

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001041.D
 Acq On : 17 Apr 2015 22:08
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Quant Time: Apr 18 07:45:02 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

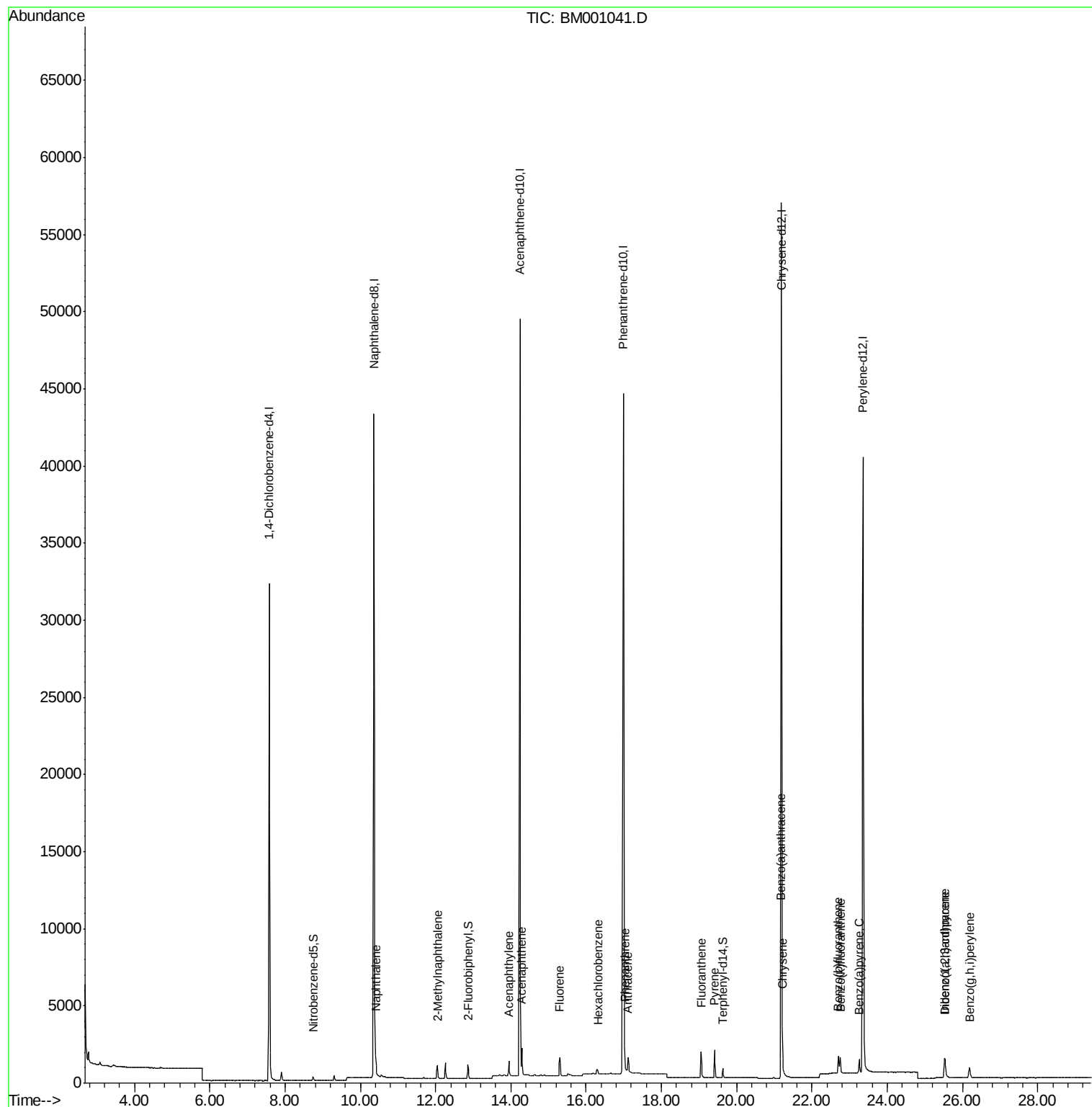
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	16286	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	58053	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30087	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	65552	5.00	ng	0.00
19) Chrysene-d12	21.19	240	55279	5.00	ng	0.00
25) Perylene-d12	23.36	264	50580	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.75	82	263	0.09	ng	0.01
9) 2-Fluorobiphenyl	12.86	172	980	0.10	ng	0.00
21) Terphenyl-d14	19.63	244	723	0.11	ng	0.00
Target Compounds						Ovalue
6) Naphthalene	10.41	128	1396	0.10	ng	# 88
7) 2-Methylnaphthalene	12.05	142	858	0.10	ng	# 94
10) Acenaphthylene	13.95	152	1192	0.09	ng	99
11) Acenaphthene	14.29	154	1018	0.11	ng	91
12) Fluorene	15.30	166	1044	0.10	ng	100
14) Hexachlorobenzene	16.31	284	361	0.10	ng	# 100
16) Phenanthrene	17.03	178	1761	0.10	ng	97
17) Anthracene	17.11	178	1458	0.10	ng	98
18) Fluoranthene	19.05	202	1758	0.10	ng	99
20) Pyrene	19.42	202	1802	0.10	ng	99
22) Benzo(a)anthracene	21.17	228	1695	0.11	ng	94
23) Chrysene	21.22	228	1637	0.10	ng	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	1671	0.10	ng	100
26) Benzo(b)fluoranthene	22.70	252	1661	0.10	ng	# 76
27) Benzo(k)fluoranthene	22.75	252	1424	0.09	ng	# 73
28) Benzo(a)pyrene	23.25	252	1325	0.10	ng	# 69
29) Dibenzo(a,h)anthracene	25.54	278	1303	0.10	ng	# 78
30) Benzo(a,h,i)perylene	26.18	276	1480	0.10	ng	# 85

(#) = 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: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

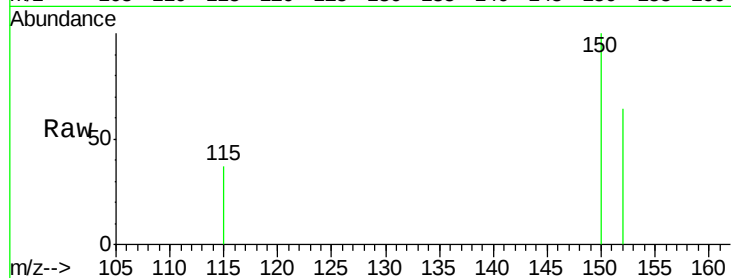
Tot Ion:152 Resp: 16286

Ion Ratio Lower Upper

152 100

150 155.0 123.3 184.9

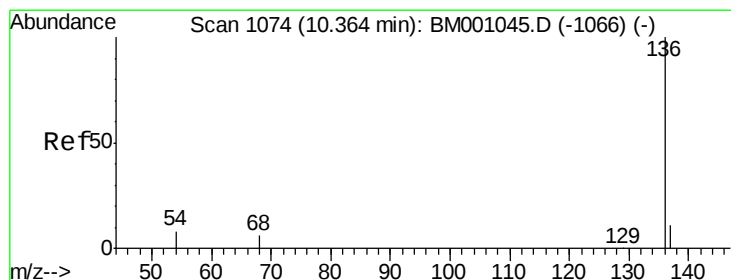
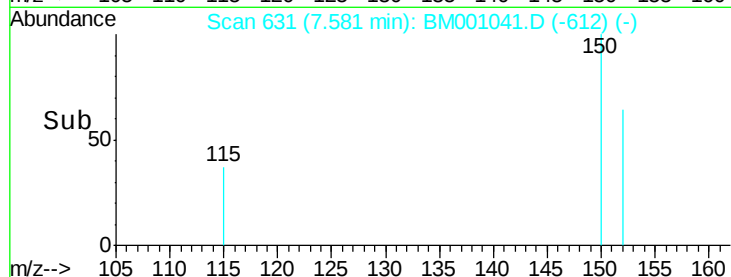
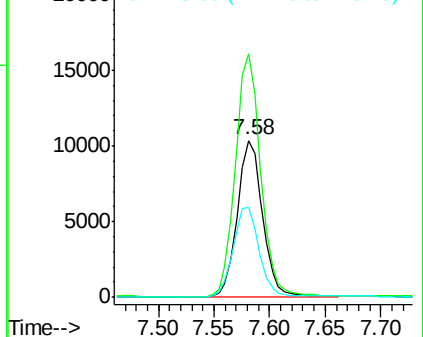
115 57.2 45.0 67.6



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



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

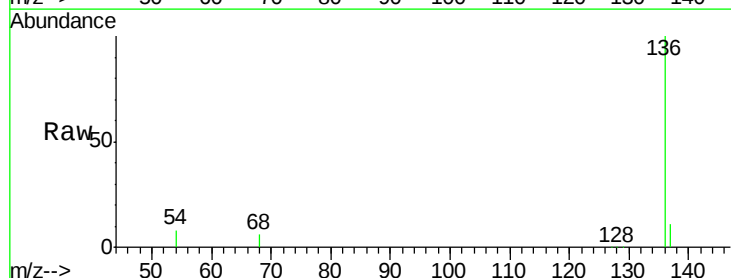
Tgt Ion:136 Resp: 58053

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

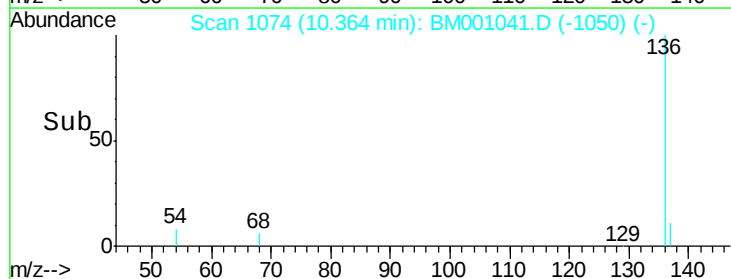
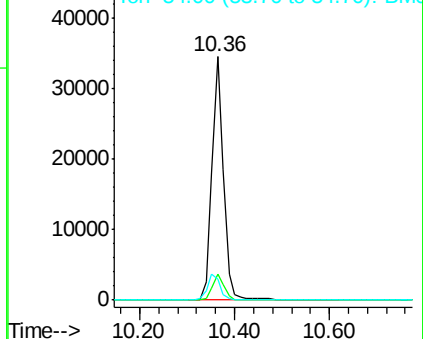
54 8.5 6.5 9.7

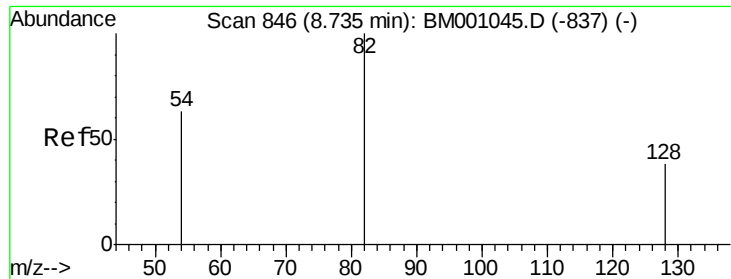


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM





#5

Nitrobenzene-d5

Concen: 0.09 ng

RT: 8.75 min Scan# 848

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

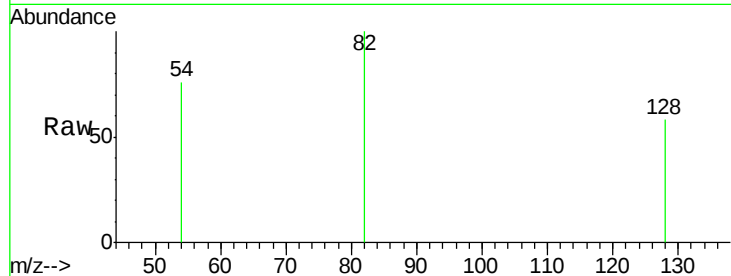
Tot Ion: 82 Resp: 263

Ion Ratio Lower Upper

82 100

128 57.7 31.9 47.9#

54 75.6 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): BM001041.D (-837) (-)

Ion 128.00 (127.70 to 128.70): BM001041.D (-837) (-)

Ion 54.00 (53.70 to 54.70): BM001041.D (-837) (-)

8.75

150

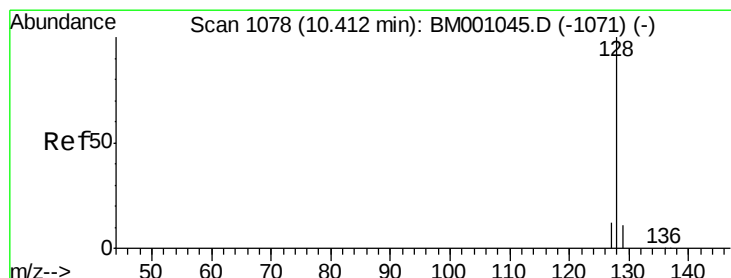
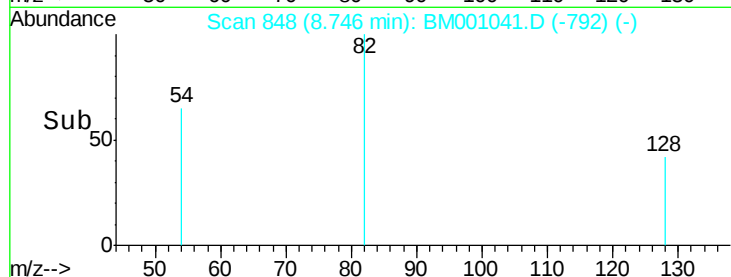
100

50

0

8.70 8.80

Time-->



#6

Naphthalene

Concen: 0.10 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

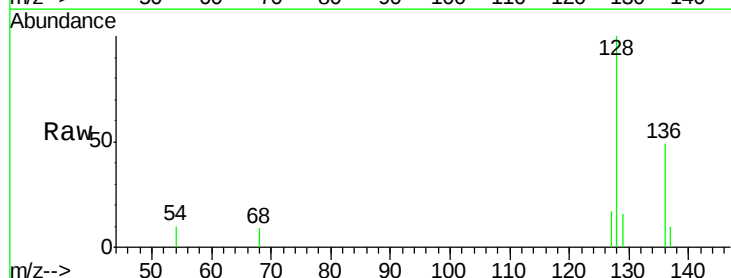
Tgt Ion: 128 Resp: 1396

Ion Ratio Lower Upper

128 100

129 16.1 9.3 13.9#

127 17.3 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): BM001041.D (-1053) (-)

Ion 129.00 (128.70 to 129.70): BM001041.D (-1053) (-)

Ion 127.00 (126.70 to 127.70): BM001041.D (-1053) (-)

10.41

1000

800

600

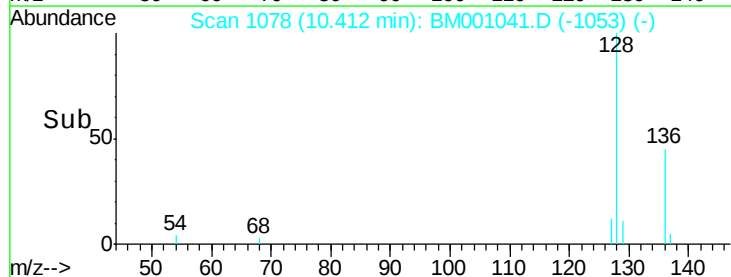
400

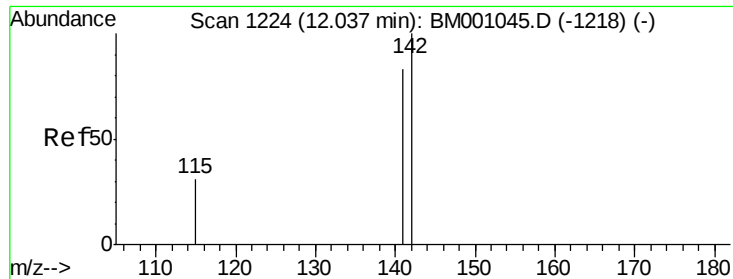
200

0

10.30 10.40 10.50

Time-->





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 12.05 min Scan# 1225

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

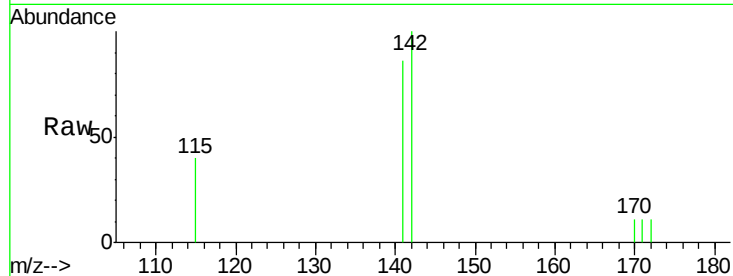
Tot Ion:142 Resp: 858

Ion Ratio Lower Upper

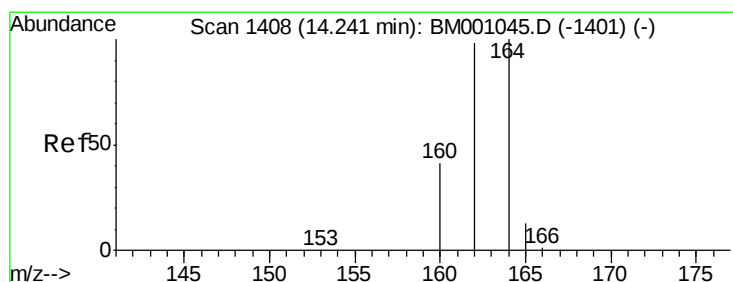
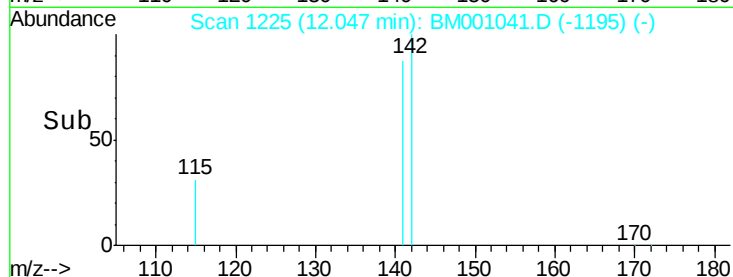
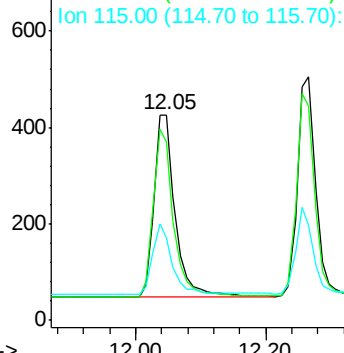
142 100

141 86.4 66.7 100.1

115 40.0 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: BM001041.D

Acq: 17 Apr 2015 22:08

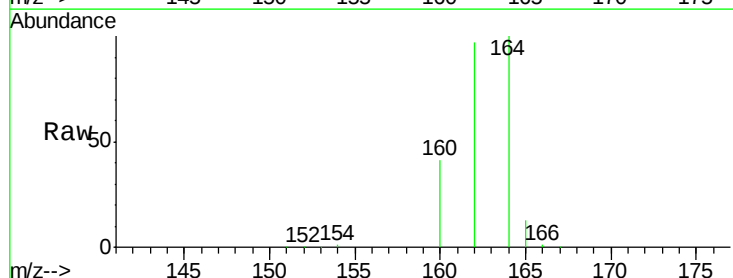
Tgt Ion:164 Resp: 30087

Ion Ratio Lower Upper

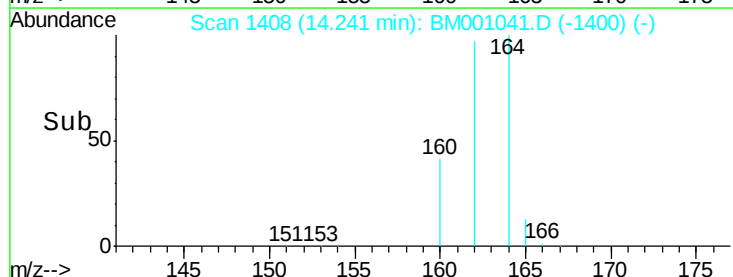
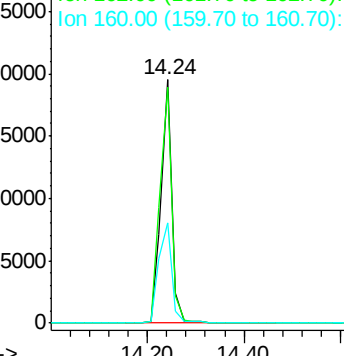
164 100

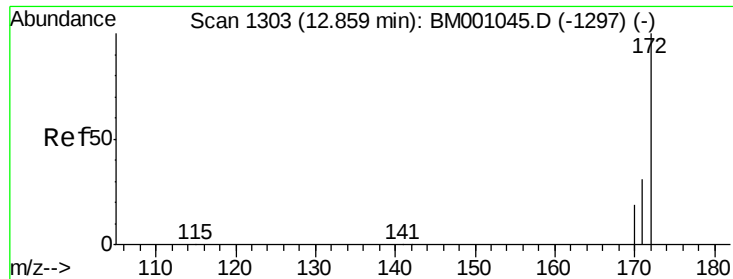
162 96.7 78.5 117.7

160 41.0 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

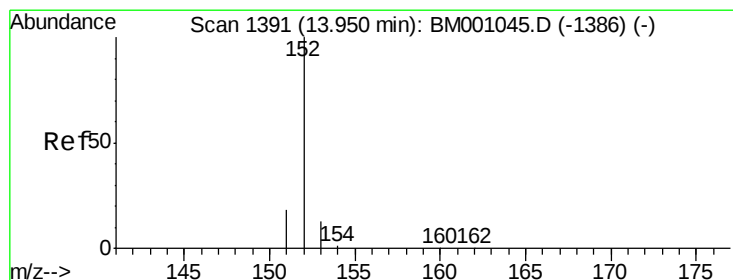
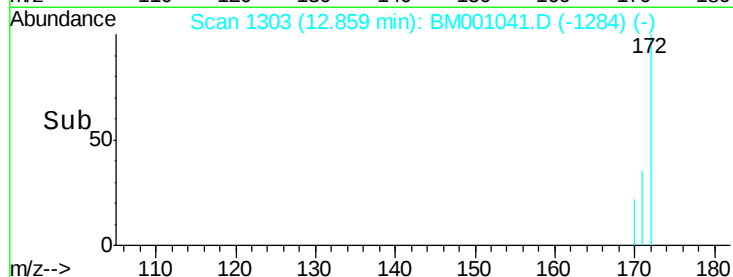
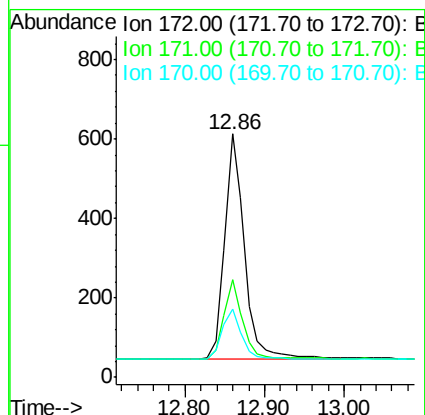
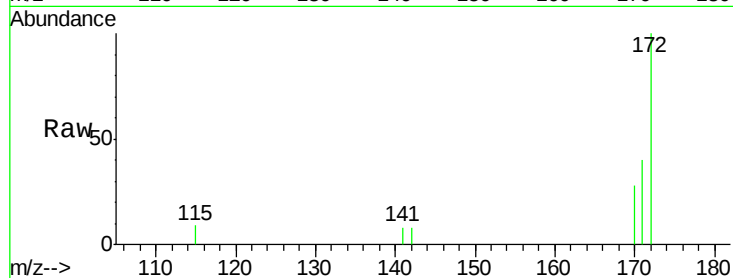




#9
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

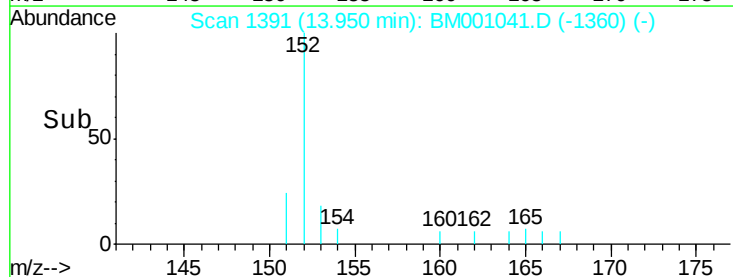
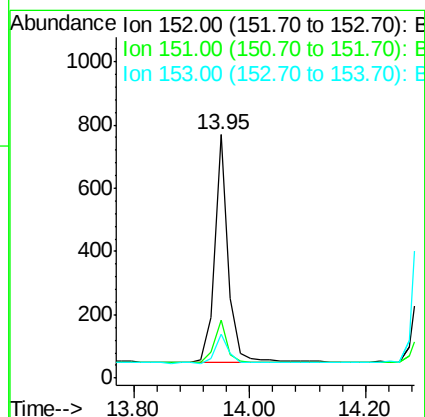
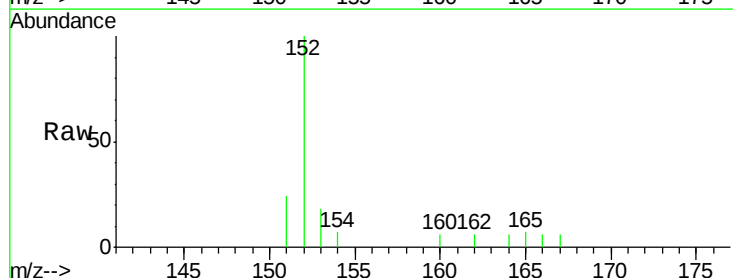
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

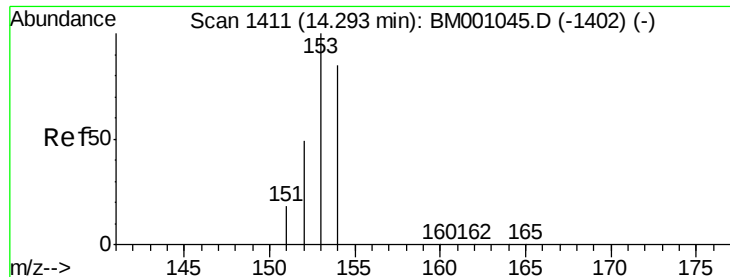
Tot Ion:172 Resp: 980
Ion Ratio Lower Upper
172 100
171 40.3 25.6 38.4#
170 27.9 15.8 23.6#



#10
Acenaphthylene
Concen: 0.09 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:152 Resp: 1192
Ion Ratio Lower Upper
152 100
151 18.5 14.7 22.1
153 13.2 10.2 15.2





#11

Acenaphthene

Concen: 0.11 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

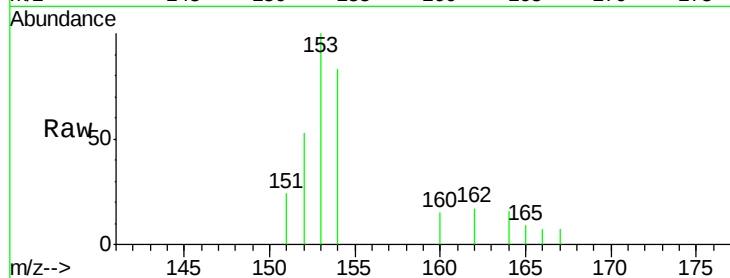
Tot Ion:154 Resp: 1018

Ion Ratio Lower Upper

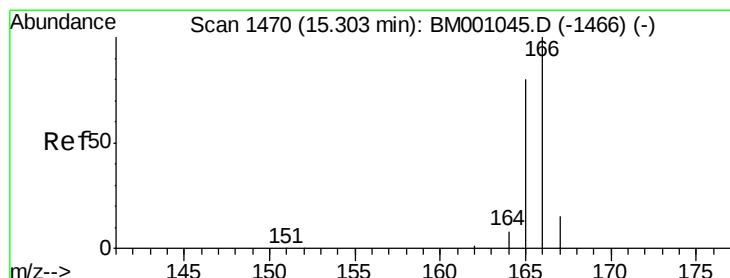
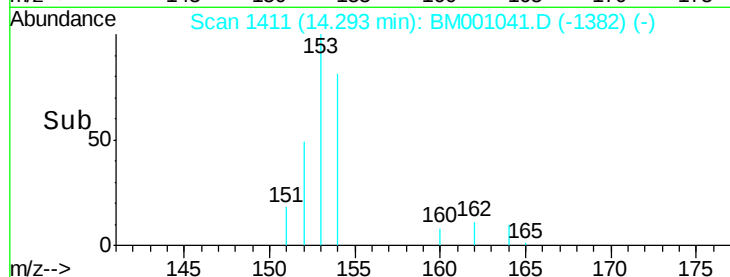
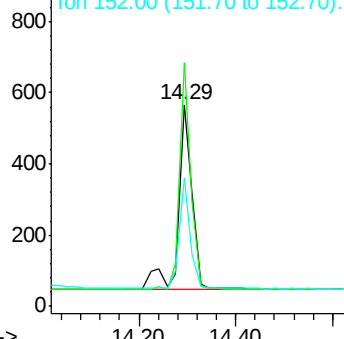
154 100

153 100.1 88.1 132.1

152 47.9 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: 0.10 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

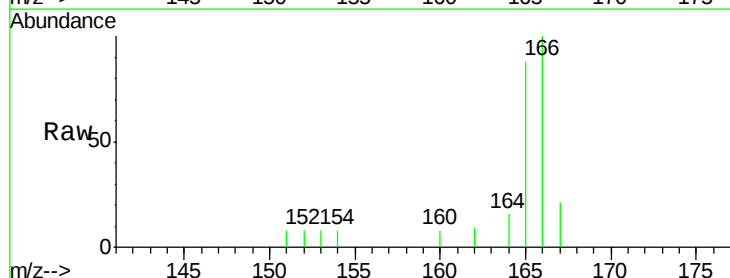
Tgt Ion:166 Resp: 1044

Ion Ratio Lower Upper

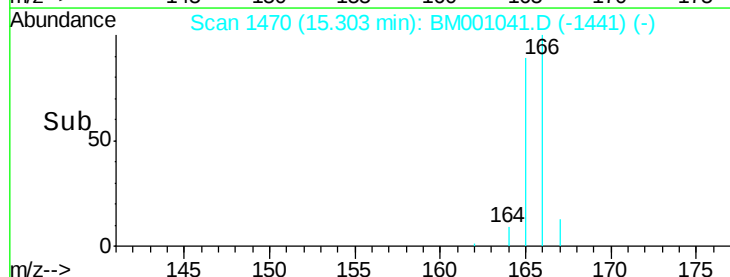
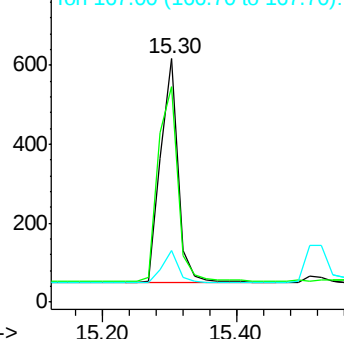
166 100

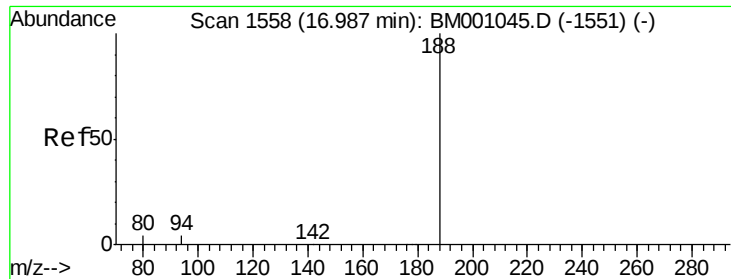
165 97.3 77.6 116.4

167 13.8 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

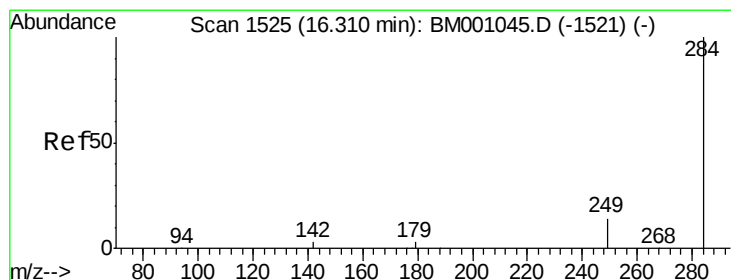
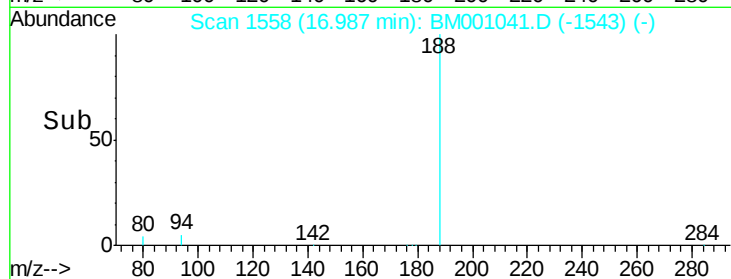
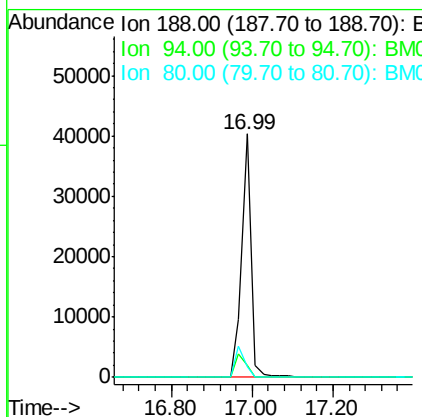
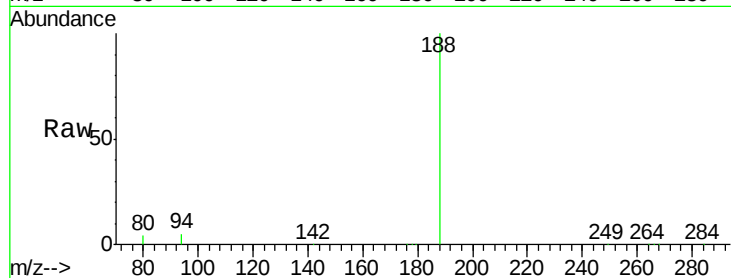




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

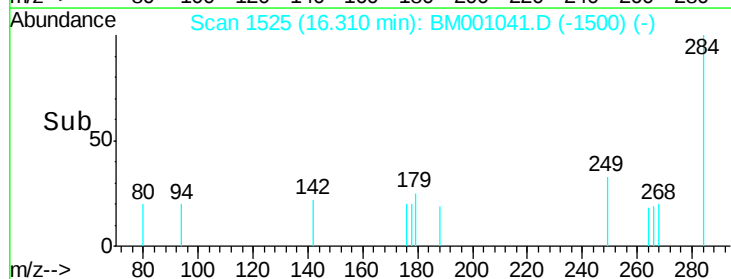
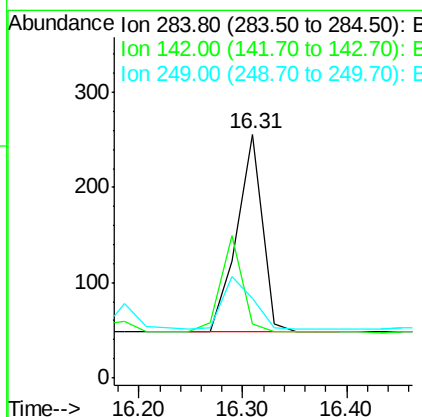
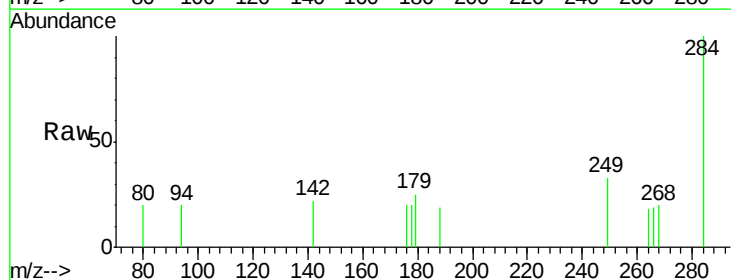
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

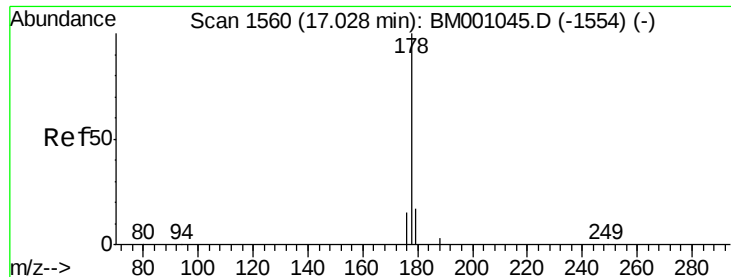
Tot Ion:188 Resp: 65552
Ion Ratio Lower Upper
188 100
94 4.9 3.6 5.4
80 4.4 3.0 4.6



#14
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:284 Resp: 361
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#16

Phenanthrene

Concen: 0.10 ng

RT: 17.03 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

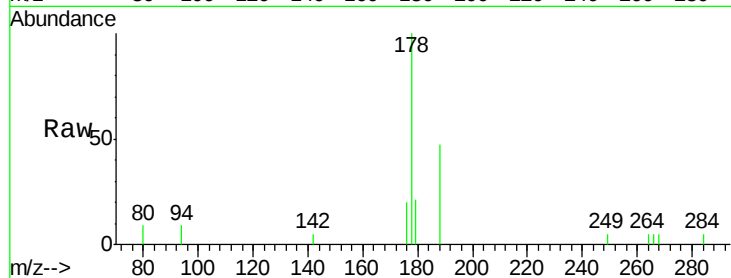
Tot Ion:178 Resp: 1761

Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

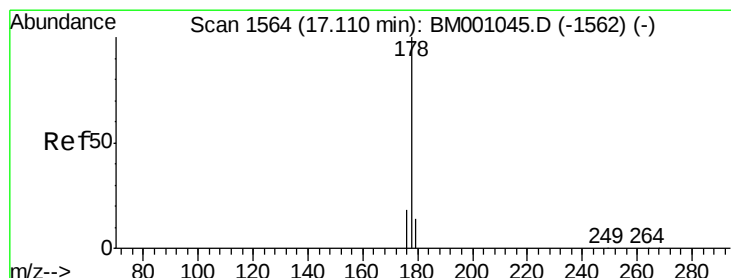
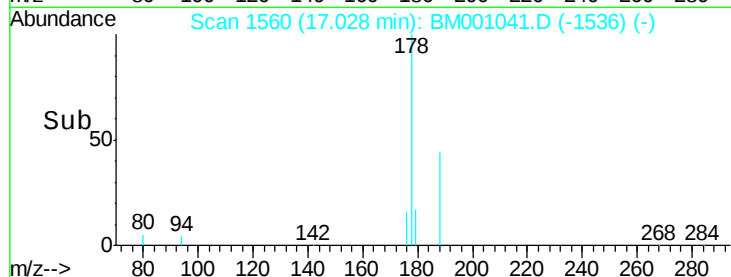
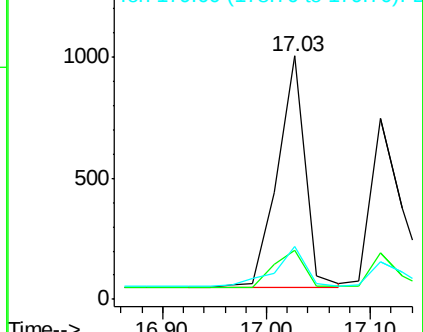
179 18.1 12.6 19.0



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: 0.10 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

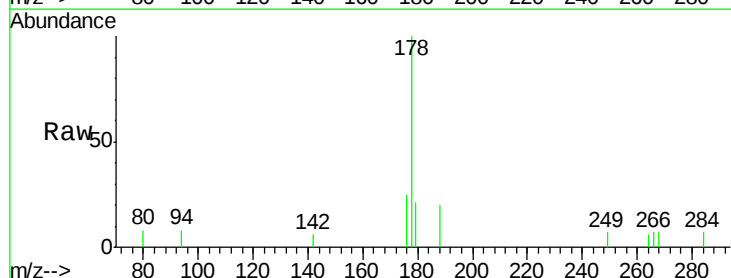
Tgt Ion:178 Resp: 1458

Ion Ratio Lower Upper

178 100

176 18.6 14.3 21.5

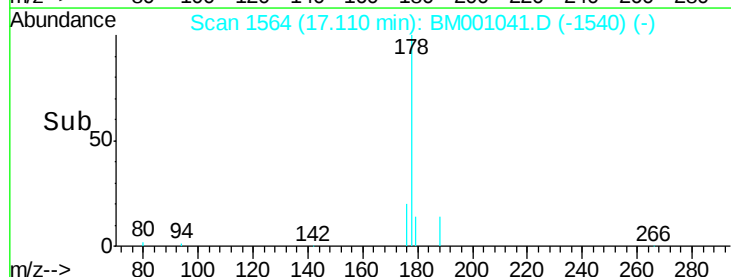
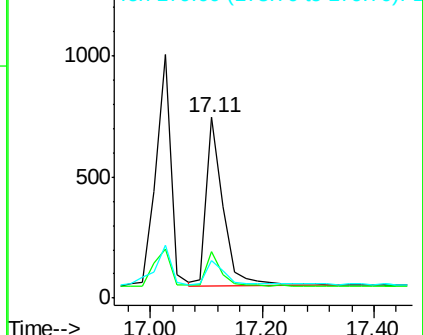
179 15.8 11.8 17.8

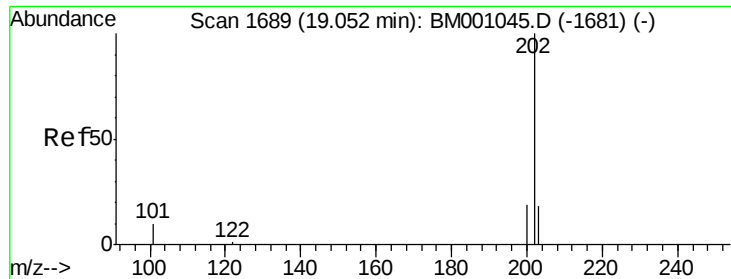


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 0.10 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

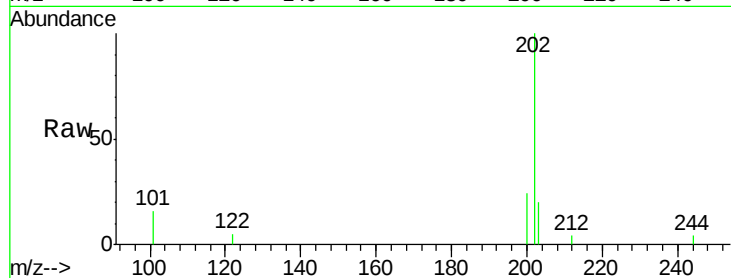
Tot Ion:202 Resp: 1758

Ion Ratio Lower Upper

202 100

101 11.9 10.1 15.1

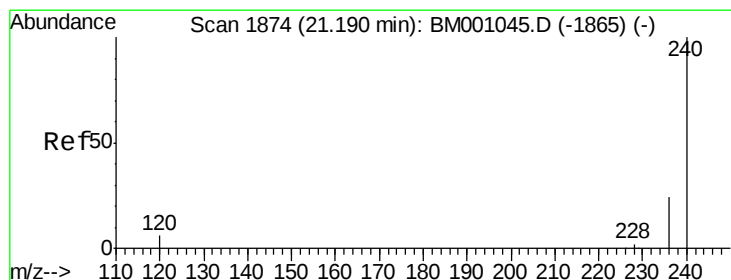
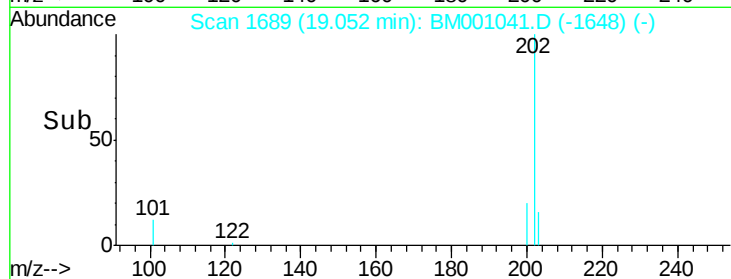
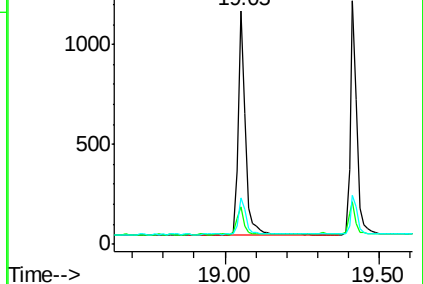
203 17.3 13.8 20.8



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: BM001041.D

Acq: 17 Apr 2015 22:08

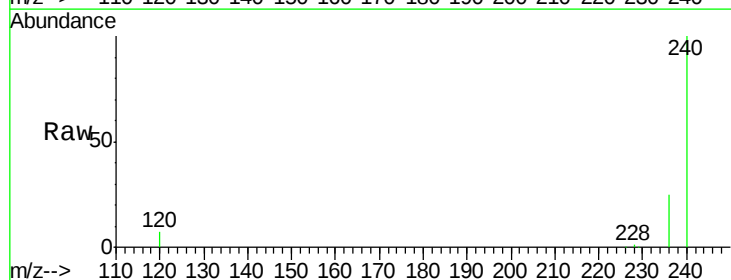
Tgt Ion:240 Resp: 55279

Ion Ratio Lower Upper

240 100

120 7.2 4.6 6.8#

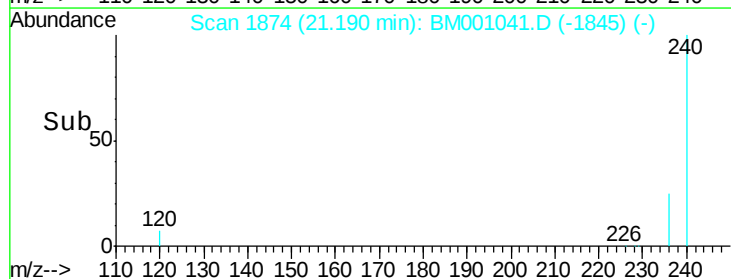
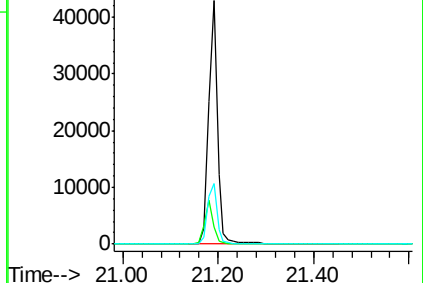
236 24.8 19.1 28.7

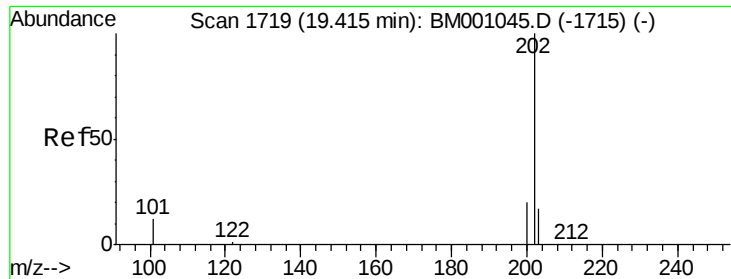


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

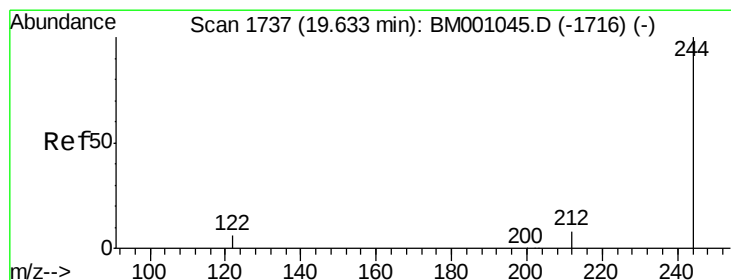
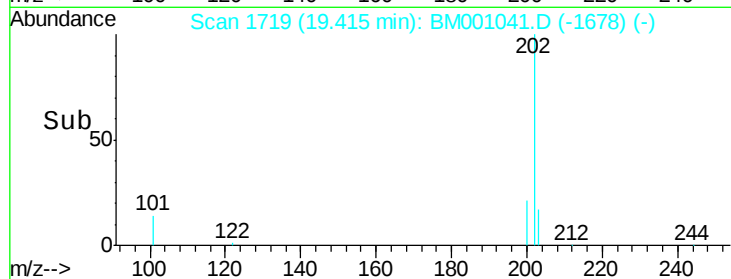
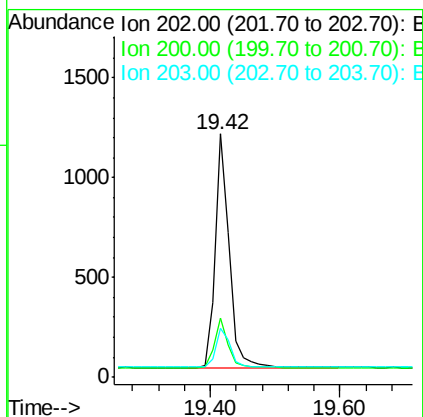
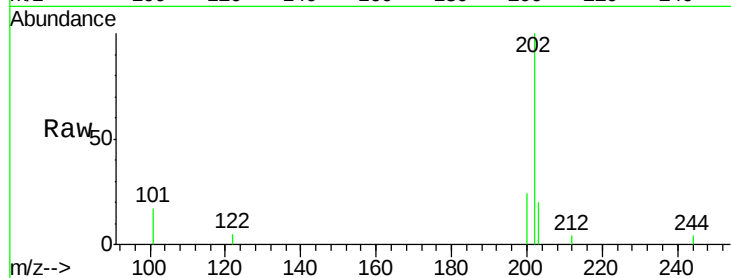




#20
Pvrene
Concen: 0.10 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

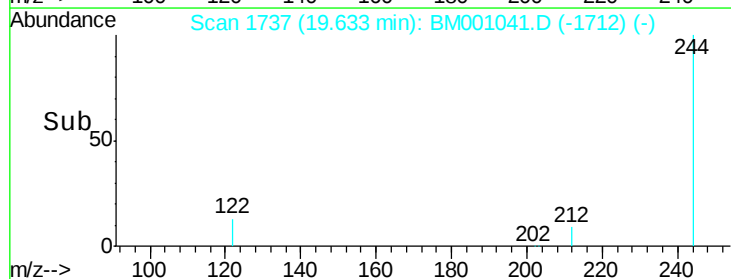
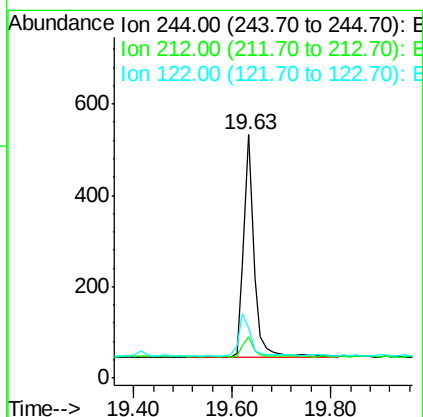
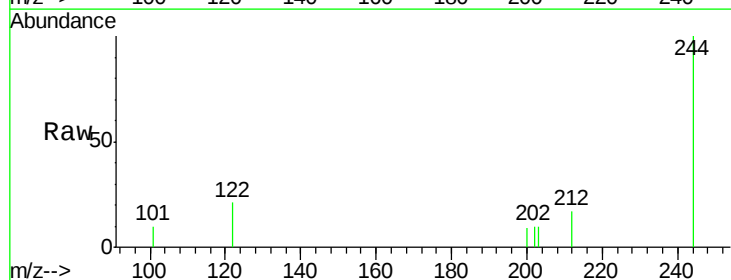
Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

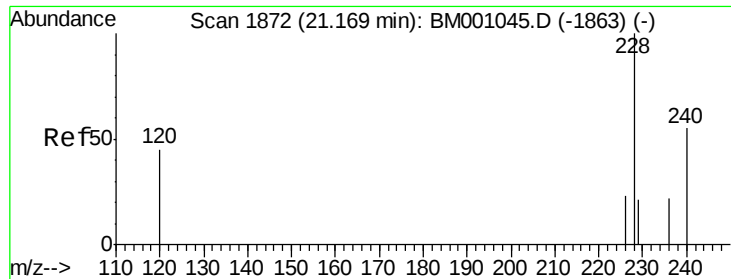
Tot Ion:202 Resp: 1802
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.6 13.8 20.6



#21
Terphenyl-d14
Concen: 0.11 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:244 Resp: 723
Ion Ratio Lower Upper
244 100
212 16.9 7.1 10.7#
122 20.6 5.9 8.9#





#22

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

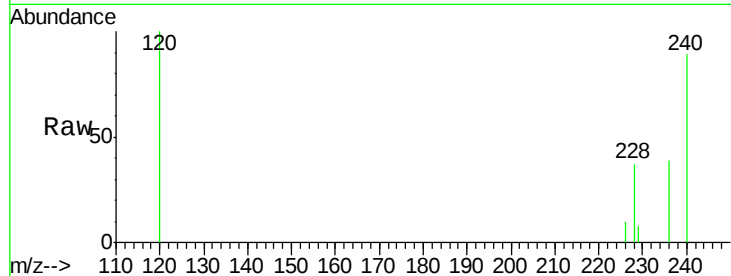
Tot Ion:228 Resp: 1695

Ion Ratio Lower Upper

228 100

226 27.9 19.0 28.6

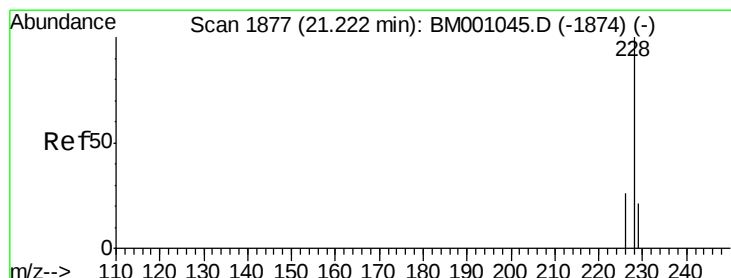
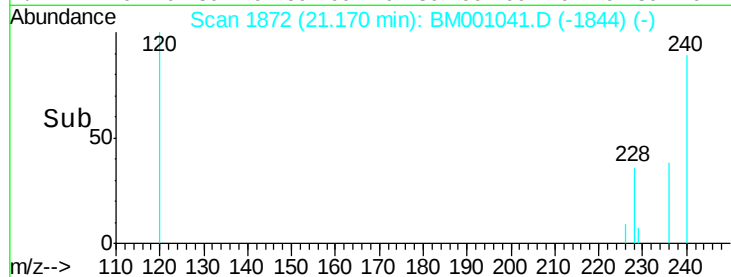
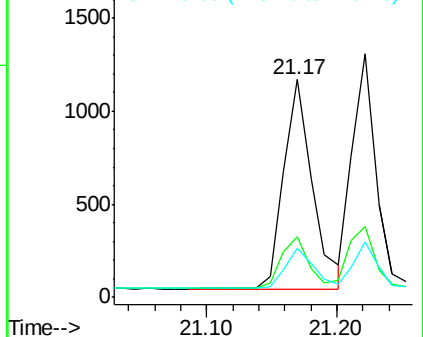
229 22.4 16.8 25.2



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: 0.10 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

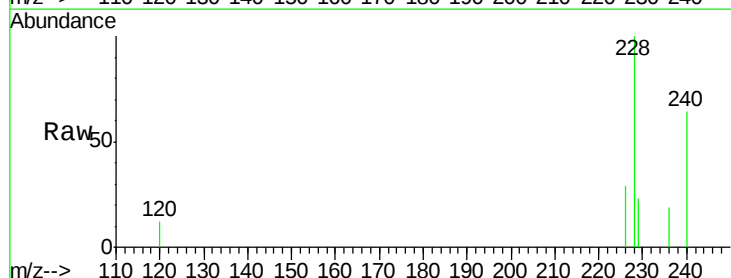
Tgt Ion:228 Resp: 1637

Ion Ratio Lower Upper

228 100

226 29.4 20.6 31.0

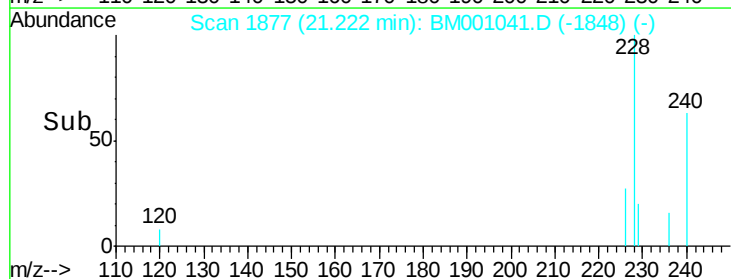
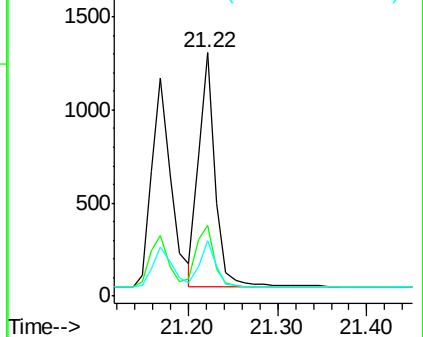
229 23.0 17.2 25.8

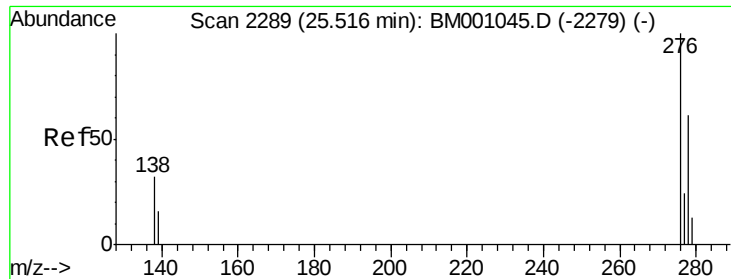


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

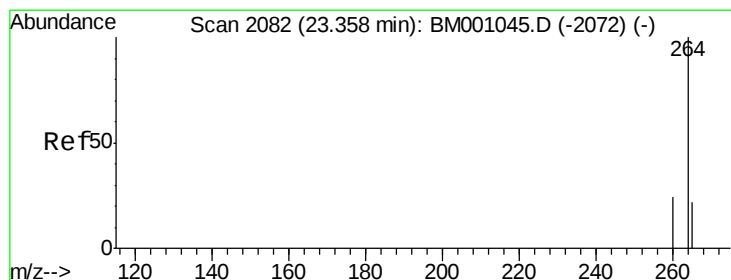
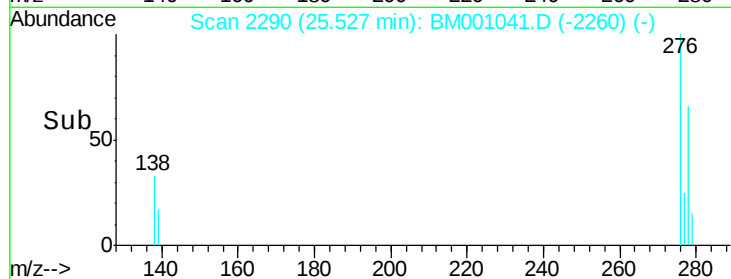
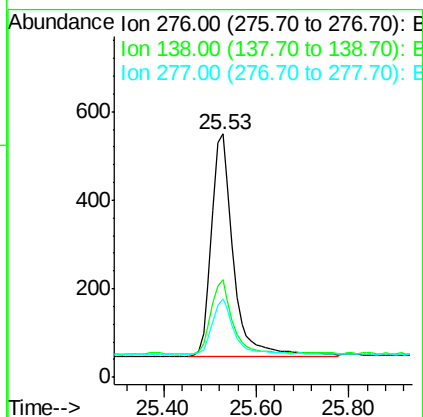
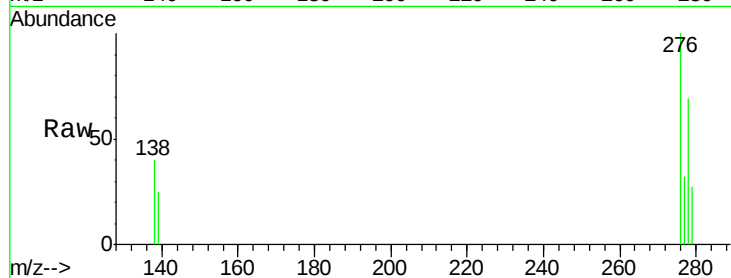




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

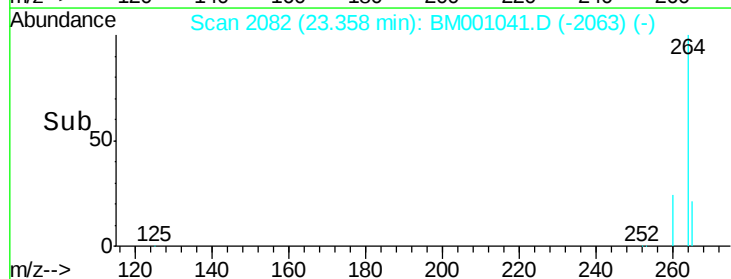
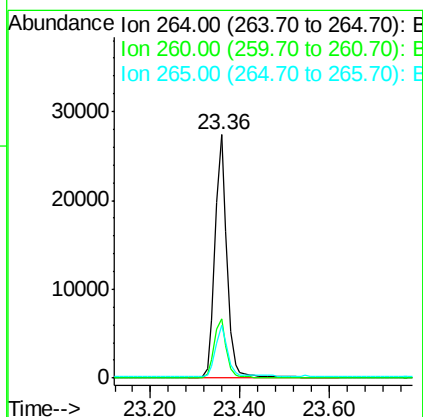
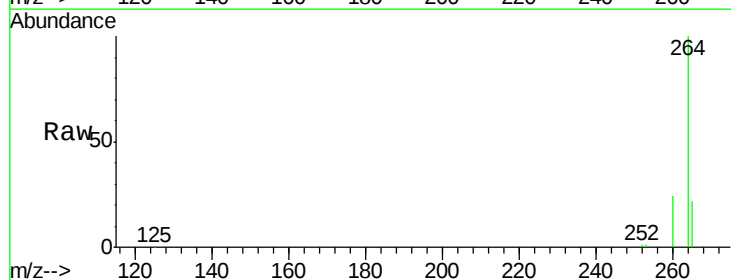
Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

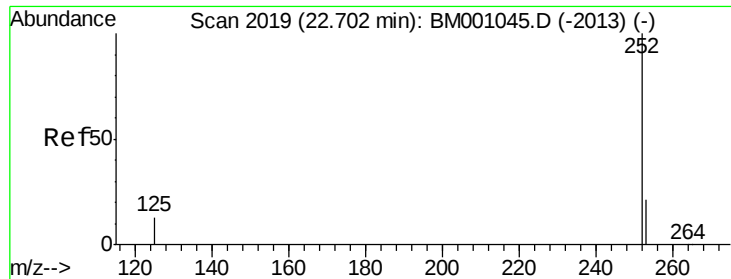
Tot Ion:276 Resp: 1671
Ion Ratio Lower Upper
276 100
138 32.6 26.3 39.5
277 24.4 19.5 29.3



#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001041.D
Acq: 17 Apr 2015 22:08

Tgt Ion:264 Resp: 50580
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 21.7 17.9 26.9





#26

Benzo(b)fluoranthene

Concen: 0.10 ng

RT: 22.70 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

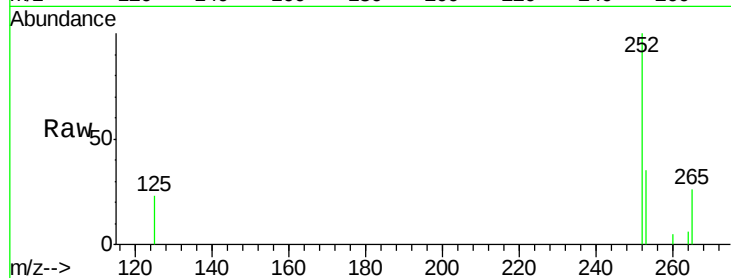
Tot Ion:252 Resp: 1661

Ion Ratio Lower Upper

252 100

253 35.0 18.2 27.2#

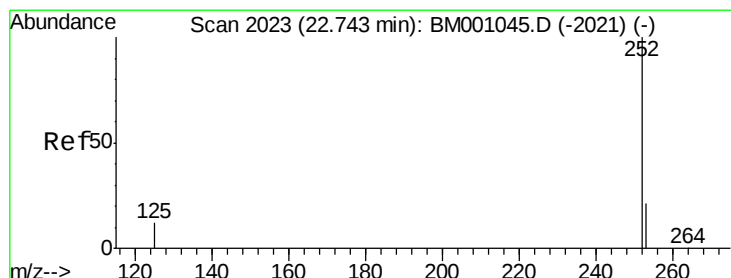
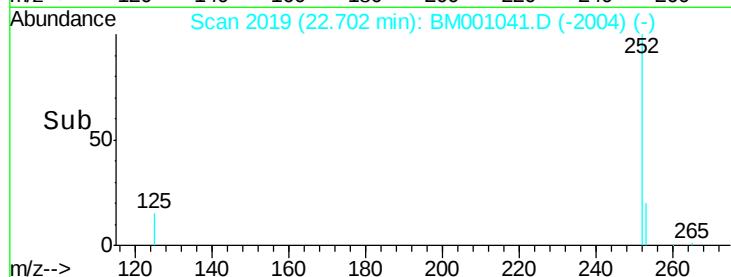
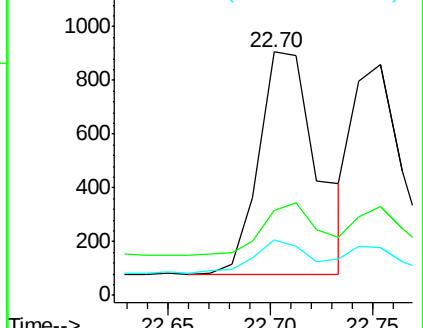
125 22.6 10.9 16.3#



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



#27

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 22.75 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

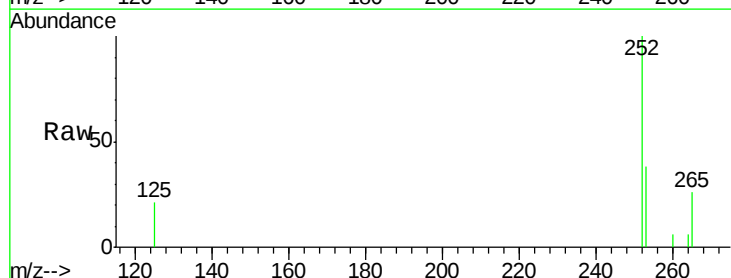
Tgt Ion:252 Resp: 1424

Ion Ratio Lower Upper

252 100

253 38.4 18.3 27.5#

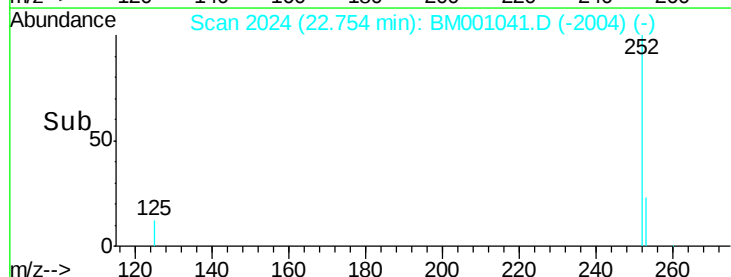
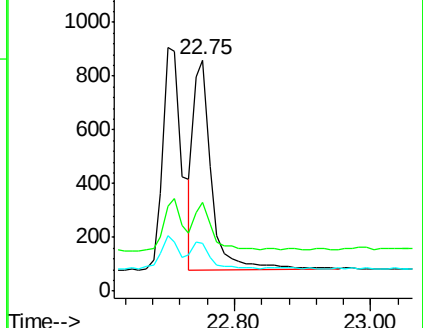
125 20.6 10.6 15.8#

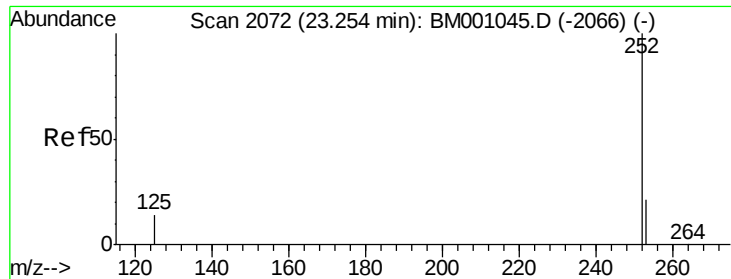


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: 0.10 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

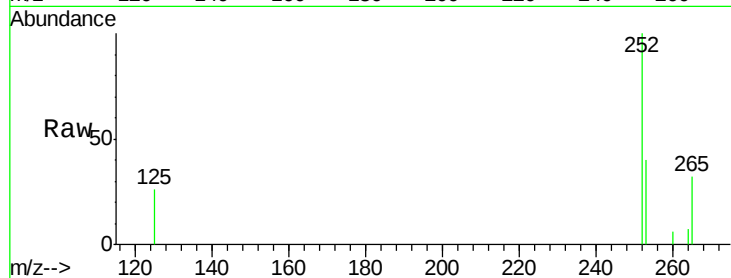
Tot Ion:252 Resp: 1325

Ion Ratio Lower Upper

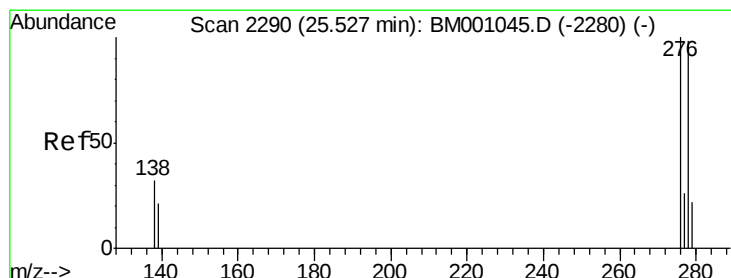
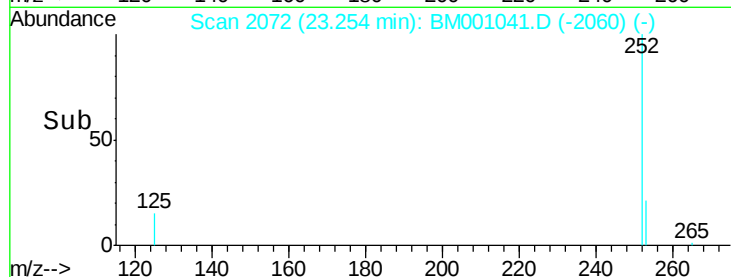
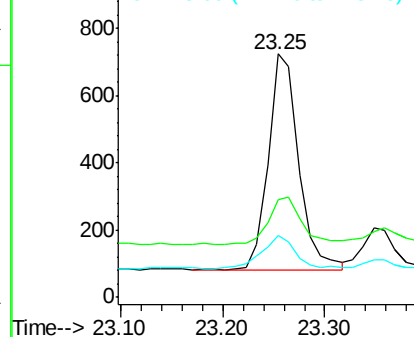
252 100

253 40.1 18.6 27.8#

125 25.5 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: 0.10 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

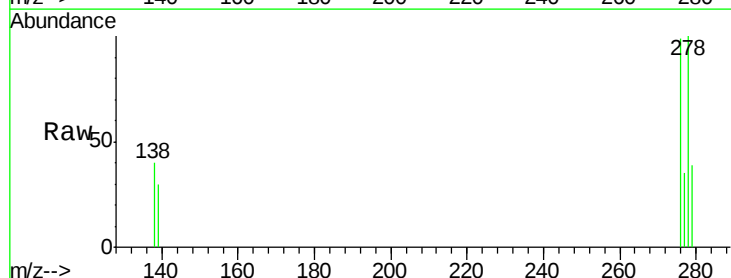
Tgt Ion:278 Resp: 1303

Ion Ratio Lower Upper

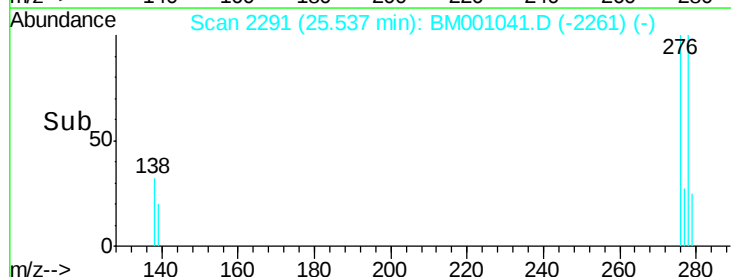
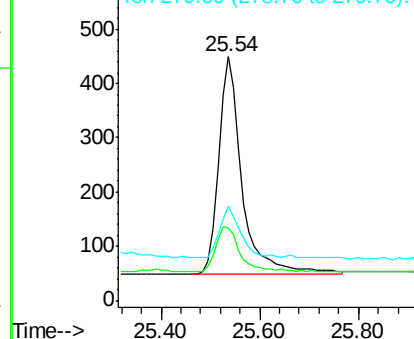
278 100

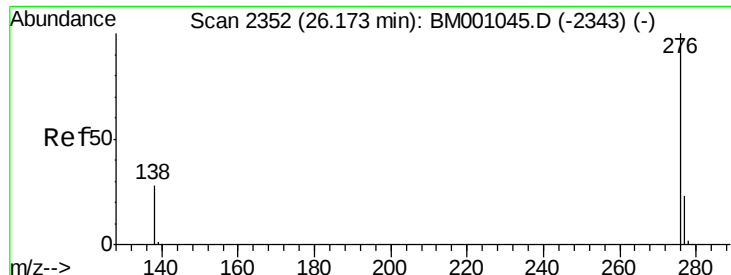
139 29.8 18.2 27.2#

279 38.5 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 0.10 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001041.D

Acq: 17 Apr 2015 22:08

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.1

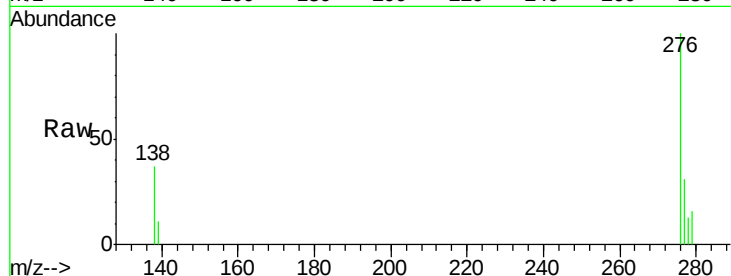
Tot Ion:276 Resp: 1480

Ion Ratio Lower Upper

276 100

277 31.5 19.0 28.4#

138 36.7 23.4 35.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

