

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001046.D
 Acq On : 18 Apr 2015 01:07
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Quant Time: Apr 18 05:59:45 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

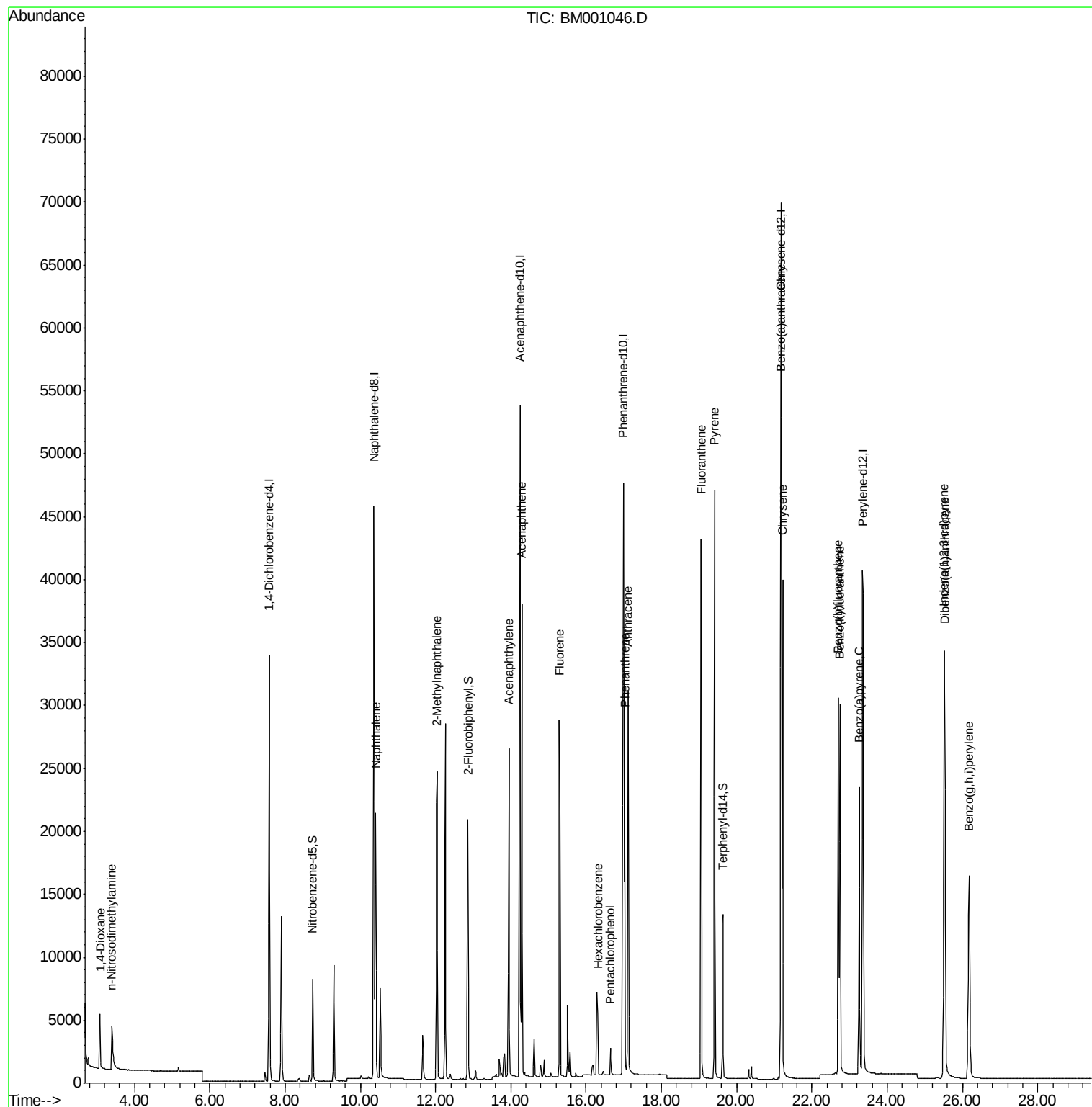
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16982	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	60977	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	32488	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	70243	5.00	ng	0.00
19) Chrysene-d12	21.18	240	61487	5.00	ng	-0.01
25) Perylene-d12	23.35	264	54574	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	6778	2.22	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	21305	2.11	ng	0.00
21) Terphenyl-d14	19.63	244	16491	2.21	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	3674	2.55	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	3656	2.30	ng	98
6) Naphthalene	10.41	128	28835	2.04	ng	99
7) 2-Methylnaphthalene	12.04	142	19072	2.12	ng	98
10) Acenaphthylene	13.95	152	30729	2.13	ng	99
11) Acenaphthene	14.29	154	19505	1.96	ng	99
12) Fluorene	15.29	166	23442	2.09	ng	100
14) Hexachlorobenzene	16.31	284	7714	1.90	ng	# 100
15) Pentachlorophenol	16.64	266	2101	2.05	ng	97
16) Phenanthrene	17.03	178	36980	1.94	ng	100
17) Anthracene	17.11	178	35769	2.20	ng	100
18) Fluoranthene	19.05	202	40161	2.11	ng	100
20) Pyrene	19.42	202	41723	2.08	ng	99
22) Benzo(a)anthracene	21.17	228	36149	2.05	ng	99
23) Chrysene	21.22	228	37447	2.04	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	38885	2.04	ng	100
26) Benzo(b)fluoranthene	22.70	252	36473	2.12	ng	99
27) Benzo(k)fluoranthene	22.74	252	34462	2.09	ng	99
28) Benzo(a)pyrene	23.25	252	30892	2.09	ng	98
29) Dibenzo(a,h)anthracene	25.53	278	30592	2.10	ng	99
30) Benzo(g,h,i)perylene	26.17	276	32424	2.06	ng	99

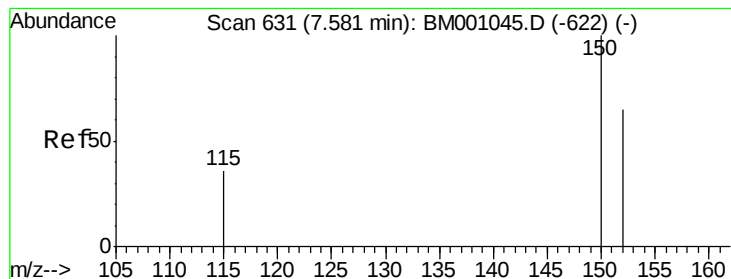
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

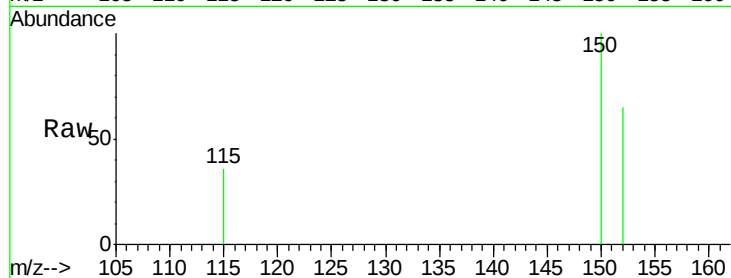
Tot Ion:152 Resp: 16982

Ion Ratio Lower Upper

152 100

150 153.7 123.3 184.9

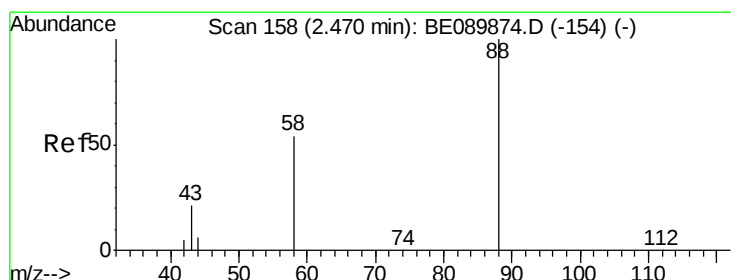
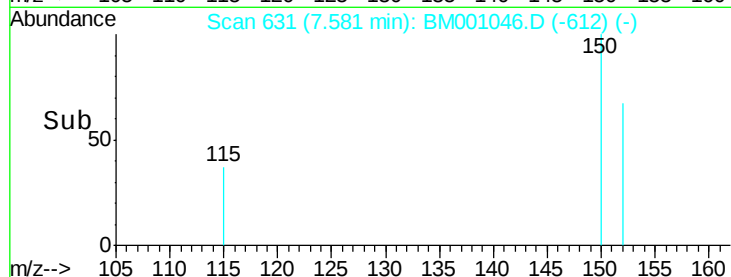
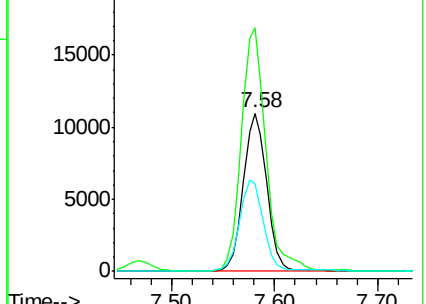
115 55.3 45.0 67.6



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



#2

1,4-Dioxane

Concen: 2.55 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

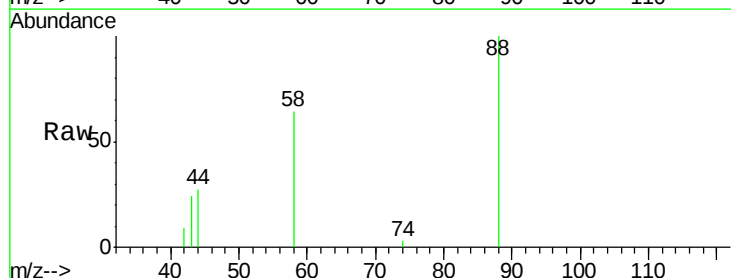
Tgt Ion: 88 Resp: 3674

Ion Ratio Lower Upper

88 100

58 72.6 0.0 0.0#

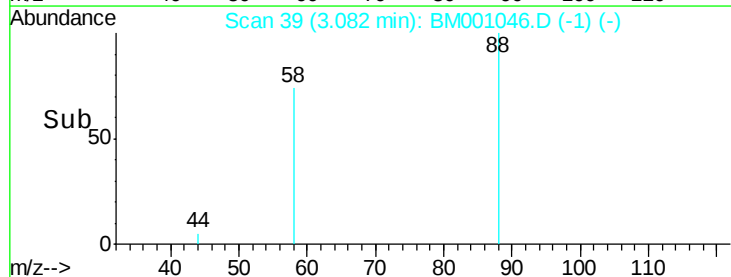
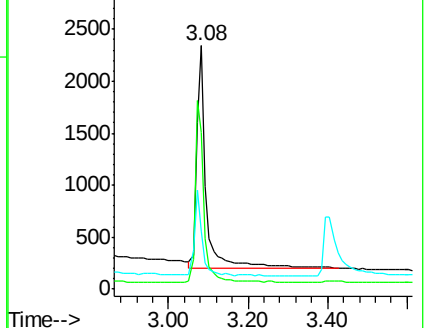
43 32.6 0.0 0.0#

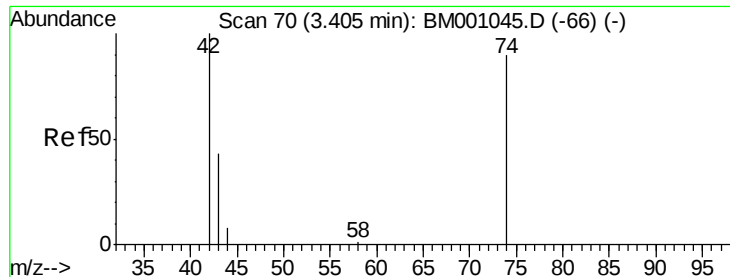


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0



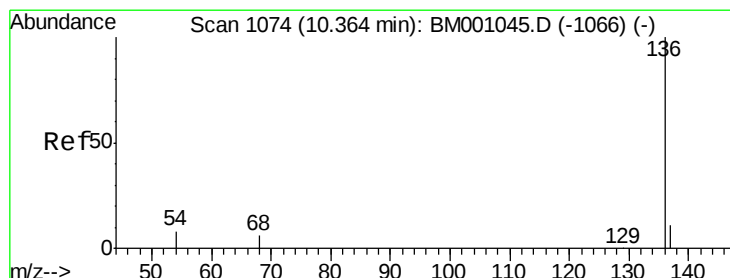
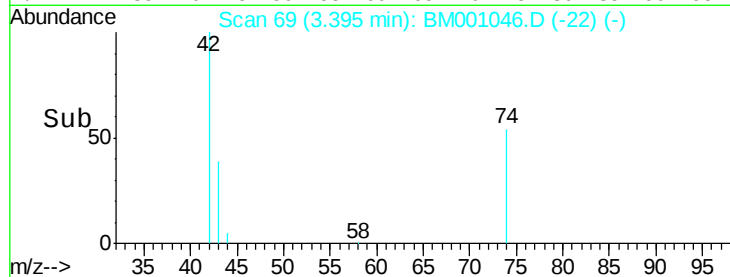
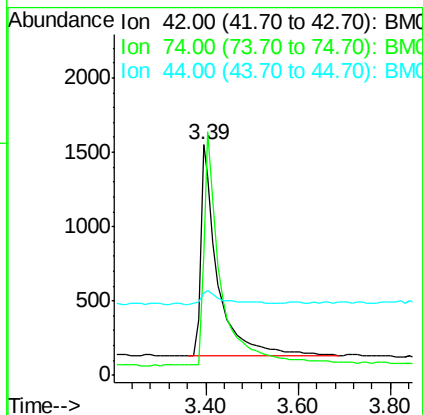
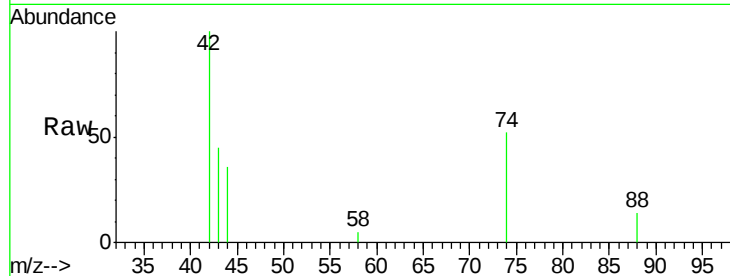


#3

n-Nitrosodimethylamine
 Concen: 2.30 ng
 RT: 3.39 min Scan# 69
 Delta R.T. -0.01 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

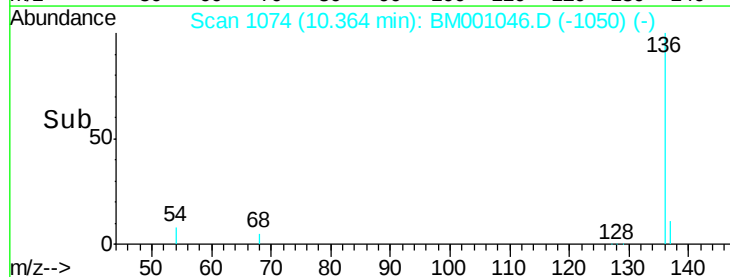
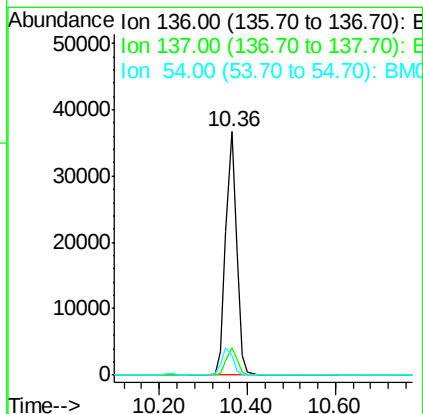
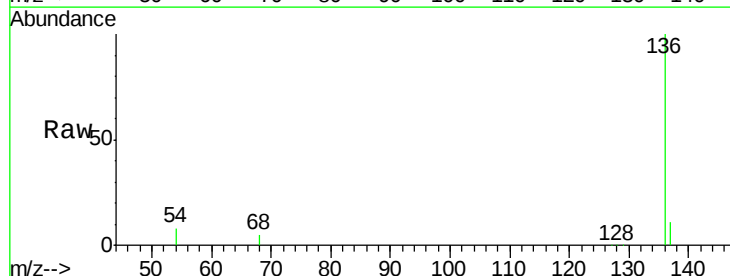
Tot Ion: 42 Resp: 3656
 Ion Ratio Lower Upper
 42 100
 74 113.0 92.1 138.1
 44 6.8 5.8 8.6

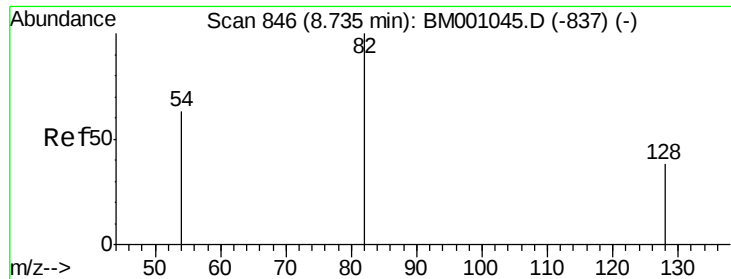


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion: 136 Resp: 60977
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.6 13.0
 54 8.0 6.5 9.7





#5

Nitrobenzene-d5

Concen: 2.22 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

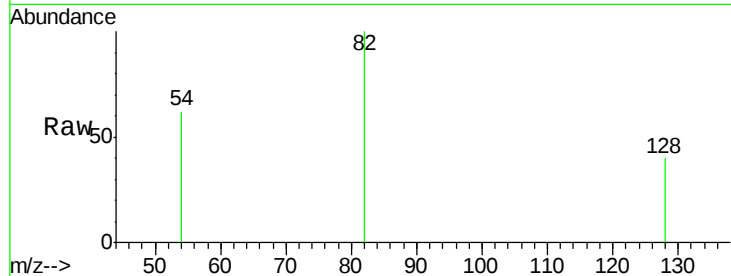
Tot Ion: 82 Resp: 6778

Ion Ratio Lower Upper

82 100

128 40.0 31.9 47.9

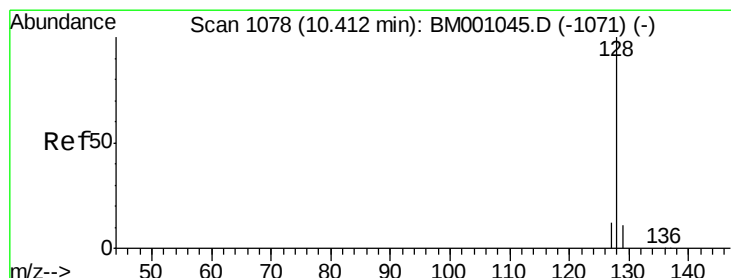
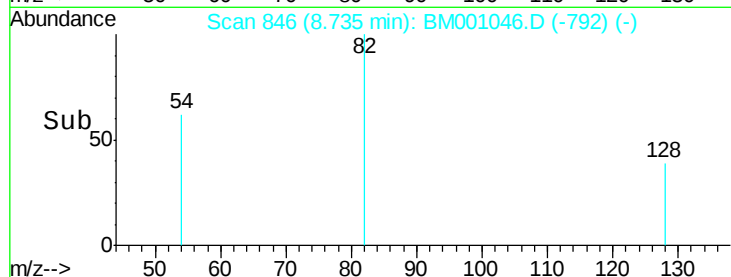
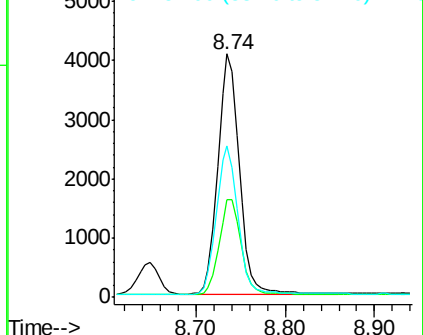
54 62.3 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001046.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001046.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001046.D (-837) (-)



#6

Naphthalene

Concen: 2.04 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

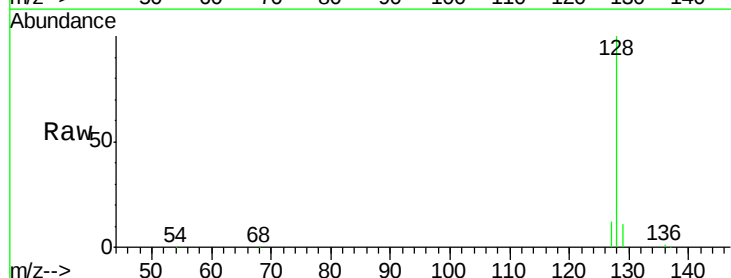
Tgt Ion: 128 Resp: 28835

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

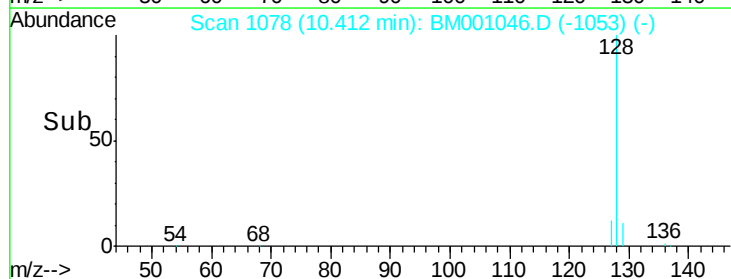
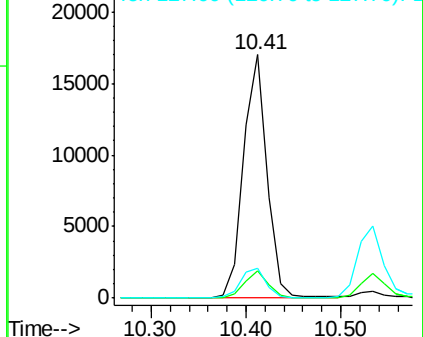
127 12.3 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): BM001046.D (-1071) (-)

Ion 129.00 (128.70 to 129.70): BM001046.D (-1071) (-)

Ion 127.00 (126.70 to 127.70): BM001046.D (-1071) (-)





#7

2-Methylnaphthalene

Concen: 2.12 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

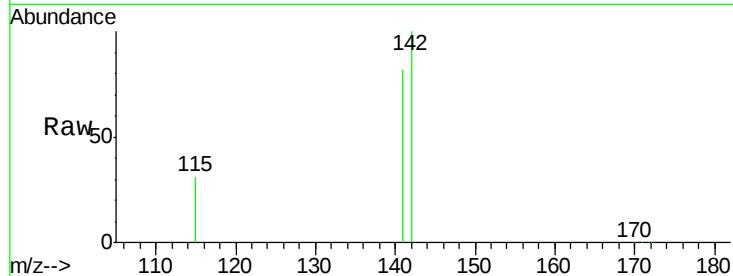
Tot Ion:142 Resp: 19072

Ion Ratio Lower Upper

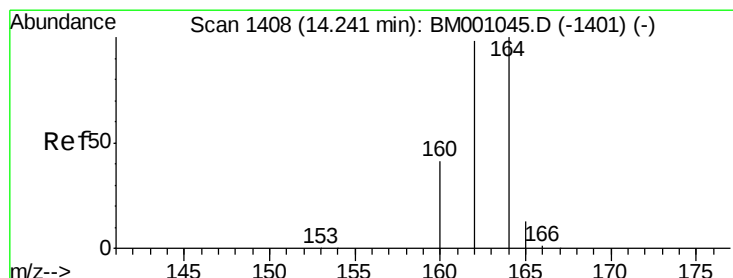
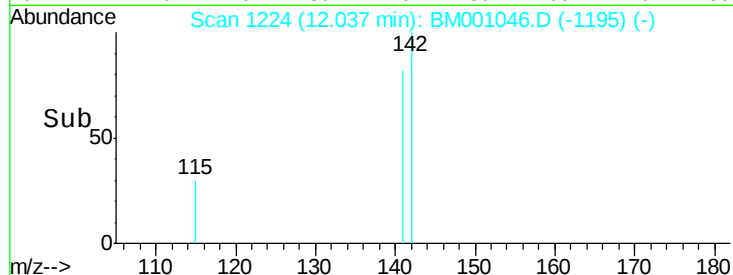
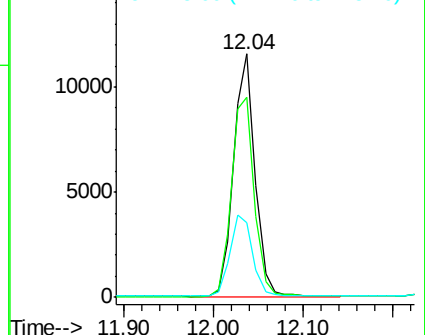
142 100

141 82.3 66.7 100.1

115 30.6 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: BM001046.D

Acq: 18 Apr 2015 01:07

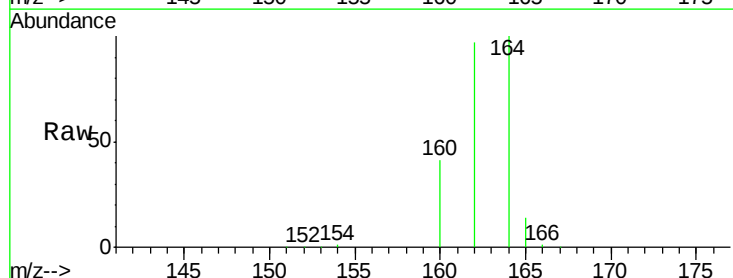
Tgt Ion:164 Resp: 32488

Ion Ratio Lower Upper

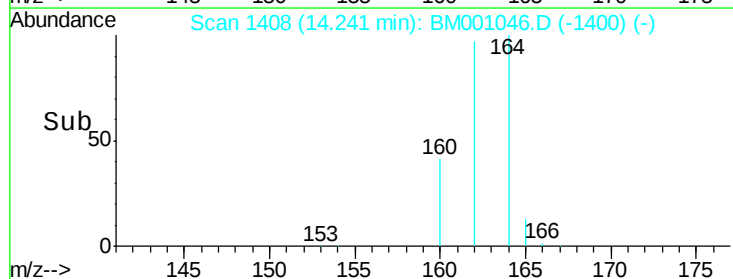
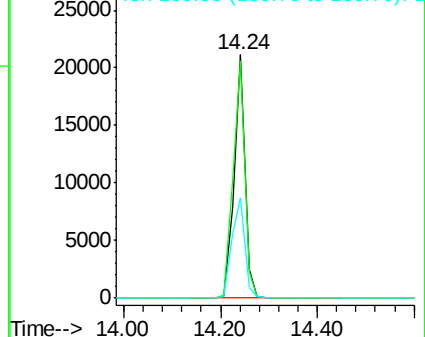
164 100

162 97.2 78.5 117.7

160 41.1 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: 2.11 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

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ClientSampleId :

SSTDICC002

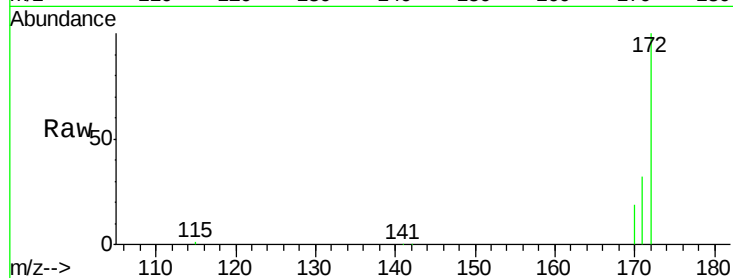
Tot Ion:172 Resp: 21305

Ion Ratio Lower Upper

172 100

171 31.7 25.6 38.4

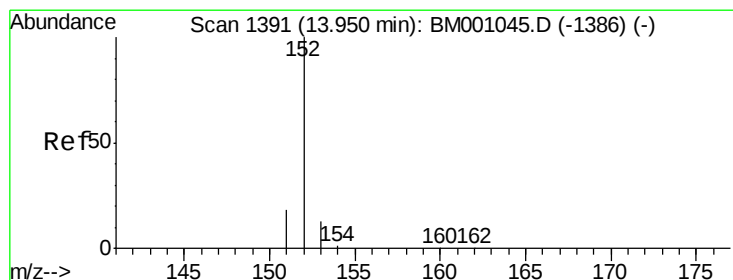
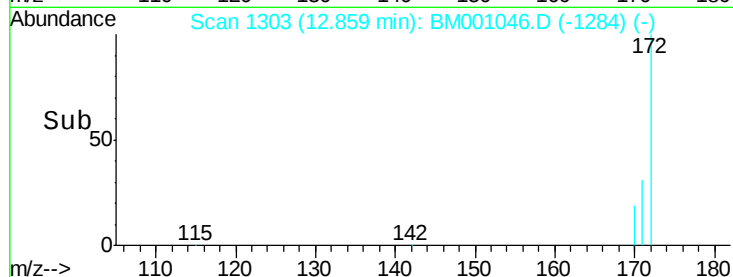
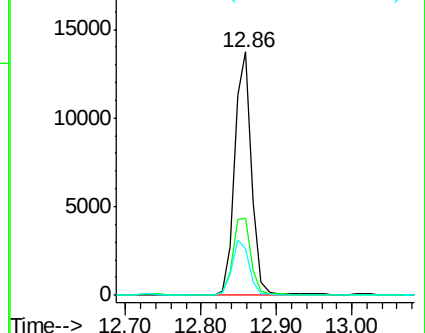
170 19.2 15.8 23.6



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: 2.13 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

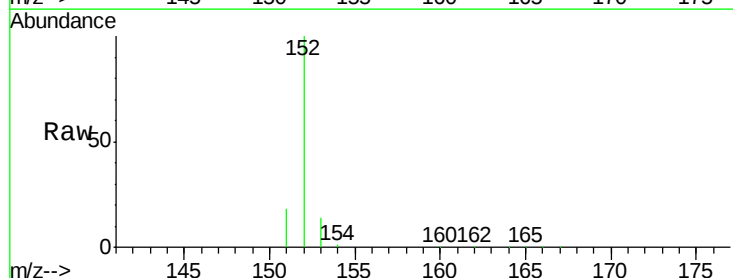
Tgt Ion:152 Resp: 30729

Ion Ratio Lower Upper

152 100

151 18.7 14.7 22.1

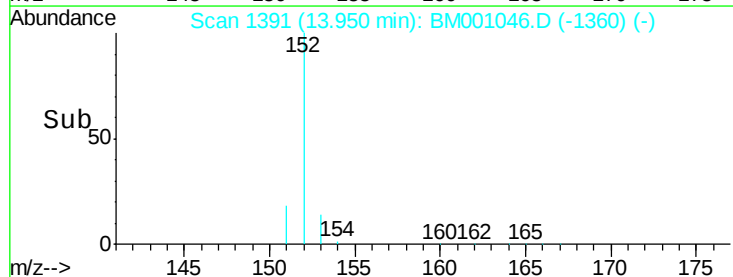
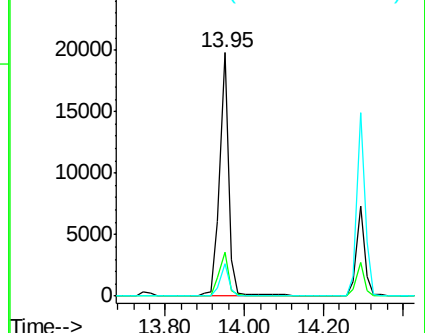
153 13.0 10.2 15.2

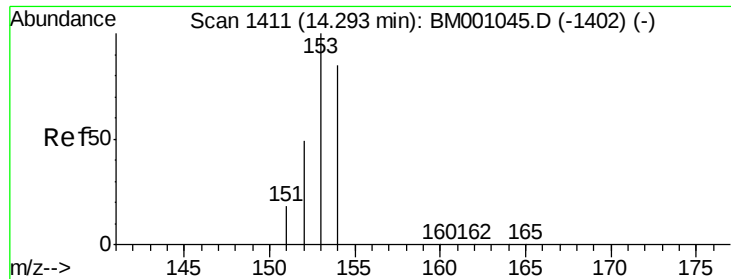


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.96 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

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SSTDICC002

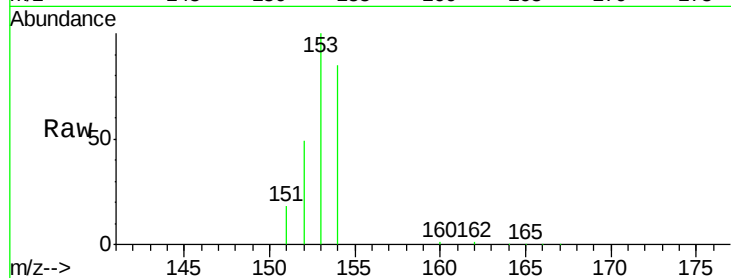
Tot Ion:154 Resp: 19505

Ion Ratio Lower Upper

154 100

153 110.7 88.1 132.1

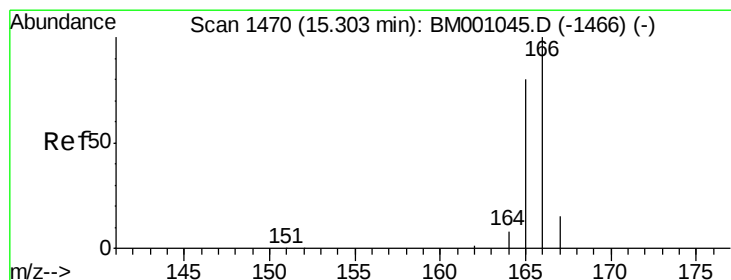
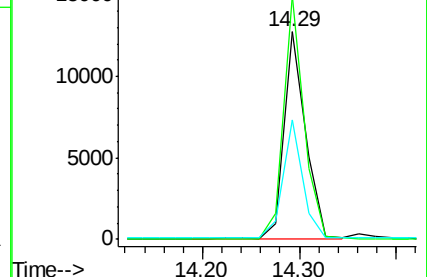
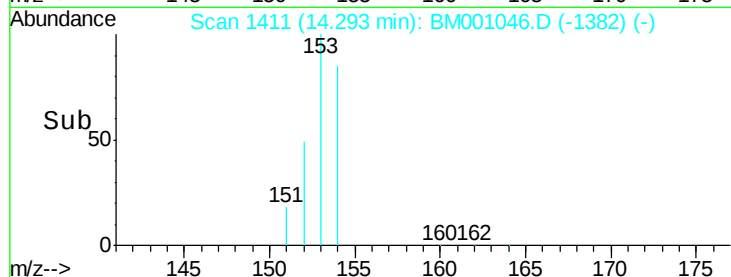
152 53.3 42.3 63.5



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: 2.09 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

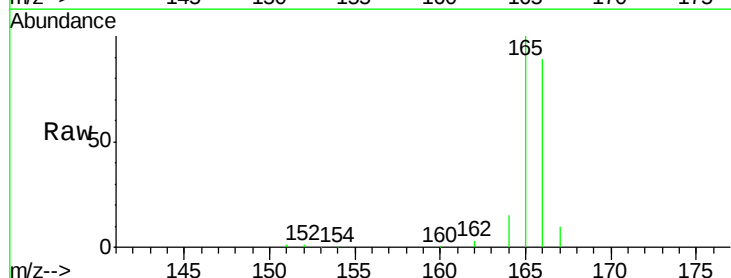
Tgt Ion:166 Resp: 23442

Ion Ratio Lower Upper

166 100

165 97.5 77.6 116.4

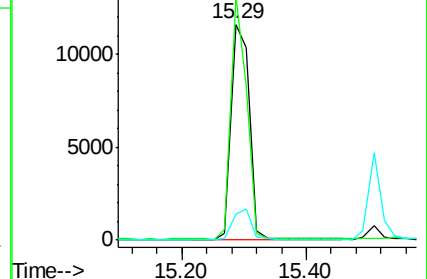
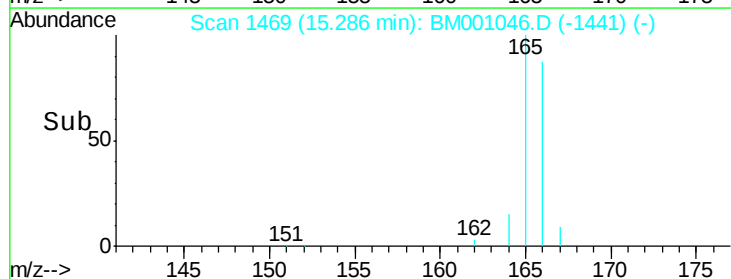
167 13.4 10.6 16.0

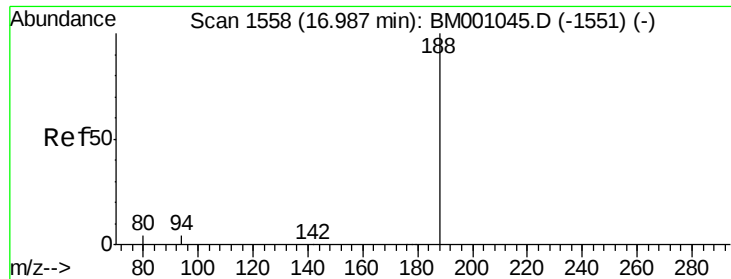


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

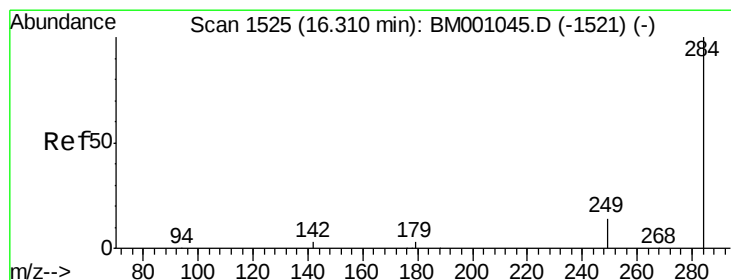
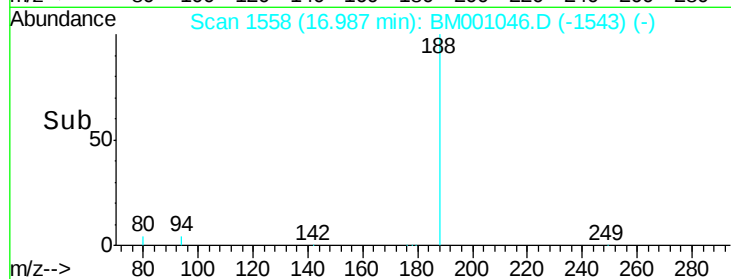
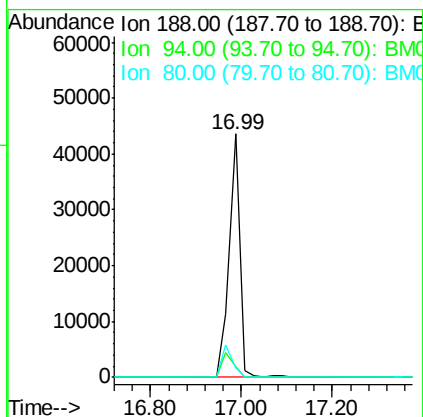
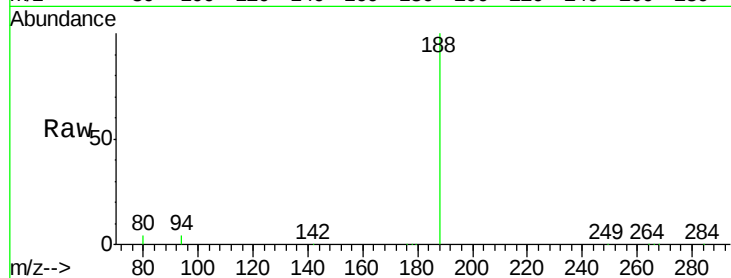




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

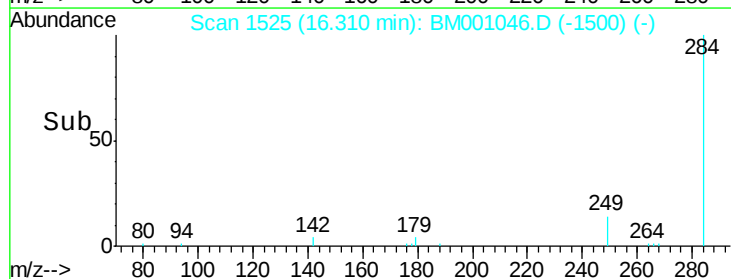
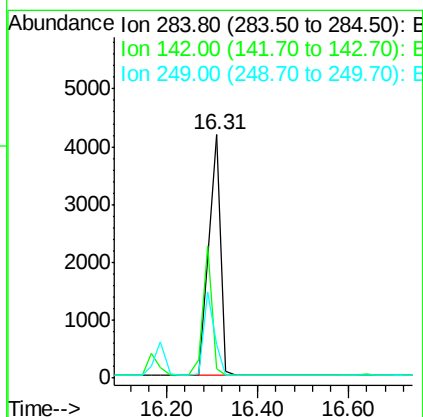
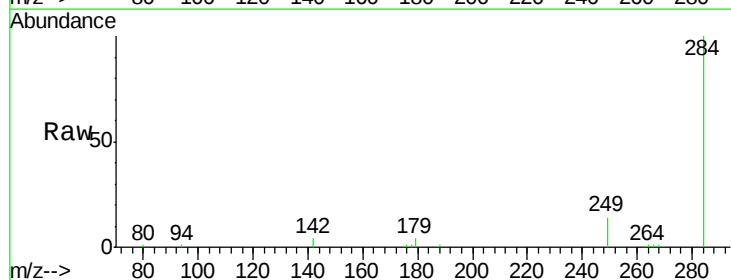
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Tot Ion:188 Resp: 70243
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 3.8 3.0 4.6



#14
Hexachlorobenzene
Concen: 1.90 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:284 Resp: 7714
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

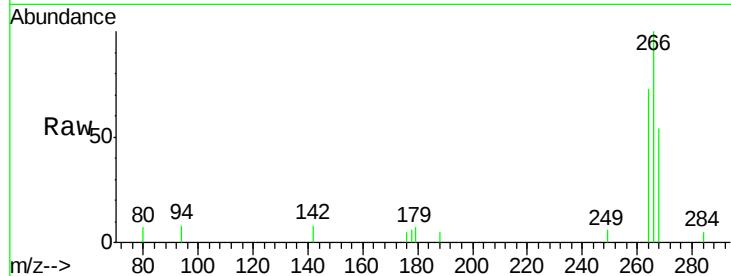




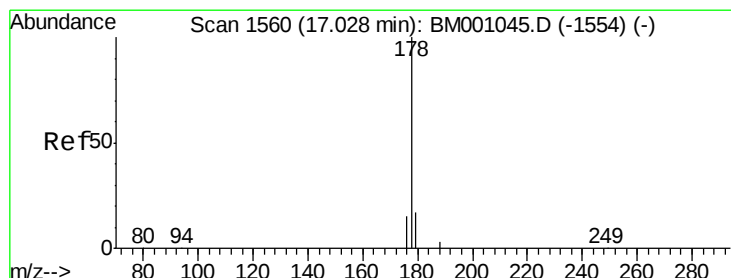
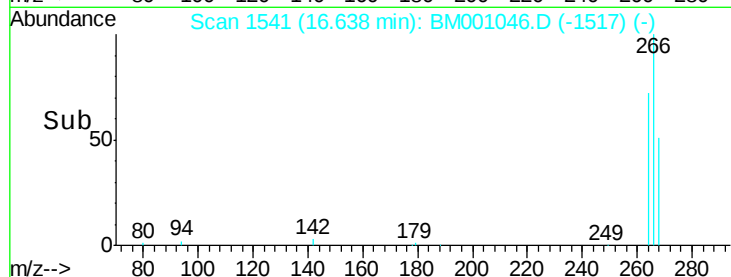
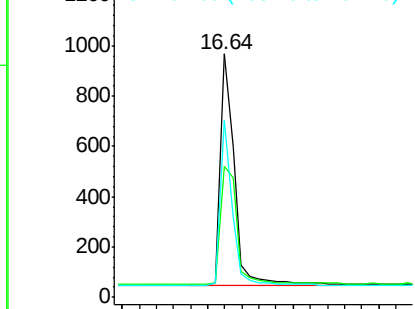
#15
 Pentachlorophenol
 Concen: 2.05 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC002

Tot Ion:266 Resp: 2101
 Ion Ratio Lower Upper
 266 100
 268 54.0 46.3 69.5
 264 72.9 59.8 89.6

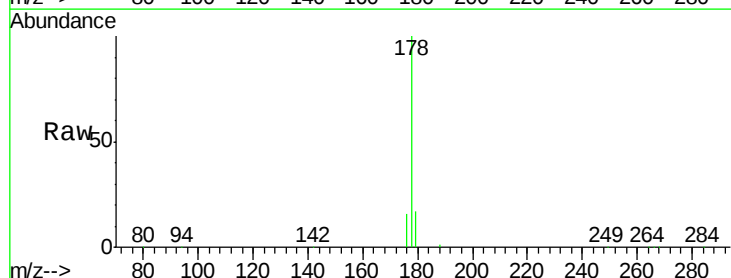


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

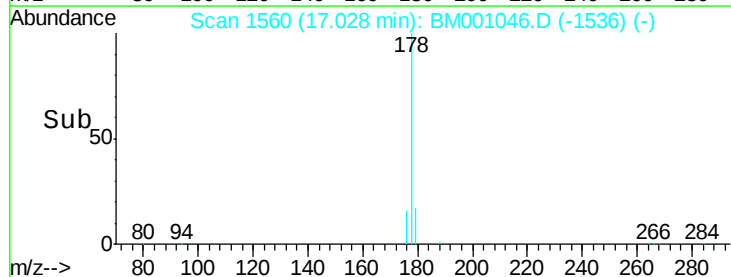
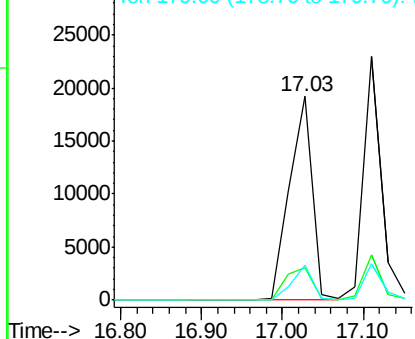


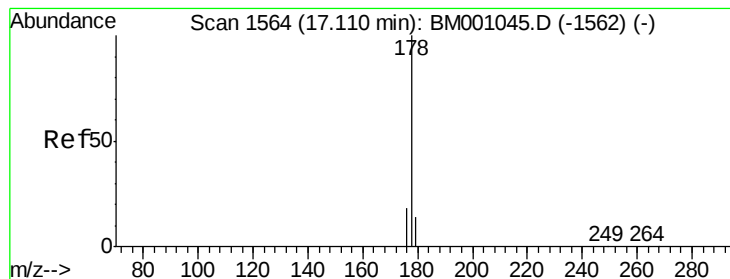
#16
 Phenanthrene
 Concen: 1.94 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001046.D
 Acq: 18 Apr 2015 01:07

Tgt Ion:178 Resp: 36980
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 15.6 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: 2.20 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

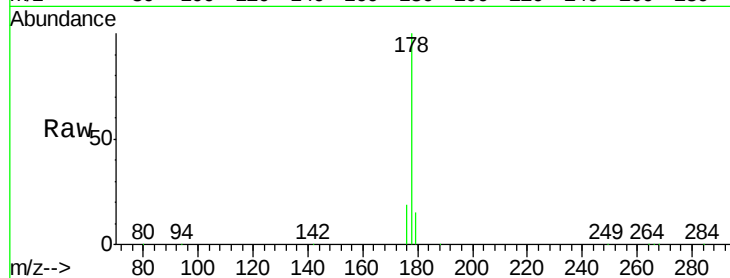
Tot Ion:178 Resp: 35769

Ion Ratio Lower Upper

178 100

176 18.1 14.3 21.5

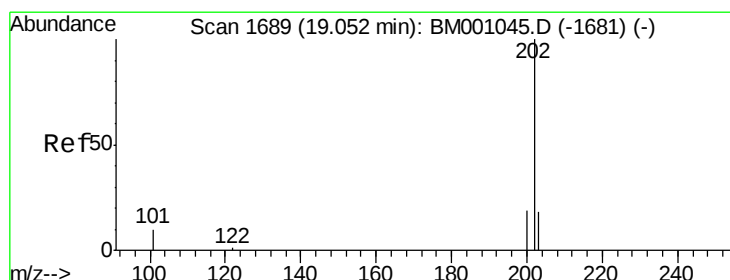
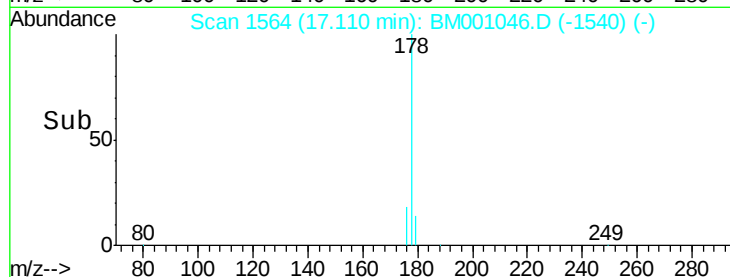
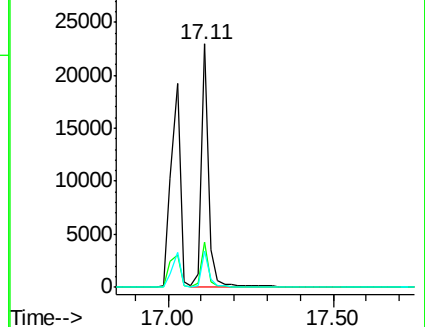
179 15.0 11.8 17.8



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: 2.11 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

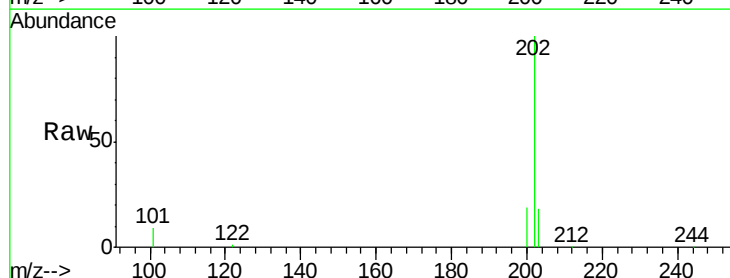
Tgt Ion:202 Resp: 40161

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

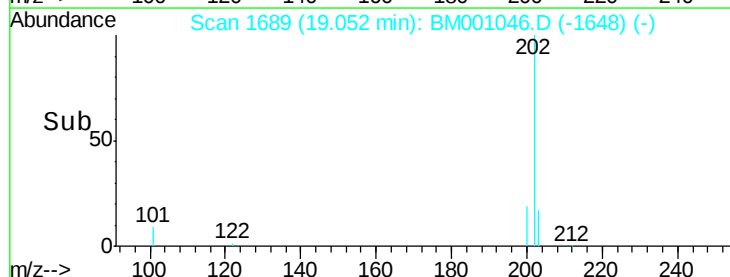
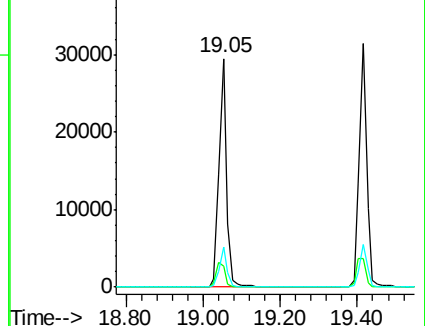
203 17.1 13.8 20.8

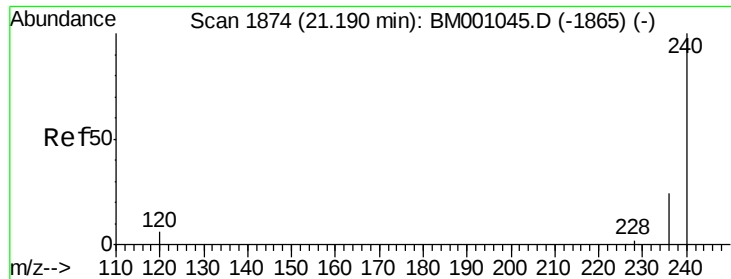


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

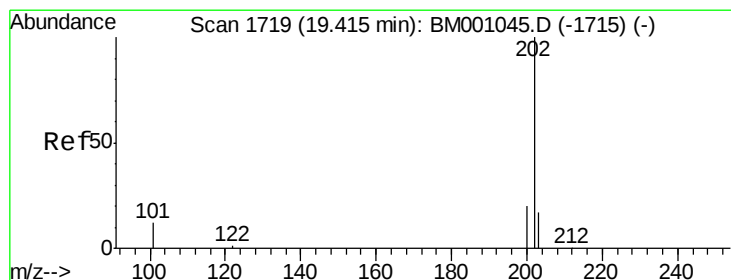
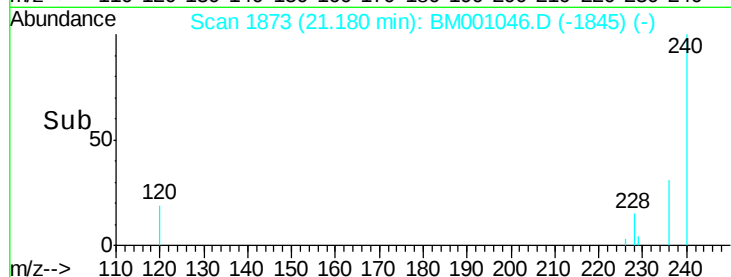
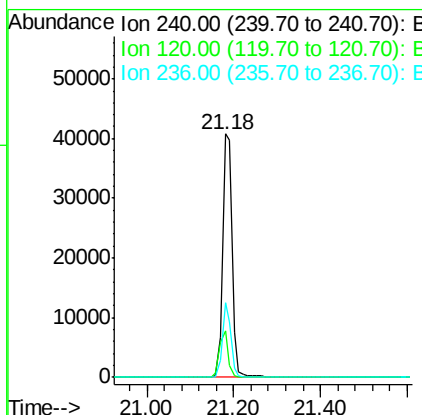
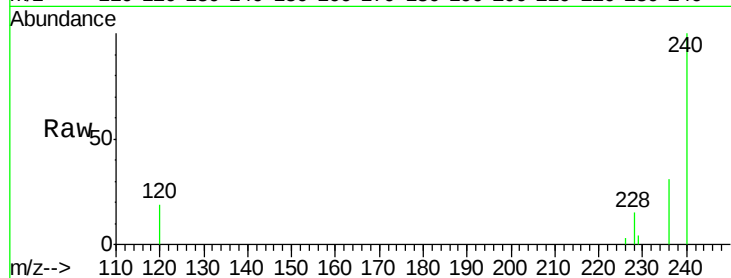




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.18 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

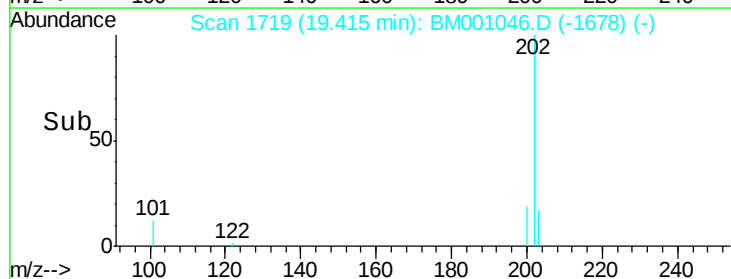
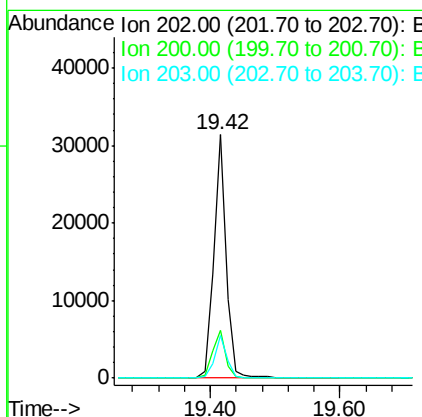
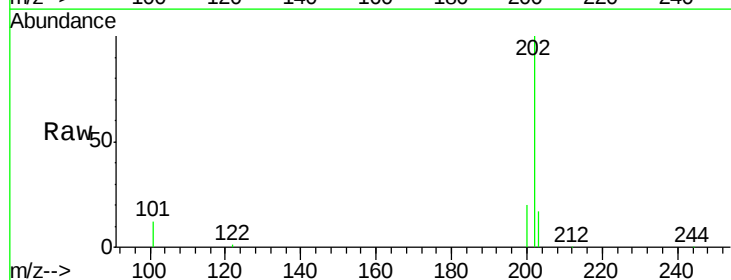
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

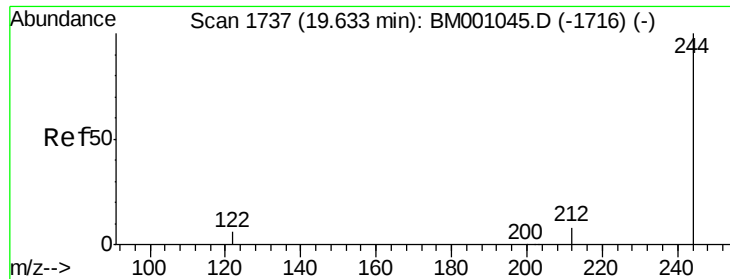
Tot Ion:240 Resp: 61487
Ion Ratio Lower Upper
240 100
120 19.2 4.6 6.8#
236 30.7 19.1 28.7#



#20
Pyrene
Concen: 2.08 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:202 Resp: 41723
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 17.5 13.8 20.6





#21

Terphenyl-d14

Concen: 2.21 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDICC002

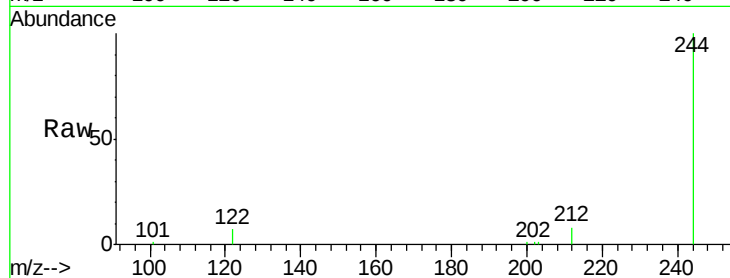
Tot Ion:244 Resp: 16491

Ion Ratio Lower Upper

244 100

212 8.3 7.1 10.7

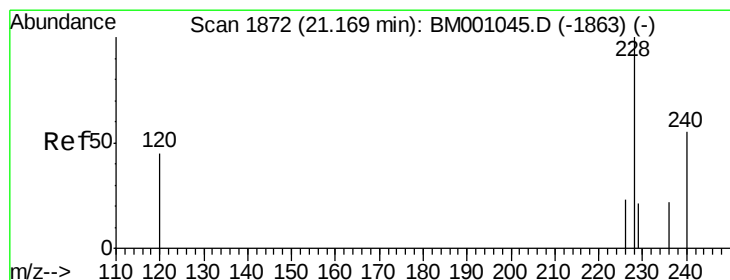
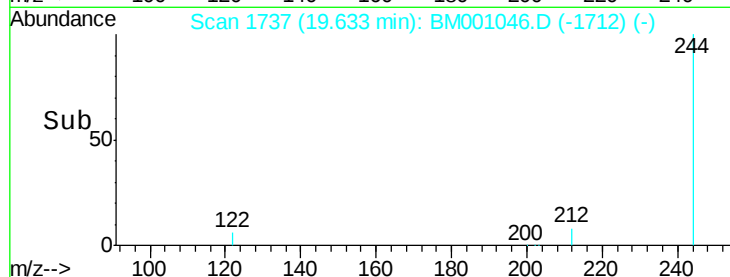
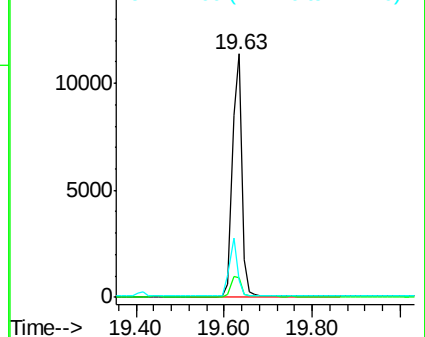
122 6.9 5.9 8.9



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: 2.05 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

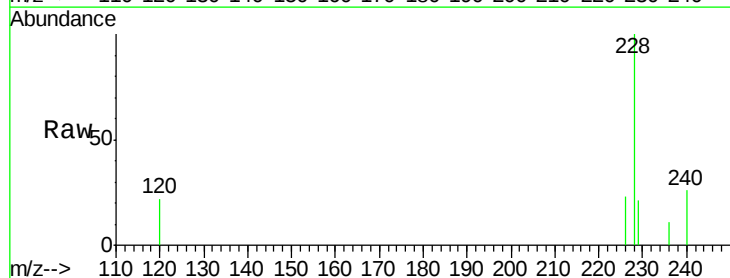
Tgt Ion:228 Resp: 36149

Ion Ratio Lower Upper

228 100

226 22.8 19.0 28.6

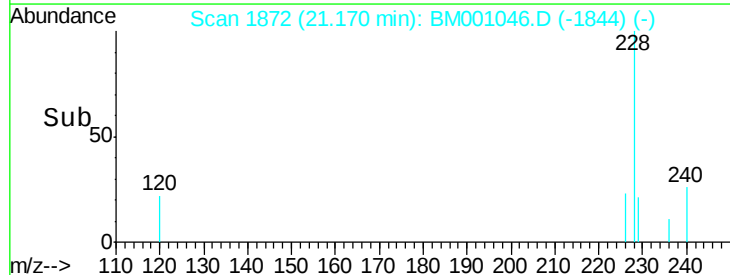
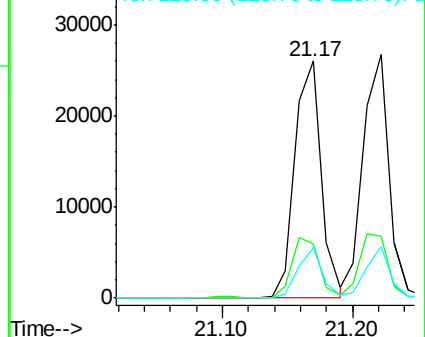
229 21.4 16.8 25.2

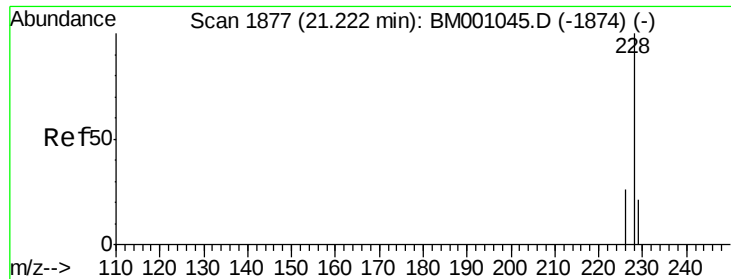


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 2.04 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

Instrument :

BNA_M

ClientSampleId :

SSTDIC002

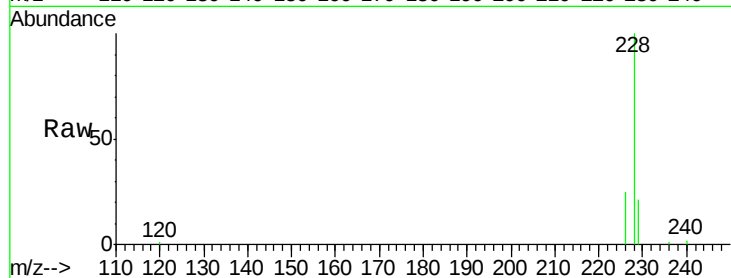
Tot Ion:228 Resp: 37447

Ion Ratio Lower Upper

228 100

226 25.4 20.6 31.0

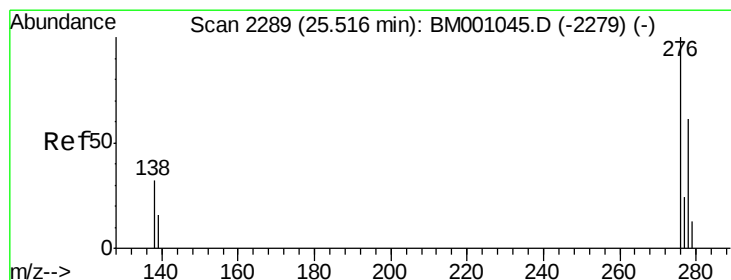
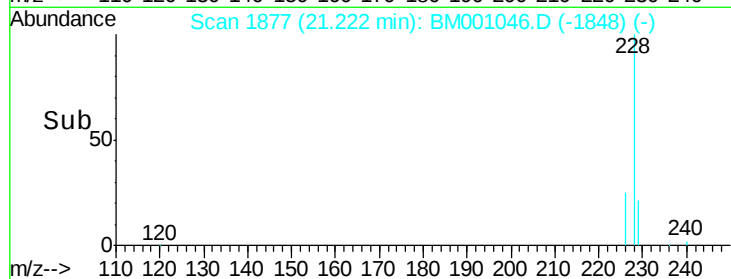
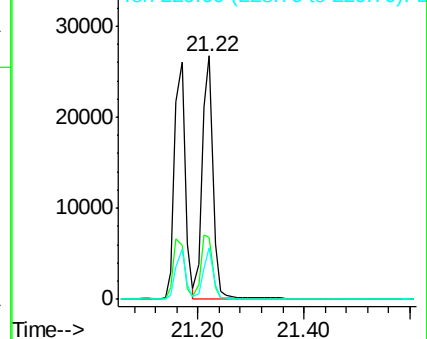
229 21.1 17.2 25.8



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: 2.04 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001046.D

Acq: 18 Apr 2015 01:07

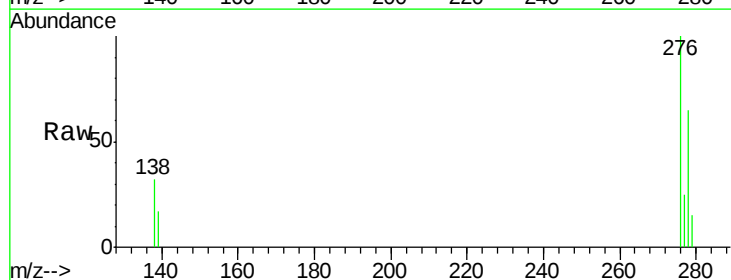
Tgt Ion:276 Resp: 38885

Ion Ratio Lower Upper

276 100

138 33.1 26.3 39.5

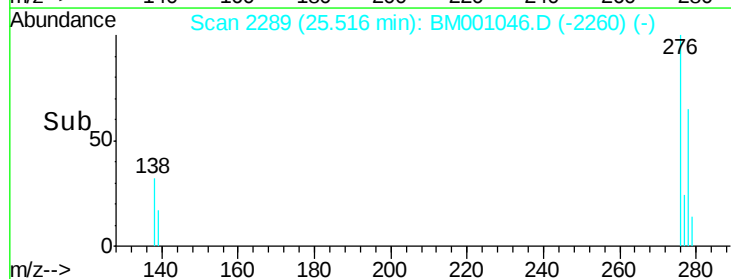
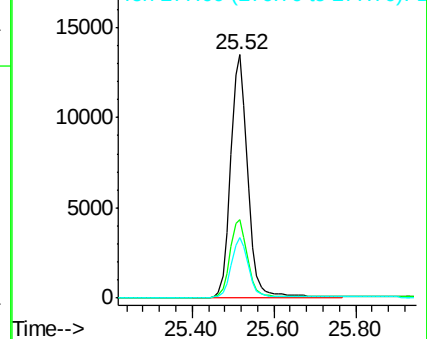
277 24.5 19.5 29.3

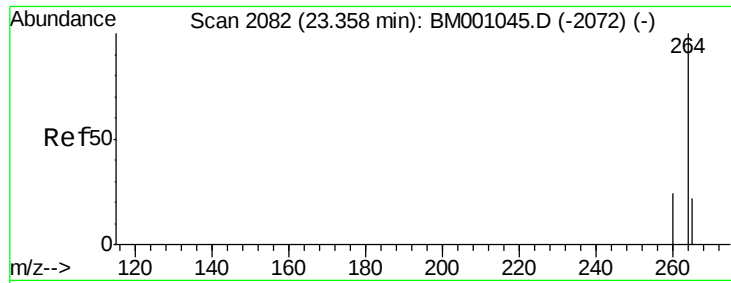


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

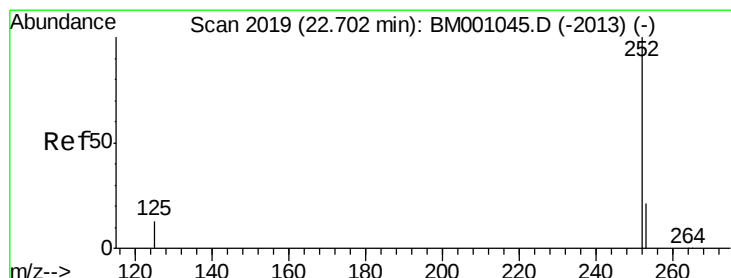
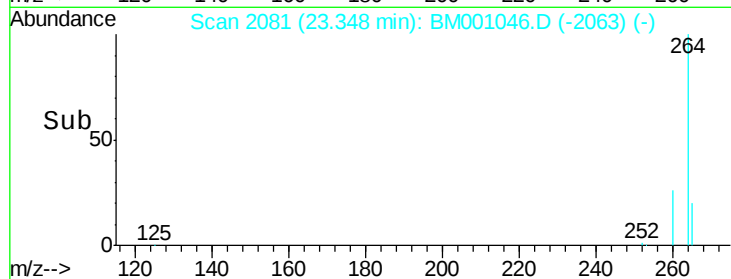
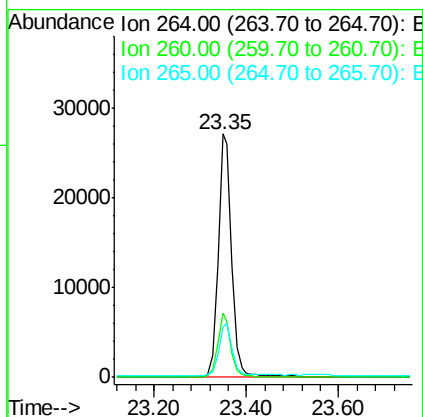
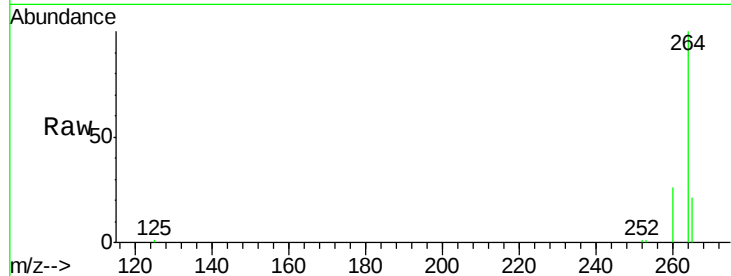




#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

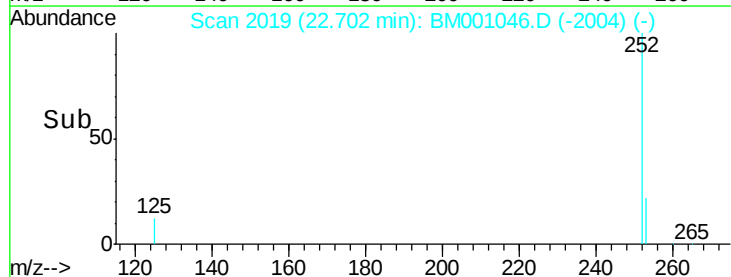
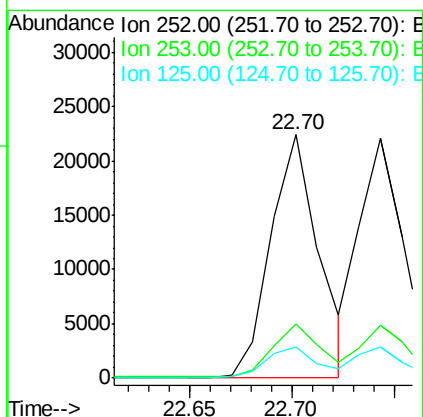
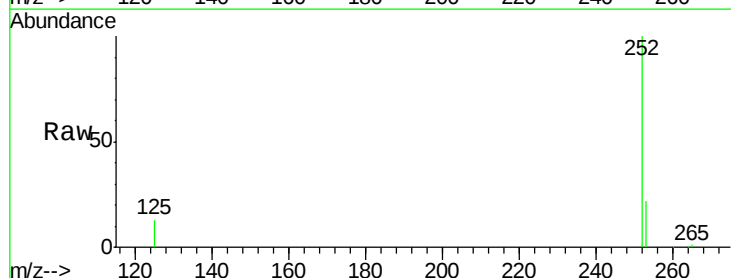
Instrument :
BNA_M
ClientSampleId :
SSTDIC002

Tot Ion:264 Resp: 54574
Ion Ratio Lower Upper
264 100
260 26.2 19.0 28.6
265 20.7 17.9 26.9



#26
Benzo(b)fluoranthene
Concen: 2.12 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:252 Resp: 36473
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 12.6 10.9 16.3

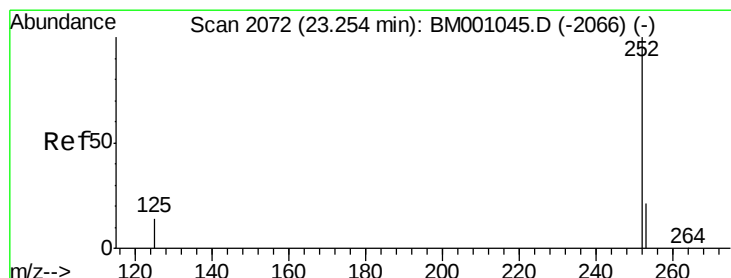
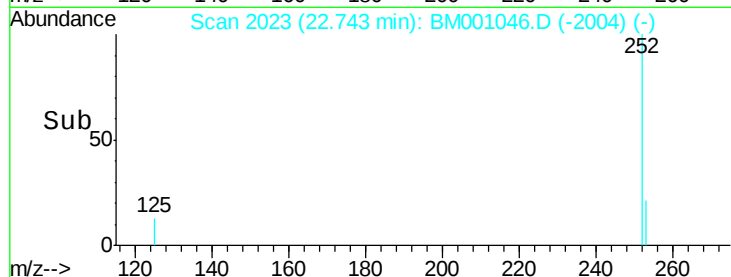
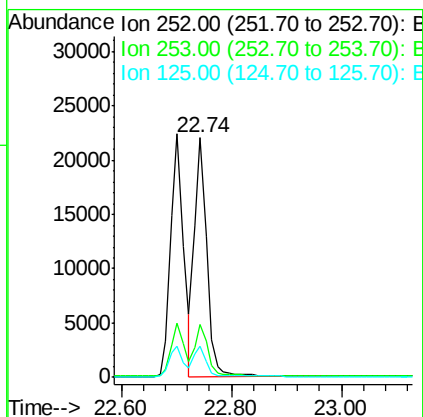
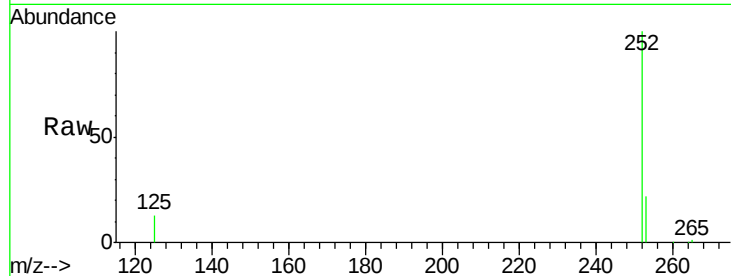




#27
Benzo(k)fluoranthene
Concen: 2.09 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

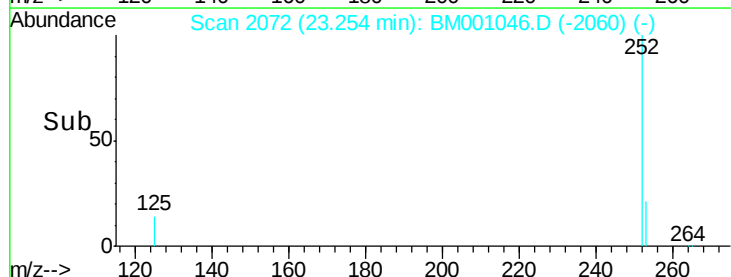
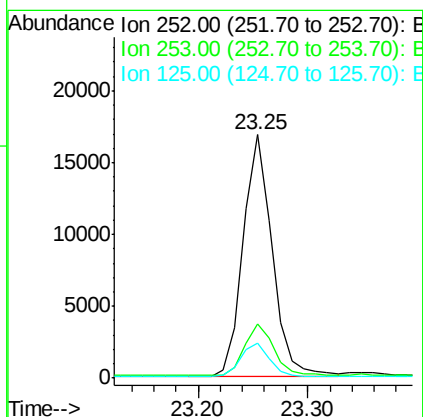
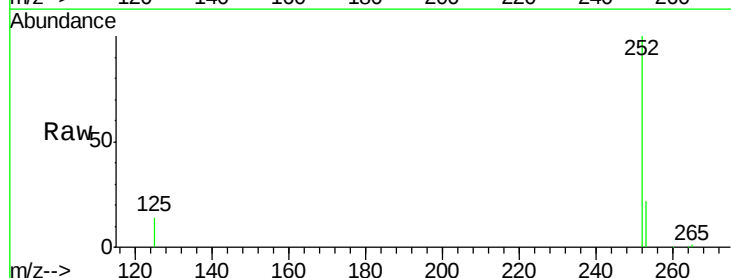
Instrument :
BNA_M
ClientSampleId :
SSTDICC002

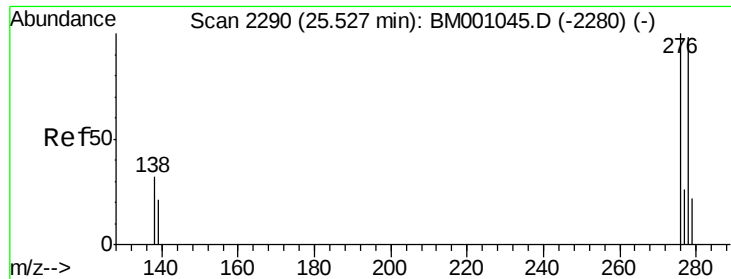
Tot Ion:252 Resp: 34462
Ion Ratio Lower Upper
252 100
253 22.1 18.3 27.5
125 12.9 10.6 15.8



#28
Benzo(a)pyrene
Concen: 2.09 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:252 Resp: 30892
Ion Ratio Lower Upper
252 100
253 22.3 18.6 27.8
125 14.2 11.9 17.9



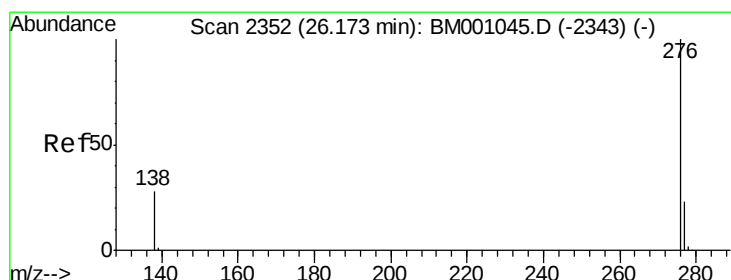
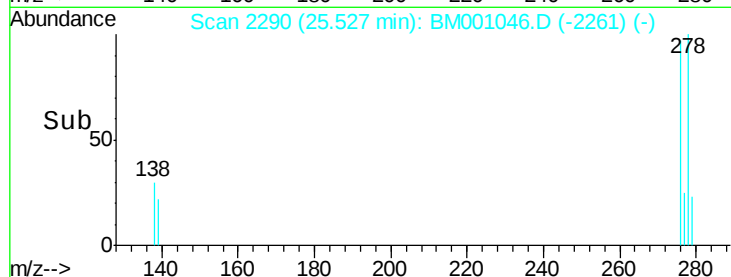
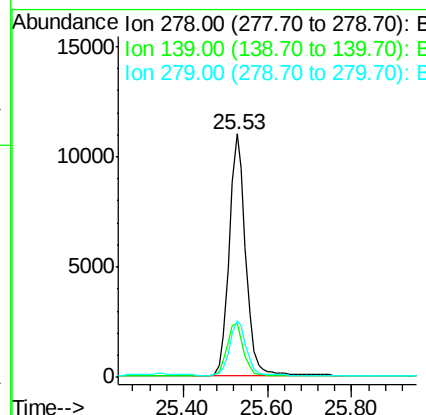
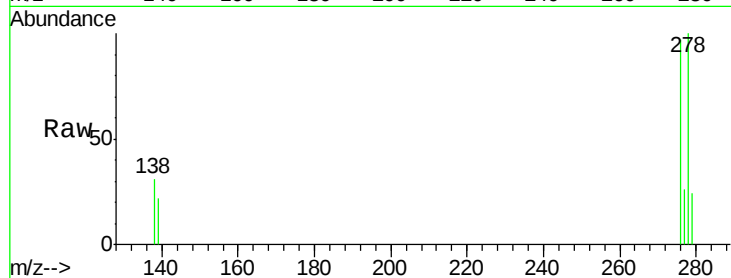


#29
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Instrument :
BNA_M
ClientSampleId :
SSTDICC002

Tot Ion:278 Resp: 30592

Ion	Ratio	Lower	Upper
278	100		
139	22.1	18.2	27.2
279	23.5	19.1	28.7



#30
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001046.D
Acq: 18 Apr 2015 01:07

Tgt Ion:276 Resp: 32424

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	28.9	23.4	35.2

