

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022916\
 Data File : BM004484.D
 Acq On : 01 Mar 2016 00:12
 Operator : SJ/UM
 Sample : PB88423BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88423BL

Quant Time: Mar 01 05:17:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 00:52:28 2016
 Response via : Initial Calibration

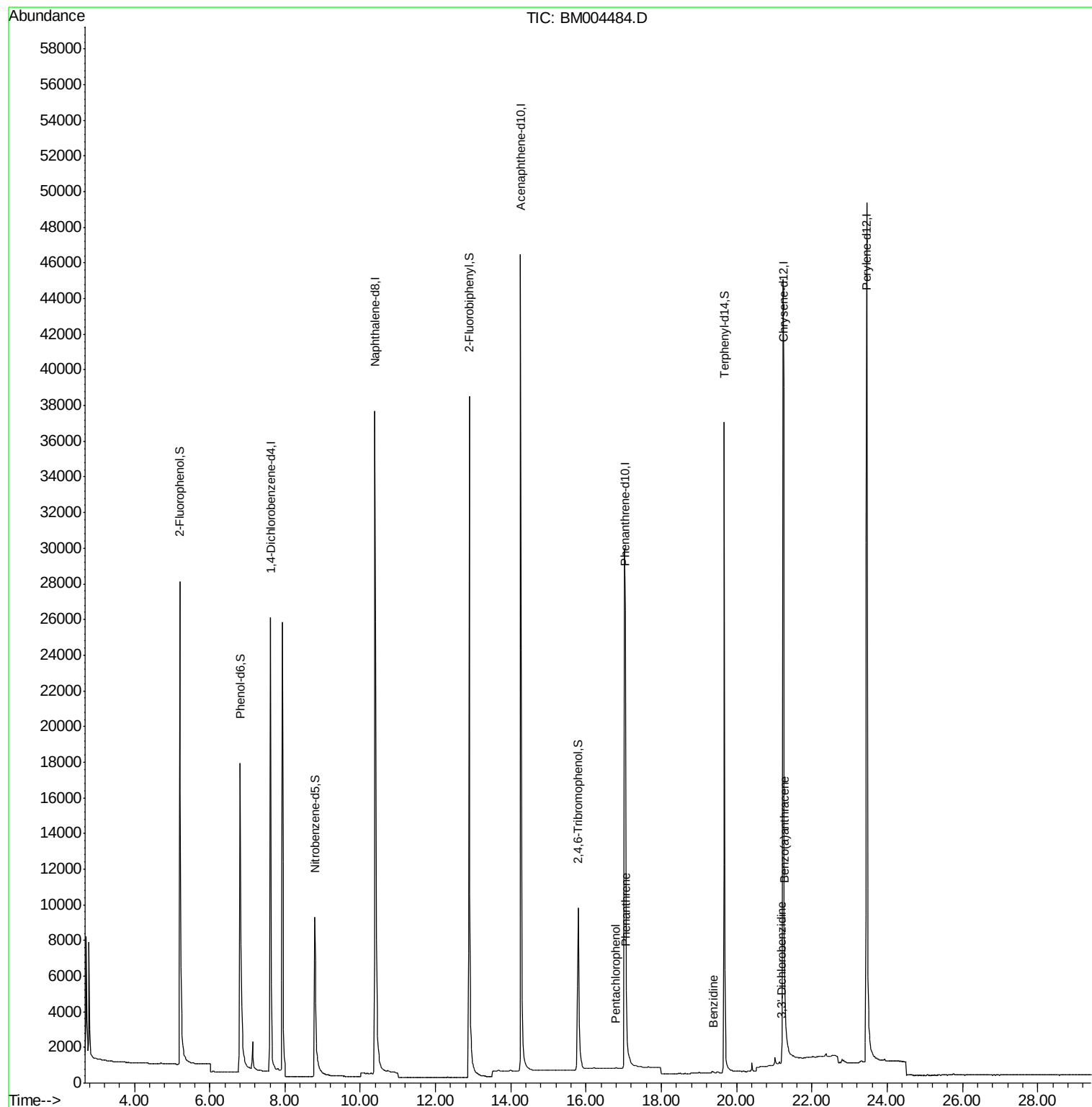
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	19154	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	71428	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	37028	5.00	ng	0.00
19) Phenanthrene-d10	17.04	188	74598	5.00	ng	0.02
26) Chrysene-d12	21.25	240	79505	5.00	ng	0.01
35) Perylene-d12	23.45	264	75995	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	31746	7.13	ng	-0.02
5) Phenol-d6	6.81	99	36156	7.19	ng	0.00
8) Nitrobenzene-d5	8.79	82	14154	3.89	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	9239	6.49	ng	0.00
15) 2-Fluorobiphenyl	12.89	172	49023	4.32	ng	0.00
29) Terphenyl-d14	19.67	244	44886	4.39	ng	0.00
Target Compounds						
10) Naphthalene	10.44	128	226	Below Cal	#	1
22) Pentachlorophenol	16.78	266	87	0.05 ng	#	78
23) Phenanthrene	17.06	178	164	0.02 ng	#	62
27) Benzidine	19.38	184	81	0.33 ng	#	1
30) Benzo(a)anthracene	21.27	228	3625	0.12 ng	#	88
31) 3,3'-Dichlorobenzidine	21.19	252	44	0.14 ng	#	68
32) Chrysene	21.27	228	3826	Below Cal	#	90

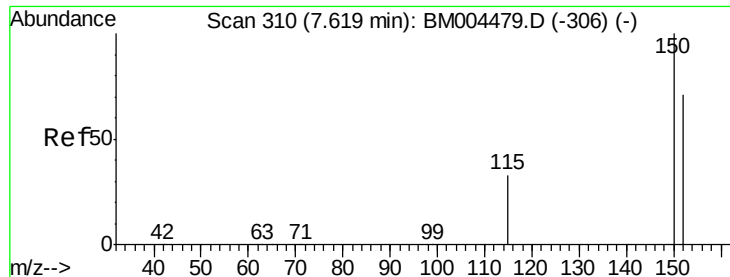
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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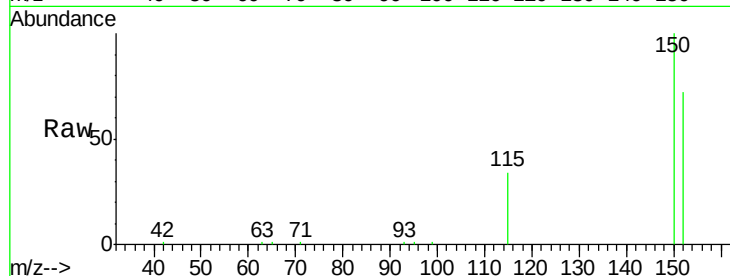


#1

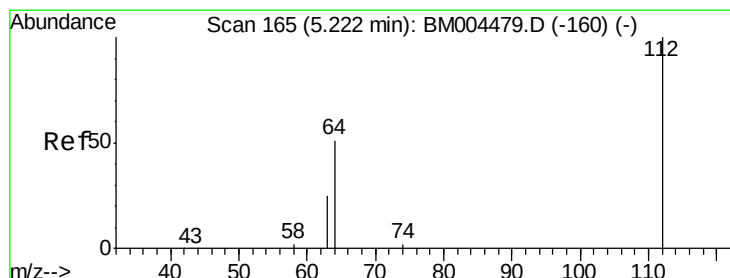
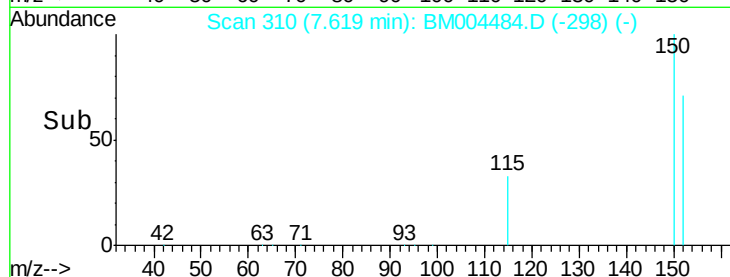
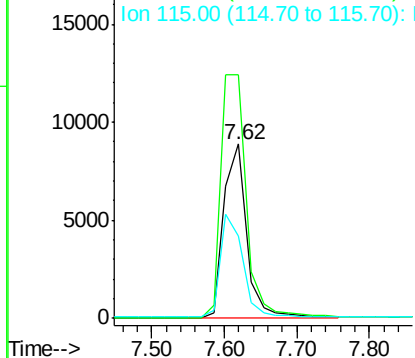
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Instrument :
BNA_M
ClientSampleId :
PB88423BL

Tgt Ion:152 Resp: 19154
Ion Ratio Lower Upper
152 100
150 139.8 111.9 167.9
115 47.0 37.7 56.5



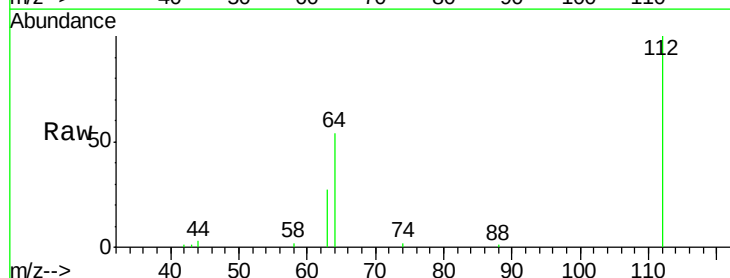
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



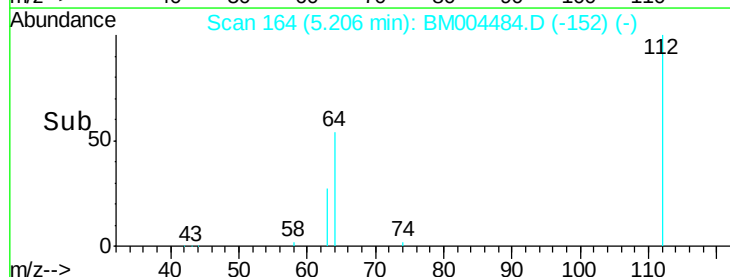
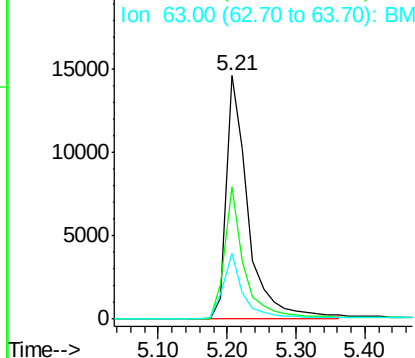
#4

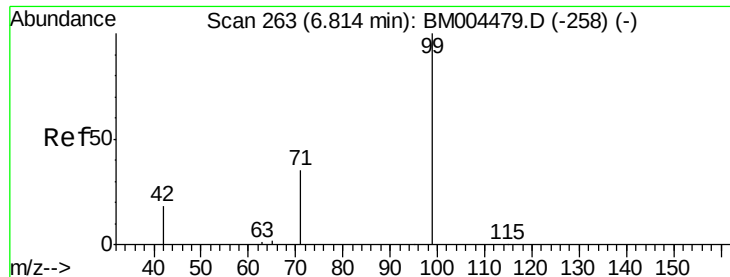
2-Fluorophenol
Concen: 7.13 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.02 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:112 Resp: 31746
Ion Ratio Lower Upper
112 100
64 49.0 39.6 59.4
63 24.7 20.0 30.0



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: 7.19 ng

RT: 6.81 min Scan# 263

Delta R.T. 0.00 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

BNA_M

ClientSampleId :

PB88423BL

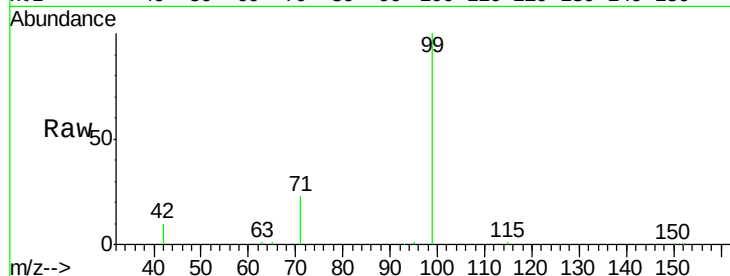
Tgt Ion: 99 Resp: 36156

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

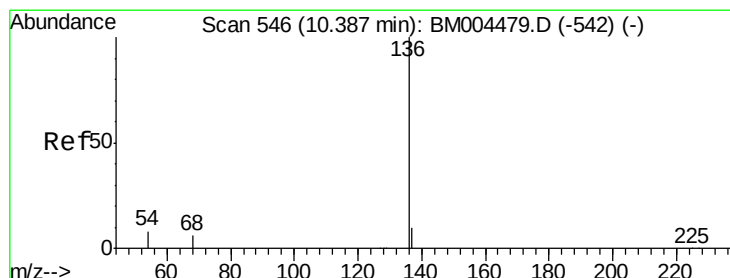
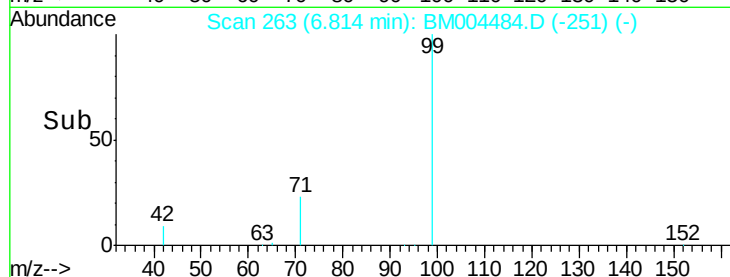
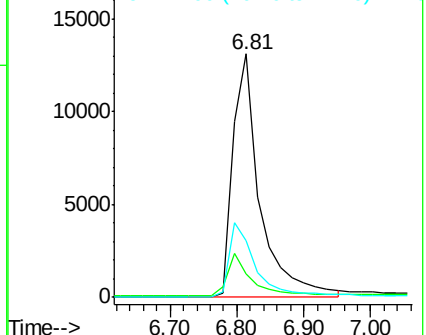
71 29.4 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM004484.D (-251) (-)

Ion 42.00 (41.70 to 42.70): BM004484.D (-251) (-)

Ion 71.00 (70.70 to 71.70): BM004484.D (-251) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 547

Delta R.T. 0.00 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Tgt Ion: 136 Resp: 71428

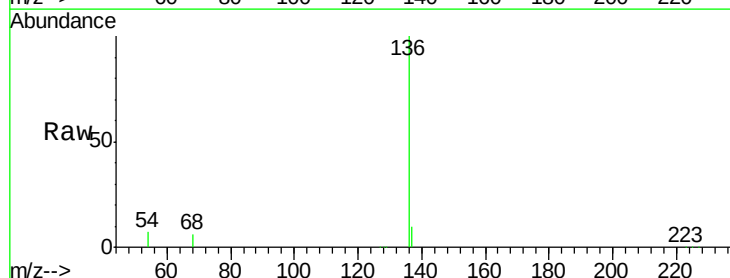
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.2

54 7.3 6.4 9.6

68 5.7 5.0 7.4

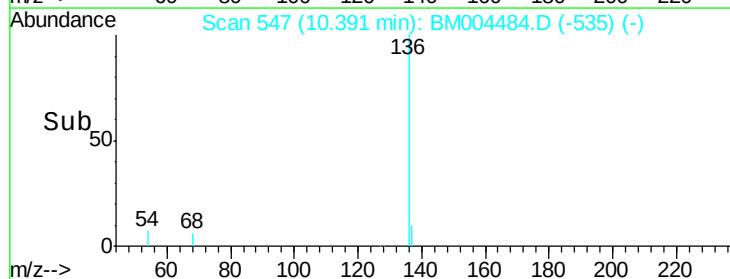
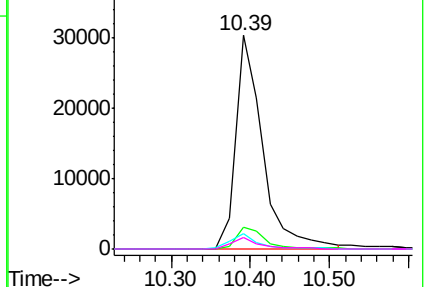


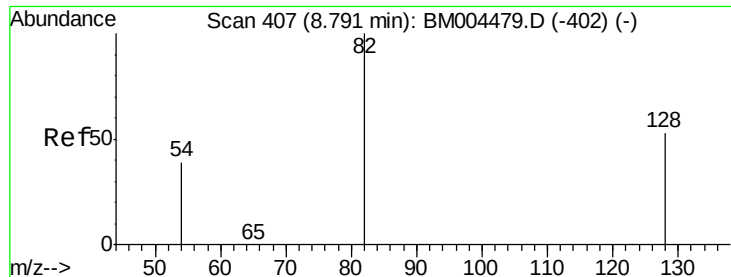
Abundance Ion 136.00 (135.70 to 136.70): BM004484.D (-535) (-)

Ion 137.00 (136.70 to 137.70): BM004484.D (-535) (-)

Ion 54.00 (53.70 to 54.70): BM004484.D (-535) (-)

Ion 68.00 (67.70 to 68.70): BM004484.D (-535) (-)





#8

Nitrobenzene-d5

Concen: 3.89 ng

RT: 8.79 min Scan# 408

Delta R.T. 0.00 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

BNA_M

ClientSampleId :

PB88423BL

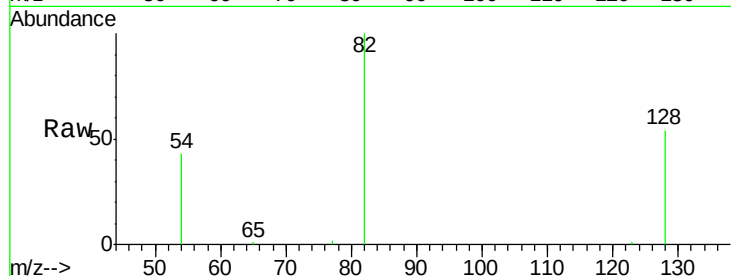
Tgt Ion: 82 Resp: 14154

Ion Ratio Lower Upper

82 100

128 53.8 43.7 65.5

54 43.0 33.5 50.3



Abundance Ion 82.00 (81.70 to 82.70): BM004479.D (-402) (-)

Ion 128.00 (127.70 to 128.70): BM004479.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM004479.D (-402) (-)

8.79

4000

3000

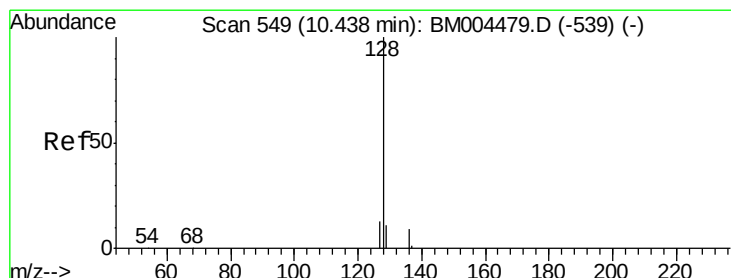
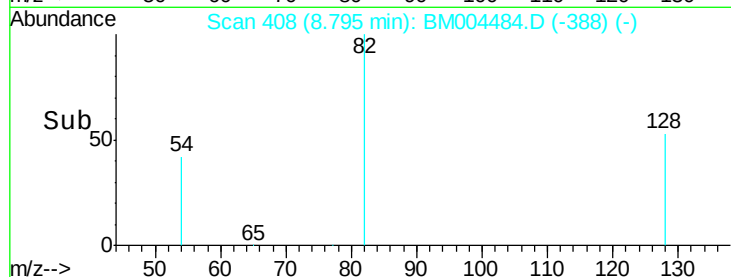
2000

1000

0

8.70 8.80 8.90 9.00

Time-->



#10

Naphthalene

Concen: Below Cal

RT: 10.44 min Scan# 550

Delta R.T. 0.00 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

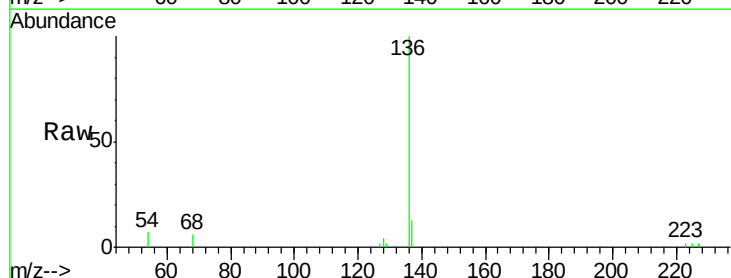
Tgt Ion: 128 Resp: 226

Ion Ratio Lower Upper

128 100

129 56.3 8.9 13.3#

127 50.0 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): BM004479.D (-539) (-)

Ion 129.00 (128.70 to 129.70): BM004479.D (-539) (-)

Ion 127.00 (126.70 to 127.70): BM004479.D (-539) (-)

10.44

150

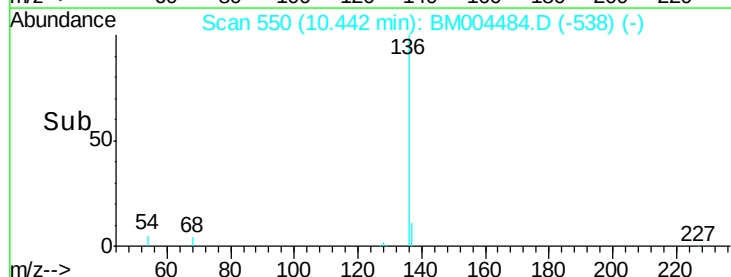
100

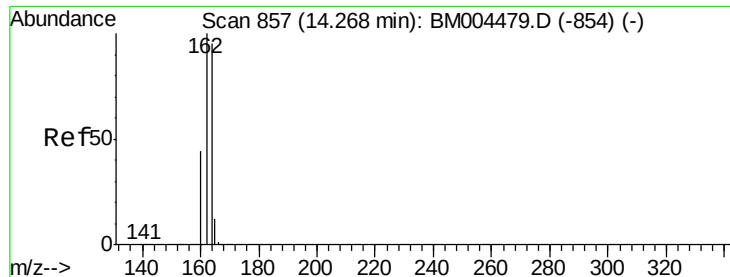
50

0

10.20 10.40 10.60

Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 857

Delta R.T. -0.01 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

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PB88423BL

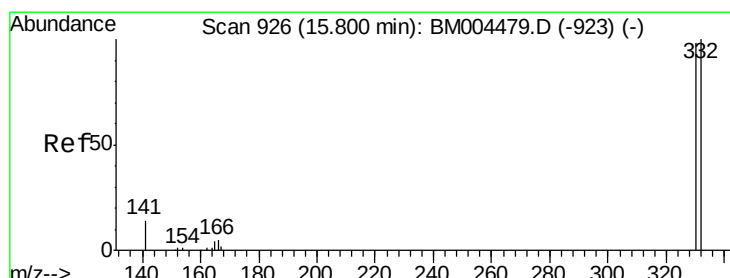
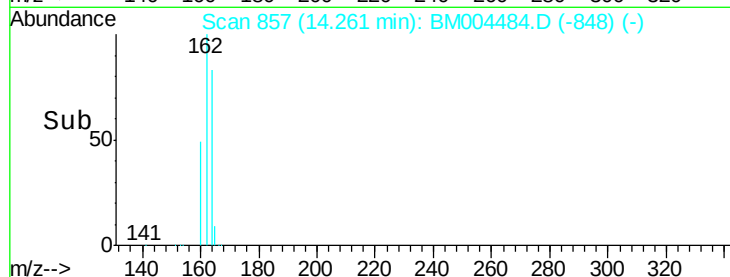
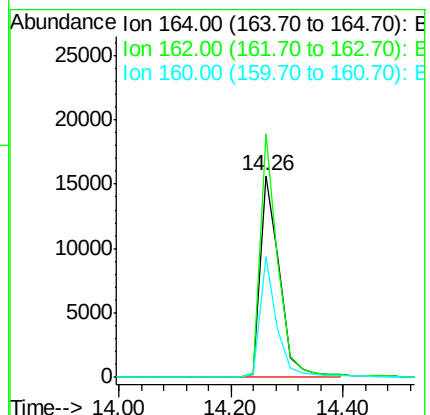
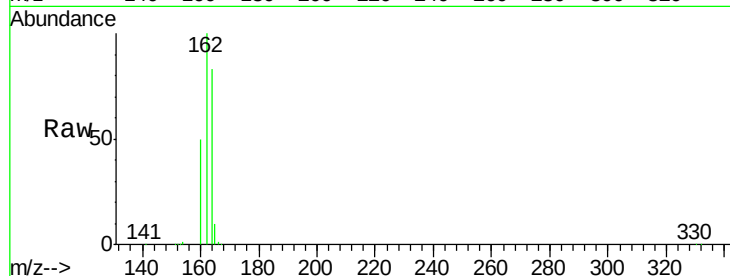
Tgt Ion:164 Resp: 37028

Ion Ratio Lower Upper

164 100

162 120.5 84.2 126.4

160 59.8 37.4 56.2#



#14

2,4,6-Tribromophenol

Concen: 6.49 ng

RT: 15.79 min Scan# 926

Delta R.T. -0.01 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

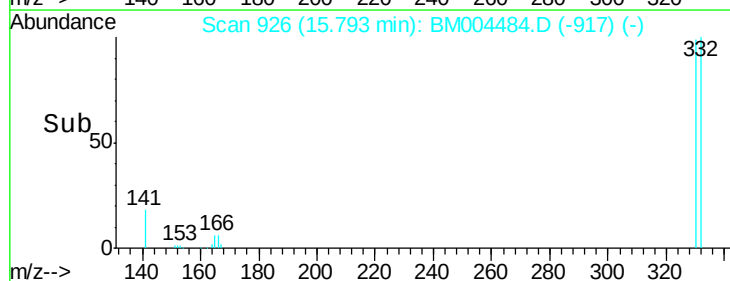
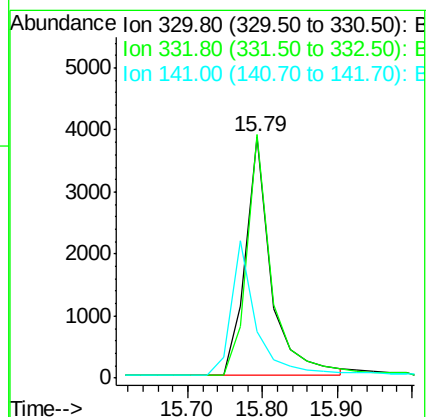
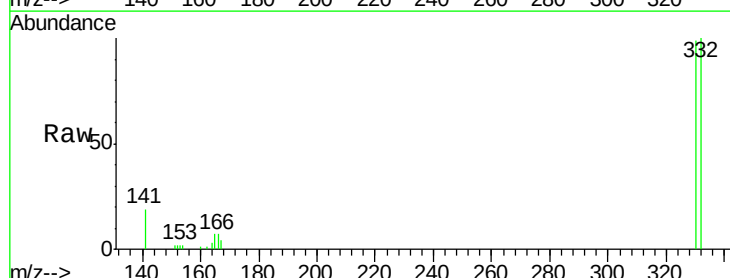
Tgt Ion:330 Resp: 9239

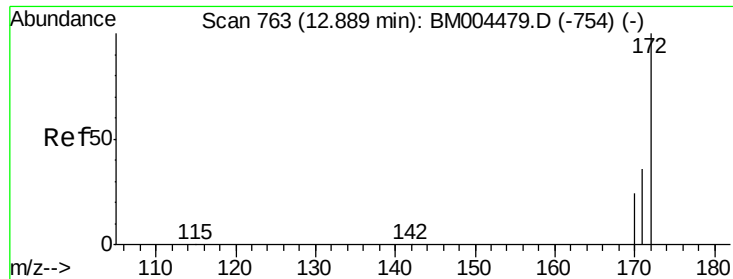
Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

141 0.0 0.0 0.0

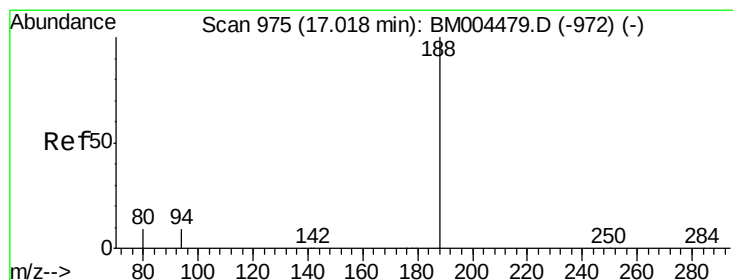
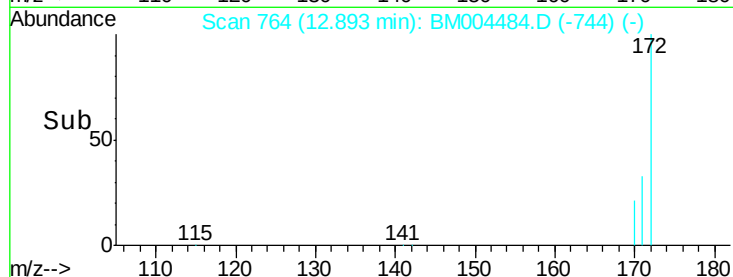
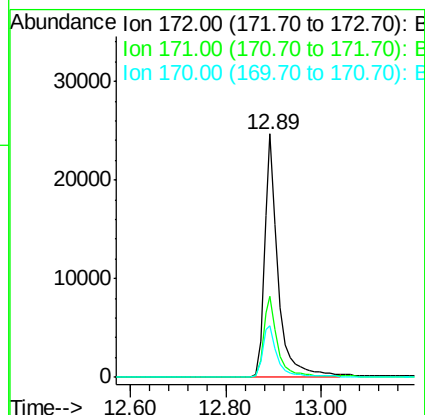
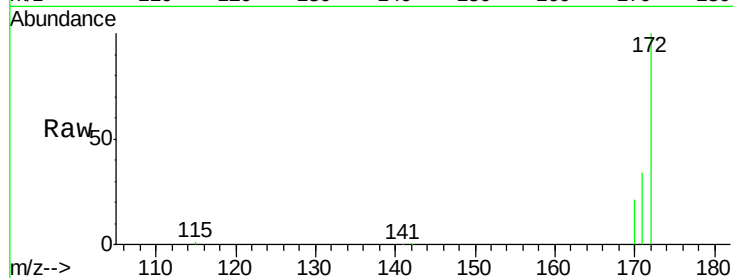




#15
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 12.89 min Scan# 764
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

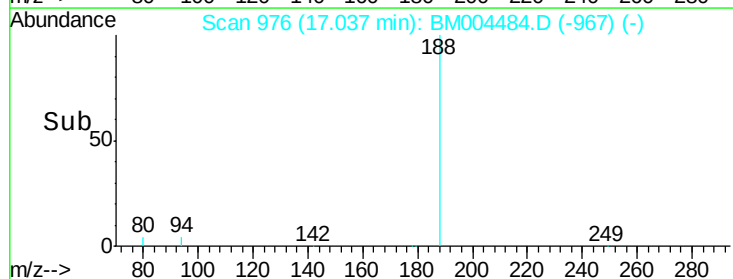
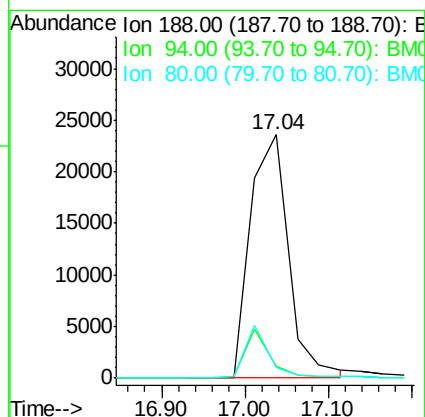
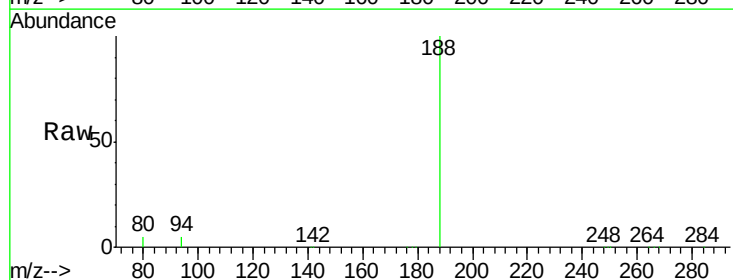
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ClientSampleId :
PB88423BL

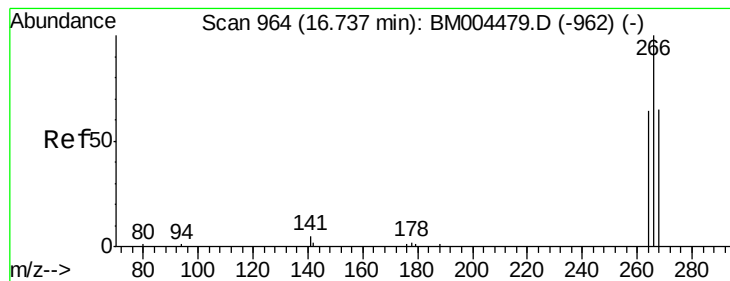
Tgt Ion:172 Resp: 49023
Ion Ratio Lower Upper
172 100
171 33.5 29.2 43.8
170 21.4 19.7 29.5



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.04 min Scan# 976
Delta R.T. 0.02 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:188 Resp: 74598
Ion Ratio Lower Upper
188 100
94 4.8 7.4 11.0#
80 4.5 6.9 10.3#





#22

Pentachlorophenol

Concen: 0.05 ng

RT: 16.78 min Scan# 966

Delta R.T. 0.04 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

BNA_M

ClientSampleId :

PB88423BL

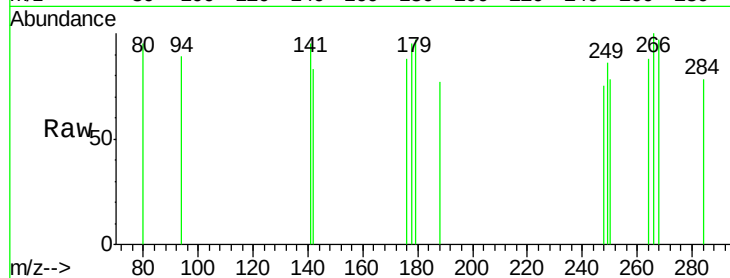
Tgt Ion: 266 Resp: 87

Ion Ratio Lower Upper

266 100

268 96.9 60.7 91.1#

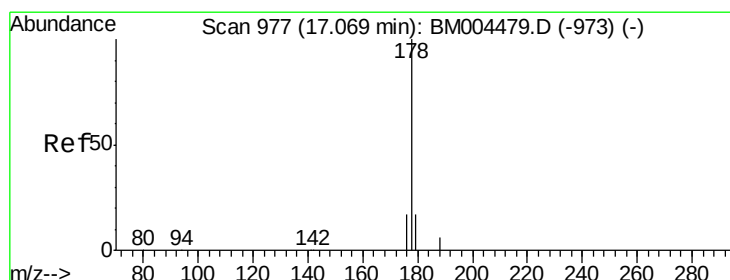
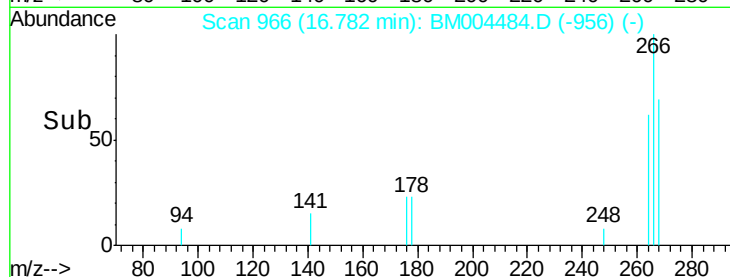
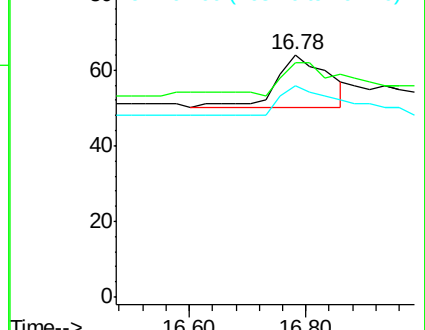
264 87.5 57.1 85.7#



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: 0.02 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

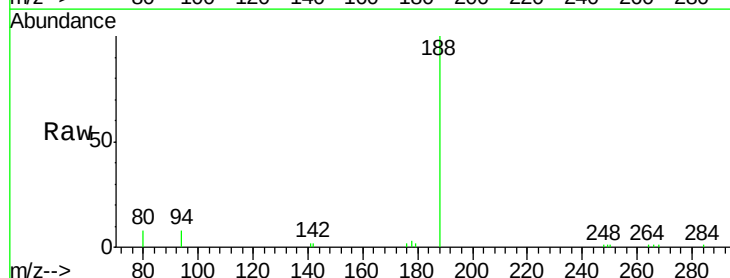
Tgt Ion: 178 Resp: 164

Ion Ratio Lower Upper

178 100

176 35.4 14.7 22.1#

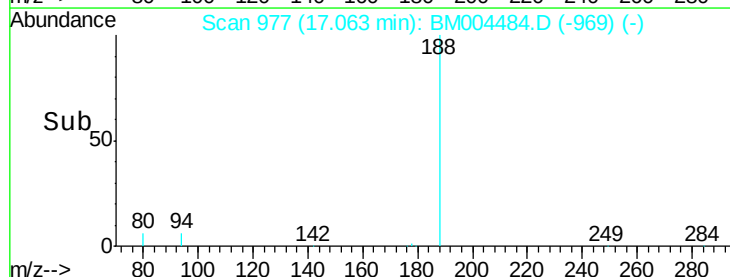
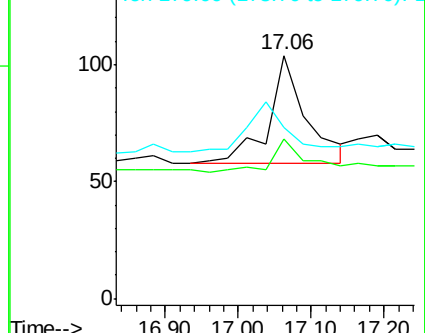
179 0.0 12.9 19.3#

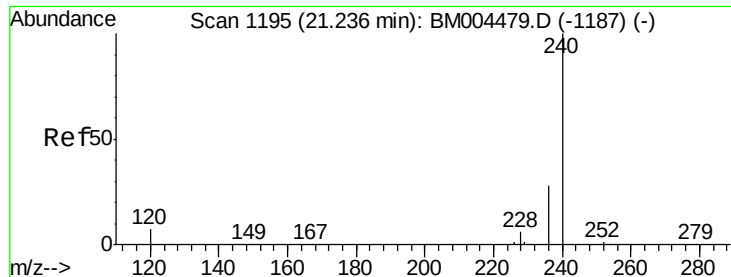


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

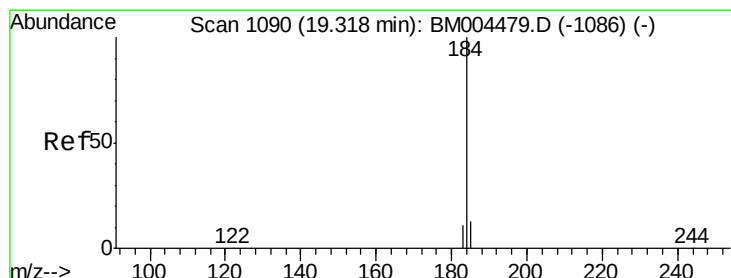
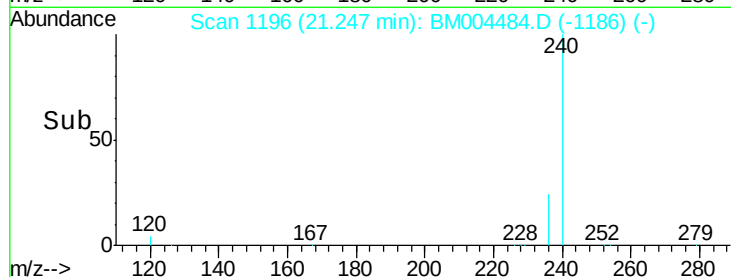
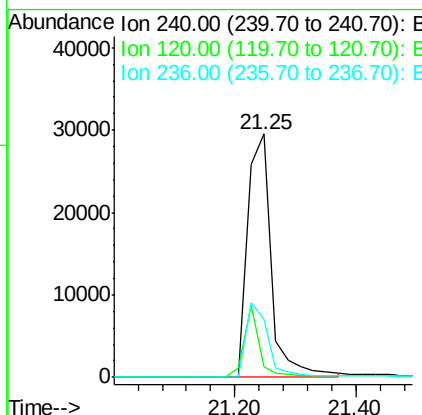
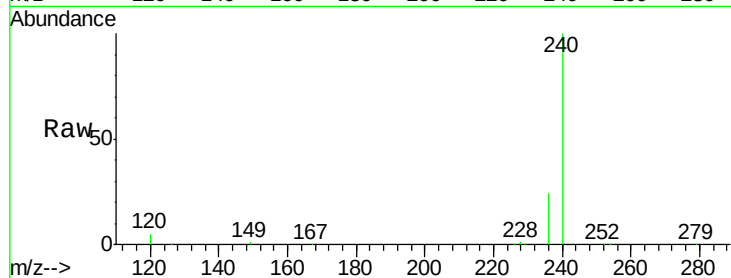




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

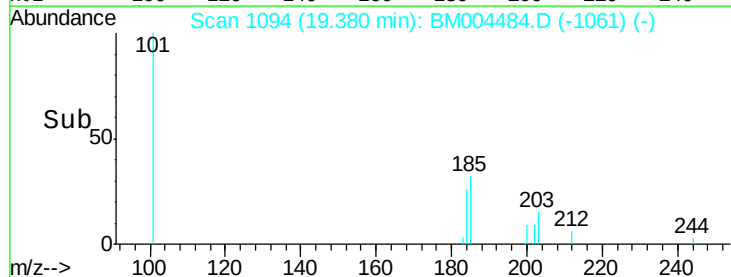
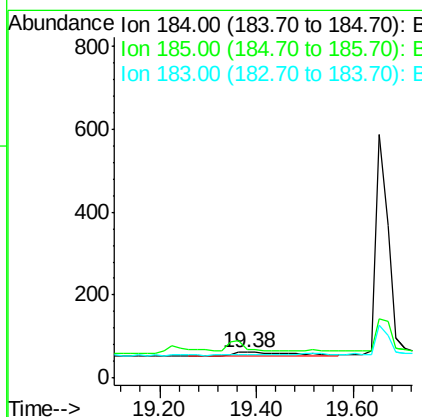
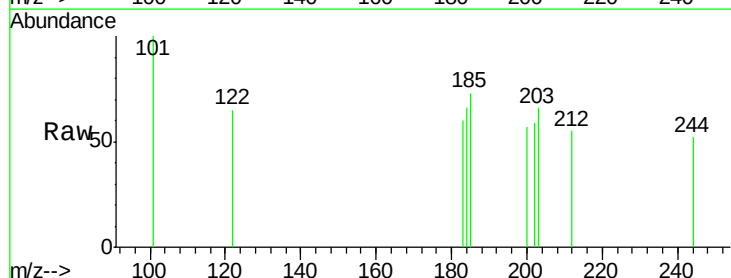
Instrument :
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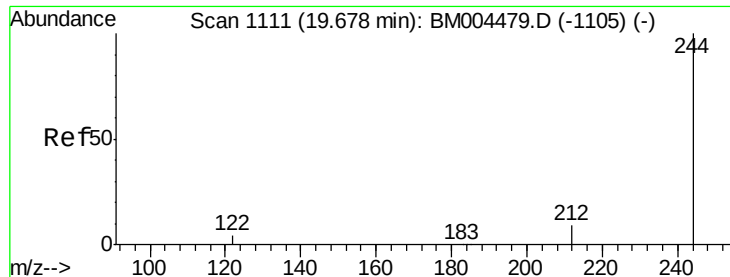
Tgt Ion: 240 Resp: 79505
Ion Ratio Lower Upper
240 100
120 4.6 6.1 9.1#
236 23.8 22.6 34.0



#27
Benzidine
Concen: 0.33 ng
RT: 19.38 min Scan# 1094
Delta R.T. 0.06 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion: 184 Resp: 81
Ion Ratio Lower Upper
184 100
185 111.3 16.6 24.8#
183 90.3 12.3 18.5#





#29

Terphenyl-d14

Concen: 4.39 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

BNA_M

ClientSampleId :

PB88423BL

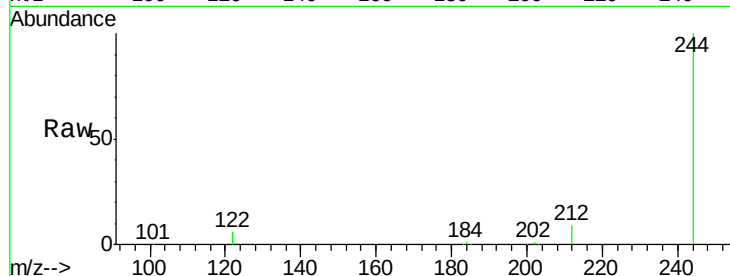
Tgt Ion:244 Resp: 44886

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

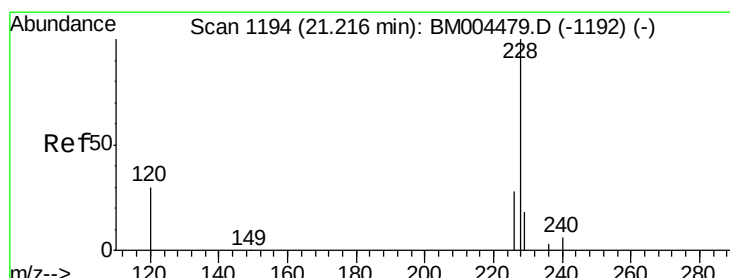
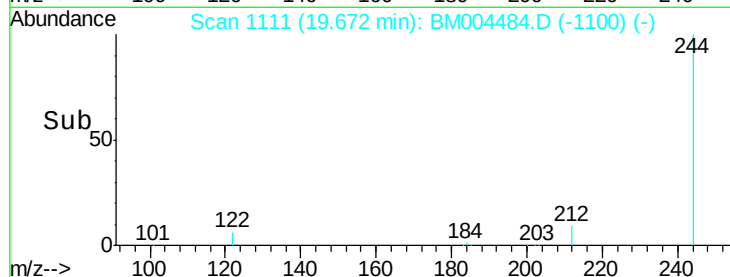
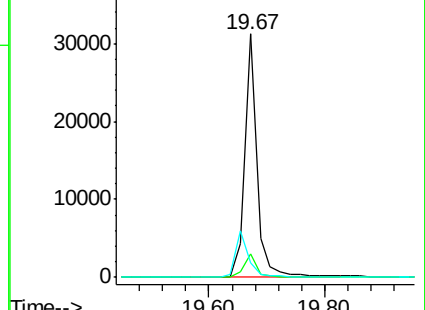
122 5.8 4.2 6.2



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: 0.12 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

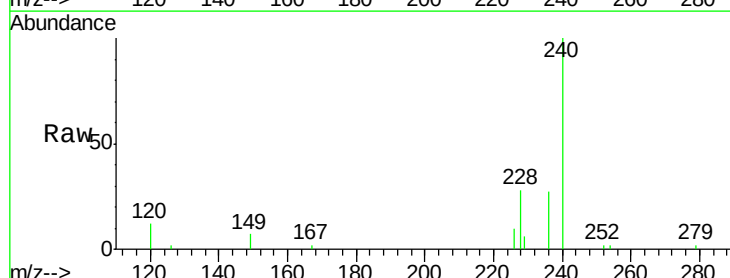
Tgt Ion:228 Resp: 3625

Ion Ratio Lower Upper

228 100

226 35.8 22.8 34.2#

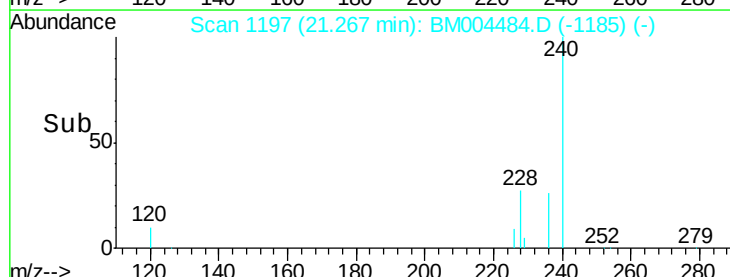
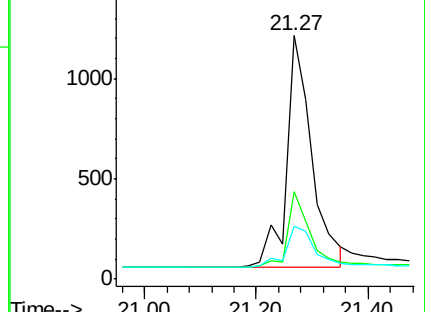
229 22.0 14.6 22.0#

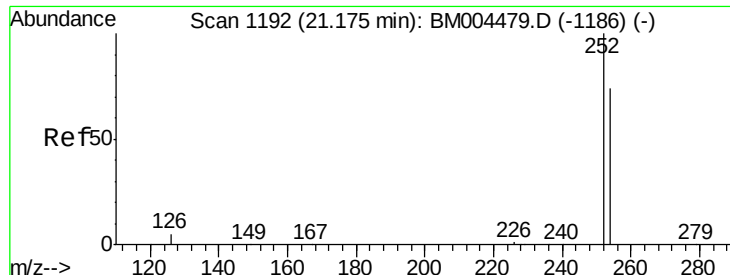


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

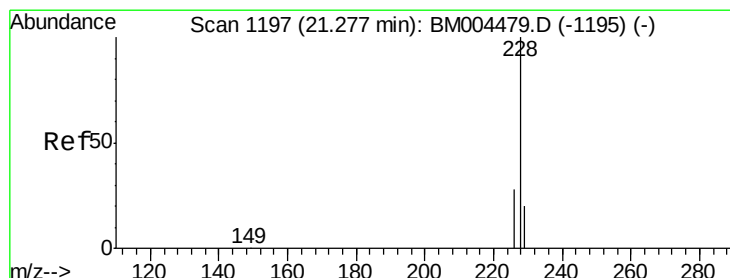
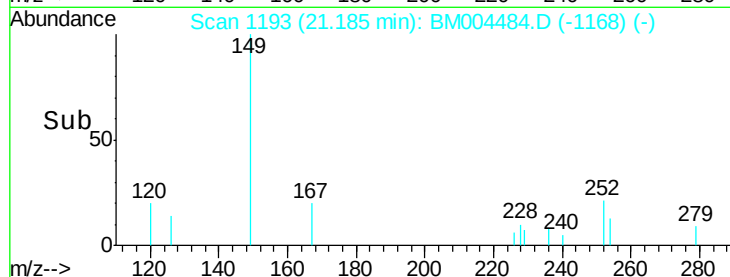
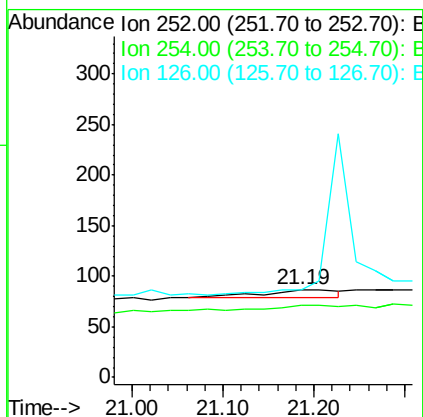
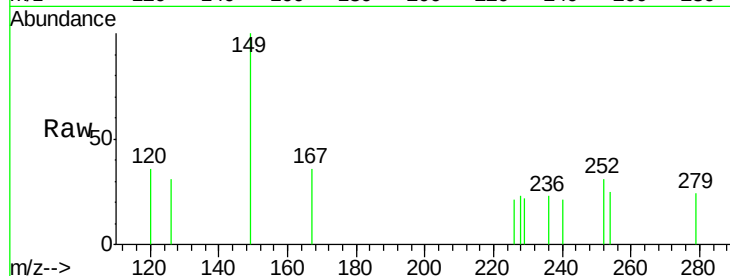




#31
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 21.19 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BM004484.D
 Acq: 01 Mar 2016 00:12

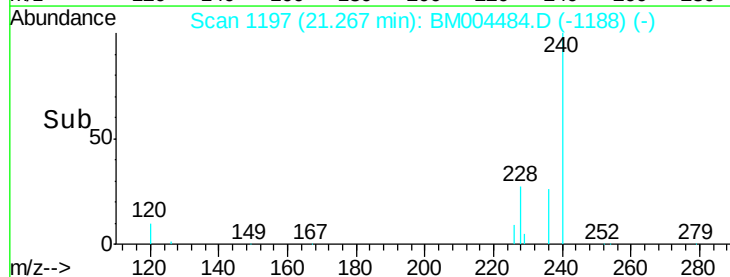
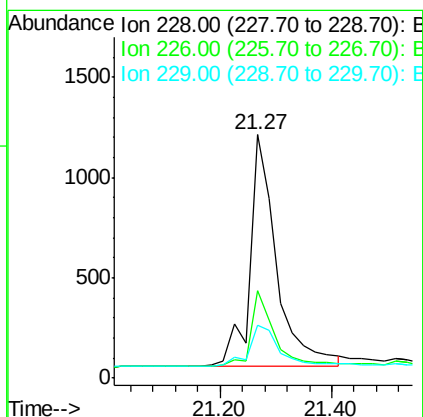
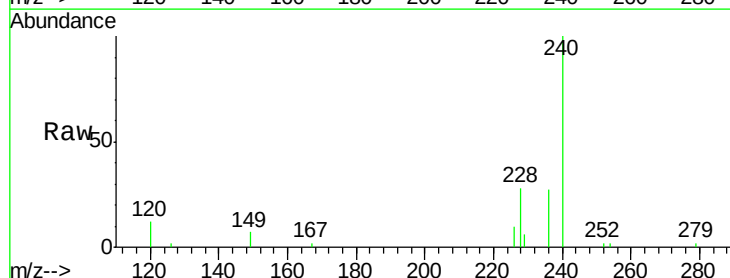
Instrument :
 BNA_M
 ClientSampleId :
 PB88423BL

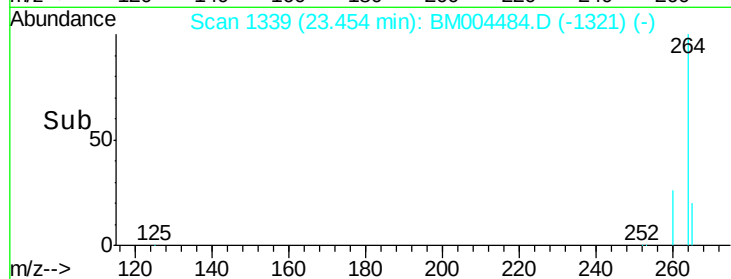
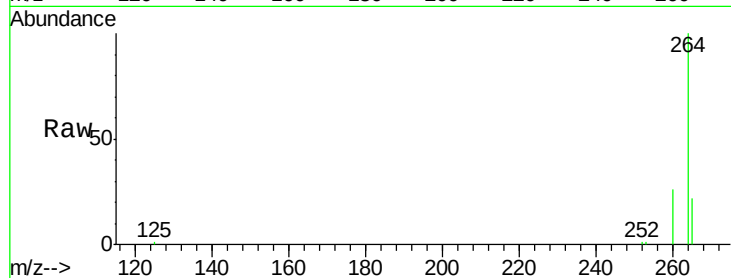
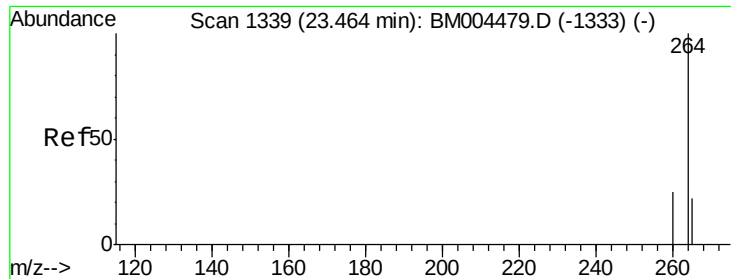
Tgt Ion: 252 Resp: 44
 Ion Ratio Lower Upper
 252 100
 254 82.8 59.4 89.0
 126 100.0 5.5 8.3#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BM004484.D
 Acq: 01 Mar 2016 00:12

Tgt Ion: 228 Resp: 3826
 Ion Ratio Lower Upper
 228 100
 226 35.8 21.4 32.2#
 229 22.0 17.1 25.7





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.45 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM004484.D

Acq: 01 Mar 2016 00:12

Instrument :

BNA_M

ClientSampleId :

PB88423BL

Tgt Ion: 264 Resp: 75995

Ion Ratio Lower Upper

264 100

260 26.3 19.8 29.6

265 22.0 18.9 28.3

