

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
 Data File : BM003917.D
 Acq On : 31 Dec 2015 16:52
 Operator : SJ/UM
 Sample : PB87603BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB87603BL

Quant Time: Jan 02 05:09:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 15:37:36 2015
 Response via : Initial Calibration

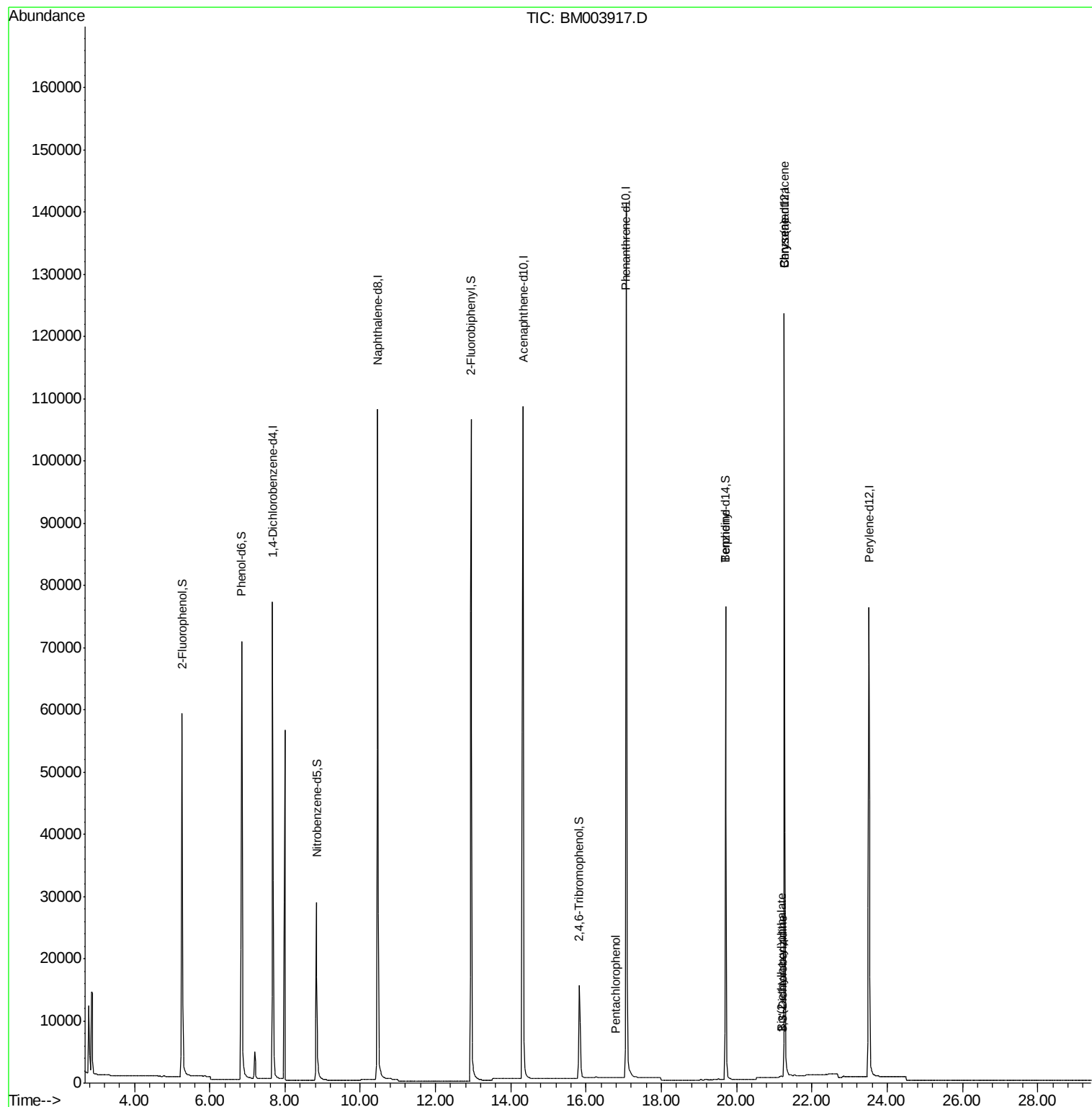
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	41286	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	167911	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	86464	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	214297	5.00	ng	0.00
26) Chrysene-d12	21.27	240	145410	5.00	ng	0.00
35) Perylene-d12	23.52	264	106530	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	67187	7.95	ng	0.00
5) Phenol-d6	6.85	99	84139	8.13	ng	0.00
8) Nitrobenzene-d5	8.84	82	32475	3.94	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	13762	5.38	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	116481	4.18	ng	0.00
29) Terphenyl-d14	19.71	244	102357	4.35	ng	-0.02
Target Compounds						
22) Pentachlorophenol	16.78	266	17	0.13	ng	# 63
23) Phenanthrene	17.06	178	189	Below Cal		# 1
27) Benzidine	19.71	184	2414	0.33	ng	# 90
30) Benzo(a)anthracene	21.27	228	1055	0.03	ng	# 89
31) 3,3'-Dichlorobenzidine	21.23	252	41	0.24	ng	# 60
32) Chrysene	21.27	228	1074	0.03	ng	# 76
33) Bis(2-ethylhexyl)phthalate	21.19	149	510	0.37	ng	# 72

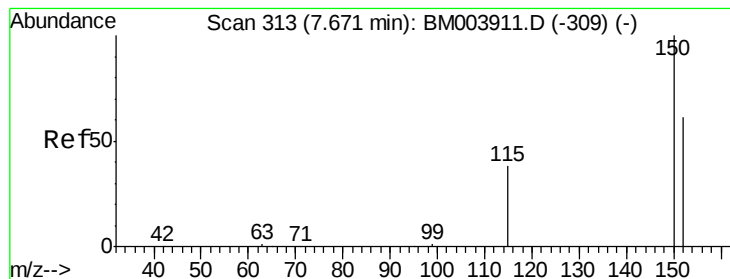
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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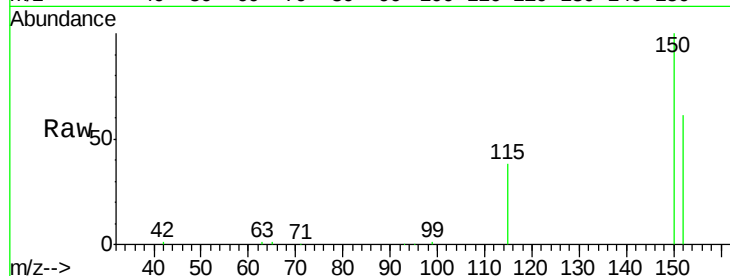


#1

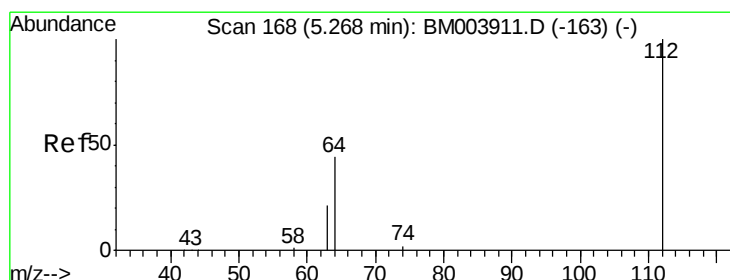
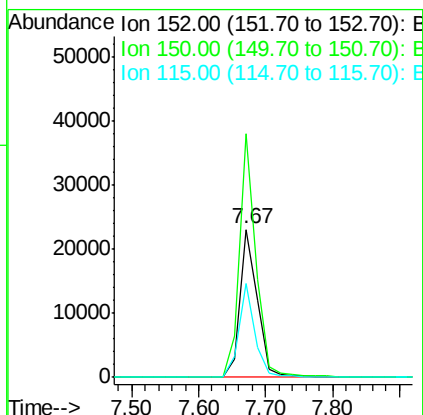
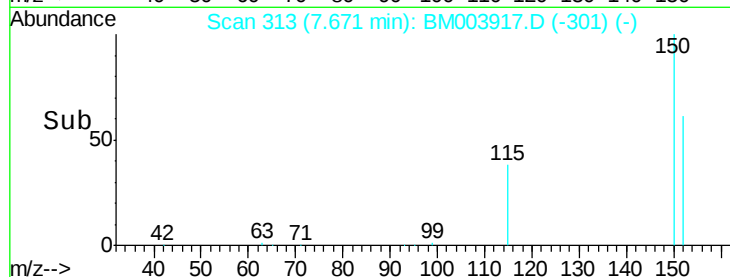
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003917.D
Acq: 31 Dec 2015 16:52

Instrument :
BNA_G
ClientSampleId :
PB87603BL

Tgt Ion:152 Resp: 41286
Ion Ratio Lower Upper
152 100
150 164.2 122.9 184.3
115 63.1 44.4 66.6



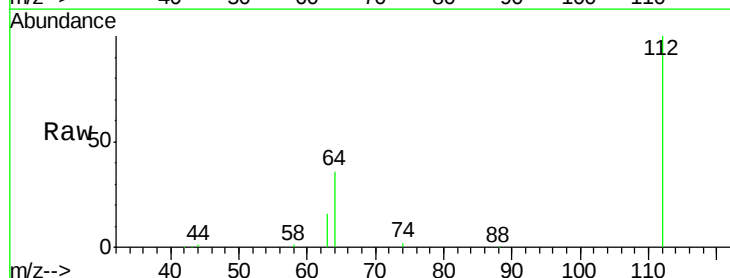
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



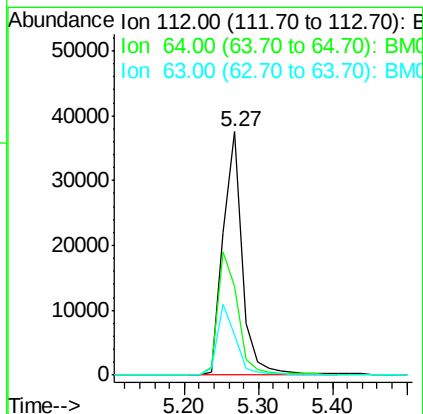
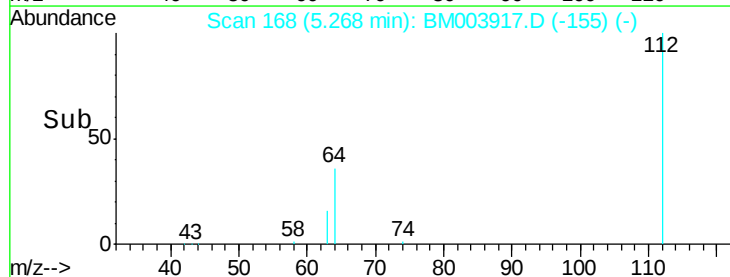
#4

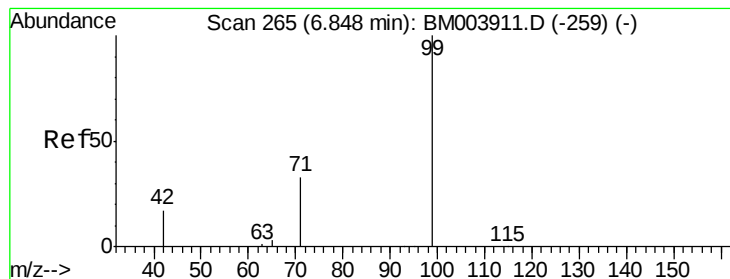
2-Fluorophenol
Concen: 7.95 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003917.D
Acq: 31 Dec 2015 16:52

Tgt Ion:112 Resp: 67187
Ion Ratio Lower Upper
112 100
64 52.9 41.8 62.8
63 27.9 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 8.13 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

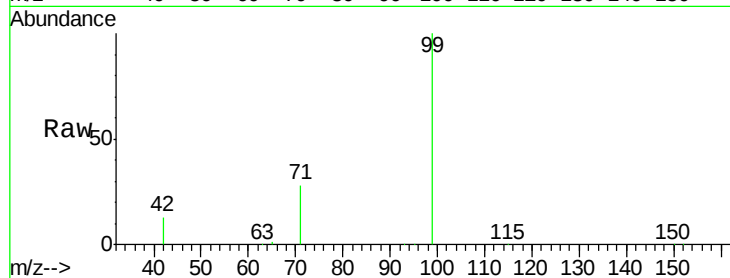
Tgt Ion: 99 Resp: 84139

Ion Ratio Lower Upper

99 100

42 18.8 16.2 24.2

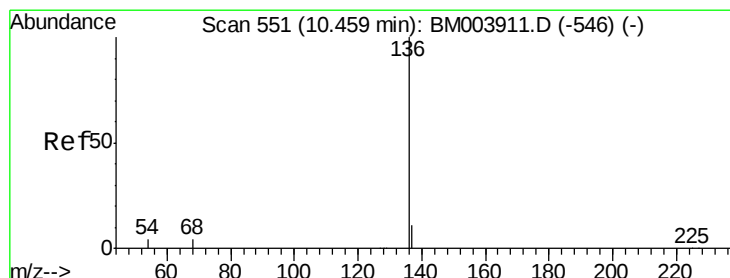
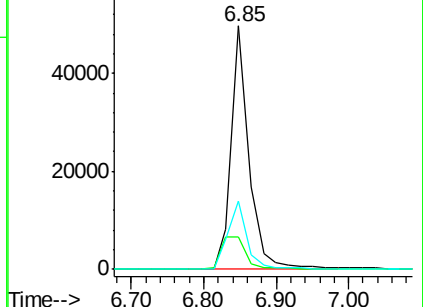
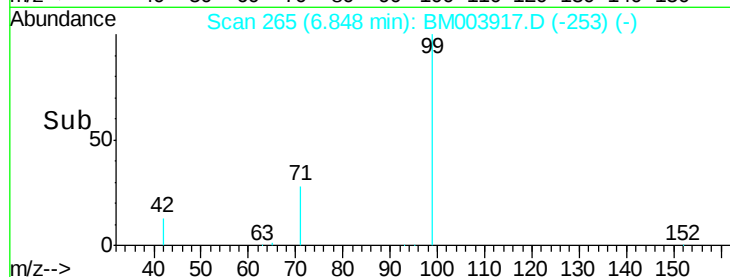
71 30.0 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003917.D (-259) (-)

Ion 42.00 (41.70 to 42.70): BM003917.D (-259) (-)

Ion 71.00 (70.70 to 71.70): BM003917.D (-259) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Tgt Ion: 136 Resp: 167911

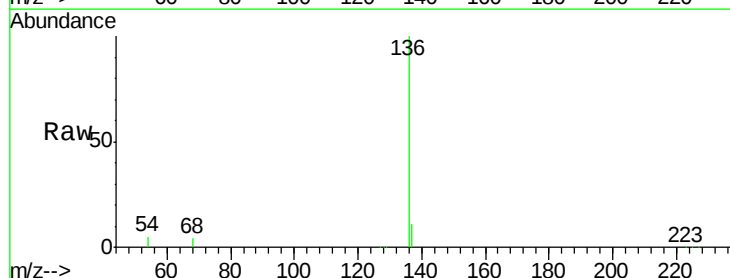
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 4.9 2.8 4.2#

68 4.0 2.5 3.7#

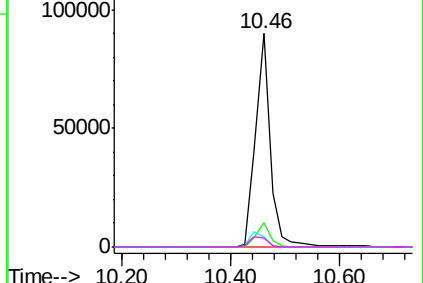
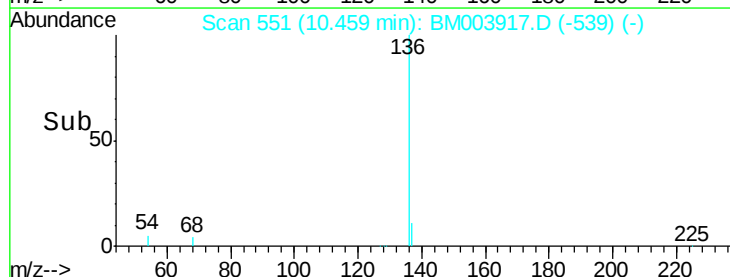


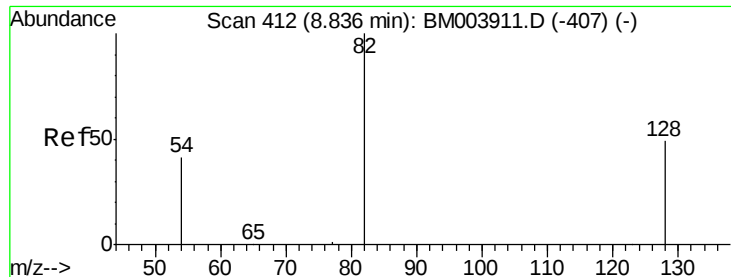
Abundance Ion 136.00 (135.70 to 136.70): BM003917.D (-539) (-)

Ion 137.00 (136.70 to 137.70): BM003917.D (-539) (-)

Ion 54.00 (53.70 to 54.70): BM003917.D (-539) (-)

Ion 68.00 (67.70 to 68.70): BM003917.D (-539) (-)





#8

Nitrobenzene-d5

Concen: 3.94 ng

RT: 8.84 min Scan# 412

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

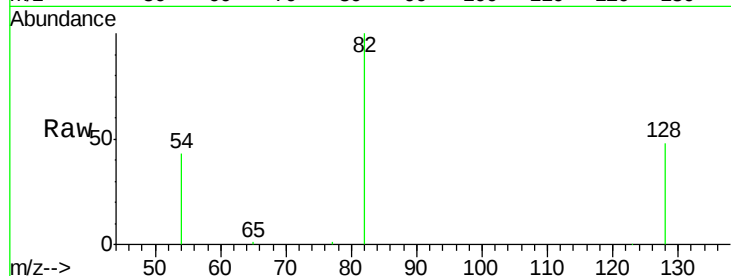
Tgt Ion: 82 Resp: 32475

Ion Ratio Lower Upper

82 100

128 47.5 39.1 58.7

54 43.4 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM003917.D (-393) (-)

Ion 128.00 (127.70 to 128.70): BM003917.D (-393) (-)

Ion 54.00 (53.70 to 54.70): BM003917.D (-393) (-)

8.84

15000

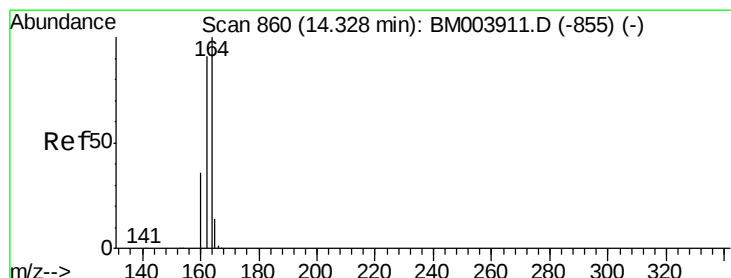
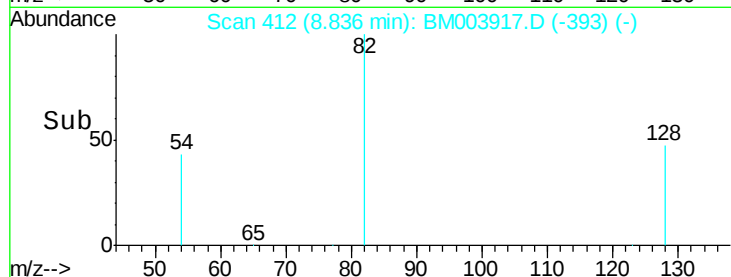
10000

5000

0

8.70 8.80 8.90 9.00

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

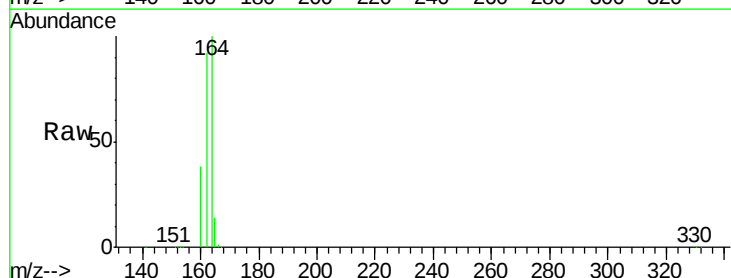
Tgt Ion: 164 Resp: 86464

Ion Ratio Lower Upper

164 100

162 92.5 86.0 129.0

160 38.0 40.3 60.5#



Abundance Ion 164.00 (163.70 to 164.70): BM003917.D (-851) (-)

Ion 162.00 (161.70 to 162.70): BM003917.D (-851) (-)

Ion 160.00 (159.70 to 160.70): BM003917.D (-851) (-)

14.33

60000

50000

40000

30000

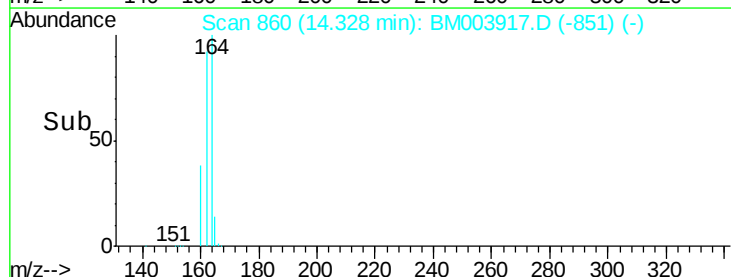
20000

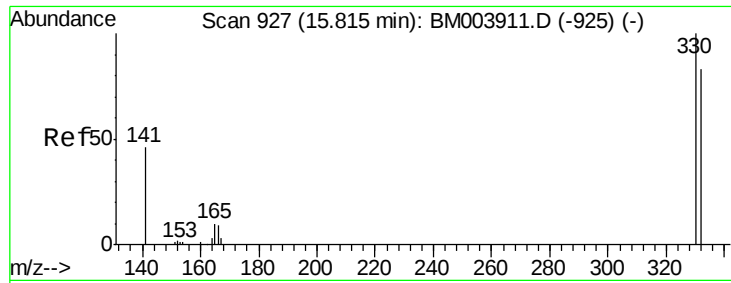
10000

0

14.20 14.30 14.40

Time-->

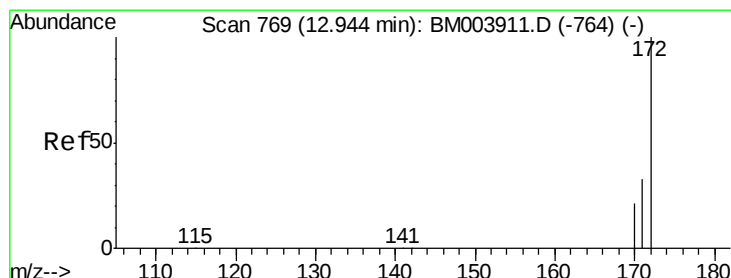
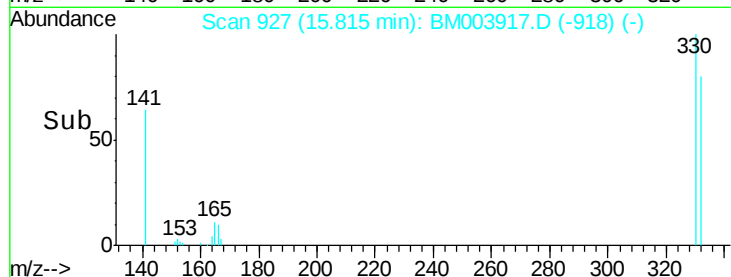
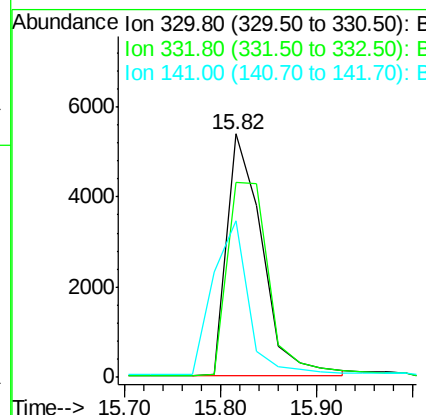
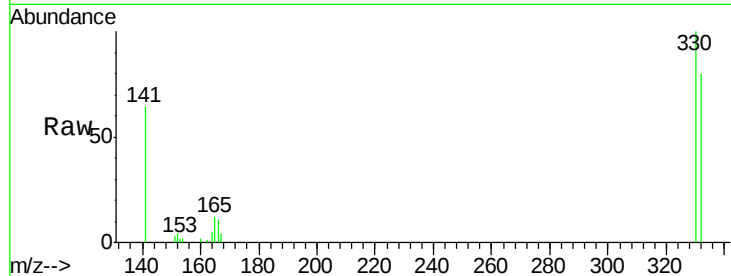




#14
 2,4,6-Tribromophenol
 Concen: 5.38 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM003917.D
 Acq: 31 Dec 2015 16:52

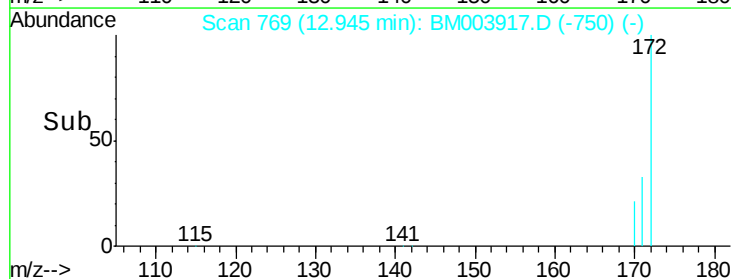
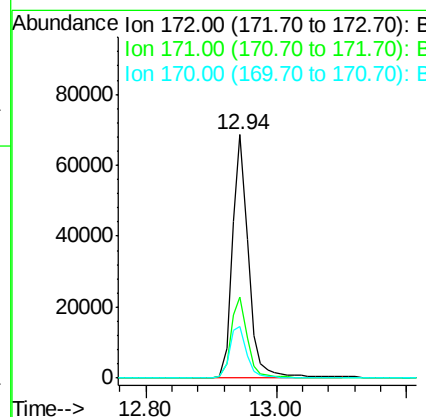
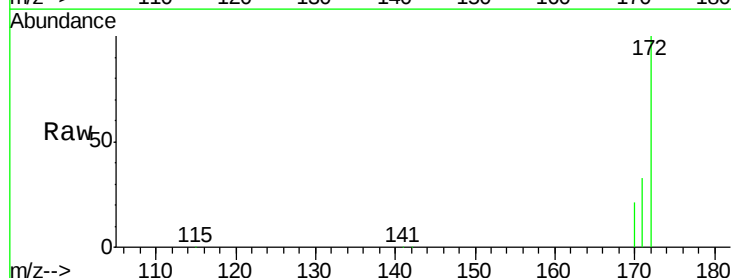
Instrument :
 BNA_G
 ClientSampleId :
 PB87603BL

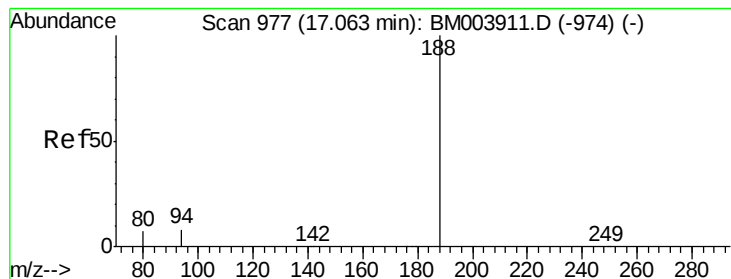
Tgt Ion:330 Resp: 13762
 Ion Ratio Lower Upper
 330 100
 332 94.3 79.0 118.4
 141 64.2 0.0 0.0#



#15
 2-Fluorobiphenyl
 Concen: 4.18 ng
 RT: 12.94 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BM003917.D
 Acq: 31 Dec 2015 16:52

Tgt Ion:172 Resp: 116481
 Ion Ratio Lower Upper
 172 100
 171 33.3 27.0 40.6
 170 21.4 17.9 26.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

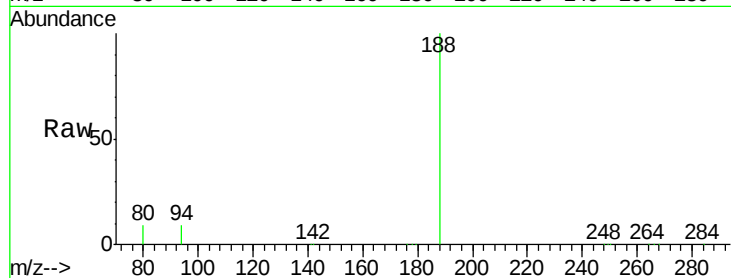
Tgt Ion:188 Resp: 214297

Ion Ratio Lower Upper

188 100

94 9.1 20.3 30.5#

80 8.6 22.2 33.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

150000

100000

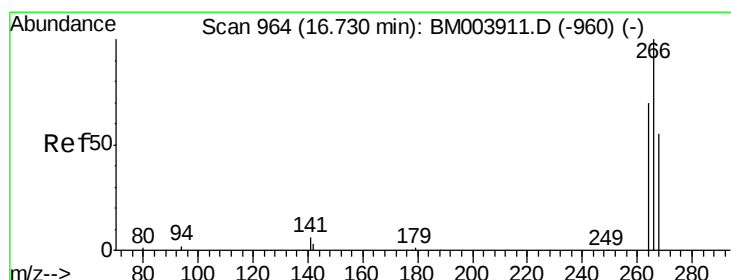
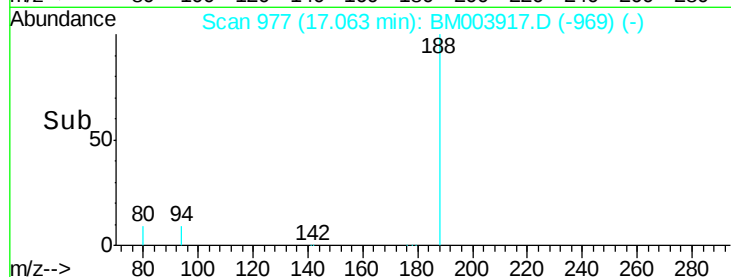
50000

0

17.06

17.00 17.10 17.20

Time-->



#22

Pentachlorophenol

Concen: 0.13 ng

RT: 16.78 min Scan# 966

Delta R.T. 0.05 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

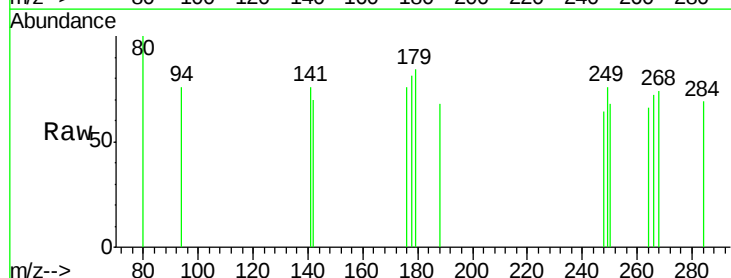
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 103.8 62.7 94.1#

264 92.5 45.7 68.5#



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

60

40

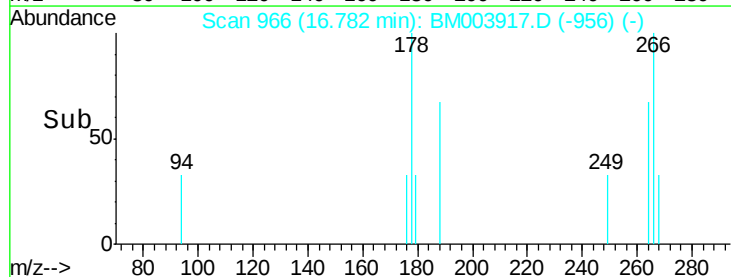
20

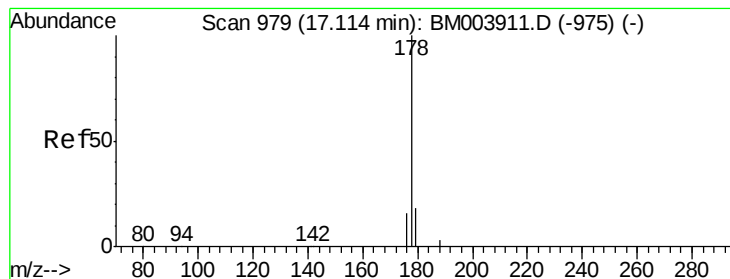
0

16.78

16.60 16.70 16.80

Time-->





#23

Phenanthrene

Concen: Below Cal

RT: 17.06 min Scan# 977

Delta R.T. -0.05 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

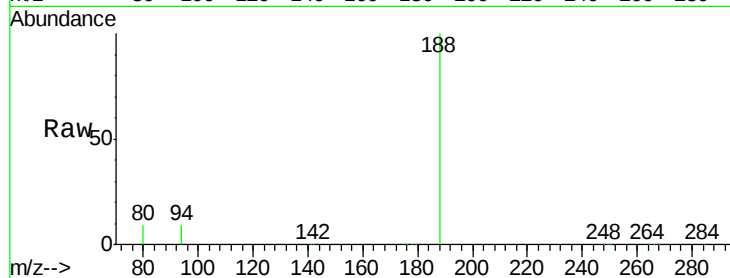
Tgt Ion:178 Resp: 189

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

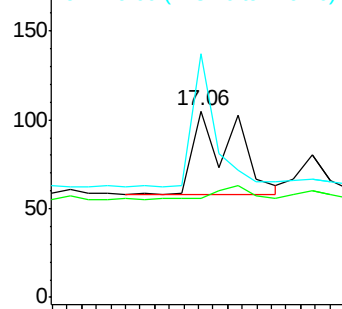
179 91.0 12.2 18.4#



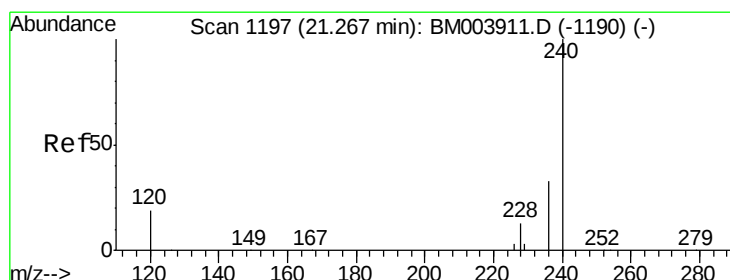
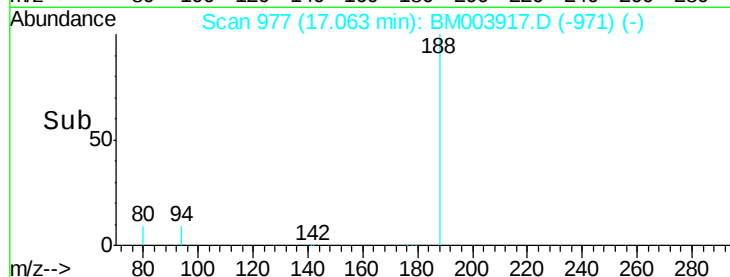
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

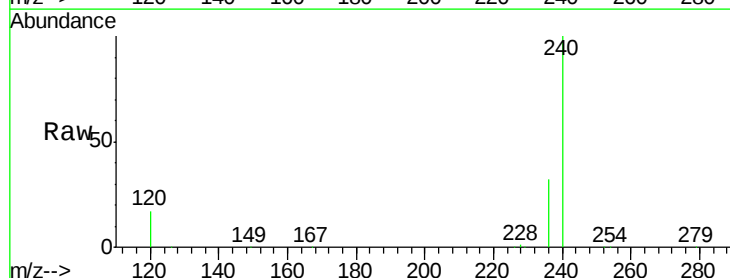
Tgt Ion:240 Resp: 145410

Ion Ratio Lower Upper

240 100

120 16.7 0.9 1.3#

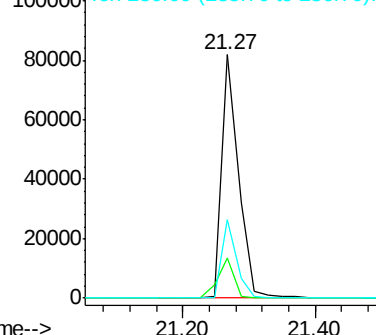
236 32.3 17.3 25.9#



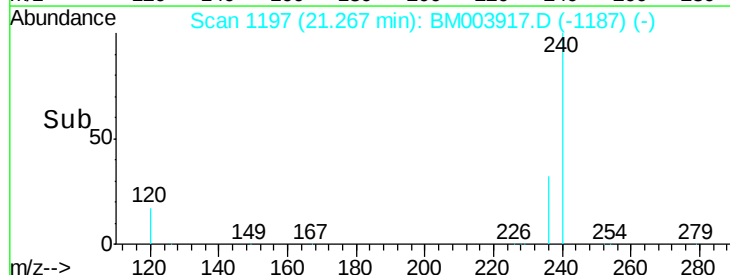
Abundance Ion 240.00 (239.70 to 240.70): E

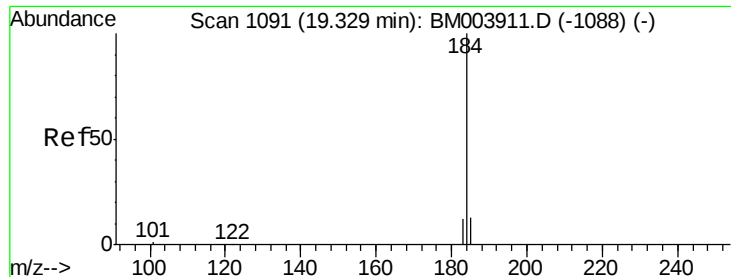
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#27

Benzidine

Concen: 0.33 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.38 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

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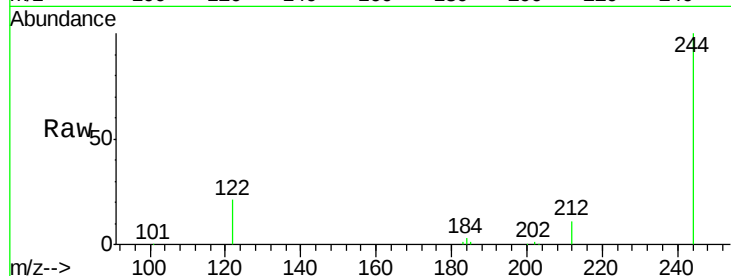
Tgt Ion:184 Resp: 2414

Ion Ratio Lower Upper

184 100

185 20.0 13.2 19.8#

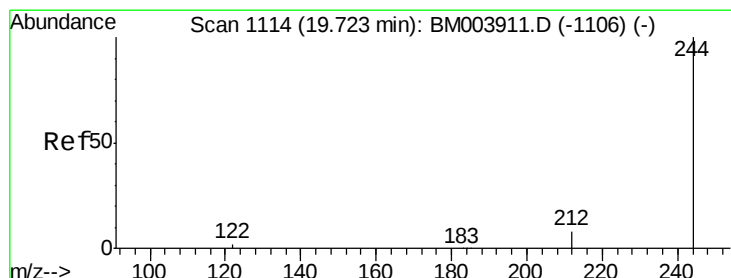
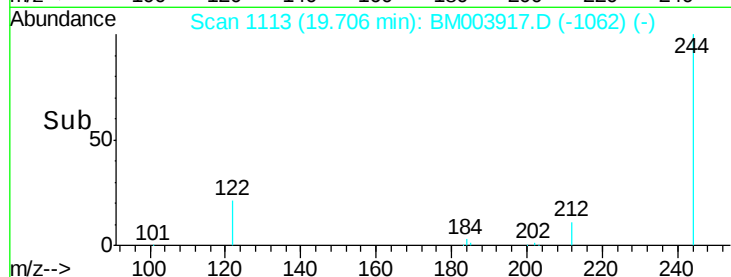
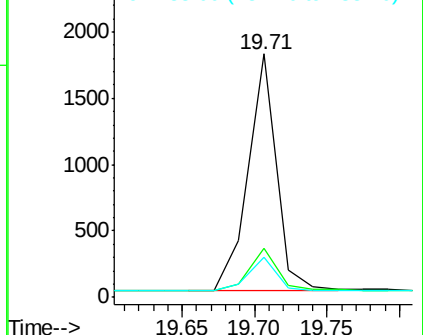
183 16.4 9.0 13.6#



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



#29

Terphenyl-d14

Concen: 4.35 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

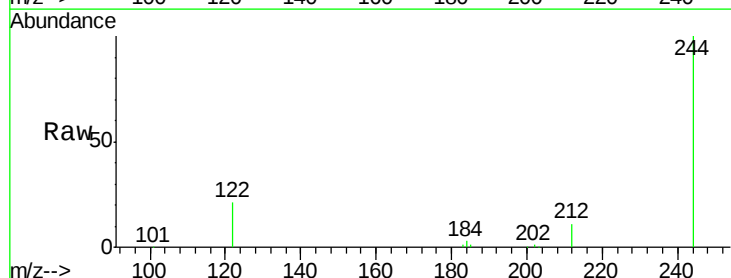
Tgt Ion:244 Resp: 102357

Ion Ratio Lower Upper

244 100

212 11.4 7.0 10.6#

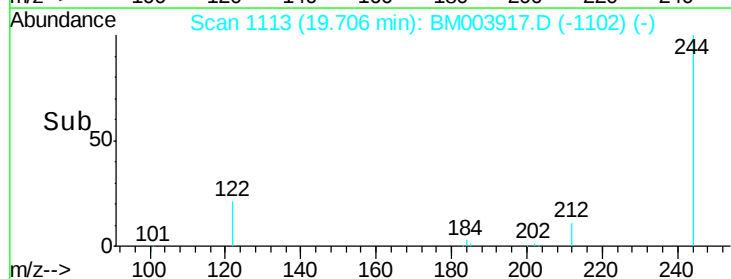
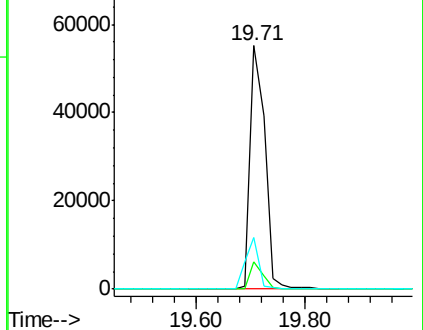
122 21.1 3.0 4.6#

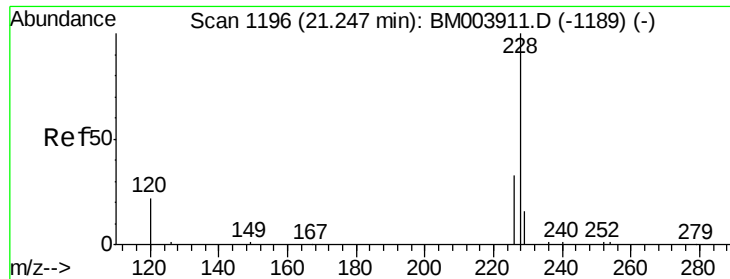


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

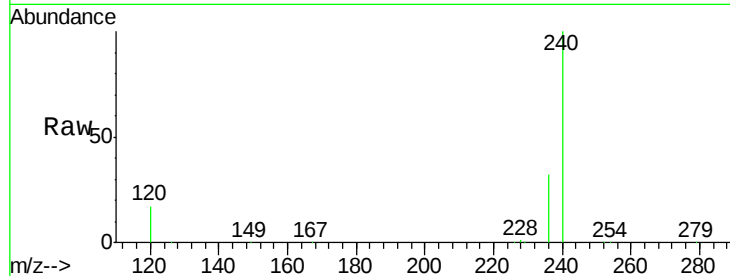
Tgt Ion:228 Resp: 1055

Ion Ratio Lower Upper

228 100

226 21.3 17.2 25.8

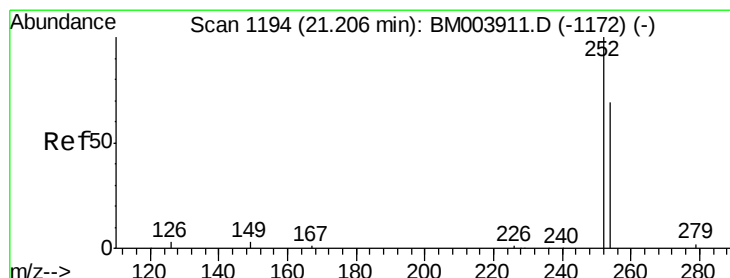
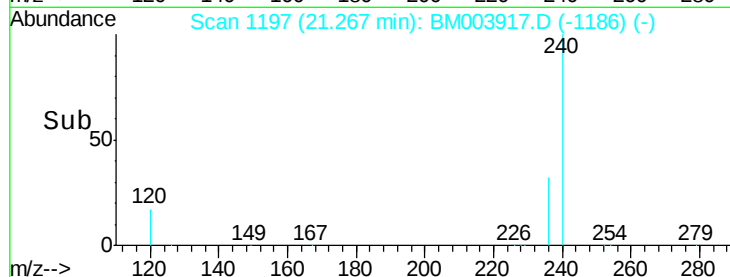
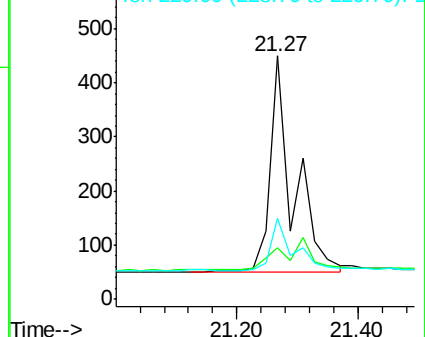
229 33.3 18.7 28.1#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

3,3'-Dichlorobenzidine

Concen: 0.24 ng

RT: 21.23 min Scan# 1195

Delta R.T. 0.02 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

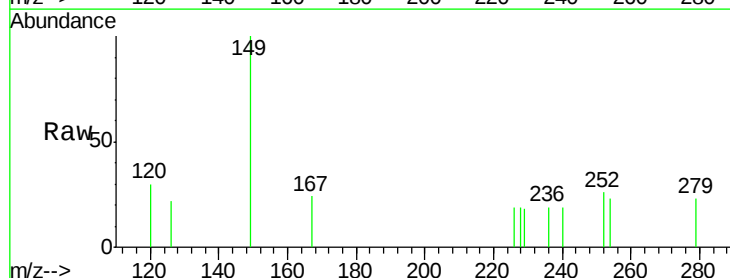
Tgt Ion:252 Resp: 41

Ion Ratio Lower Upper

252 100

254 86.1 52.6 79.0#

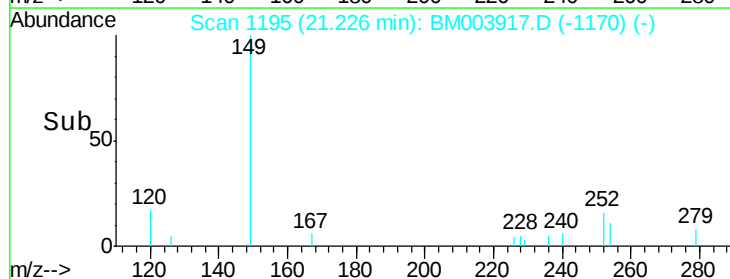
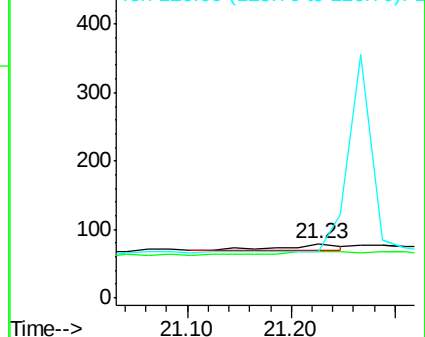
126 84.8 3.7 5.5#

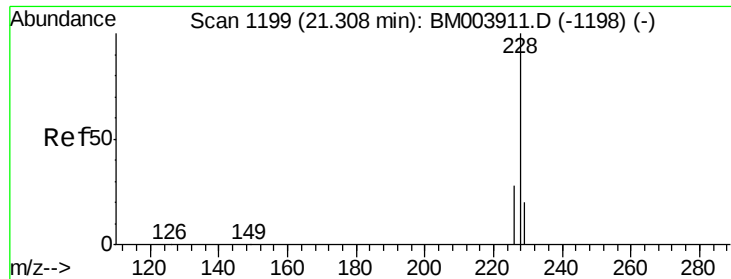


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

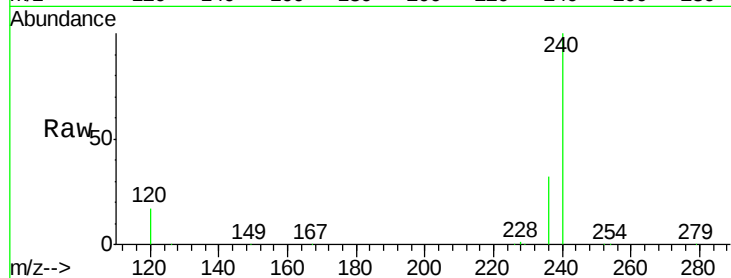
Tgt Ion:228 Resp: 1074

Ion Ratio Lower Upper

228 100

226 21.3 25.3 37.9#

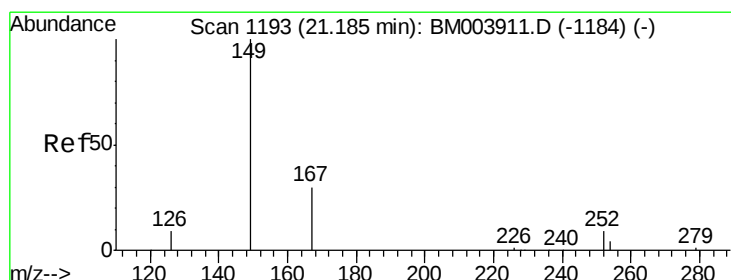
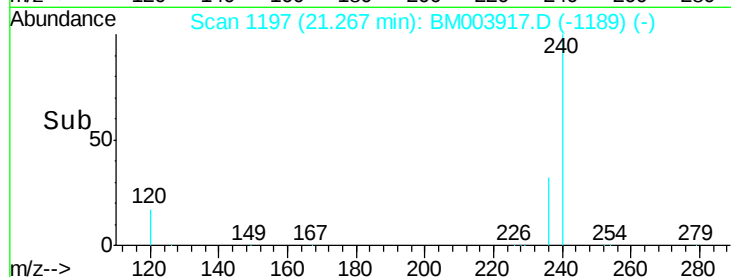
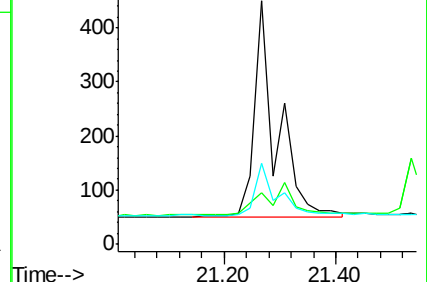
229 33.3 14.5 21.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.37 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

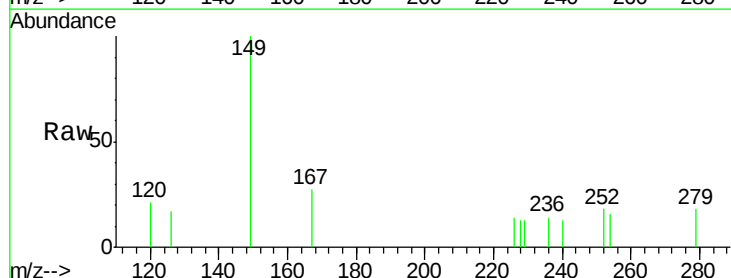
Tgt Ion:149 Resp: 510

Ion Ratio Lower Upper

149 100

167 11.2 20.1 30.1#

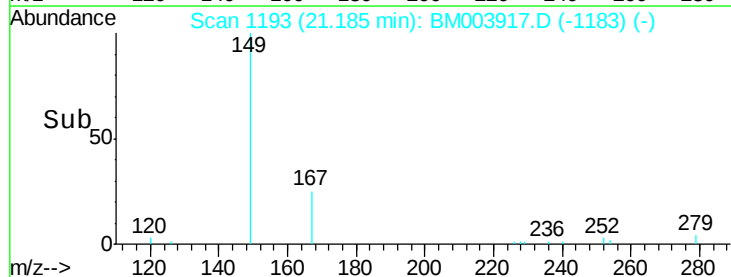
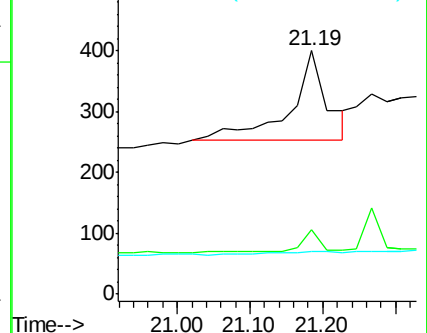
279 8.2 0.0 0.0#

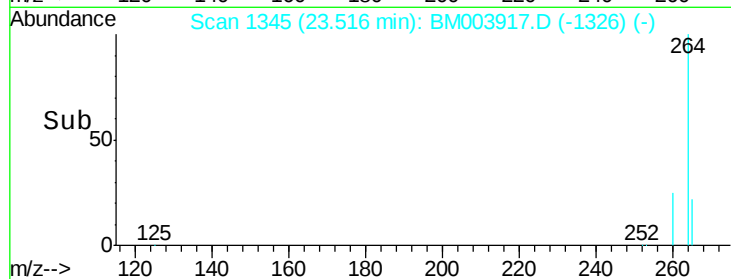
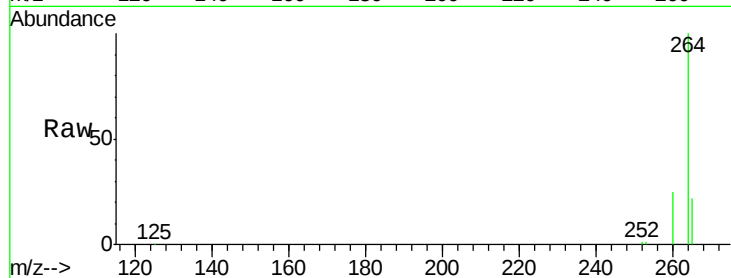
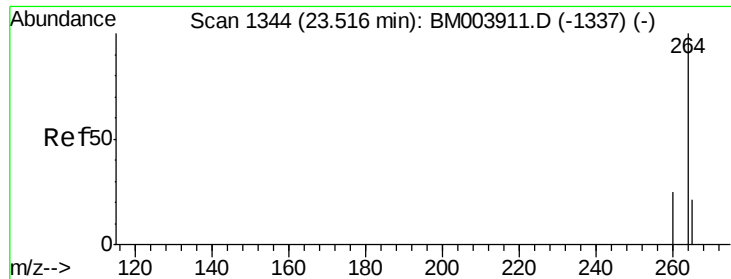


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA_G

ClientSampleId :

PB87603BL

Tgt Ion: 264 Resp: 106530

Ion Ratio Lower Upper

264 100

260 24.8 21.2 31.8

265 22.4 16.7 25.1

