

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001042.D
 Acq On : 17 Apr 2015 22:44
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Quant Time: Apr 18 07:48:02 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	16676	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	59174	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	30693	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	66039	5.00	ng	0.00
19) Chrysene-d12	21.19	240	55390	5.00	ng	0.00
25) Perylene-d12	23.36	264	50636	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.74	82	552	0.19	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	1995	0.21	ng	0.00
21) Terphenyl-d14	19.63	244	1401	0.21	ng	0.00

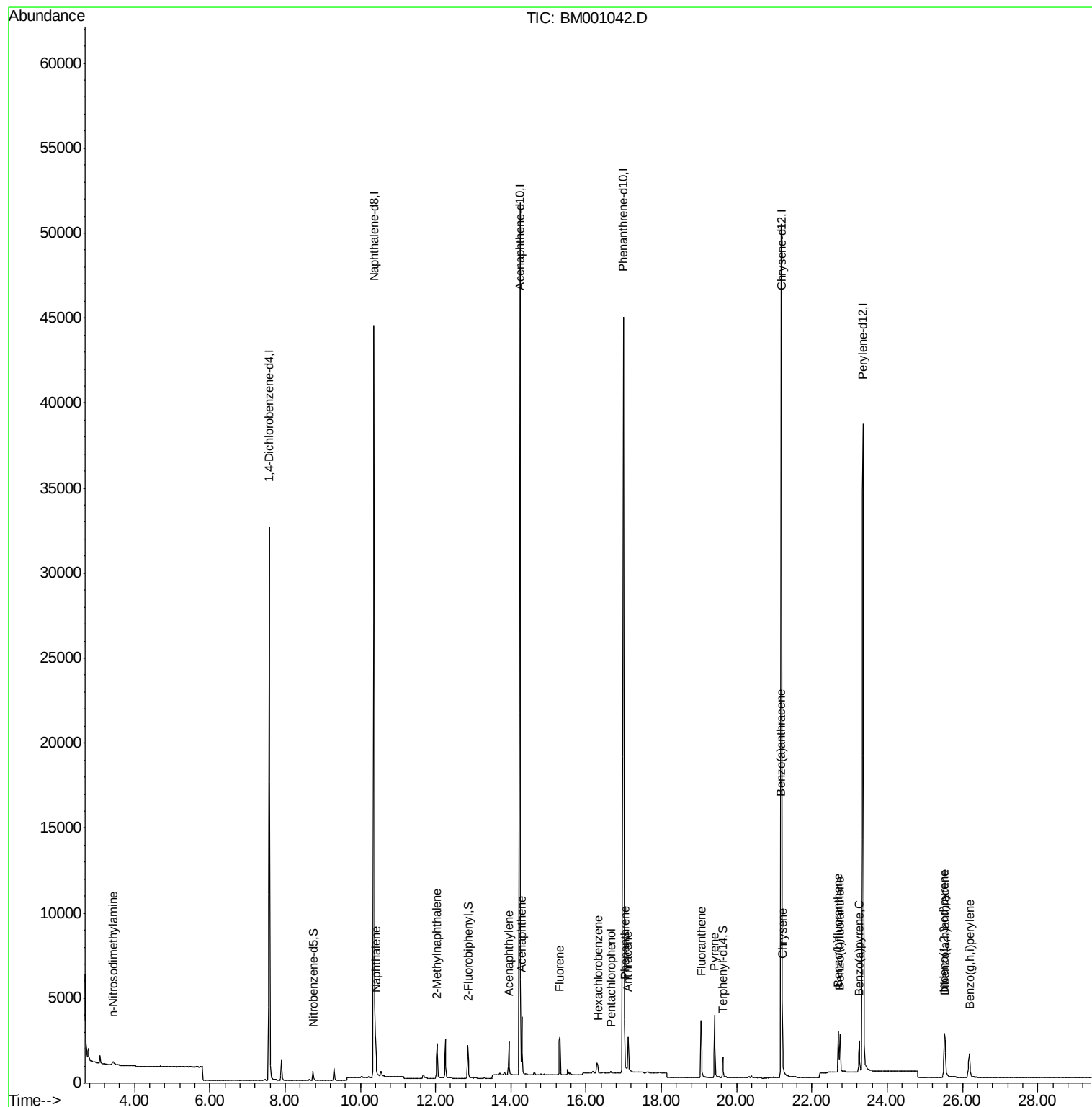
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) n-Nitrosodimethylamine	3.43	42	282	0.18	ng	# 98
6) Naphthalene	10.41	128	2778	0.20	ng	# 95
7) 2-Methylnaphthalene	12.04	142	1745	0.20	ng	# 90
10) Acenaphthylene	13.95	152	2425	0.18	ng	# 99
11) Acenaphthene	14.29	154	1902	0.20	ng	# 95
12) Fluorene	15.30	166	2100	0.20	ng	# 98
14) Hexachlorobenzene	16.31	284	710	0.19	ng	# 100
15) Pentachlorophenol	16.66	266	128	0.13	ng	# 82
16) Phenanthrene	17.03	178	3394	0.19	ng	# 99
17) Anthracene	17.11	178	2962	0.19	ng	# 98
18) Fluoranthene	19.05	202	3408	0.19	ng	# 100
20) Pyrene	19.42	202	3534	0.20	ng	# 99
22) Benzo(a)anthracene	21.17	228	3063	0.19	ng	# 97
23) Chrysene	21.22	228	3398	0.21	ng	# 96
24) Indeno(1,2,3-cd)pyrene	25.52	276	3343	0.19	ng	# 99
26) Benzo(b)fluoranthene	22.70	252	2957	0.19	ng	# 90
27) Benzo(k)fluoranthene	22.74	252	3047	0.20	ng	# 90
28) Benzo(a)pyrene	23.25	252	2578	0.19	ng	# 86
29) Dibenzo(a,h)anthracene	25.54	278	2574	0.19	ng	# 91
30) Benzo(g,h,i)perylene	26.18	276	2895	0.20	ng	# 94

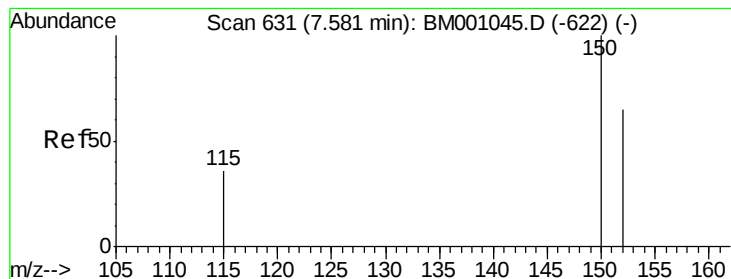
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

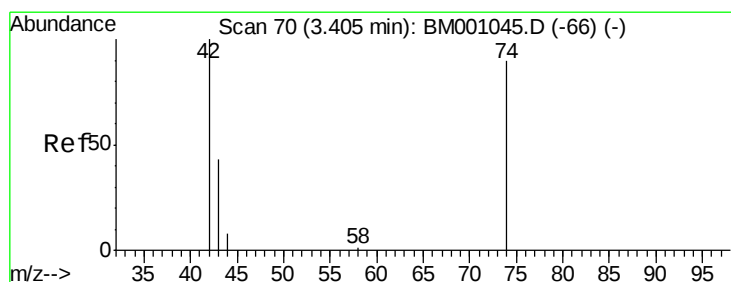
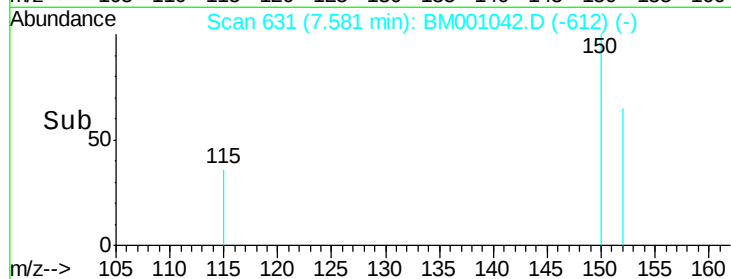
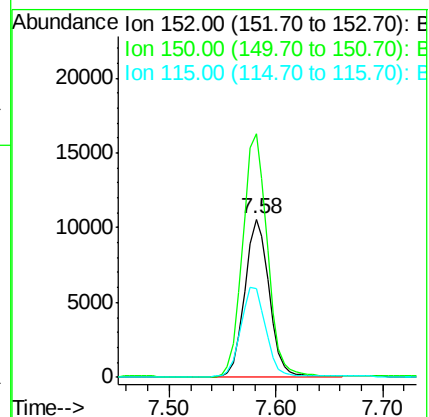
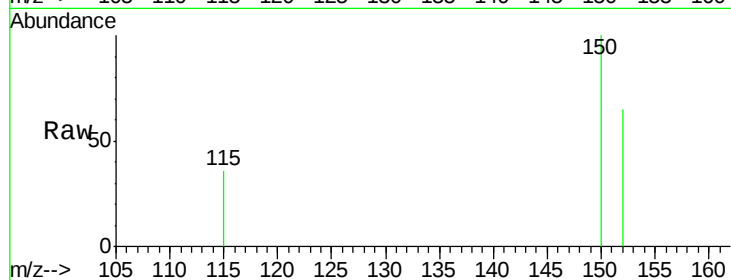
Tot Ion:152 Resp: 16676

Ion Ratio Lower Upper

152 100

150 154.1 123.3 184.9

115 55.8 45.0 67.6



#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.43 min Scan# 72

Delta R.T. 0.02 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

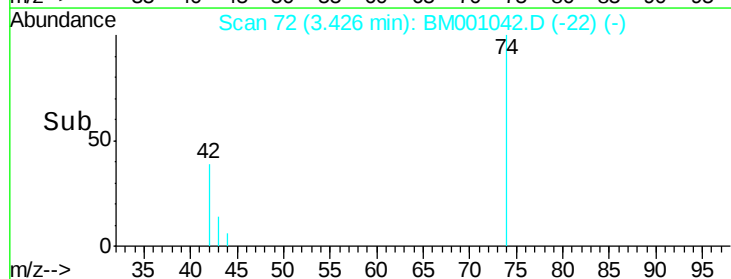
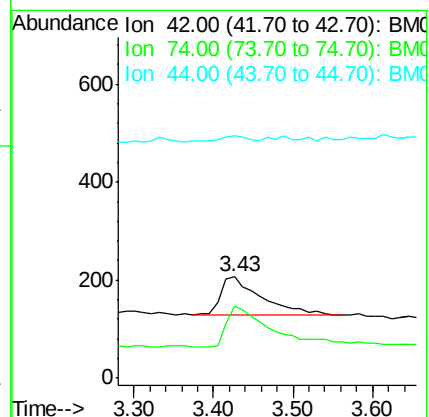
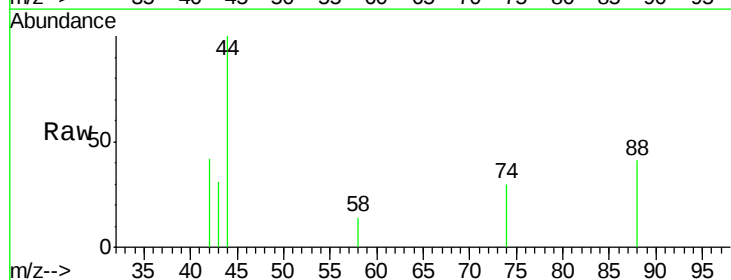
Tgt Ion: 42 Resp: 282

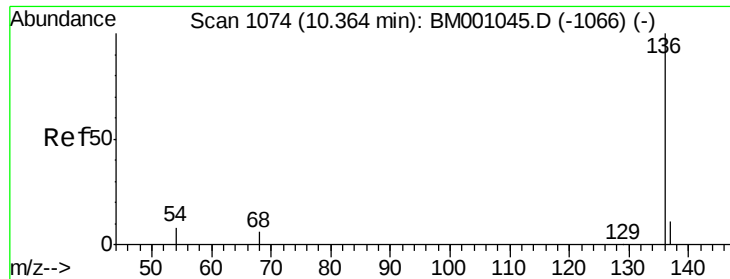
Ion Ratio Lower Upper

42 100

74 116.7 92.1 138.1

44 9.6 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: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

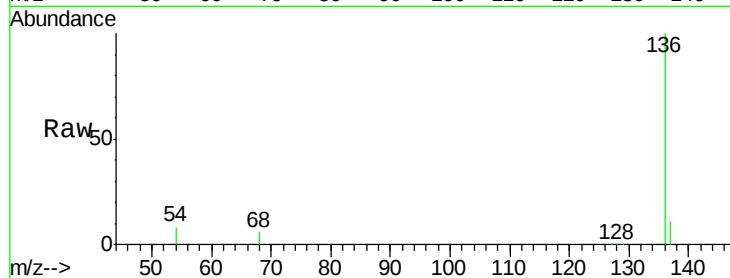
Tot Ion:136 Resp: 59174

Ion Ratio Lower Upper

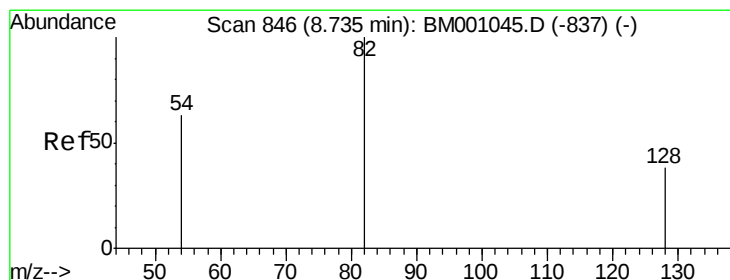
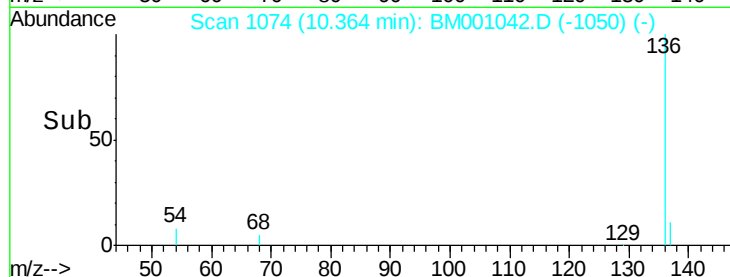
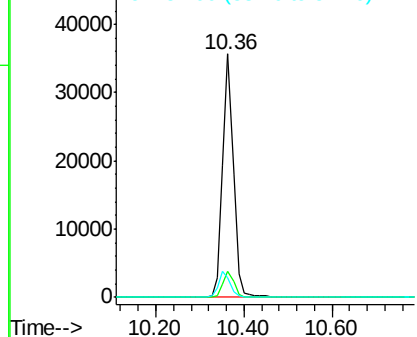
136 100

137 10.8 8.6 13.0

54 8.0 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 0.19 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

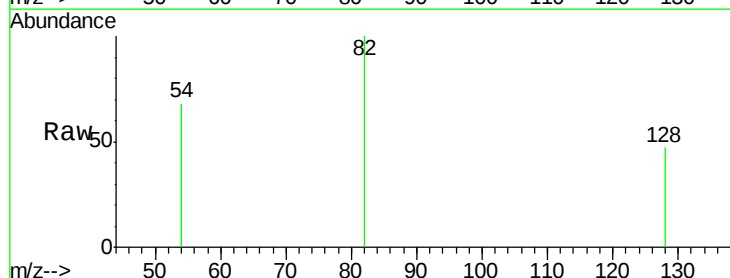
Tgt Ion: 82 Resp: 552

Ion Ratio Lower Upper

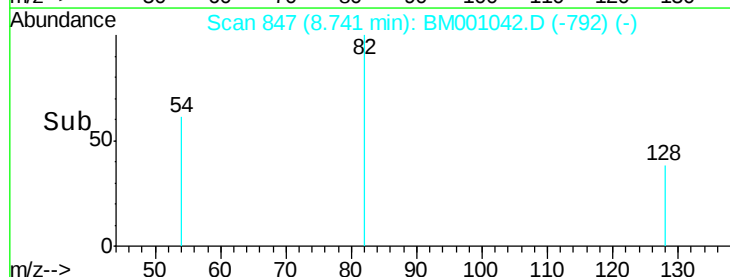
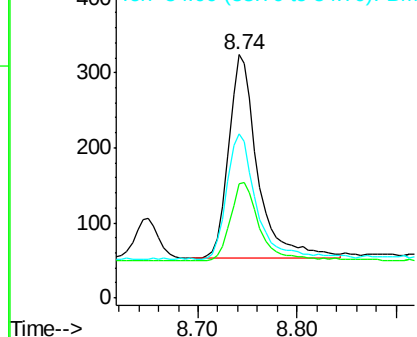
82 100

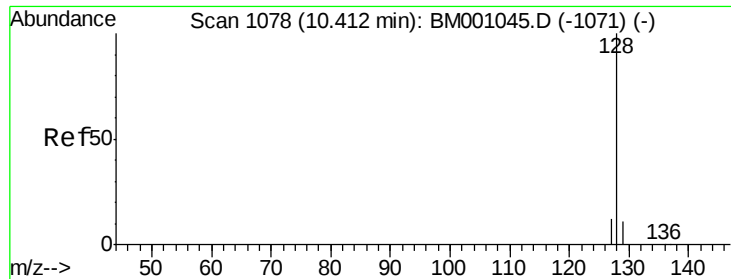
128 46.9 31.9 47.9

54 67.6 51.3 76.9



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#6

Naphthalene

Concen: 0.20 ng

RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

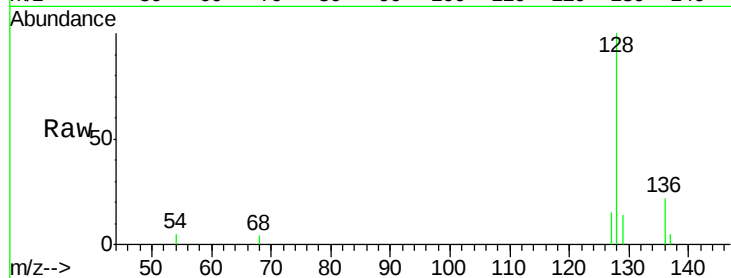
Tot Ion:128 Resp: 2778

Ion Ratio Lower Upper

128 100

129 13.7 9.3 13.9

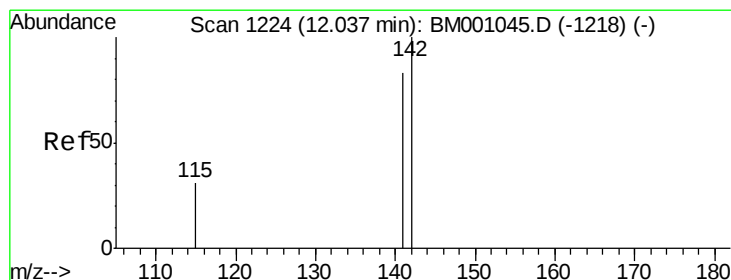
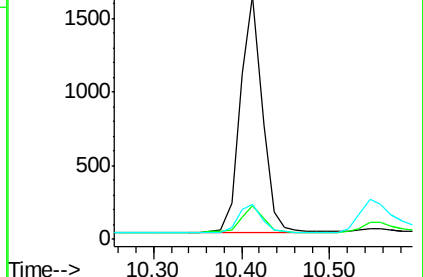
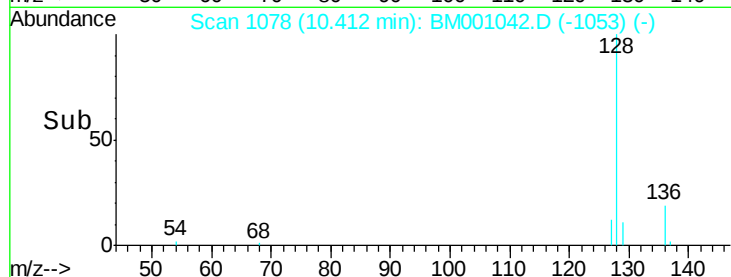
127 14.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.20 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

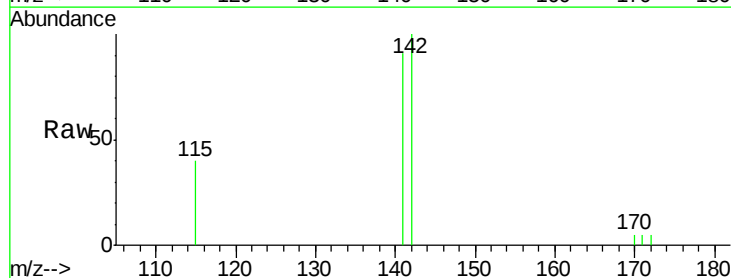
Tgt Ion:142 Resp: 1745

Ion Ratio Lower Upper

142 100

141 90.6 66.7 100.1

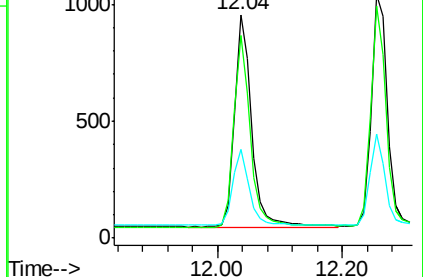
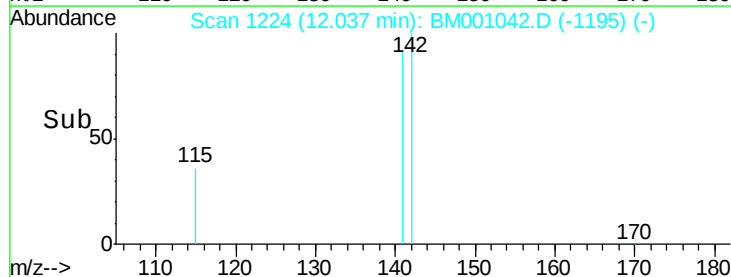
115 39.7 25.5 38.3#

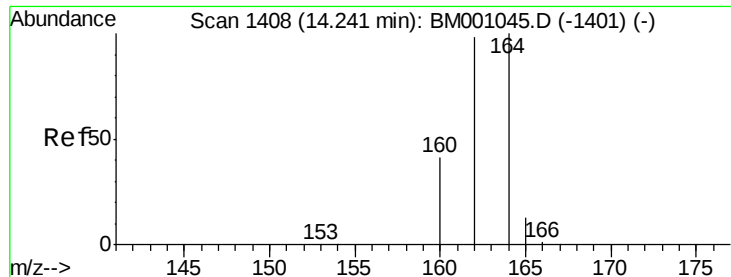


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

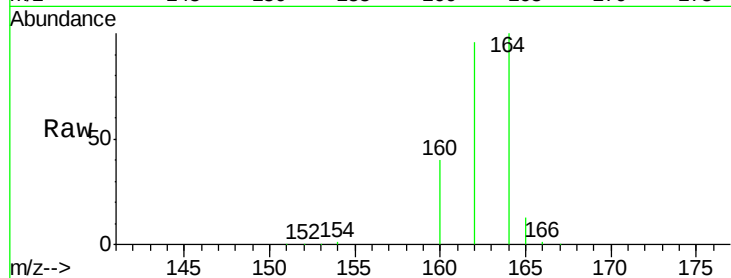
Tot Ion:164 Resp: 30693

Ion Ratio Lower Upper

164 100

162 96.4 78.5 117.7

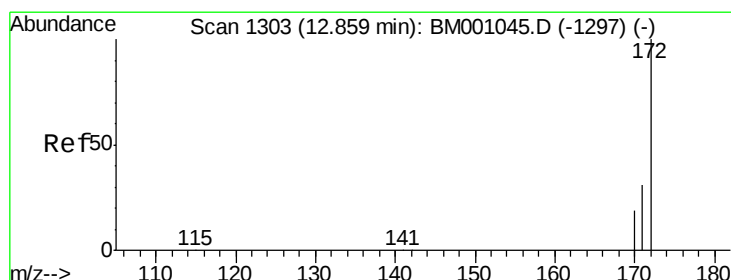
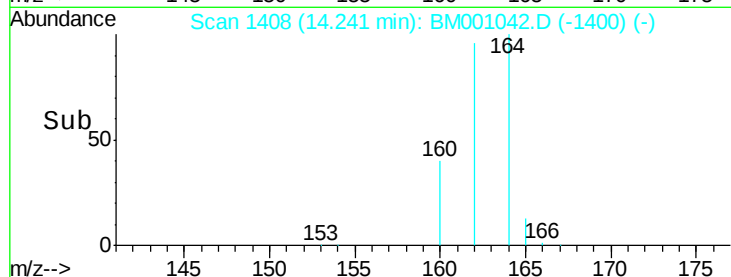
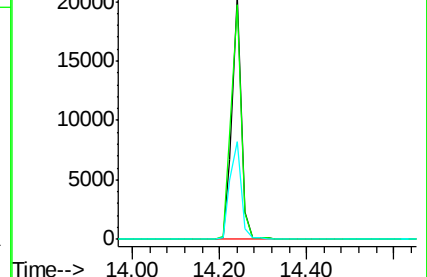
160 40.2 32.9 49.3



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: 0.21 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

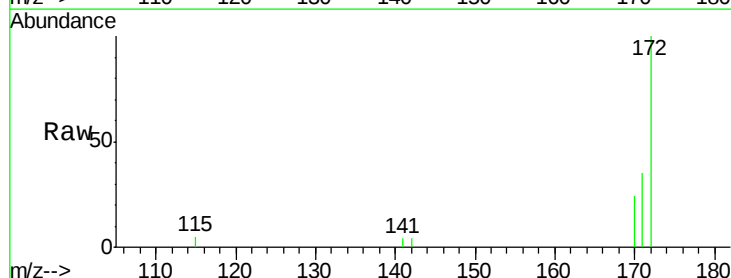
Tgt Ion:172 Resp: 1995

Ion Ratio Lower Upper

172 100

171 35.5 25.6 38.4

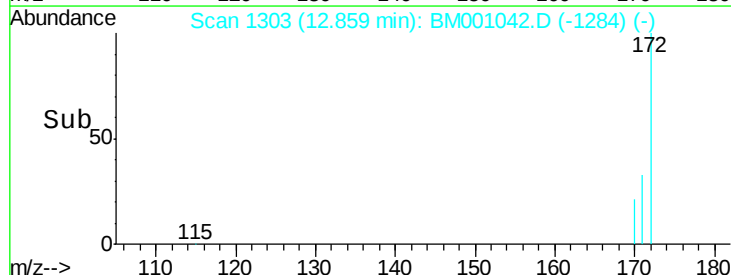
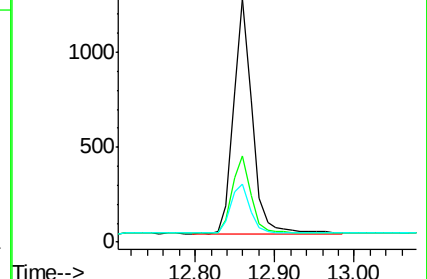
170 23.9 15.8 23.6#

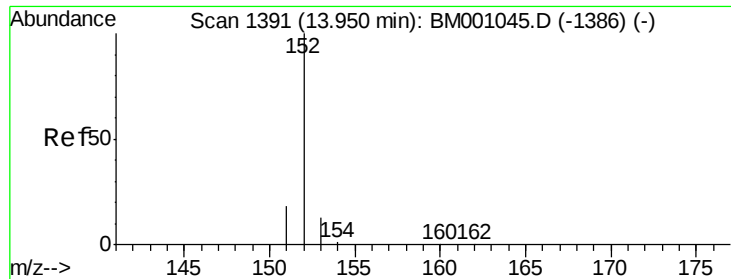


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthylene

Concen: 0.18 ng

RT: 13.95 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

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ClientSampleId :

SSTDIC0.2

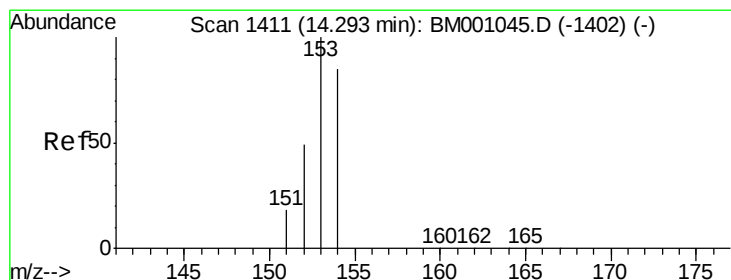
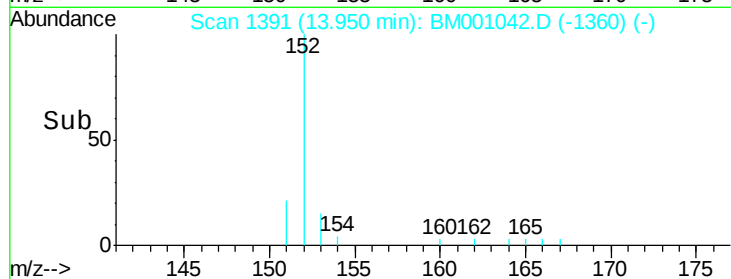
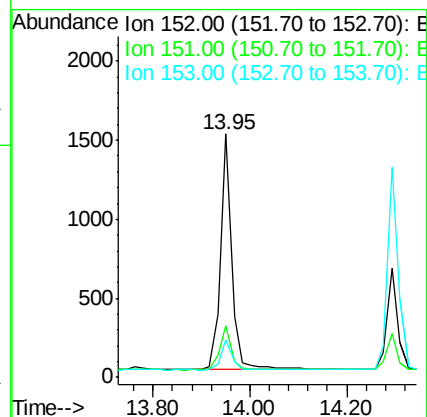
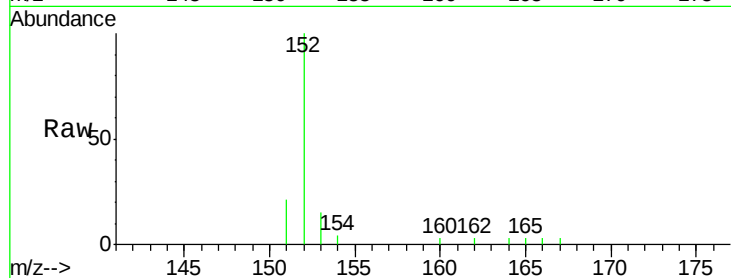
Tot Ion:152 Resp: 2425

Ion Ratio Lower Upper

152 100

151 18.8 14.7 22.1

153 12.6 10.2 15.2



#11

Acenaphthene

Concen: 0.20 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

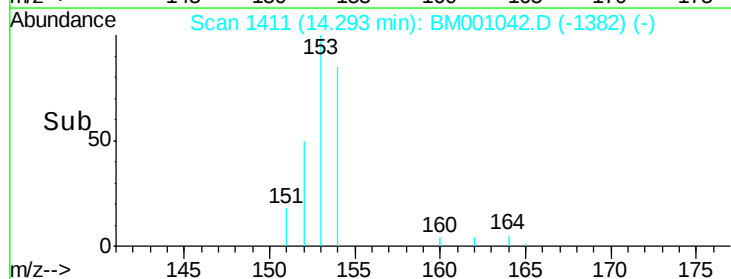
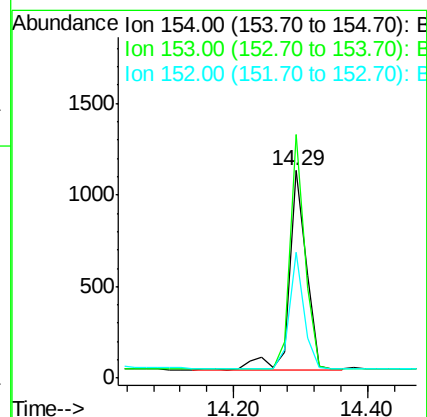
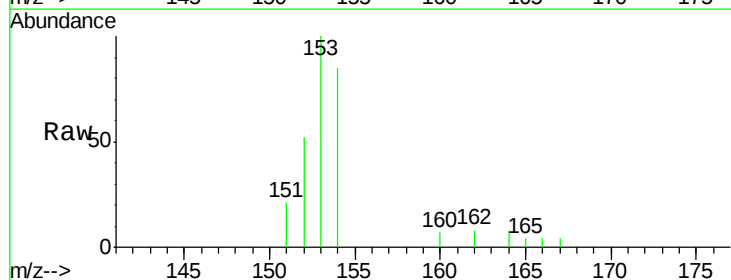
Tgt Ion:154 Resp: 1902

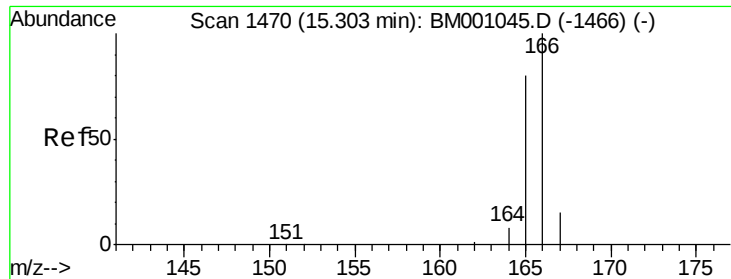
Ion Ratio Lower Upper

154 100

153 103.7 88.1 132.1

152 50.9 42.3 63.5

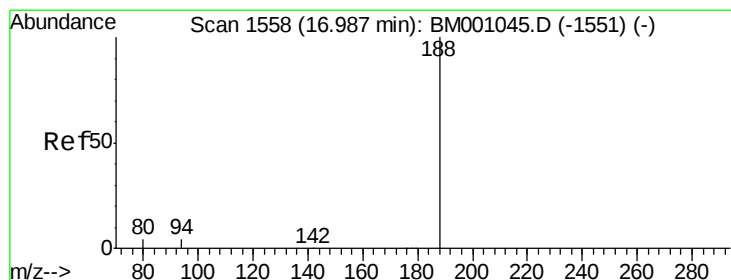
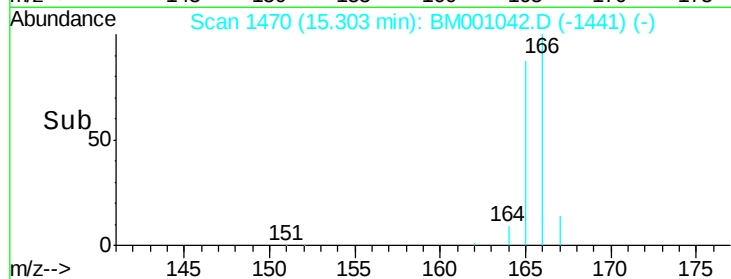
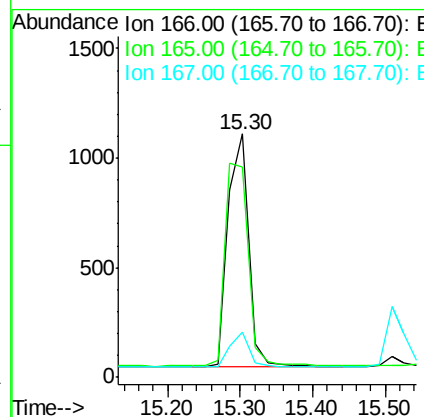
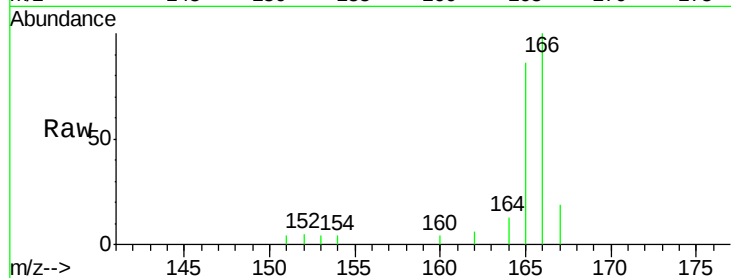




#12
Fluorene
 Concen: 0.20 ng
 RT: 15.30 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

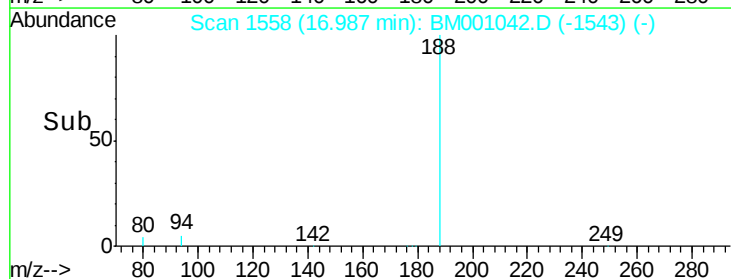
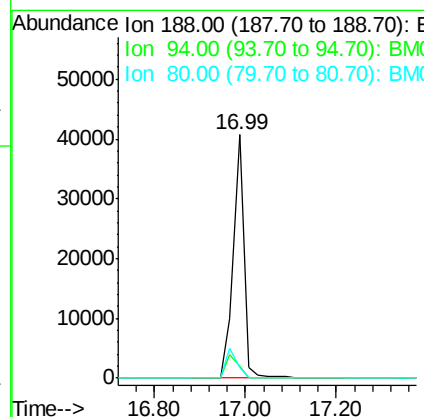
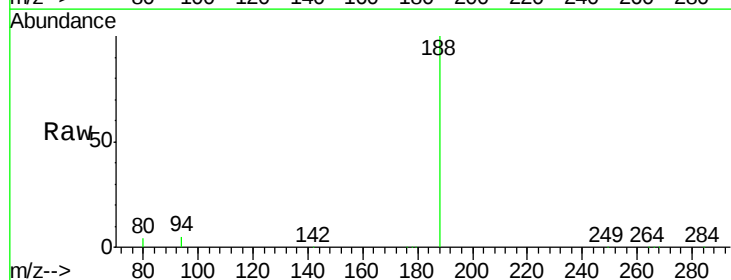
Instrument :
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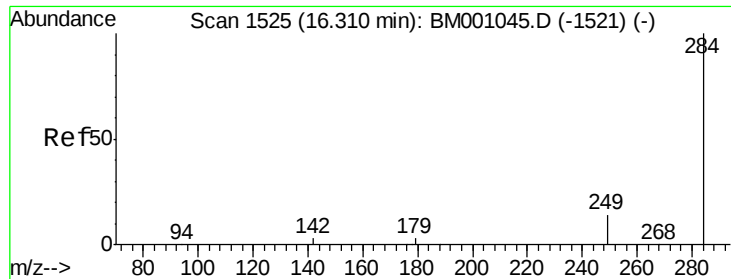
Tot Ion:166 Resp: 2100
 Ion Ratio Lower Upper
 166 100
 165 98.6 77.6 116.4
 167 13.8 10.6 16.0



#13
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.99 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BM001042.D
 Acq: 17 Apr 2015 22:44

Tgt Ion:188 Resp: 66039
 Ion Ratio Lower Upper
 188 100
 94 4.9 3.6 5.4
 80 4.4 3.0 4.6

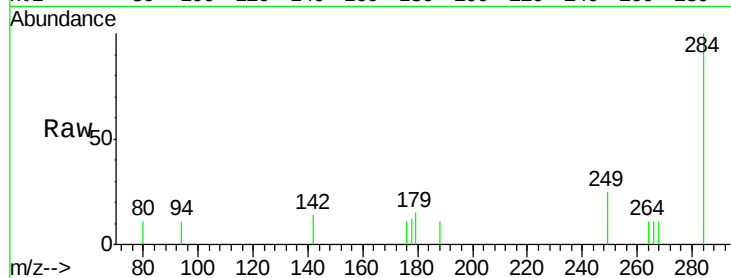




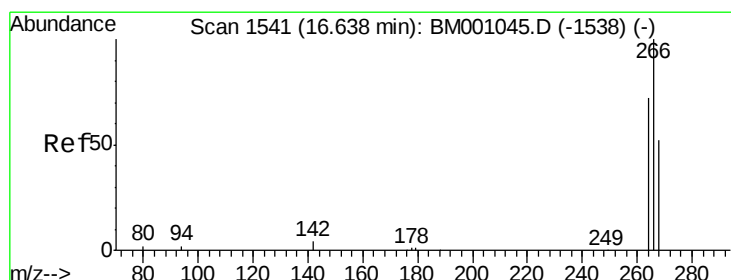
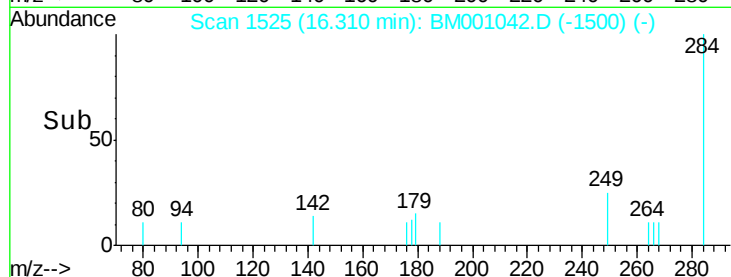
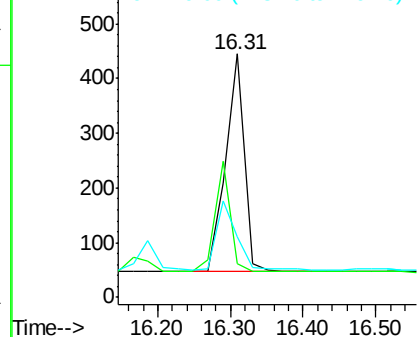
#14
Hexachlorobenzene
Concen: 0.19 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion:284 Resp: 710
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

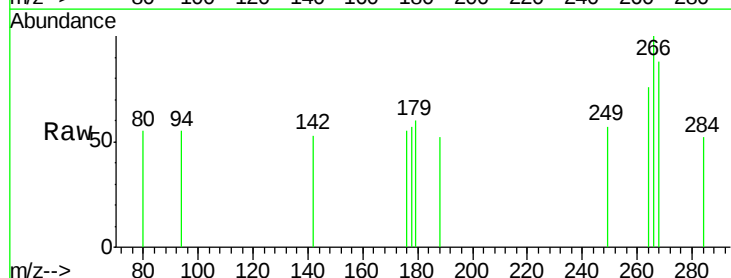


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

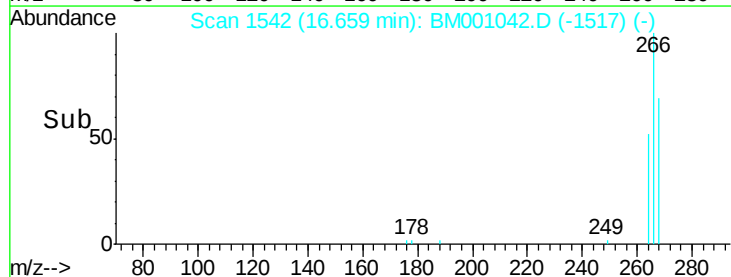
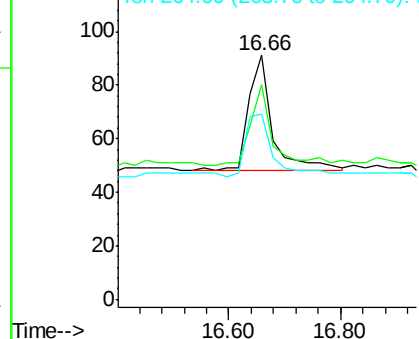


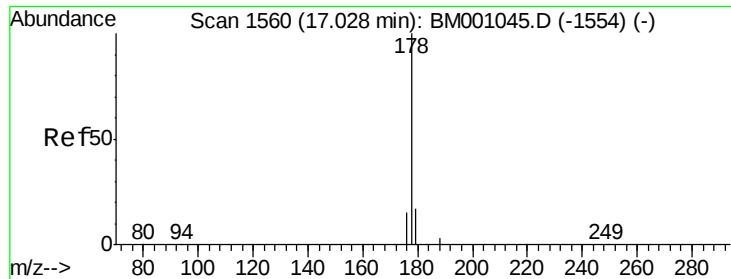
#15
Pentachlorophenol
Concen: 0.13 ng
RT: 16.66 min Scan# 1542
Delta R.T. 0.02 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion:266 Resp: 128
Ion Ratio Lower Upper
266 100
268 87.9 46.3 69.5#
264 75.8 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: 0.19 ng

RT: 17.03 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

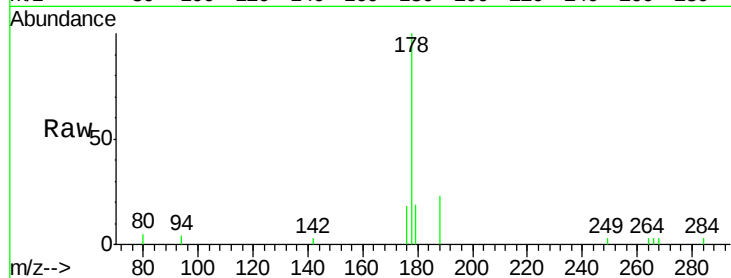
Tot Ion:178 Resp: 3394

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

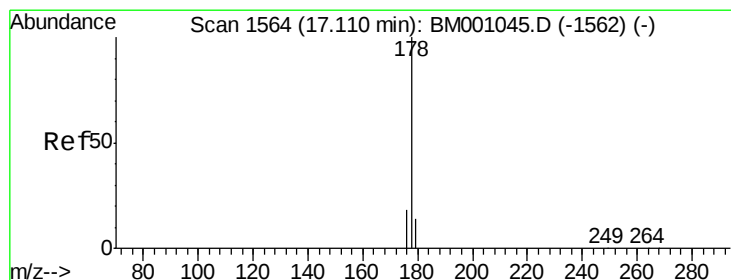
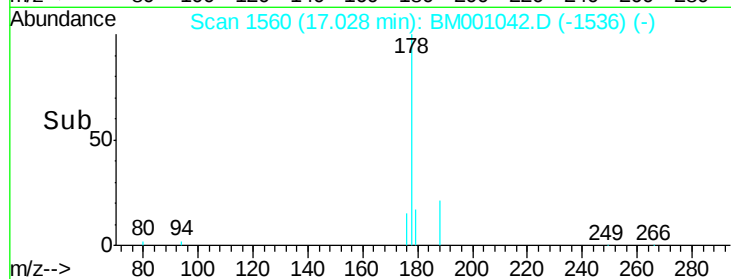
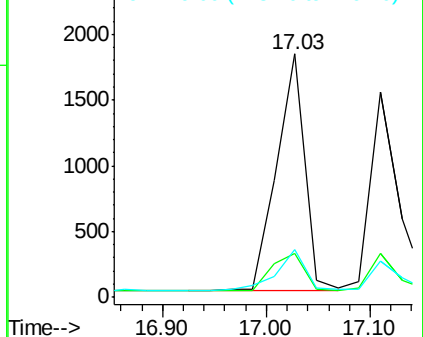
179 16.9 12.6 19.0



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: 0.19 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

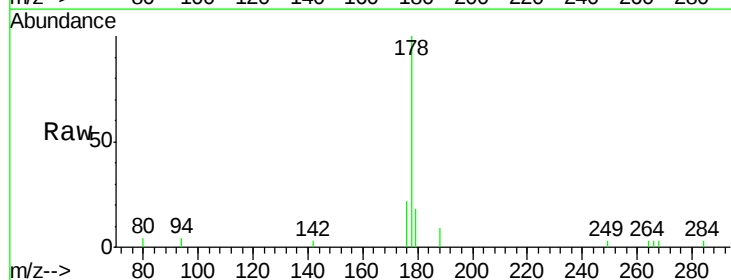
Tgt Ion:178 Resp: 2962

Ion Ratio Lower Upper

178 100

176 17.3 14.3 21.5

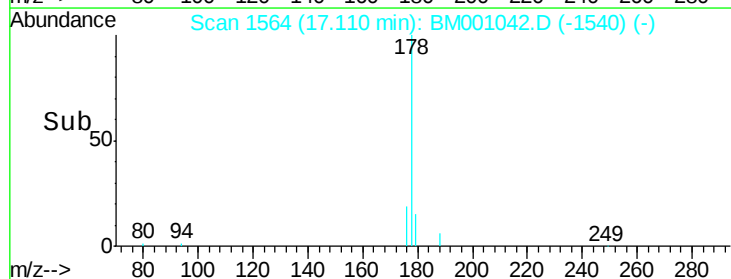
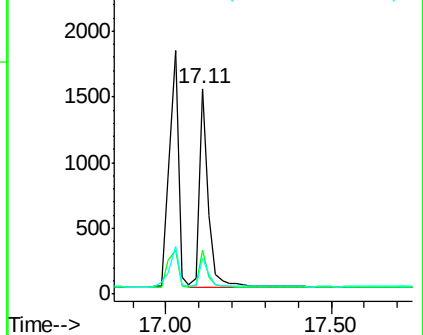
179 15.7 11.8 17.8

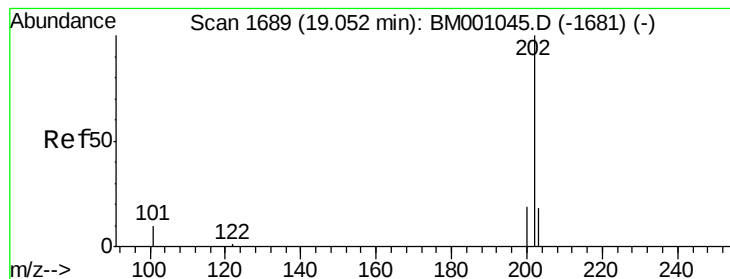


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 0.19 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

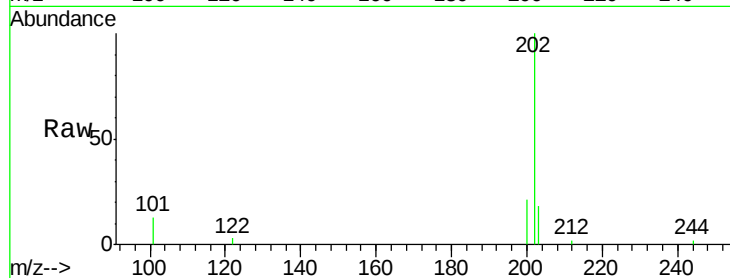
Tot Ion:202 Resp: 3408

Ion Ratio Lower Upper

202 100

101 12.5 10.1 15.1

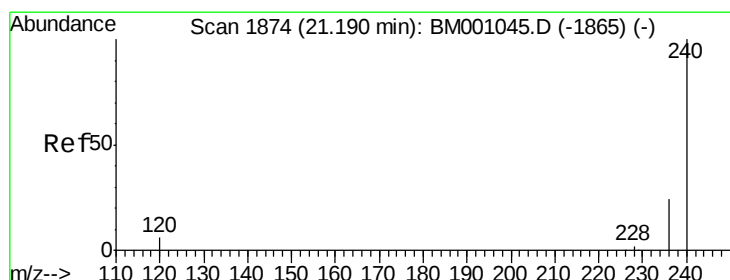
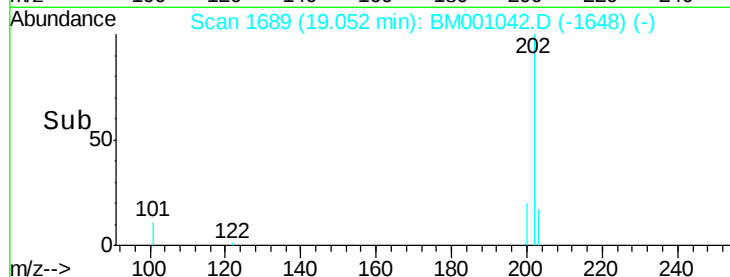
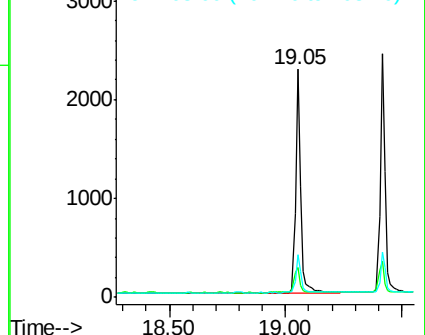
203 17.5 13.8 20.8



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: BM001042.D

Acq: 17 Apr 2015 22:44

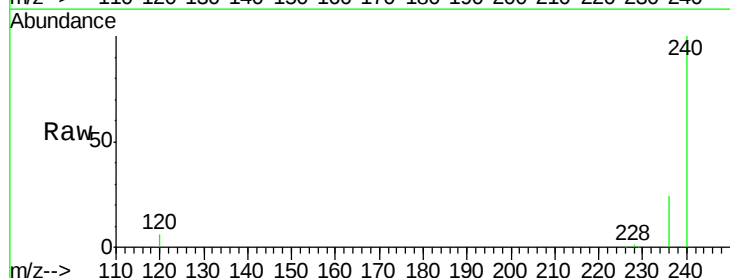
Tgt Ion:240 Resp: 55390

Ion Ratio Lower Upper

240 100

120 6.2 4.6 6.8

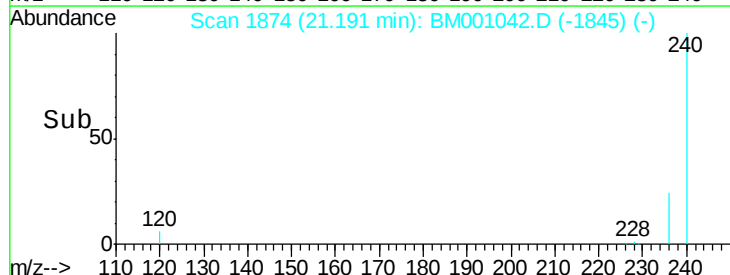
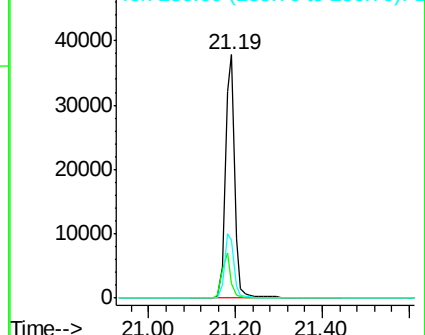
236 24.0 19.1 28.7

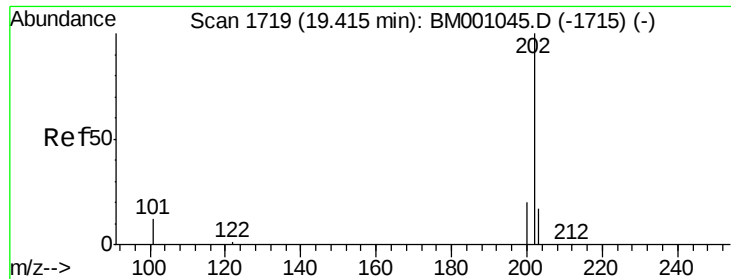


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#20

Pvrene

Concen: 0.20 ng

RT: 19.42 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

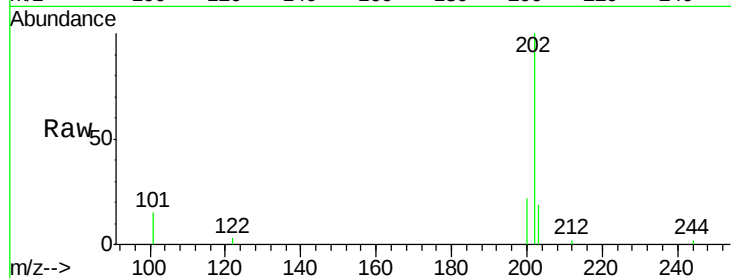
Tot Ion:202 Resp: 3534

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

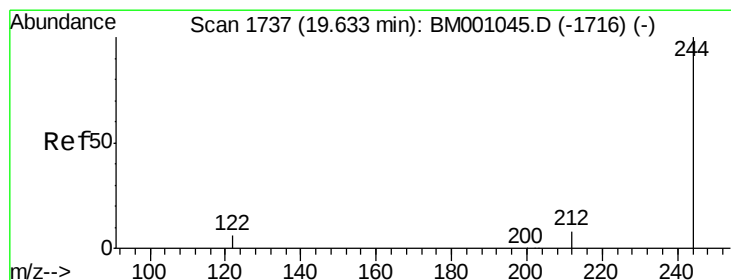
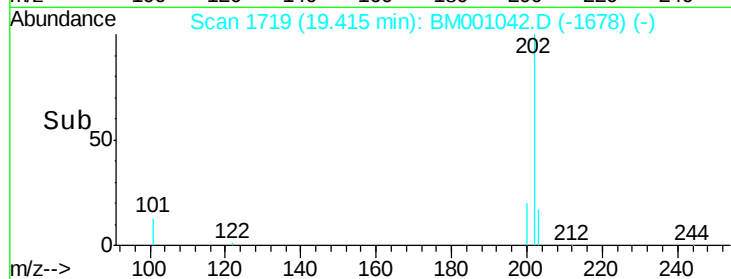
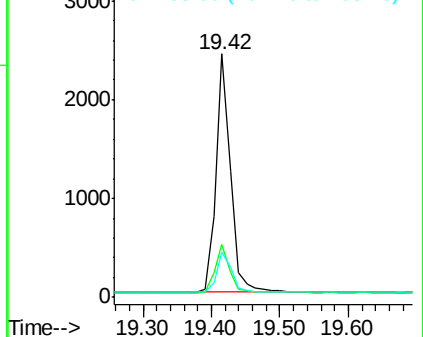
203 17.6 13.8 20.6



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: 0.21 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

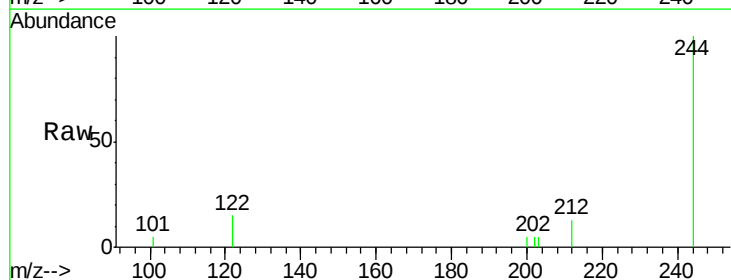
Tgt Ion:244 Resp: 1401

Ion Ratio Lower Upper

244 100

212 12.5 7.1 10.7#

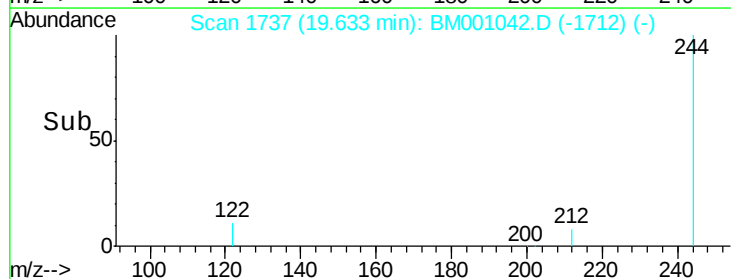
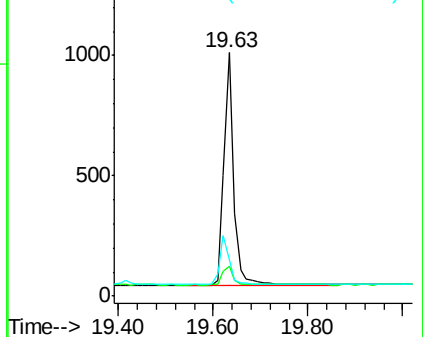
122 14.9 5.9 8.9#

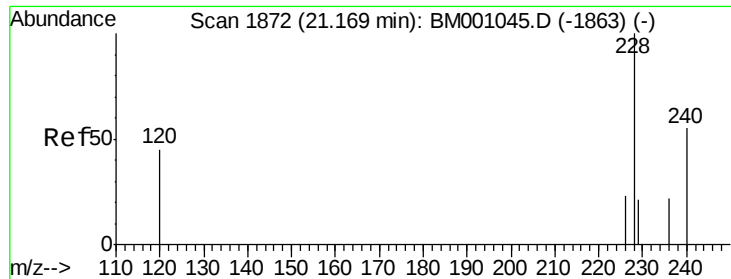


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.19 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2

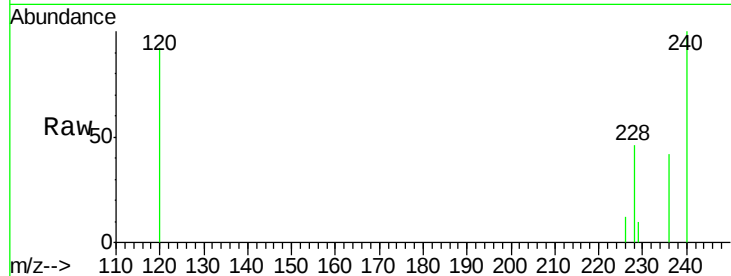
Tot Ion:228 Resp: 3063

Ion Ratio Lower Upper

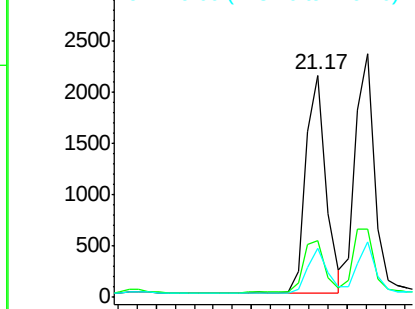
228 100

226 25.3 19.0 28.6

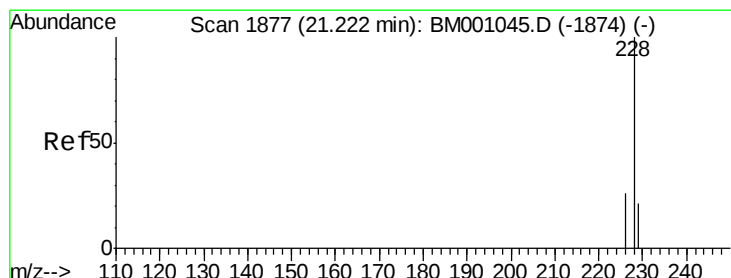
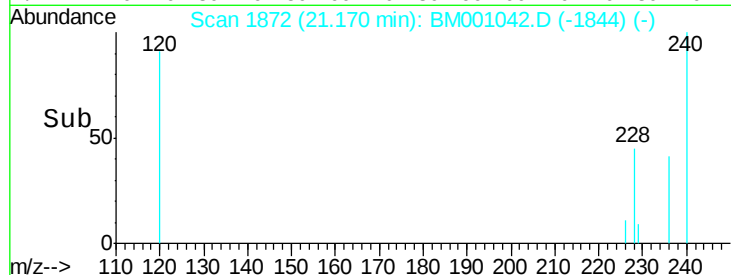
229 22.3 16.8 25.2



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



Time-->



#23

Chrysene

Concen: 0.21 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

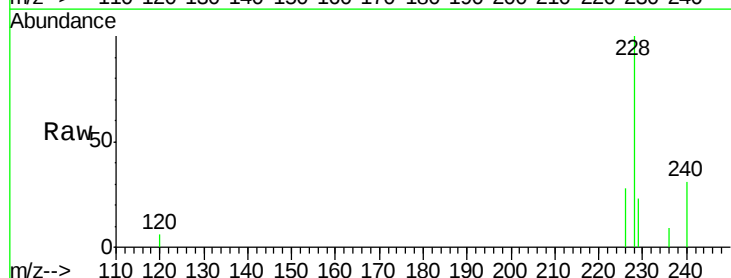
Tgt Ion:228 Resp: 3398

Ion Ratio Lower Upper

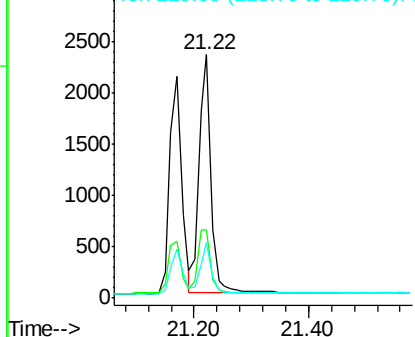
228 100

226 28.1 20.6 31.0

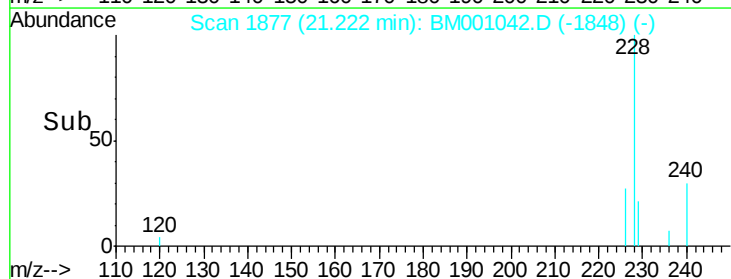
229 22.9 17.2 25.8

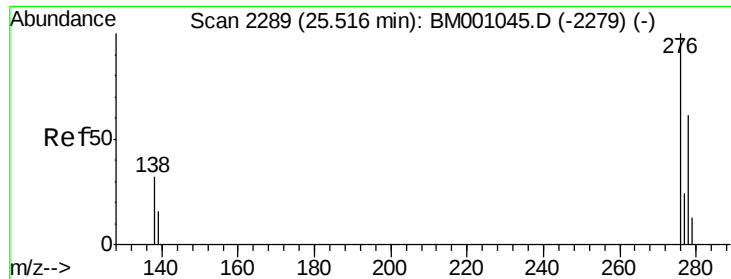


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->

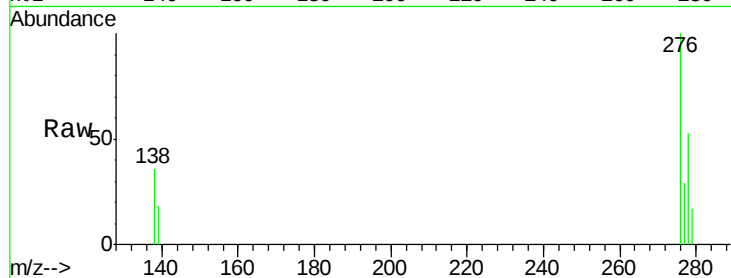




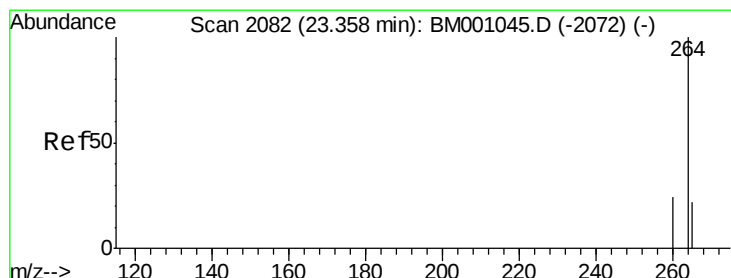
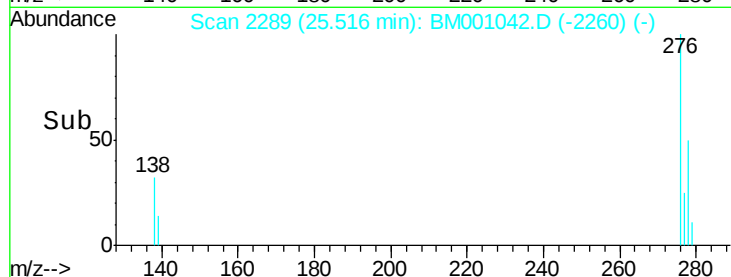
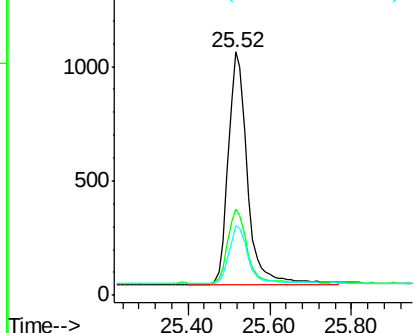
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion:276 Resp: 3343
Ion Ratio Lower Upper
276 100
138 32.4 26.3 39.5
277 24.7 19.5 29.3

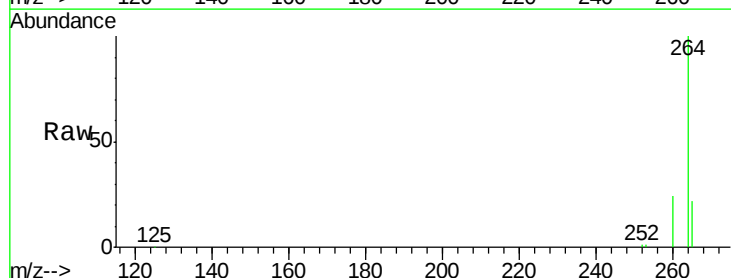


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

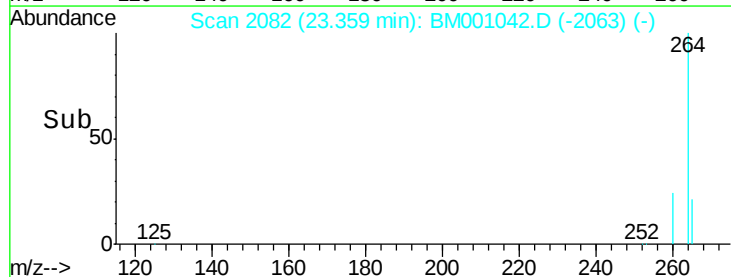
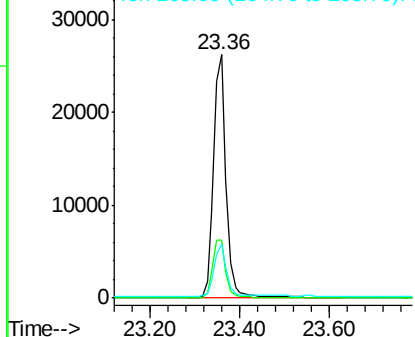


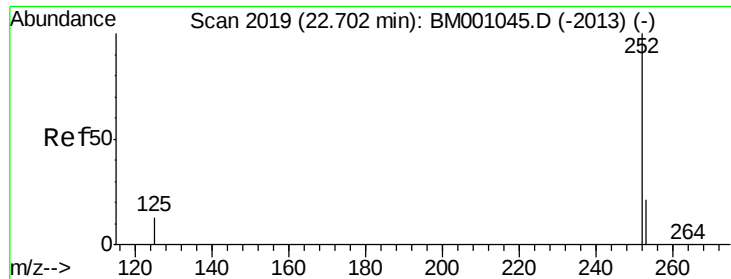
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion:264 Resp: 50636
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.3 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

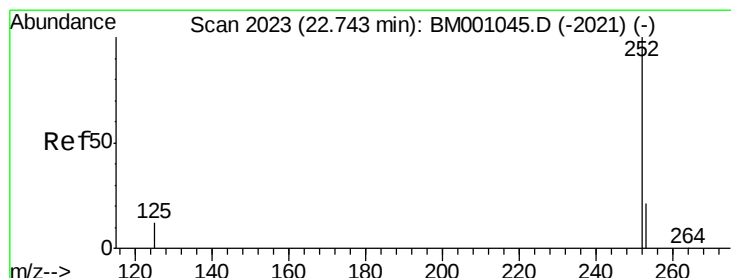
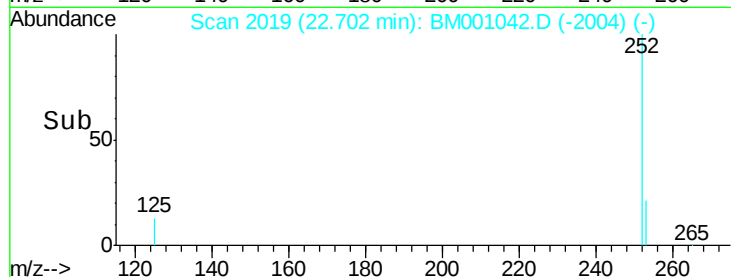
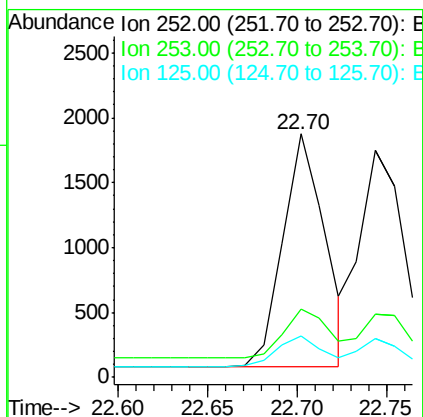
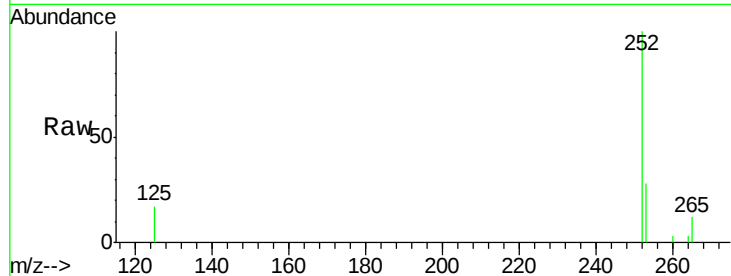




#26
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.70 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

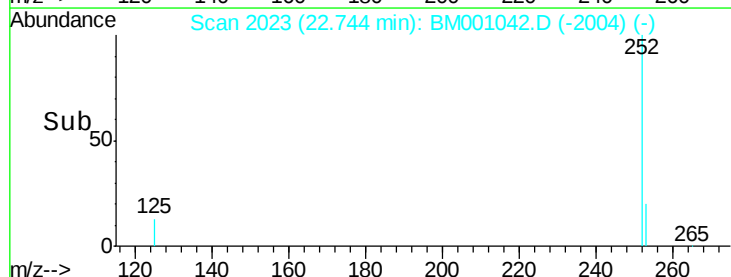
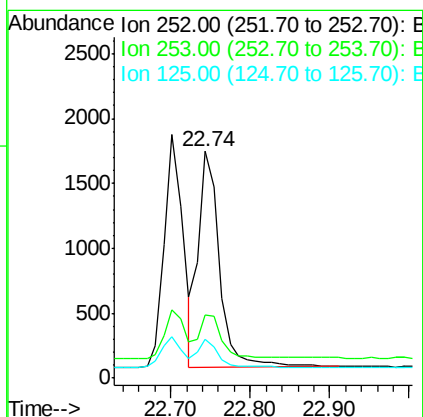
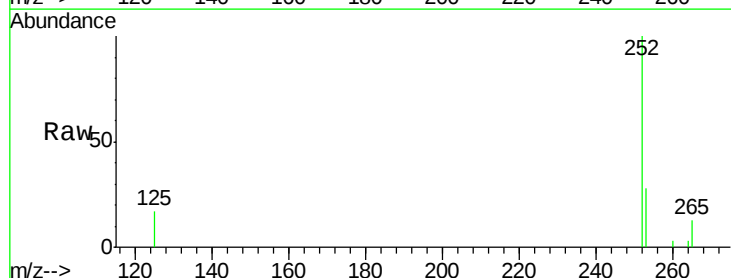
Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

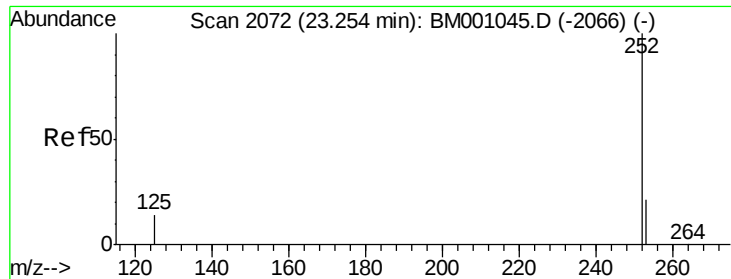
Tot Ion:252 Resp: 2957
Ion Ratio Lower Upper
252 100
253 28.0 18.2 27.2#
125 17.0 10.9 16.3#



#27
Benzo(k)fluoranthene
Concen: 0.20 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001042.D
Acq: 17 Apr 2015 22:44

Tgt Ion:252 Resp: 3047
Ion Ratio Lower Upper
252 100
253 27.9 18.3 27.5#
125 17.3 10.6 15.8#





#28

Benzo(a)pyrene

Concen: 0.19 ng

RT: 23.25 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

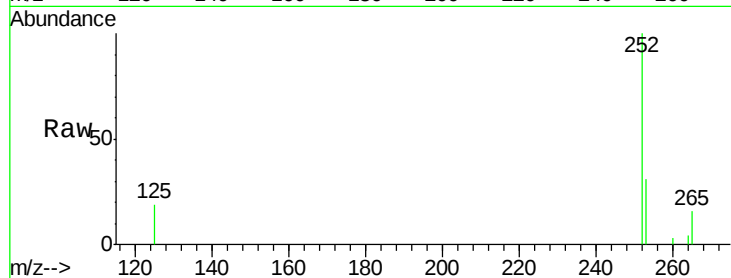
Tot Ion:252 Resp: 2578

Ion Ratio Lower Upper

252 100

253 30.9 18.6 27.8#

125 19.4 11.9 17.9#

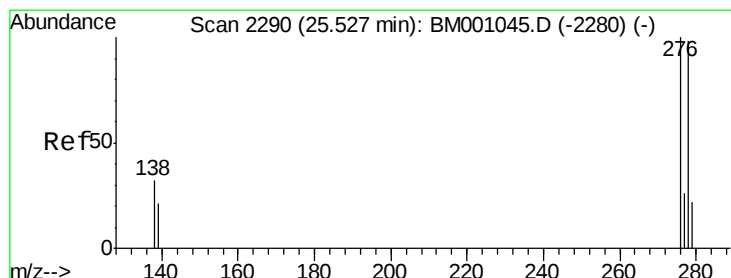
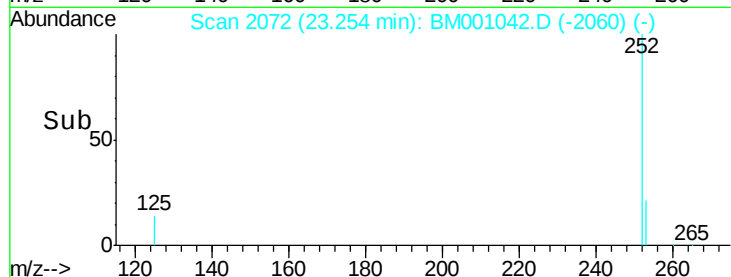
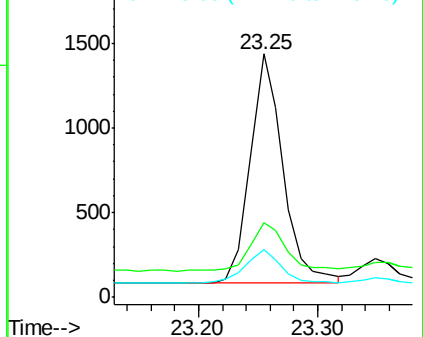


Abundance

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: 0.19 ng

RT: 25.54 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BM001042.D

Acq: 17 Apr 2015 22:44

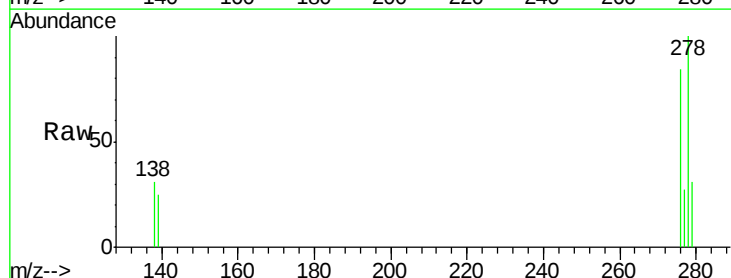
Tgt Ion:278 Resp: 2574

Ion Ratio Lower Upper

278 100

139 25.0 18.2 27.2

279 30.7 19.1 28.7#

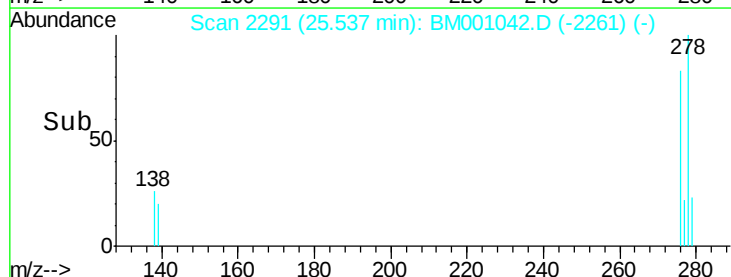
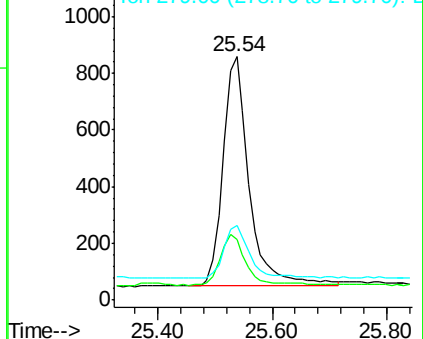


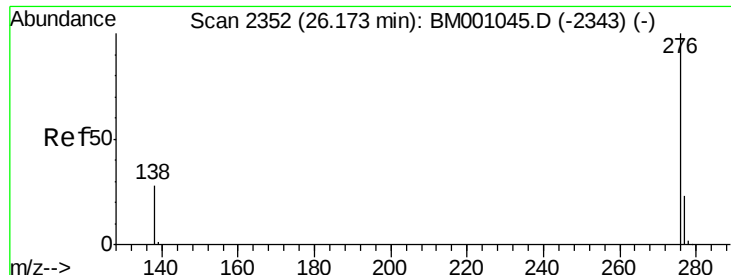
Abundance

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: 0.20 ng

RT: 26.18 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BM001042.D

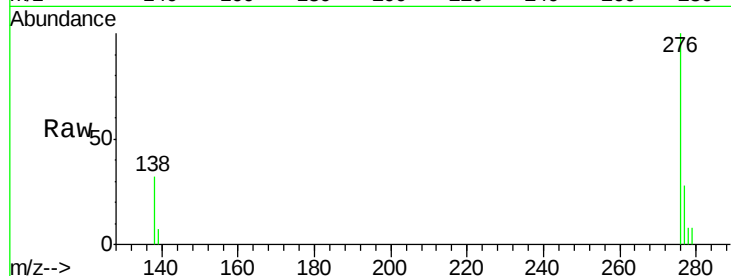
Acq: 17 Apr 2015 22:44

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2



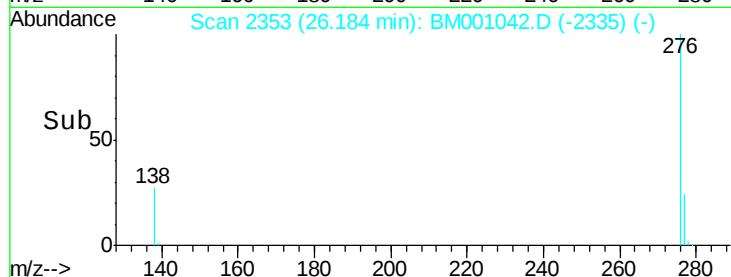
Tot Ion: 276 Resp: 2895

Ion Ratio Lower Upper

276 100

277 28.2 19.0 28.4

138 31.5 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

