene-d5	9.22	82	409831	81.32	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	280477	116.07	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	833026	83.29	ng	0.00
78) Terphenyl-d14	20.09	244	1544651	70.90	ng	0.00
Target Compounds						
32) Benzoic acid	10.13	122	61	2.18	ng	# 1
40) Hexachlorocyclopentadiene	12.91	237	76	3.62	ng	# 26
53) 2,4-Dinitrophenol	14.75	184	75	2.50	ng	# 10
55) 4-Nitrophenol	15.05	139	81	5.38	ng	# 1
69) Pentachlorophenol	17.25	266	55	3.58	ng	# 22

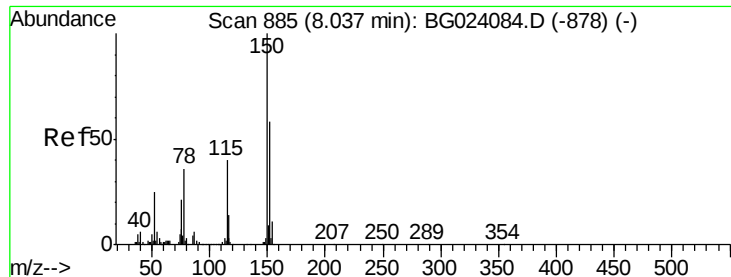
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.M
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QLast Update : Fri Sep 23 15:35:28 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. 0.00 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

Instrument :

BNA_G

ClientSampleId :

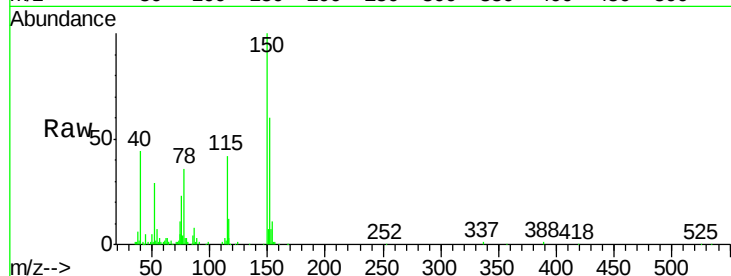
Tot Ion:152 Resp: 45874

Ion Ratio Lower Upper

152 100

150 165.9 144.7 217.1

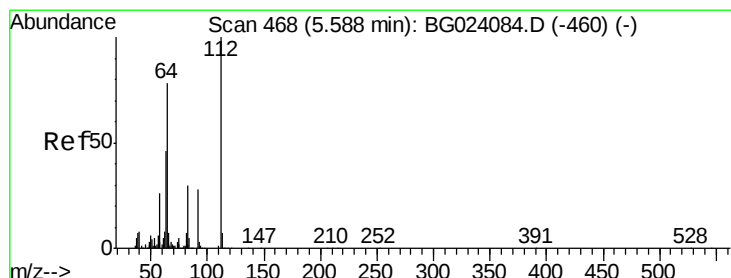
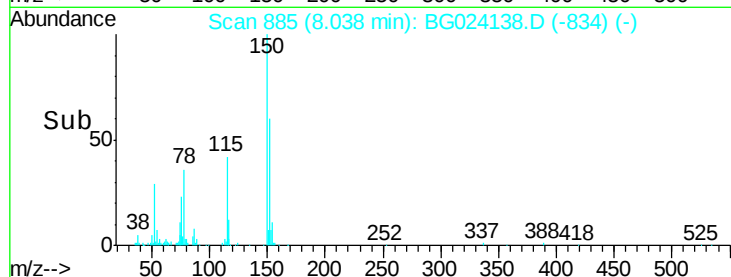
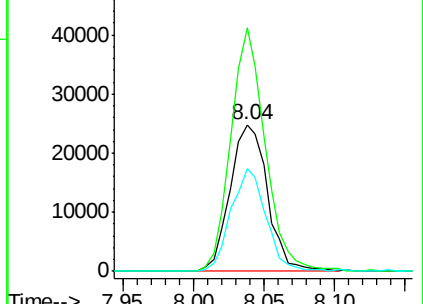
115 69.9 64.0 96.0



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: 141.59 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

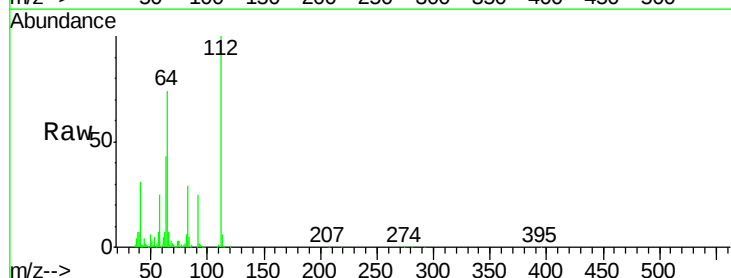
Tgt Ion:112 Resp: 374928

Ion Ratio Lower Upper

112 100

64 74.0 59.0 88.4

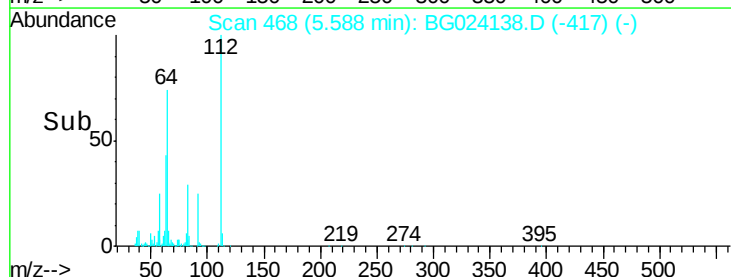
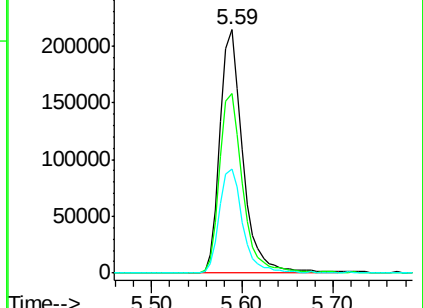
63 43.0 37.8 56.8

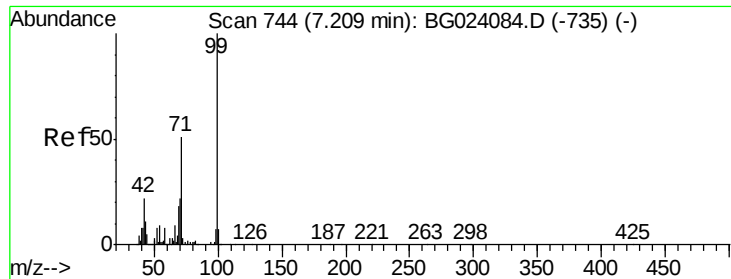


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.50 ng

RT: 7.21 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

Instrument :

BNA_G

ClientSampleId :

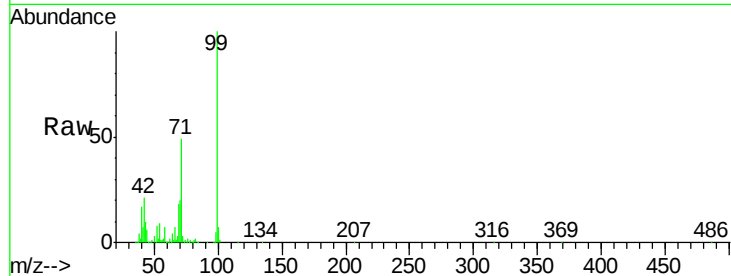
Tot Ion: 99 Resp: 559152

Ion Ratio Lower Upper

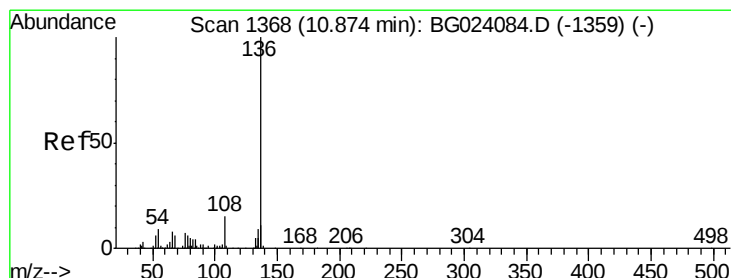
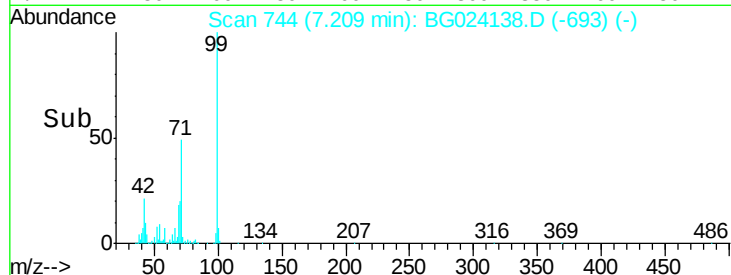
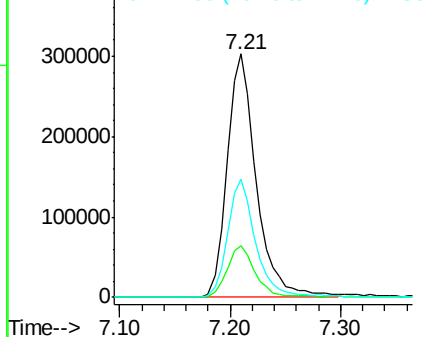
99 100

42 21.2 17.8 26.6

71 48.7 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: BG024138.D

Acq: 26 Sep 2016 12:14

Tgt Ion: 136 Resp: 198639

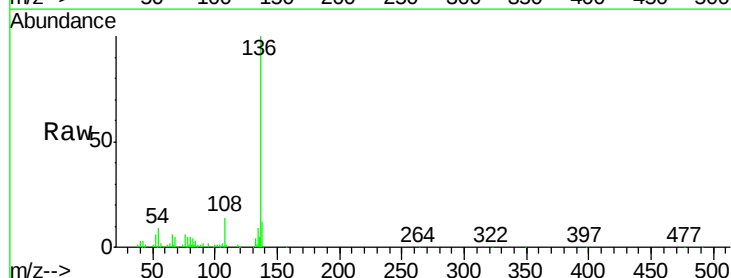
Ion Ratio Lower Upper

136 100

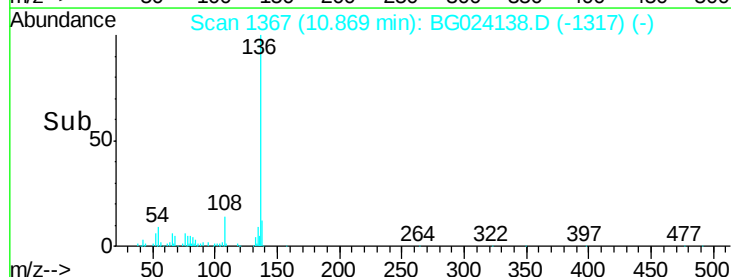
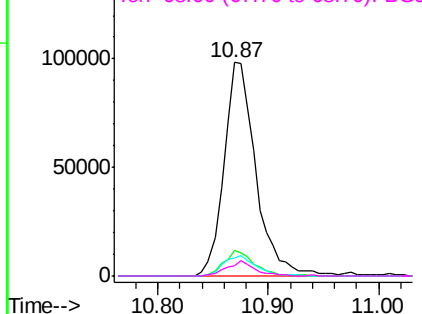
137 11.8 9.6 14.4

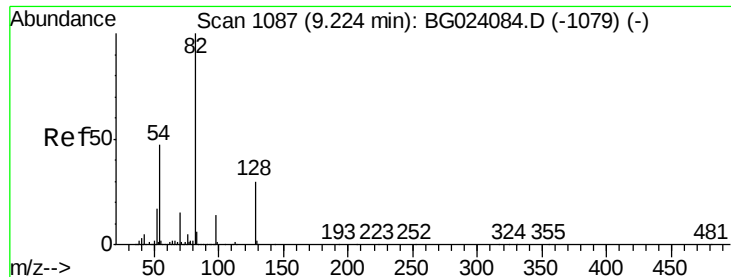
54 8.6 7.3 10.9

68 4.8 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

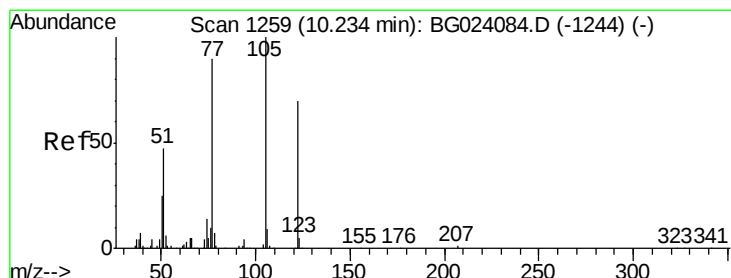
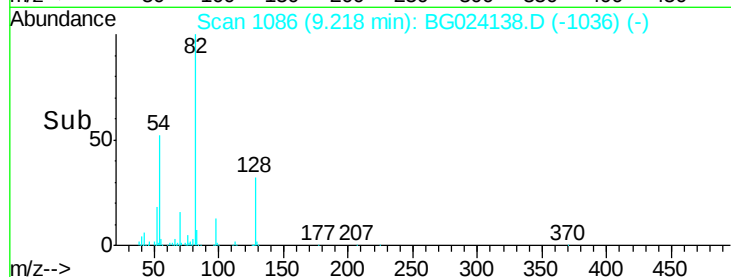
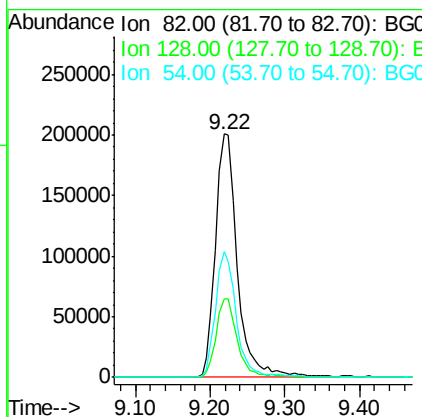
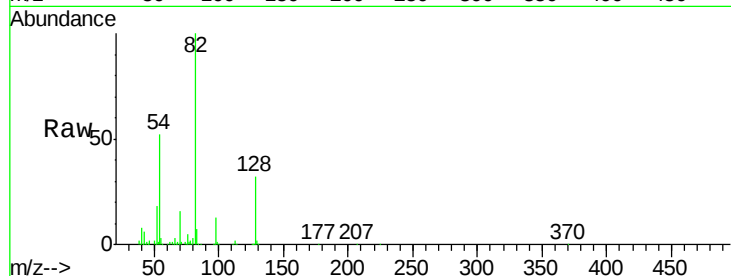




#23
 Nitrobenzene-d5
 Concen: 81.32 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BG024138.D
 Acq: 26 Sep 2016 12:14

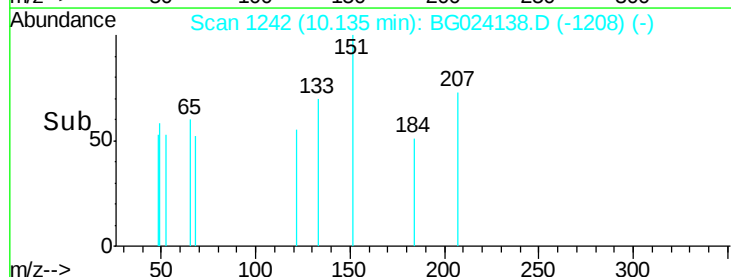
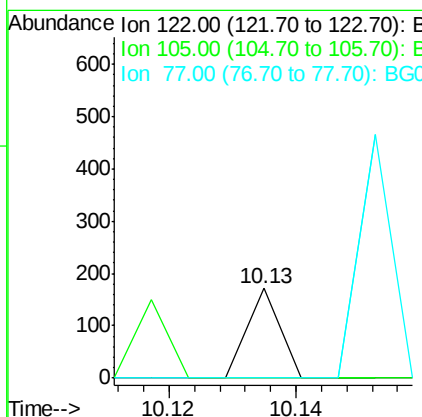
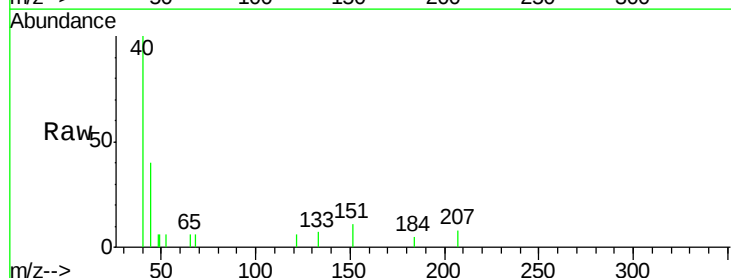
Instrument :
 BNA_G
 ClientSampled :

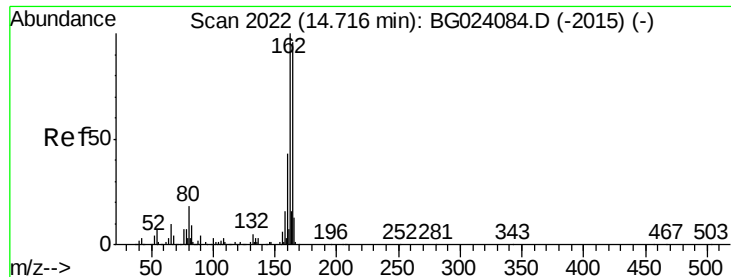
Tot Ion	82	Resp	409831
Ion Ratio	Lower	Upper	
82	100		
128	32.1	24.4	36.6
54	52.0	41.4	62.0



#32
 Benzoic acid
 Concen: 2.18 ng
 RT: 10.13 min Scan# 1242
 Delta R.T. -0.10 min
 Lab File: BG024138.D
 Acq: 26 Sep 2016 12:14

Tgt Ion	122	Resp	61
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: BG024138.D

Acq: 26 Sep 2016 12:14

Instrument :

BNA_G

ClientSampleId :

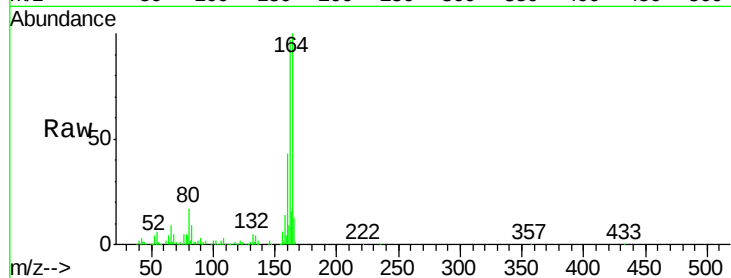
Tot Ion:164 Resp: 168119

Ion Ratio Lower Upper

164 100

162 97.1 87.7 131.5

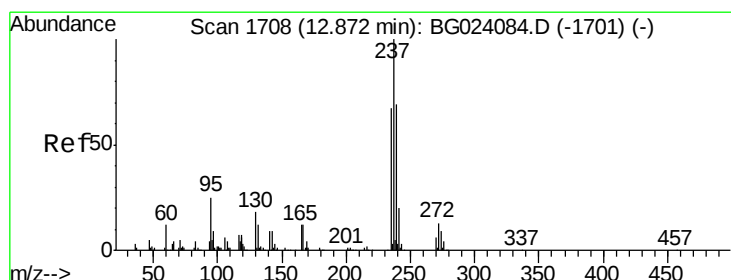
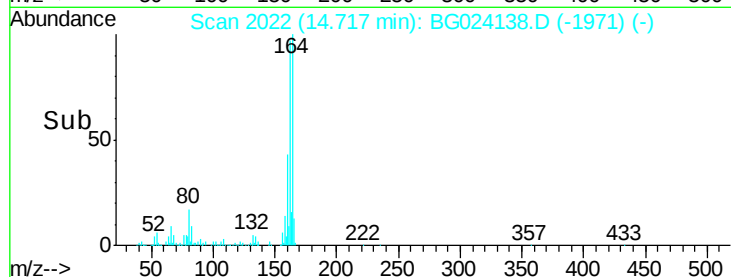
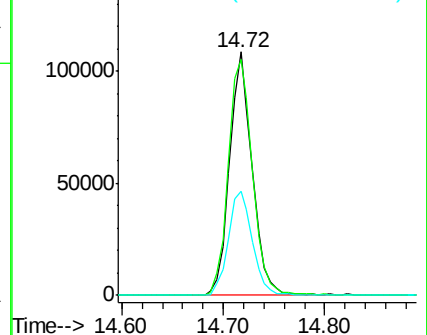
160 42.5 37.2 55.8



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: 12.91 min Scan# 1715

Delta R.T. 0.04 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

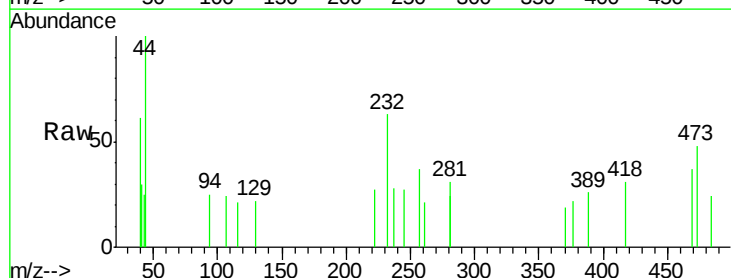
Tgt Ion:237 Resp: 76

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

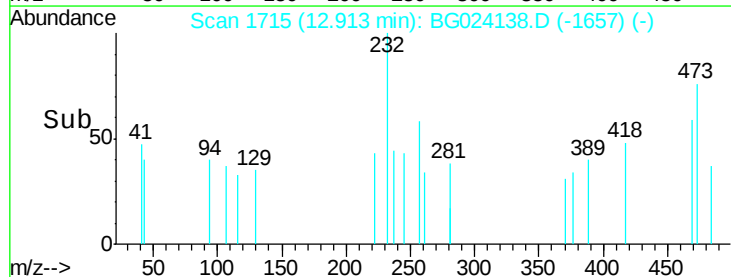
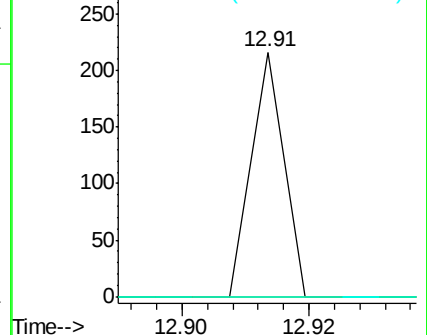
272 0.0 0.0 30.9

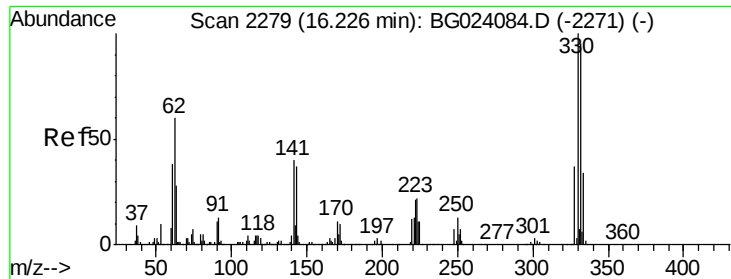


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

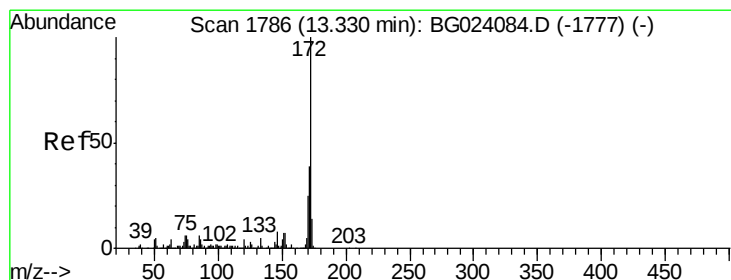
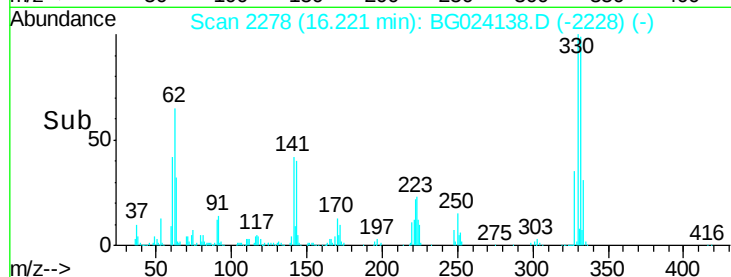
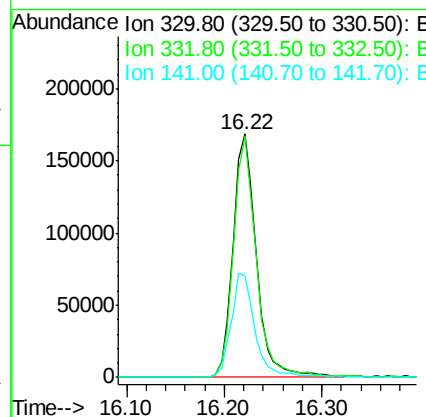
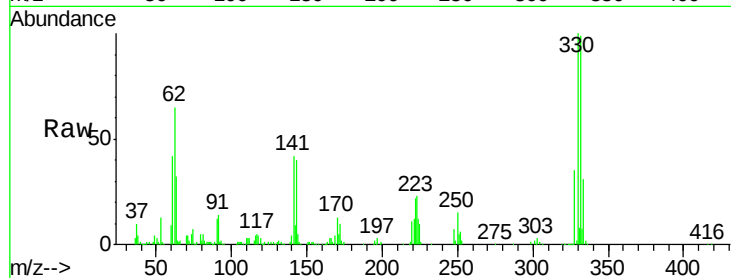




#41
 2,4,6-Tribromophenol
 Concen: 116.07 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BG024138.D
 Acq: 26 Sep 2016 12:14

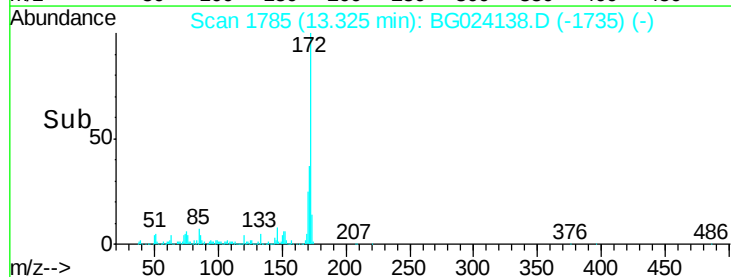
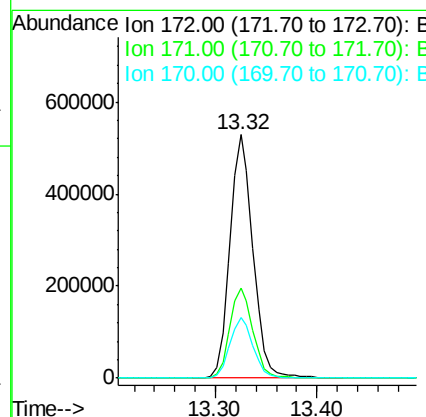
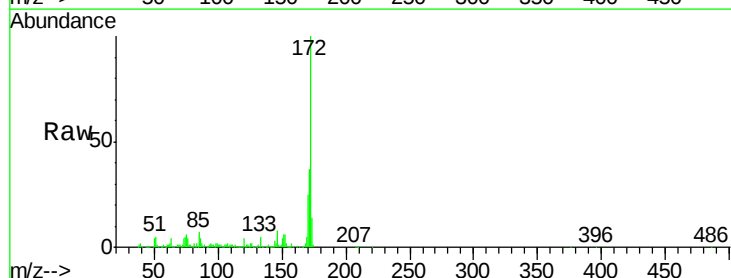
Instrument :
 BNA_G
 ClientSampleId :

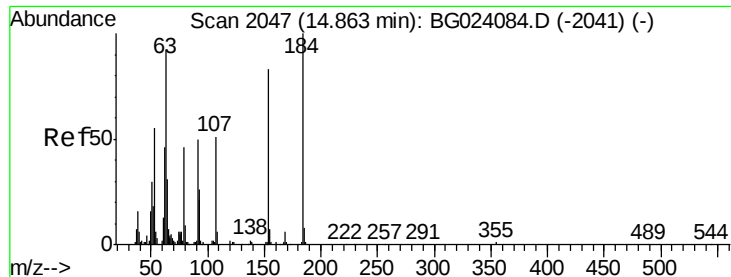
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	43.6	31.7	47.5



#44
 2-Fluorobiphenyl
 Concen: 83.29 ng
 RT: 13.32 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BG024138.D
 Acq: 26 Sep 2016 12:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.6	47.4
170	24.8	21.3	31.9





#53

2,4-Dinitrophenol

Concen: 2.50 ng

RT: 14.75 min Scan# 2028

Delta R.T. -0.11 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

Instrument :

BNA_G

ClientSampleId :

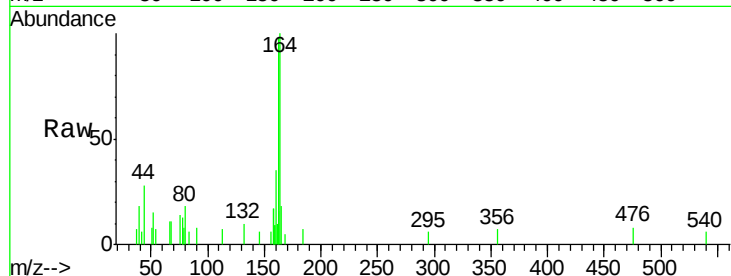
Tot Ion:184 Resp: 75

Ion Ratio Lower Upper

184 100

63 0.0 59.6 89.4#

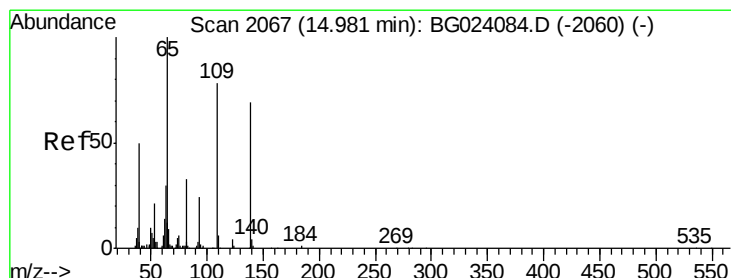
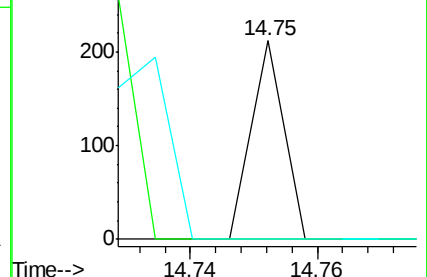
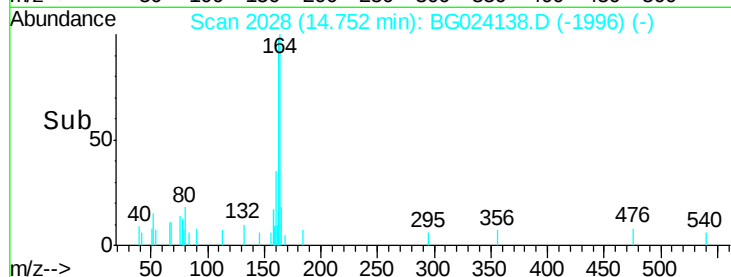
154 0.0 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 5.38 ng

RT: 15.05 min Scan# 2079

Delta R.T. 0.07 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

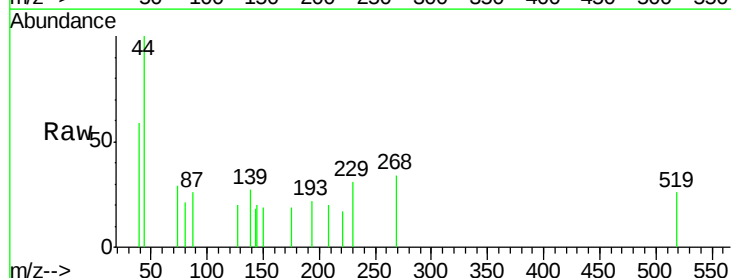
Tgt Ion:139 Resp: 81

Ion Ratio Lower Upper

139 100

109 0.0 103.0 143.0#

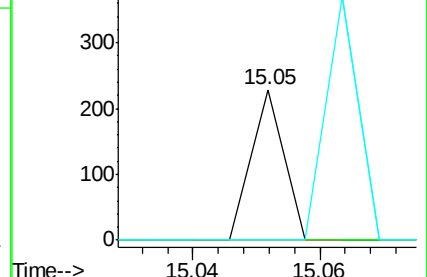
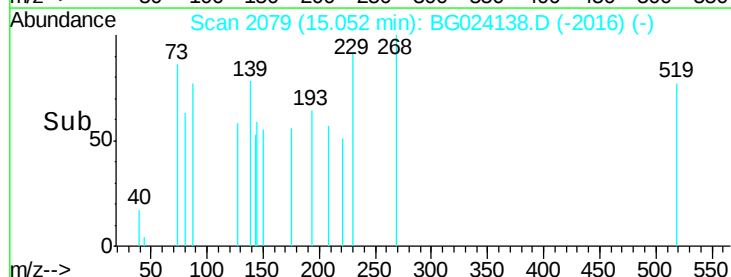
65 0.0 112.7 152.7#

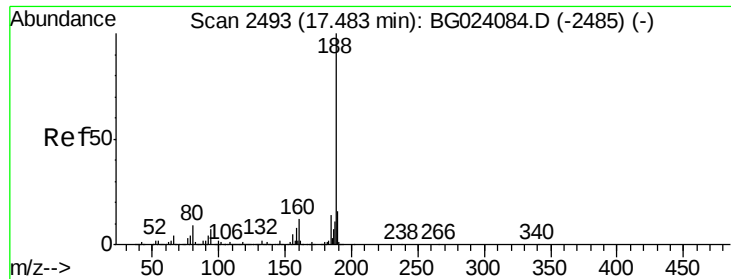


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

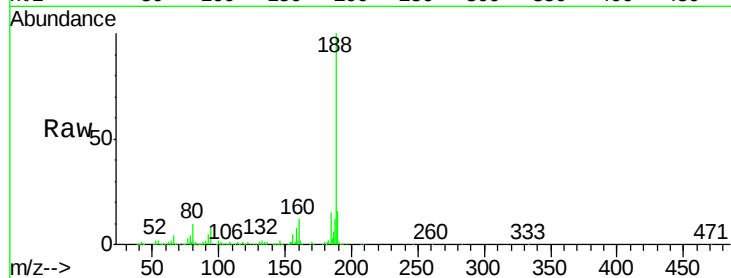




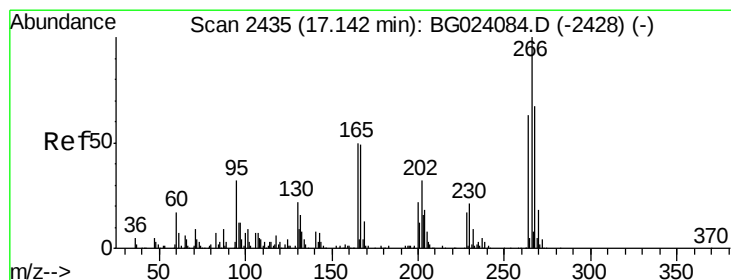
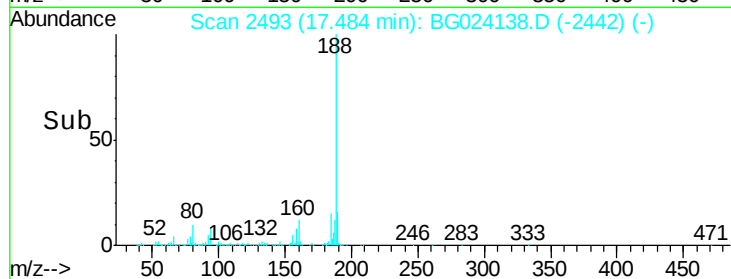
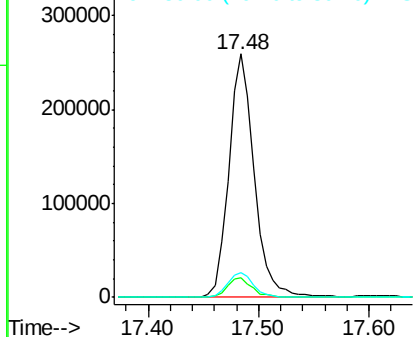
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2493
Delta R.T. 0.00 min
Lab File: BG024138.D
Acq: 26 Sep 2016 12:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 416398
Ion Ratio Lower Upper
188 100
94 7.8 5.2 7.8#
80 10.1 7.2 10.8

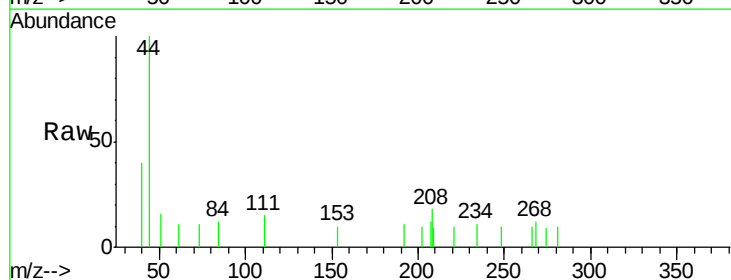


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

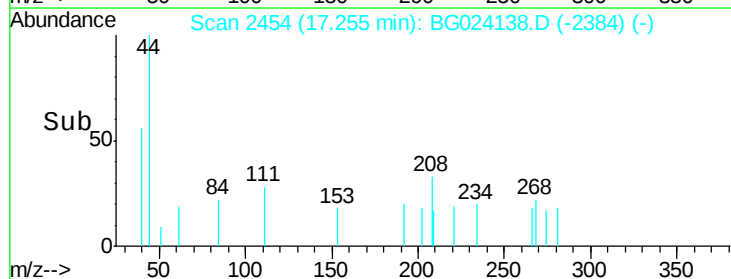
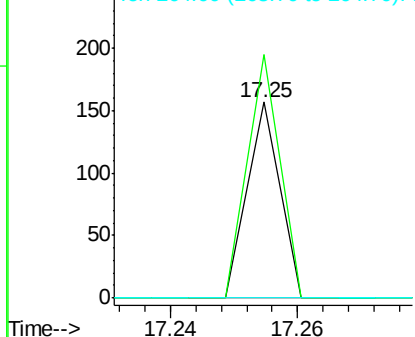


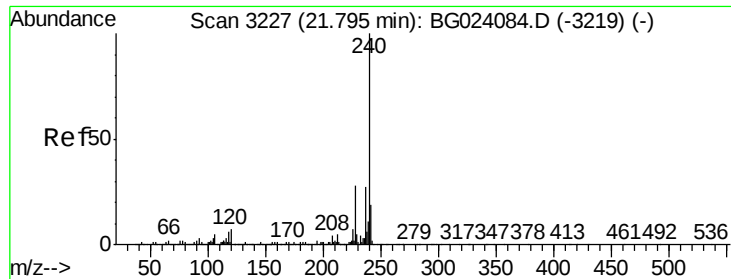
#69
Pentachlorophenol
Concen: 3.58 ng
RT: 17.25 min Scan# 2454
Delta R.T. 0.11 min
Lab File: BG024138.D
Acq: 26 Sep 2016 12:14

Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
268 124.2 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: BG024138.D

Acq: 26 Sep 2016 12:14

Instrument :

BNA_G

ClientSampleId :

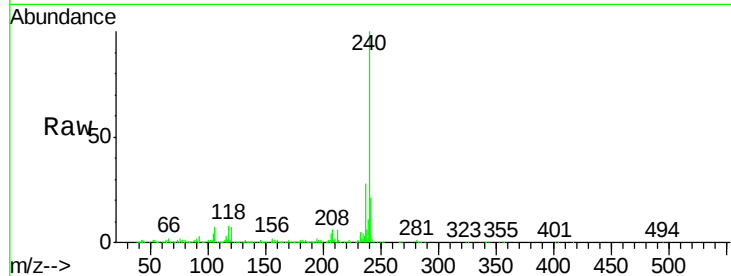
Tot Ion:240 Resp: 446128

Ion Ratio Lower Upper

240 100

120 7.0 4.1 6.1#

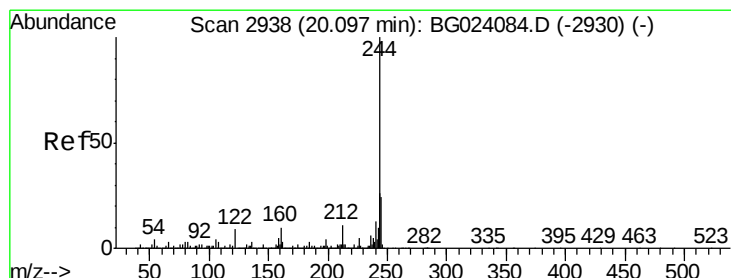
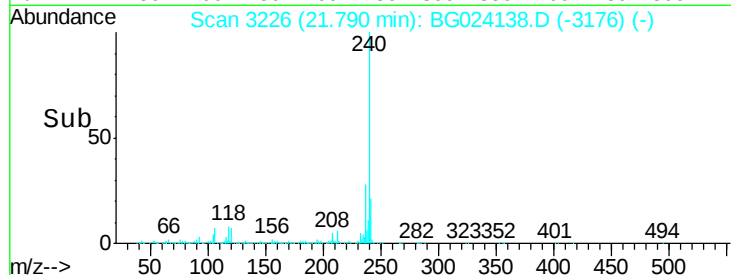
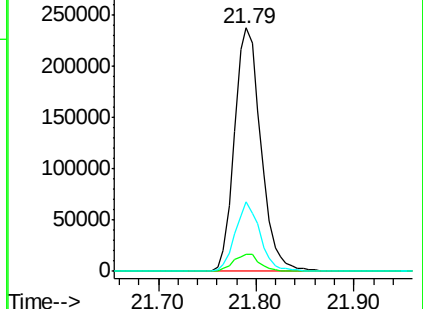
236 28.5 21.1 31.7



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: 70.90 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.01 min

Lab File: BG024138.D

Acq: 26 Sep 2016 12:14

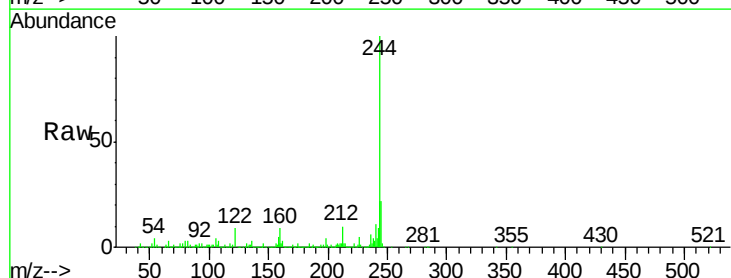
Tgt Ion:244 Resp: 1544651

Ion Ratio Lower Upper

244 100

212 10.4 10.8 16.2#

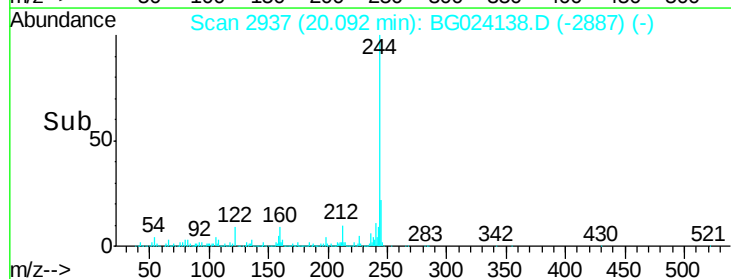
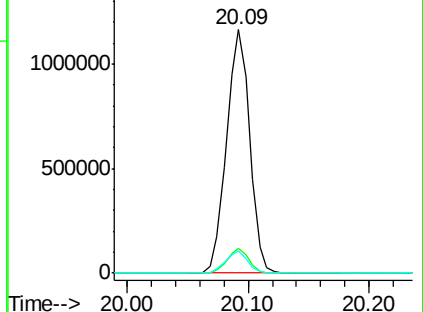
122 9.4 8.0 12.0

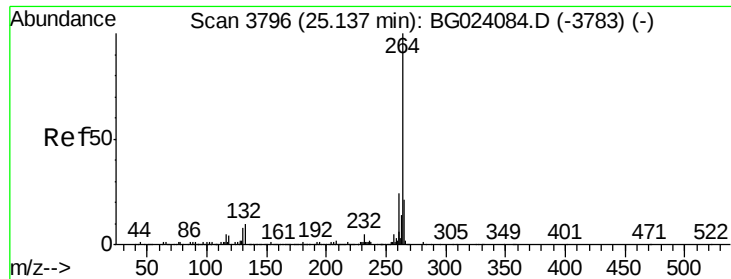


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.13 min Scan# 3794
Delta R.T. -0.01 min
Lab File: BG024138.D
Acq: 26 Sep 2016 12:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.4	27.6
265	24.2	18.9	28.3

