

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001048.D
 Acq On : 18 Apr 2015 06:50
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 18 07:41:29 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:45:49 2015
 Response via : Initial Calibration

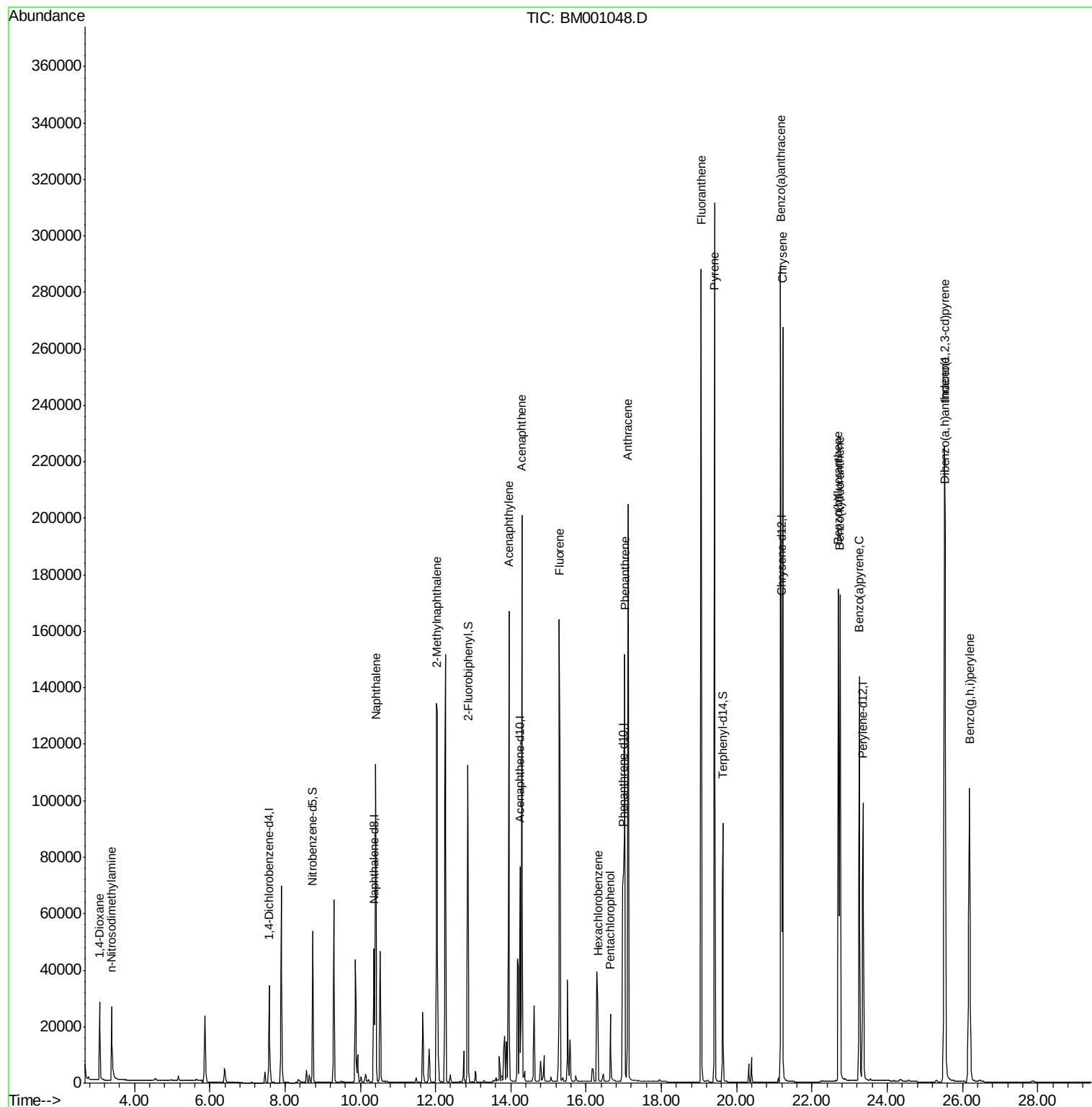
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	17193	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	62176	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	33559	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	143167	5.00	ng	0.00
19) Chrysene-d12	21.19	240	131433	5.00	ng	0.00
25) Perylene-d12	23.36	264	119218	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	43702	14.06	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	113599	10.87	ng	0.00
21) Terphenyl-d14	19.63	244	100198	6.28	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.07	88	16507	11.33	ng	# 100
3) n-Nitrosodimethylamine	3.38	42	21678	13.46	ng	98
6) Naphthalene	10.41	128	154868	10.73	ng	99
7) 2-Methylnaphthalene	12.04	142	115038	12.55	ng	96
10) Acenaphthylene	13.95	152	203403	13.68	ng	100
11) Acenaphthene	14.29	154	116523	11.35	ng	100
12) Fluorene	15.29	166	142888	12.35	ng	100
14) Hexachlorobenzene	16.31	284	46564	5.63	ng	# 100
15) Pentachlorophenol	16.64	266	20462	9.79	ng	96
16) Phenanthrene	17.03	178	221747	5.70	ng	99
17) Anthracene	17.11	178	227085	6.86	ng	100
18) Fluoranthene	19.05	202	249637	6.42	ng	99
20) Pyrene	19.42	202	261012	6.09	ng	100
22) Benzo(a)anthracene	21.17	228	231780	6.16	ng	96
23) Chrysene	21.22	228	218279	5.56	ng	97
24) Indeno(1,2,3-cd)pyrene	25.53	276	241896	5.94	ng	99
26) Benzo(b)fluoranthene	22.70	252	217159	5.78	ng	97
27) Benzo(k)fluoranthene	22.74	252	221759	6.16	ng	96
28) Benzo(a)pyrene	23.25	252	200772	6.22	ng	97
29) Dibenzo(a,h)anthracene	25.54	278	189303	5.95	ng	98
30) Benzo(g,h,i)perylene	26.18	276	197679	5.76	ng	99

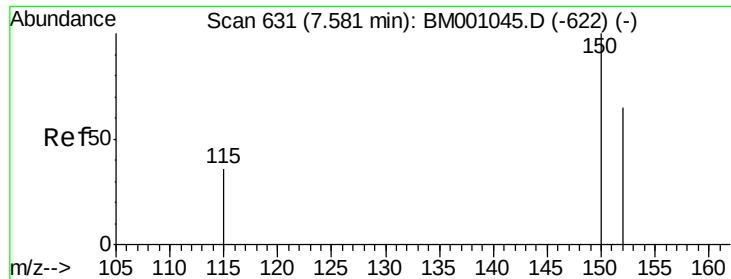
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

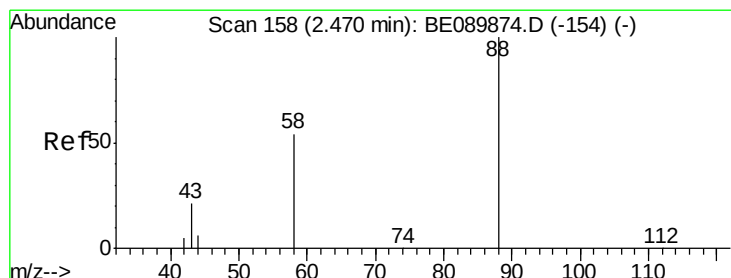
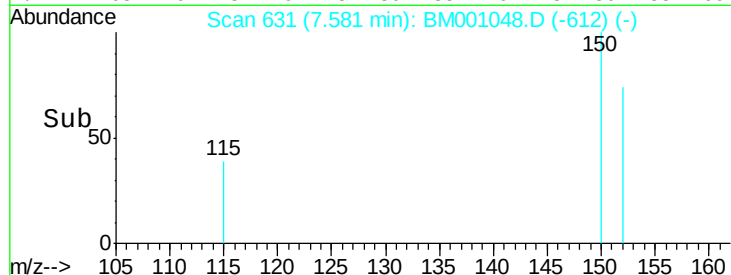
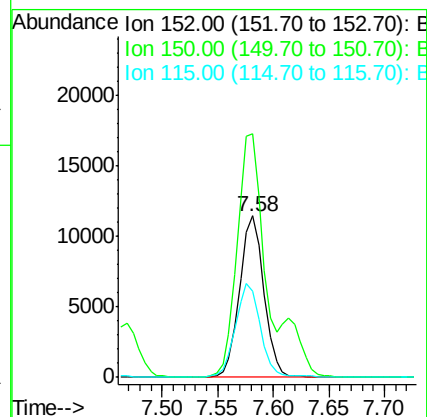
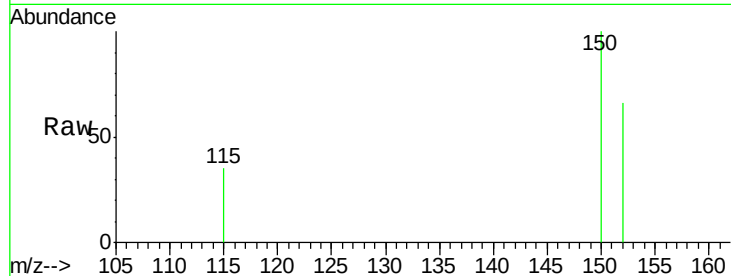
Tot Ion:152 Resp: 17193

Ion Ratio Lower Upper

152 100

150 151.1 123.3 184.9

115 53.4 45.0 67.6



#2

1,4-Dioxane

Concen: 11.33 ng

RT: 3.07 min Scan# 38

Delta R.T. -0.01 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

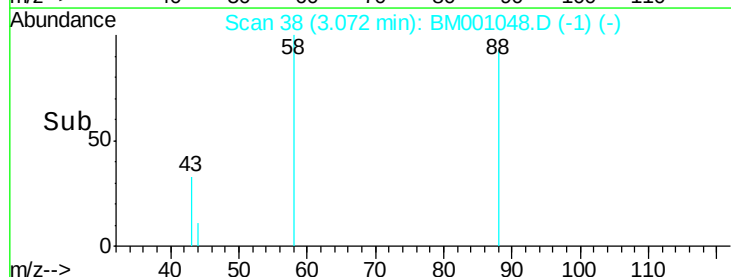
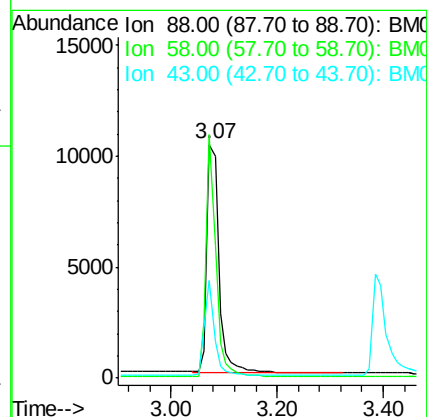
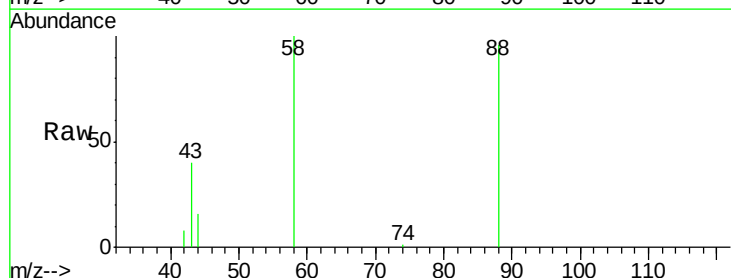
Tgt Ion: 88 Resp: 16507

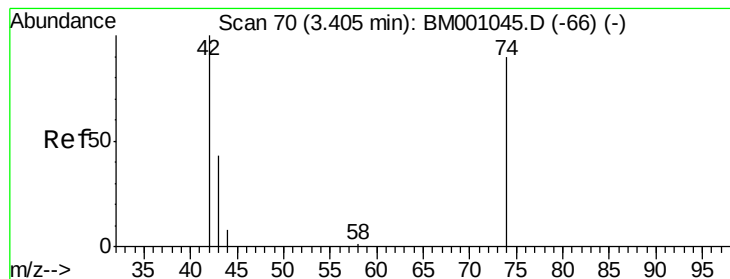
Ion Ratio Lower Upper

88 100

58 85.1 0.0 0.0#

43 34.3 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 13.46 ng

RT: 3.38 min Scan# 68

Delta R.T. -0.02 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

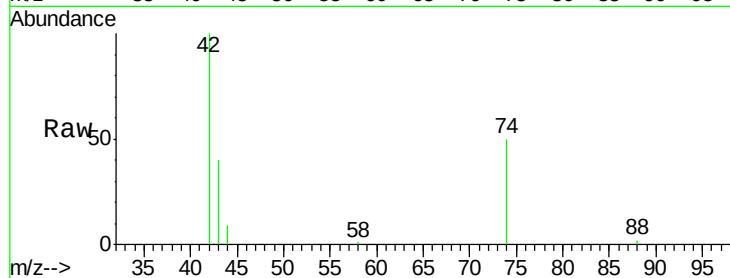
Tot Ion: 42 Resp: 21678

Ion Ratio Lower Upper

42 100

74 112.5 92.1 138.1

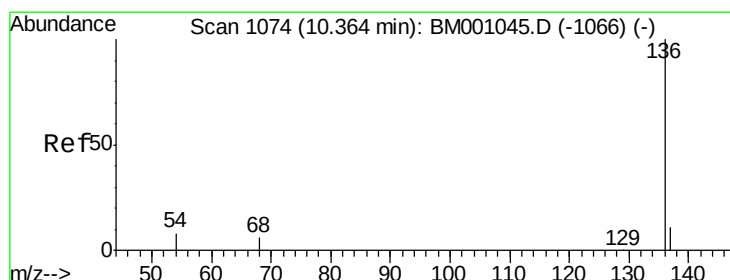
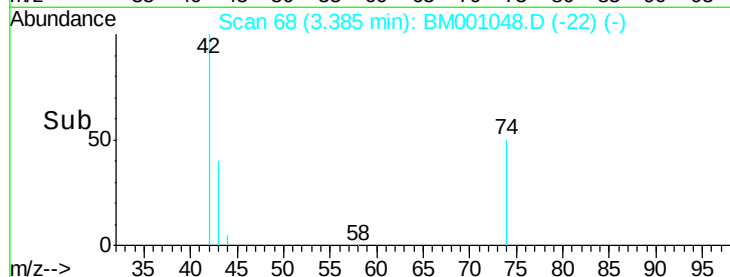
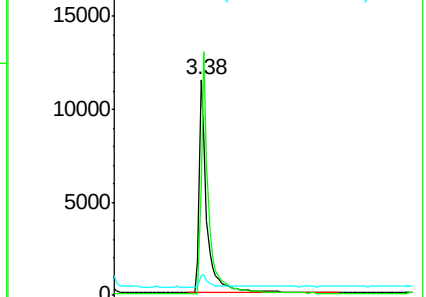
44 6.4 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001048.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001048.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001048.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

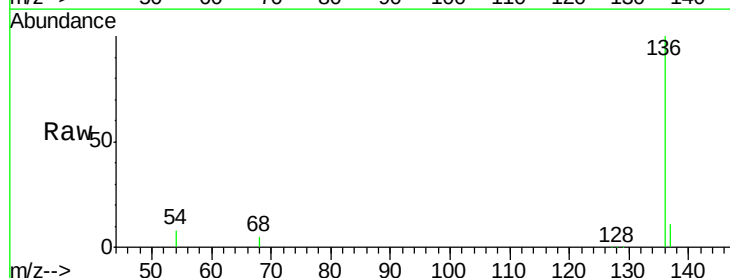
Tgt Ion: 136 Resp: 62176

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

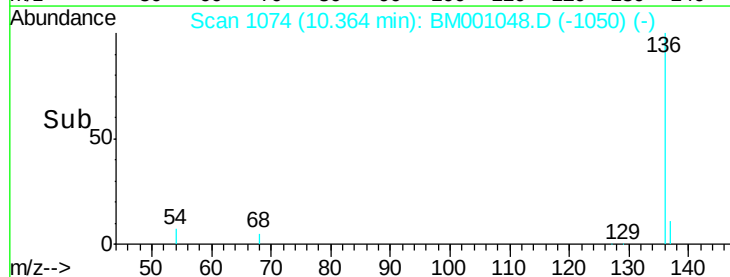
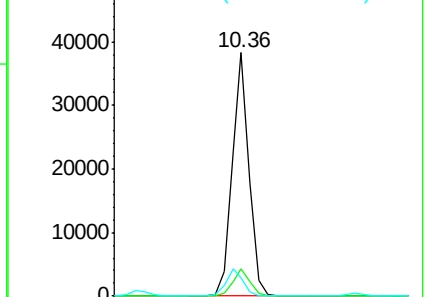
54 7.6 6.5 9.7

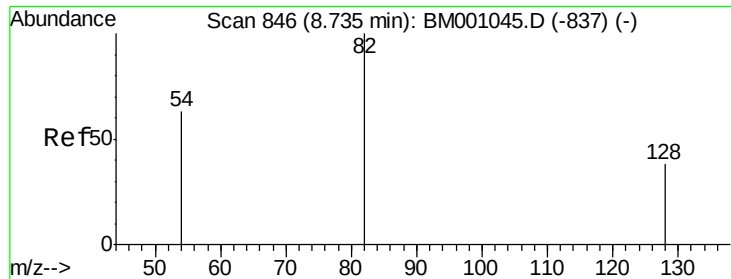


Abundance Ion 136.00 (135.70 to 136.70): BM001048.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001048.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001048.D (-1066) (-)





#5

Nitrobenzene-d5

Concen: 14.06 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

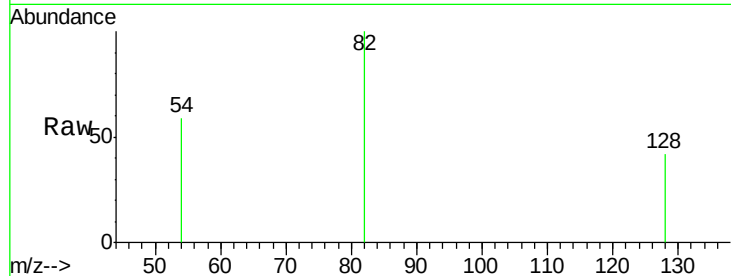
Tot Ion: 82 Resp: 43702

Ion Ratio Lower Upper

82 100

128 42.2 31.9 47.9

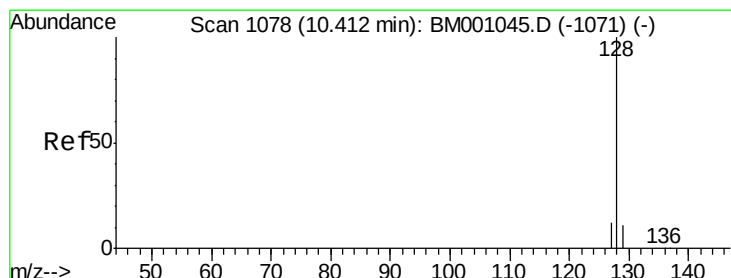
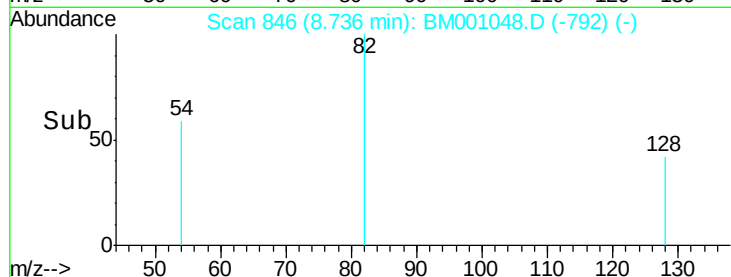
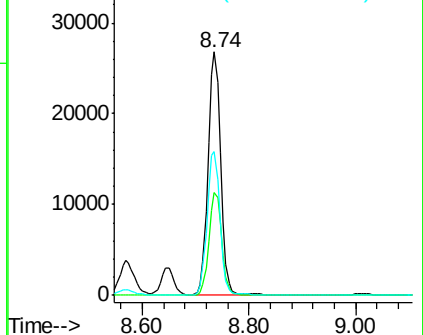
54 59.0 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001048.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001048.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001048.D (-837) (-)



#6

Naphthalene

Concen: 10.73 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

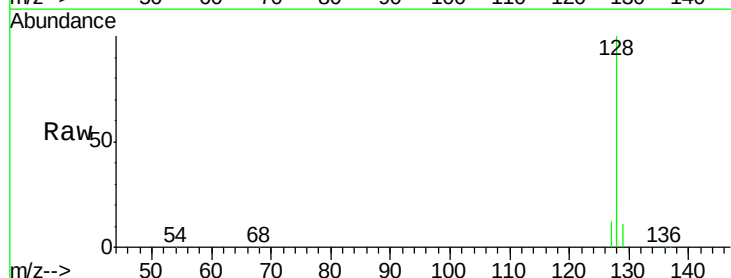
Tgt Ion: 128 Resp: 154868

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

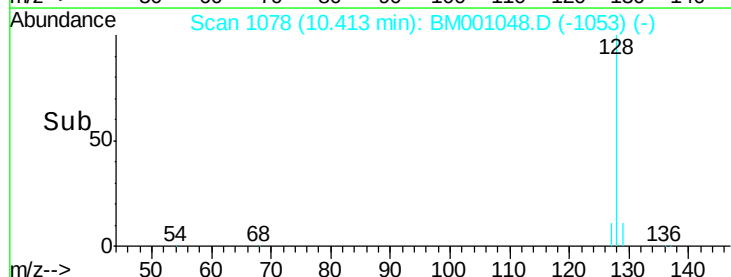
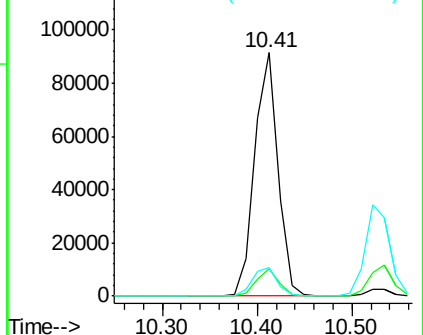
127 11.9 10.0 15.0

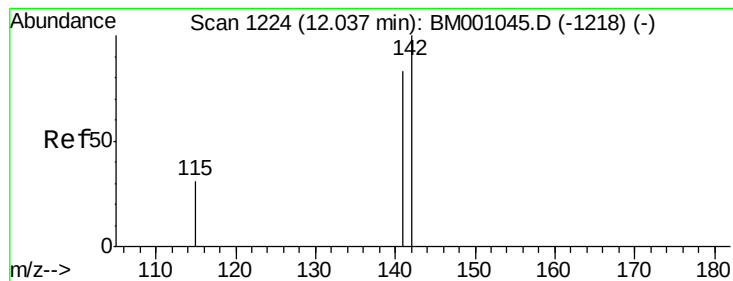


Abundance Ion 128.00 (127.70 to 128.70): BM001048.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001048.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001048.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 12.55 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

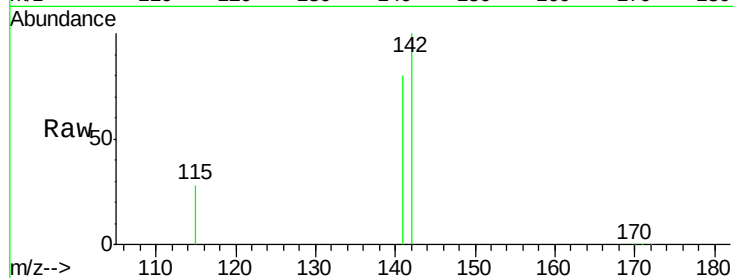
Tot Ion:142 Resp: 115038

Ion Ratio Lower Upper

142 100

141 80.2 66.7 100.1

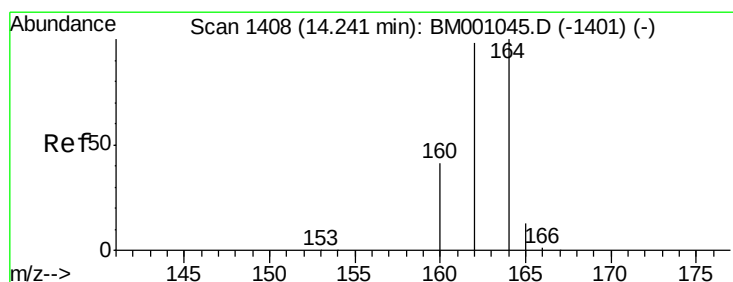
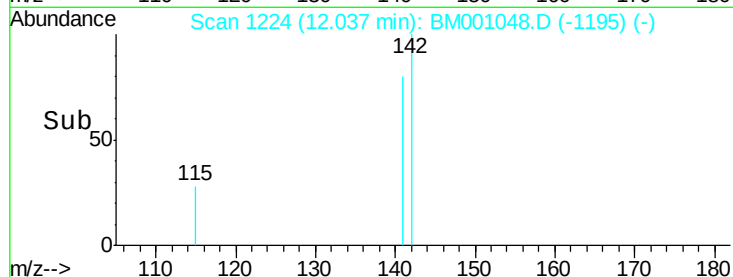
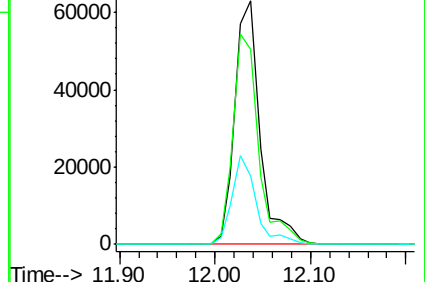
115 28.3 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

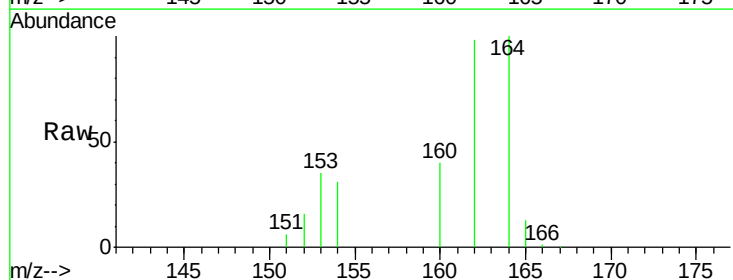
Tgt Ion:164 Resp: 33559

Ion Ratio Lower Upper

164 100

162 97.7 78.5 117.7

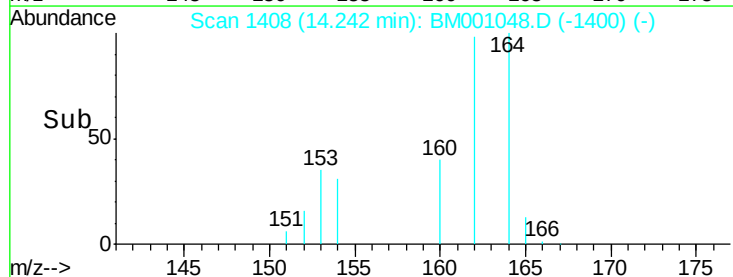
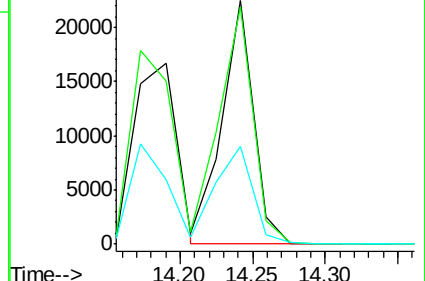
160 40.3 32.9 49.3

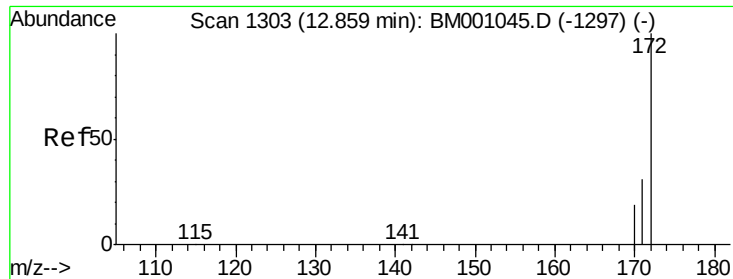


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 10.87 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001048.D

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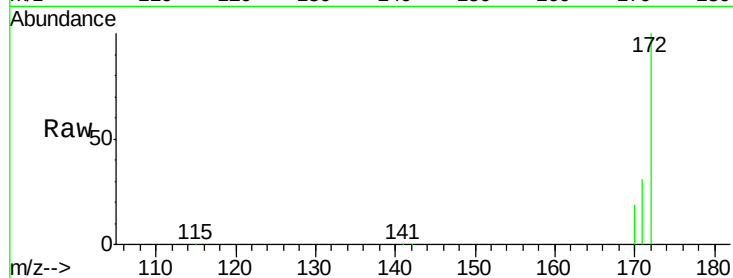
Tot Ion:172 Resp: 113599

Ion Ratio Lower Upper

172 100

171 31.2 25.6 38.4

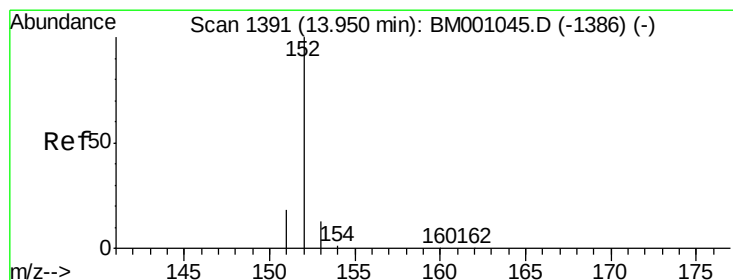
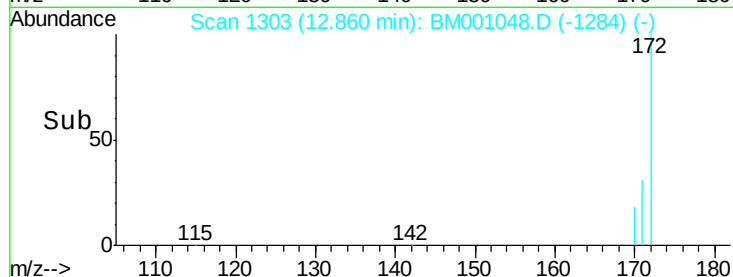
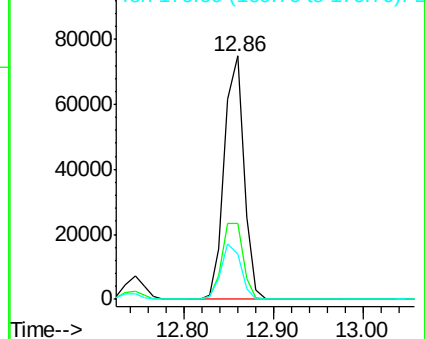
170 18.5 15.8 23.6



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



#10

Acenaphthylene

Concen: 13.68 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

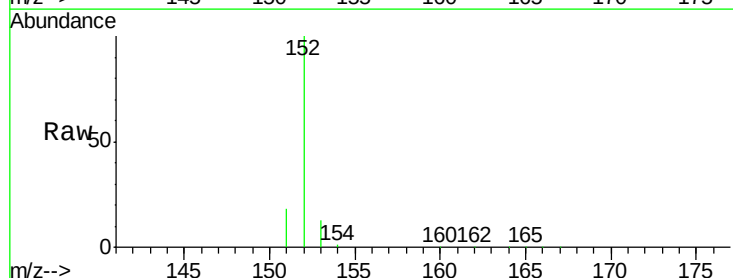
Tgt Ion:152 Resp: 203403

Ion Ratio Lower Upper

152 100

151 18.6 14.7 22.1

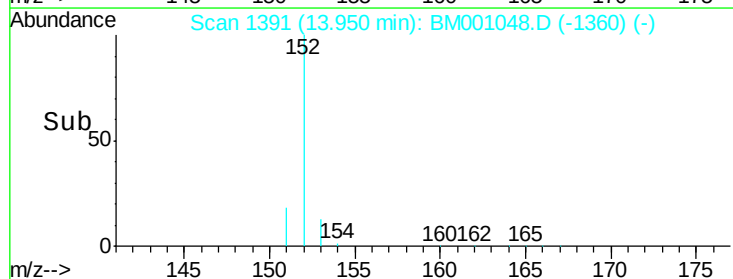
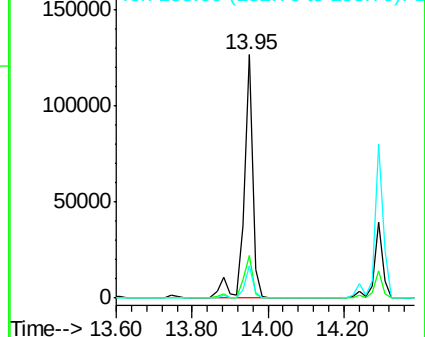
153 12.9 10.2 15.2

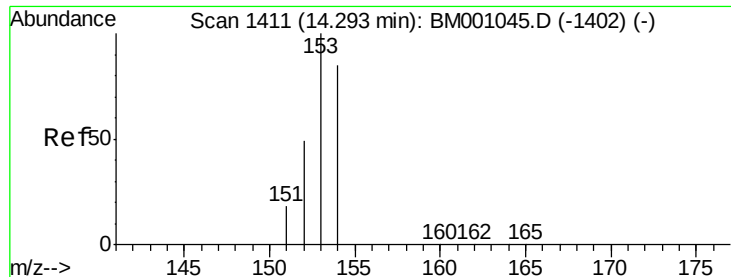


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 11.35 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

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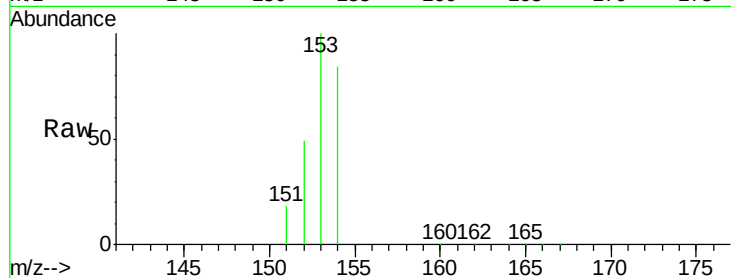
Tot Ion:154 Resp: 116523

Ion Ratio Lower Upper

154 100

153 110.5 88.1 132.1

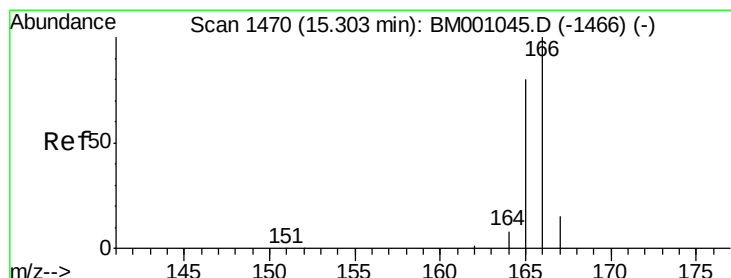
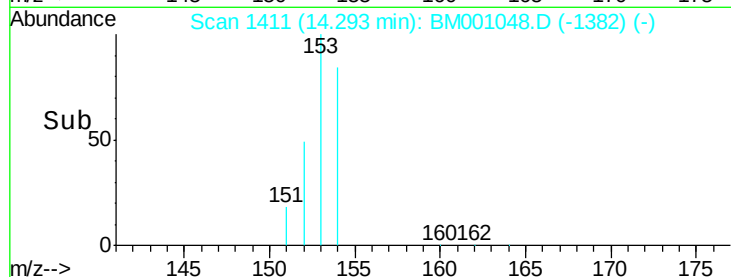
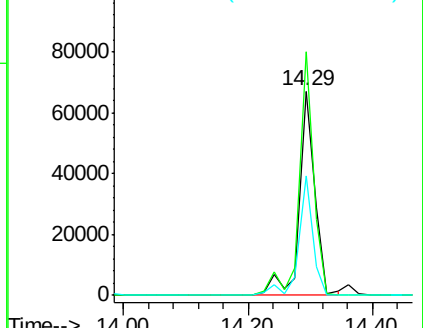
152 53.0 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 12.35 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

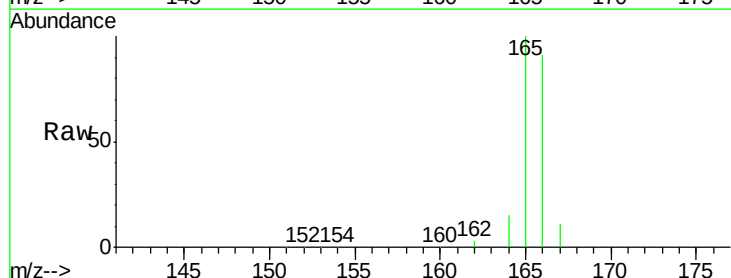
Tgt Ion:166 Resp: 142888

Ion Ratio Lower Upper

166 100

165 96.5 77.6 116.4

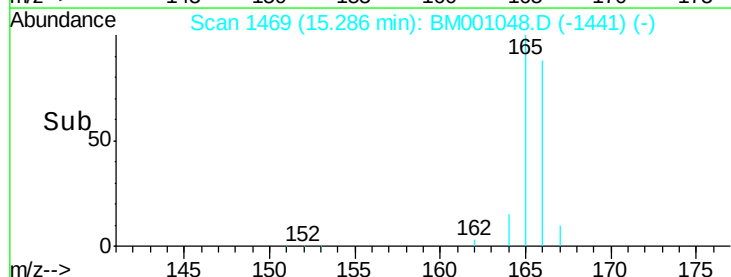
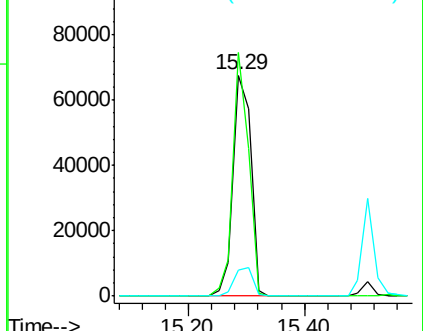
167 13.3 10.6 16.0

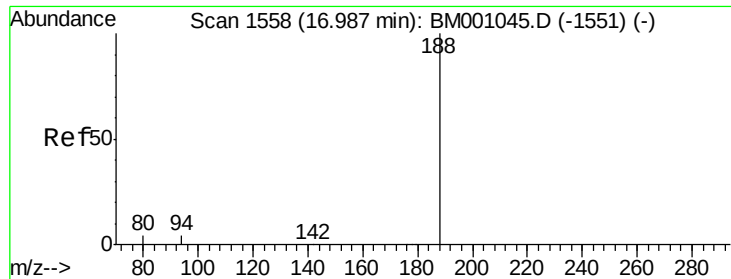


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.99 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

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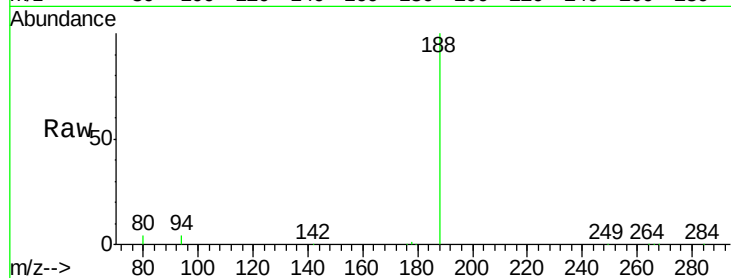
Tot Ion:188 Resp: 143167

Ion Ratio Lower Upper

188 100

94 4.1 3.6 5.4

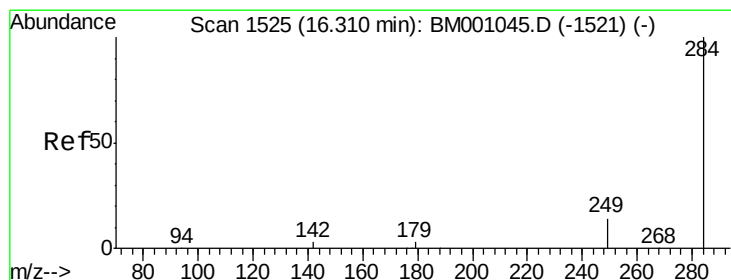
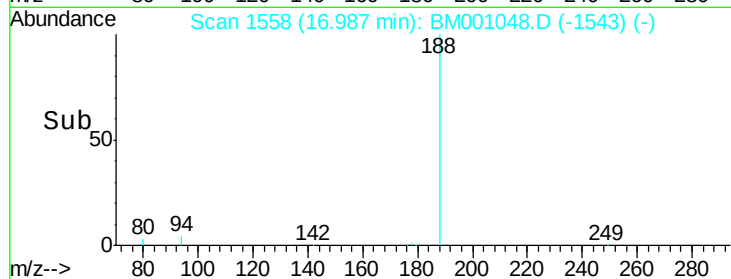
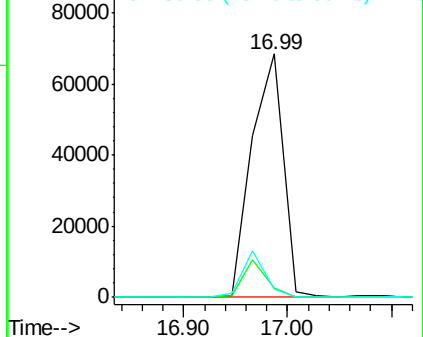
80 3.5 3.0 4.6



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



#14

Hexachlorobenzene

Concen: 5.63 ng

RT: 16.31 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

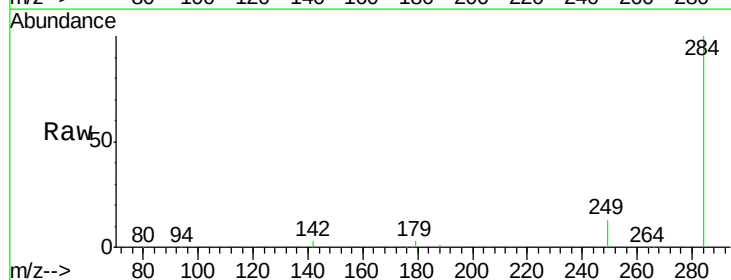
Tgt Ion:284 Resp: 46564

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

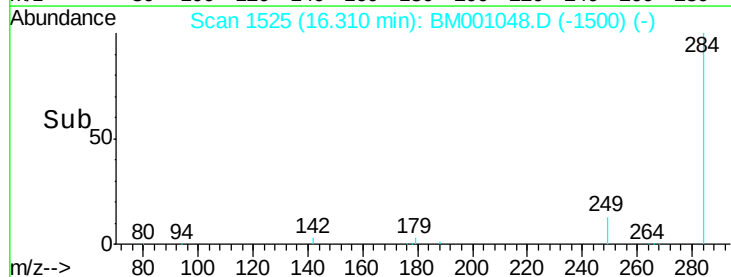
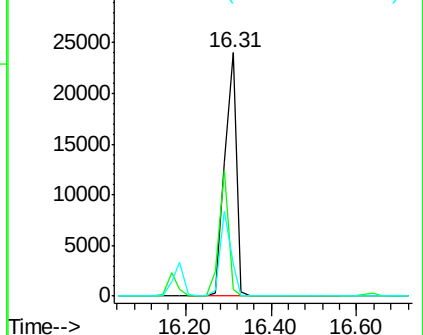
249 0.0 0.0 0.0

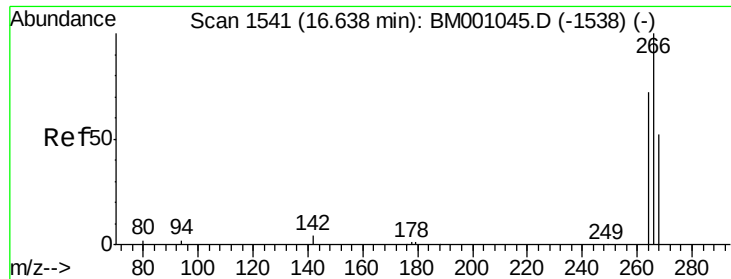


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

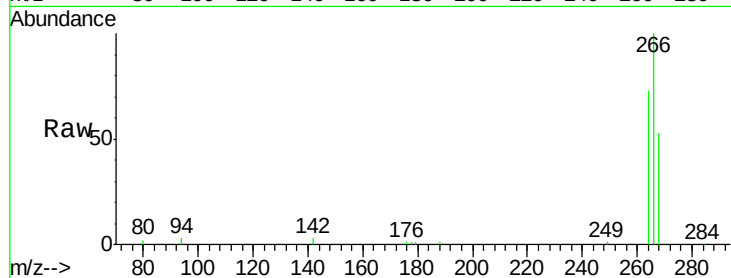




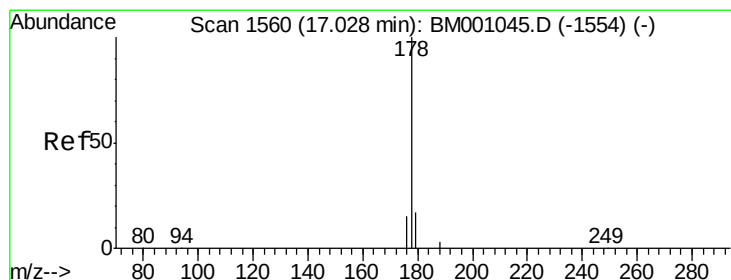
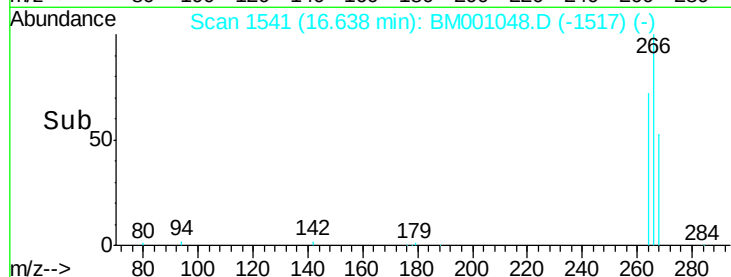
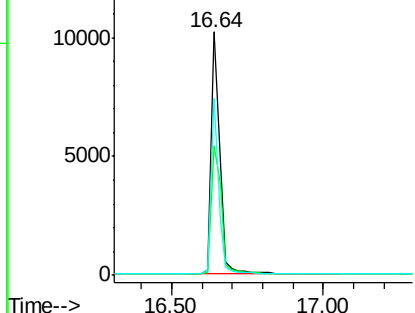
#15
 Pentachlorophenol
 Concen: 9.79 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Tot Ion:266 Resp: 20462
 Ion Ratio Lower Upper
 266 100
 268 53.4 46.3 69.5
 264 72.6 59.8 89.6

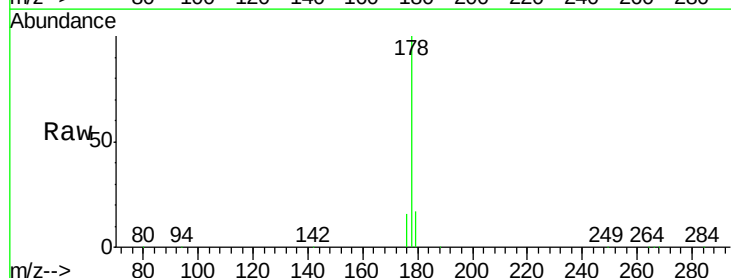


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

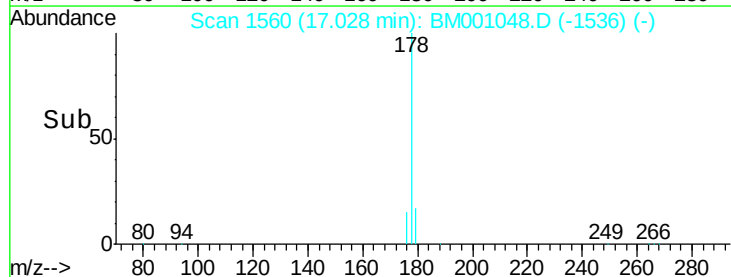
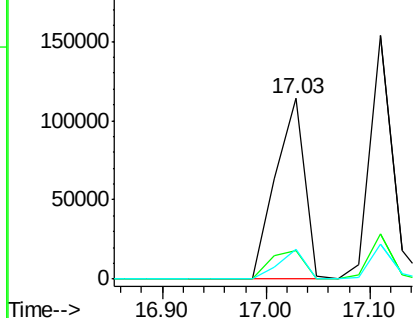


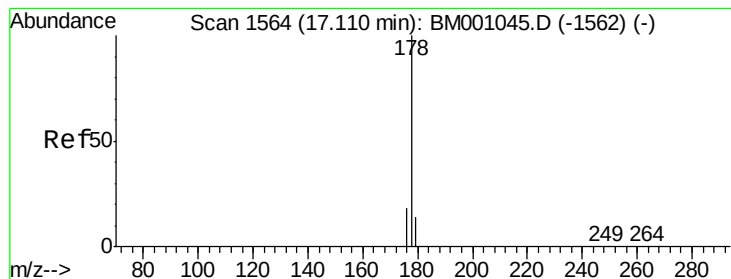
#16
 Phenanthrene
 Concen: 5.70 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion:178 Resp: 221747
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 15.2 12.6 19.0



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





#17

Anthracene

Concen: 6.86 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

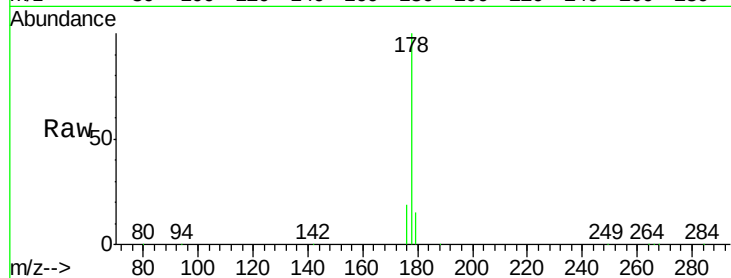
Tot Ion:178 Resp: 227085

Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

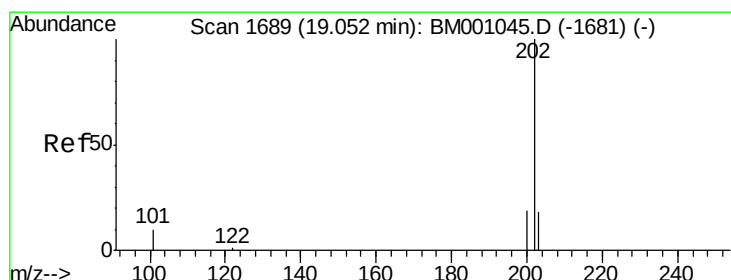
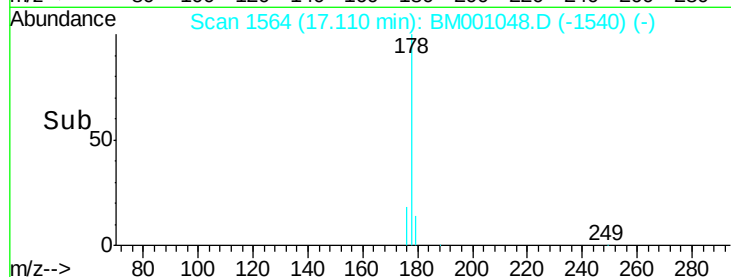
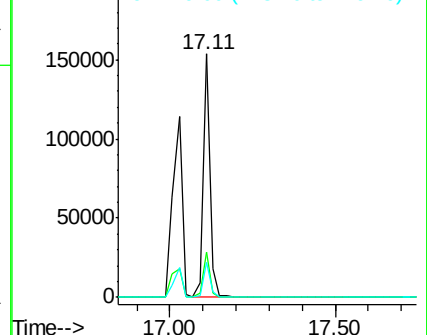
179 14.9 11.8 17.8



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



#18

Fluoranthene

Concen: 6.42 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

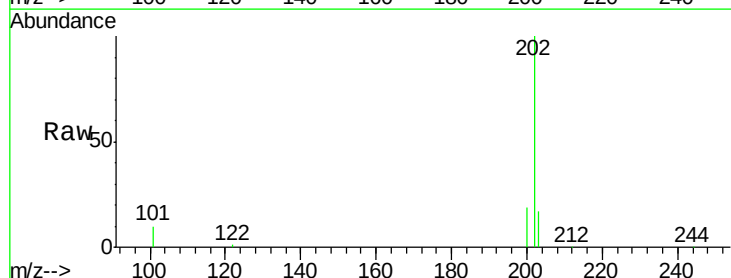
Tgt Ion:202 Resp: 249637

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

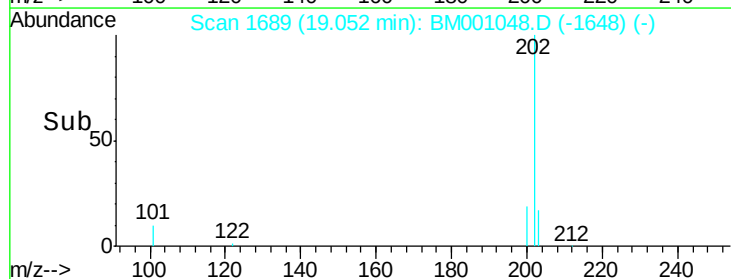
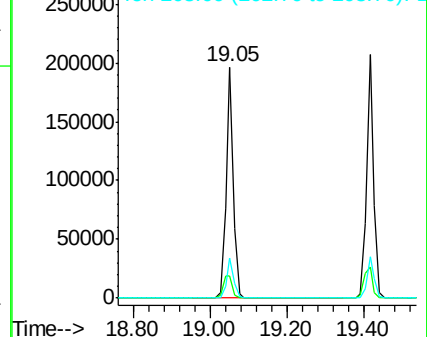
203 17.1 13.8 20.8

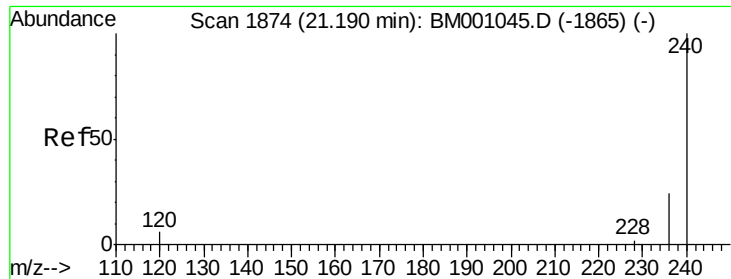


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.19 min Scan# 1874

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

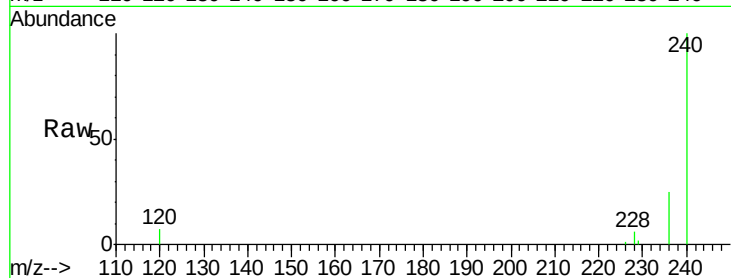
Tot Ion:240 Resp: 131433

Ion Ratio Lower Upper

240 100

120 7.2 4.6 6.8#

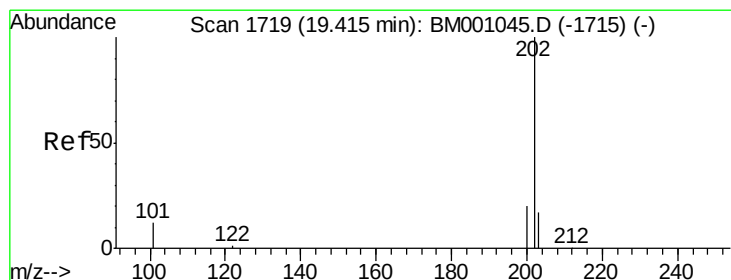
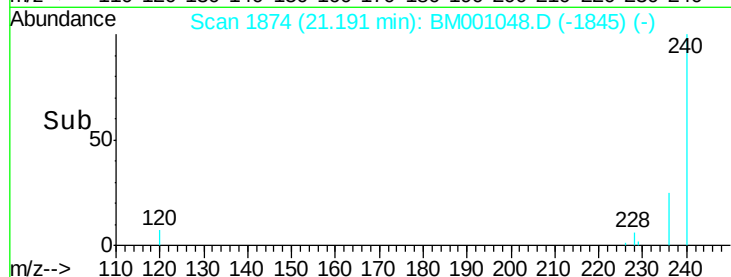
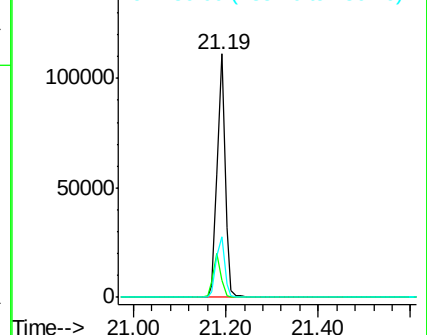
236 24.9 19.1 28.7



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



#20

Pyrene

Concen: 6.09 ng

RT: 19.42 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

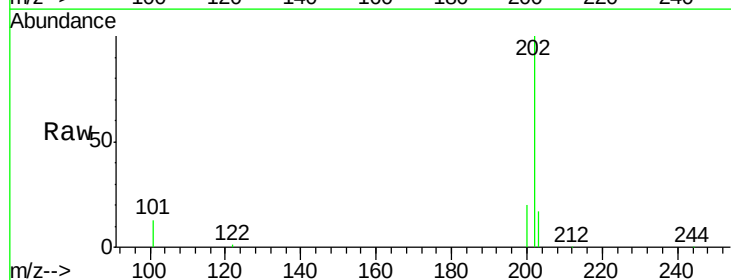
Tgt Ion:202 Resp: 261012

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

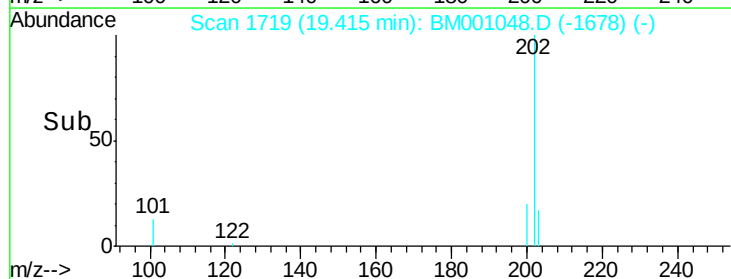
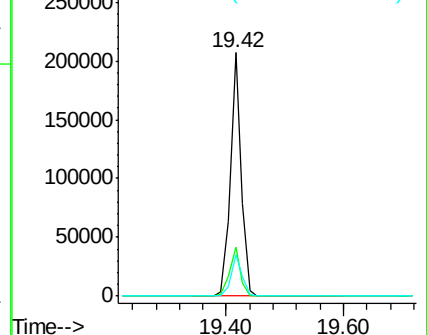
203 17.4 13.8 20.6

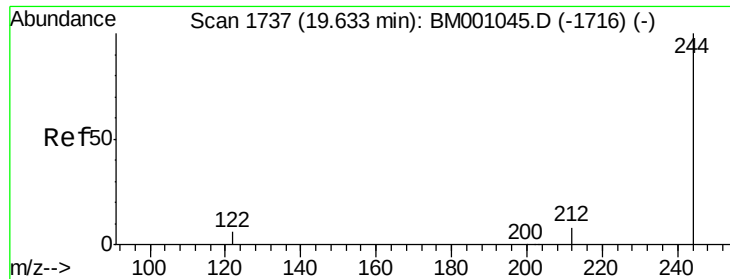


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 6.28 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

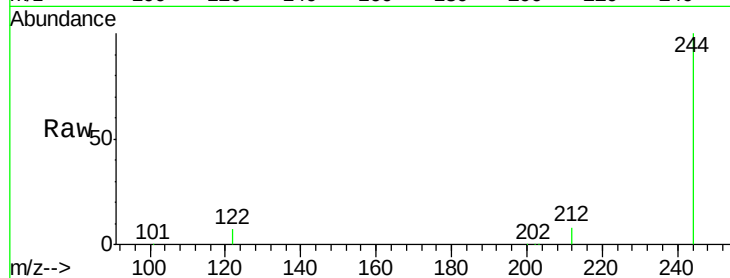
Tot Ion:244 Resp: 100198

Ion Ratio Lower Upper

244 100

212 8.2 7.1 10.7

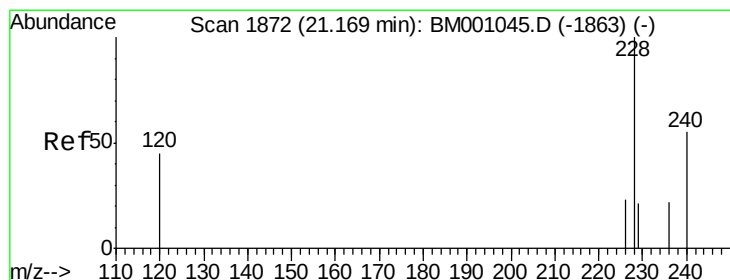
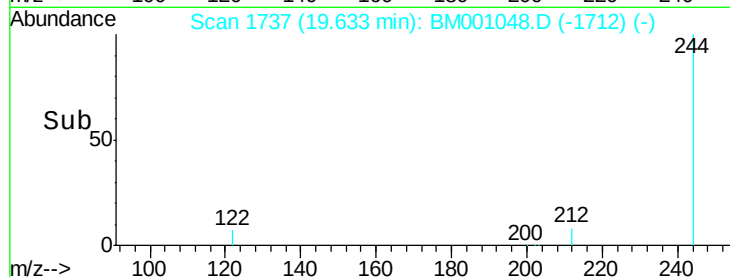
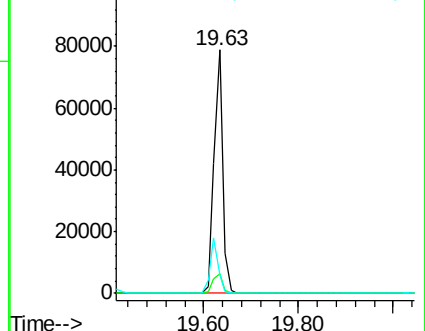
122 7.5 5.9 8.9



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



#22

Benzo(a)anthracene

Concen: 6.16 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

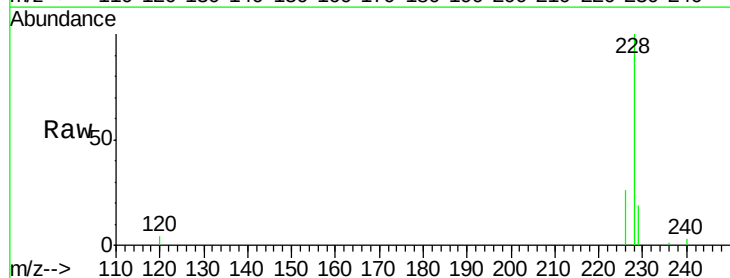
Tgt Ion:228 Resp: 231780

Ion Ratio Lower Upper

228 100

226 25.8 19.0 28.6

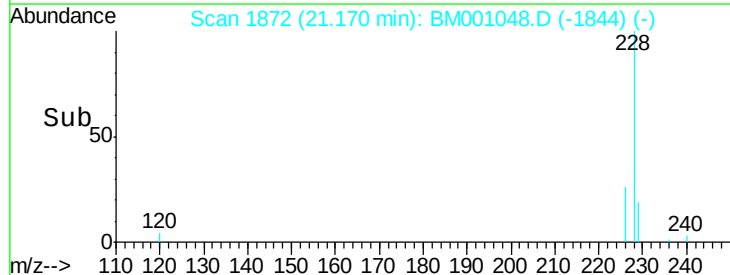
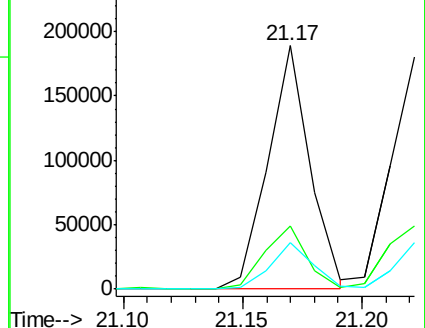
229 19.3 16.8 25.2

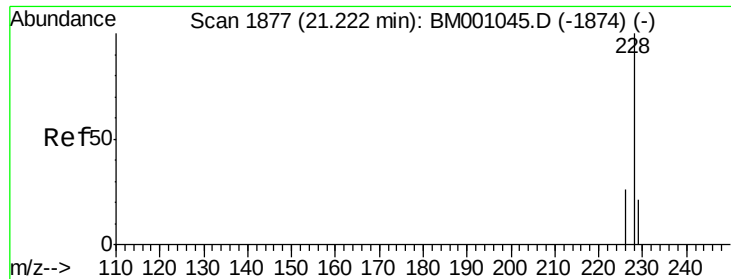


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 5.56 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

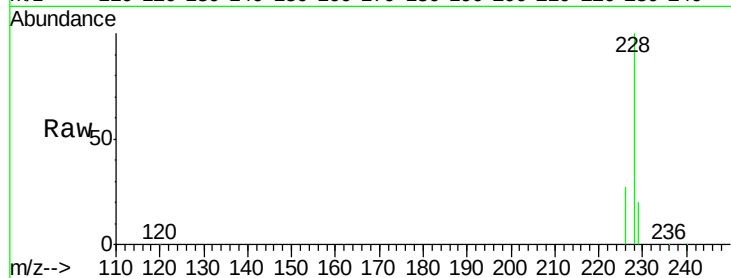
Tot Ion:228 Resp: 218279

Ion Ratio Lower Upper

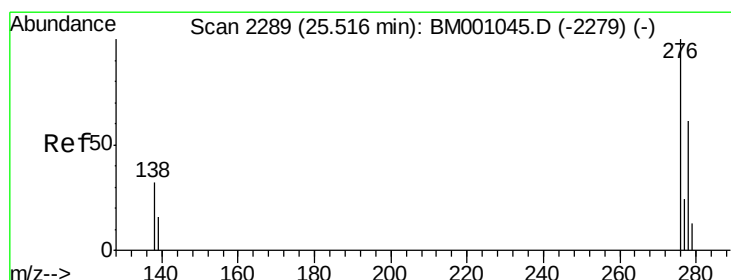
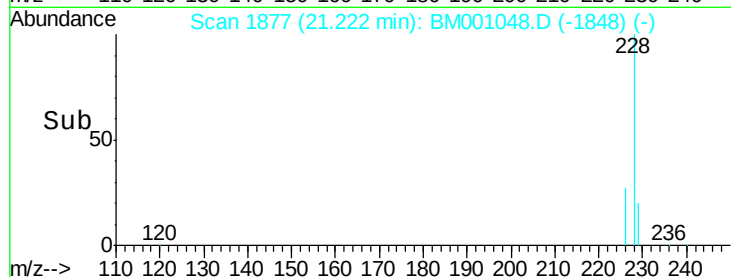
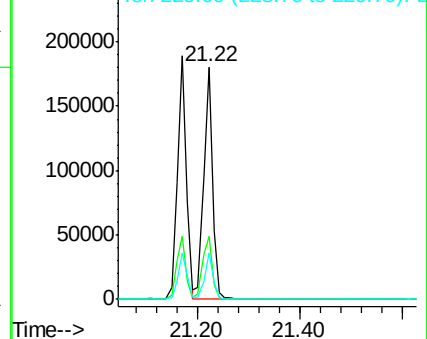
228 100

226 27.2 20.6 31.0

229 20.2 17.2 25.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.94 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

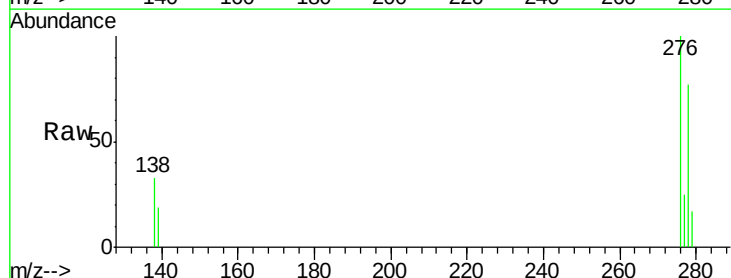
Tgt Ion:276 Resp: 241896

Ion Ratio Lower Upper

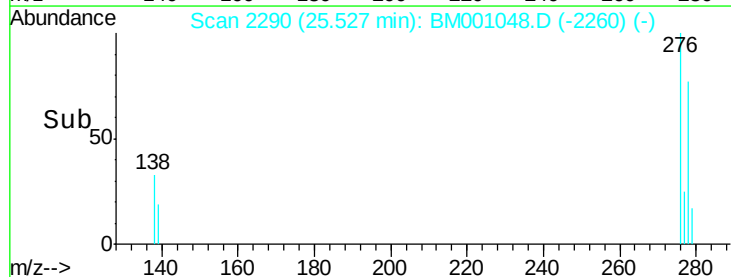
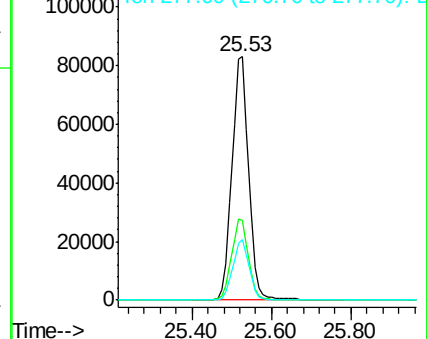
276 100

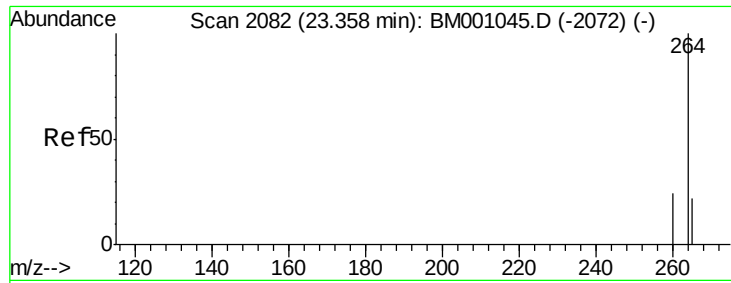
138 33.5 26.3 39.5

277 24.5 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

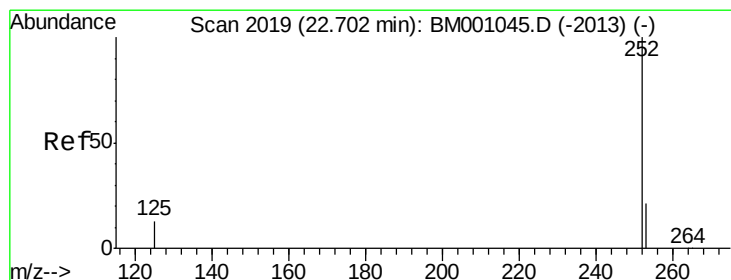
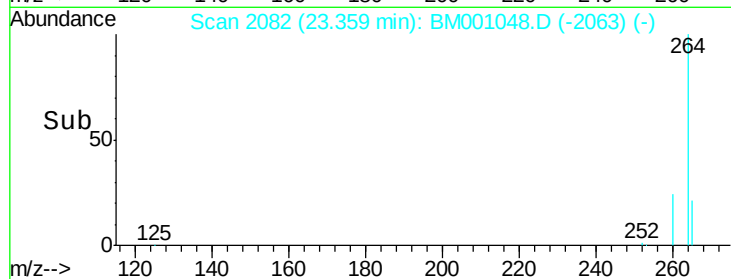
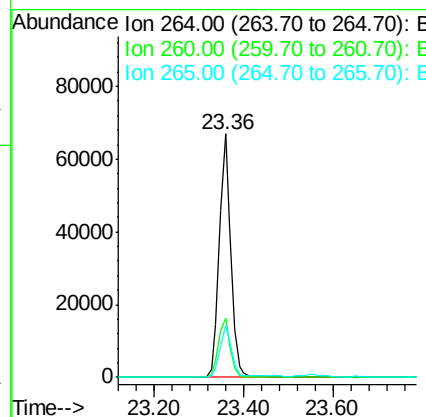
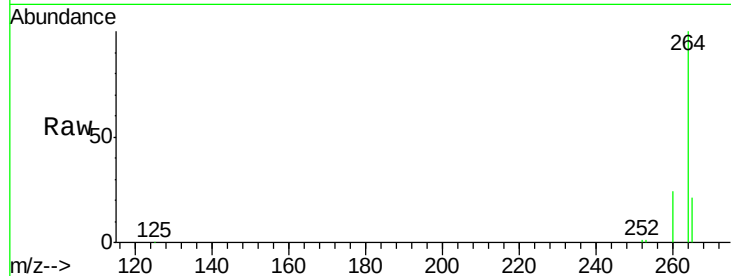




#25
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

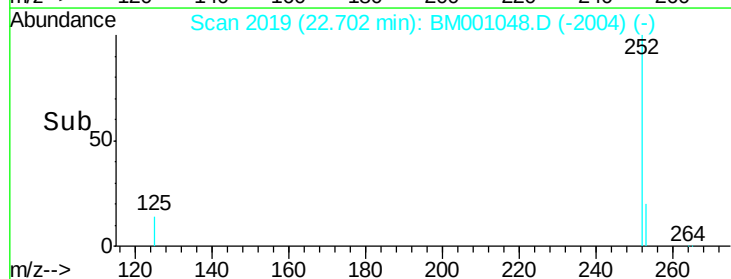
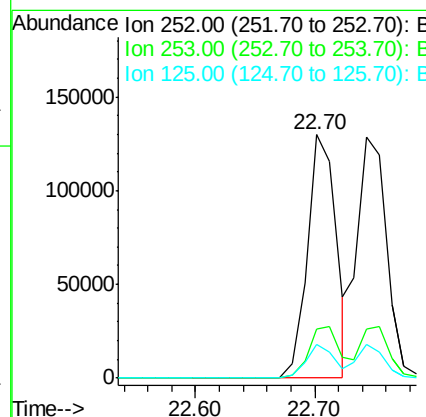
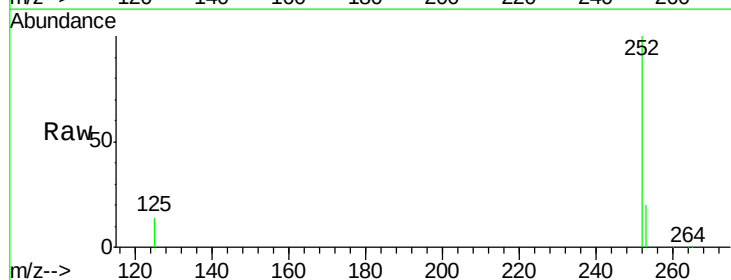
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

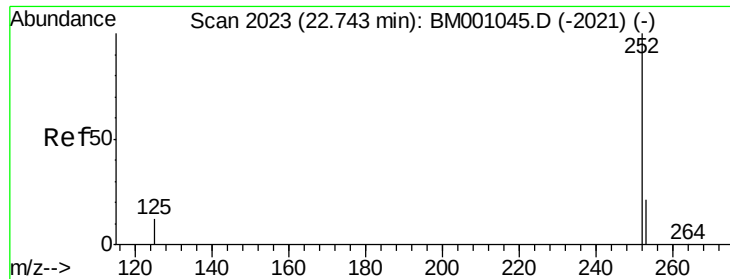
Tot Ion:264 Resp: 119218
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.6
 265 21.3 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 5.78 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001048.D
 Acq: 18 Apr 2015 06:50

Tgt Ion:252 Resp: 217159
 Ion Ratio Lower Upper
 252 100
 253 20.3 18.2 27.2
 125 14.0 10.9 16.3





#27

Benzo(k)fluoranthene

Concen: 6.16 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

Instrument :

BNA_M

ClientSampleId :

SSTDIC010

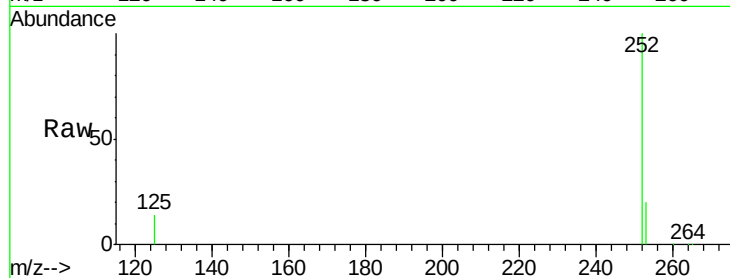
Tot Ion:252 Resp: 221759

Ion Ratio Lower Upper

252 100

253 20.1 18.3 27.5

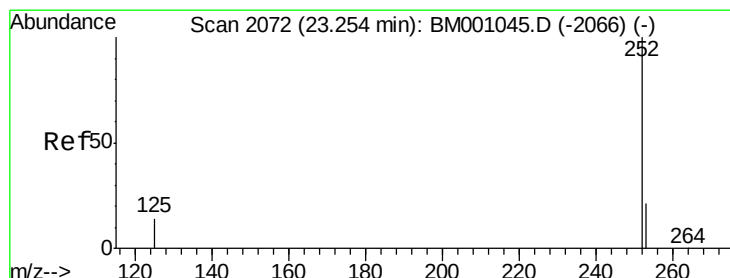
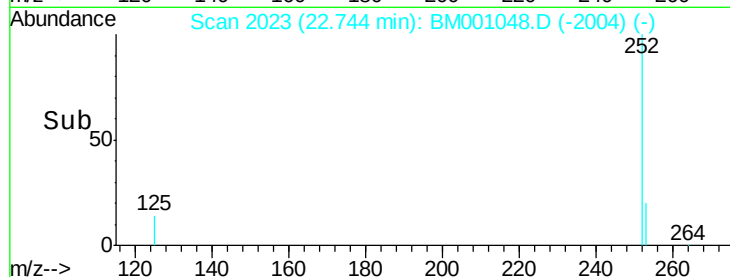
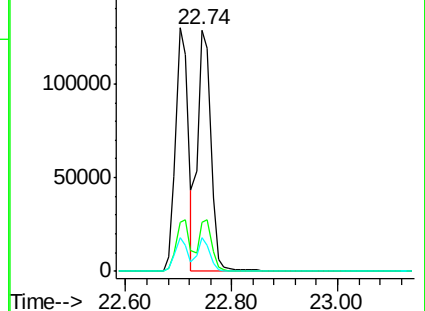
125 13.8 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 6.22 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001048.D

Acq: 18 Apr 2015 06:50

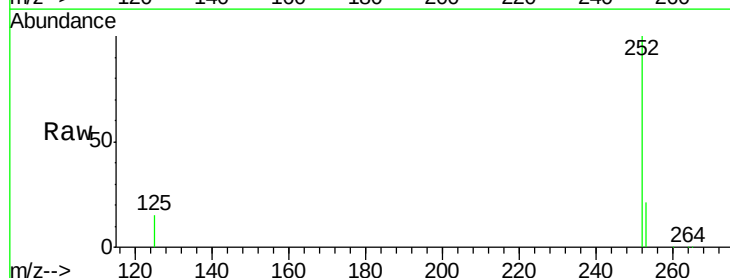
Tgt Ion:252 Resp: 200772

Ion Ratio Lower Upper

252 100

253 20.7 18.6 27.8

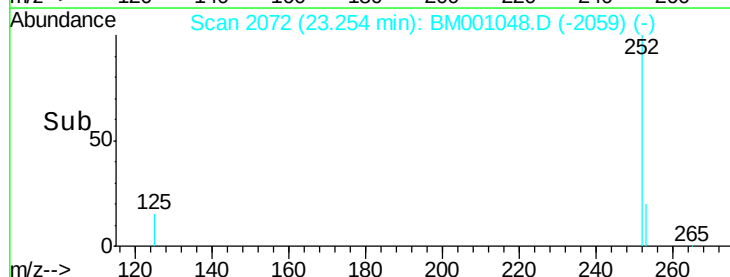
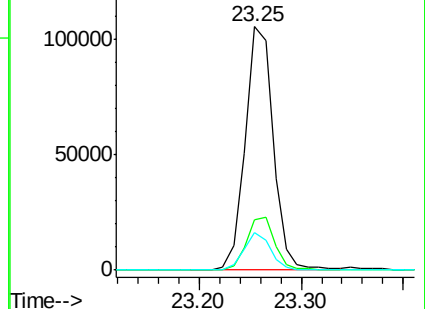
125 15.2 11.9 17.9

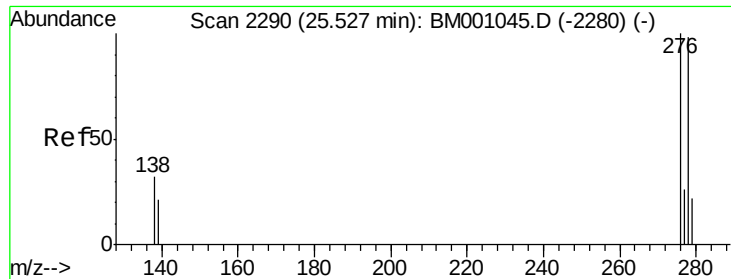


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



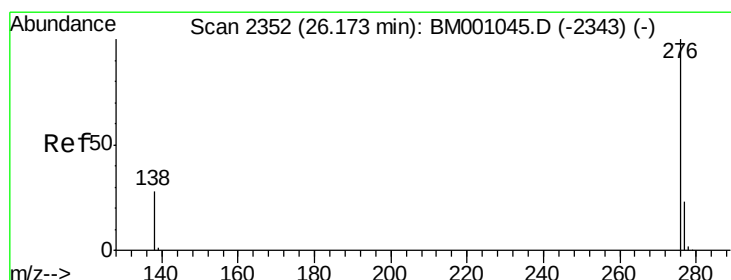
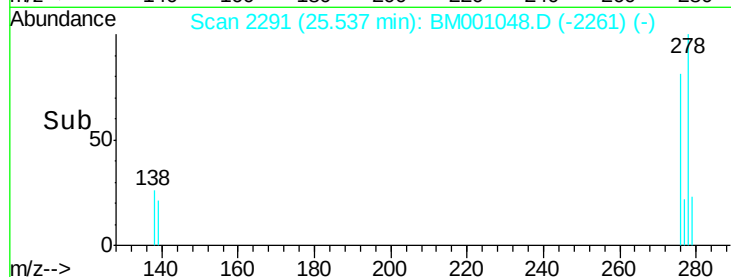
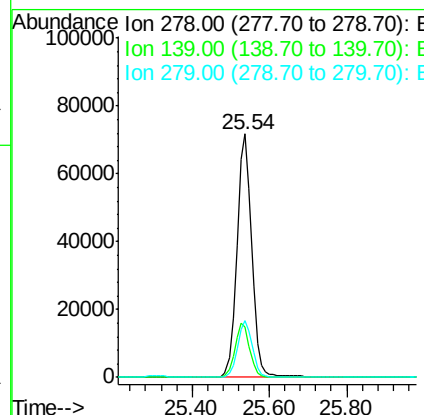
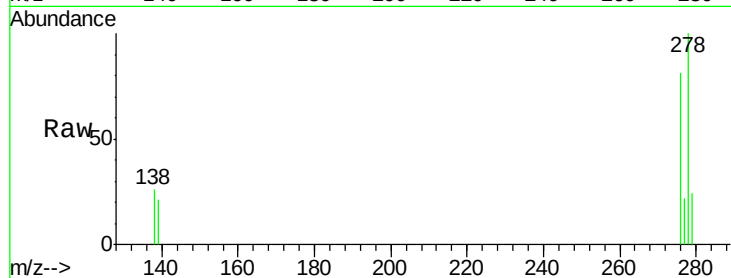


#29
Dibenzo(a,h)anthracene
Concen: 5.95 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Instrument :
BNA_M
ClientSampleId :
SSTDIC010

Tot Ion:278 Resp: 189303

Ion	Ratio	Lower	Upper
278	100		
139	20.7	18.2	27.2
279	23.5	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 5.76 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001048.D
Acq: 18 Apr 2015 06:50

Tgt Ion:276 Resp: 197679

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	28.2	23.4	35.2

