

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
 Data File : BM003916.D
 Acq On : 31 Dec 2015 16:16
 Operator : SJ/UM
 Sample : PB87602BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB87602BL

Quant Time: Jan 02 05:09:11 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

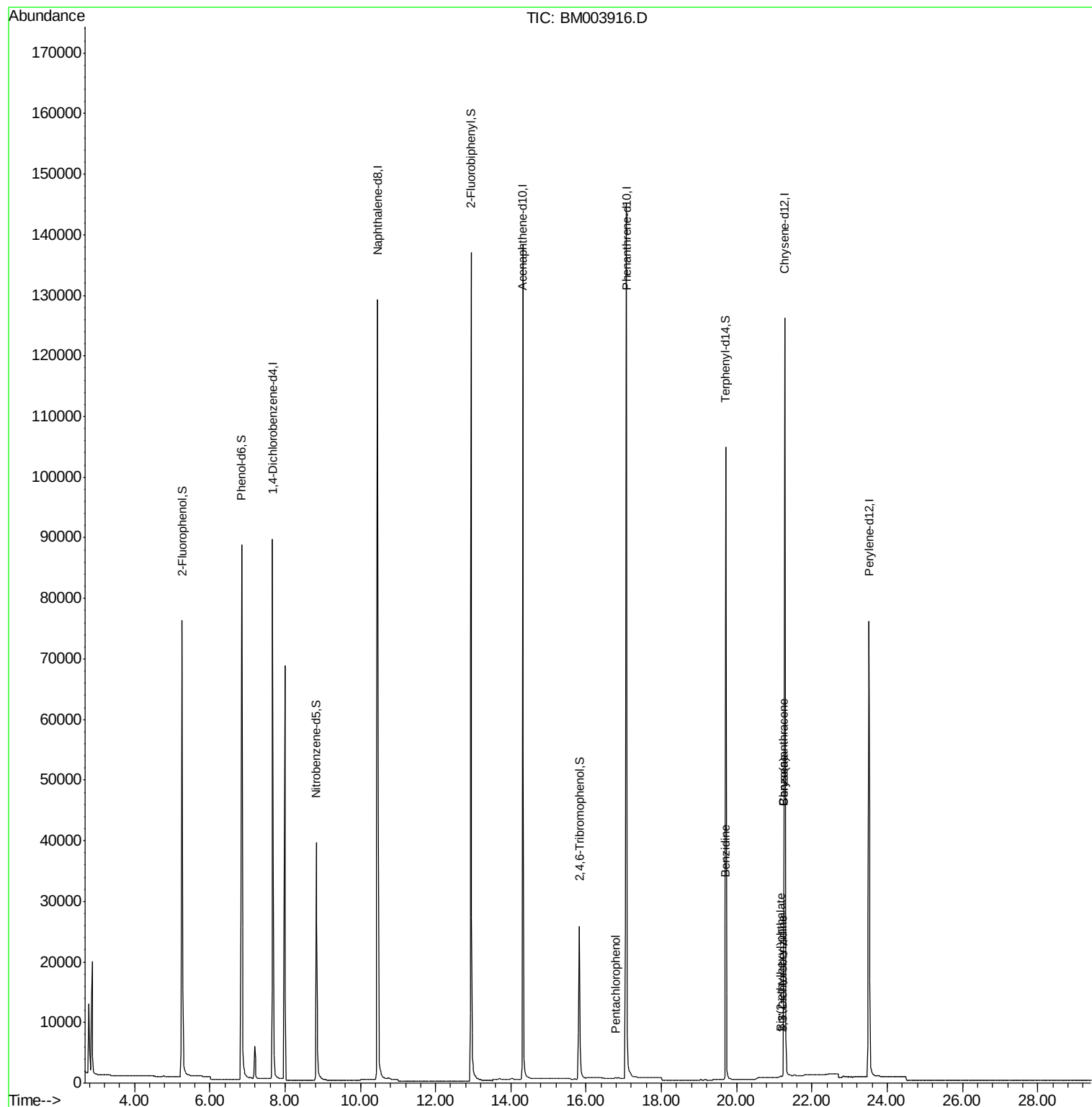
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	46812	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	189407	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	97165	5.00	ng	-0.02
19) Phenanthrene-d10	17.07	188	233069	5.00	ng	0.00
26) Chrysene-d12	21.28	240	146598	5.00	ng	0.01
35) Perylene-d12	23.52	264	104135	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	84023	8.77	ng	0.00
5) Phenol-d6	6.85	99	103617	8.83	ng	0.00
8) Nitrobenzene-d5	8.83	82	40623	4.36	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	19066	6.58	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	141975	4.53	ng	0.00
29) Terphenyl-d14	19.71	244	116252	4.90	ng	-0.01
Target Compounds						
22) Pentachlorophenol	16.79	266	12	0.12	ng	# 65
23) Phenanthrene	17.07	178	172	Below Cal		# 1
27) Benzidine	19.70	184	2530	0.34	ng	# 93
30) Benzo(a)anthracene	21.26	228	988	0.02	ng	# 76
31) 3,3'-Dichlorobenzidine	21.22	252	81	0.24	ng	# 60
32) Chrysene	21.26	228	1013	0.02	ng	# 84
33) Bis(2-ethylhexyl)phthalate	21.17	149	452	0.37	ng	# 74

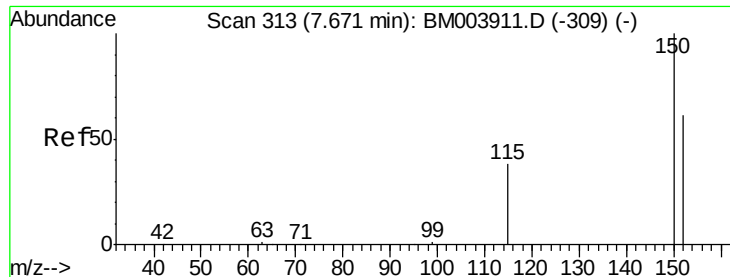
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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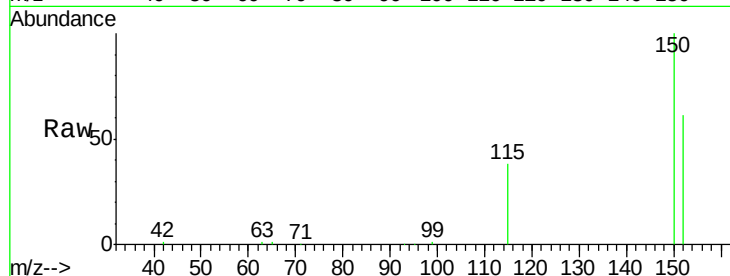


#1

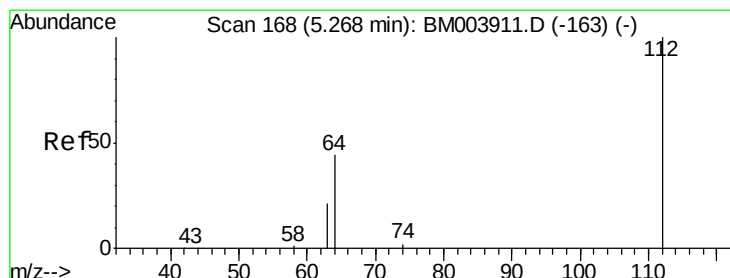
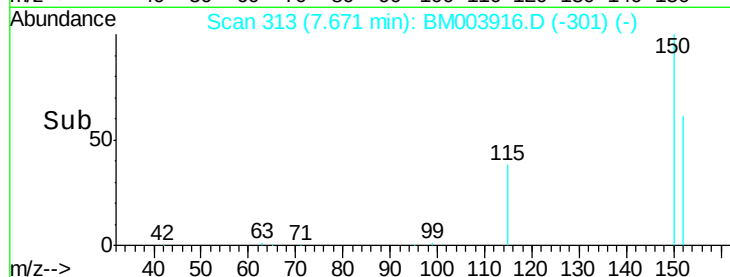
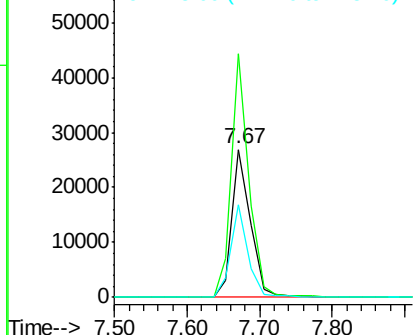
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003916.D
Acq: 31 Dec 2015 16:16

Instrument :
BNA_G
ClientSampleId :
PB87602BL

Tgt Ion:152 Resp: 46812
Ion Ratio Lower Upper
152 100
150 164.7 122.9 184.3
115 62.7 44.4 66.6



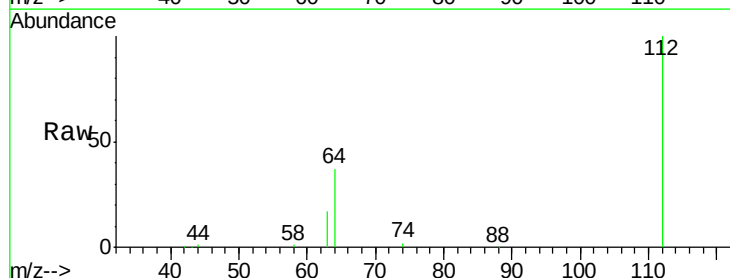
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



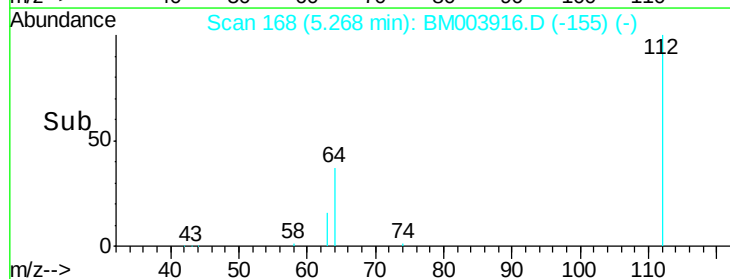
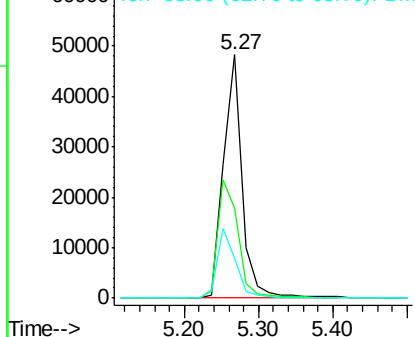
#4

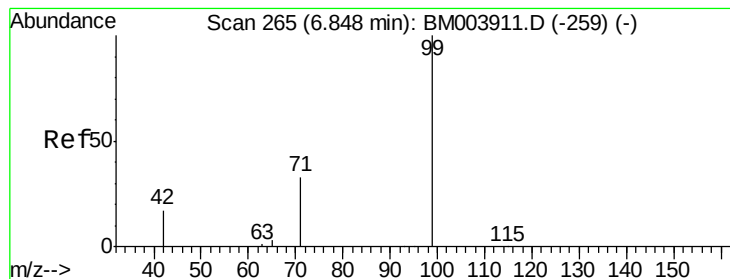
2-Fluorophenol
Concen: 8.77 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003916.D
Acq: 31 Dec 2015 16:16

Tgt Ion:112 Resp: 84023
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: 8.83 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

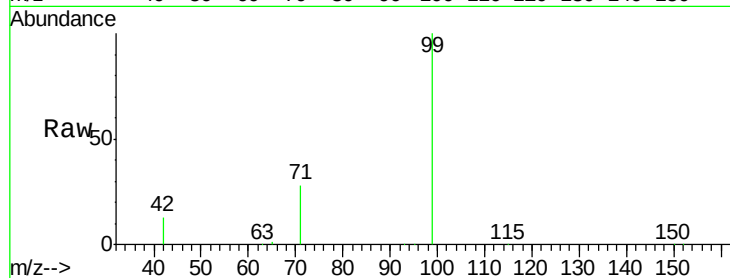
Tgt Ion: 99 Resp: 103617

Ion Ratio Lower Upper

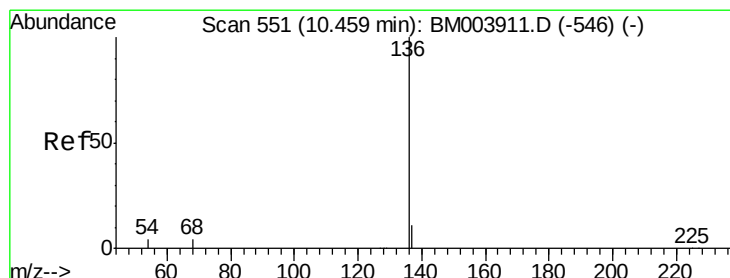
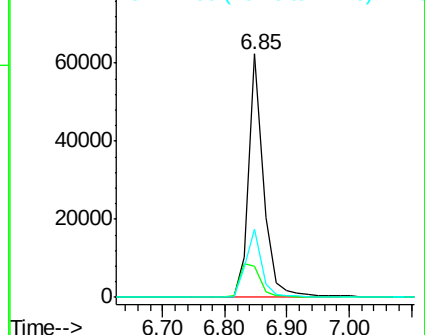
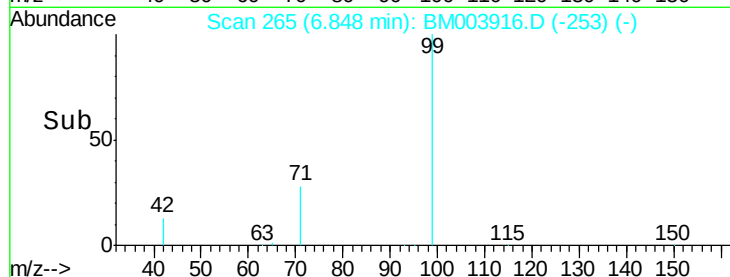
99 100

42 18.8 16.2 24.2

71 30.1 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003916.D (-253) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Tgt Ion: 136 Resp: 189407

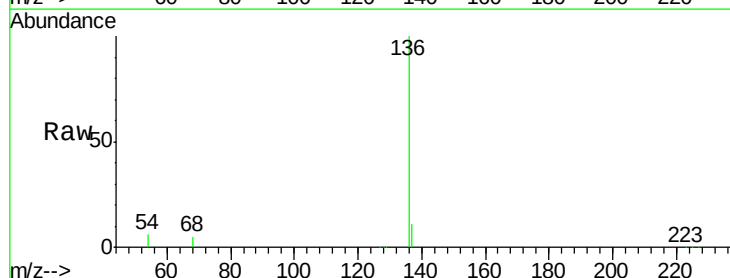
Ion Ratio Lower Upper

136 100

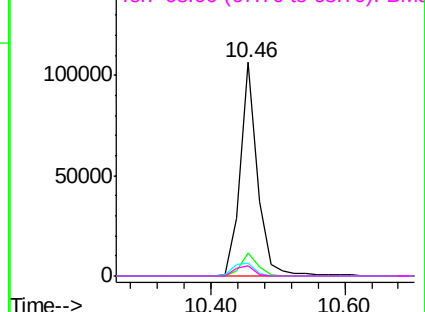
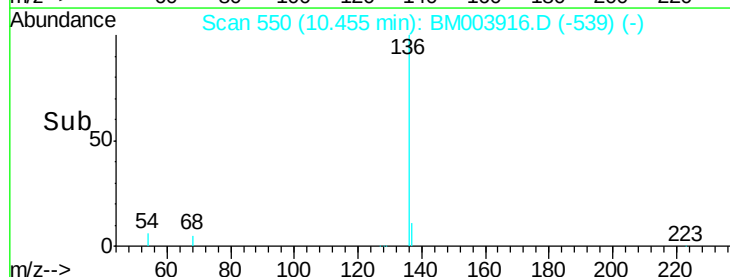
137 10.7 9.2 13.8

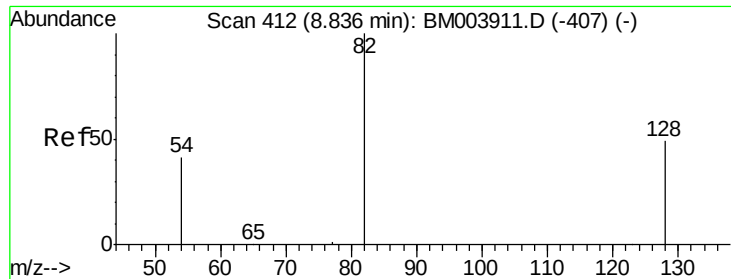
54 5.9 2.8 4.2#

68 4.6 2.5 3.7#



Abundance Ion 136.00 (135.70 to 136.70): BM003916.D (-539) (-)





#8

Nitrobenzene-d5

Concen: 4.36 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

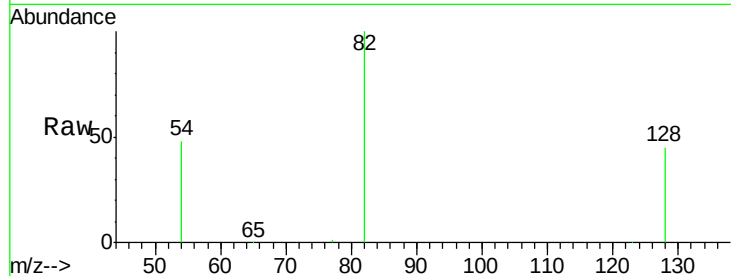
Tgt Ion: 82 Resp: 40623

Ion Ratio Lower Upper

82 100

128 44.7 39.1 58.7

54 47.7 34.8 52.2

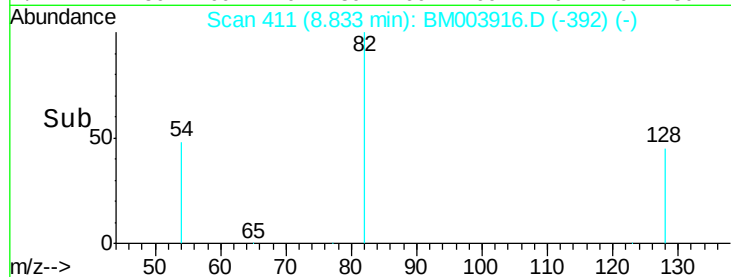


Abundance Ion 82.00 (81.70 to 82.70): BM003911.D (-407) (-)

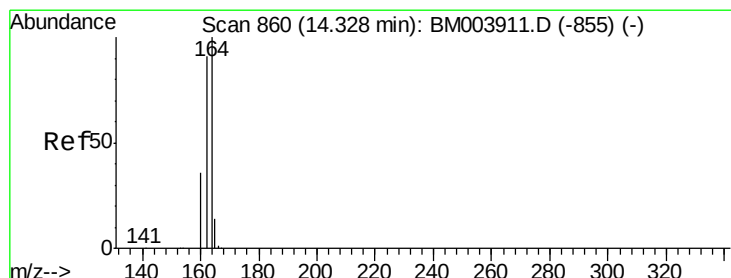
Ion 128.00 (127.70 to 128.70): BM003911.D (-407) (-)

Ion 54.00 (53.70 to 54.70): BM003911.D (-407) (-)

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.02 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

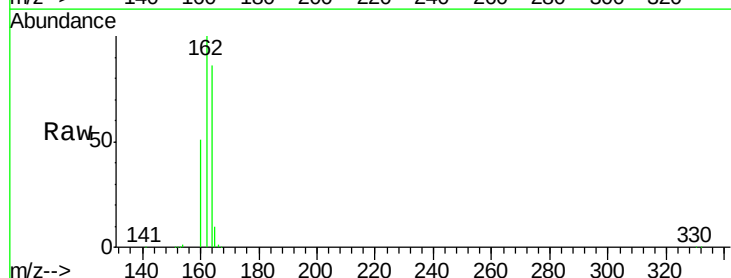
Tgt Ion: 164 Resp: 97165

Ion Ratio Lower Upper

164 100

162 116.4 86.0 129.0

160 59.7 40.3 60.5

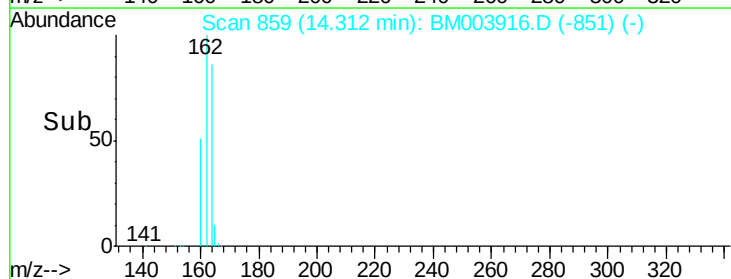


Abundance Ion 164.00 (163.70 to 164.70): BM003911.D (-855) (-)

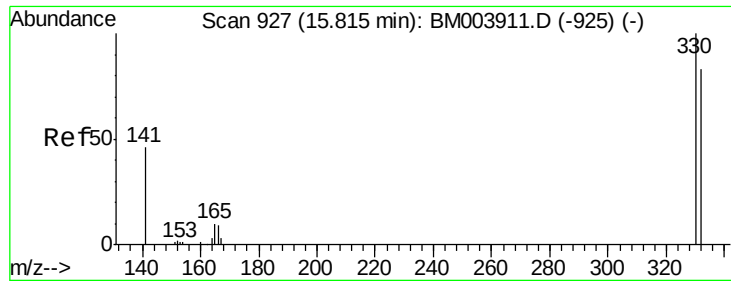
Ion 162.00 (161.70 to 162.70): BM003911.D (-855) (-)

Ion 160.00 (159.70 to 160.70): BM003911.D (-855) (-)

Time-->



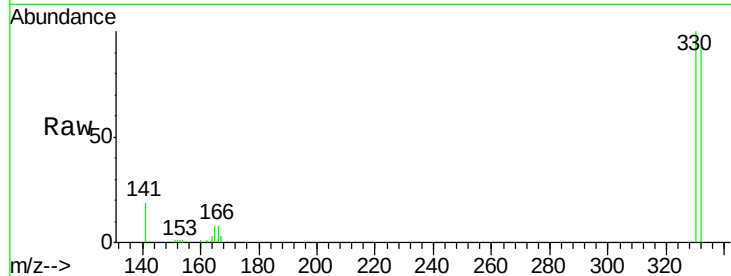
Time-->



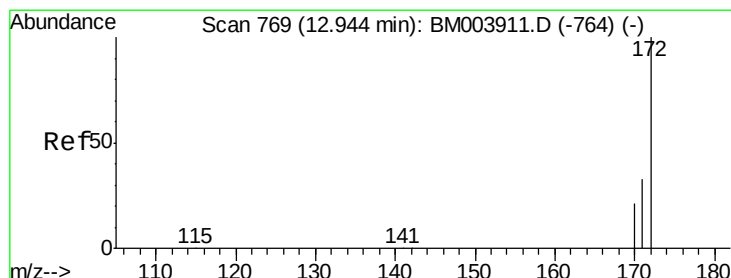
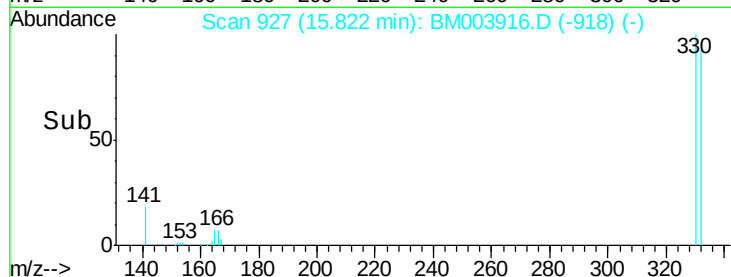
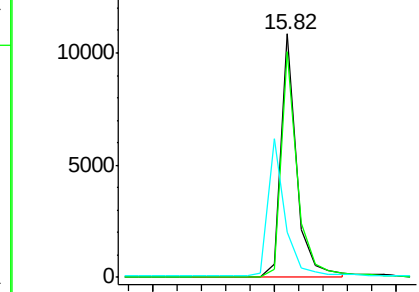
#14
 2,4,6-Tribromophenol
 Concen: 6.58 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BM003916.D
 Acq: 31 Dec 2015 16:16

Instrument :
 BNA_G
 ClientSampleId :
 PB87602BL

Tgt Ion:330 Resp: 19066
 Ion Ratio Lower Upper
 330 100
 332 95.1 79.0 118.4
 141 0.0 0.0 0.0

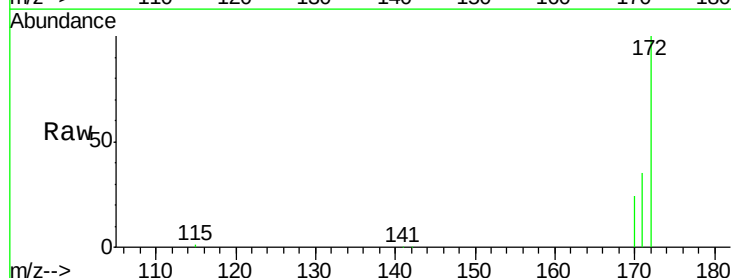


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

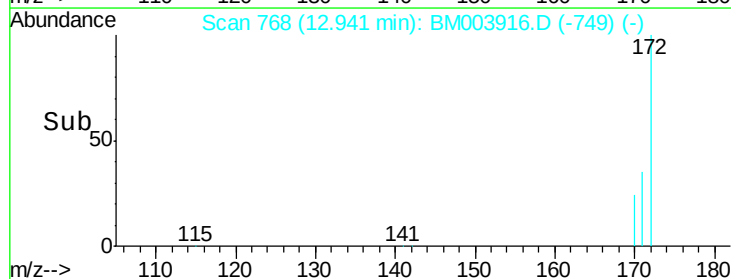
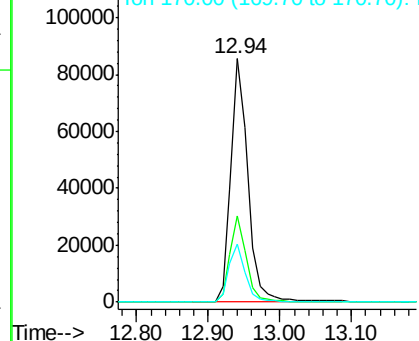


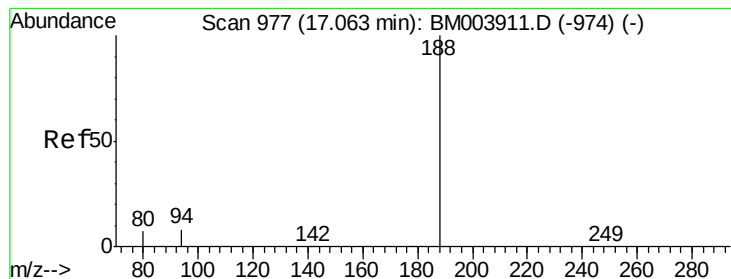
#15
 2-Fluorobiphenyl
 Concen: 4.53 ng
 RT: 12.94 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BM003916.D
 Acq: 31 Dec 2015 16:16

Tgt Ion:172 Resp: 141975
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.0 40.6
 170 24.0 17.9 26.9



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





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

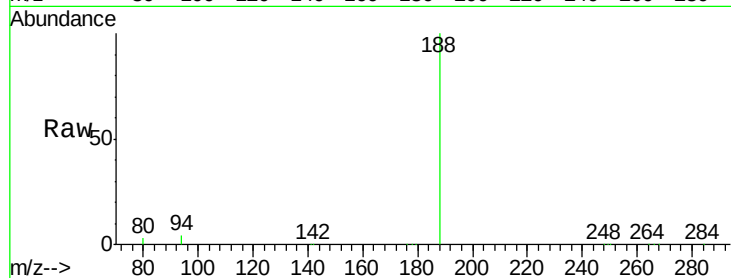
Tgt Ion:188 Resp: 233069

Ion Ratio Lower Upper

188 100

94 3.9 20.3 30.5#

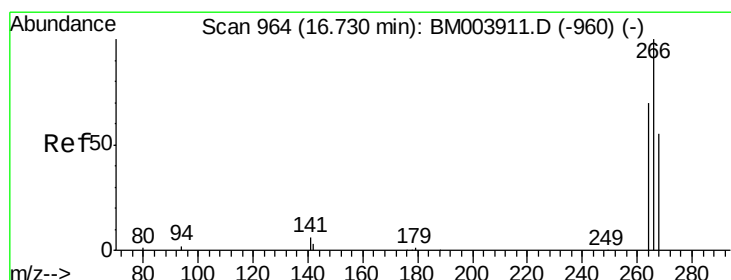
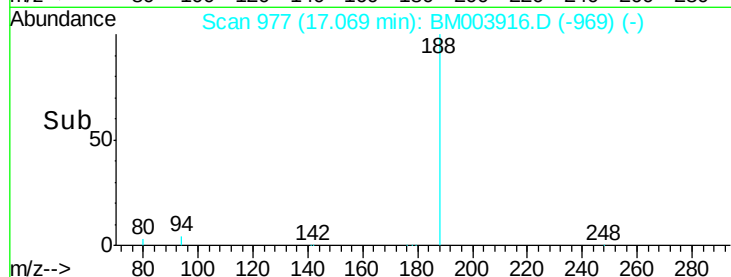
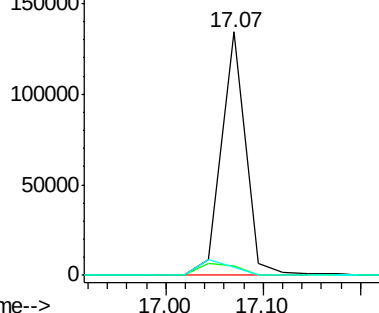
80 3.4 22.2 33.4#



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



#22

Pentachlorophenol

Concen: 0.12 ng

RT: 16.79 min Scan# 966

Delta R.T. 0.06 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

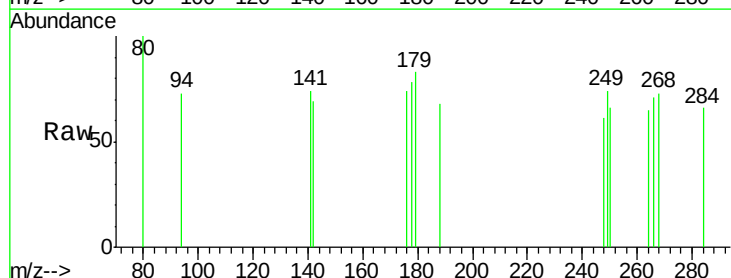
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

268 101.8 62.7 94.1#

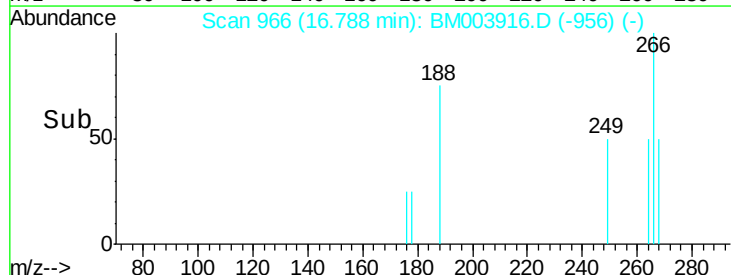
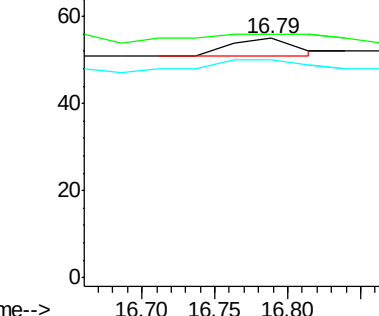
264 90.9 45.7 68.5#

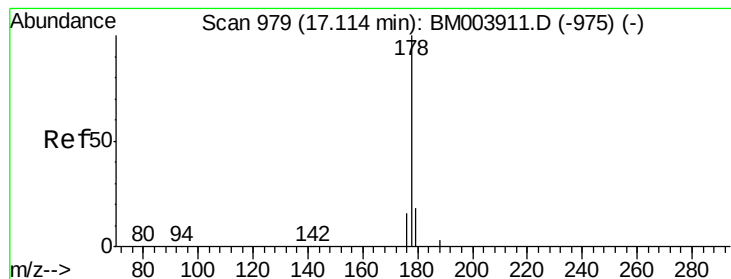


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.07 min Scan# 977

Delta R.T. -0.04 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

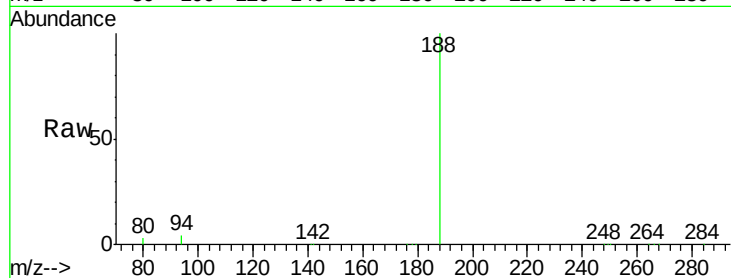
Tgt Ion:178 Resp: 172

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

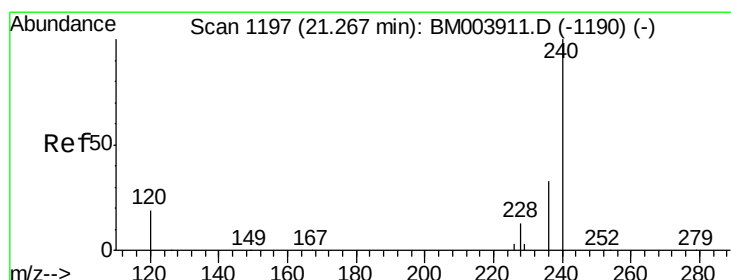
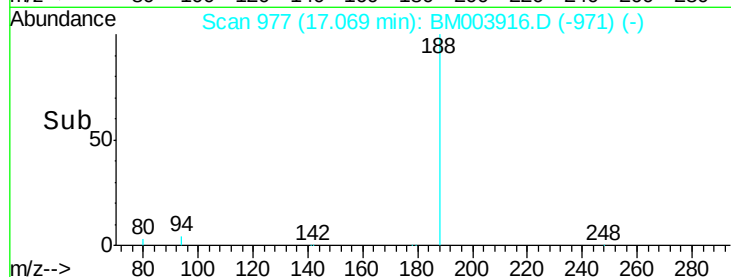
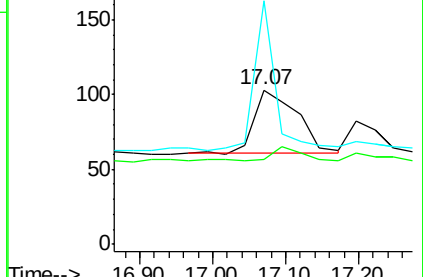
179 114.0 12.2 18.4#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

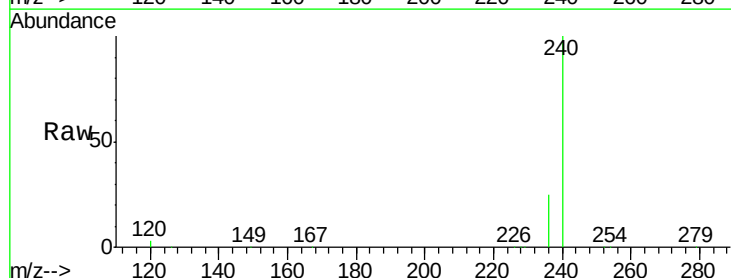
Tgt Ion:240 Resp: 146598

Ion Ratio Lower Upper

240 100

120 2.7 0.9 1.3#

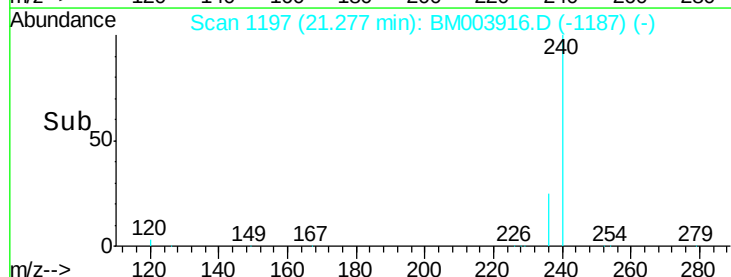
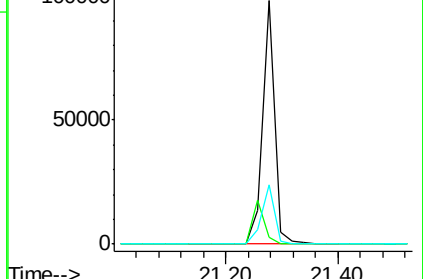
236 24.6 17.3 25.9

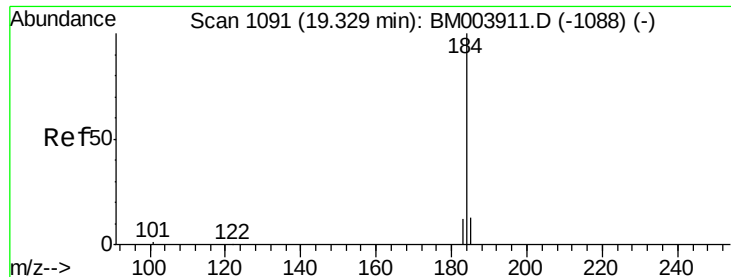


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.34 ng

RT: 19.70 min Scan# 1112

Delta R.T. 0.37 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

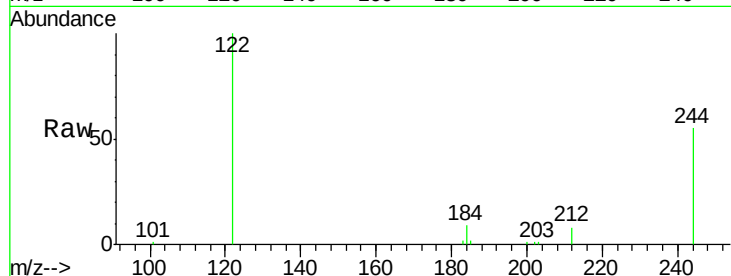
Tgt Ion:184 Resp: 2530

Ion Ratio Lower Upper

184 100

185 17.1 13.2 19.8

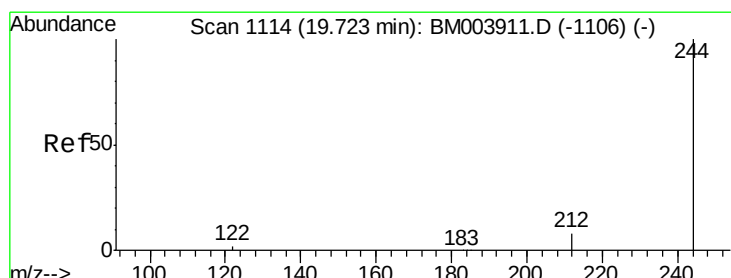
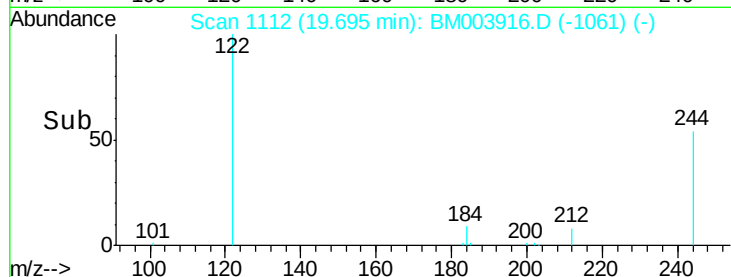
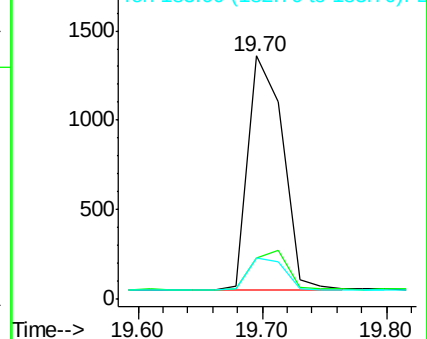
183 17.1 9.0 13.6#



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: 4.90 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

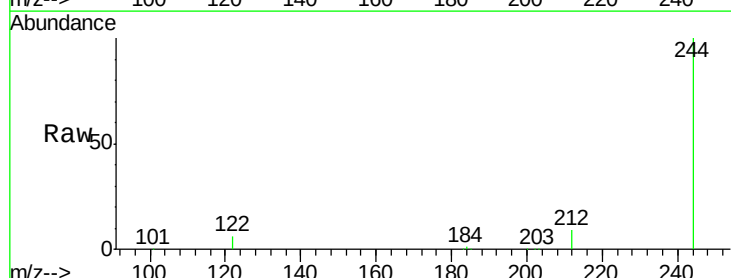
Tgt Ion:244 Resp: 116252

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.6

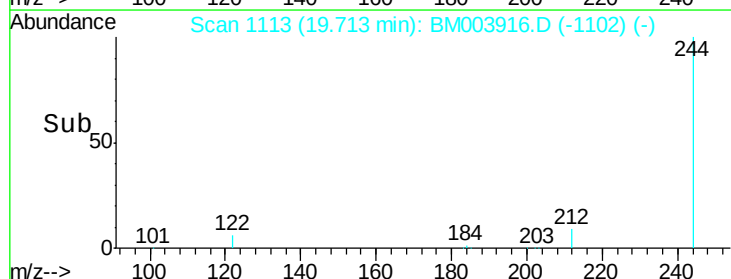
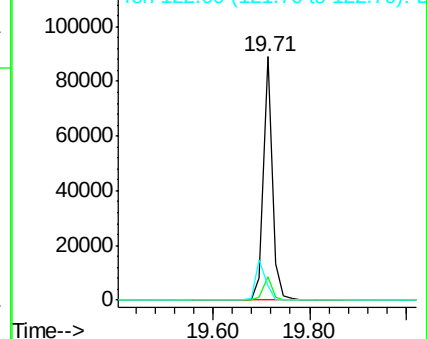
122 5.8 3.0 4.6#

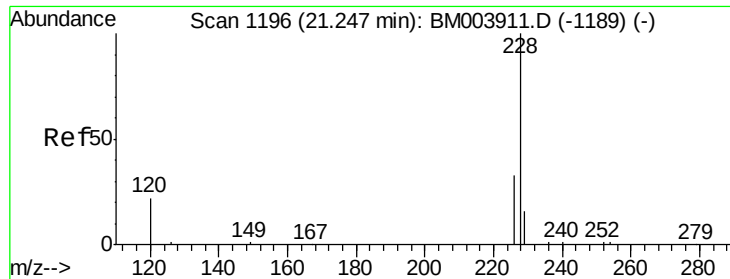


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.26 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

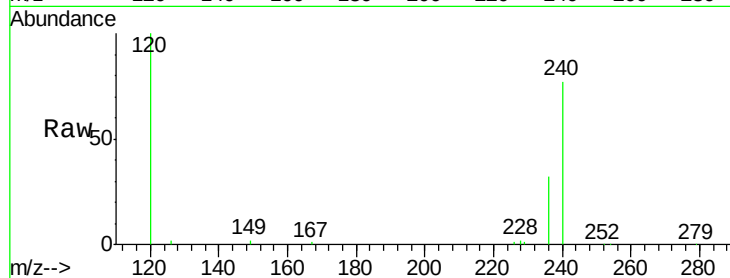
Tgt Ion:228 Resp: 988

Ion Ratio Lower Upper

228 100

226 34.0 17.2 25.8#

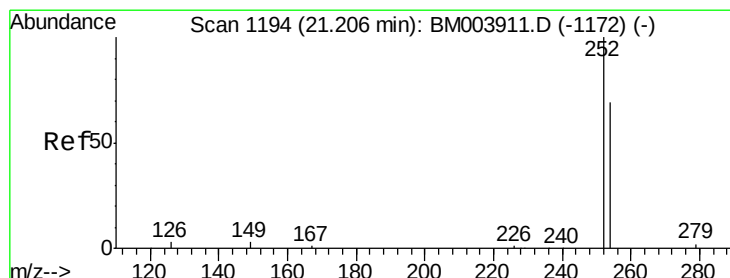
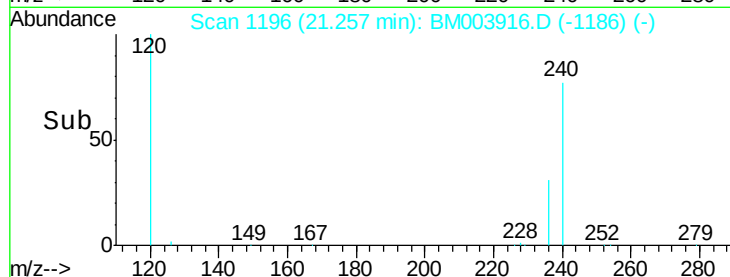
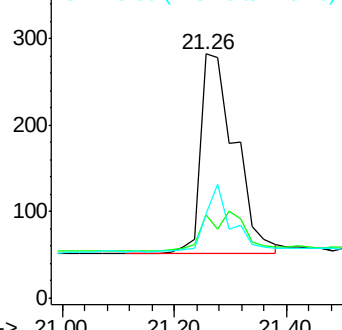
229 34.4 18.7 28.1#



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: 21.22 min Scan# 1194

Delta R.T. 0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

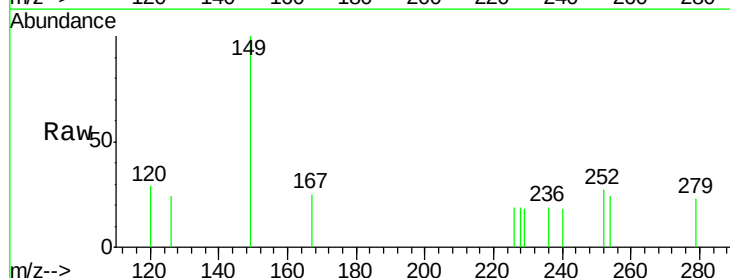
Tgt Ion:252 Resp: 81

Ion Ratio Lower Upper

252 100

254 85.7 52.6 79.0#

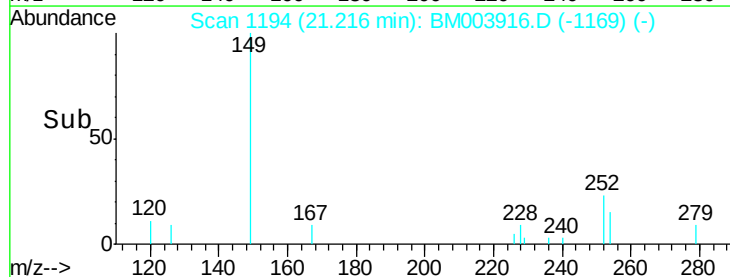
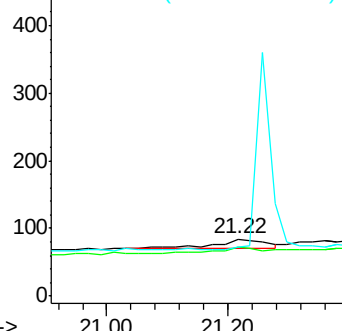
126 85.7 3.7 5.5#

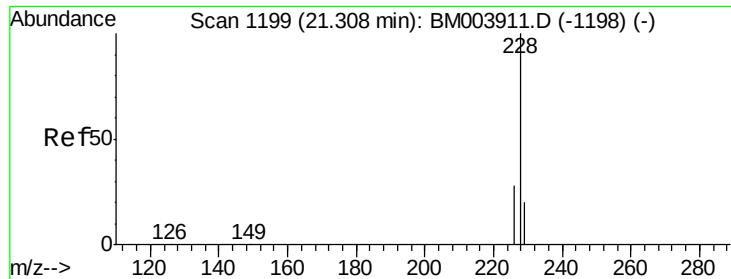


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.02 ng

RT: 21.26 min Scan# 1196

Delta R.T. -0.05 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL

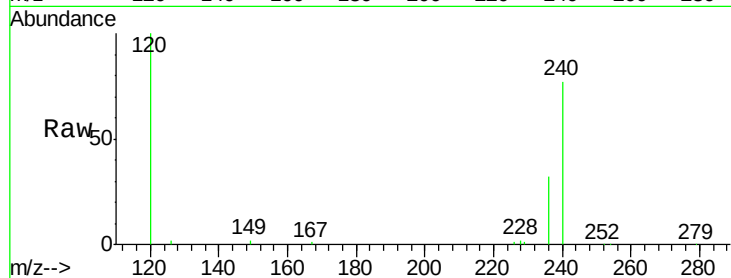
Tgt Ion: 228 Resp: 1013

Ion Ratio Lower Upper

228 100

226 34.0 25.3 37.9

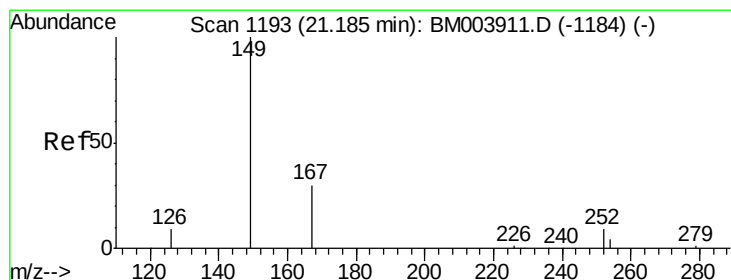
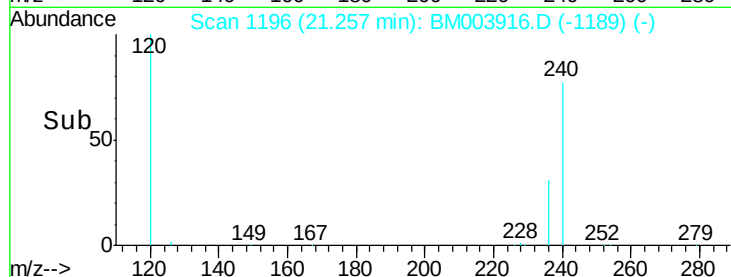
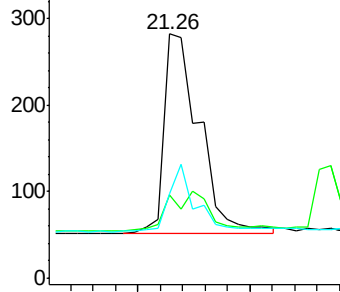
229 34.4 14.5 21.7#



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: 21.17 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM003916.D

Acq: 31 Dec 2015 16:16

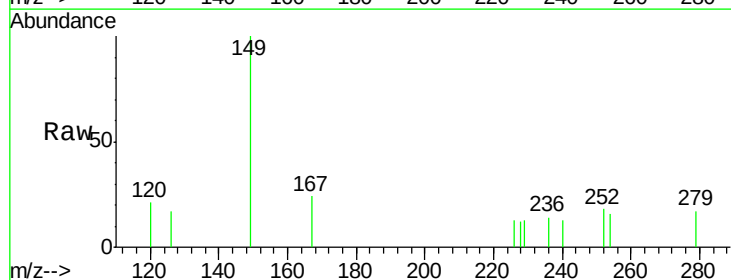
Tgt Ion: 149 Resp: 452

Ion Ratio Lower Upper

149 100

167 12.2 20.1 30.1#

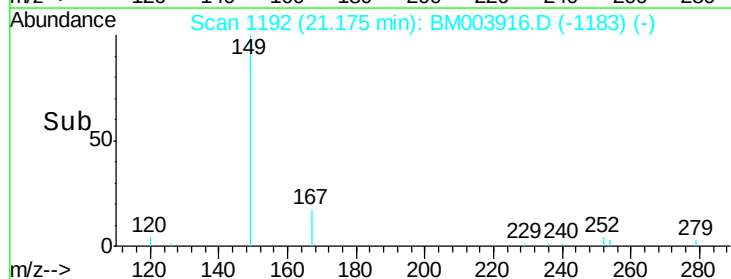
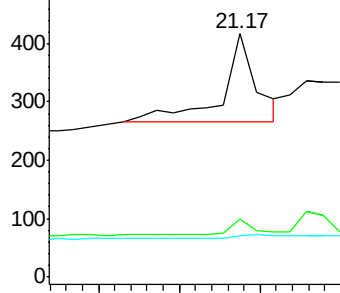
279 0.0 0.0 0.0

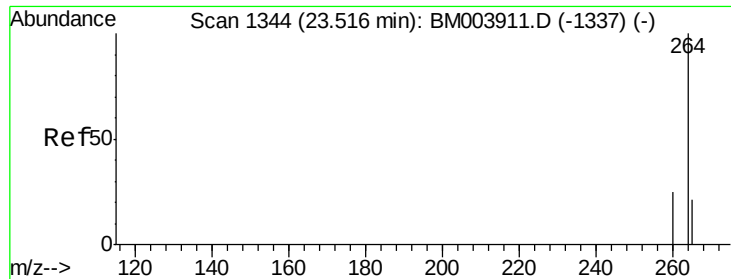


Abundance Ion 149.00 (148.70 to 149.70): E

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# 1344

Delta R.T. 0.00 min

Lab File: BM003916.D

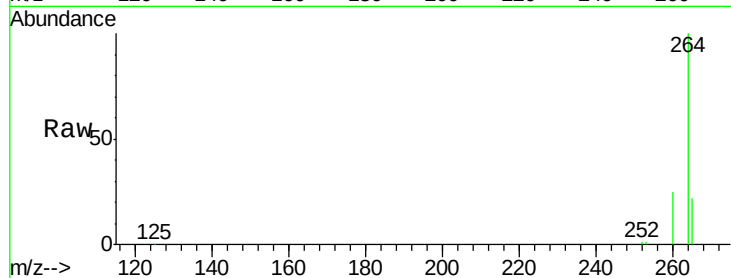
Acq: 31 Dec 2015 16:16

Instrument :

BNA_G

ClientSampleId :

PB87602BL



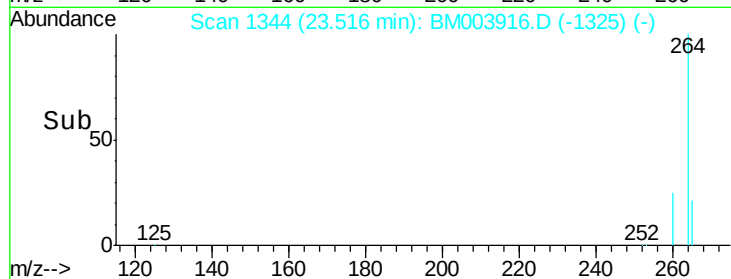
Tgt Ion: 264 Resp: 104135

Ion Ratio Lower Upper

264 100

260 24.8 21.2 31.8

265 22.3 16.7 25.1



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

