

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012015\
 Data File : BG015900.D
 Acq On : 20 Jan 2015 20:27
 Operator : TP/IZ
 Sample : PB81364TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB81364TB

Quant Time: Jan 21 12:42:05 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 20 17:47:40 2015
 Response via : Initial Calibration

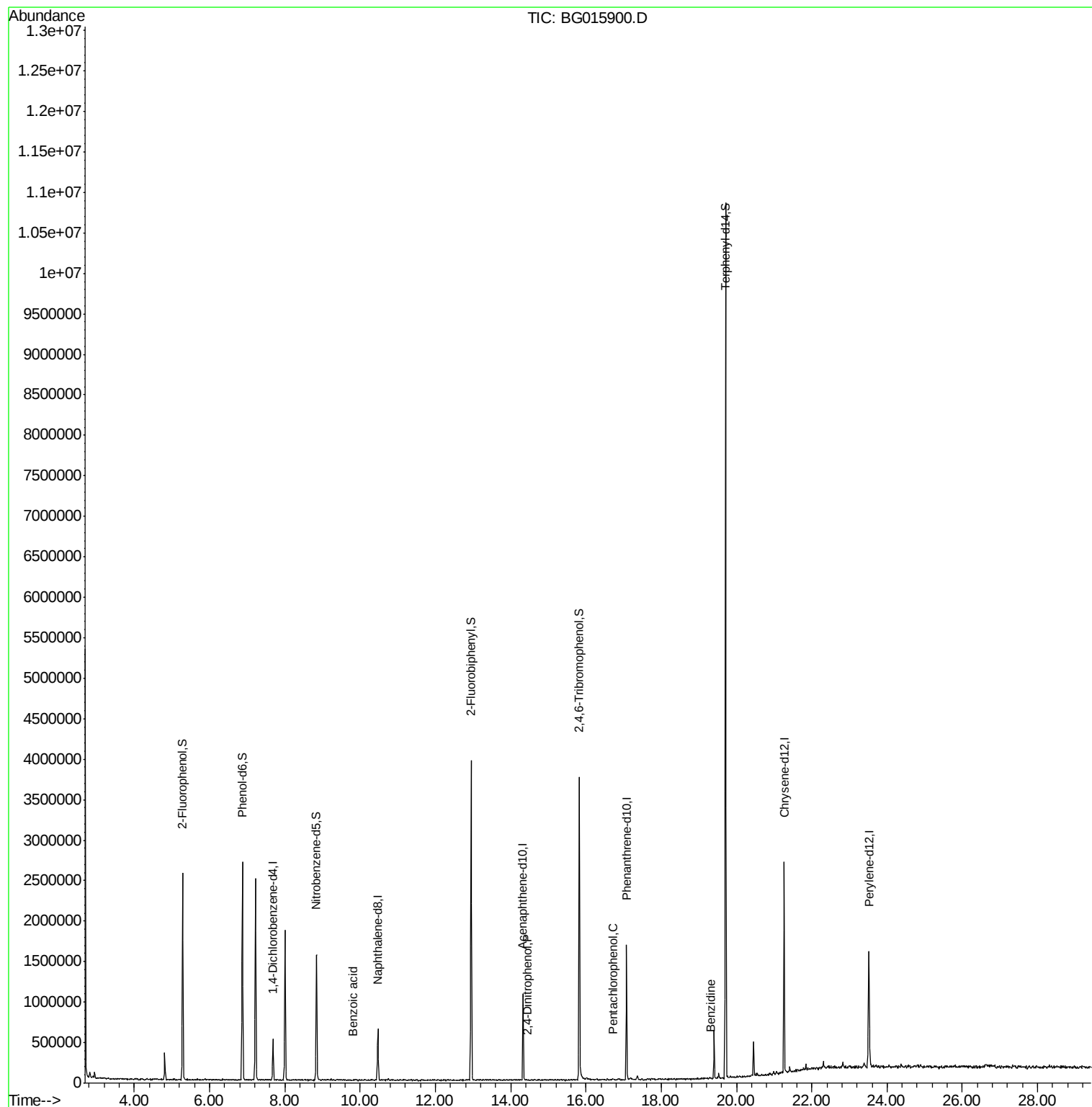
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	93832	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	371965	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	332299	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	860882	20.00	ng	0.00
75) Chrysene-d12	21.26	240	1236970	20.00	ng	0.00
86) Perylene-d12	23.52	264	1162437	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	786801	124.87	ng	0.00
7) Phenol-d6	6.87	99	1212057	119.37	ng	0.00
23) Nitrobenzene-d5	8.85	82	969603	75.14	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	621512	102.17	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1638504	77.36	ng	0.00
78) Terphenyl-d14	19.71	244	3412605	75.42	ng	0.00
Target Compounds						
32) Benzoic acid	9.79	122	81	10.29	ng	# 1
53) 2,4-Dinitrophenol	14.44	184	165	4.56	ng	# 10
69) Pentachlorophenol	16.72	266	149	5.25	ng	# 17
76) Benzidine	19.32	184	505	2.00	ng	# 1
80) Benzo(a)anthracene	21.26	228	4978	Below Cal		# 80

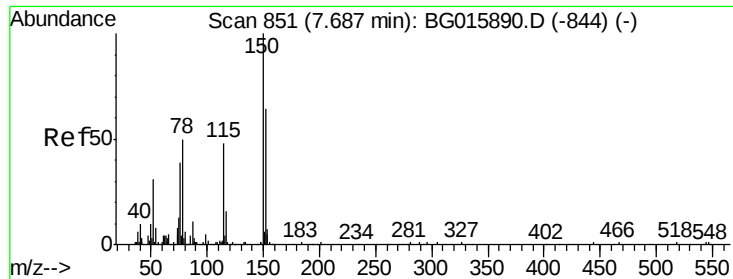
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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Quant Time: Jan 21 12:42:05 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

BNA_G

ClientSampleId :

PB81364TB

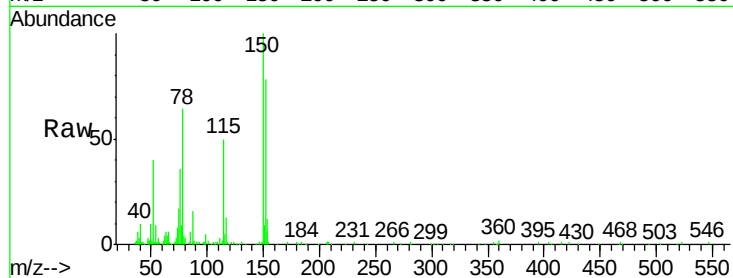
Tgt Ion:152 Resp: 93832

Ion Ratio Lower Upper

152 100

150 128.9 124.5 186.7

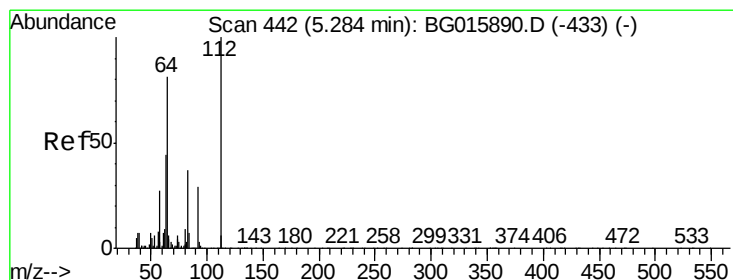
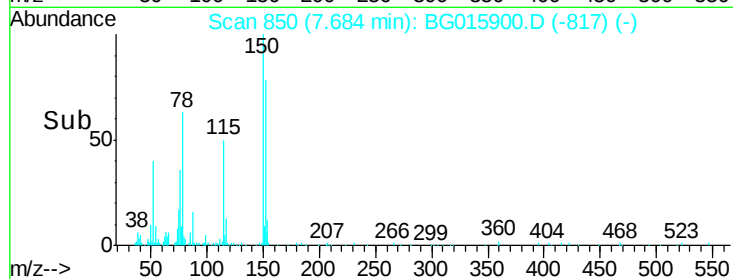
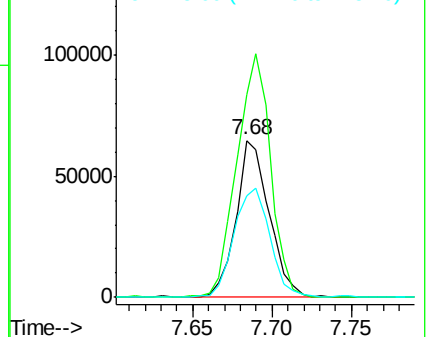
115 64.5 60.4 90.6



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: 124.87 ng

RT: 5.29 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

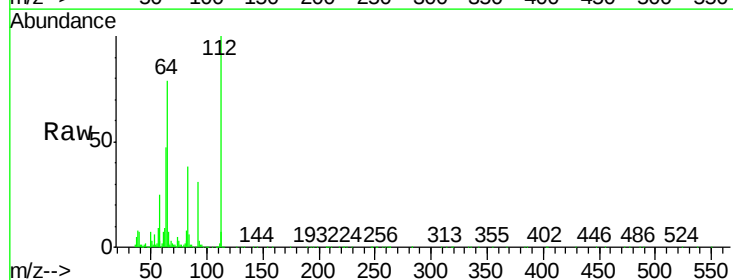
Tgt Ion:112 Resp: 786801

Ion Ratio Lower Upper

112 100

64 78.7 64.4 96.6

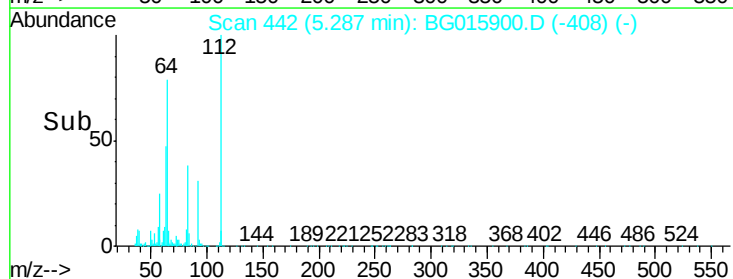
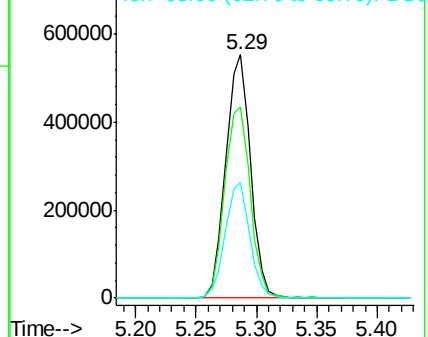
63 47.3 35.1 52.7

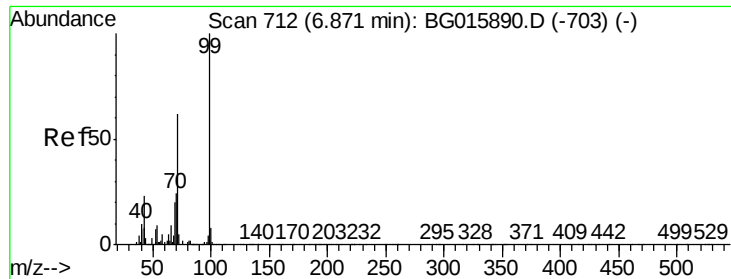


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.37 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

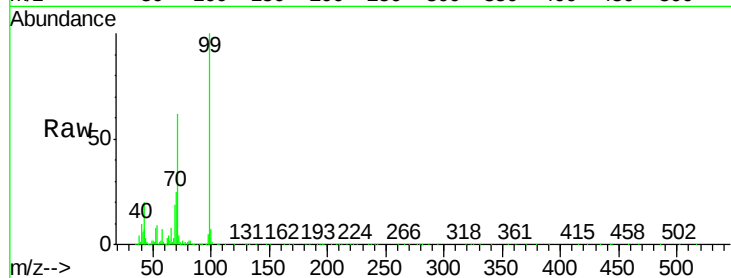
BNA_G

ClientSampleId :

PB81364TB

Tgt Ion: 99 Resp: 1212057

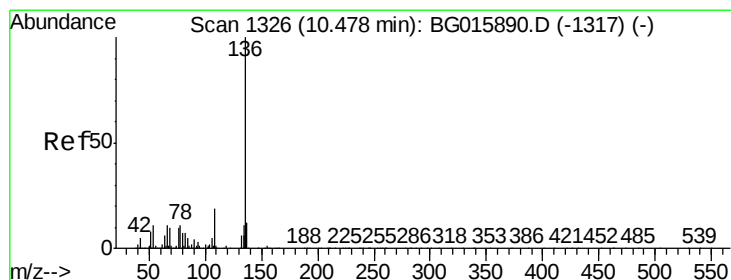
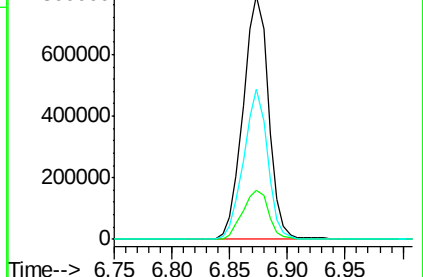
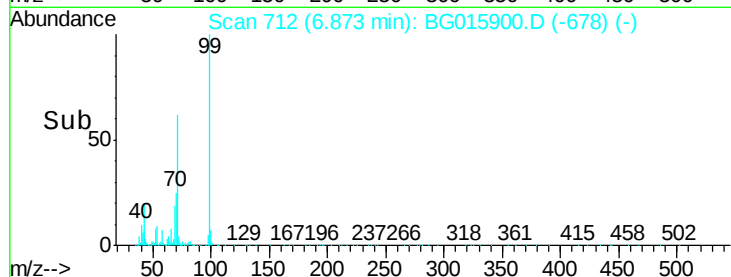
Ion	Ratio	Lower	Upper
99	100		
42	20.0	18.1	27.1
71	61.8	49.8	74.8



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# 1325

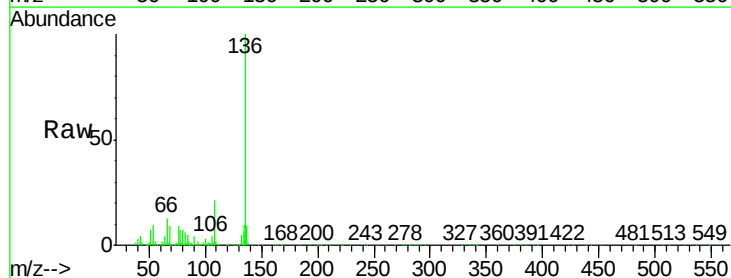
Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Tgt Ion: 136 Resp: 371965

Ion	Ratio	Lower	Upper
136	100		
137	9.1	9.7	14.5#
54	9.6	8.5	12.7
68	8.7	8.0	12.0

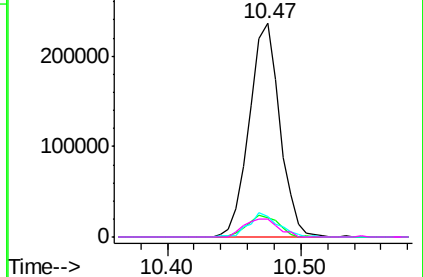
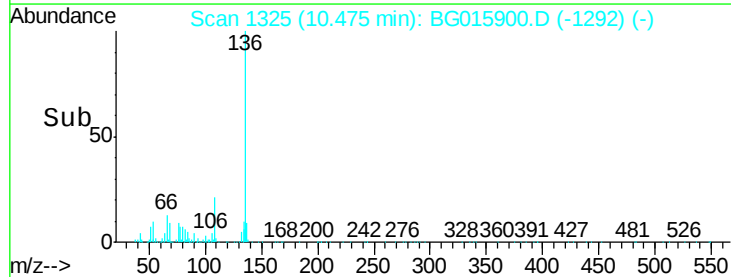


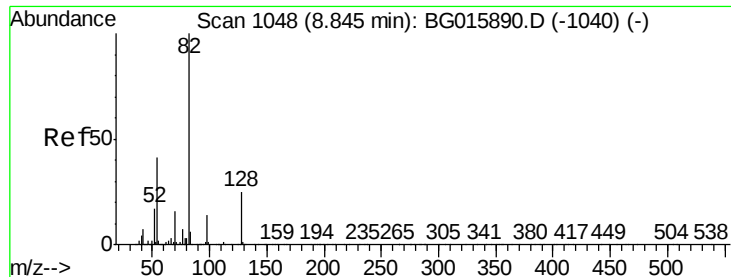
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

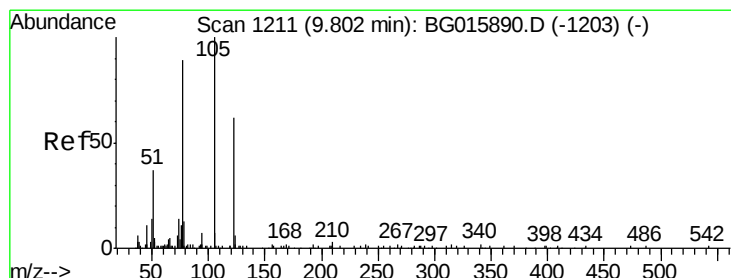
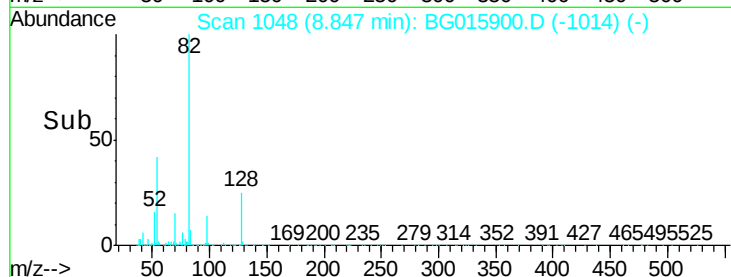
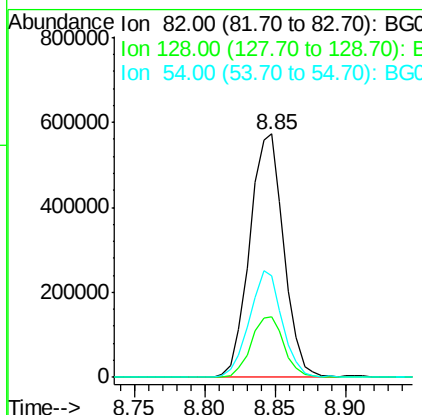
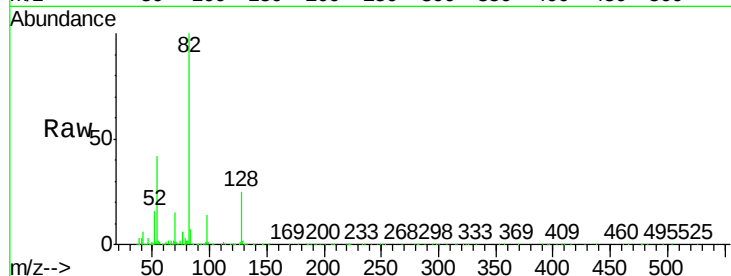




#23
 Nitrobenzene-d5
 Concen: 75.14 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BG015900.D
 Acq: 20 Jan 2015 20:27

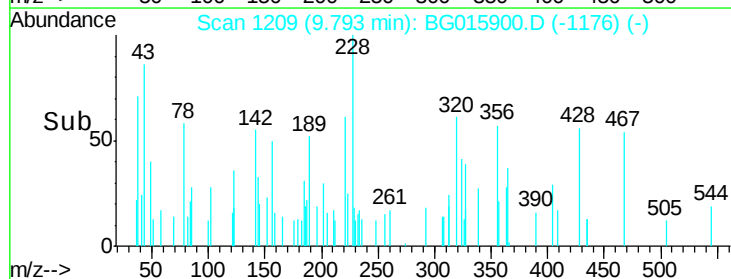
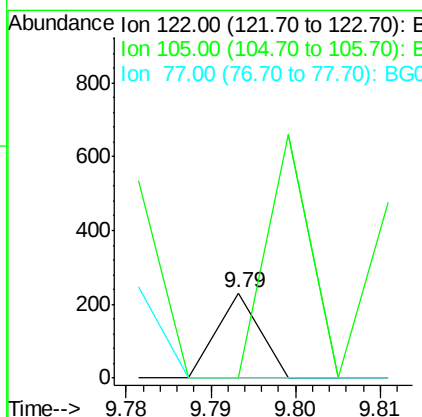
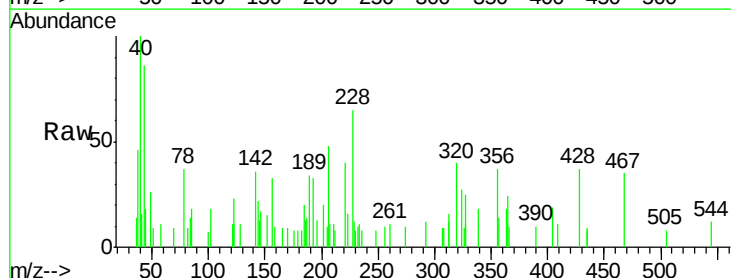
Instrument :
 BNA_G
 ClientSampleId :
 PB81364TB

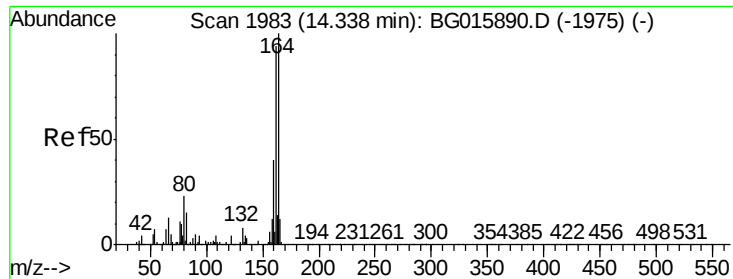
Tgt Ion	Ratio	Lower	Upper
82	100		
128	24.7	19.8	29.8
54	41.7	33.0	49.4



#32
 Benzoic acid
 Concen: 10.29 ng
 RT: 9.79 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BG015900.D
 Acq: 20 Jan 2015 20:27

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

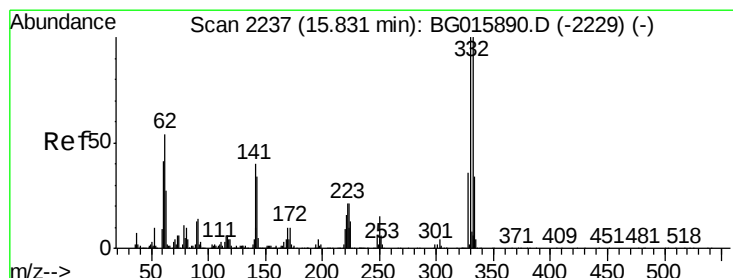
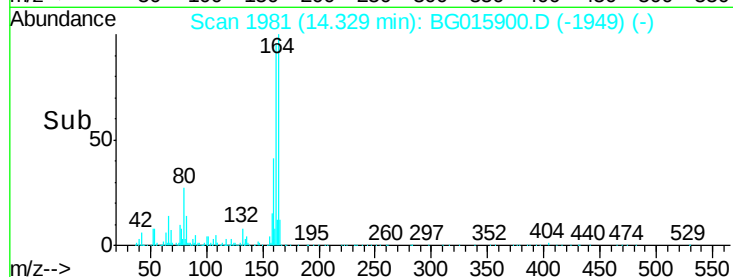
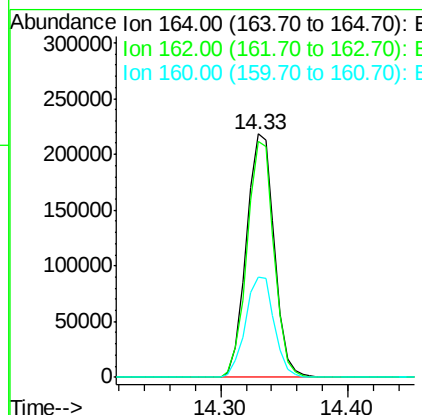
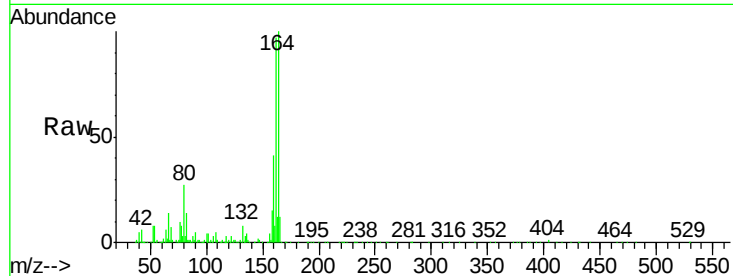




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.33 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG015900.D
Acq: 20 Jan 2015 20:27

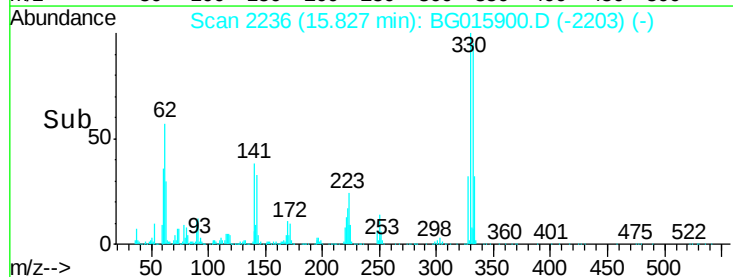
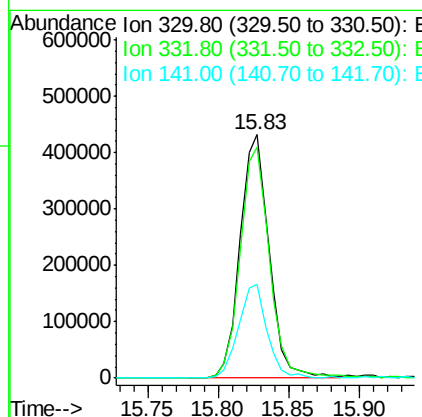
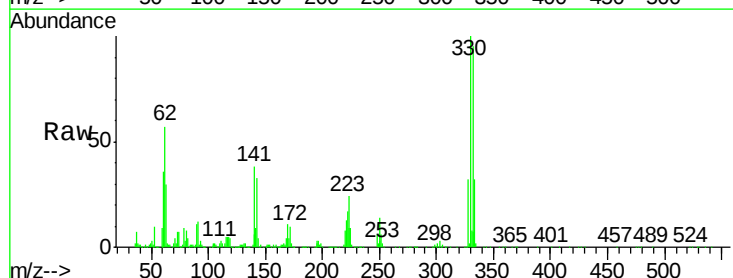
Instrument :
BNA_G
ClientSampleId :
PB81364TB

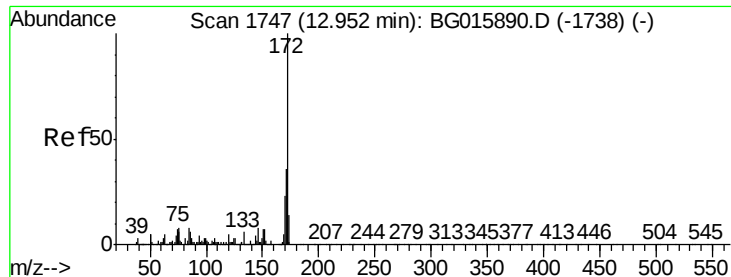
Tgt Ion:164 Resp: 332299
Ion Ratio Lower Upper
164 100
162 96.7 75.1 112.7
160 41.4 32.3 48.5



#41
2,4,6-Tribromophenol
Concen: 102.17 ng
RT: 15.83 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BG015900.D
Acq: 20 Jan 2015 20:27

Tgt Ion:330 Resp: 621512
Ion Ratio Lower Upper
330 100
332 96.0 75.4 113.0
141 38.3 33.0 49.6





#44

2-Fluorobiphenyl

Concen: 77.36 ng

RT: 12.95 min Scan# 1746

Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

BNA_G

ClientSampleId :

PB81364TB

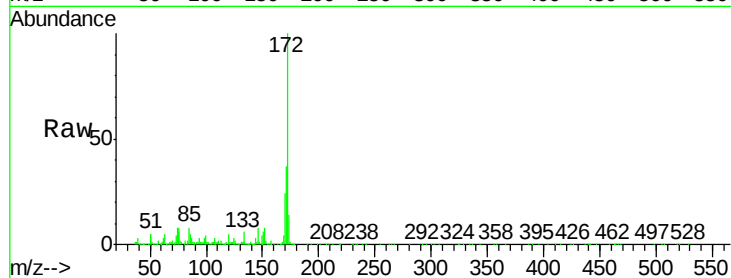
Tgt Ion:172 Resp: 1638504

Ion Ratio Lower Upper

172 100

171 36.6 29.2 43.8

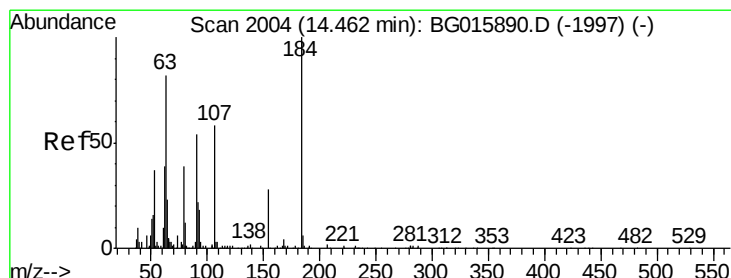
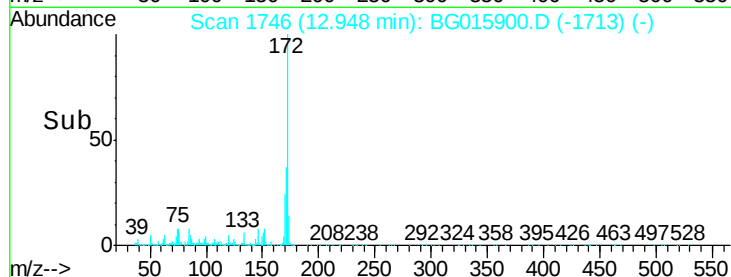
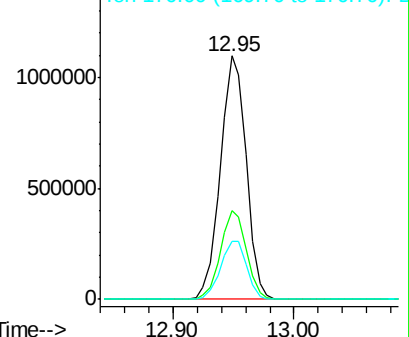
170 24.1 18.6 27.8



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



#53

2,4-Dinitrophenol

Concen: 4.56 ng

RT: 14.44 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

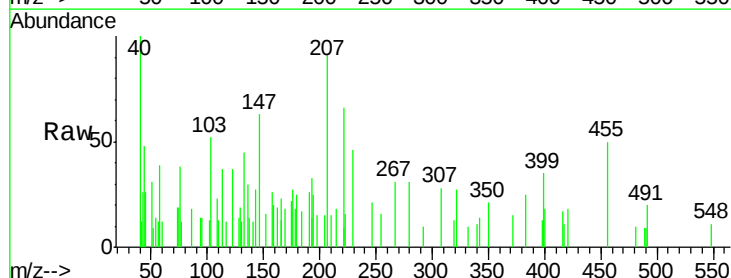
Tgt Ion:184 Resp: 165

Ion Ratio Lower Upper

184 100

63 0.0 68.6 103.0#

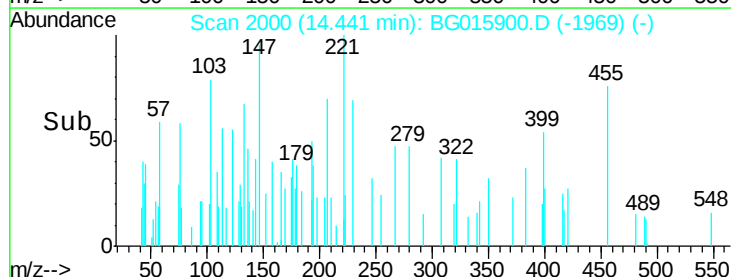
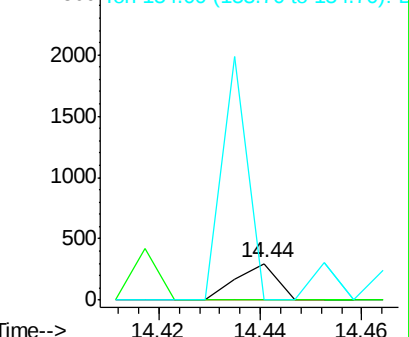
154 0.0 54.9 82.3#

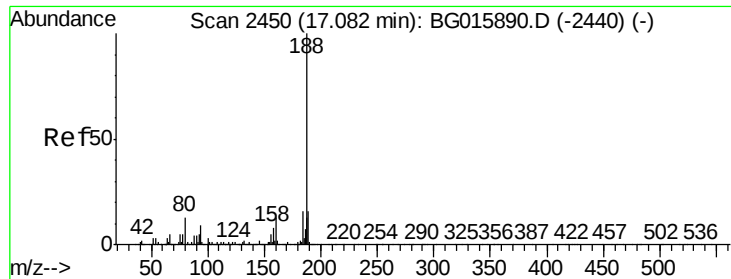


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG015900.D (-1969) (-)

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

BNA_G

ClientSampleId :

PB81364TB

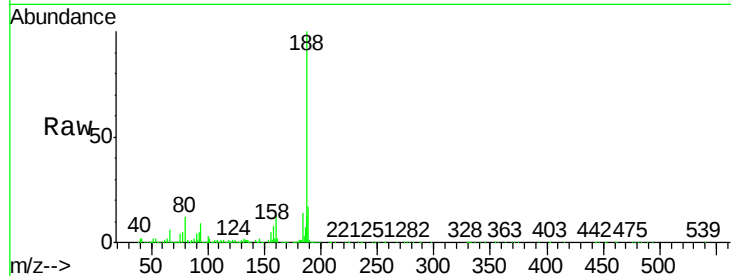
Tgt Ion:188 Resp: 860882

Ion Ratio Lower Upper

188 100

94 8.7 7.8 11.8

80 12.1 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

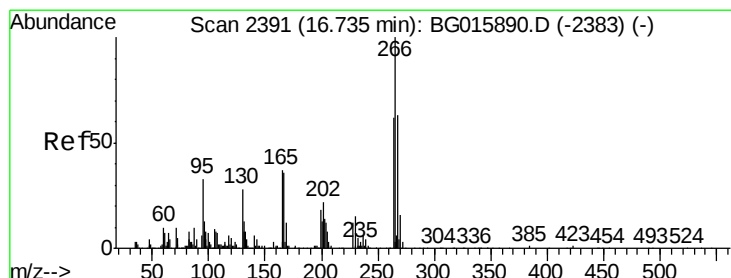
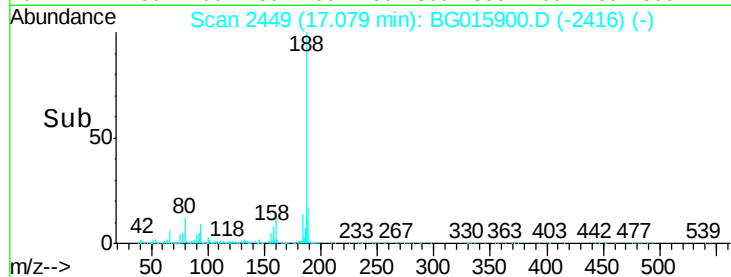
17.08

400000

200000

0

Time-->



#69

Pentachlorophenol

Concen: 5.25 ng

RT: 16.72 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

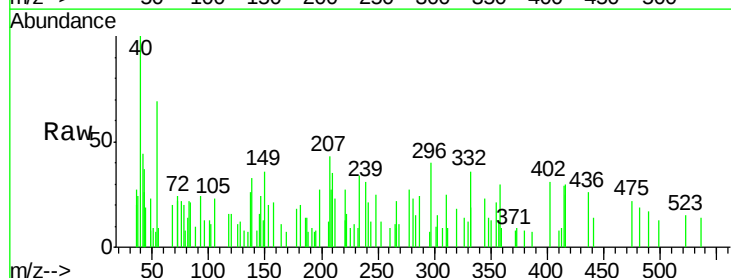
Tgt Ion:266 Resp: 149

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

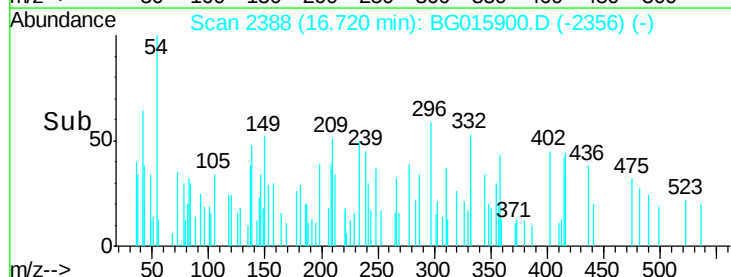
16.72

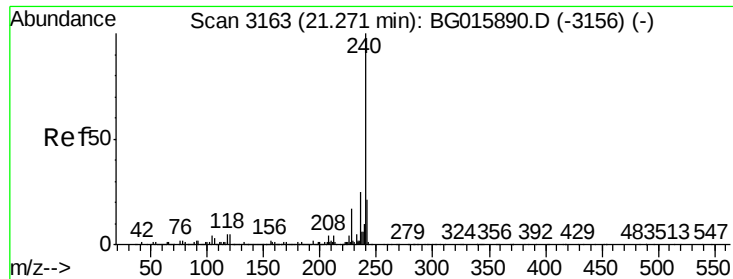
1000

500

0

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.26 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

BNA_G

ClientSampleId :

PB81364TB

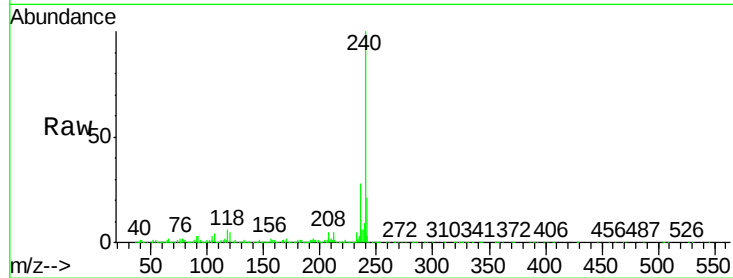
Tgt Ion:240 Resp: 1236970

Ion Ratio Lower Upper

240 100

120 5.1 3.9 5.9

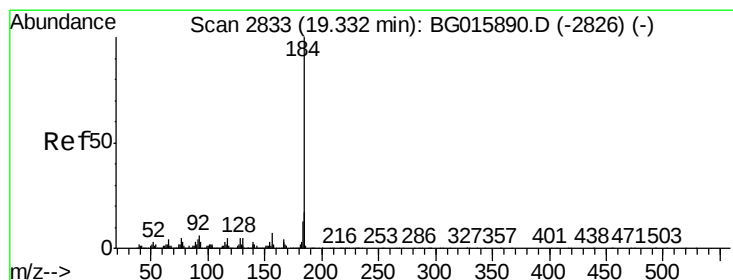
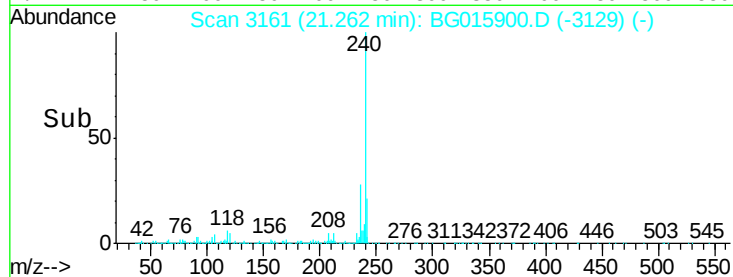
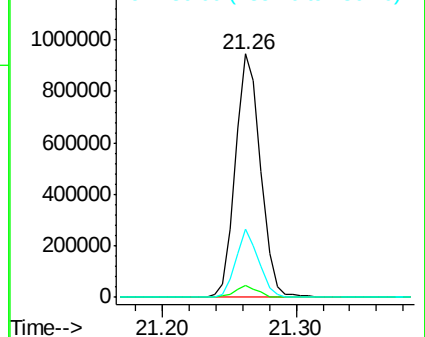
236 27.8 20.0 30.0



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



#76

Benzidine

Concen: 2.00 ng

RT: 19.32 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

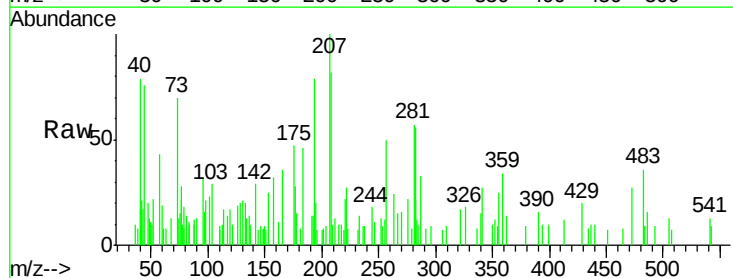
Tgt Ion:184 Resp: 505

Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

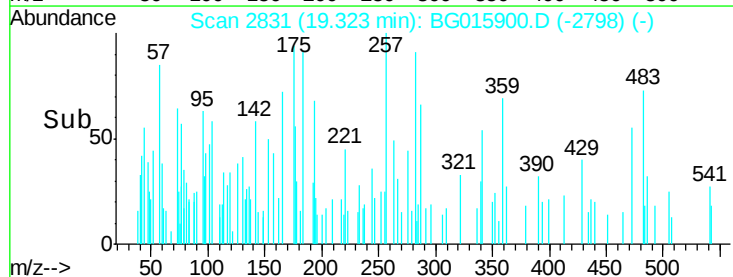
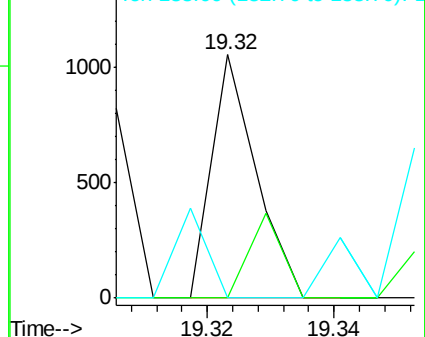
183 100.0 10.1 15.1#

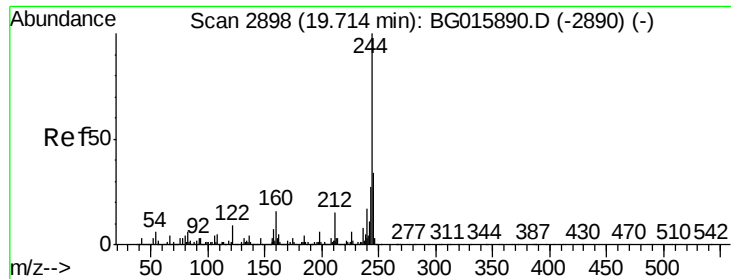


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 75.42 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

Instrument :

BNA_G

ClientSampleId :

PB81364TB

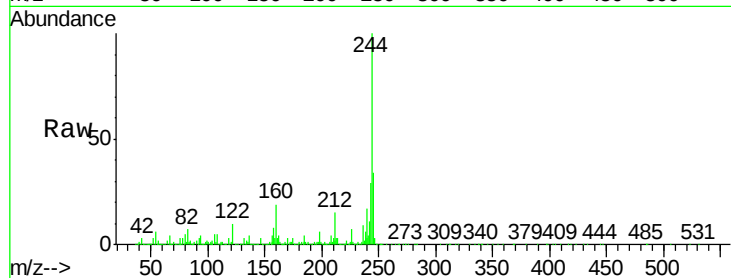
Tgt Ion:244 Resp: 3412605

Ion Ratio Lower Upper

244 100

212 15.1 11.6 17.4

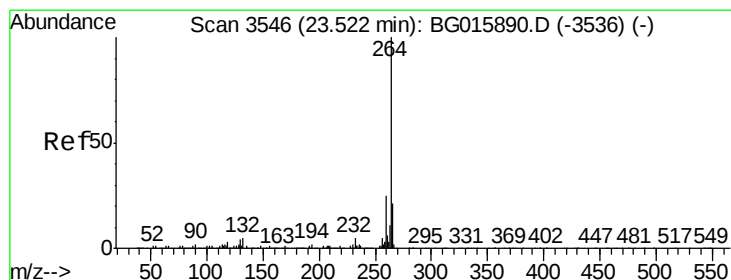
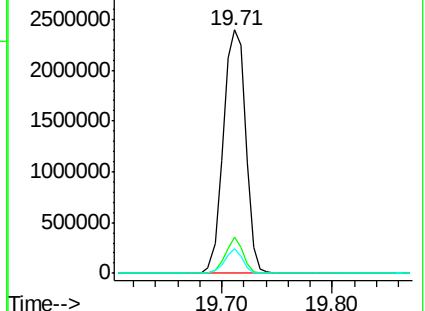
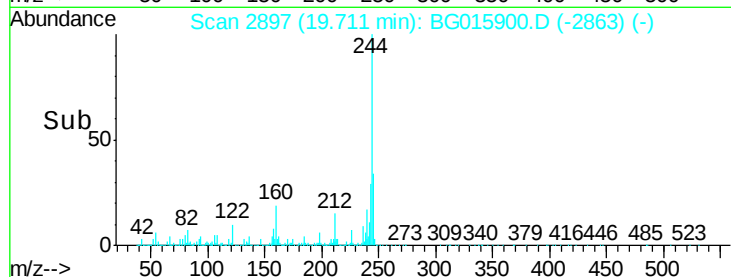
122 10.3 7.0 10.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.52 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BG015900.D

Acq: 20 Jan 2015 20:27

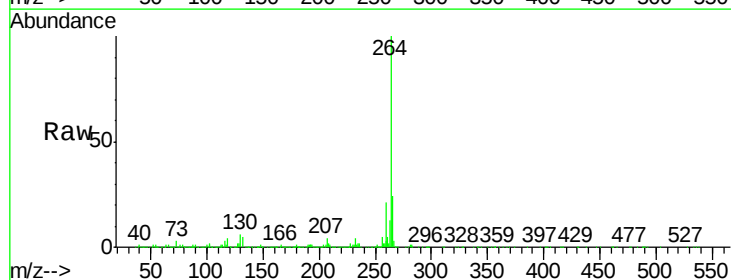
Tgt Ion:264 Resp: 1162437

Ion Ratio Lower Upper

264 100

260 20.9 19.7 29.5

265 23.6 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

