

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
 Data File : BM002931.D
 Acq On : 16 Oct 2015 13:05
 Operator : UM/IZ
 Sample : PB86139BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB86139BL

Quant Time: Oct 16 23:00:41 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 22:59:32 2015
 Response via : Initial Calibration

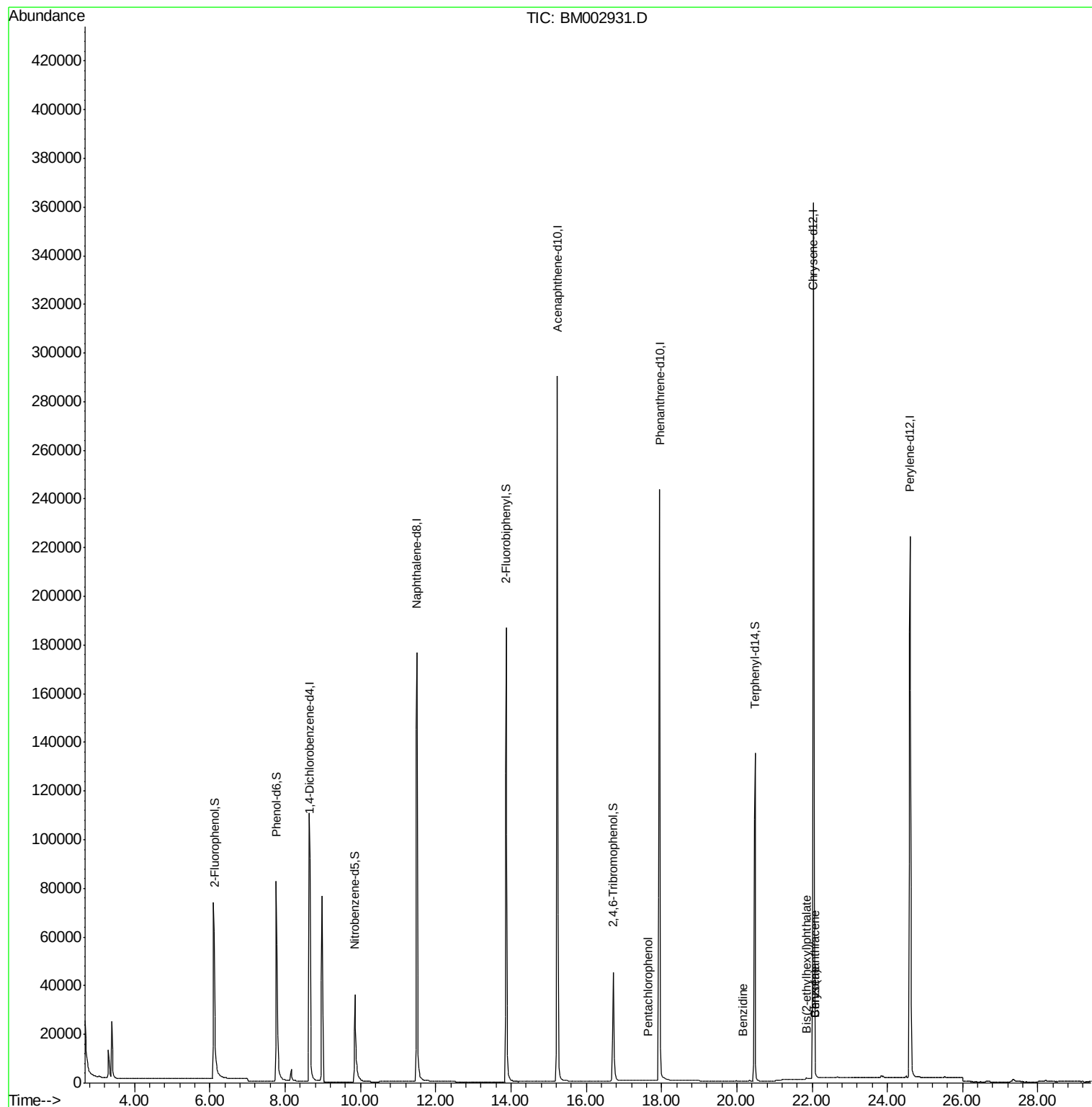
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	80630	5.00	ng	0.00
7) Naphthalene-d8	11.50	136	333065	5.00	ng	0.01
13) Acenaphthene-d10	15.23	164	185547	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	414072	5.00	ng	0.00
26) Chrysene-d12	22.04	240	406068	5.00	ng	0.00
35) Perylene-d12	24.61	264	347471	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	109588	7.27	ng	-0.03
5) Phenol-d6	7.77	99	140030	7.28	ng	-0.02
8) Nitrobenzene-d5	9.85	82	54395	3.41	ng	0.00
14) 2,4,6-Tribromophenol	16.72	330	39759	5.52	ng	0.00
15) 2-Fluorobiphenyl	13.88	172	202417	3.41	ng	0.00
29) Terphenyl-d14	20.48	244	201361	3.31	ng	0.00
Target Compounds						
21) Hexachlorobenzene	17.31	284	17	Below Cal	#	49
22) Pentachlorophenol	17.64	266	32	0.25 ng	#	76
27) Benzidine	20.16	184	551	0.16 ng	#	28
30) Benzo(a)anthracene	22.08	228	4321	0.04 ng	#	86
32) Chrysene	22.08	228	4294	0.04 ng	#	89
33) Bis(2-ethylhexyl)phthalate	21.85	149	1252	0.31 ng	#	87

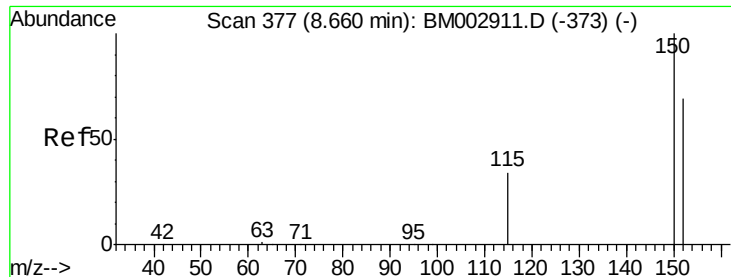
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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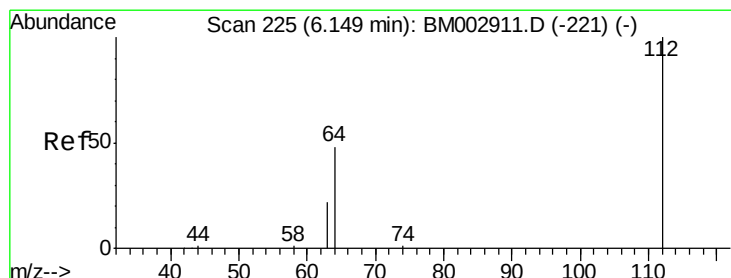
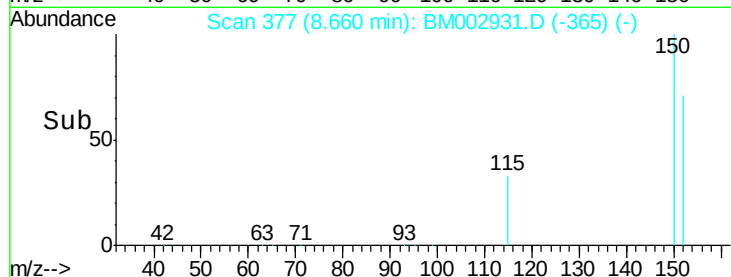
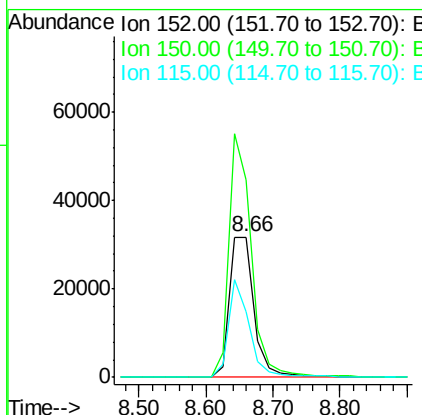
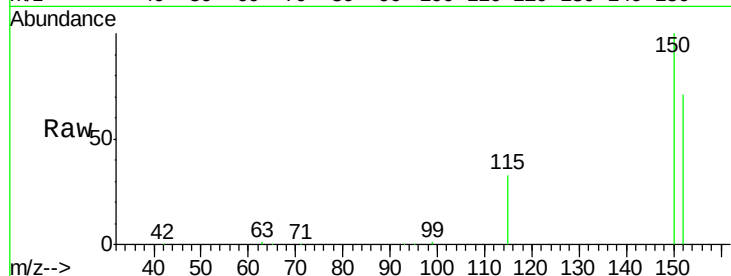


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002931.D
Acq: 16 Oct 2015 13:05

Instrument :
BNA_M
ClientSampleId :
PB86139BL

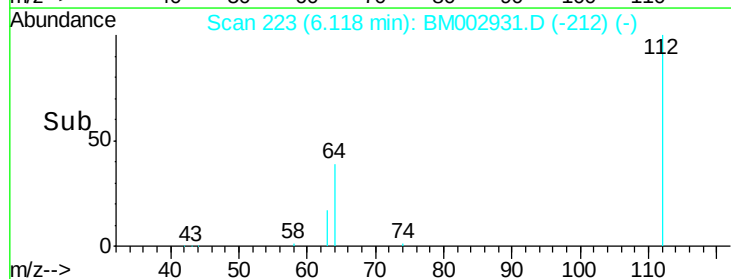
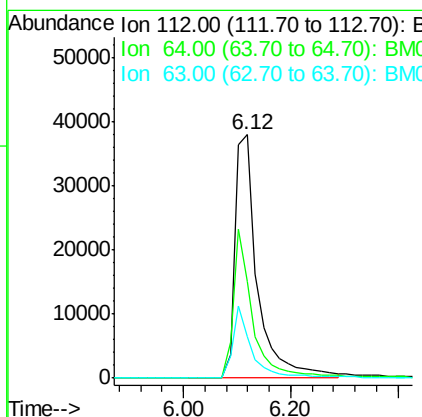
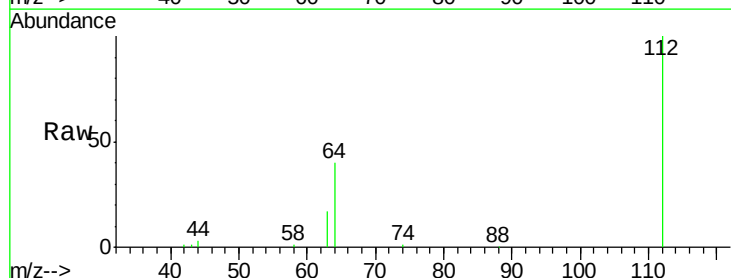
Tot Ion:152 Resp: 80630
Ion Ratio Lower Upper
152 100
150 140.5 113.0 169.6
115 46.7 37.9 56.9

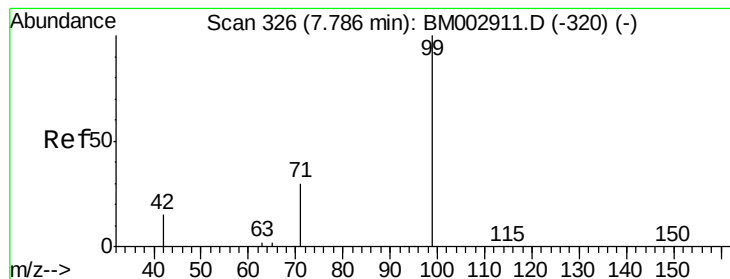


#4

2-Fluorophenol
Concen: 7.27 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002931.D
Acq: 16 Oct 2015 13:05

Tgt Ion:112 Resp: 109588
Ion Ratio Lower Upper
112 100
64 51.6 42.0 63.0
63 24.5 20.0 30.0





#5

Phenol-d6

Concen: 7.28 ng

RT: 7.77 min Scan# 325

Delta R.T. -0.02 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA_M

ClientSampleId :

PB86139BL

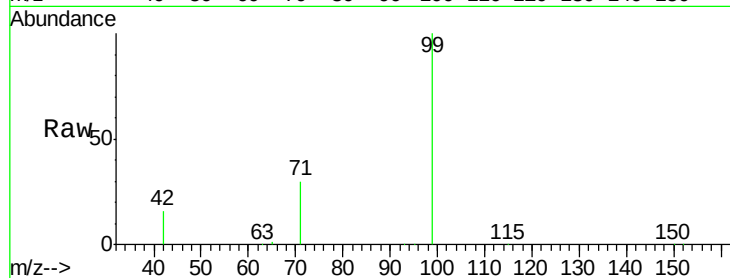
Tot Ion: 99 Resp: 140030

Ion Ratio Lower Upper

99 100

42 14.9 12.4 18.6

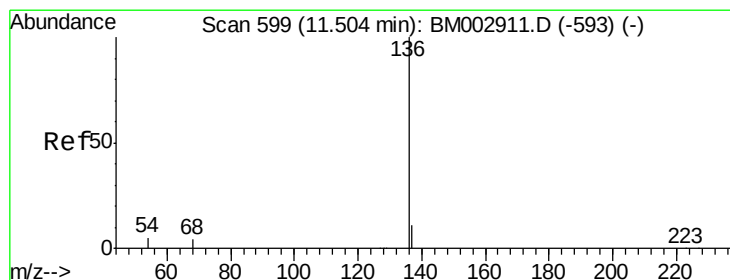
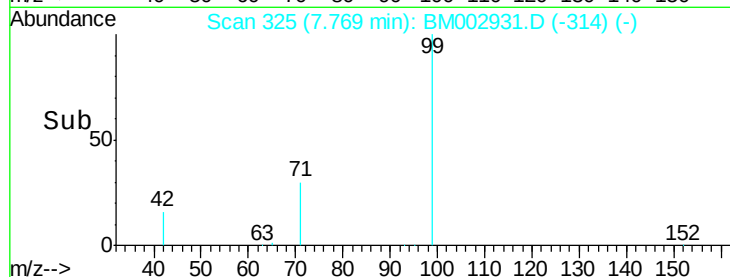
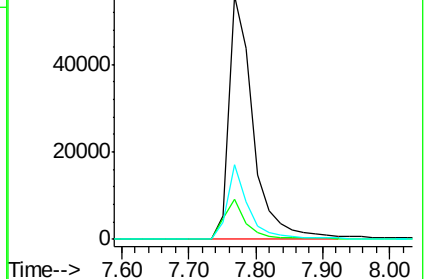
71 26.5 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002931.D (-320) (-)

Ion 42.00 (41.70 to 42.70): BM002931.D (-320) (-)

Ion 71.00 (70.70 to 71.70): BM002931.D (-320) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Tgt Ion: 136 Resp: 333065

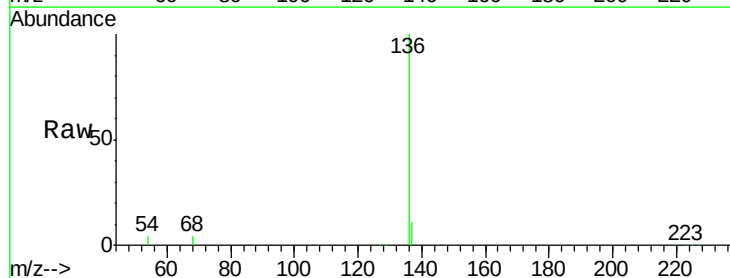
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 4.5 3.5 5.3

68 4.2 3.3 4.9

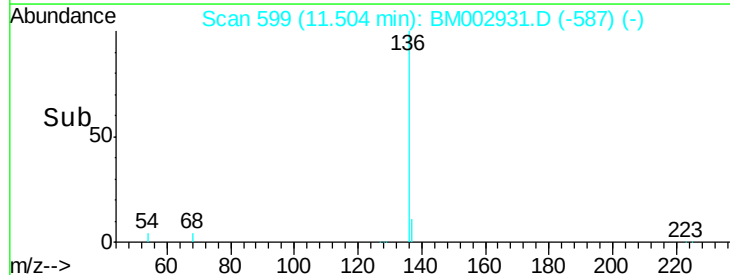
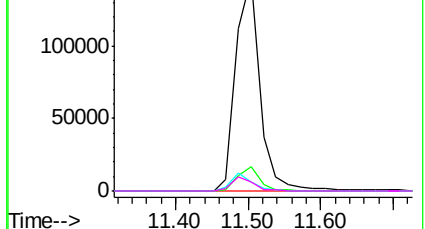


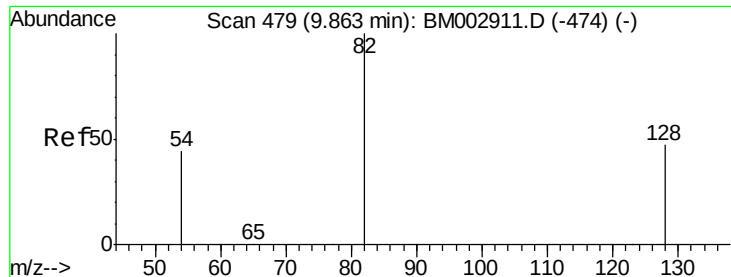
Abundance Ion 136.00 (135.70 to 136.70): BM002931.D (-593) (-)

Ion 137.00 (136.70 to 137.70): BM002931.D (-593) (-)

Ion 54.00 (53.70 to 54.70): BM002931.D (-593) (-)

Ion 68.00 (67.70 to 68.70): BM002931.D (-593) (-)





#8

Nitrobenzene-d5

Concen: 3.41 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.00 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA_M

ClientSampleID :

PB86139BL

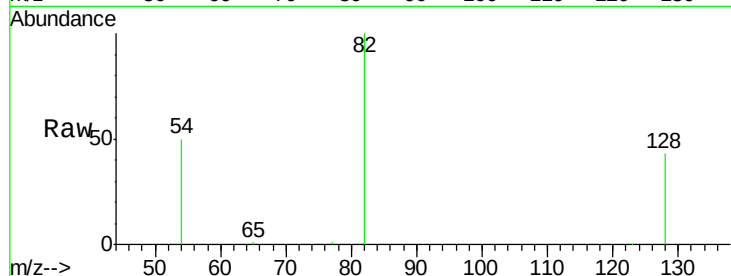
Tot Ion: 82 Resp: 54395

Ion Ratio Lower Upper

82 100

128 43.3 34.1 51.1

54 49.9 42.6 63.8

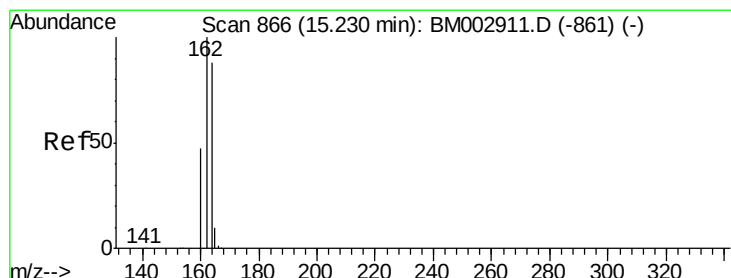
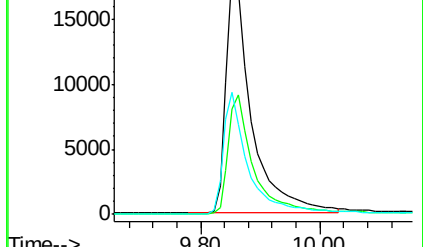
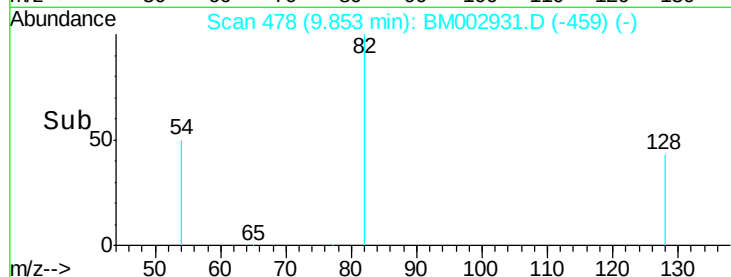


Abundance Ion 82.00 (81.70 to 82.70): BM002931.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BM002931.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BM002931.D (-474) (-)

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

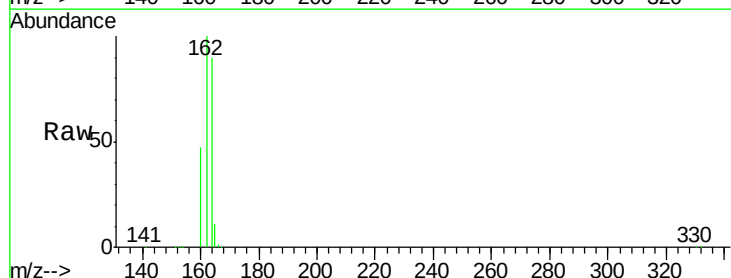
Tgt Ion: 164 Resp: 185547

Ion Ratio Lower Upper

164 100

162 111.6 79.6 119.4

160 52.0 33.1 49.7#

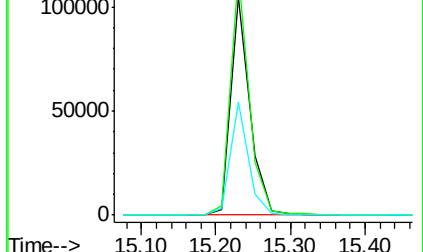
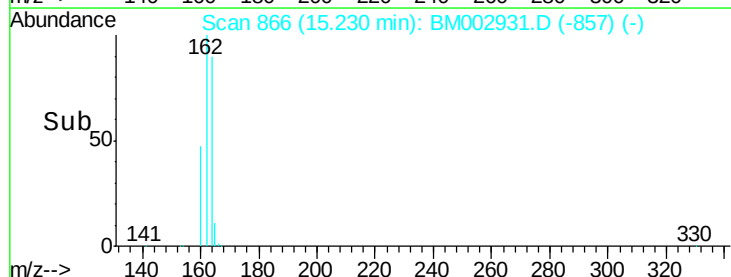


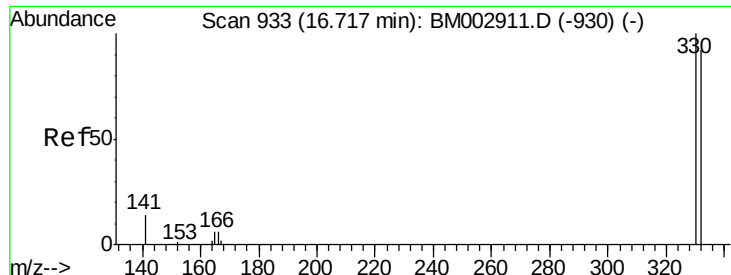
Abundance Ion 164.00 (163.70 to 164.70): BM002931.D (-861) (-)

Ion 162.00 (161.70 to 162.70): BM002931.D (-861) (-)

Ion 160.00 (159.70 to 160.70): BM002931.D (-861) (-)

Time-->

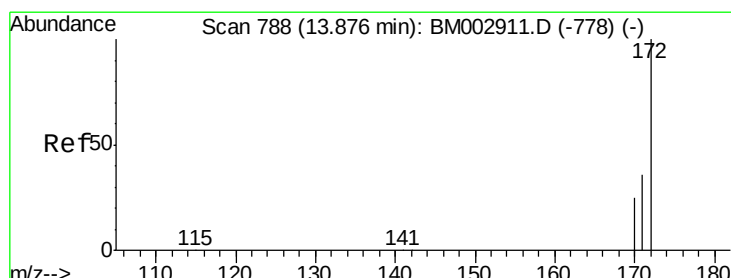
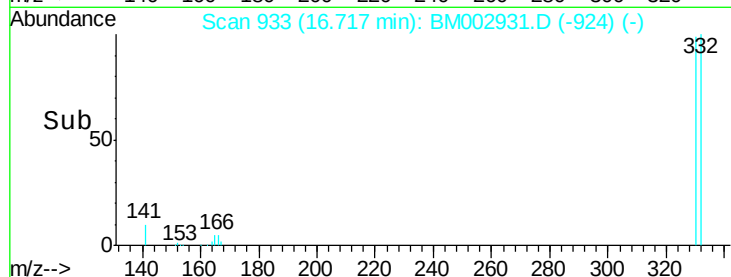
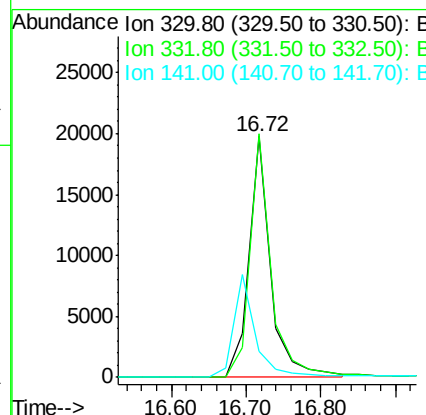
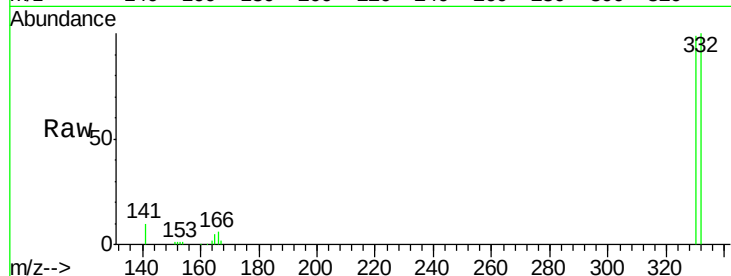




#14
 2,4,6-Tribromophenol
 Concen: 5.52 ng
 RT: 16.72 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM002931.D
 Acq: 16 Oct 2015 13:05

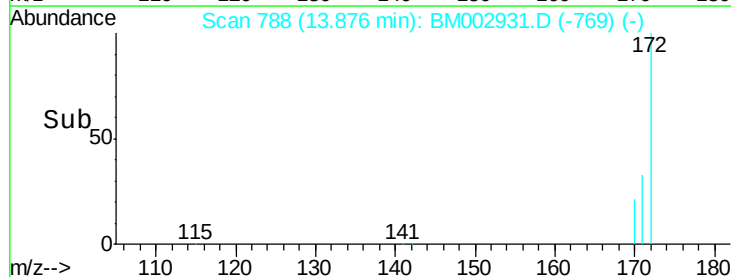
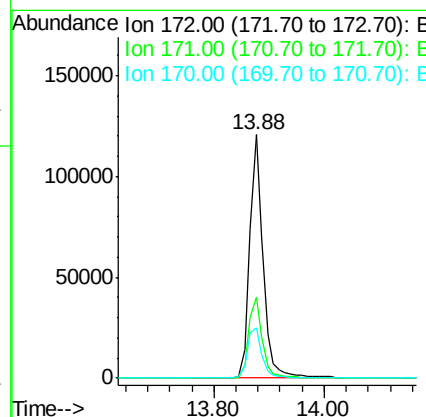
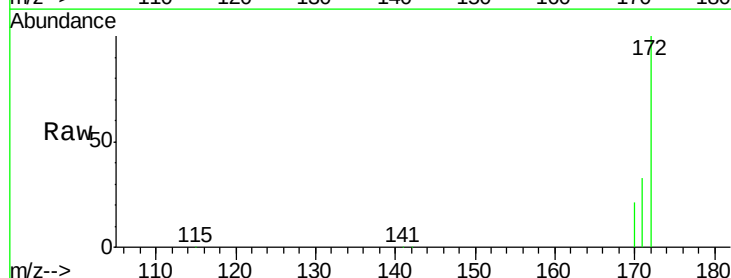
Instrument :
 BNA_M
 ClientSampleId :
 PB86139BL

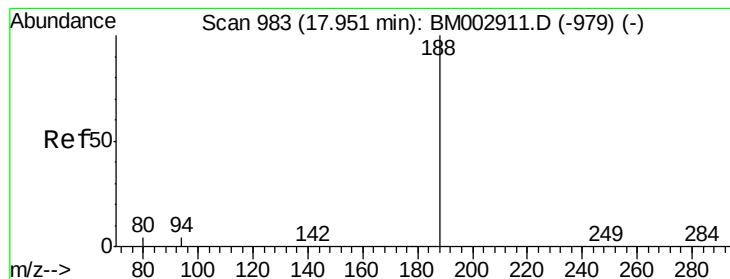
Tot Ion:330 Resp: 39759
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 3.41 ng
 RT: 13.88 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM002931.D
 Acq: 16 Oct 2015 13:05

Tgt Ion:172 Resp: 202417
 Ion Ratio Lower Upper
 172 100
 171 33.4 26.1 39.1
 170 20.9 15.7 23.5





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 983

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA_M

ClientSampleId :

PB86139BL

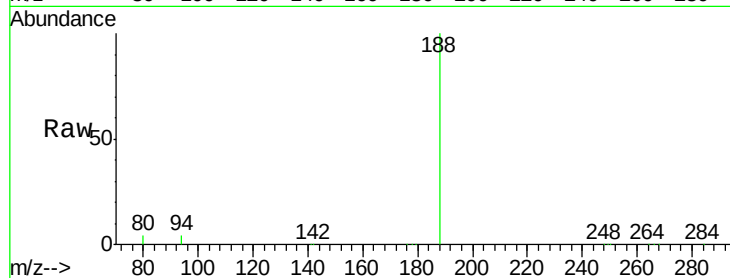
Tot Ion:188 Resp: 414072

Ion Ratio Lower Upper

188 100

94 4.5 15.2 22.8#

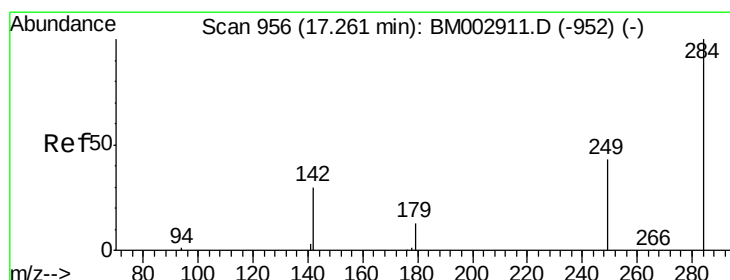
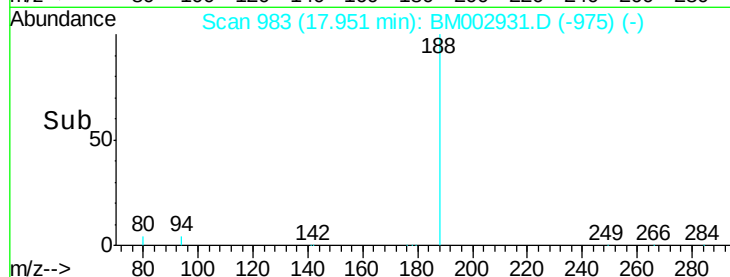
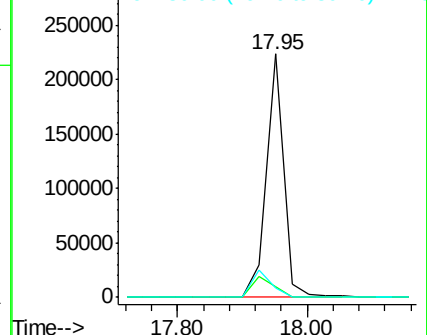
80 3.9 15.9 23.9#



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 17.31 min Scan# 958

Delta R.T. 0.06 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

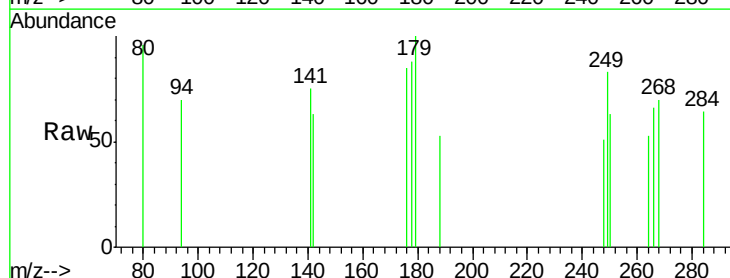
Tgt Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

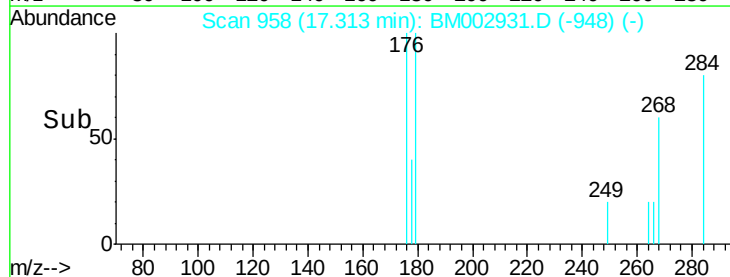
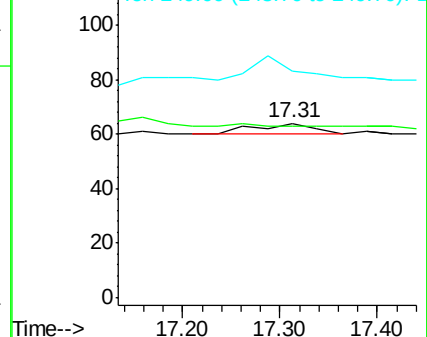
249 0.0 20.7 31.1#

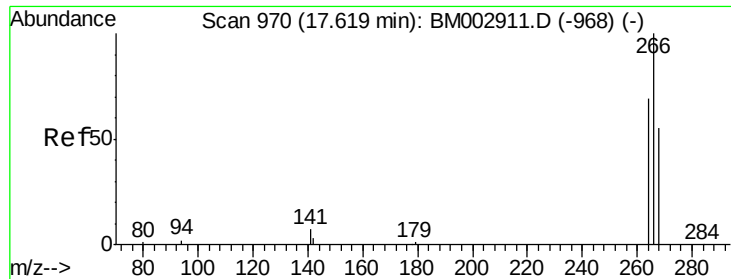


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.25 na

RT: 17.64 min Scan# 971

Delta R.T. 0.03 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

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ClientSampleId :

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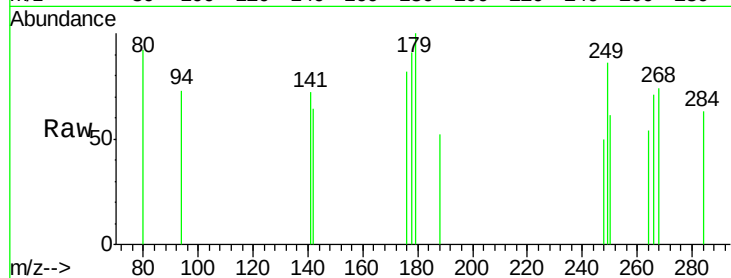
Tot Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

268 104.2 58.3 87.5#

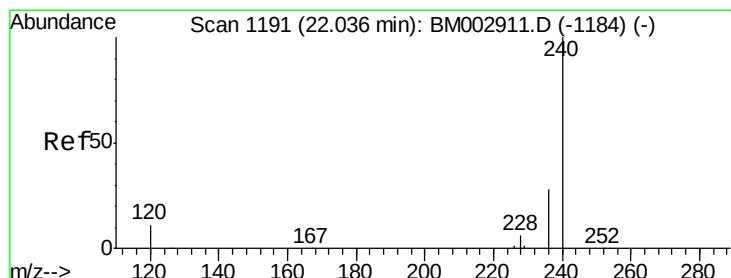
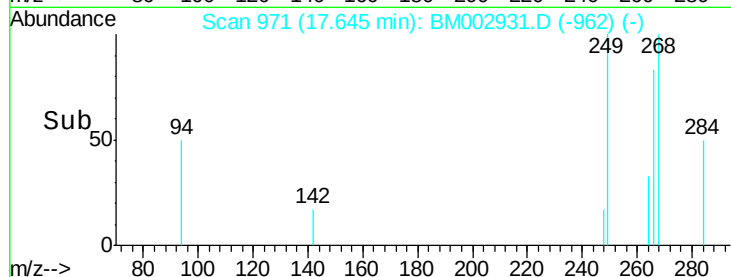
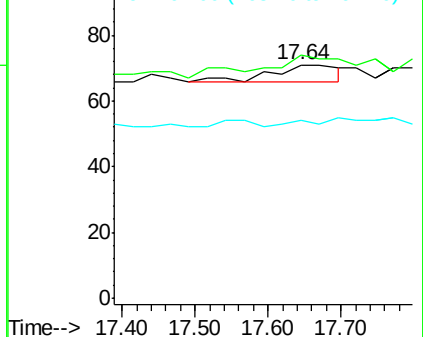
264 76.1 54.2 81.2



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 22.04 min Scan# 1191

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

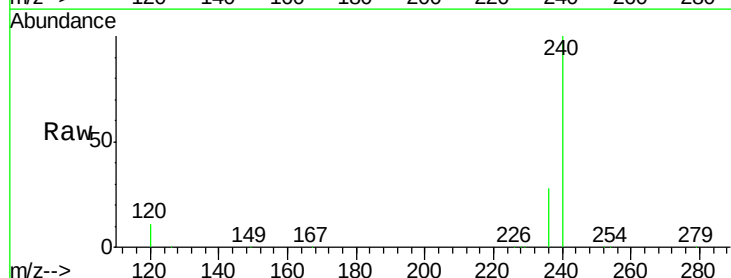
Tgt Ion:240 Resp: 406068

Ion Ratio Lower Upper

240 100

120 11.4 3.3 4.9#

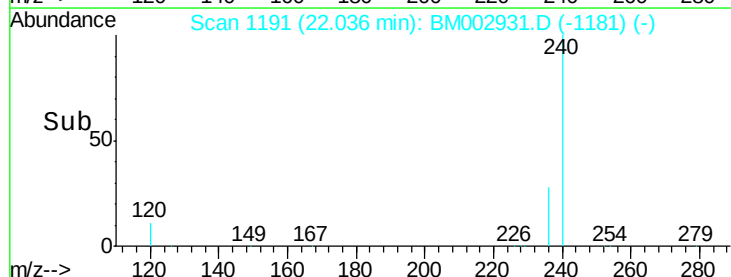
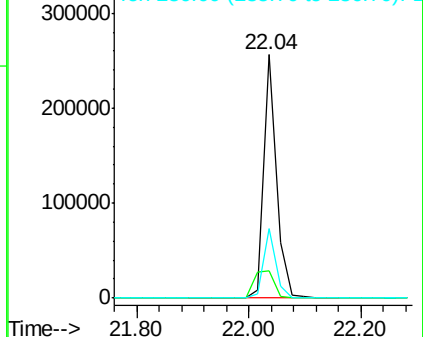
236 28.4 19.5 29.3

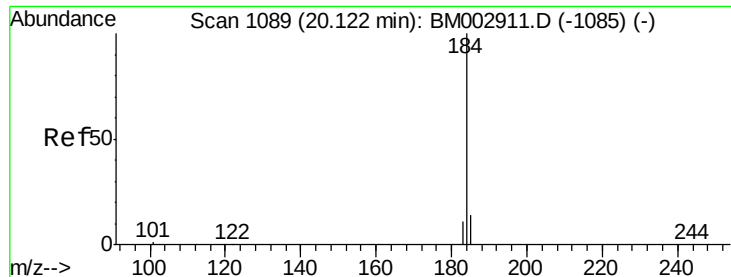


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.16 ng

RT: 20.16 min Scan# 1091

Delta R.T. 0.04 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

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ClientSampleId :

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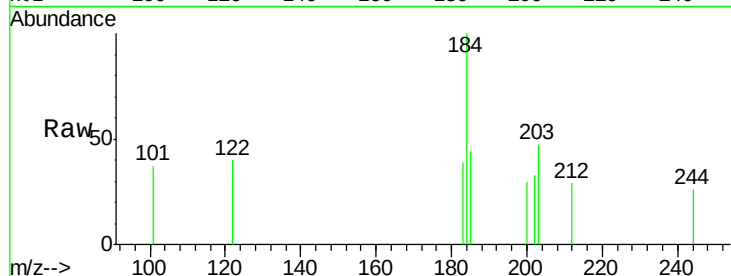
Tot Ion:184 Resp: 551

Ion Ratio Lower Upper

184 100

185 44.1 12.0 18.0#

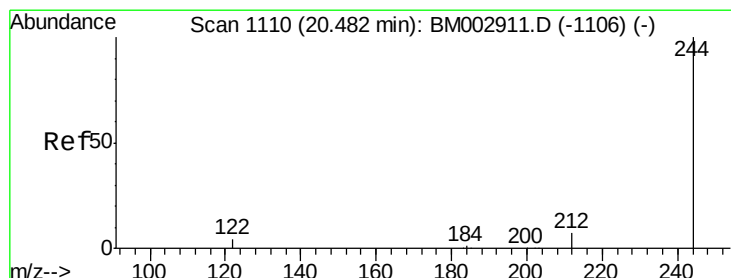
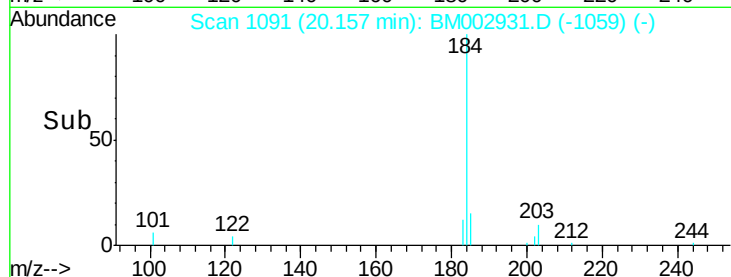
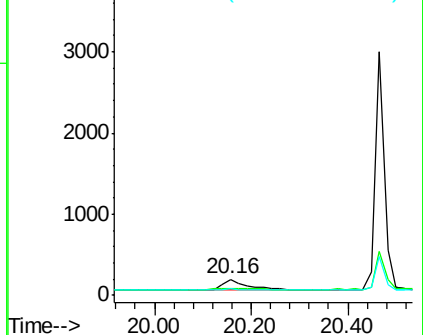
183 39.1 8.9 13.3#



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: 3.31 ng

RT: 20.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

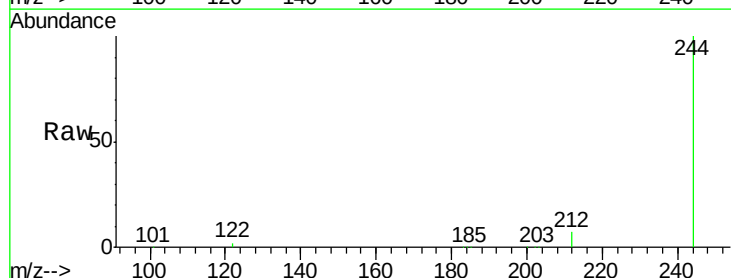
Tgt Ion:244 Resp: 201361

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

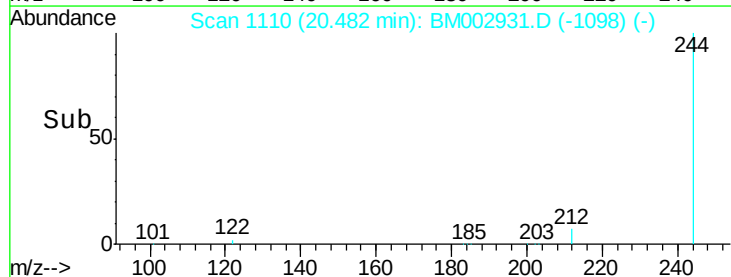
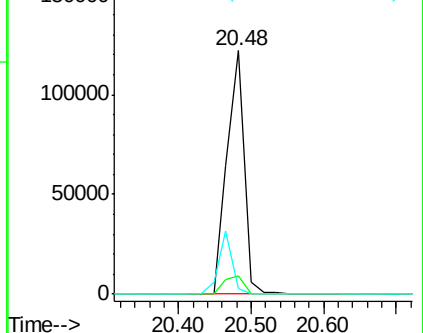
122 2.3 2.2 3.2

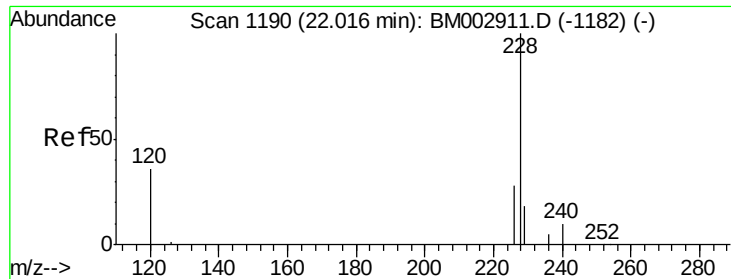


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 22.08 min Scan# 1193

Delta R.T. 0.07 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA_M

ClientSampleId :

PB86139BL

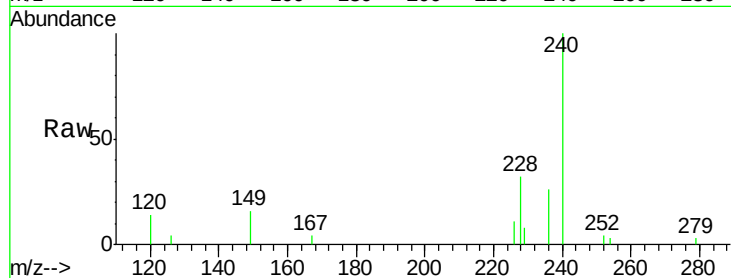
Tot Ion:228 Resp: 4321

Ion Ratio Lower Upper

228 100

226 33.7 19.0 28.6#

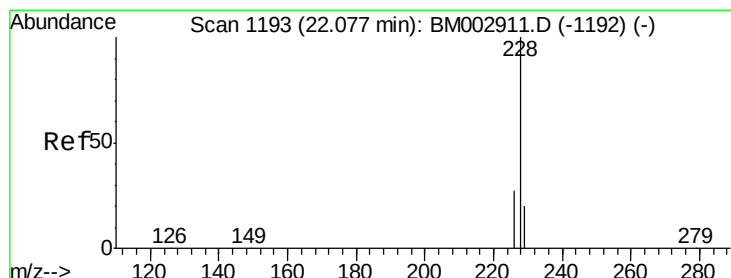
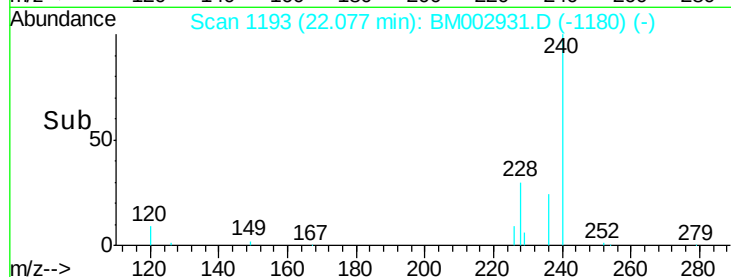
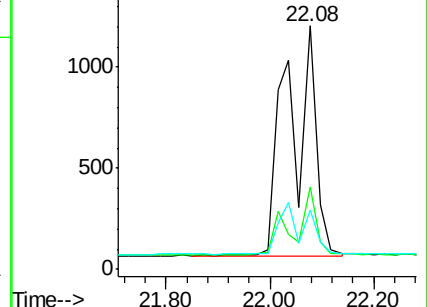
229 24.2 16.8 25.2



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



#32

Chrysene

Concen: 0.04 ng

RT: 22.08 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

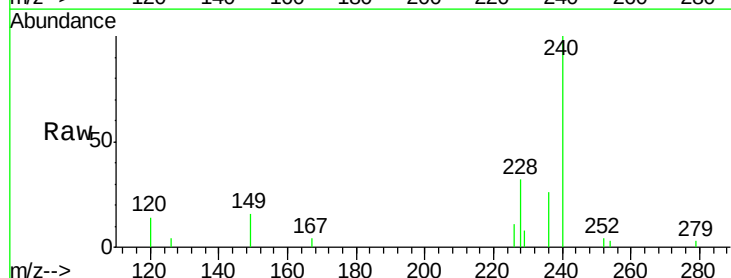
Tgt Ion:228 Resp: 4294

Ion Ratio Lower Upper

228 100

226 33.7 20.6 30.8#

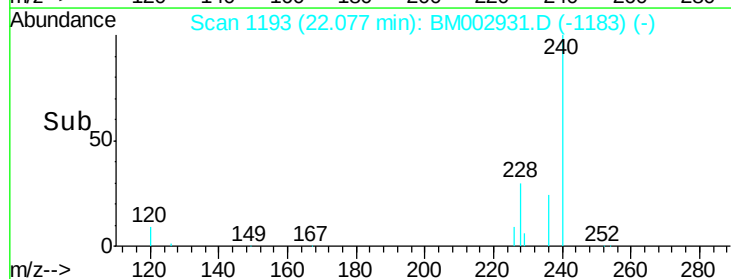
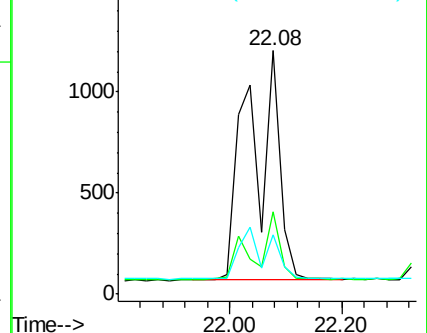
229 24.2 17.4 26.2

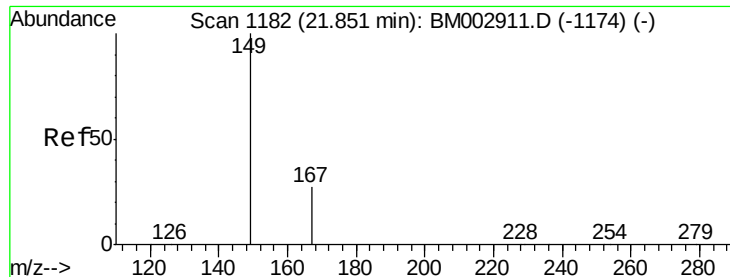


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 21.85 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA_M

ClientSampleId :

PB86139BL

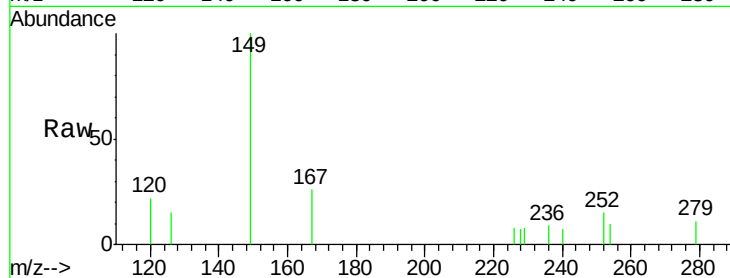
Tot Ion:149 Resp: 1252

Ion Ratio Lower Upper

149 100

167 15.3 17.2 25.8#

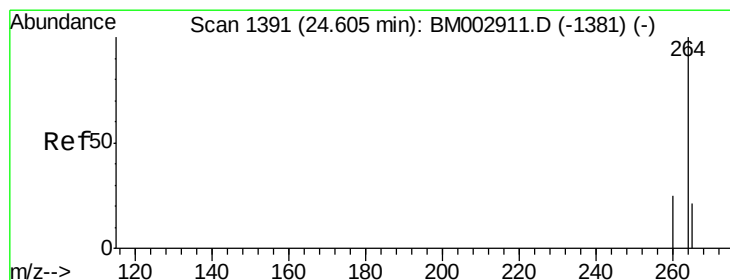
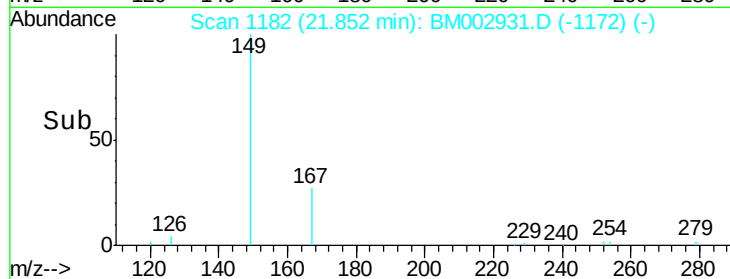
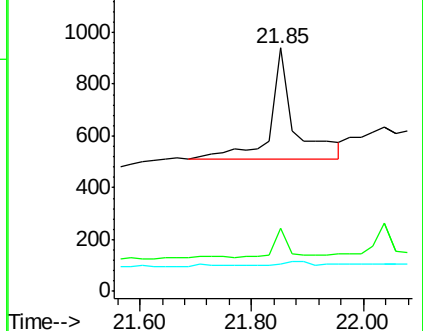
279 0.0 2.2 3.4#



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: 24.61 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

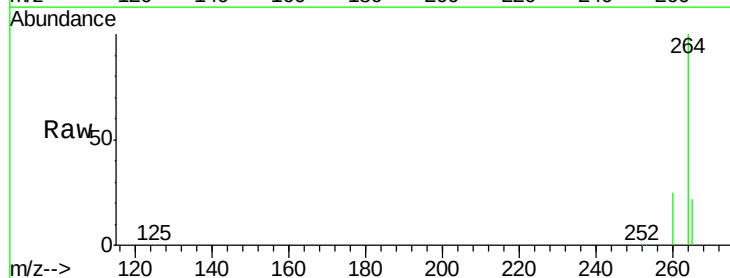
Tgt Ion:264 Resp: 347471

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.0 17.6 26.4



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

