

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015944.D
 Acq On : 27 Jan 2015 12:37
 Operator : TP/IZ
 Sample : G1167-11
 Misc : W
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-01

Quant Time: Jan 28 00:01:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 27 23:52:02 2015
 Response via : Initial Calibration

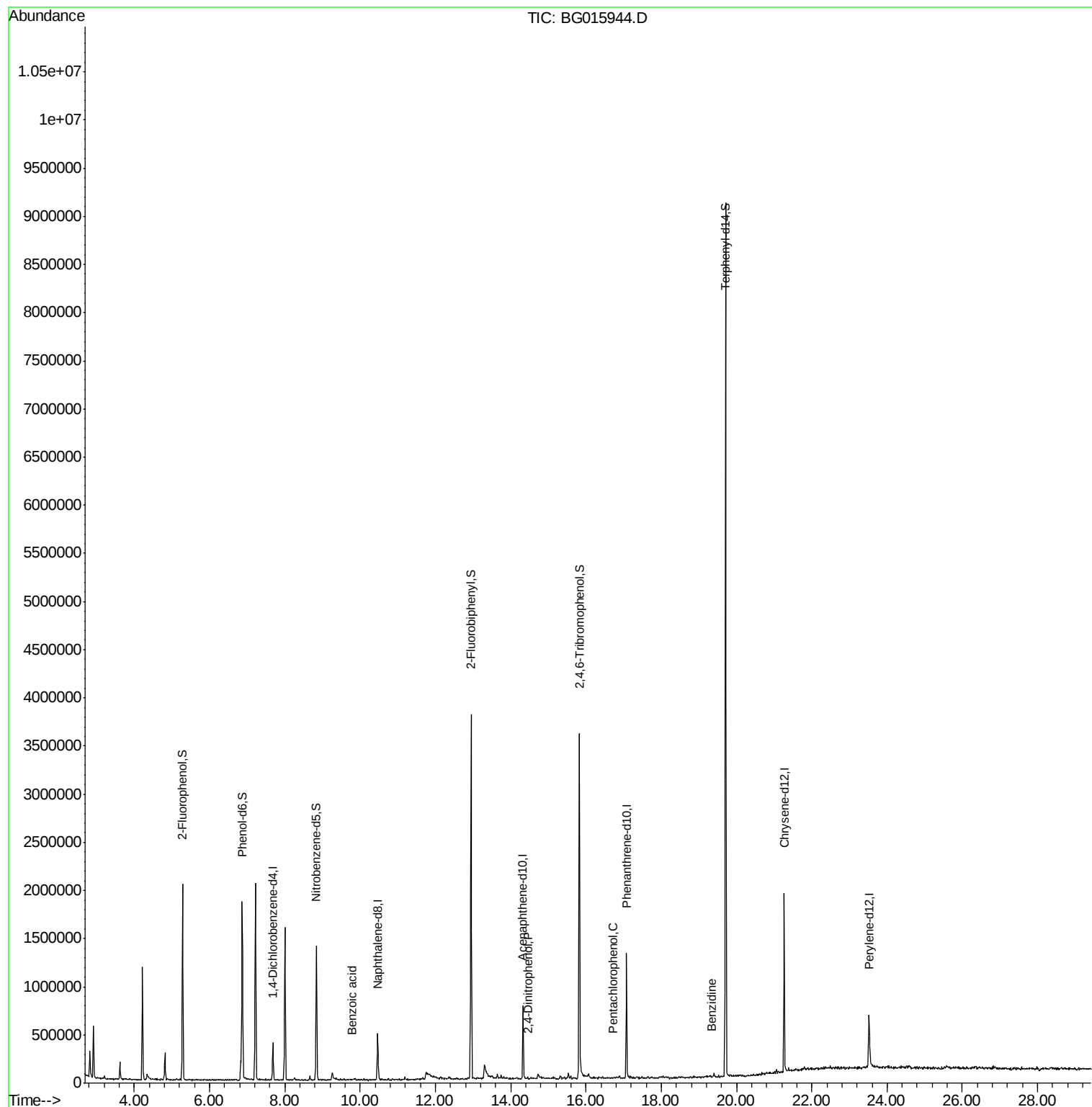
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	77227	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	307778	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	219318	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	692704	20.00	ng	0.00
75) Chrysene-d12	21.27	240	944502	20.00	ng	0.00
86) Perylene-d12	23.52	264	450175	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	653971	126.11	ng	0.00
7) Phenol-d6	6.87	99	873613	104.54	ng	0.00
23) Nitrobenzene-d5	8.84	82	845297	79.17	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	675554	168.26	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1598811	114.38	ng	0.00
78) Terphenyl-d14	19.71	244	3349282	115.38	ng	0.00
Target Compounds						
32) Benzoic acid	9.78	122	189	10.39	ng	# 1
53) 2,4-Dinitrophenol	14.46	184	181	4.60	ng	# 10
69) Pentachlorophenol	16.73	266	171	5.26	ng	# 17
76) Benzidine	19.33	184	365	2.00	ng	# 64
80) Benzo(a)anthracene	21.27	228	3495	Below Cal		# 45

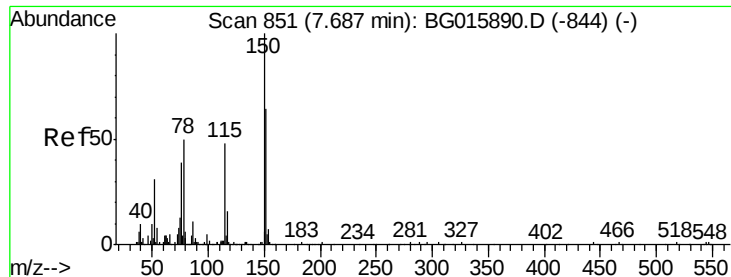
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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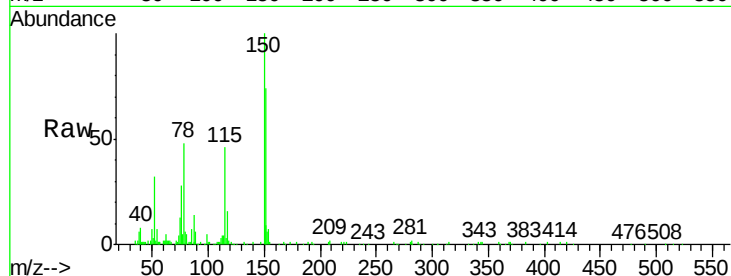


#1

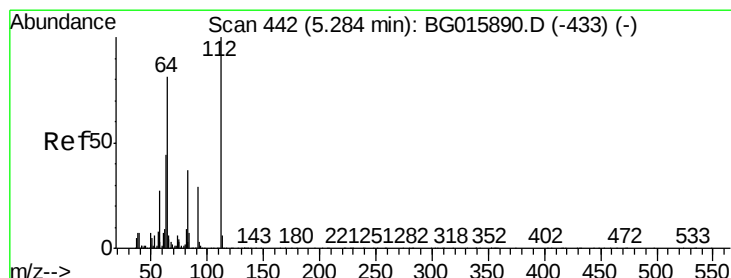
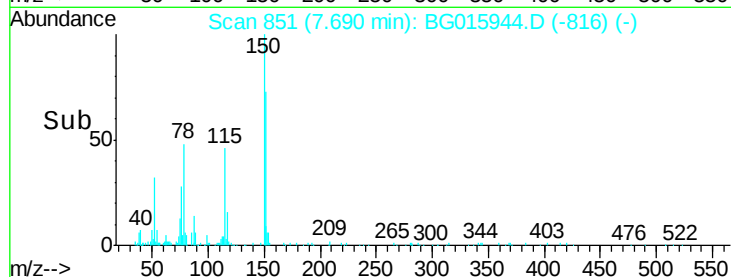
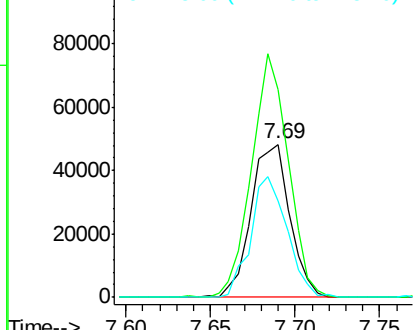
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 851
Delta R.T. 0.01 min
Lab File: BG015944.D
Acq: 27 Jan 2015 12:37

Instrument :
BNA_G
ClientSampleId :
WC-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	135.7	124.5	186.7
115	62.9	60.4	90.6



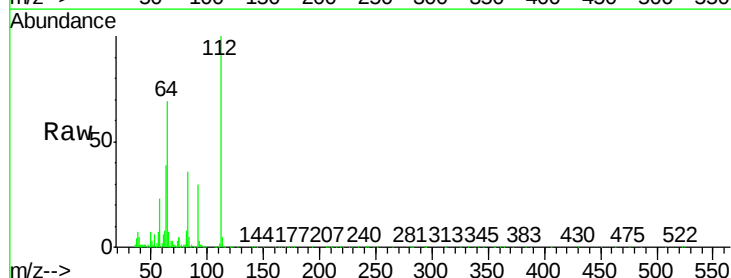
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



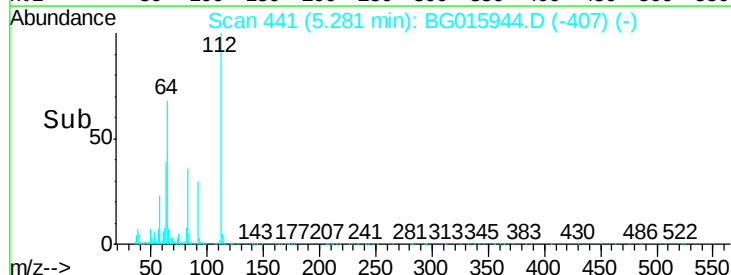
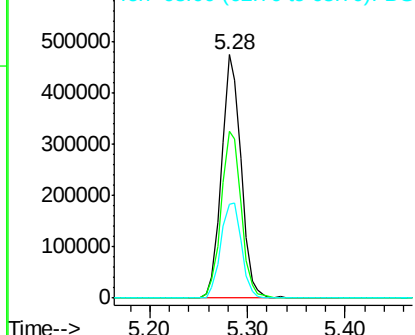
#5

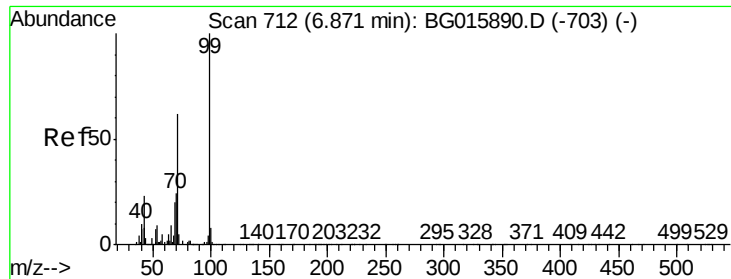
2-Fluorophenol
Concen: 126.11 ng
RT: 5.28 min Scan# 441
Delta R.T. 0.00 min
Lab File: BG015944.D
Acq: 27 Jan 2015 12:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	64.4	96.6
63	38.6	35.1	52.7



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: 104.54 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Instrument :

BNA_G

ClientSampleId :

WC-01

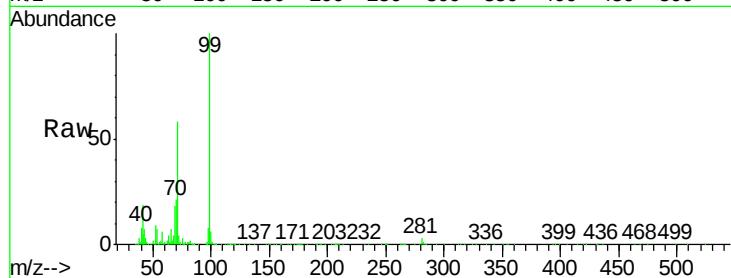
Tgt Ion: 99 Resp: 873613

Ion Ratio Lower Upper

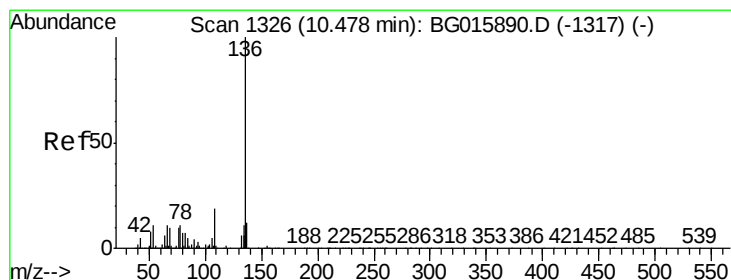
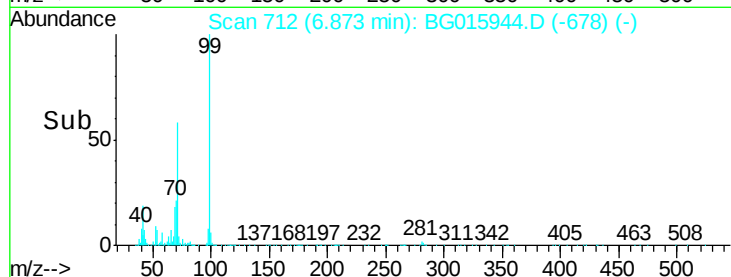
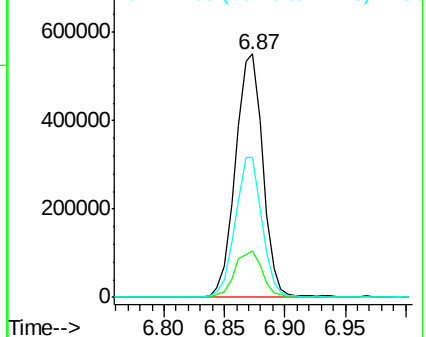
99 100

42 19.0 18.1 27.1

71 57.5 49.8 74.8



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: 10.47 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Tgt Ion: 136 Resp: 307778

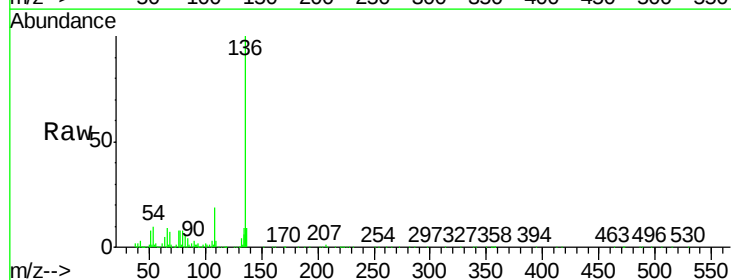
Ion Ratio Lower Upper

136 100

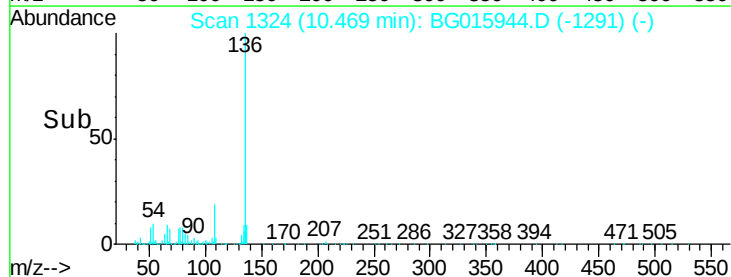
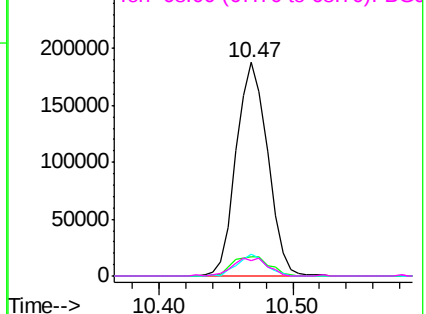
137 8.8 9.7 14.5#

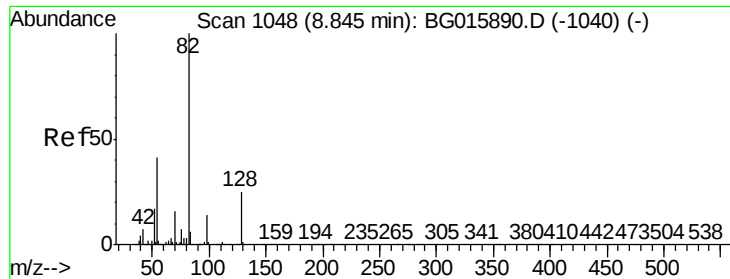
54 9.9 8.5 12.7

68 7.2 8.0 12.0#



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

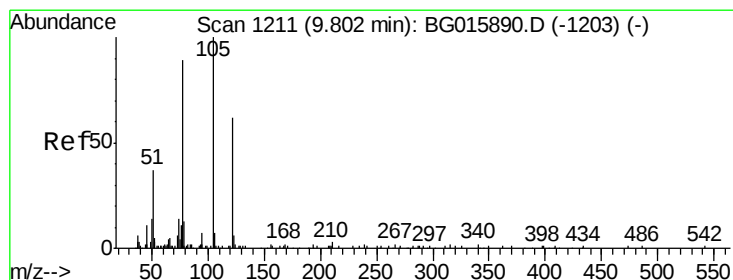
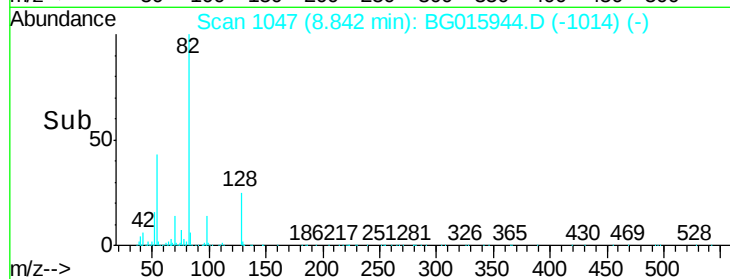
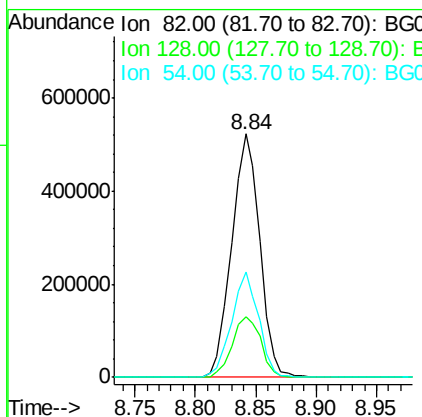
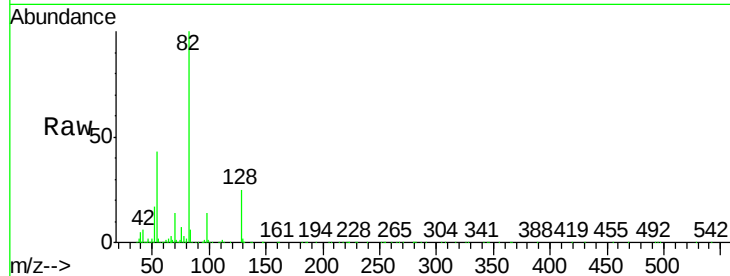




#23
 Nitrobenzene-d5
 Concen: 79.17 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG015944.D
 Acq: 27 Jan 2015 12:37

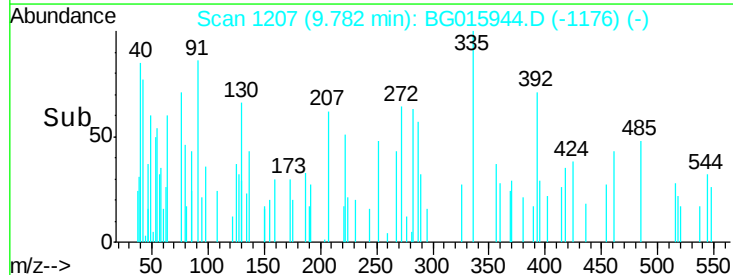
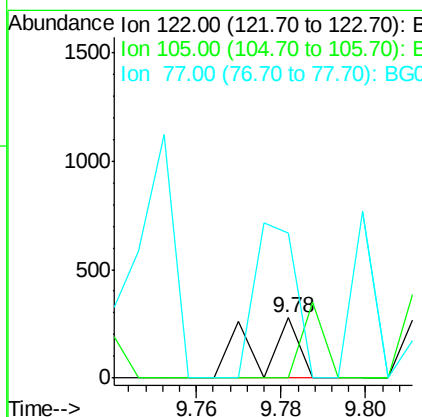
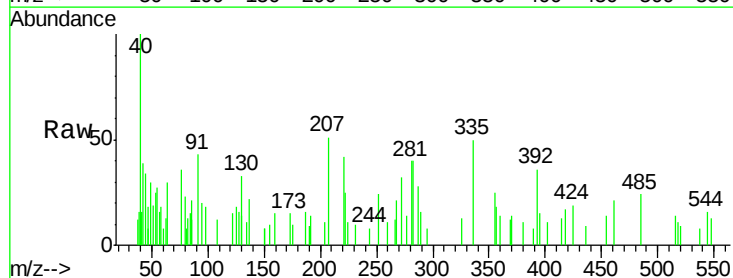
Instrument :
 BNA_G
 ClientSampleId :
 WC-01

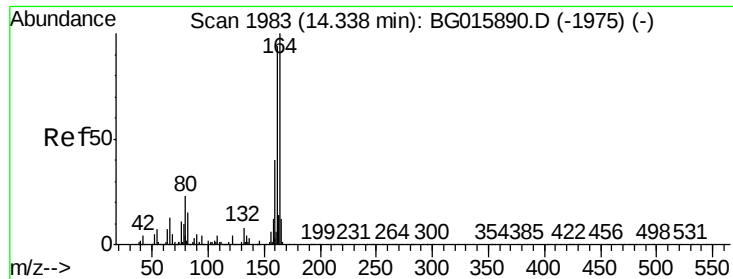
Tgt Ion	Ratio	Lower	Upper
82	100		
128	24.6	19.8	29.8
54	43.2	33.0	49.4



#32
 Benzoic acid
 Concen: 10.39 ng
 RT: 9.78 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BG015944.D
 Acq: 27 Jan 2015 12:37

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	140.2	180.2#
77	241.9	126.4	166.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Instrument :

BNA_G

ClientSampleId :

WC-01

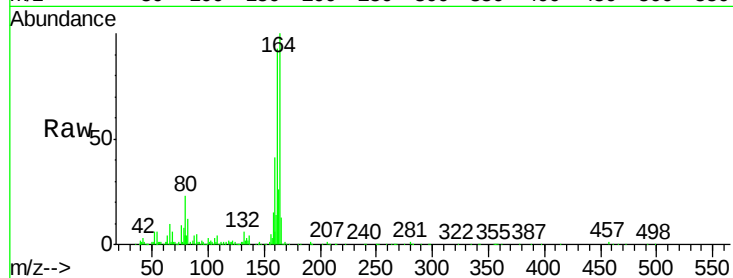
Tgt Ion:164 Resp: 219318

Ion Ratio Lower Upper

164 100

162 92.7 75.1 112.7

160 40.7 32.3 48.5



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

14.33

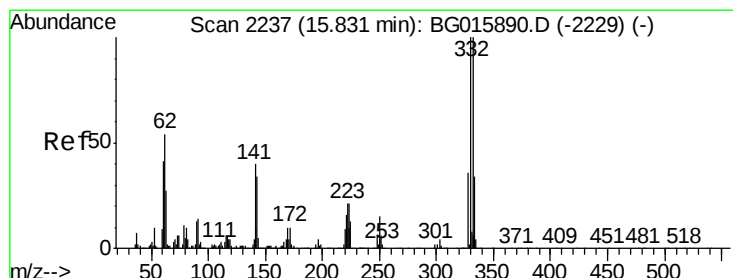
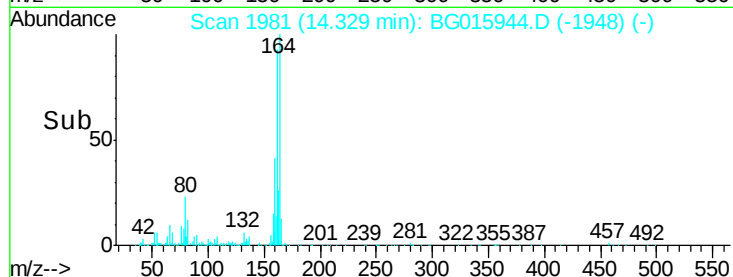
150000

100000

50000

0

Time--> 14.25 14.30 14.35 14.40



#41

2,4,6-Tribromophenol

Concen: 168.26 ng

RT: 15.83 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

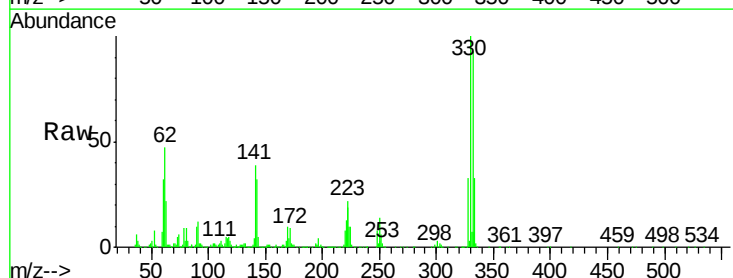
Tgt Ion:330 Resp: 675554

Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.0

141 37.8 33.0 49.6



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

15.83

600000

500000

400000

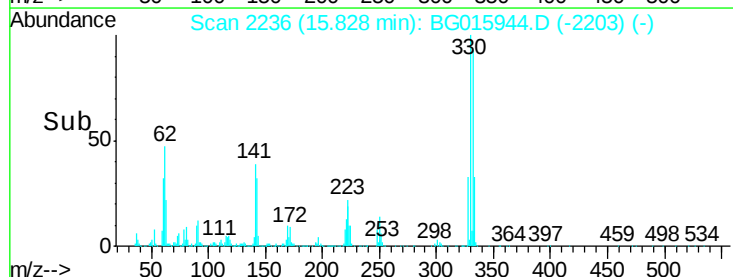
300000

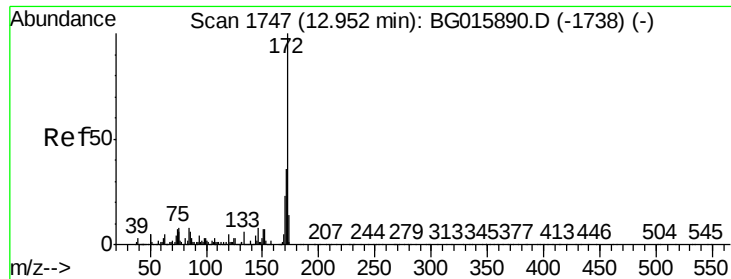
200000

100000

0

Time--> 15.80 15.90

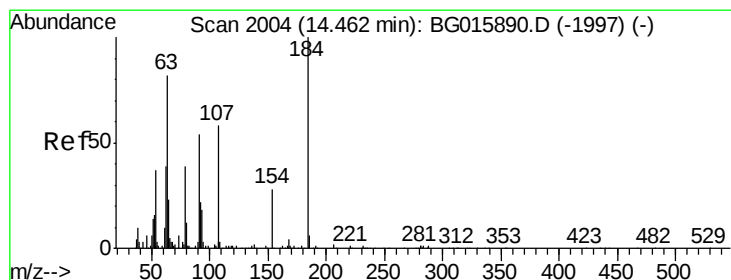
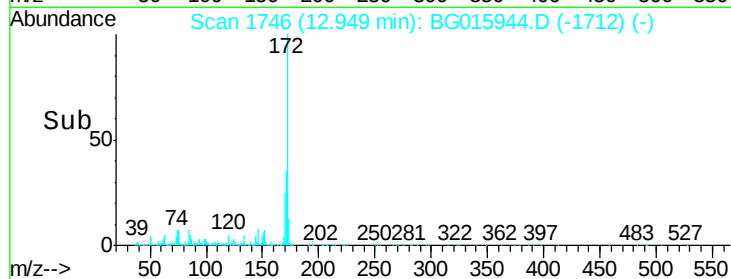
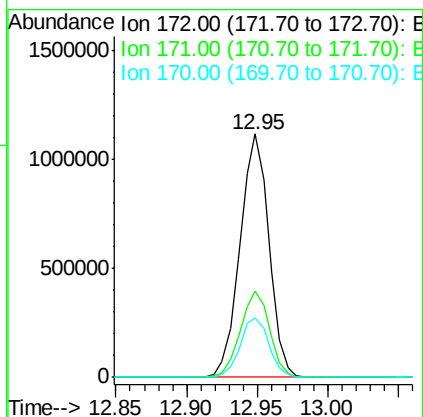
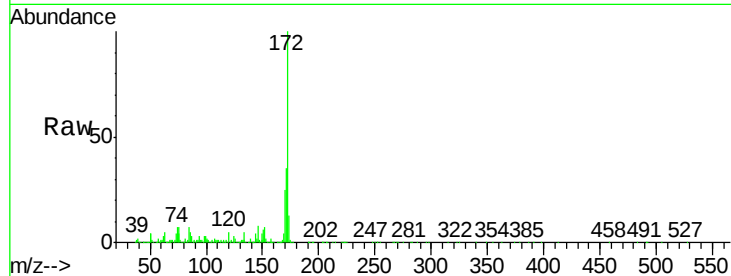




#44
2-Fluorobiphenyl
Concen: 114.38 ng
RT: 12.95 min Scan# 1746
Delta R.T. 0.00 min
Lab File: BG015944.D
Acq: 27 Jan 2015 12:37

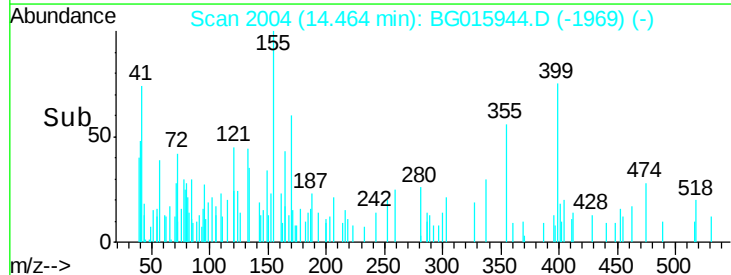
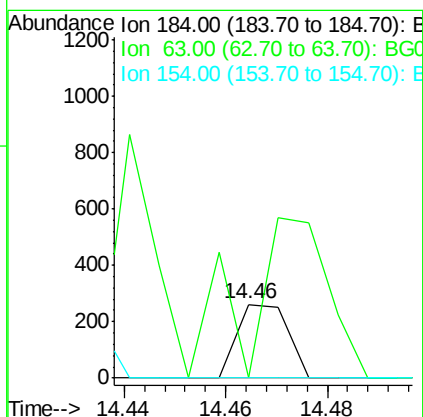
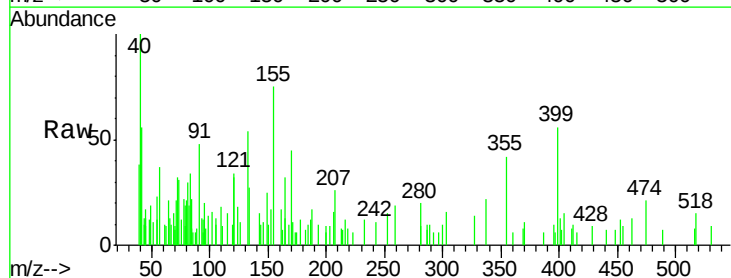
Instrument :
BNA_G
ClientSampled :
WC-01

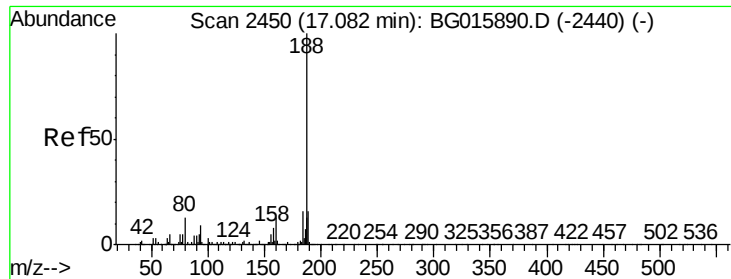
Tgt Ion:172 Resp: 1598811
Ion Ratio Lower Upper
172 100
171 35.2 29.2 43.8
170 24.6 18.6 27.8



#53
2,4-Dinitrophenol
Concen: 4.60 ng
RT: 14.46 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BG015944.D
Acq: 27 Jan 2015 12:37

Tgt Ion:184 Resp: 181
Ion Ratio Lower Upper
184 100
63 0.0 68.6 103.0#
154 0.0 54.9 82.3#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Instrument :

BNA_G

ClientSampleId :

WC-01

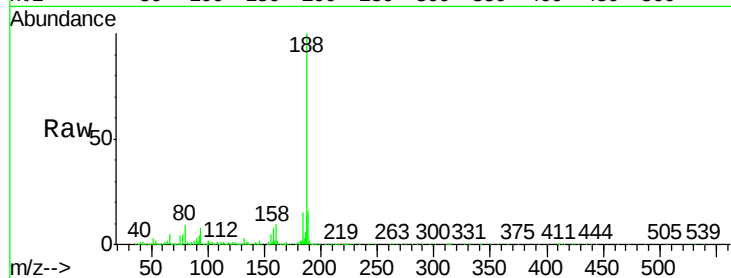
Tgt Ion:188 Resp: 692704

Ion Ratio Lower Upper

188 100

94 8.2 7.8 11.8

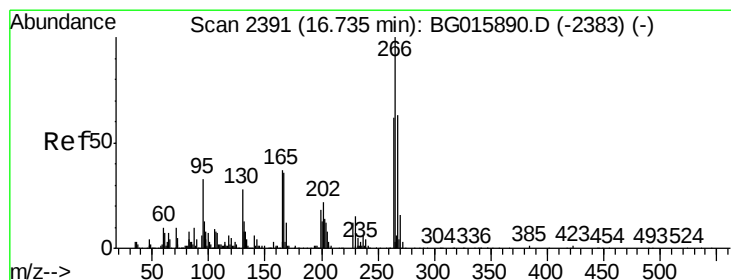
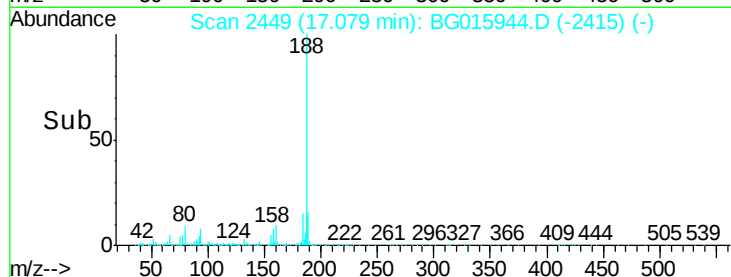
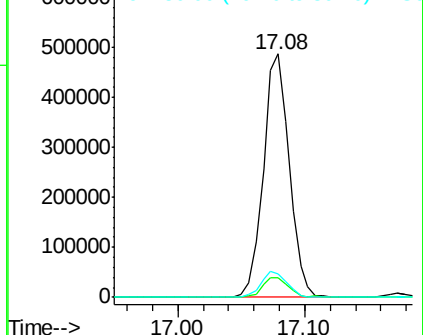
80 9.4 10.6 16.0#



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: 5.26 ng

RT: 16.73 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

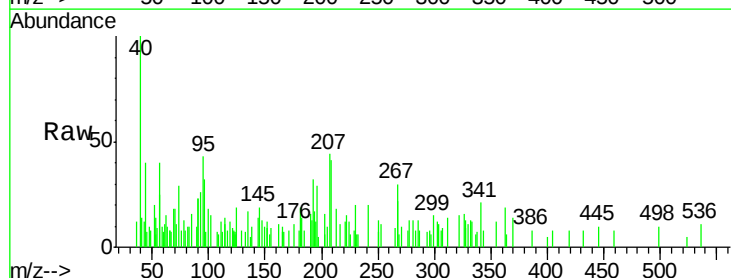
Tgt Ion:266 Resp: 171

Ion Ratio Lower Upper

266 100

268 0.0 53.5 80.3#

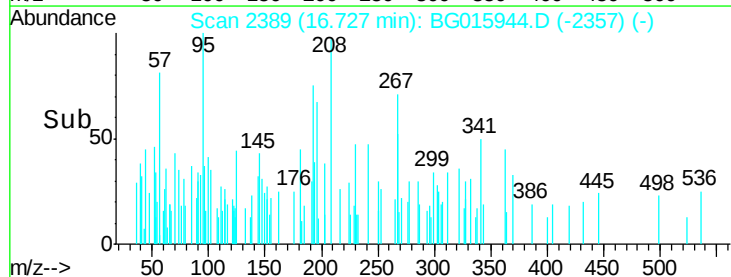
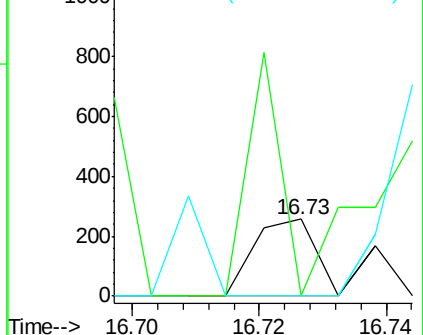
264 0.0 51.9 77.9#

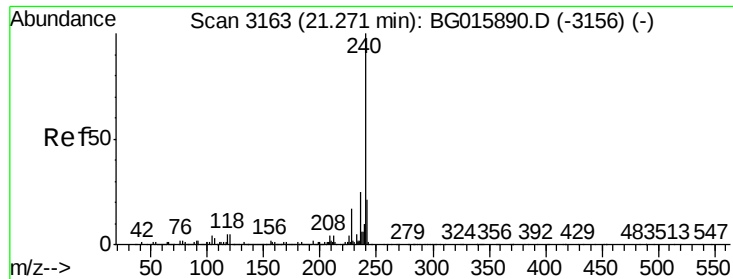


Abundance Ion 265.70 (265.40 to 266.40): E

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: 21.27 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Instrument :

BNA_G

ClientSampleId :

WC-01

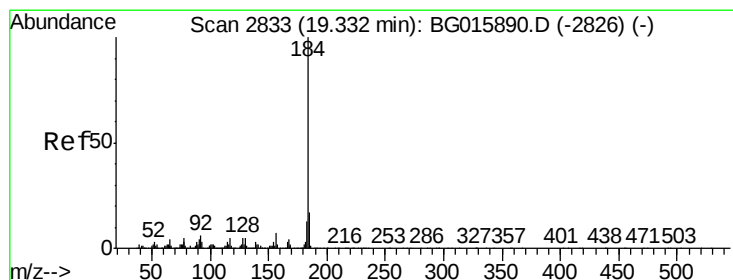
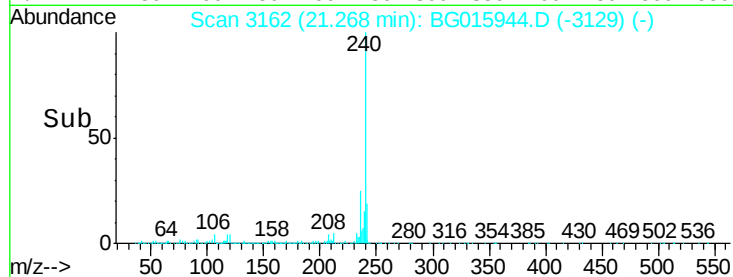
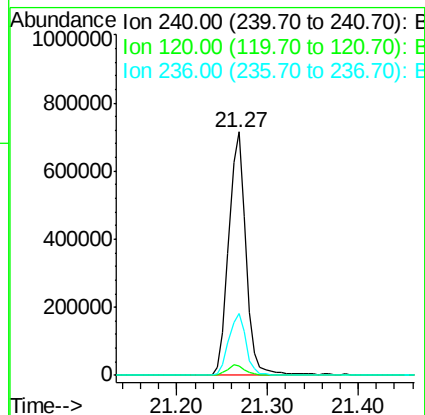
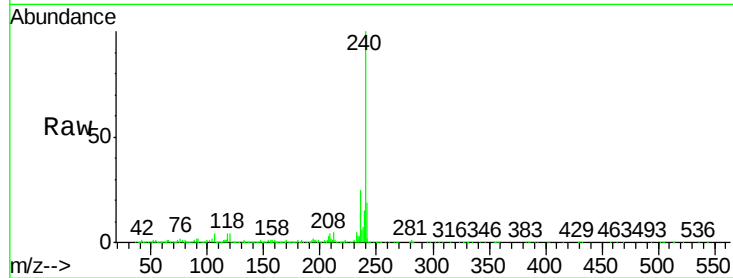
Tgt Ion:240 Resp: 944502

Ion Ratio Lower Upper

240 100

120 3.9 3.9 5.9#

236 25.4 20.0 30.0



#76

Benzidine

Concen: 2.00 ng

RT: 19.33 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

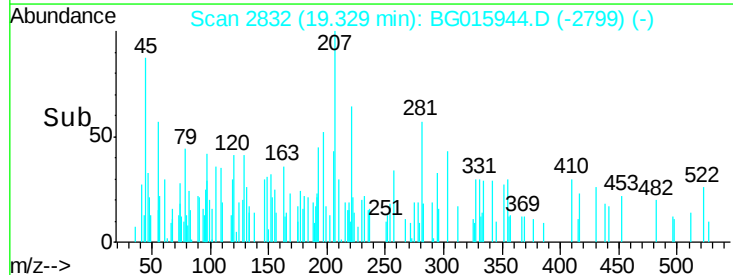
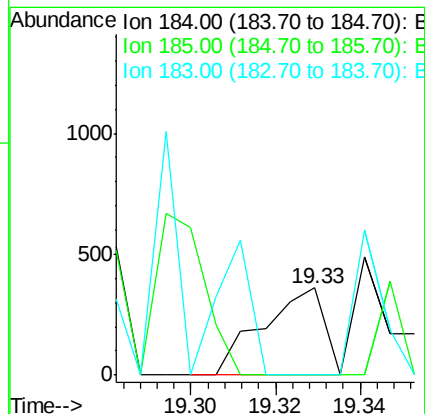
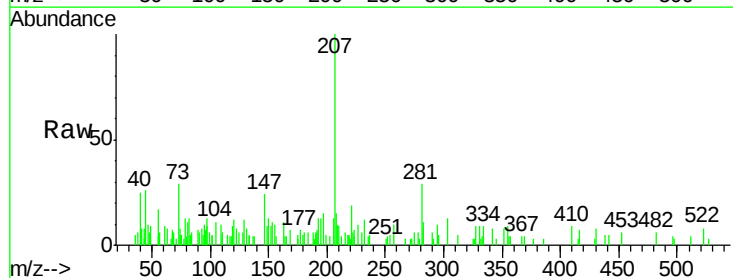
Tgt Ion:184 Resp: 365

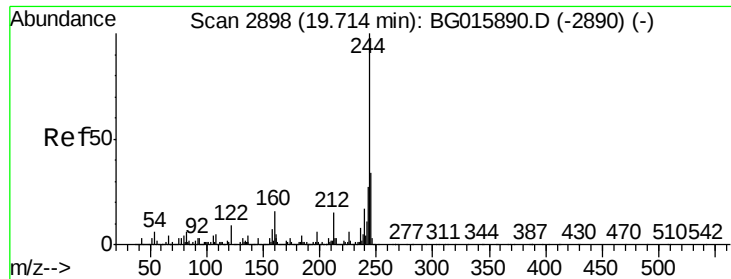
Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

183 0.0 10.1 15.1#





#78

Terphenyl-d14

Concen: 115.38 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

Instrument :

BNA_G

ClientSampleId :

WC-01

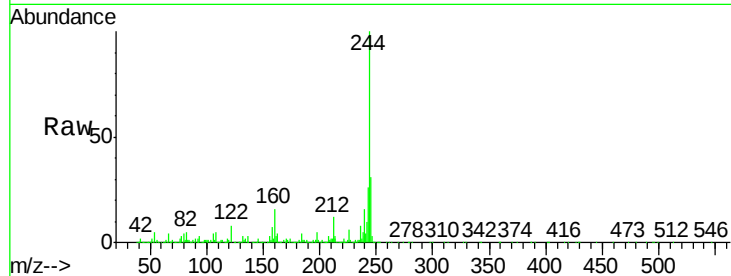
Tgt Ion:244 Resp: 3349282

Ion Ratio Lower Upper

244 100

212 12.1 11.6 17.4

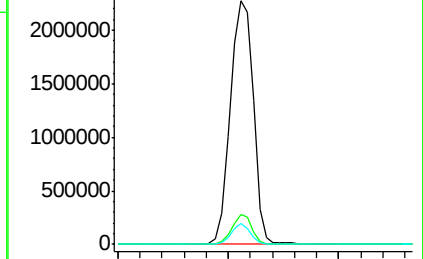
122 8.4 7.0 10.4



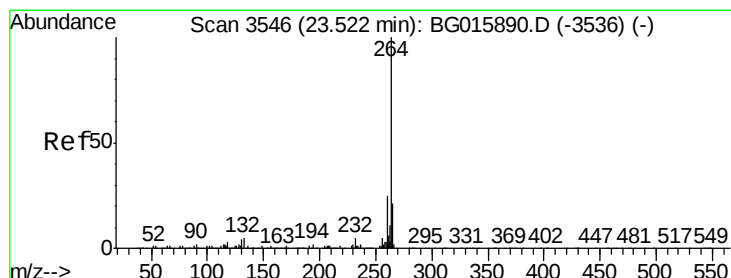
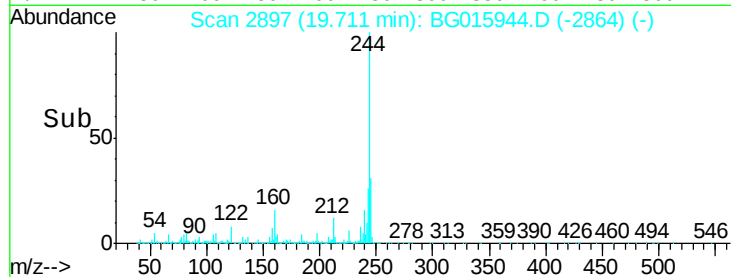
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.60 19.70 19.80



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.52 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BG015944.D

Acq: 27 Jan 2015 12:37

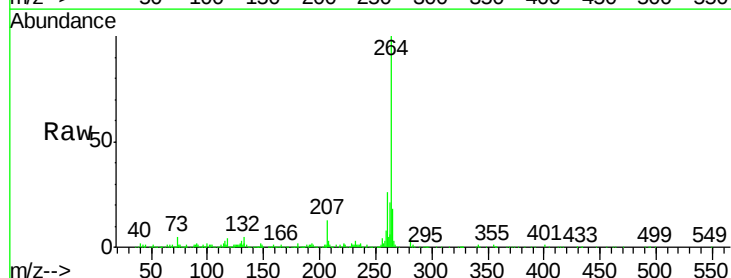
Tgt Ion:264 Resp: 450175

Ion Ratio Lower Upper

264 100

260 25.5 19.7 29.5

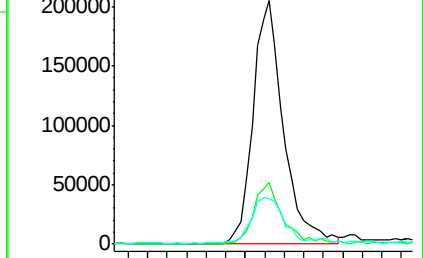
265 18.3 17.3 25.9



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



Time--> 23.40 23.50 23.60

