

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
 Data File : BM003324.D
 Acq On : 30 Nov 2015 18:24
 Operator : UM/IZ
 Sample : PB86824BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB86824BL

Quant Time: Dec 01 02:47:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 27 16:36:40 2015
 Response via : Initial Calibration

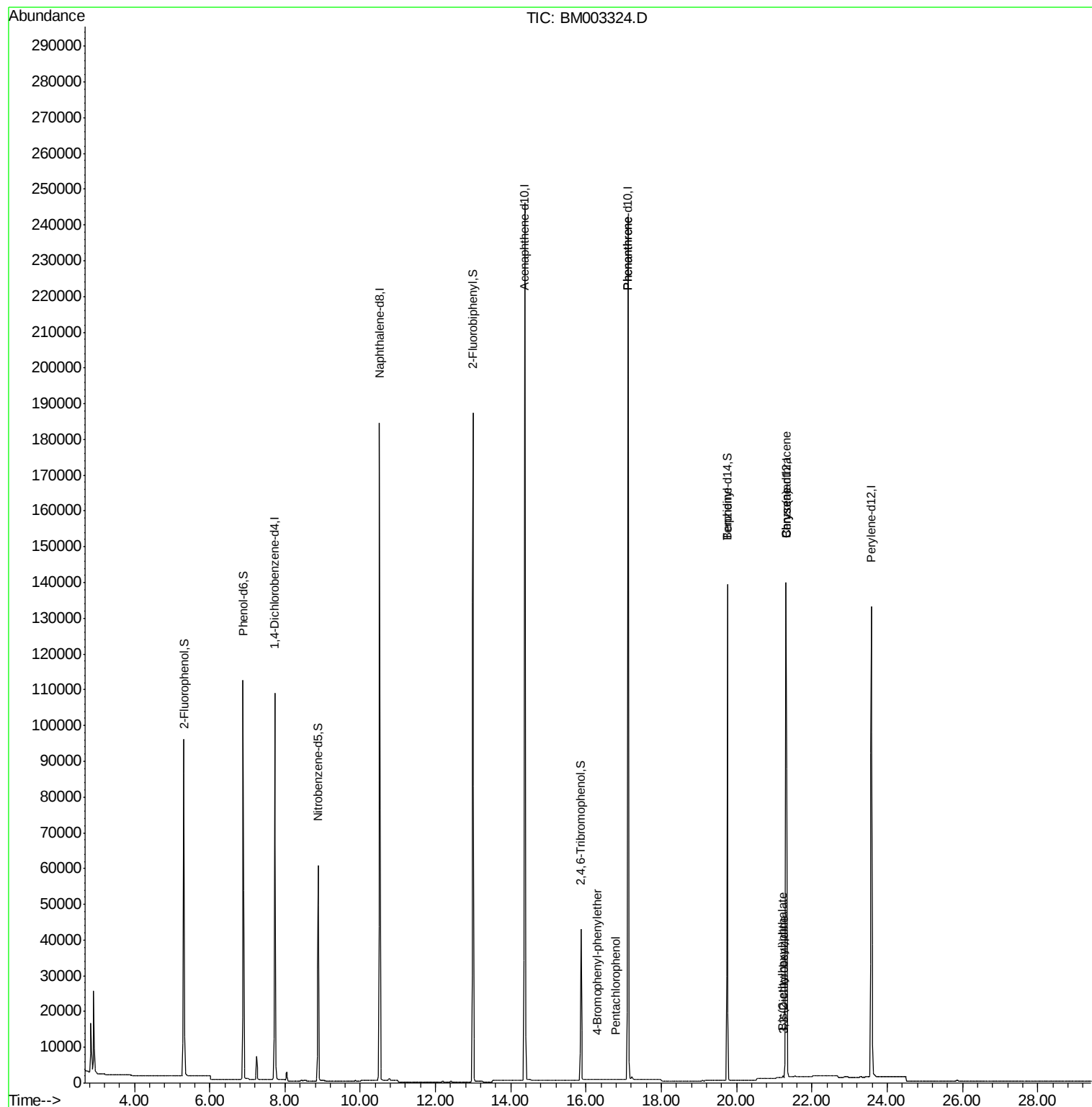
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	61261	5.00	ng	-0.02
7) Naphthalene-d8	10.51	136	256332	5.00	ng	-0.02
13) Acenaphthene-d10	14.37	164	146485	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	350249	5.00	ng	0.00
26) Chrysene-d12	21.31	240	190021	5.00	ng	-0.01
35) Perylene-d12	23.58	264	173657	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	102431	8.48	ng	0.00
5) Phenol-d6	6.88	99	130482	9.41	ng	-0.02
8) Nitrobenzene-d5	8.88	82	53560	4.70	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	31042	9.10	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	177963	3.76	ng	0.00
29) Terphenyl-d14	19.76	244	145506	5.49	ng	0.00
Target Compounds						
20) 4-Bromophenyl-phenylether	16.30	248	6	0.21	ng	# 1
22) Pentachlorophenol	16.78	266	37	0.10	ng	# 62
23) Phenanthrene	17.11	178	299	0.10	ng	# 1
27) Benzidine	19.76	184	3204	0.52	ng	# 78
30) Benzo(a)anthracene	21.31	228	1015	0.02	ng	# 87
31) 3,3'-Dichlorobenzidine	21.25	252	46	0.17	ng	# 68
32) Chrysene	21.31	228	991	0.03	ng	# 75
33) Bis(2-ethylhexyl)phthalate	21.23	149	901	0.04	ng	# 96

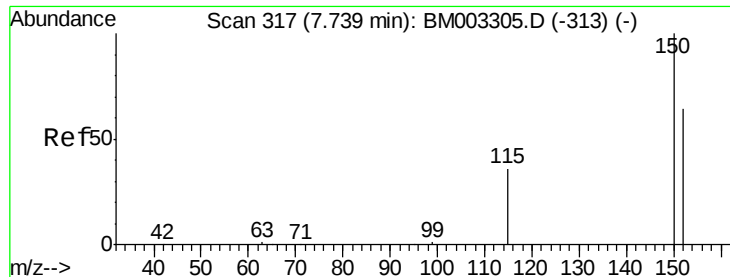
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration

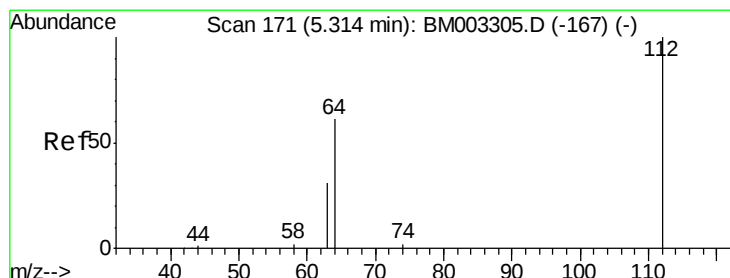
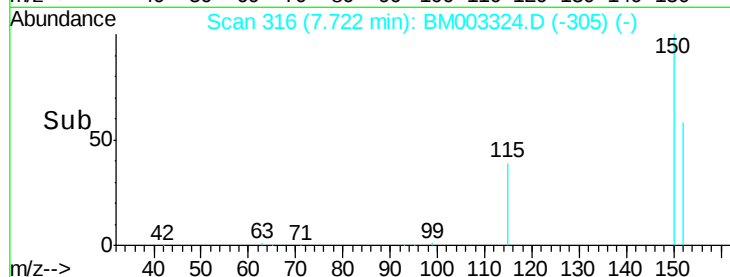
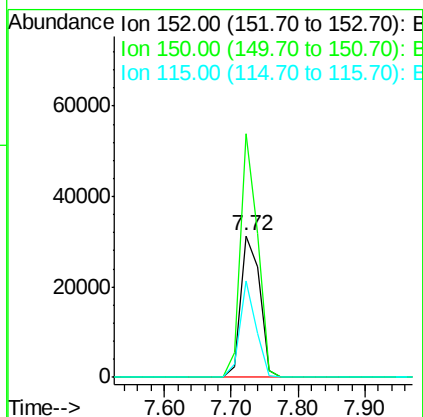
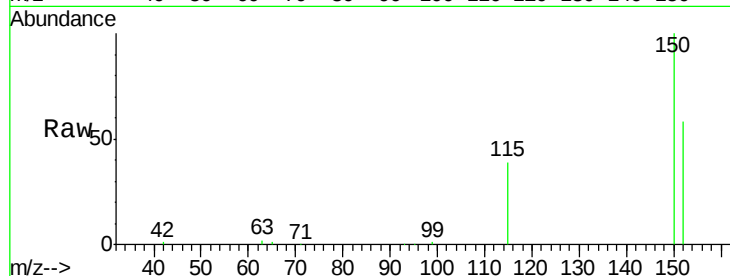




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.72 min Scan# 316
 Delta R.T. -0.02 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

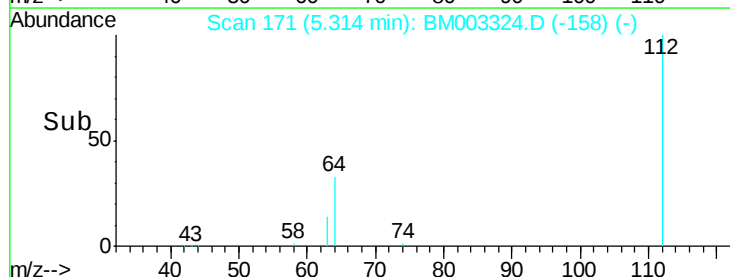
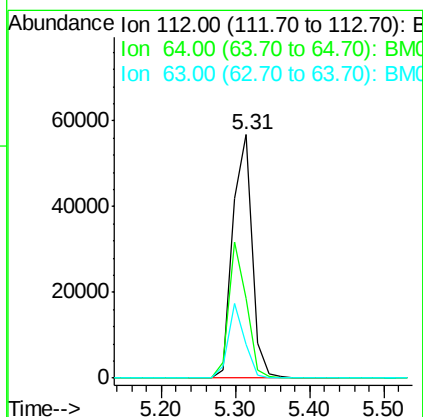
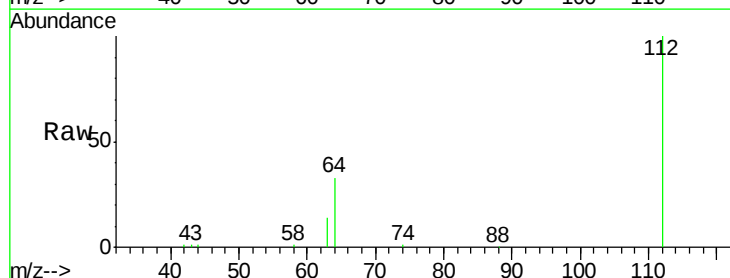
Instrument :
 BNA_M
 ClientSampleId :
 PB86824BL

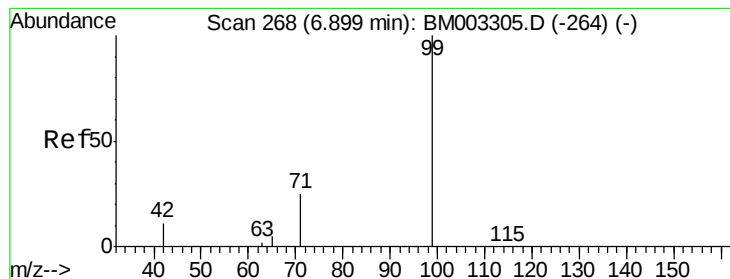
Tgt Ion:152 Resp: 61261
 Ion Ratio Lower Upper
 152 100
 150 172.2 143.6 215.4
 115 68.0 58.5 87.7



#4
 2-Fluorophenol
 Concen: 8.48 ng
 RT: 5.31 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

Tgt Ion:112 Resp: 102431
 Ion Ratio Lower Upper
 112 100
 64 51.2 41.2 61.8
 63 26.4 21.2 31.8





#5

Phenol-d6

Concen: 9.41 ng

RT: 6.88 min Scan# 267

Delta R.T. -0.02 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

BNA_M

ClientSampleId :

PB86824BL

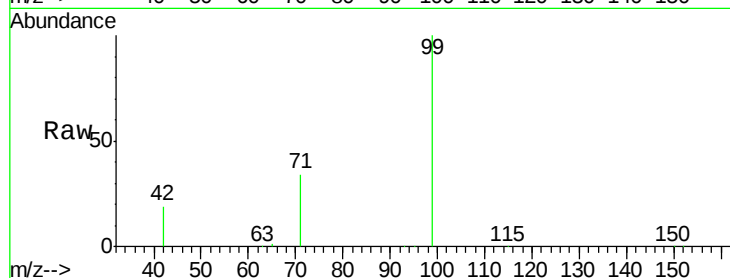
Tgt Ion: 99 Resp: 130482

Ion Ratio Lower Upper

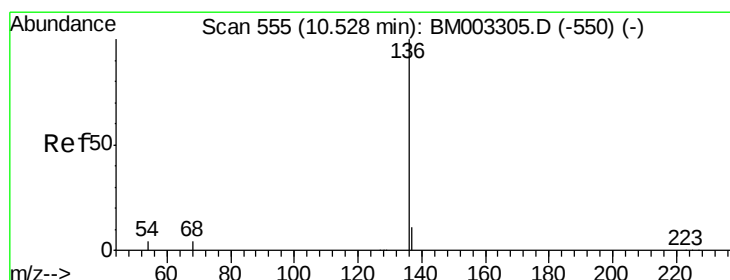
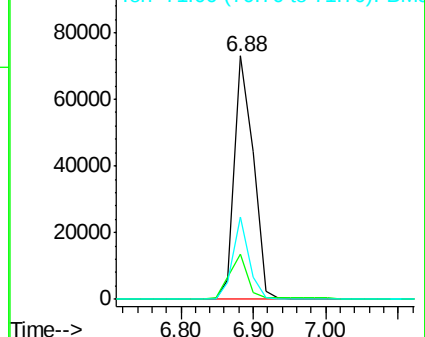
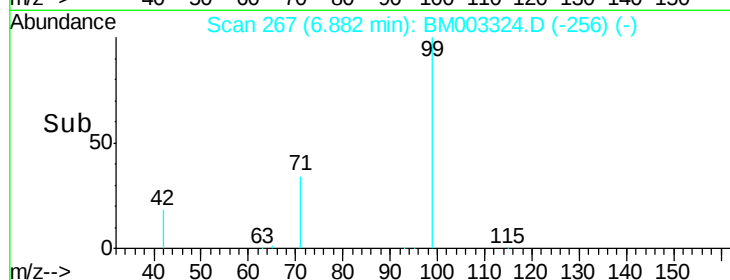
99 100

42 17.0 14.6 22.0

71 28.9 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003324.D (-256) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. -0.02 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Tgt Ion: 136 Resp: 256332

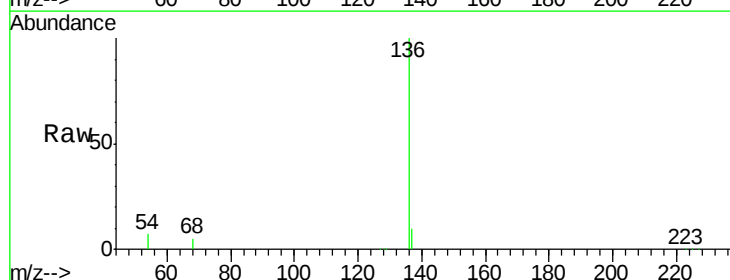
Ion Ratio Lower Upper

136 100

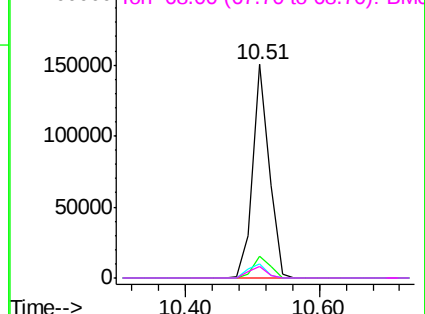
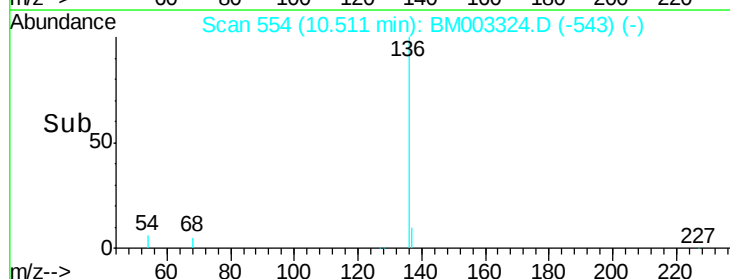
137 10.5 8.0 12.0

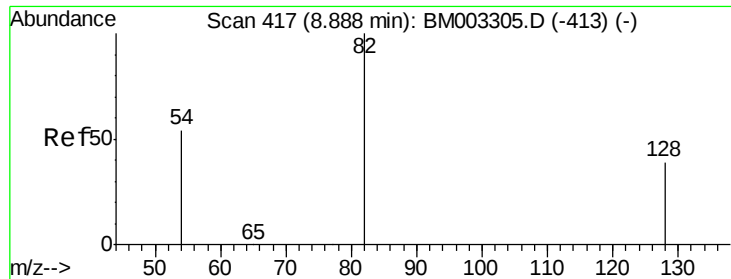
54 6.6 7.4 11.0#

68 5.4 5.8 8.6#



Abundance Ion 136.00 (135.70 to 136.70): BM003324.D (-543) (-)





#8

Nitrobenzene-d5

Concen: 4.70 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

BNA_M

ClientSampleId :

PB86824BL

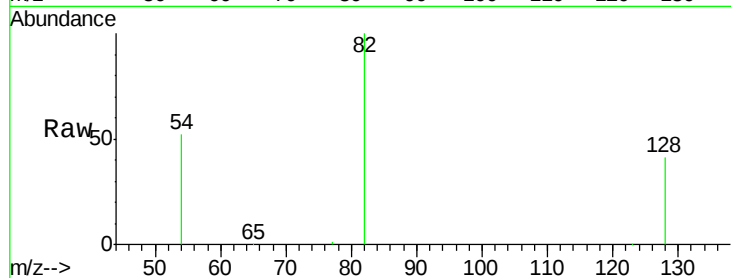
Tgt Ion: 82 Resp: 53560

Ion Ratio Lower Upper

82 100

128 41.4 35.2 52.8

54 52.0 36.4 54.6

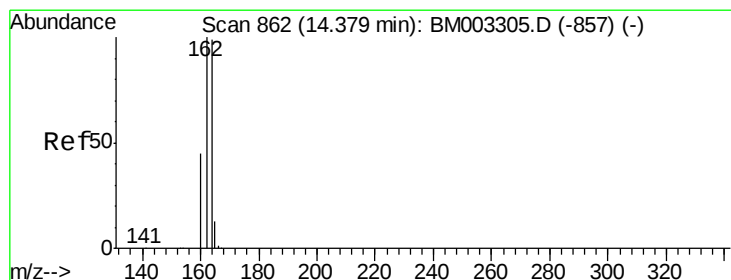
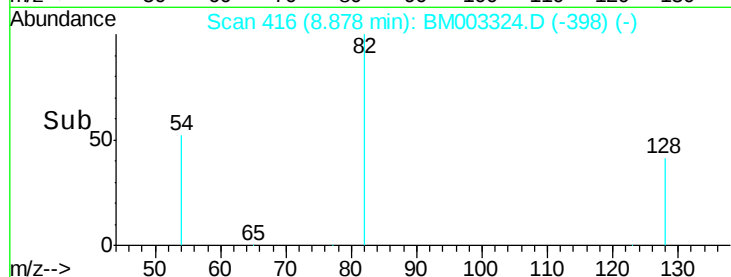


Abundance Ion 82.00 (81.70 to 82.70): BM003305.D (-413) (-)

Ion 128.00 (127.70 to 128.70): BM003305.D (-413) (-)

Ion 54.00 (53.70 to 54.70): BM003305.D (-413) (-)

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

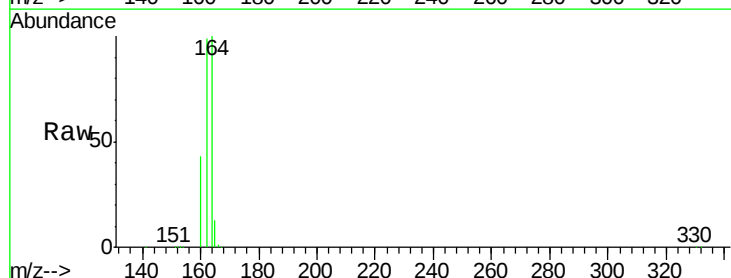
Tgt Ion: 164 Resp: 146485

Ion Ratio Lower Upper

164 100

162 98.9 78.3 117.5

160 43.5 33.8 50.6

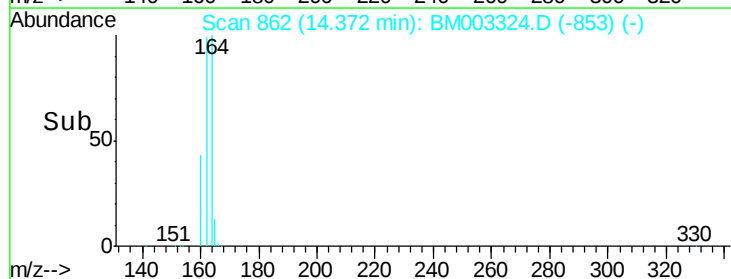


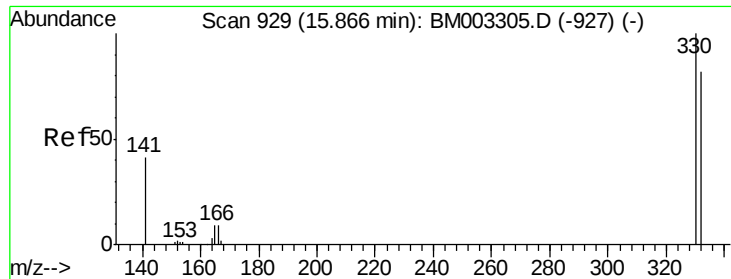
Abundance Ion 164.00 (163.70 to 164.70): BM003305.D (-857) (-)

Ion 162.00 (161.70 to 162.70): BM003305.D (-857) (-)

Ion 160.00 (159.70 to 160.70): BM003305.D (-857) (-)

Time-->

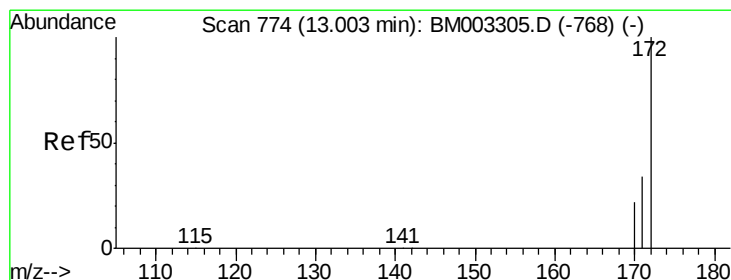
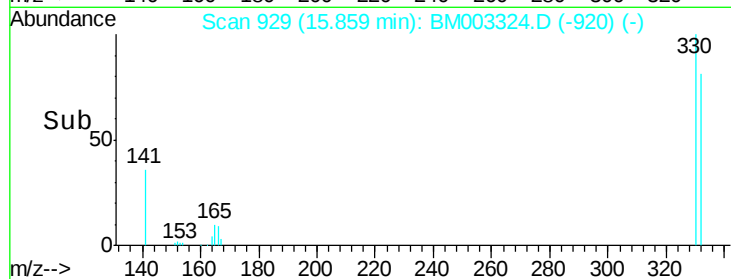
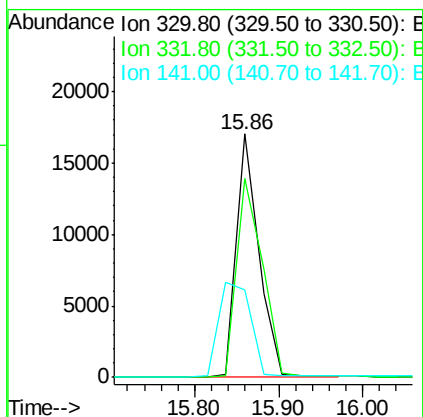
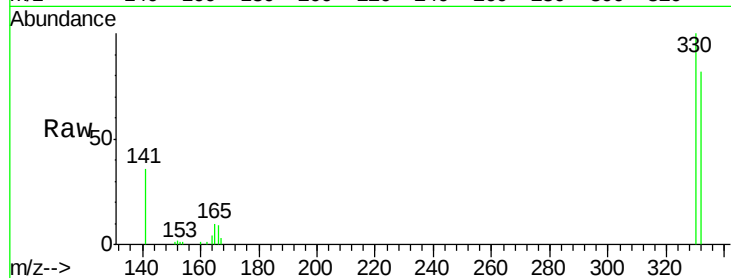




#14
 2,4,6-Tribromophenol
 Concen: 9.10 ng
 RT: 15.86 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

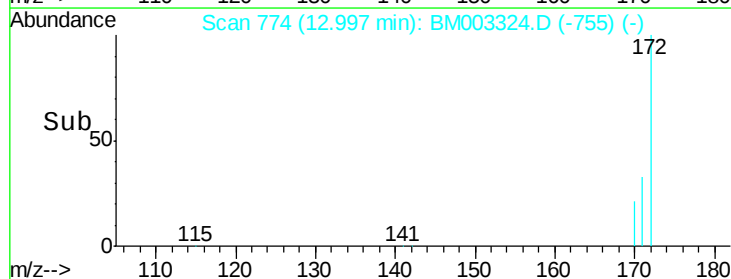
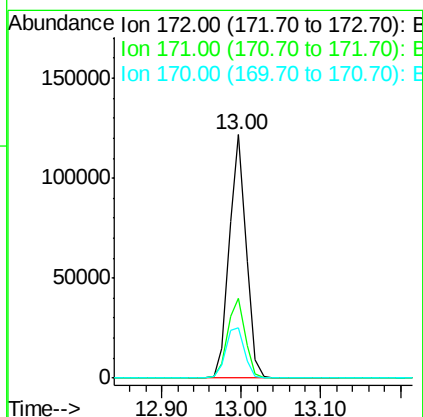
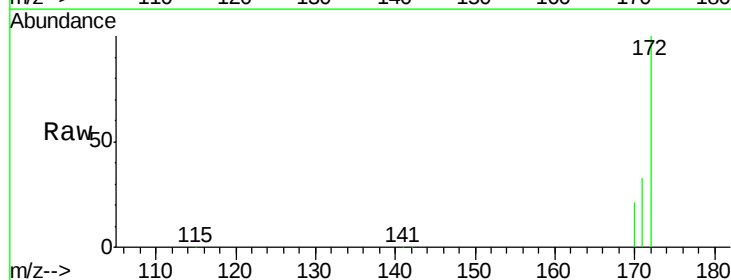
Instrument :
 BNA_M
 ClientSampleId :
 PB86824BL

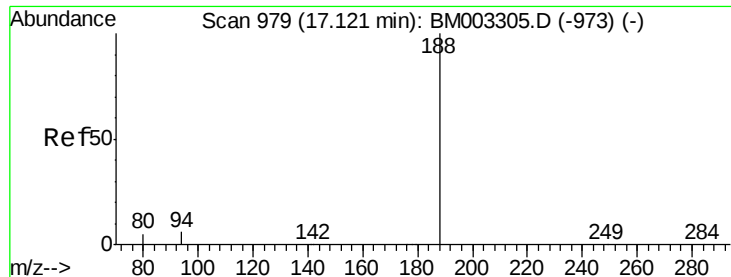
Tgt Ion:330 Resp: 31042
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.0 114.0
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 3.76 ng
 RT: 13.00 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

Tgt Ion:172 Resp: 177963
 Ion Ratio Lower Upper
 172 100
 171 32.6 28.0 42.0
 170 20.7 18.9 28.3





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

BNA_M

ClientSampleId :

PB86824BL

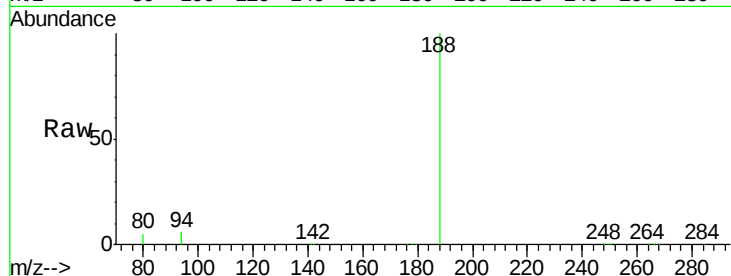
Tgt Ion:188 Resp: 350249

Ion Ratio Lower Upper

188 100

94 5.6 1.8 2.6#

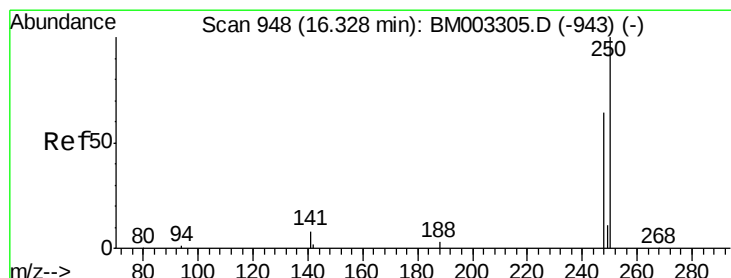
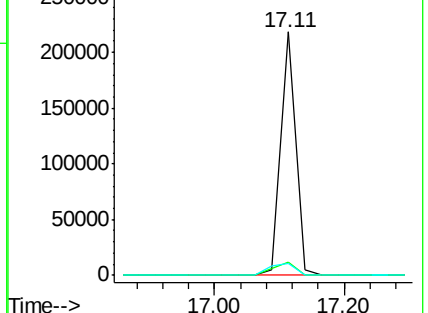
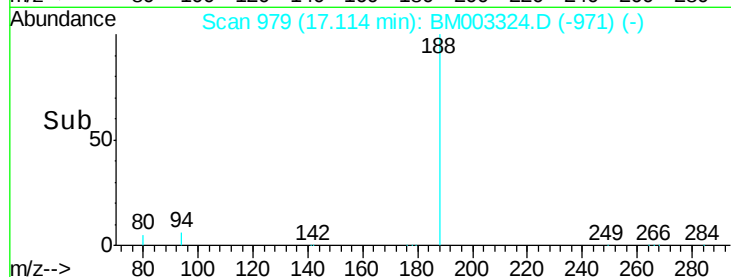
80 4.7 1.4 2.0#



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



#20

4-Bromophenyl-phenylether

Concen: 0.21 ng

RT: 16.30 min Scan# 947

Delta R.T. -0.03 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

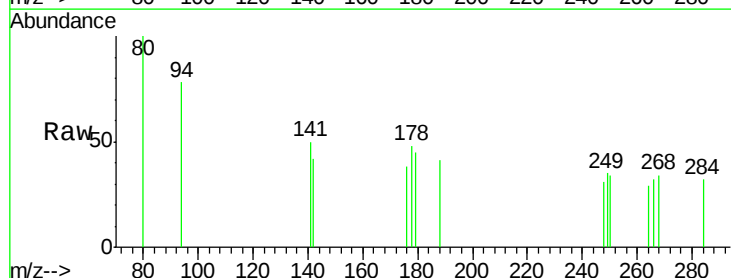
Tgt Ion:248 Resp: 6

Ion Ratio Lower Upper

248 100

250 0.0 65.4 98.0#

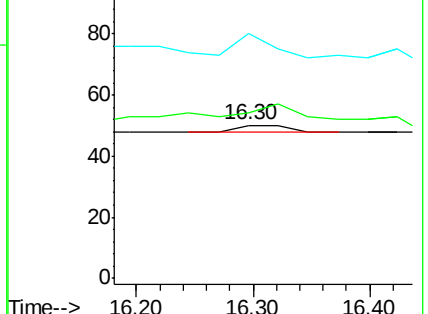
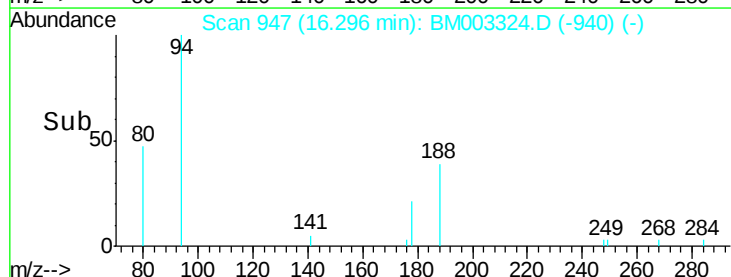
141 300.0 72.8 109.2#

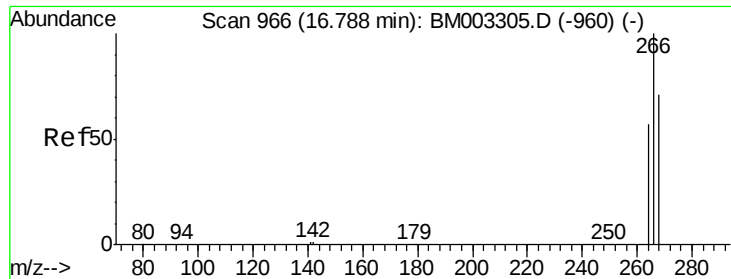


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.10 ng

RT: 16.78 min Scan# 966

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

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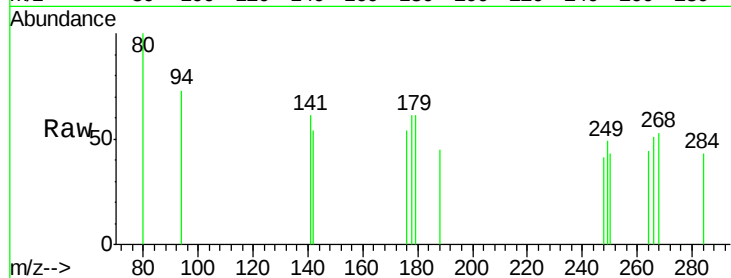
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

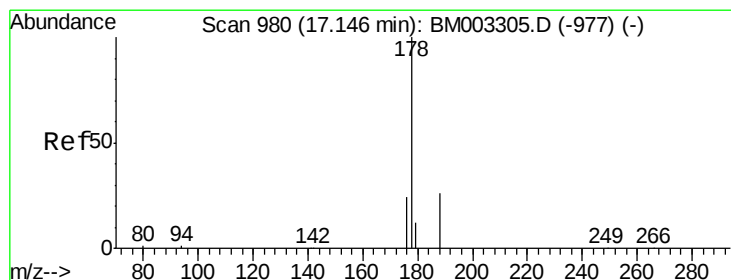
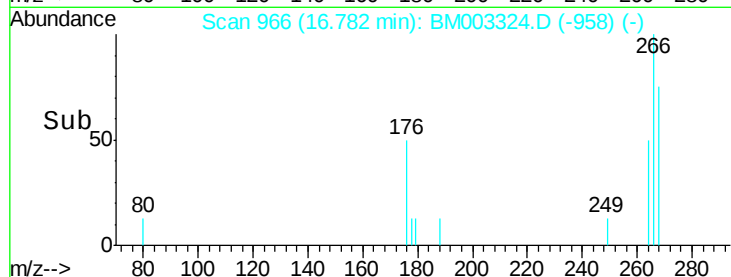
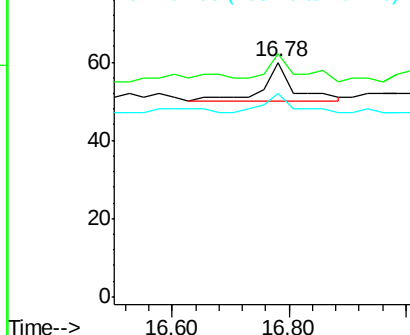
266 100

268 103.3 45.8 68.8#

264 86.7 56.7 85.1#



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: 0.10 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.03 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

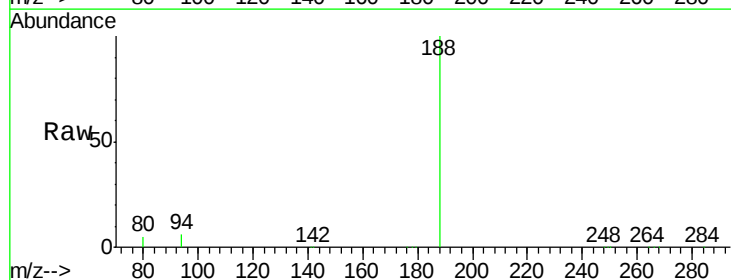
Tgt Ion:178 Resp: 299

Ion Ratio Lower Upper

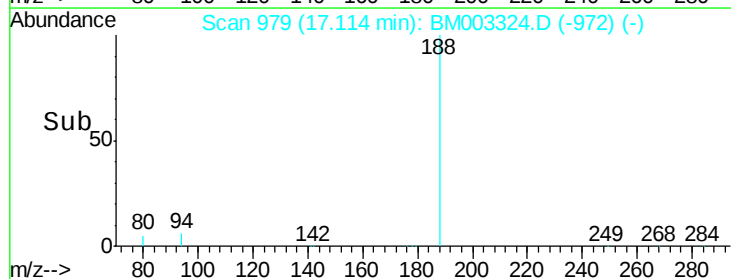
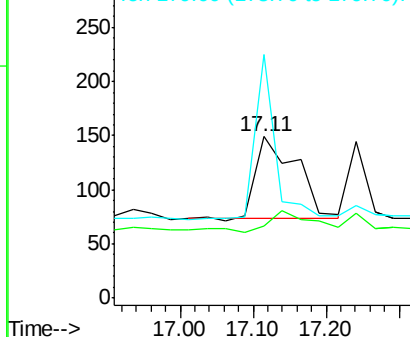
178 100

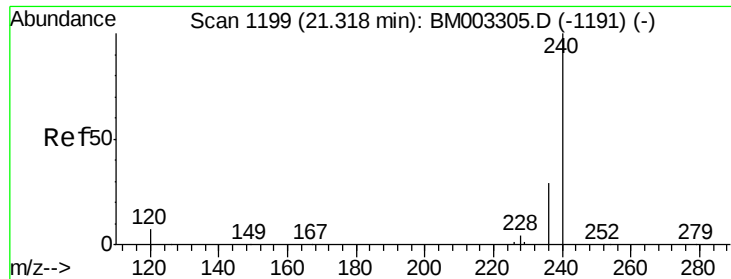
176 0.0 15.9 23.9#

179 101.7 11.7 17.5#



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: 21.31 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

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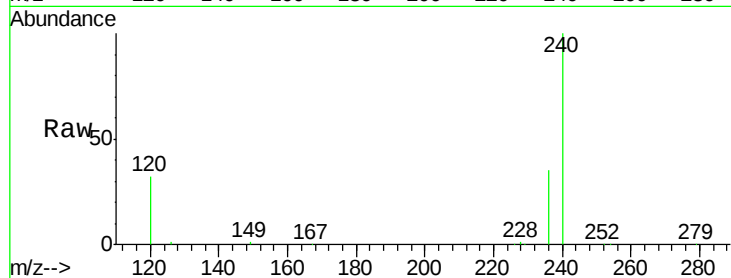
Tgt Ion:240 Resp: 190021

Ion Ratio Lower Upper

240 100

120 32.2 1.0 1.4#

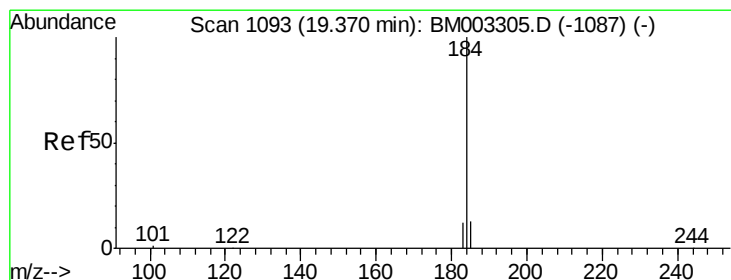
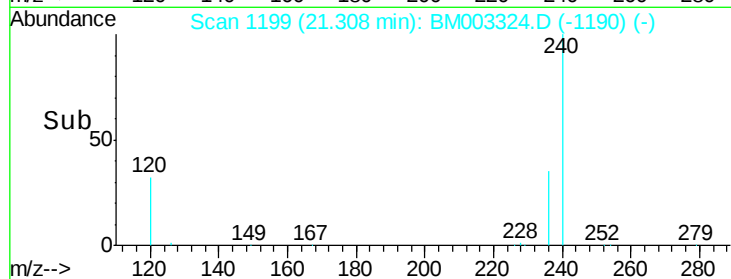
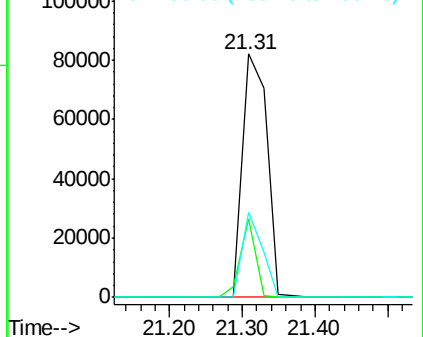
236 35.1 17.9 26.9#



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: 0.52 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.39 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

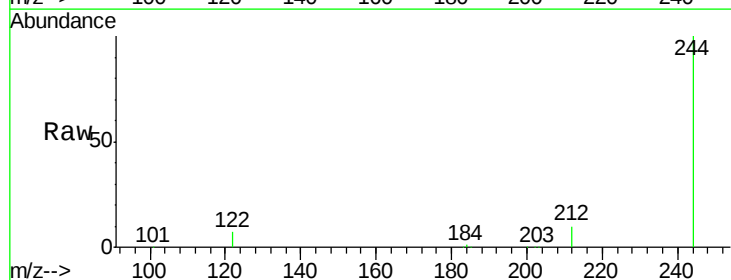
Tgt Ion:184 Resp: 3204

Ion Ratio Lower Upper

184 100

185 24.5 11.6 17.4#

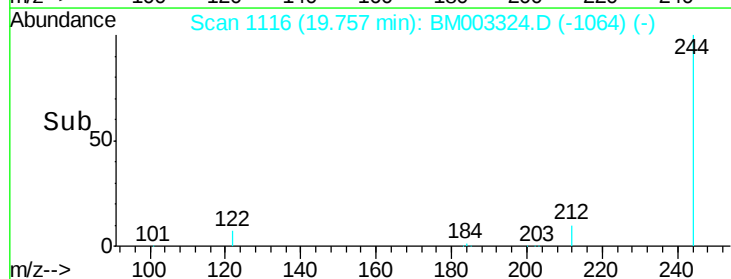
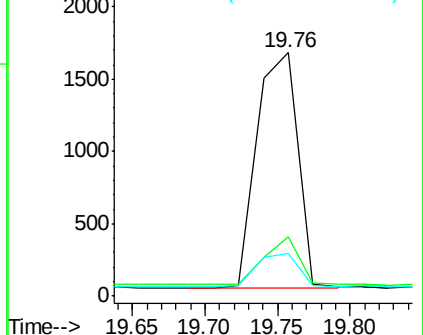
183 17.6 8.6 13.0#

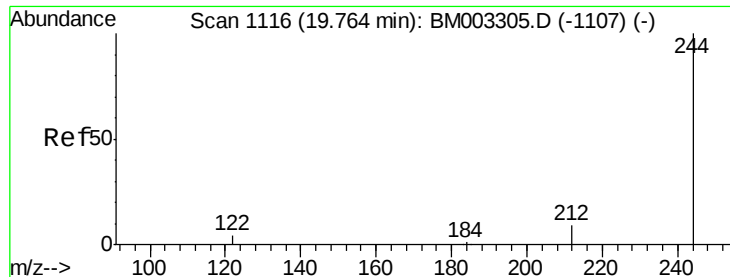


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 5.49 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

BNA_M

ClientSampleId :

PB86824BL

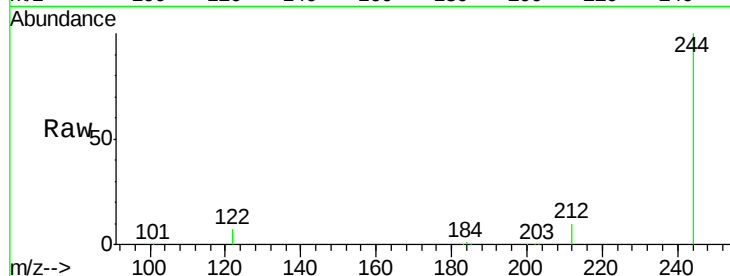
Tgt Ion:244 Resp: 145506

Ion Ratio Lower Upper

244 100

212 10.0 6.5 9.7#

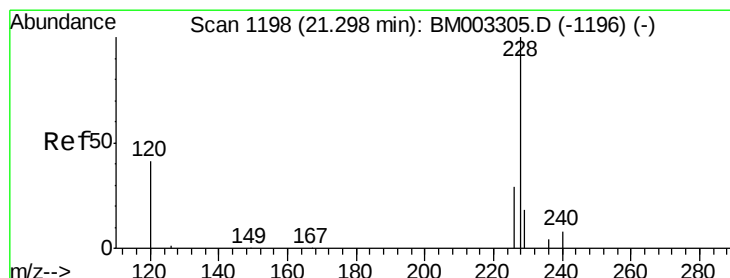
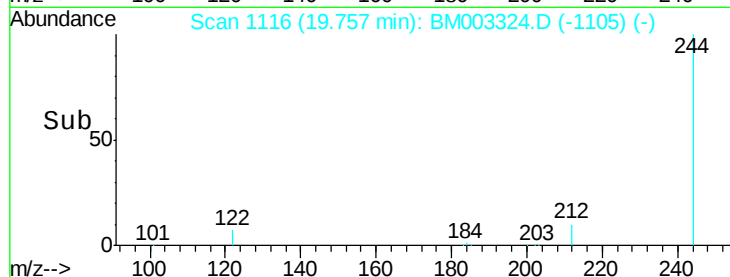
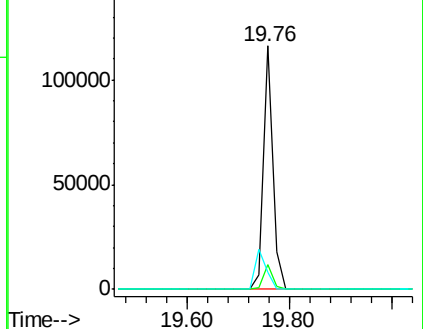
122 6.9 2.0 3.0#



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



#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

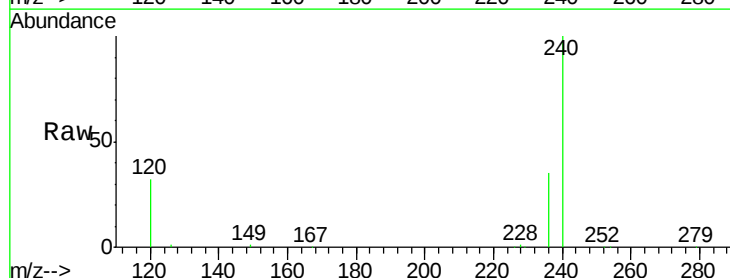
Tgt Ion:228 Resp: 1015

Ion Ratio Lower Upper

228 100

226 21.4 17.8 26.6

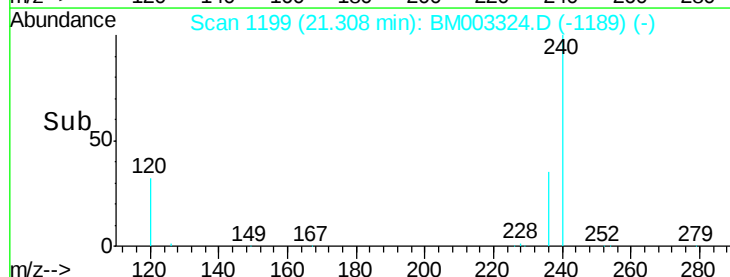
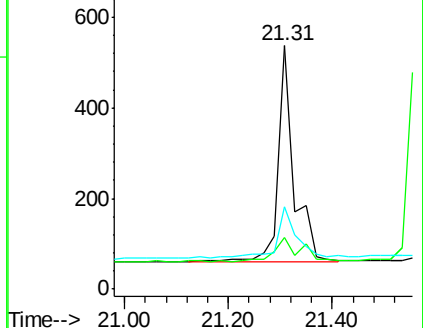
229 33.9 18.0 27.0#

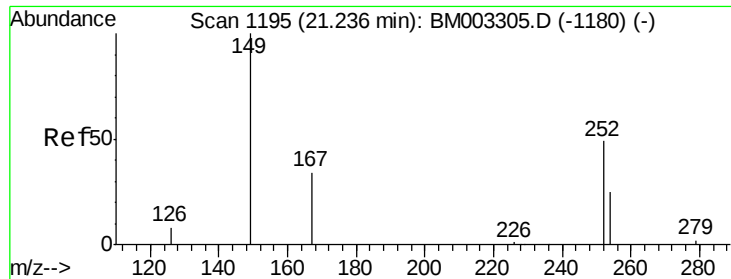


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

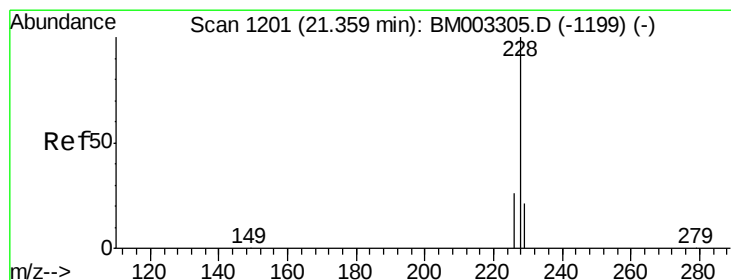
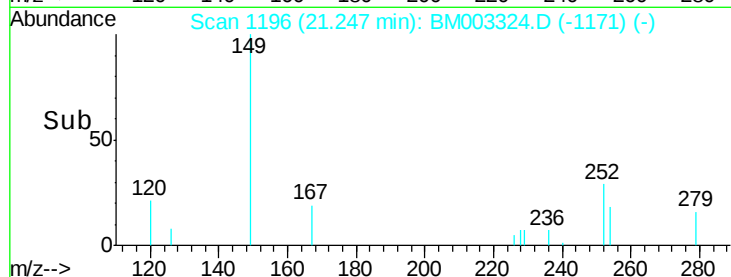
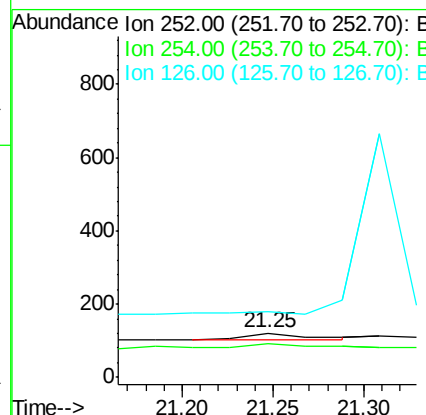
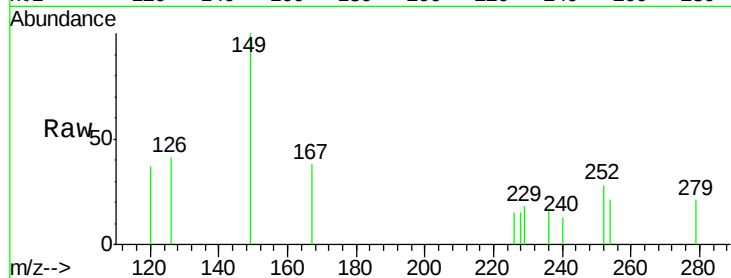




#31
 3,3'-Dichlorobenzidine
 Concen: 0.17 ng
 RT: 21.25 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

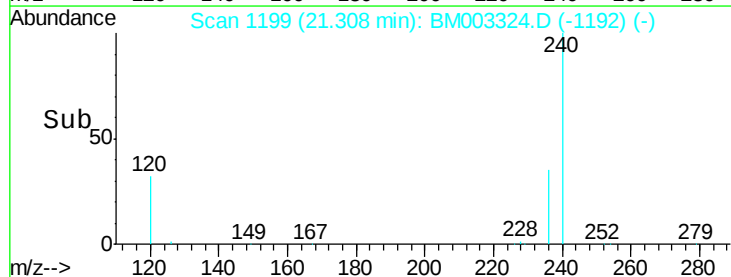
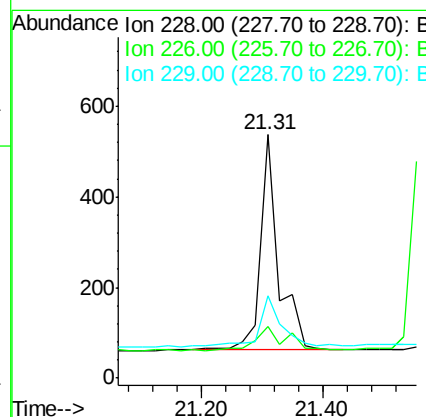
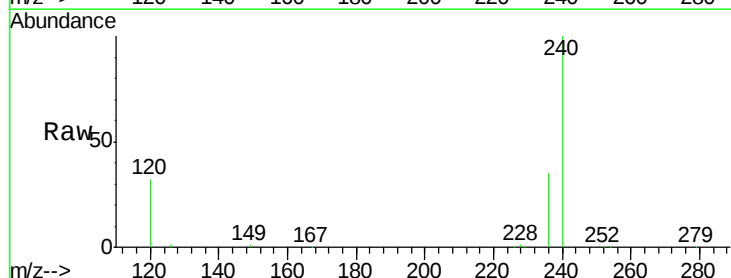
Instrument :
 BNA_M
 ClientSampleId :
 PB86824BL

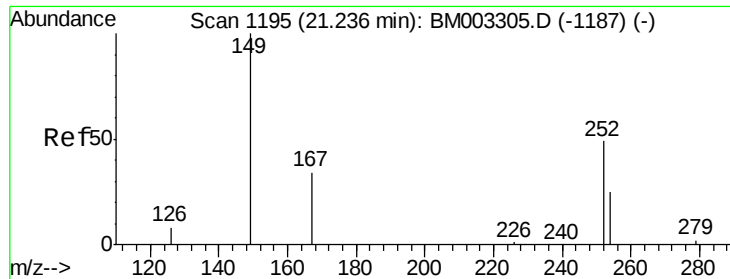
Tgt Ion: 252 Resp: 46
 Ion Ratio Lower Upper
 252 100
 254 75.8 53.7 80.5
 126 148.3 2.8 4.2#



#32
 Chrysene
 Concen: 0.03 ng
 RT: 21.31 min Scan# 1199
 Delta R.T. -0.05 min
 Lab File: BM003324.D
 Acq: 30 Nov 2015 18:24

Tgt Ion: 228 Resp: 991
 Ion Ratio Lower Upper
 228 100
 226 21.4 25.5 38.3#
 229 33.9 14.3 21.5#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

Instrument :

BNA_M

ClientSampleId :

PB86824BL

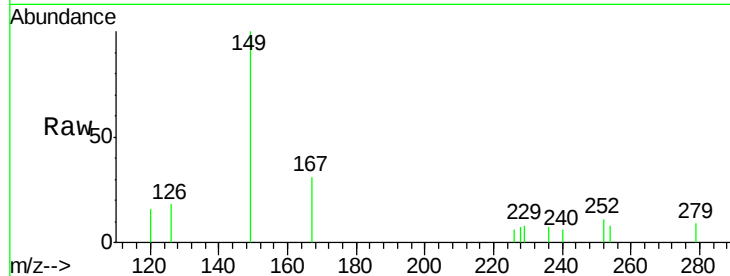
Tgt Ion:149 Resp: 901

Ion Ratio Lower Upper

149 100

167 22.6 19.6 29.4

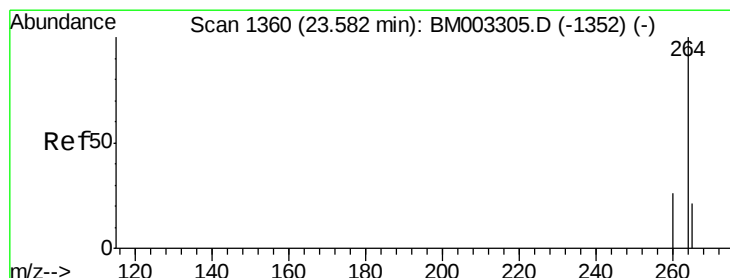
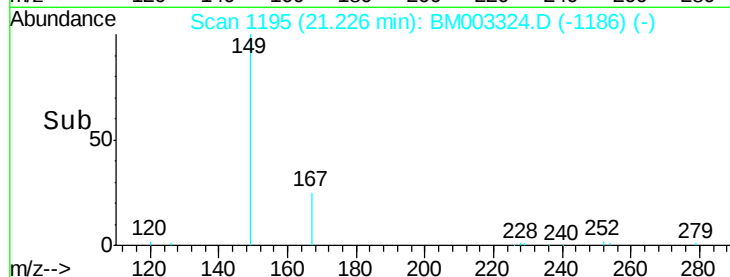
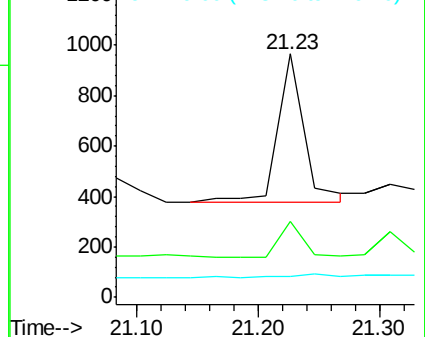
279 0.0 0.0 0.0



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: 23.58 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BM003324.D

Acq: 30 Nov 2015 18:24

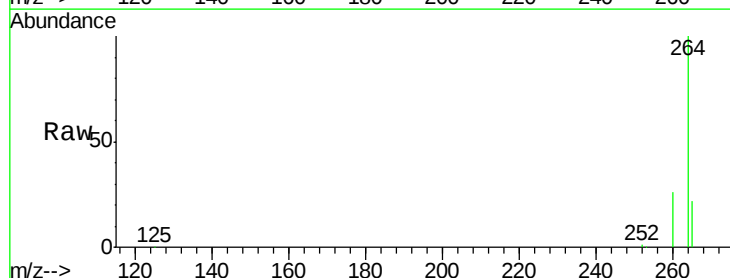
Tgt Ion:264 Resp: 173657

Ion Ratio Lower Upper

264 100

260 26.0 19.6 29.4

265 21.7 18.4 27.6



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

