

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG093016\
 Data File : BG024161.D
 Acq On : 30 Sep 2016 16:10
 Operator : UM/SJ
 Sample : H5018-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-71-092816

Quant Time: Sep 30 18:46:20 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

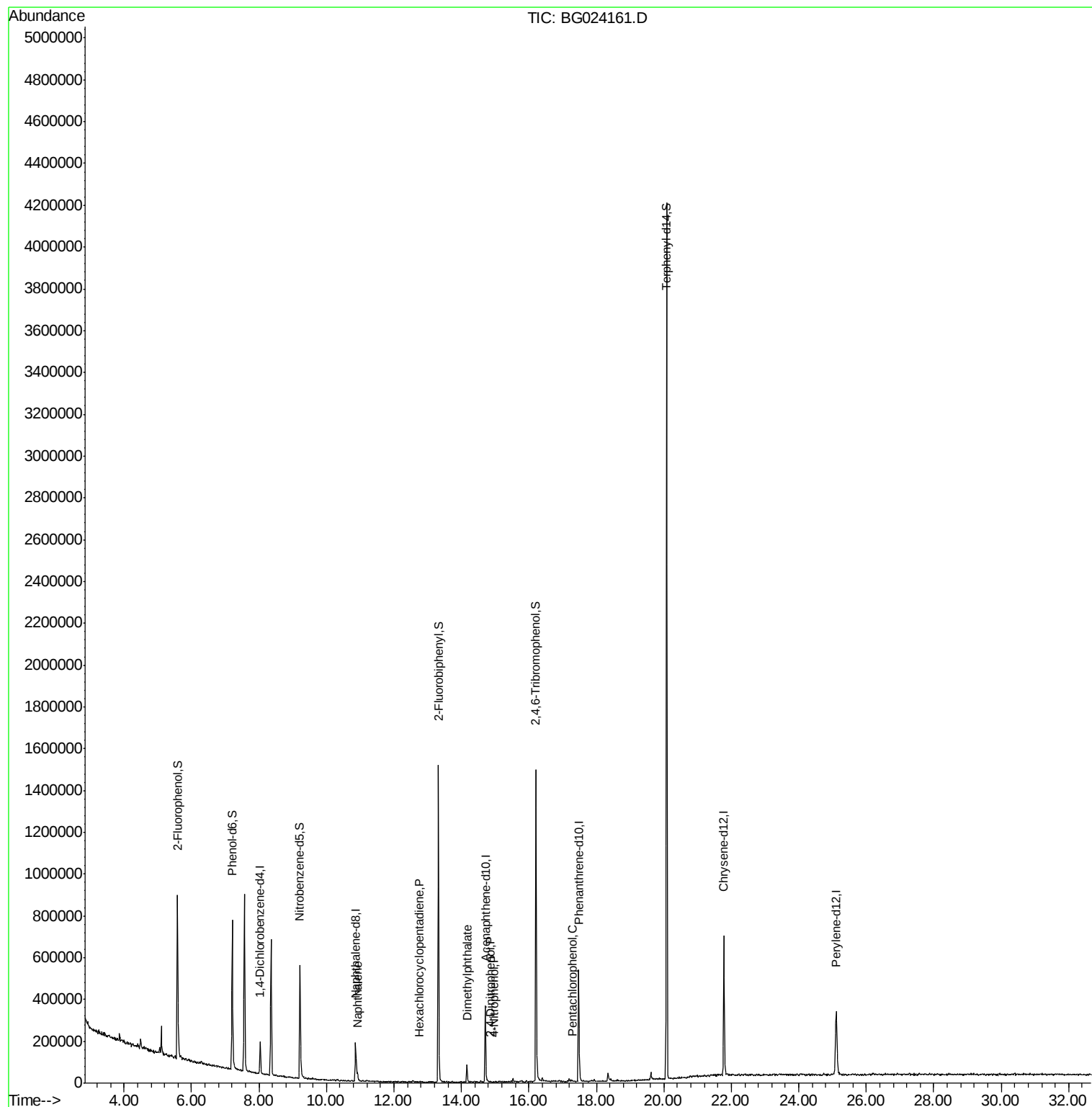
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37408	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	164071	20.00	ng	-0.01
38) Acenaphthene-d10	14.71	164	130891	20.00	ng	0.00
63) Phenanthrene-d10	17.48	188	352271	20.00	ng	0.00
75) Chrysene-d12	21.78	240	446626	20.00	ng	-0.02
86) Perylene-d12	25.11	264	317327	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	324407	150.24	ng	0.00
7) Phenol-d6	7.20	99	436101	120.03	ng	0.00
23) Nitrobenzene-d5	9.21	82	380015	91.29	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	253594	134.79	ng	-0.02
44) 2-Fluorobiphenyl	13.32	172	752655	96.66	ng	-0.01
78) Terphenyl-d14	20.08	244	1690091	77.48	ng	-0.02
Target Compounds						
31) Naphthalene	10.92	128	33041	3.98	ng	# 86
40) Hexachlorocyclopentadiene	12.76	237	54	3.62	ng	# 26
49) Dimethylphthalate	14.16	163	57400	5.72	ng	96
53) 2,4-Dinitrophenol	14.85	184	68	2.51	ng	# 38
55) 4-Nitrophenol	14.97	139	54	5.38	ng	# 1
69) Pentachlorophenol	17.28	266	76	3.59	ng	# 18

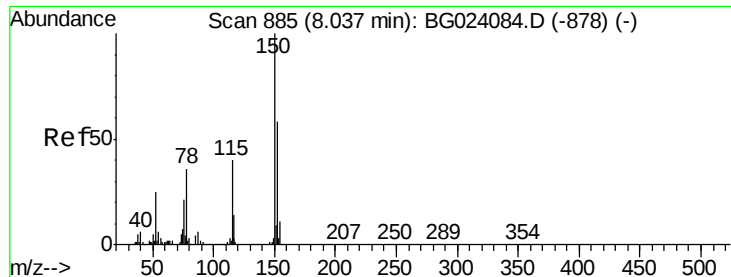
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.03 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

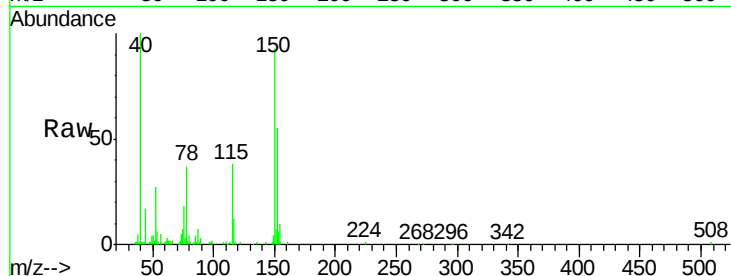
Tgt Ion:152 Resp: 37408

Ion Ratio Lower Upper

152 100

150 169.1 144.7 217.1

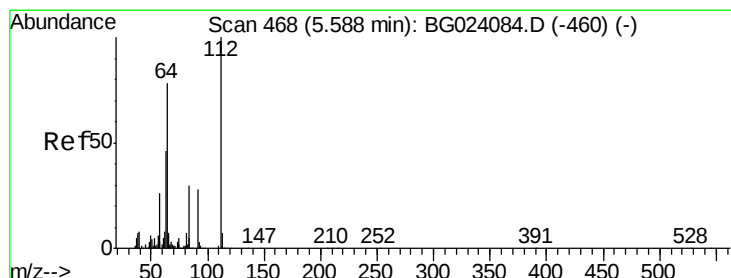
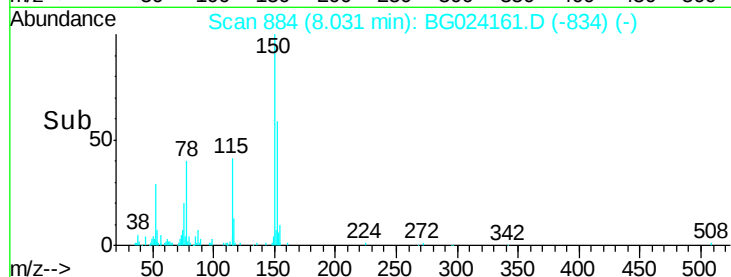
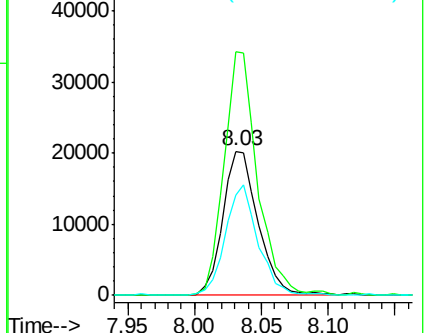
115 69.3 64.0 96.0



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: 150.24 ng

RT: 5.58 min Scan# 467

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

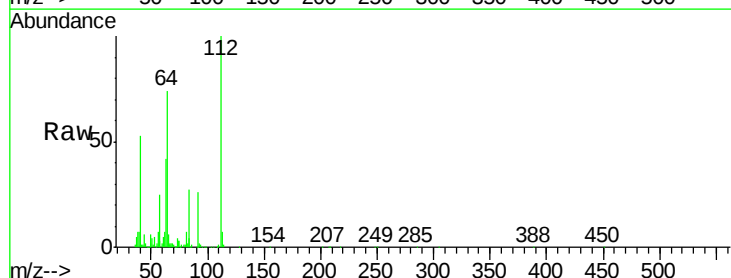
Tgt Ion:112 Resp: 324407

Ion Ratio Lower Upper

112 100

64 74.1 59.0 88.4

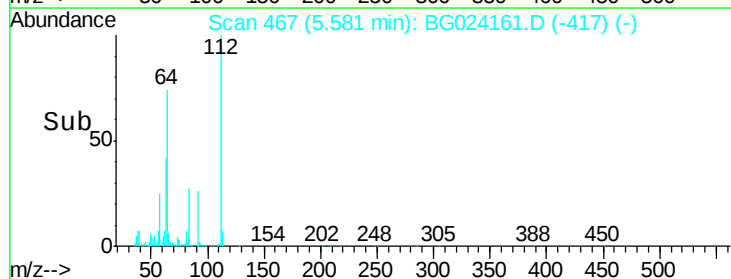
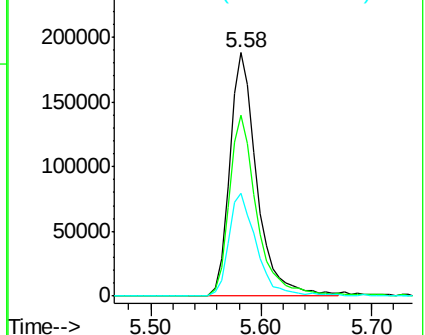
63 42.5 37.8 56.8

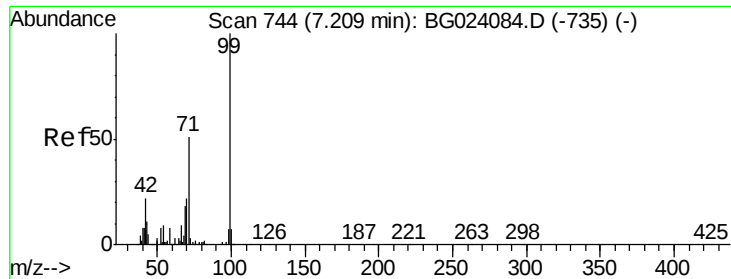


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.03 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

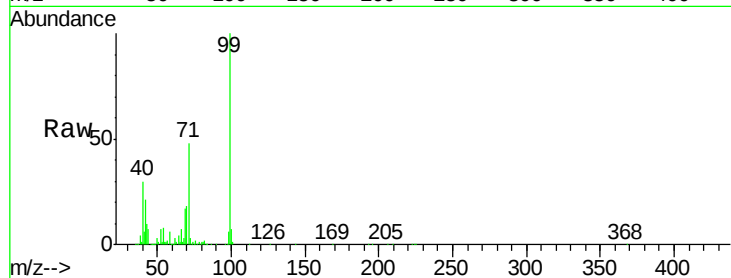
Tgt Ion: 99 Resp: 436101

Ion Ratio Lower Upper

99 100

42 20.7 17.8 26.6

71 47.8 41.5 62.3

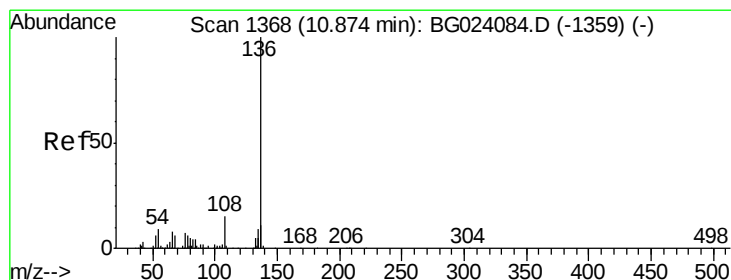
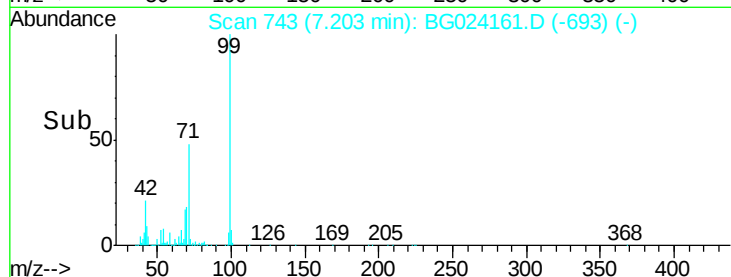
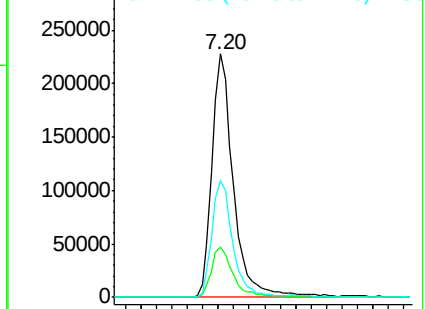


Abundance

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: 10.86 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Tgt Ion: 136 Resp: 164071

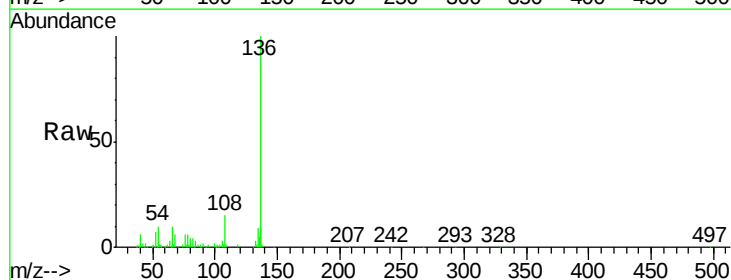
Ion Ratio Lower Upper

136 100

137 9.1 9.6 14.4#

54 10.1 7.3 10.9

68 6.0 5.3 7.9



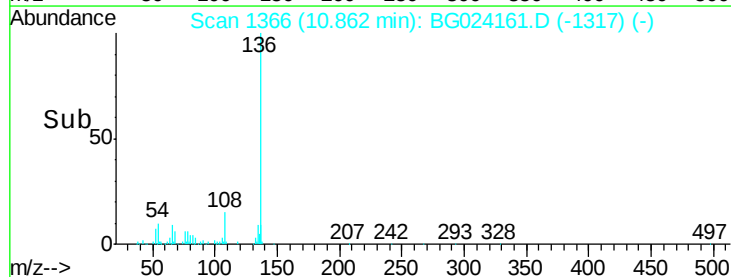
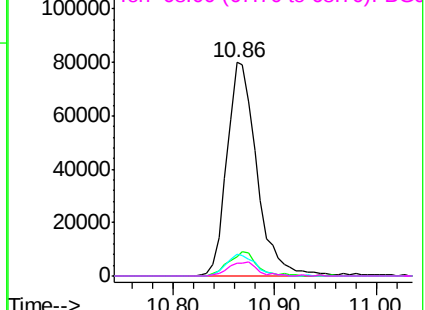
Abundance

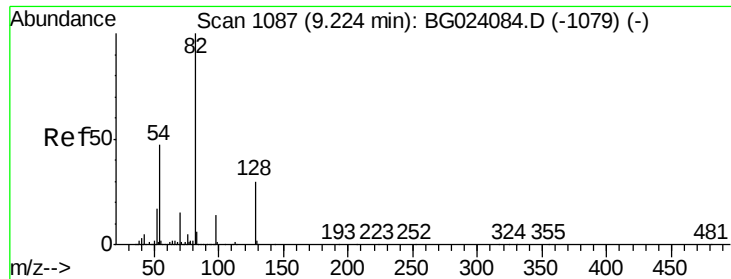
Ion 136.00 (135.70 to 136.70): BGC

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

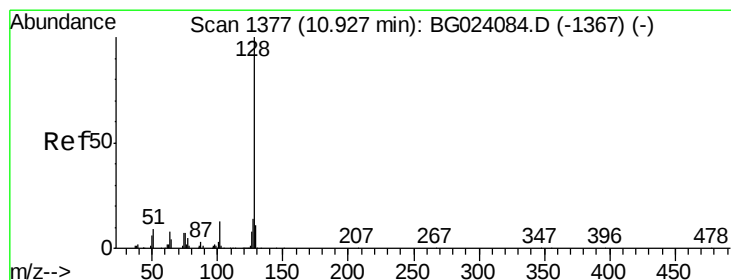
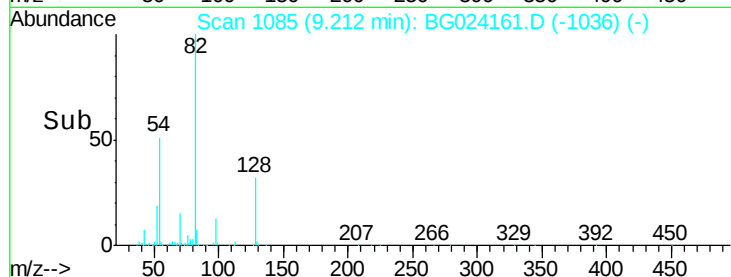
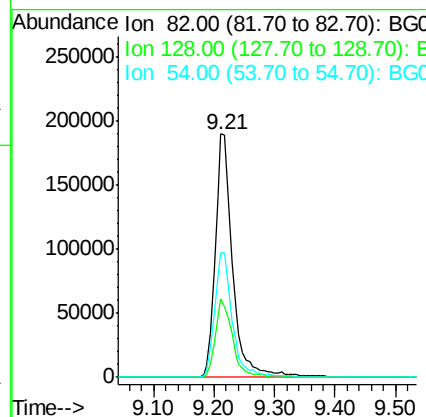
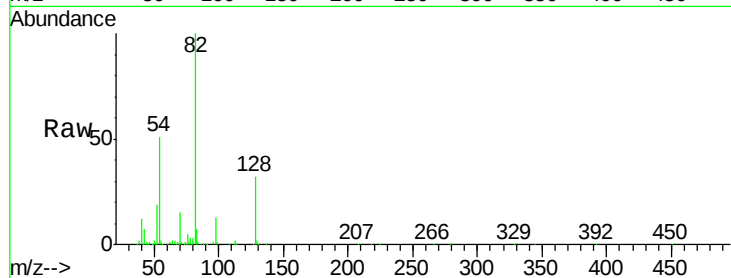




#23
 Nitrobenzene-d5
 Concen: 91.29 ng
 RT: 9.21 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BG024161.D
 Acq: 30 Sep 2016 16:10

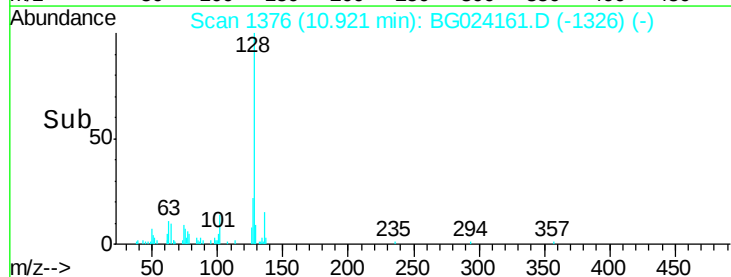
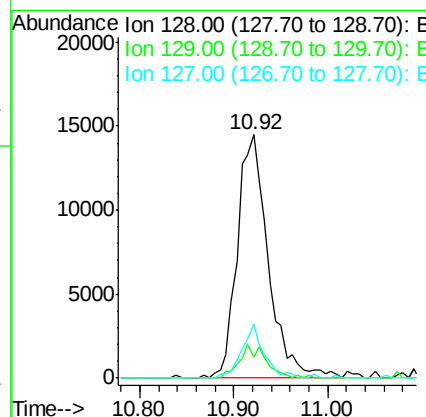
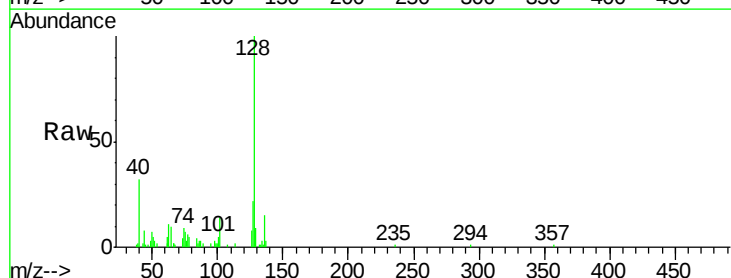
Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-71-092816

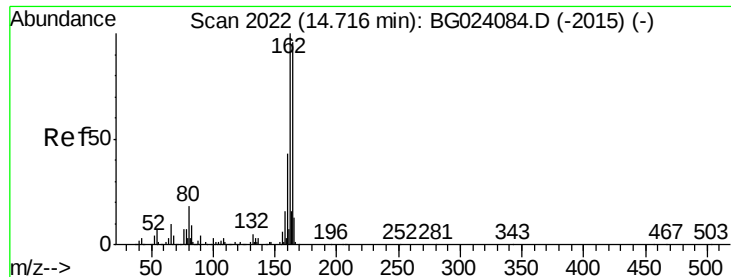
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.5	24.4	36.6
54	51.3	41.4	62.0



#31
 Naphthalene
 Concen: 3.98 ng
 RT: 10.92 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: BG024161.D
 Acq: 30 Sep 2016 16:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.7	9.4	14.0#
127	22.2	11.3	16.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

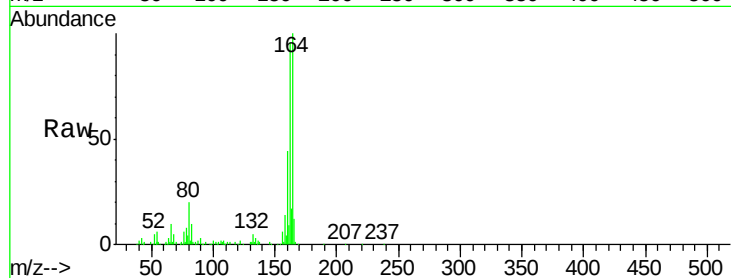
Tgt Ion:164 Resp: 130891

Ion Ratio Lower Upper

164 100

162 95.8 87.7 131.5

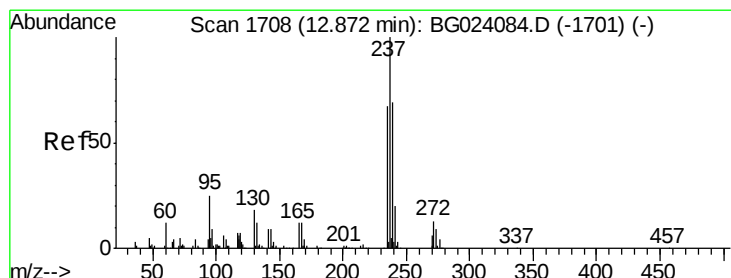
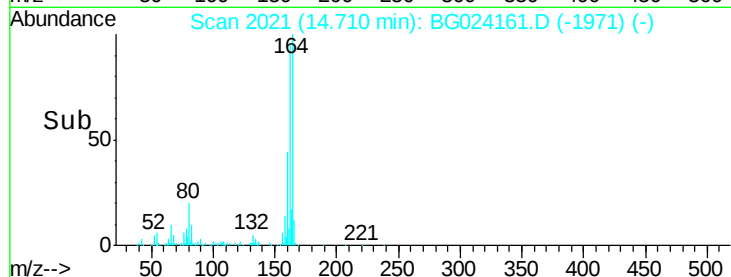
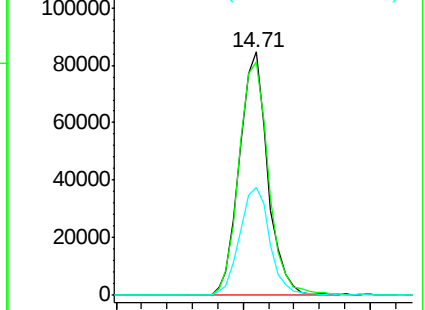
160 44.3 37.2 55.8



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: 12.76 min Scan# 1689

Delta R.T. -0.11 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

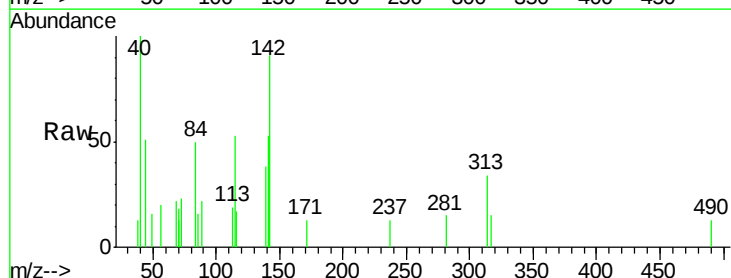
Tgt Ion:237 Resp: 54

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

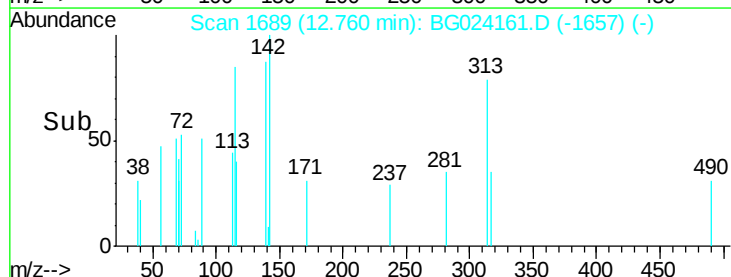
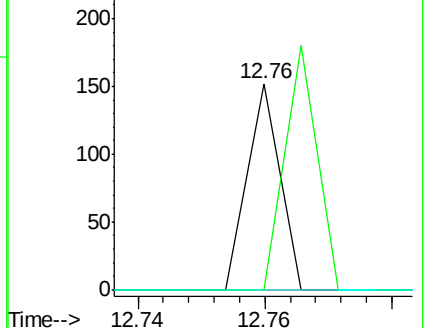
272 0.0 0.0 30.9

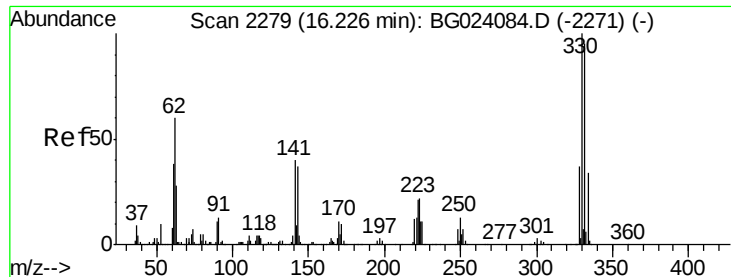


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

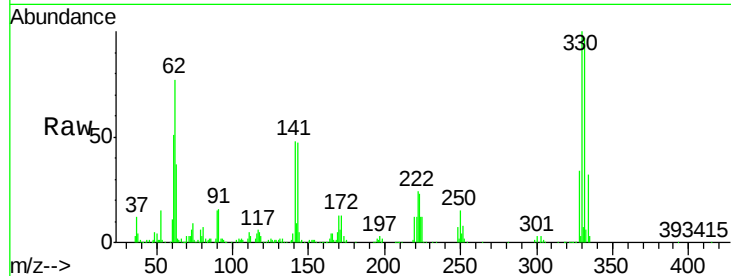




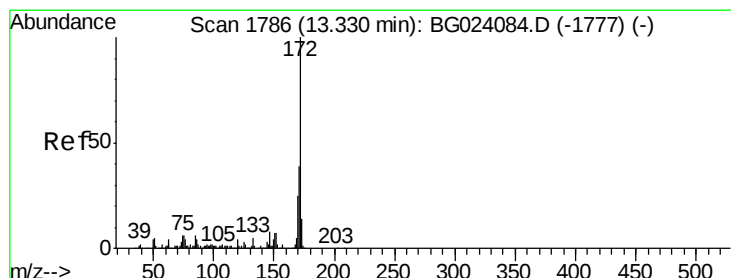
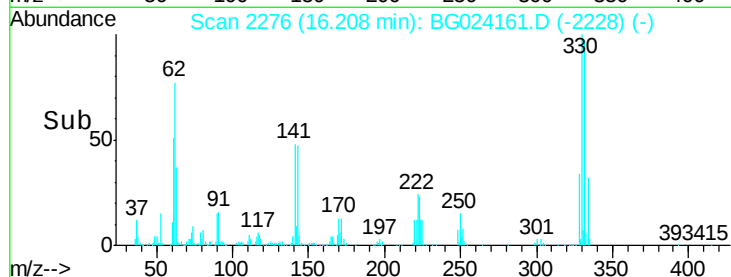
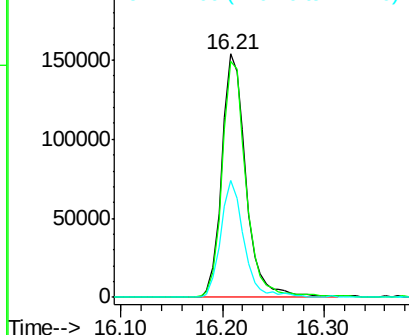
#41
 2,4,6-Tribromophenol
 Concen: 134.79 ng
 RT: 16.21 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: BG024161.D
 Acq: 30 Sep 2016 16:10

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-71-092816

Tgt Ion: 330 Resp: 253594
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 46.4 31.7 47.5

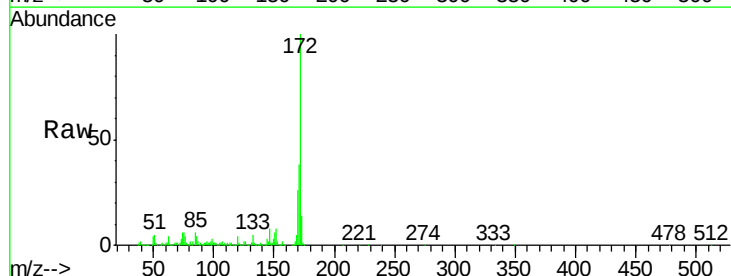


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

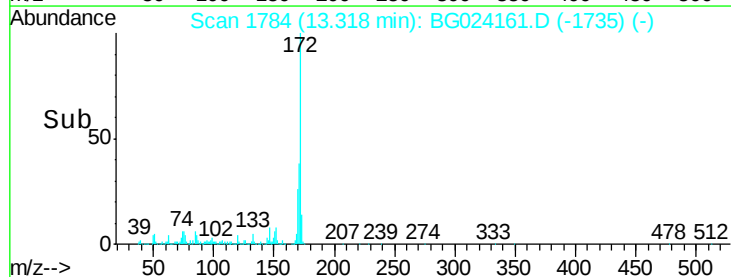
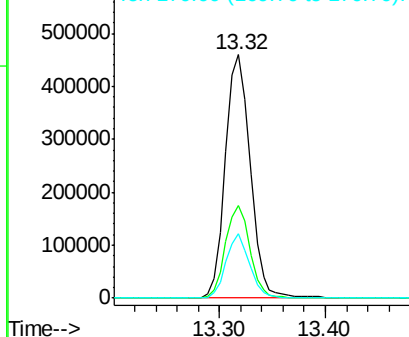


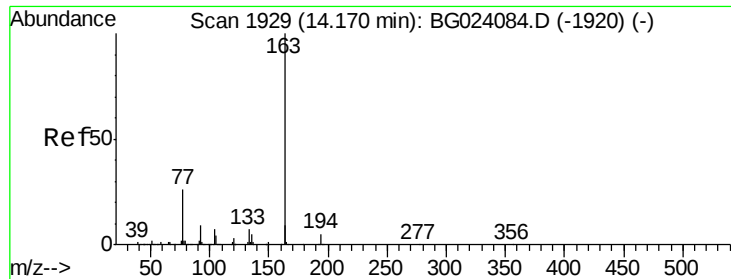
#44
 2-Fluorobiphenyl
 Concen: 96.66 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG024161.D
 Acq: 30 Sep 2016 16:10

Tgt Ion: 172 Resp: 752655
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.6 47.4
 170 26.3 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: 5.72 ng

RT: 14.16 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

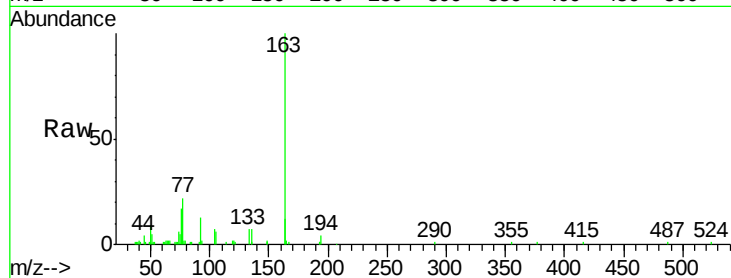
Tgt Ion:163 Resp: 57400

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

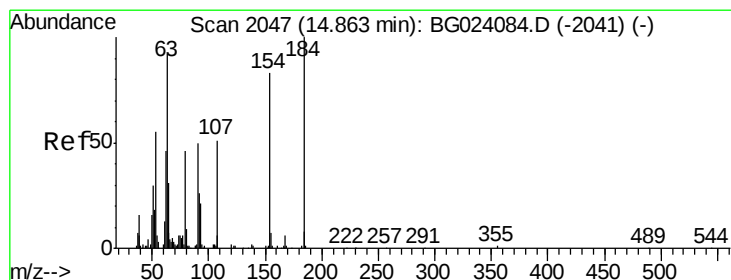
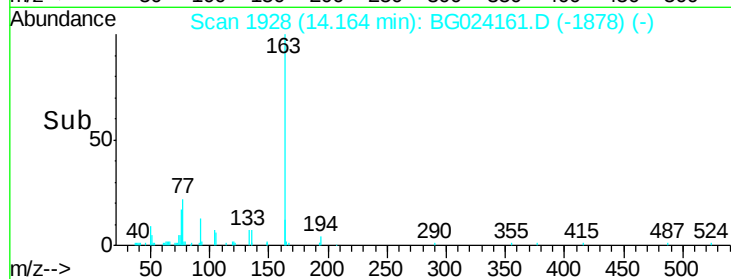
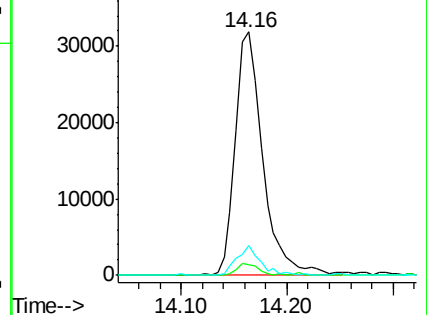
164 12.1 8.1 12.1



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: 2.51 ng

RT: 14.85 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

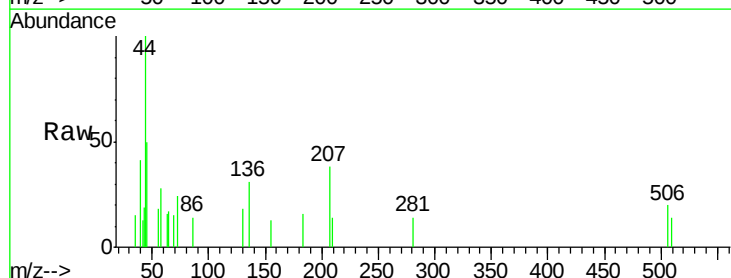
Tgt Ion:184 Resp: 68

Ion Ratio Lower Upper

184 100

63 97.4 59.6 89.4#

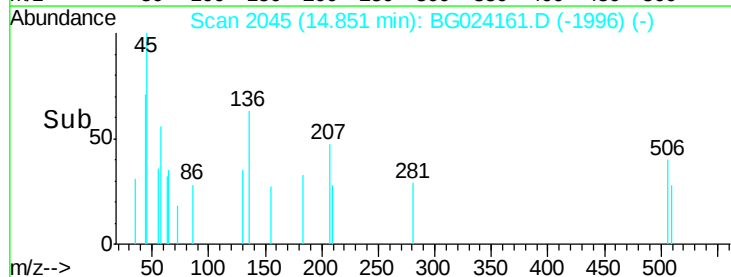
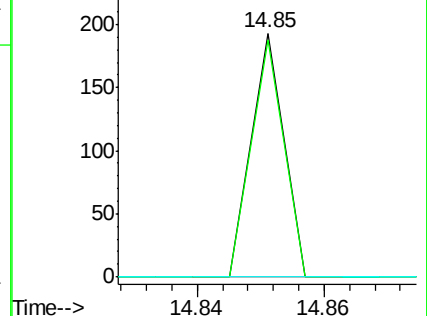
154 0.0 67.4 101.0#

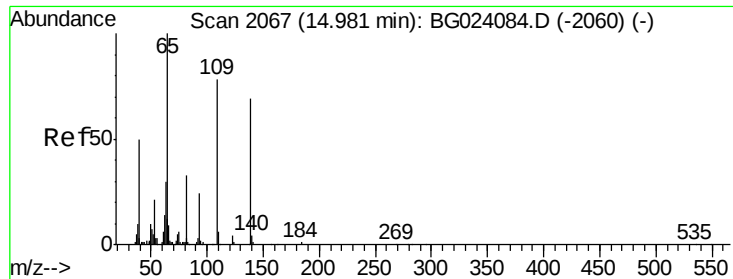


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

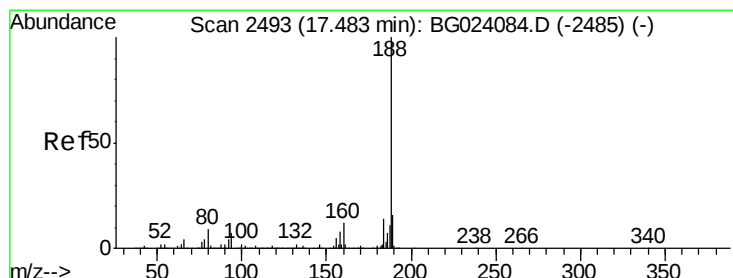
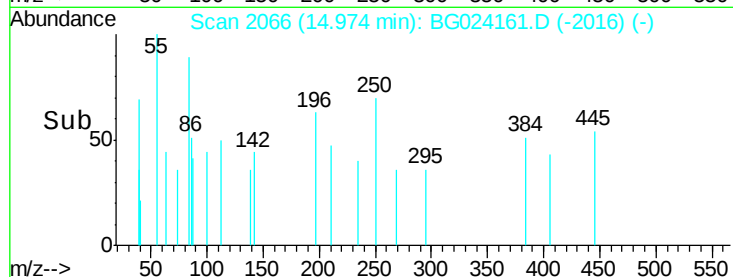
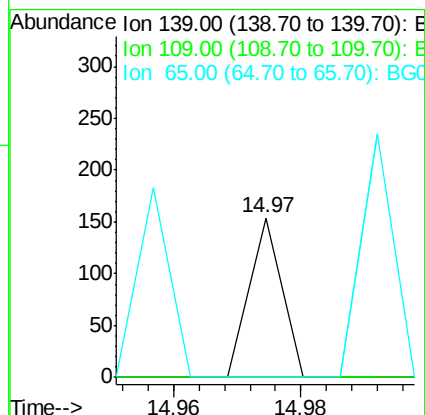
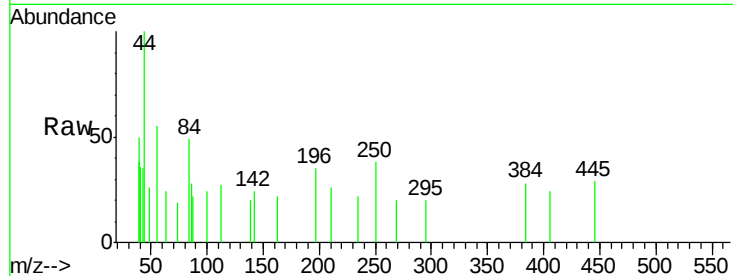




#55
4-Nitrophenol
Concen: 5.38 ng
RT: 14.97 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BG024161.D
Acq: 30 Sep 2016 16:10

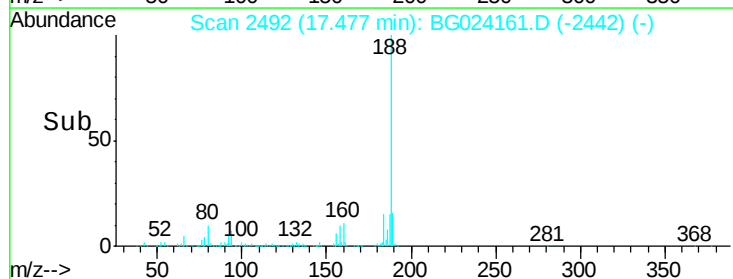
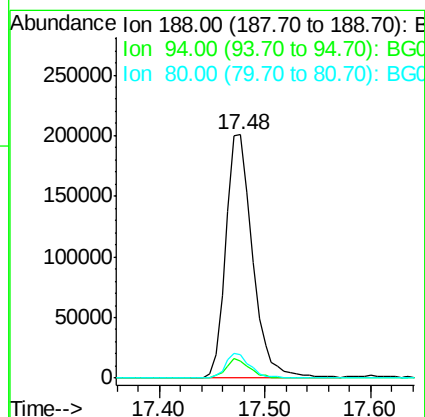
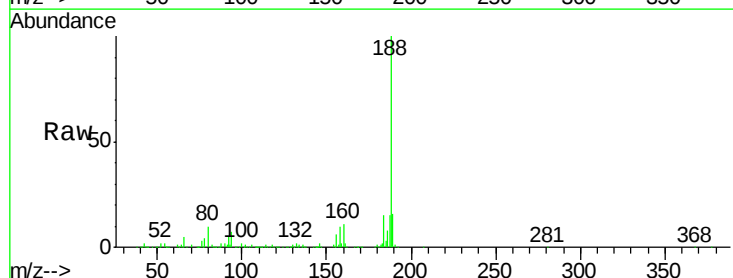
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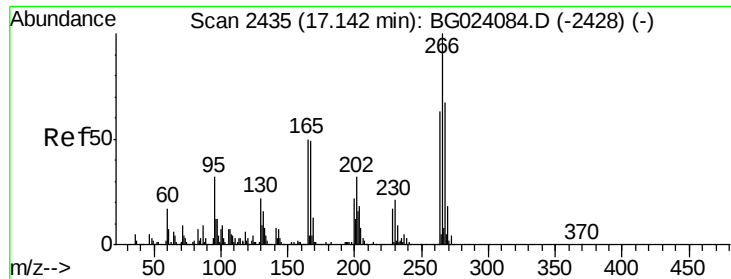
Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 103.0 143.0#
65 0.0 112.7 152.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.01 min
Lab File: BG024161.D
Acq: 30 Sep 2016 16:10

Tgt Ion:188 Resp: 352271
Ion Ratio Lower Upper
188 100
94 7.1 5.2 7.8
80 9.6 7.2 10.8





#69

Pentachlorophenol

Concen: 3.59 ng

RT: 17.28 min Scan# 2458

Delta R.T. 0.14 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

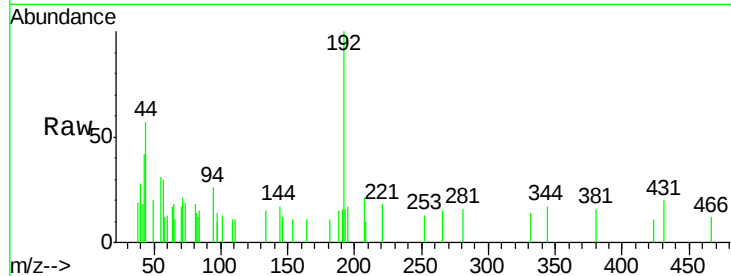
Tgt Ion:266 Resp: 76

Ion Ratio Lower Upper

266 100

268 0.0 51.9 77.9#

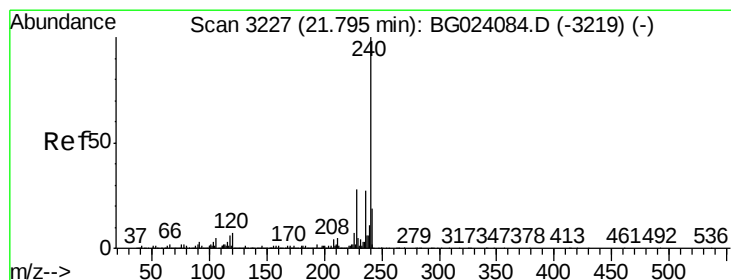
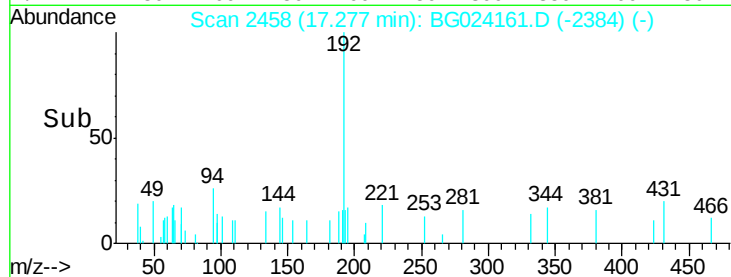
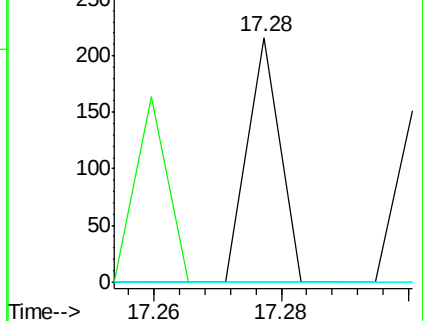
264 0.0 50.6 75.8#



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: 21.78 min Scan# 3224

Delta R.T. -0.02 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

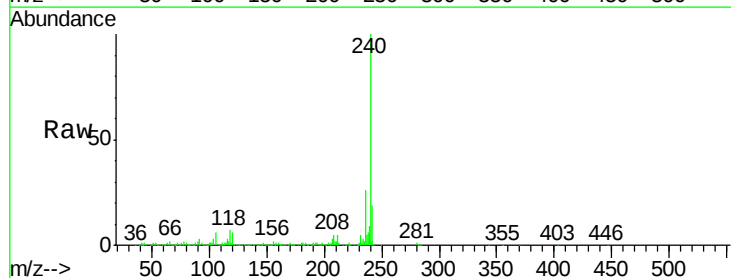
Tgt Ion:240 Resp: 446626

Ion Ratio Lower Upper

240 100

120 6.5 4.1 6.1#

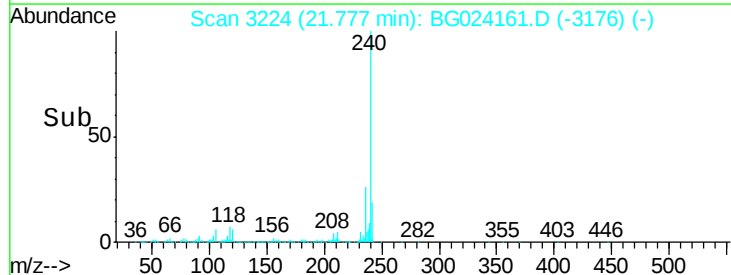
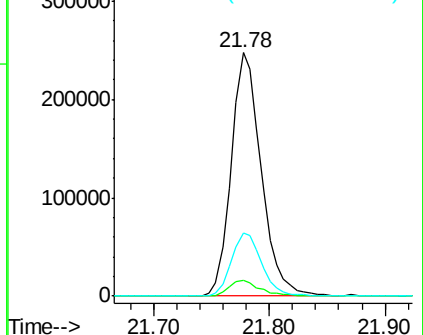
236 26.1 21.1 31.7

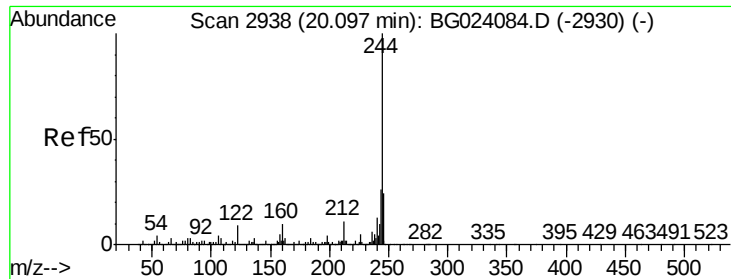


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.48 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.02 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

Instrument :

BNA_G

ClientSampleId :

HSR-WC-71-092816

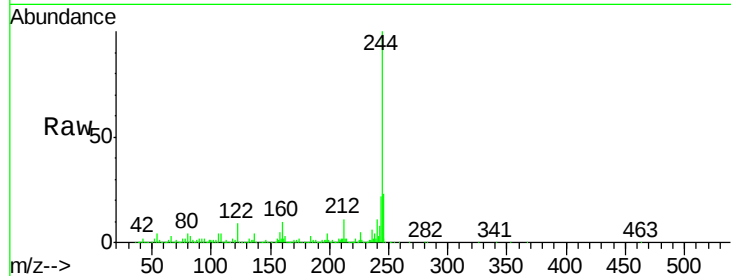
Tgt Ion:244 Resp: 1690091

Ion Ratio Lower Upper

244 100

212 11.4 10.8 16.2

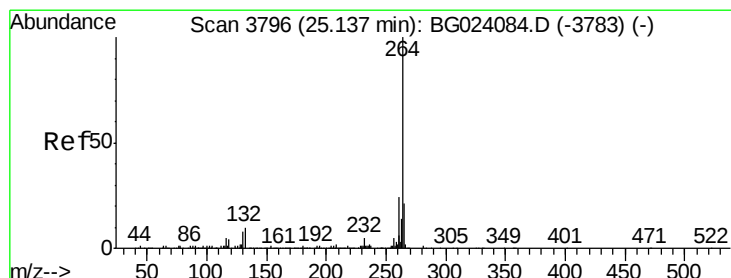
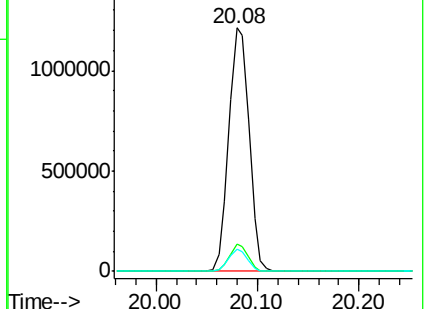
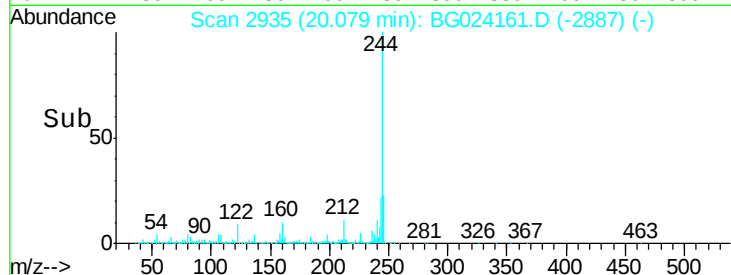
122 9.0 8.0 12.0



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: 25.11 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG024161.D

Acq: 30 Sep 2016 16:10

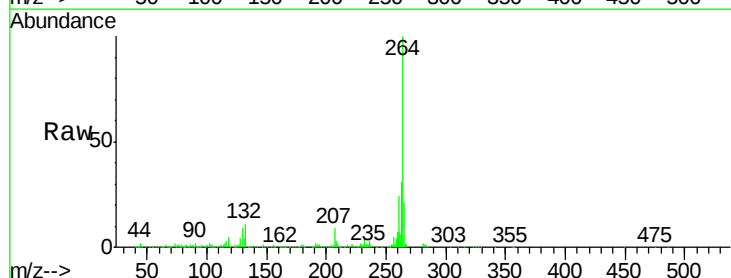
Tgt Ion:264 Resp: 317327

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 20.9 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

