

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100915\
 Data File : BM002883.D
 Acq On : 09 Oct 2015 14:09
 Operator : UM/IZ
 Sample : PB85645BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 10 04:46:24 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM100815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 06:47:52 2015
 Response via : Initial Calibration

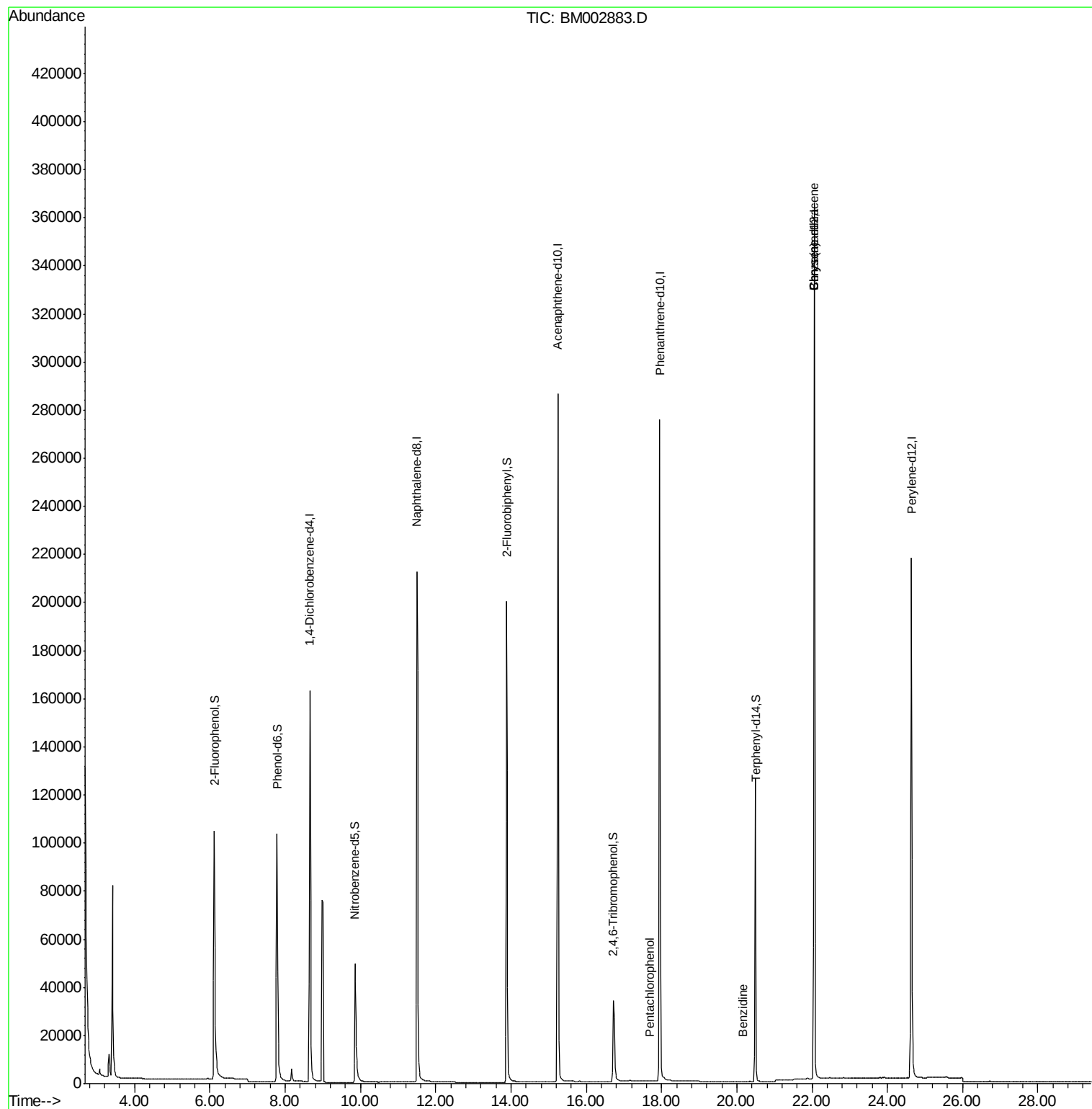
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	98417	5.00	ng	-0.02
7) Naphthalene-d8	11.50	136	384793	5.00	ng	-0.02
13) Acenaphthene-d10	15.25	164	198571	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	431300	5.00	ng	0.00
26) Chrysene-d12	22.06	240	409874	5.00	ng	0.00
35) Perylene-d12	24.64	264	341591	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	131971	6.27	ng	-0.03
5) Phenol-d6	7.79	99	164116	6.31	ng	-0.02
8) Nitrobenzene-d5	9.86	82	64678	3.34	ng	-0.01
14) 2,4,6-Tribromophenol	16.72	330	39791	6.05	ng	-0.02
15) 2-Fluorobiphenyl	13.89	172	212134	3.53	ng	-0.01
29) Terphenyl-d14	20.50	244	196718	3.60	ng	0.00
Target Compounds						
22) Pentachlorophenol	17.70	266	14	0.04	ng	# 75
27) Benzidine	20.17	184	790	0.19	ng	# 18
30) Benzo(a)anthracene	22.06	228	2685	0.02	ng	# 78
32) Chrysene	22.06	228	2638	0.02	ng	# 77

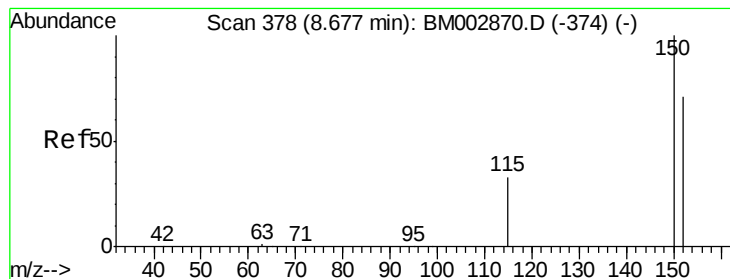
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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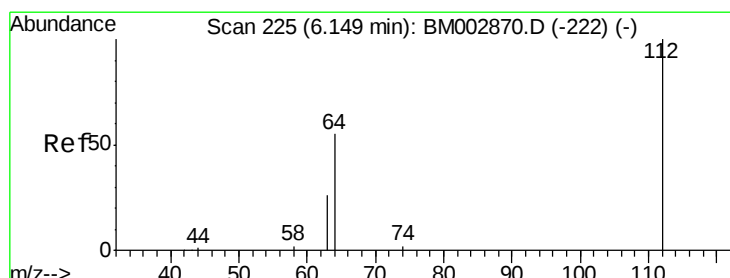
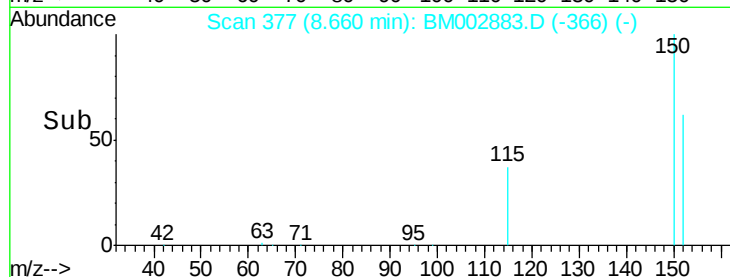
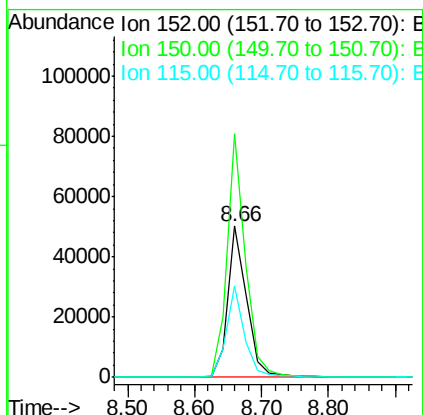
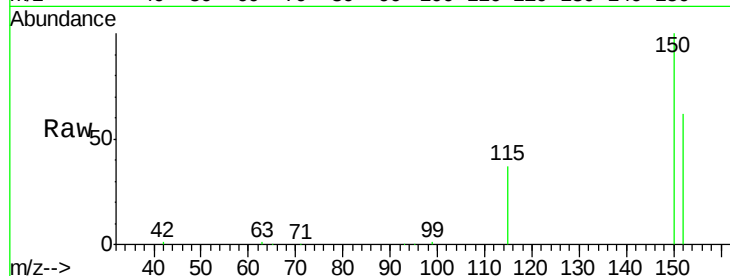


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.02 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

Instrument :
BNA_M
ClientSampleId :

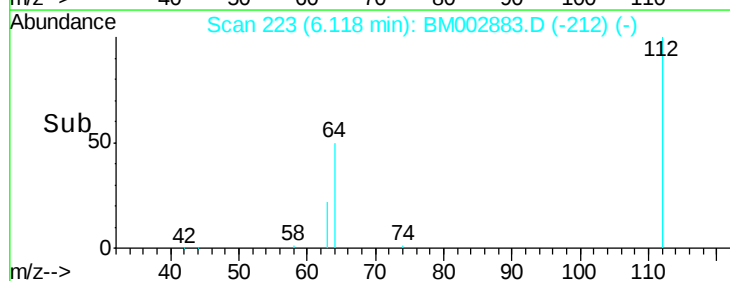
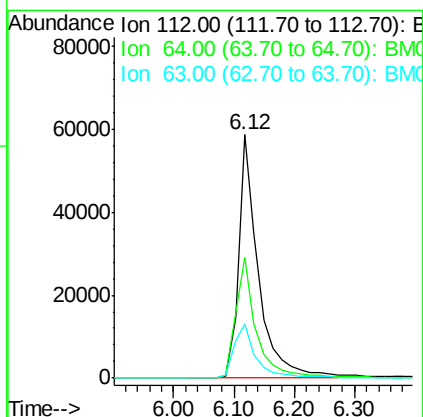
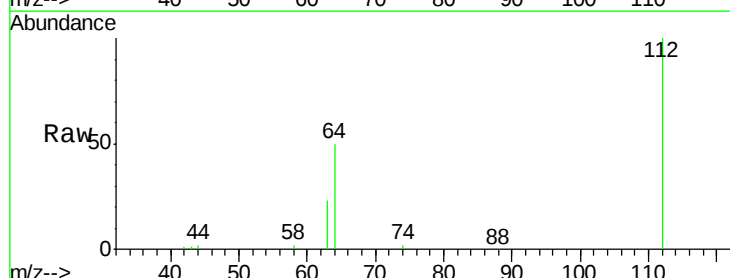
Tot Ion:152 Resp: 98417
Ion Ratio Lower Upper
152 100
150 161.1 113.0 169.6
115 60.1 37.9 56.9#

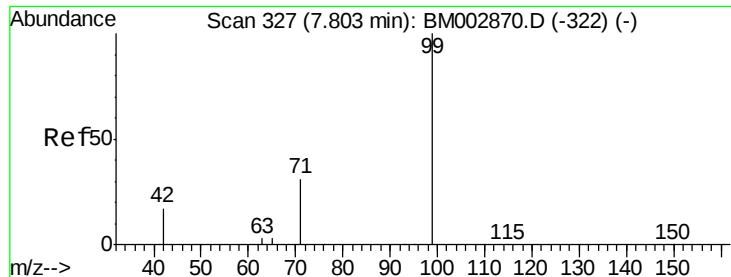


#4

2-Fluorophenol
Concen: 6.27 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

Tgt Ion:112 Resp: 131971
Ion Ratio Lower Upper
112 100
64 51.5 42.0 63.0
63 24.4 20.0 30.0





#5

Phenol-d6

Concen: 6.31 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

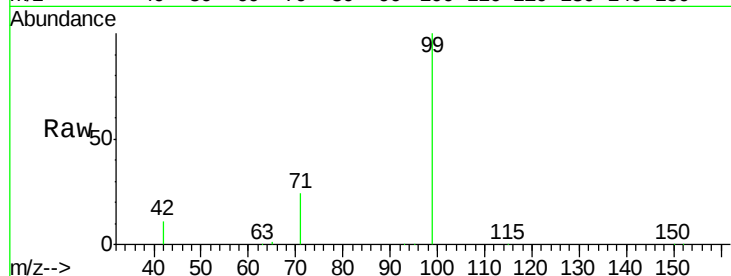
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 99 Resp: 164116

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.4	18.6
71	26.5	21.4	32.0

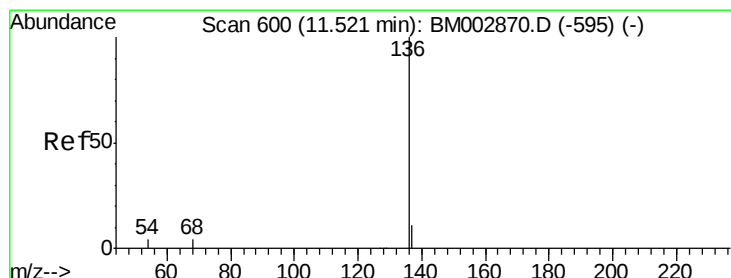
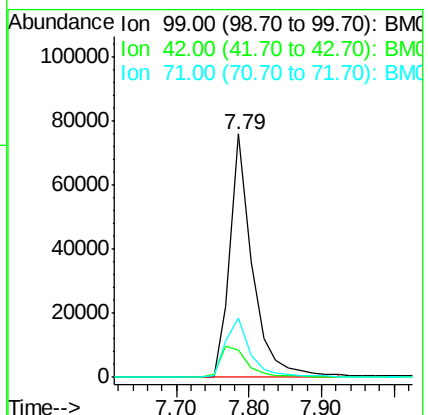
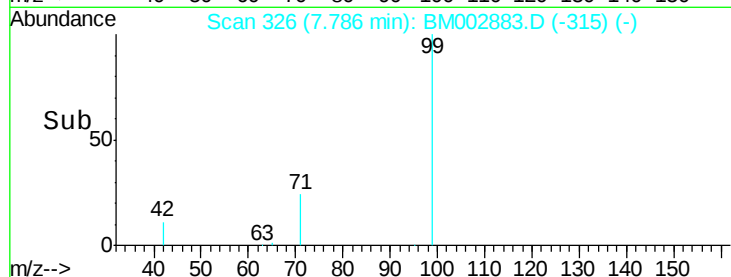


Abundance

Ion 99.00 (98.70 to 99.70): BM002870.D (-322) (-)

Ion 42.00 (41.70 to 42.70): BM002870.D (-322) (-)

Ion 71.00 (70.70 to 71.70): BM002870.D (-322) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

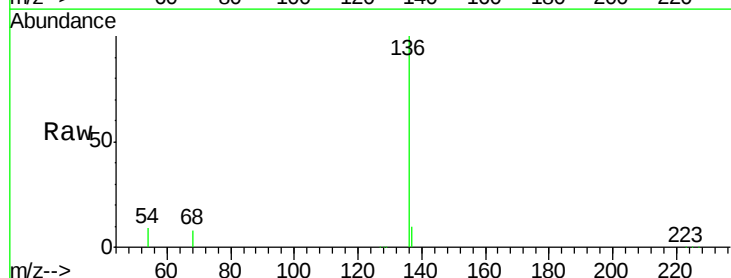
Delta R.T. -0.02 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

Tgt Ion: 136 Resp: 384793

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	9.2	3.5	5.3#
68	7.6	3.3	4.9#



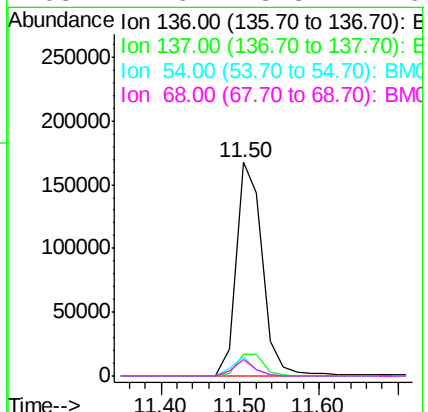
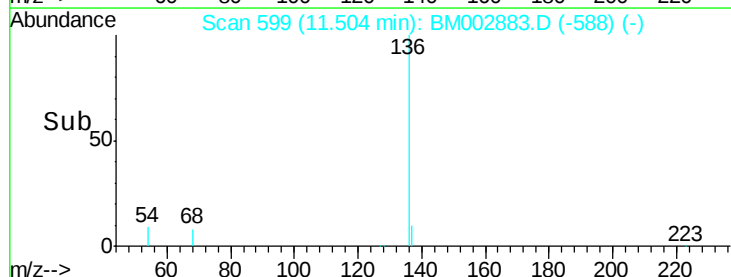
Abundance

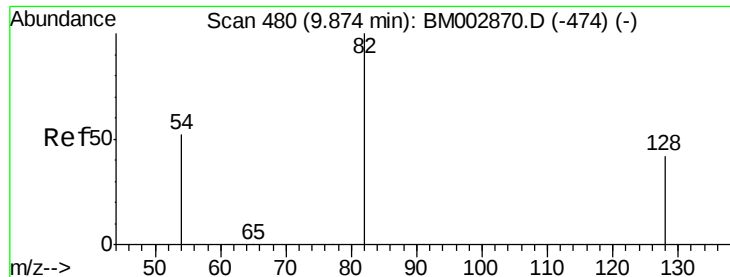
Ion 136.00 (135.70 to 136.70): BM002870.D (-595) (-)

Ion 137.00 (136.70 to 137.70): BM002870.D (-595) (-)

Ion 54.00 (53.70 to 54.70): BM002870.D (-595) (-)

Ion 68.00 (67.70 to 68.70): BM002870.D (-595) (-)





#8

Nitrobenzene-d5

Concen: 3.34 ng

RT: 9.86 min Scan# 479

Delta R.T. -0.01 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

Instrument :

BNA_M

ClientSampleId :

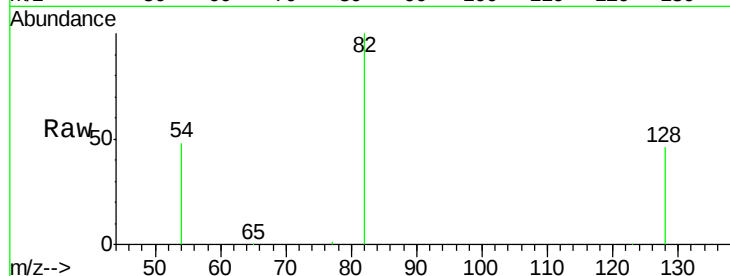
Tot Ion: 82 Resp: 64678

Ion Ratio Lower Upper

82 100

128 45.6 34.1 51.1

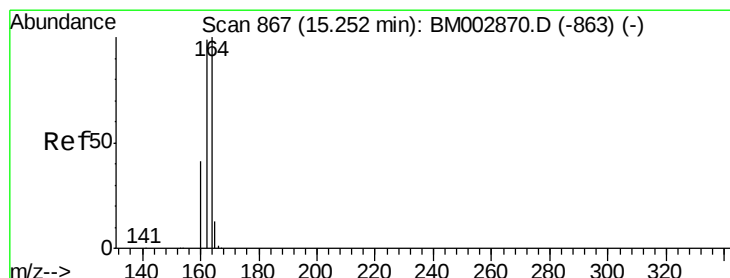
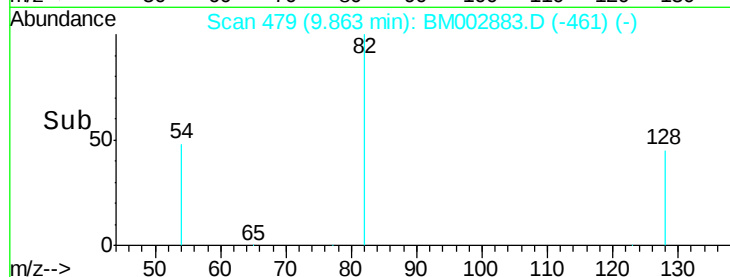
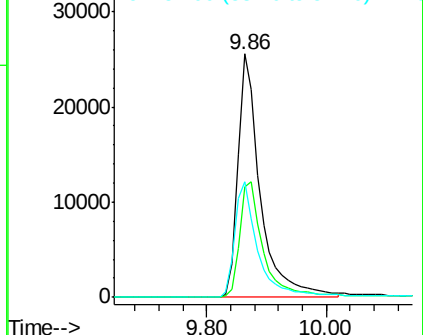
54 47.7 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BM002883.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BM002883.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BM002883.D (-474) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.25 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

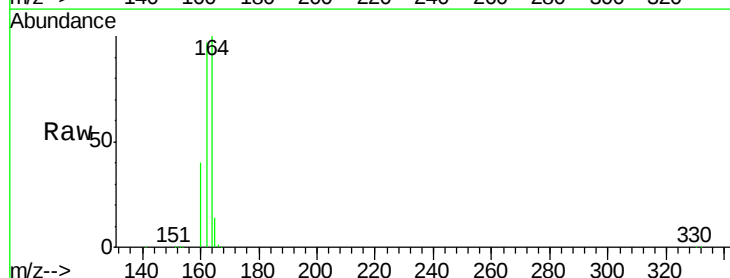
Tgt Ion: 164 Resp: 198571

Ion Ratio Lower Upper

164 100

162 97.0 79.6 119.4

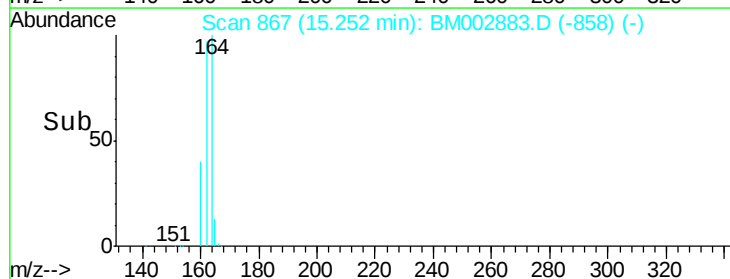
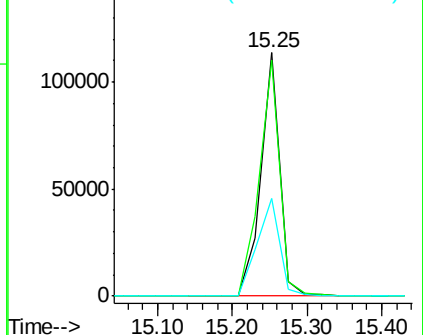
160 39.9 33.1 49.7

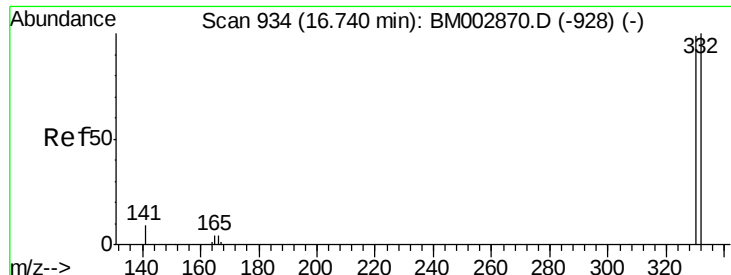


Abundance Ion 164.00 (163.70 to 164.70): BM002883.D (-858) (-)

Ion 162.00 (161.70 to 162.70): BM002883.D (-858) (-)

Ion 160.00 (159.70 to 160.70): BM002883.D (-858) (-)

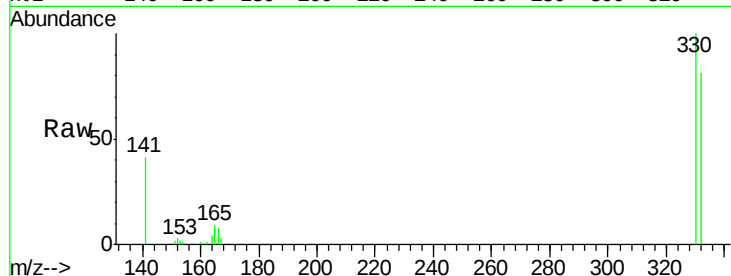




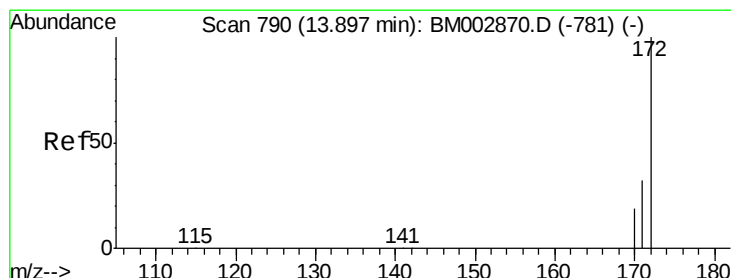
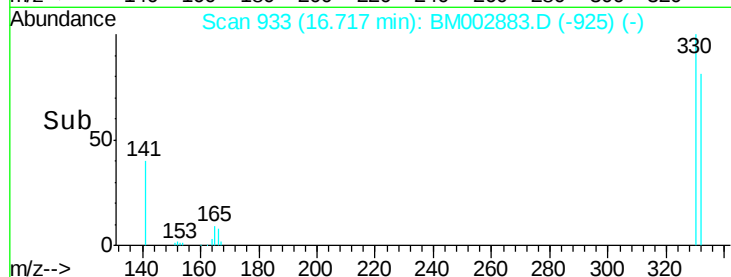
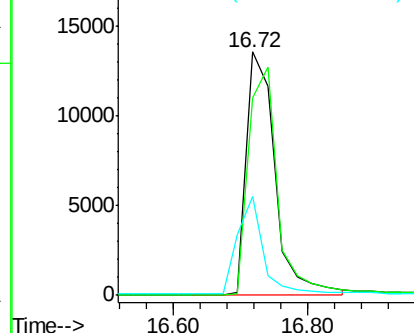
#14
 2,4,6-Tribromophenol
 Concen: 6.05 ng
 RT: 16.72 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: BM002883.D
 Acq: 09 Oct 2015 14:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 39791
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.6 115.0#
 141 36.1 0.0 0.0#

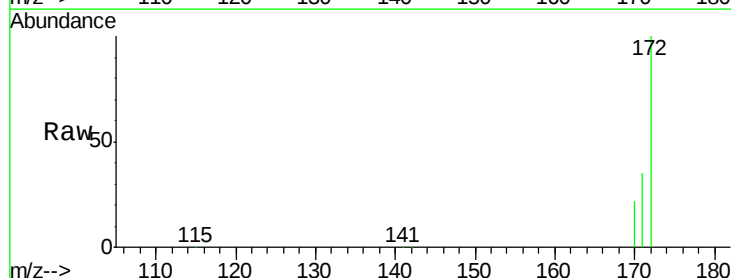


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

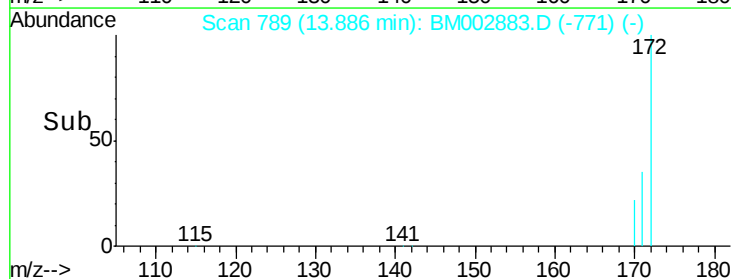
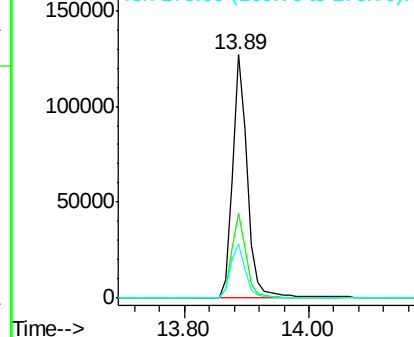


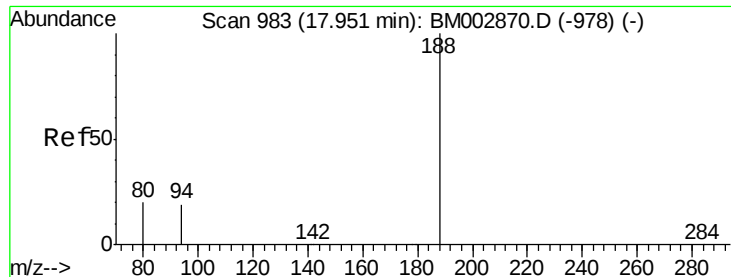
#15
 2-Fluorobiphenyl
 Concen: 3.53 ng
 RT: 13.89 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BM002883.D
 Acq: 09 Oct 2015 14:09

Tgt Ion:172 Resp: 212134
 Ion Ratio Lower Upper
 172 100
 171 34.8 26.1 39.1
 170 22.5 15.7 23.5



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

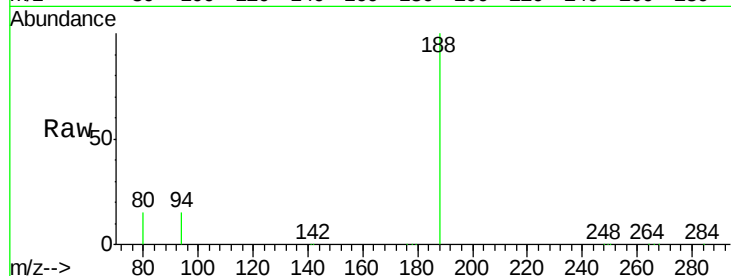




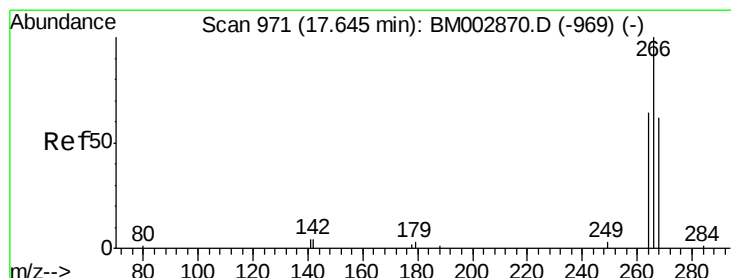
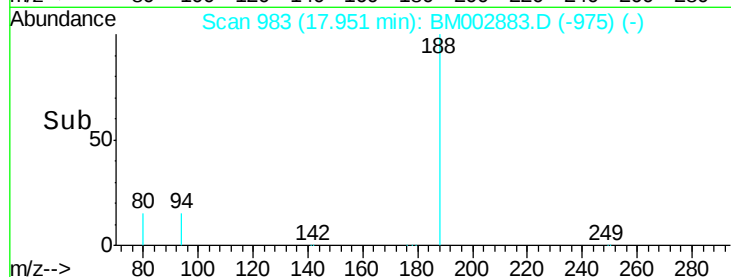
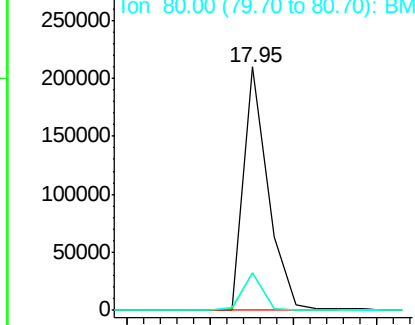
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

Instrument :
BNA_M
ClientSampled :

Tot Ion:188 Resp: 431300
Ion Ratio Lower Upper
188 100
94 15.3 15.2 22.8
80 15.4 15.9 23.9#

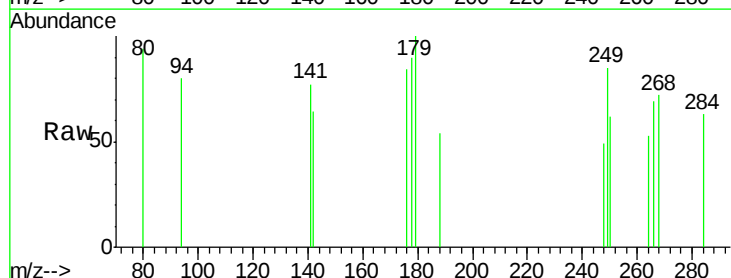


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

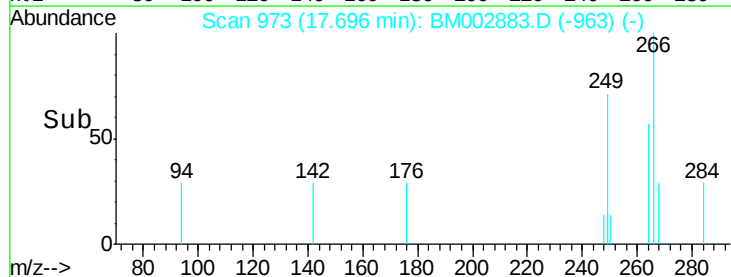
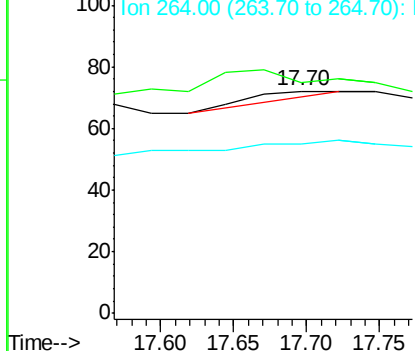


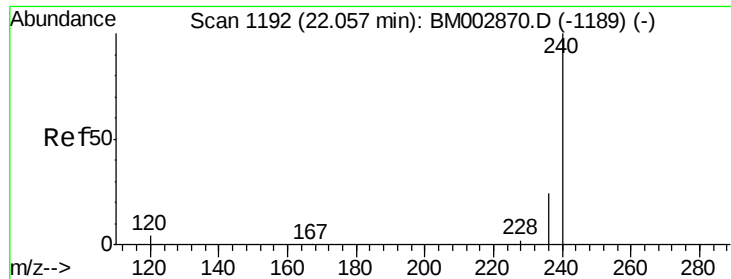
#22
Pentachlorophenol
Concen: 0.04 ng
RT: 17.70 min Scan# 973
Delta R.T. 0.05 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

Tgt Ion:266 Resp: 14
Ion Ratio Lower Upper
266 100
268 104.2 58.3 87.5#
264 76.4 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

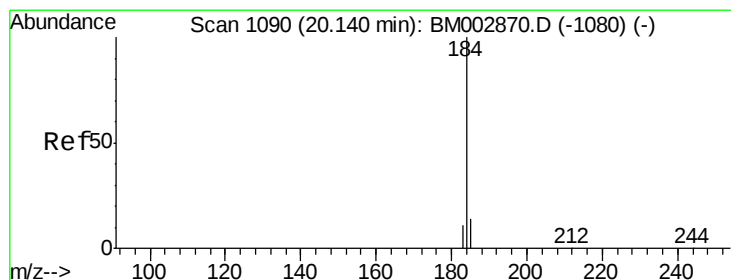
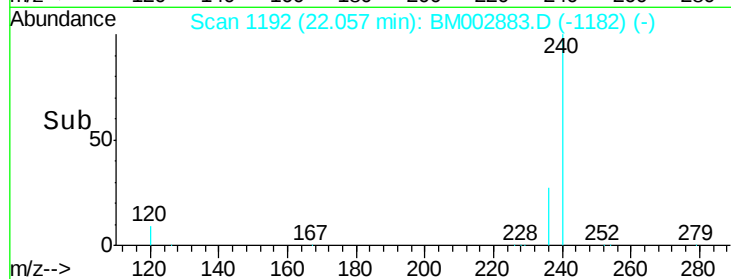
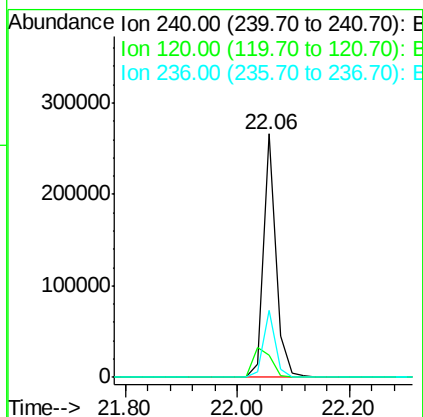
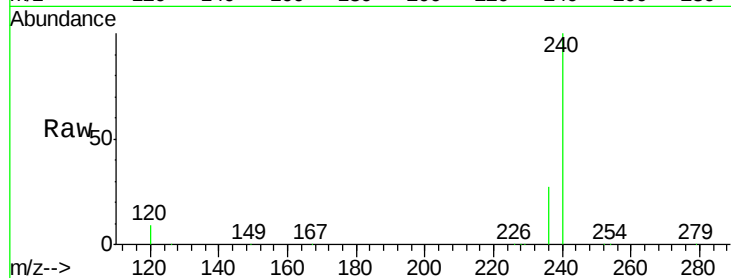




#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.06 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

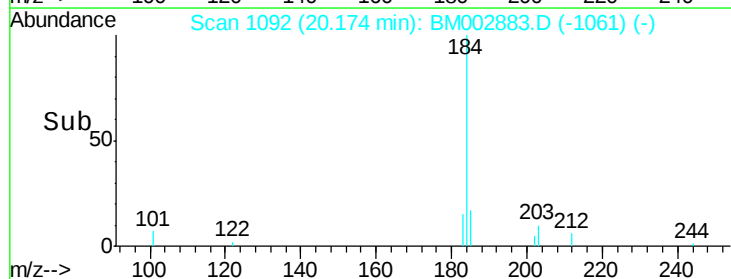
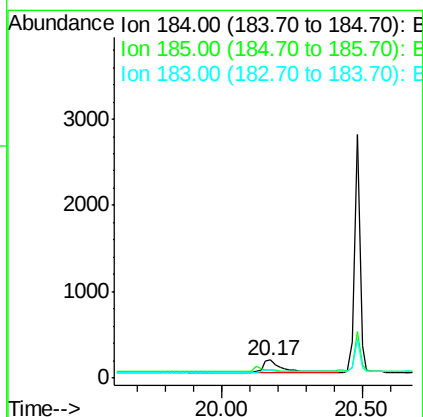
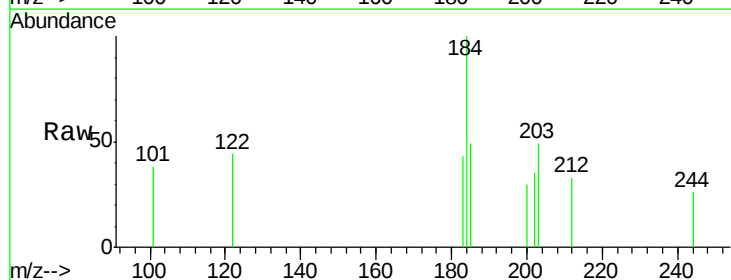
Instrument :
BNA_M
ClientSampleId :

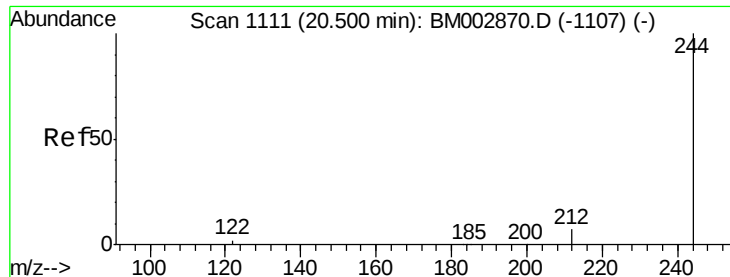
Tot Ion:240 Resp: 409874
Ion Ratio Lower Upper
240 100
120 9.0 3.3 4.9#
236 27.3 19.5 29.3



#27
Benzidine
Concen: 0.19 ng
RT: 20.17 min Scan# 1092
Delta R.T. 0.03 min
Lab File: BM002883.D
Acq: 09 Oct 2015 14:09

Tgt Ion:184 Resp: 790
Ion Ratio Lower Upper
184 100
185 48.5 12.0 18.0#
183 42.7 8.9 13.3#





#29

Terphenyl-d14

Concen: 3.60 ng

RT: 20.50 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

Instrument :

BNA_M

ClientSampleId :

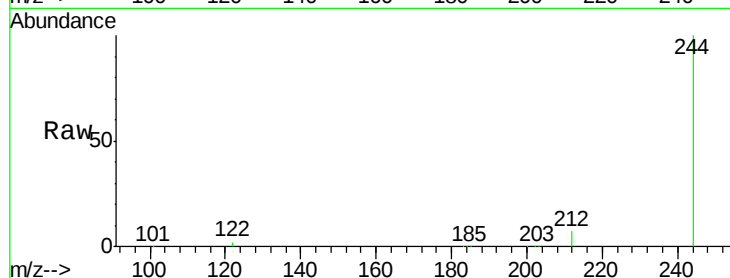
Tot Ion:244 Resp: 196718

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

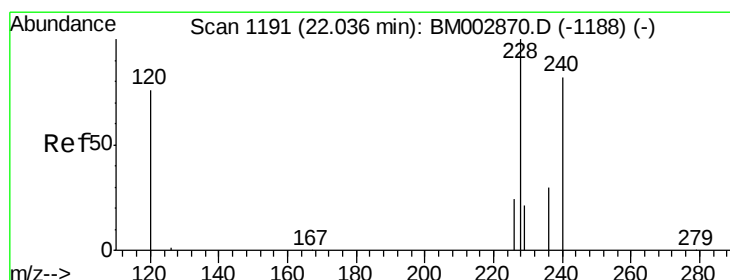
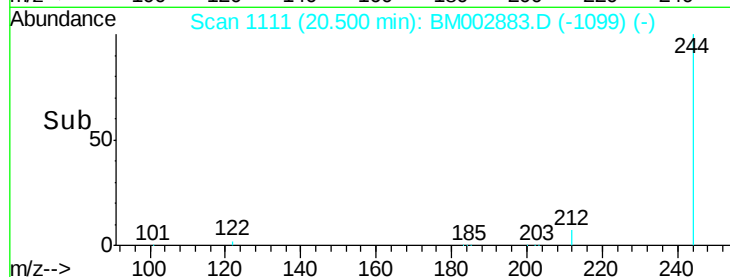
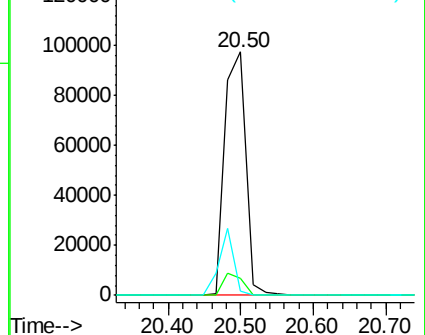
122 1.7 2.2 3.2#



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: 0.02 ng

RT: 22.06 min Scan# 1192

Delta R.T. 0.02 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

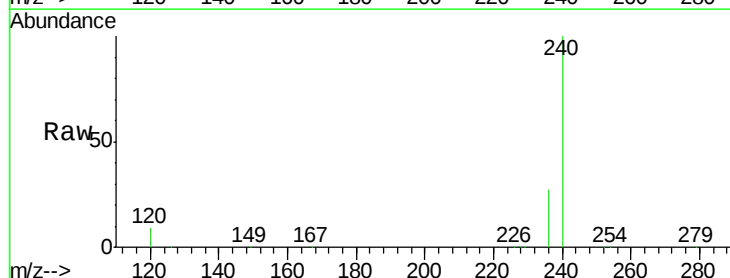
Tgt Ion:228 Resp: 2685

Ion Ratio Lower Upper

228 100

226 17.5 19.0 28.6#

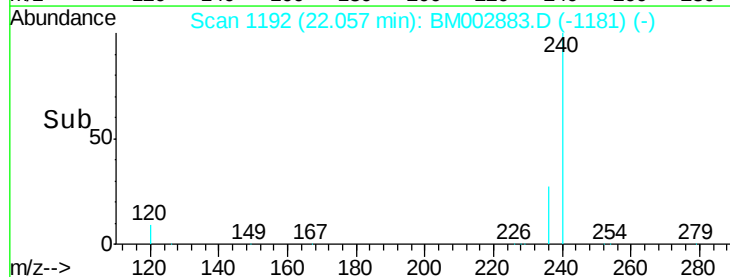
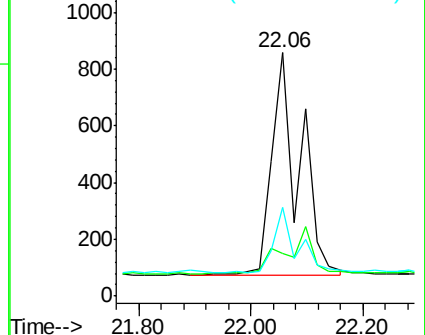
229 36.5 16.8 25.2#

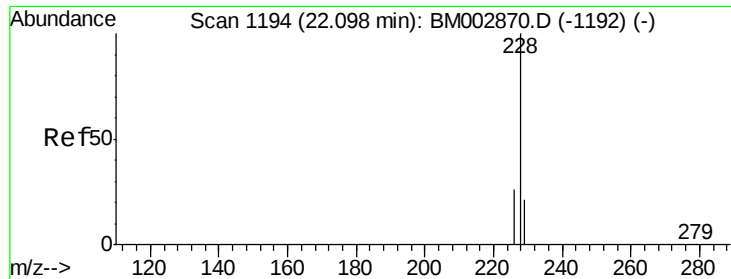


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.02 ng

RT: 22.06 min Scan# 1192

Delta R.T. -0.04 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

Instrument :

BNA_M

ClientSampleId :

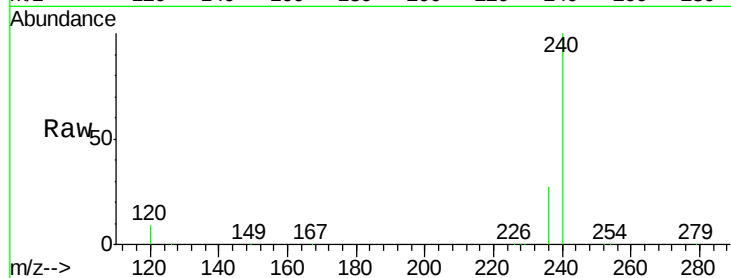
Tot Ion:228 Resp: 2638

Ion Ratio Lower Upper

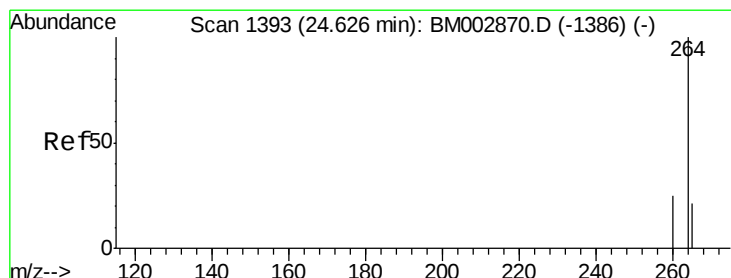
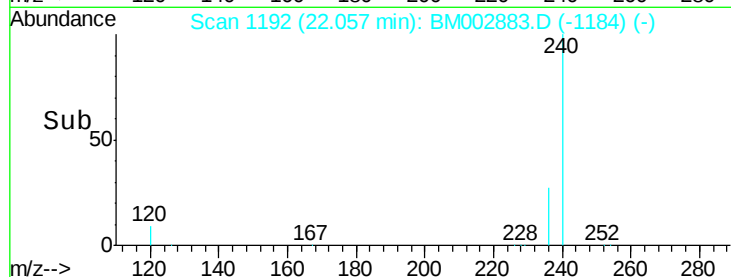
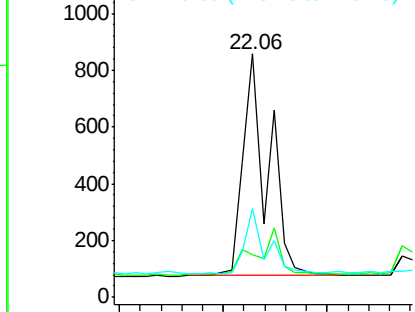
228 100

226 17.5 20.6 30.8#

229 36.5 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



#35

Perylene-d12

Concen: 5.00 ng

RT: 24.64 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BM002883.D

Acq: 09 Oct 2015 14:09

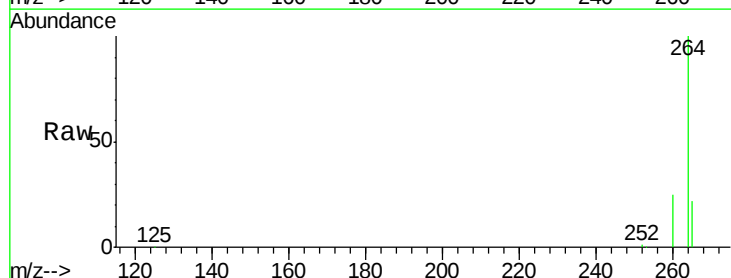
Tgt Ion:264 Resp: 341591

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

265 21.8 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

