

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001047.D
 Acq On : 18 Apr 2015 01:43
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 18 05:59:55 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

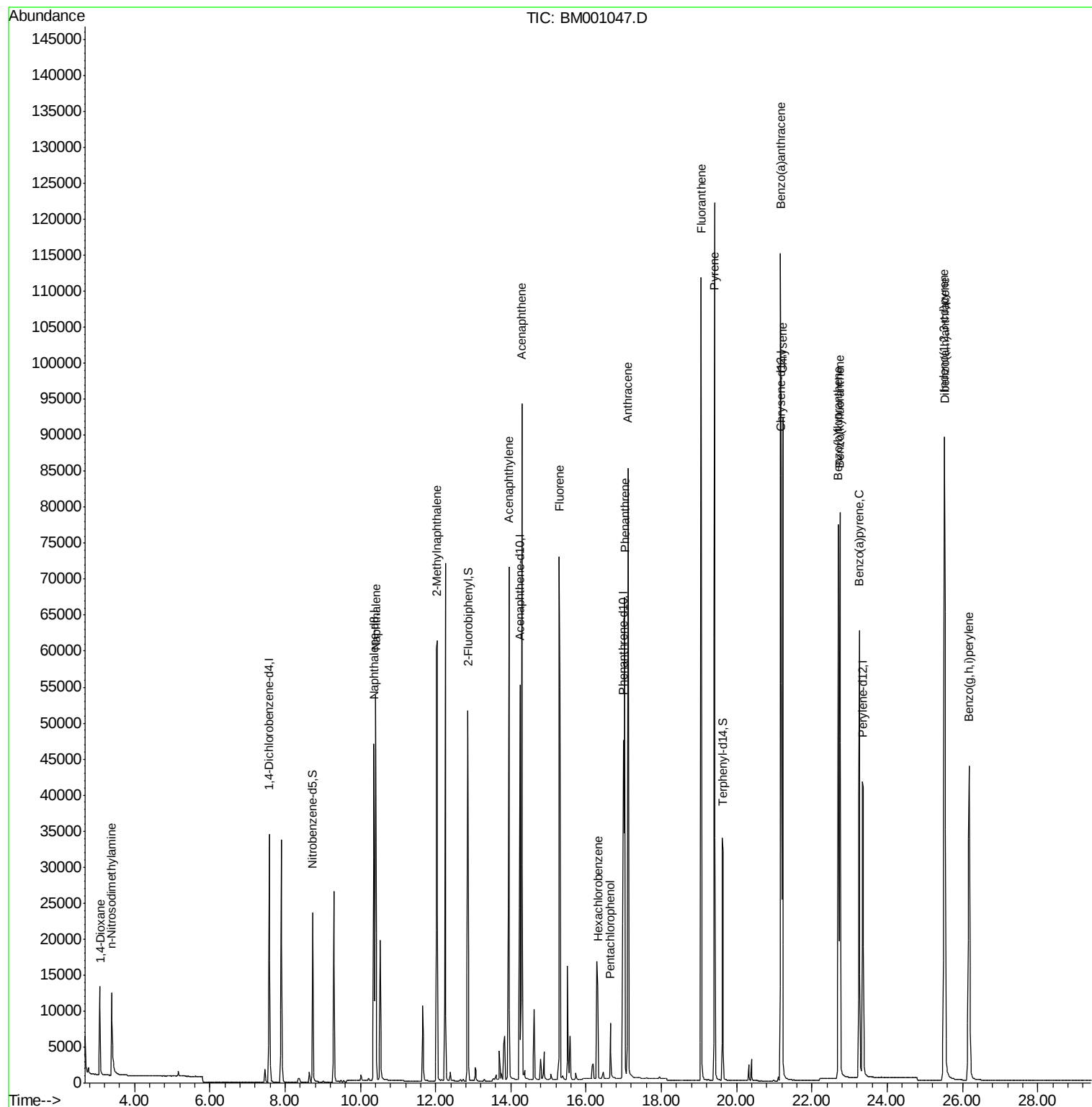
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	17147	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	61696	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	32509	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	69248	5.00	ng	0.00
19) Chrysene-d12	21.18	240	62947	5.00	ng	-0.01
25) Perylene-d12	23.35	264	55677	5.00	ng	-0.01
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	18718	6.07	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	53705	5.31	ng	0.00
21) Terphenyl-d14	19.63	244	42382	5.54	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	7809	5.38	ng	# 100
3) n-Nitrosodimethylamine	3.39	42	10025	6.24	ng	94
6) Naphthalene	10.41	128	73562	5.14	ng	99
7) 2-Methylnaphthalene	12.04	142	49028	5.39	ng	97
10) Acenaphthylene	13.95	152	83164	5.77	ng	99
11) Acenaphthene	14.29	154	49474	4.97	ng	100
12) Fluorene	15.29	166	59990	5.35	ng	100
14) Hexachlorobenzene	16.31	284	19567	4.89	ng	# 100
15) Pentachlorophenol	16.64	266	6806	6.73	ng	96
16) Phenanthrene	17.03	178	92683	4.93	ng	100
17) Anthracene	17.11	178	95013	5.93	ng	100
18) Fluoranthene	19.05	202	103016	5.48	ng	100
20) Pyrene	19.42	202	107394	5.23	ng	100
22) Benzo(a)anthracene	21.17	228	96142	5.34	ng	99
23) Chrysene	21.22	228	93524	4.98	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	101448	5.20	ng	99
26) Benzo(b)fluoranthene	22.70	252	94087	5.36	ng	98
27) Benzo(k)fluoranthene	22.74	252	89210	5.31	ng	98
28) Benzo(a)pyrene	23.25	252	83793	5.55	ng	97
29) Dibenzo(a,h)anthracene	25.53	278	80331	5.40	ng	98
30) Benzo(g,h,i)perylene	26.17	276	83591	5.22	ng	99

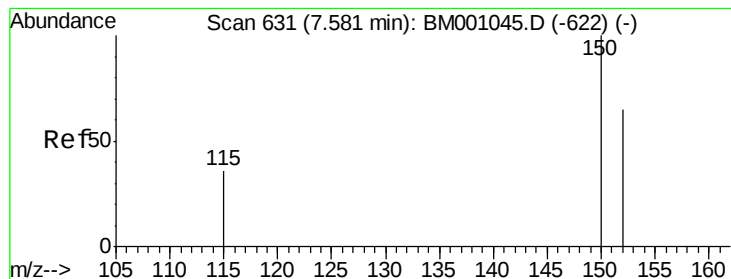
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

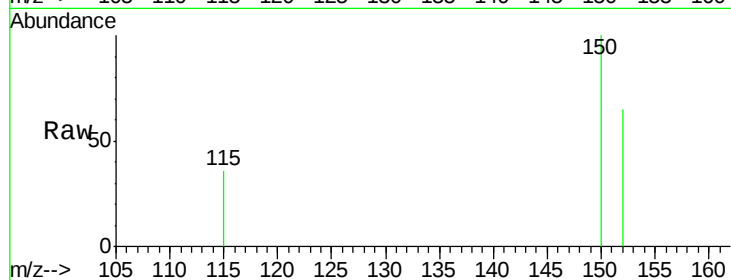
Tot Ion:152 Resp: 17147

Ion Ratio Lower Upper

152 100

150 152.9 123.3 184.9

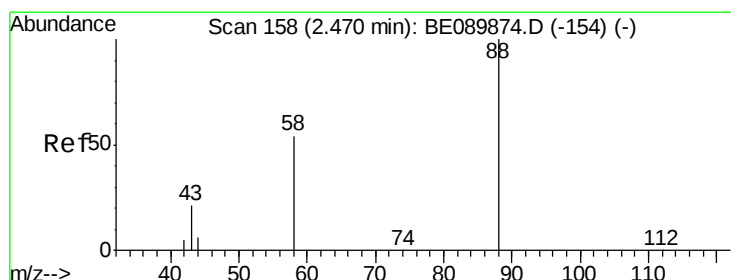
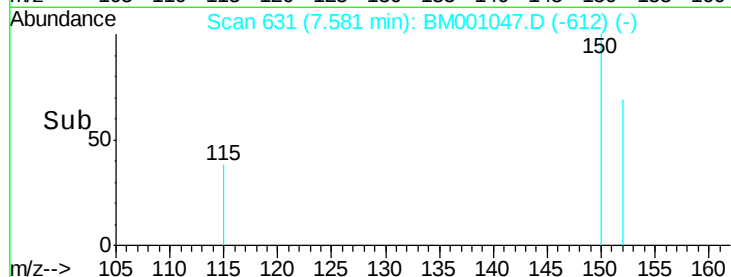
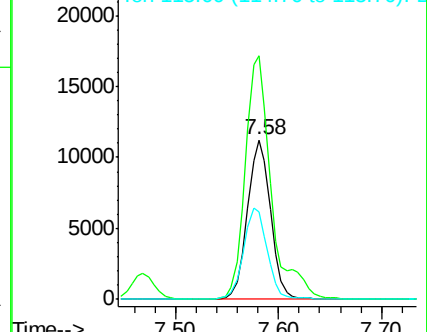
115 55.0 45.0 67.6



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: 5.38 ng

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

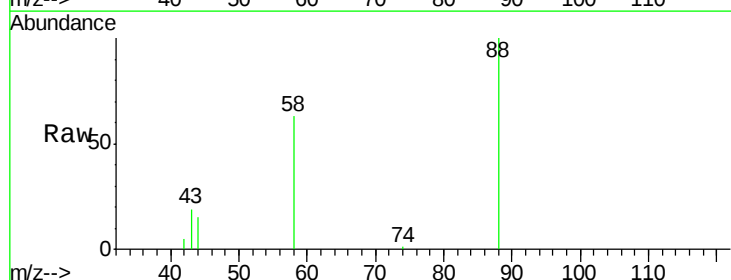
Tgt Ion: 88 Resp: 7809

Ion Ratio Lower Upper

88 100

58 85.2 0.0 0.0#

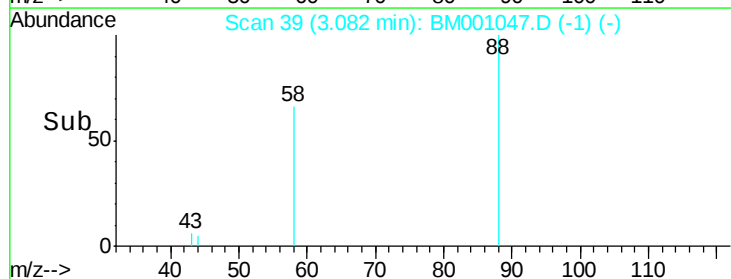
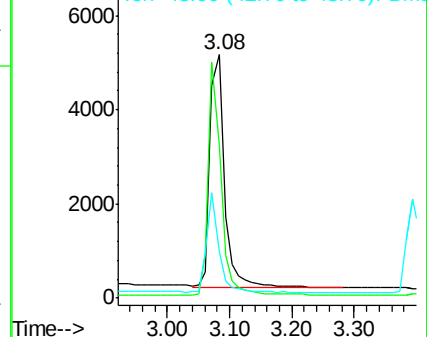
43 34.1 0.0 0.0#

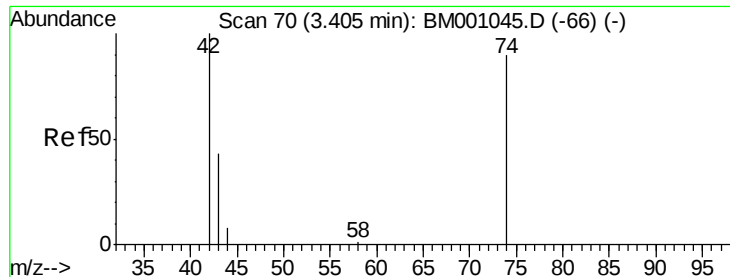


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 6.24 ng

RT: 3.39 min Scan# 69

Delta R.T. -0.01 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

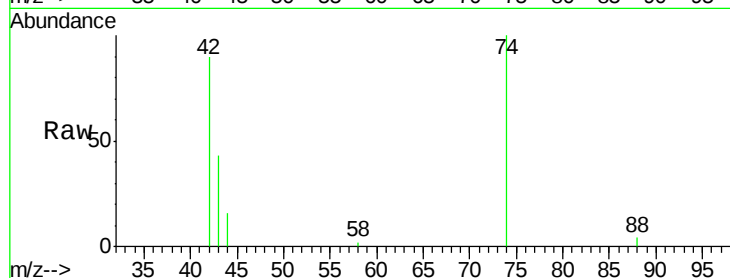
Tot Ion: 42 Resp: 10025

Ion Ratio Lower Upper

42 100

74 108.9 92.1 138.1

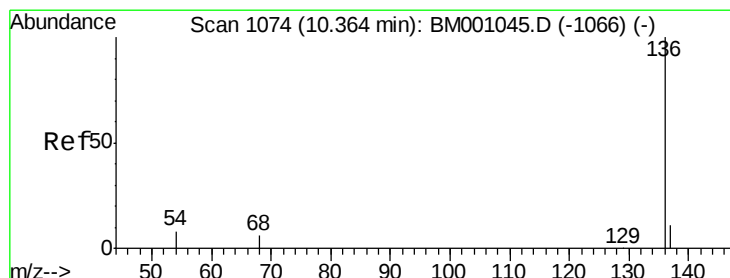
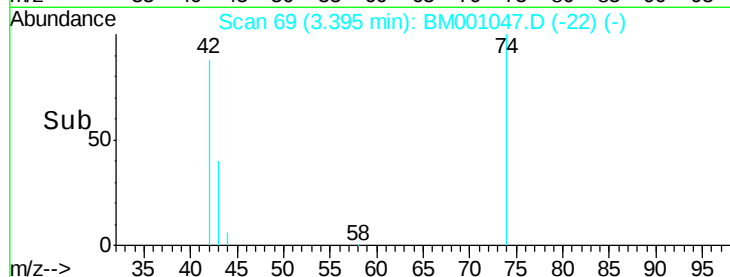
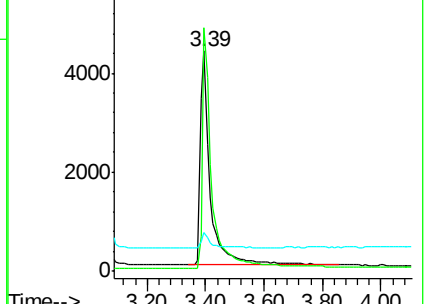
44 6.1 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM001047.D (-66) (-)

Ion 74.00 (73.70 to 74.70): BM001047.D (-66) (-)

Ion 44.00 (43.70 to 44.70): BM001047.D (-66) (-)



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

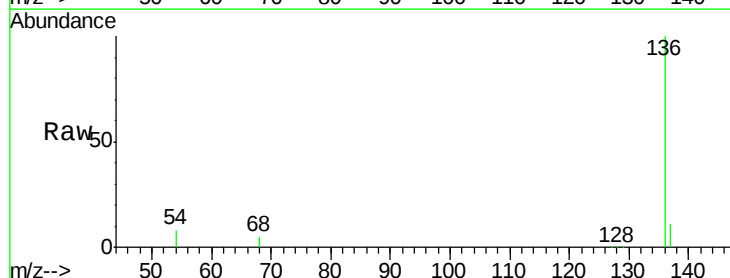
Tgt Ion: 136 Resp: 61696

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

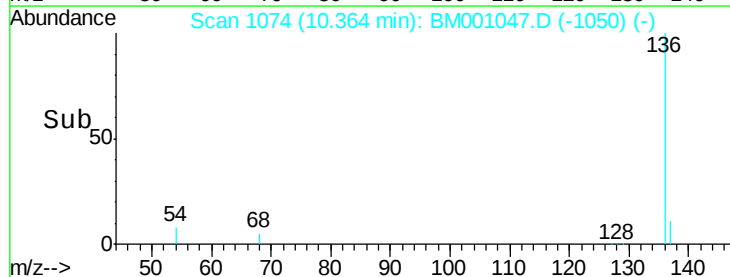
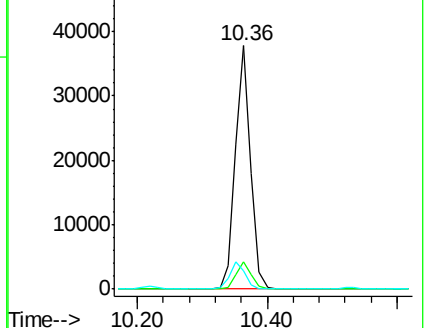
54 7.7 6.5 9.7

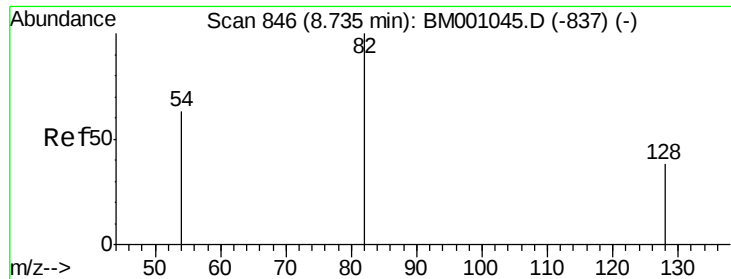


Abundance Ion 136.00 (135.70 to 136.70): BM001047.D (-1066) (-)

Ion 137.00 (136.70 to 137.70): BM001047.D (-1066) (-)

Ion 54.00 (53.70 to 54.70): BM001047.D (-1066) (-)

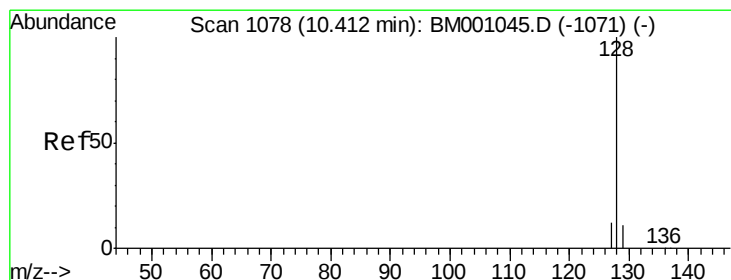
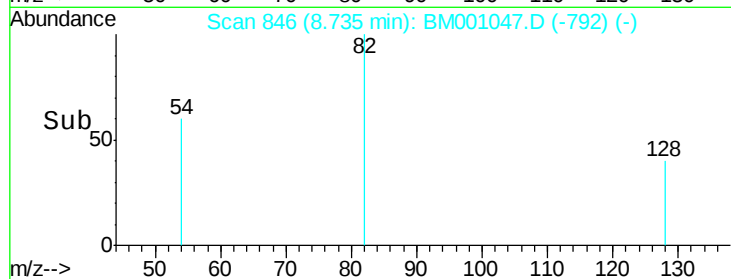
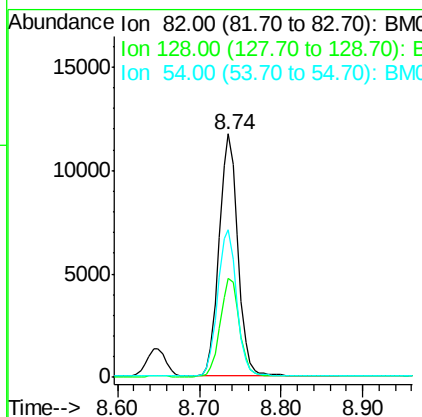
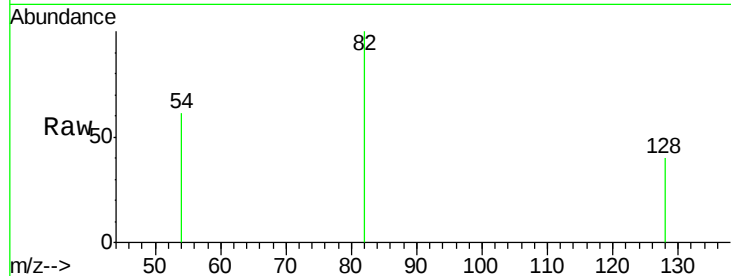




#5
 Nitrobenzene-d5
 Concen: 6.07 ng
 RT: 8.74 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

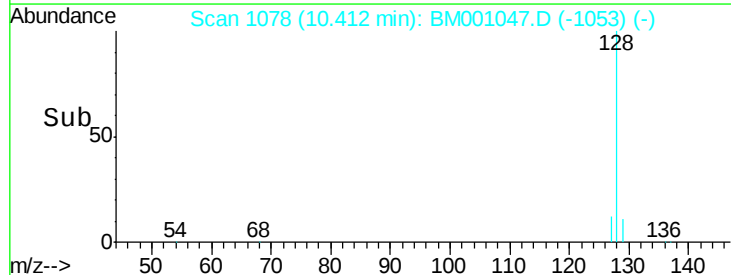
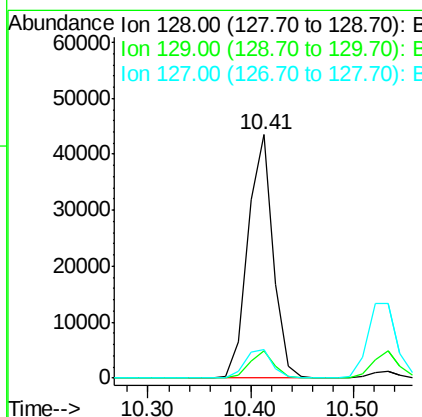
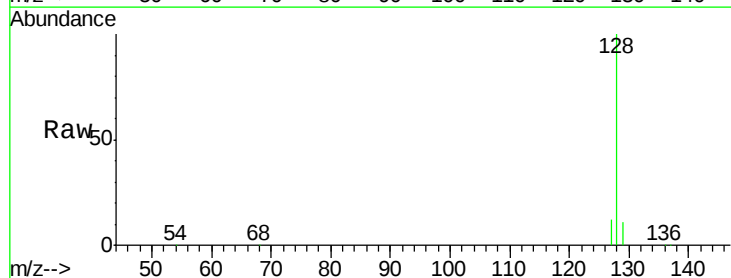
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tot Ion: 82 Resp: 18718
 Ion Ratio Lower Upper
 82 100
 128 40.4 31.9 47.9
 54 60.6 51.3 76.9



#6
 Naphthalene
 Concen: 5.14 ng
 RT: 10.41 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion: 128 Resp: 73562
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.3 13.9
 127 12.0 10.0 15.0





#7

2-Methylnaphthalene

Concen: 5.39 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

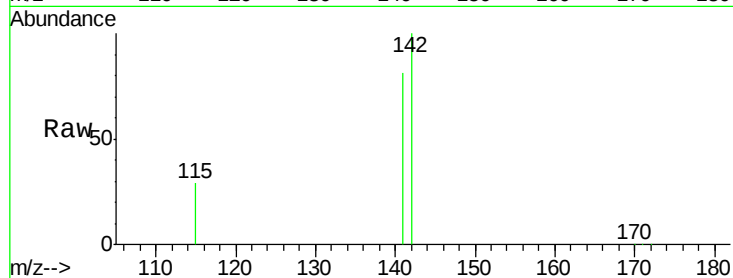
Tot Ion:142 Resp: 49028

Ion Ratio Lower Upper

142 100

141 80.8 66.7 100.1

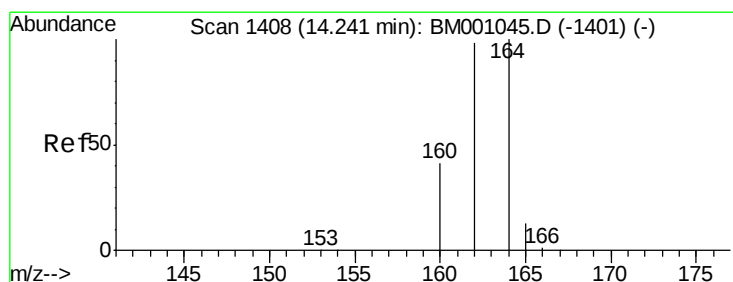
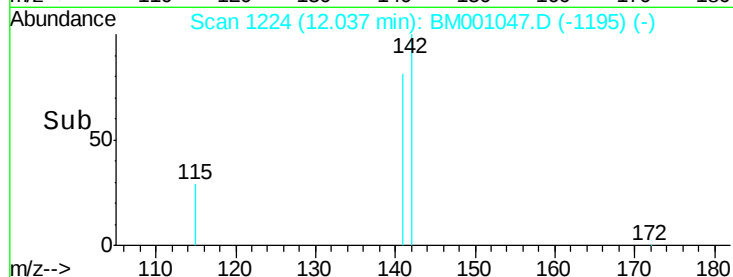
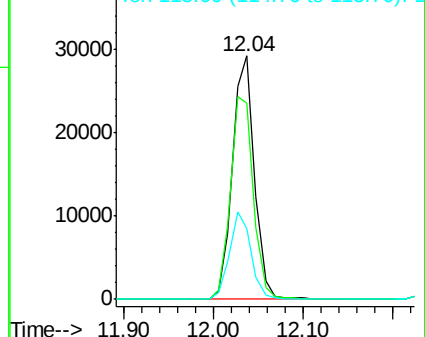
115 29.3 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

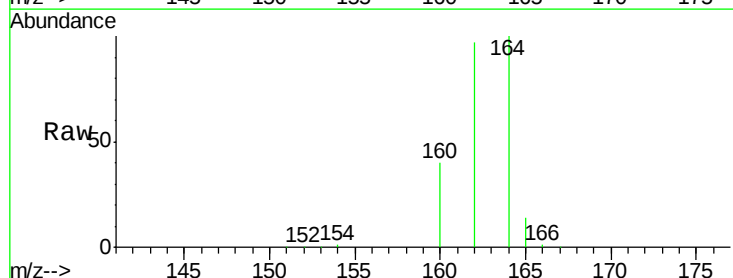
Tgt Ion:164 Resp: 32509

Ion Ratio Lower Upper

164 100

162 96.6 78.5 117.7

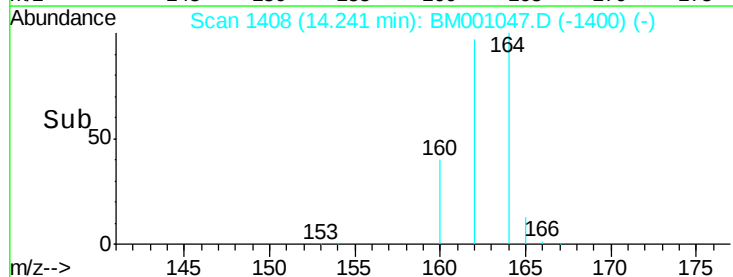
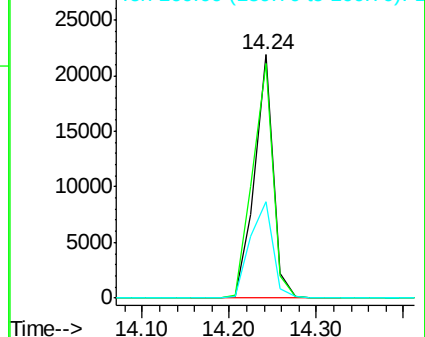
160 39.8 32.9 49.3



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

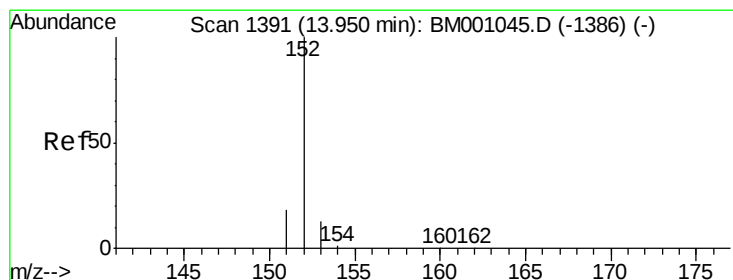
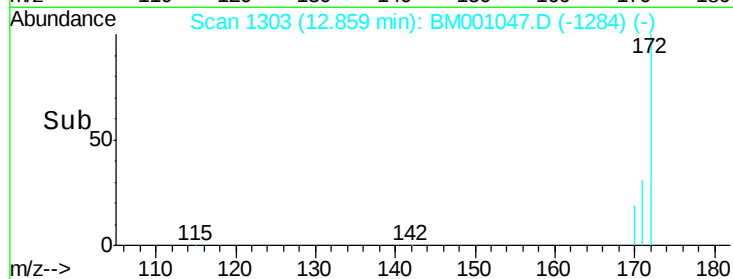
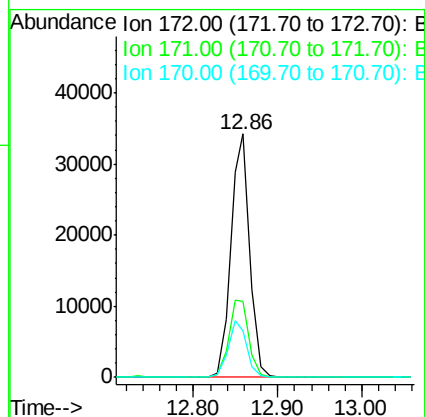
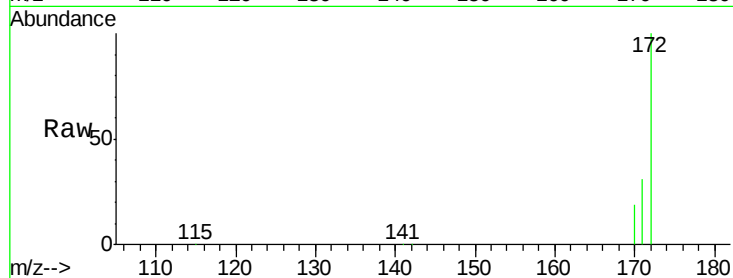




#9
2-Fluorobiphenyl
Concen: 5.31 ng
RT: 12.86 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

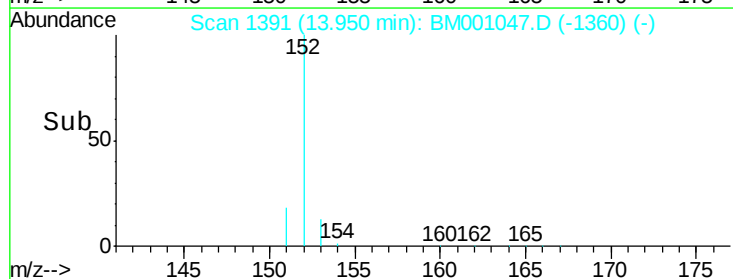
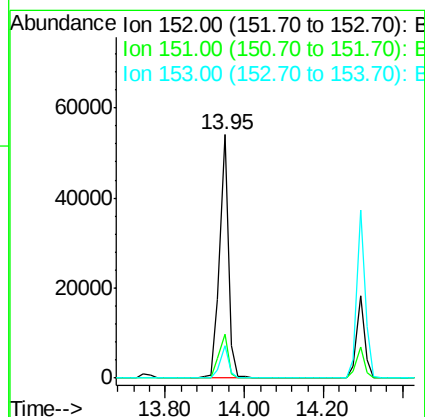
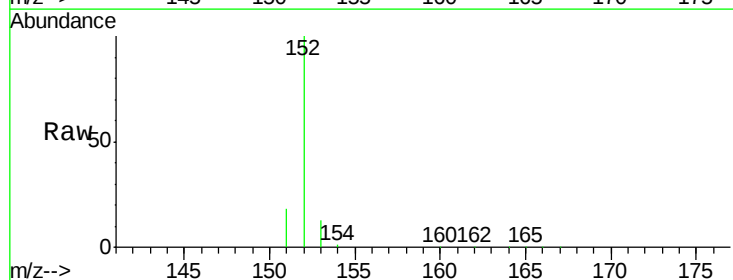
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

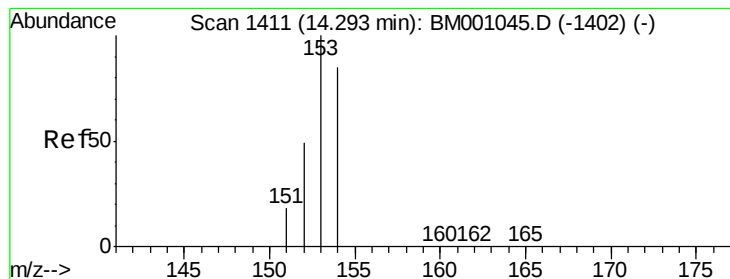
Tot Ion:172 Resp: 53705
Ion Ratio Lower Upper
172 100
171 31.3 25.6 38.4
170 18.9 15.8 23.6



#10
Acenaphthylene
Concen: 5.77 ng
RT: 13.95 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:152 Resp: 83164
Ion Ratio Lower Upper
152 100
151 18.8 14.7 22.1
153 12.8 10.2 15.2





#11

Acenaphthene

Concen: 4.97 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

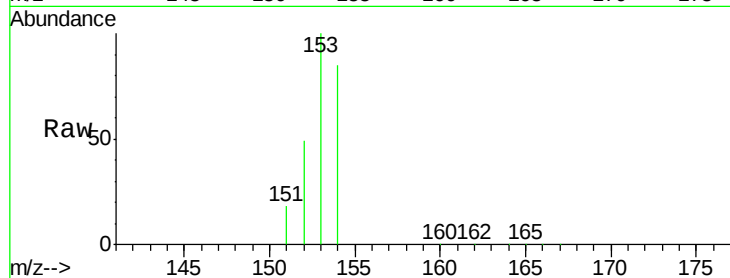
Tot Ion:154 Resp: 49474

Ion Ratio Lower Upper

154 100

153 110.1 88.1 132.1

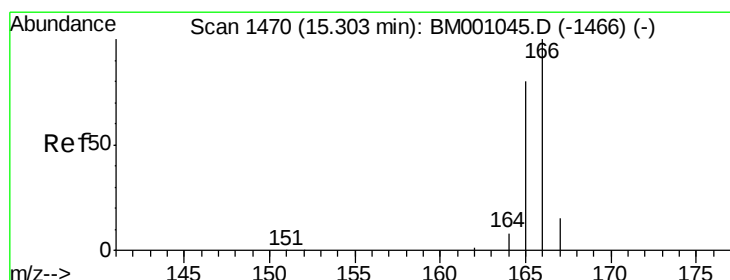
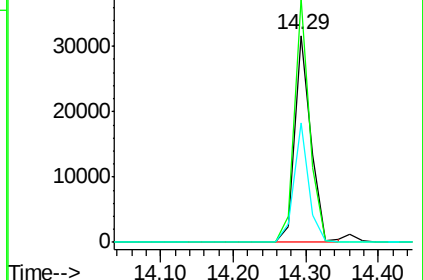
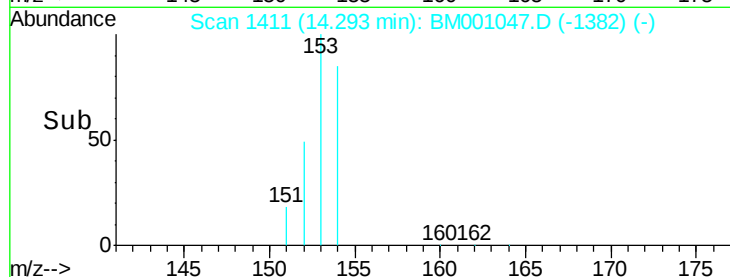
152 52.8 42.3 63.5



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: 5.35 ng

RT: 15.29 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

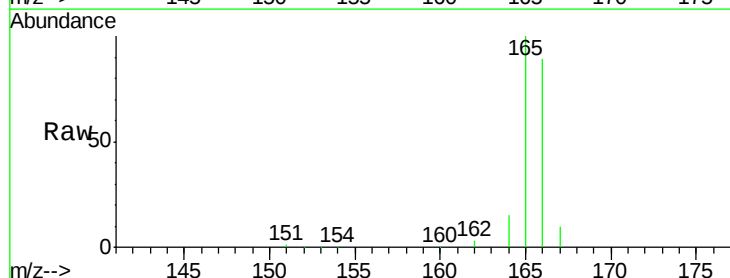
Tgt Ion:166 Resp: 59990

Ion Ratio Lower Upper

166 100

165 97.5 77.6 116.4

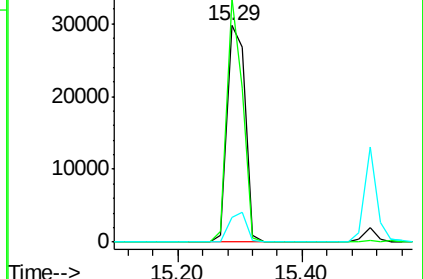
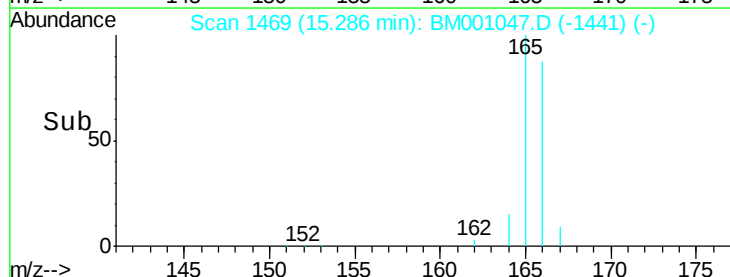
167 13.3 10.6 16.0

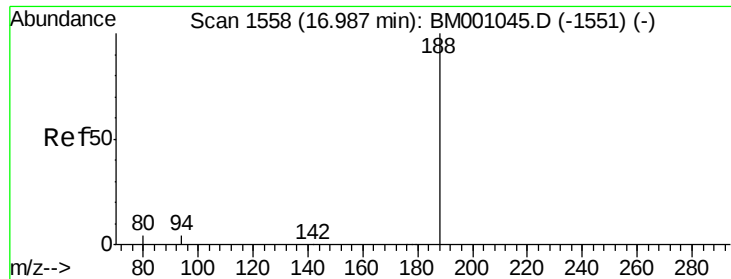


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.99 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

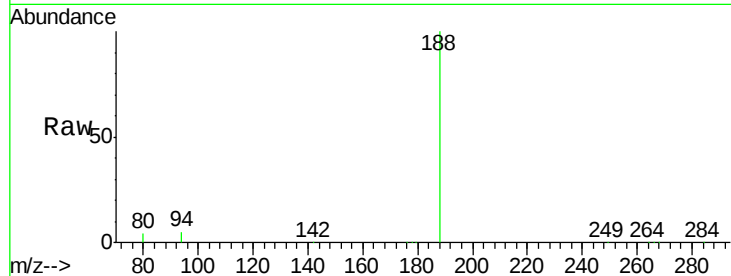
Tot Ion:188 Resp: 69248

Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

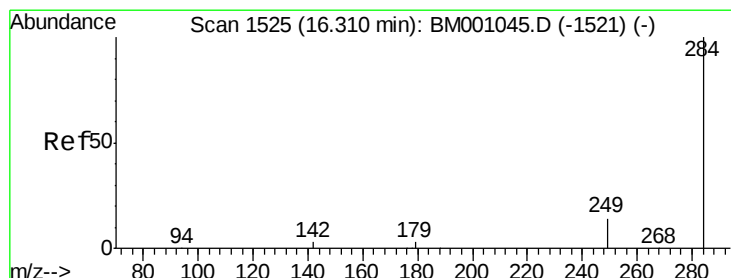
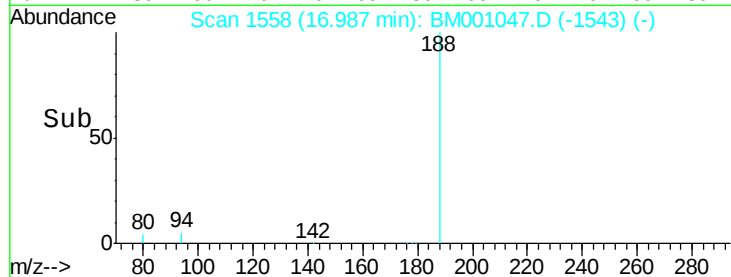
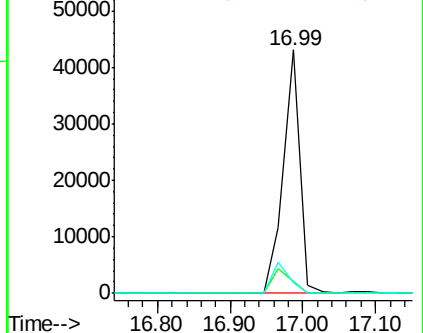
80 4.3 3.0 4.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#14

Hexachlorobenzene

Concen: 4.89 ng

RT: 16.31 min Scan# 1525

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

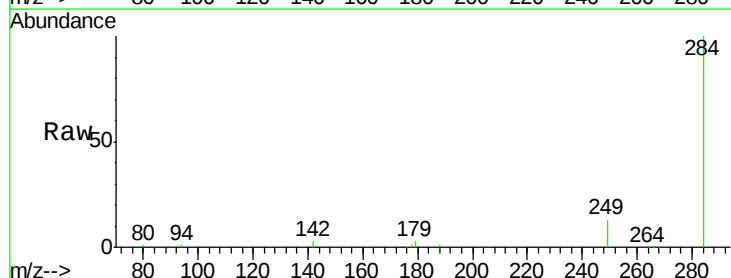
Tgt Ion:284 Resp: 19567

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

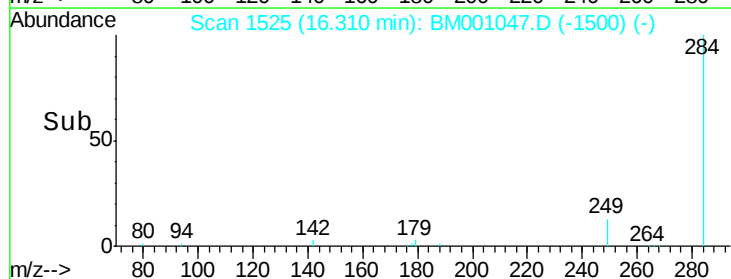
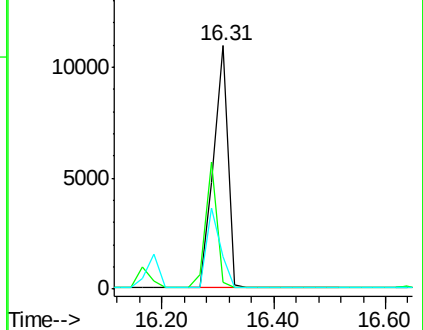
249 0.0 0.0 0.0



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

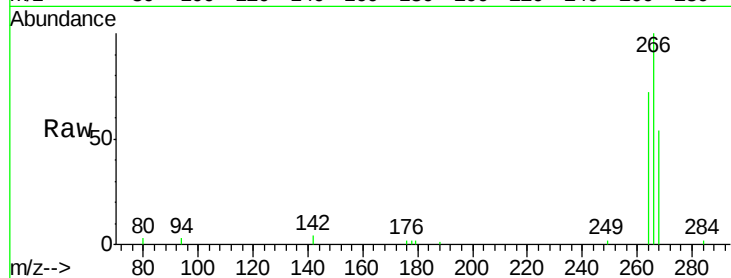




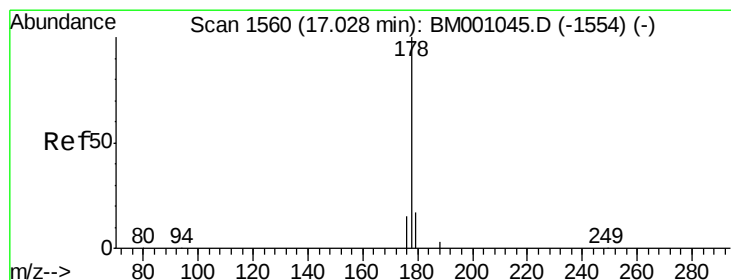
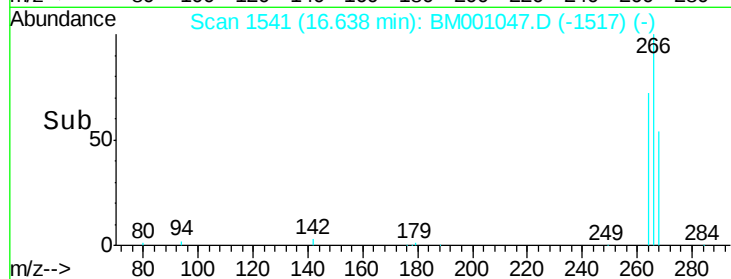
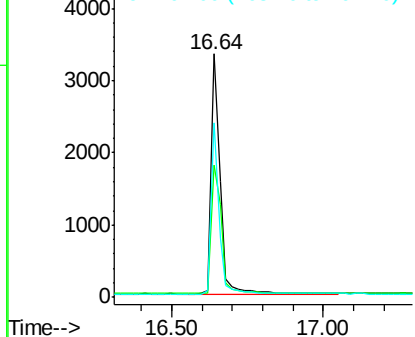
#15
 Pentachlorophenol
 Concen: 6.73 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tot Ion:266 Resp: 6806
 Ion Ratio Lower Upper
 266 100
 268 54.4 46.3 69.5
 264 71.8 59.8 89.6

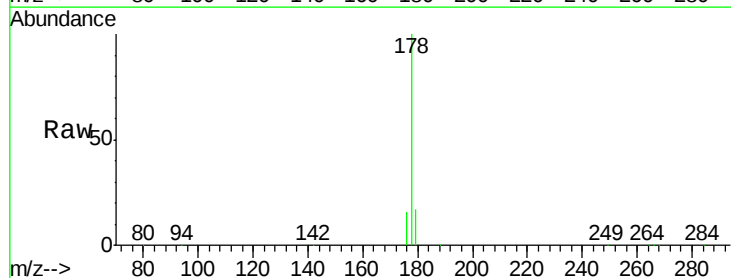


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

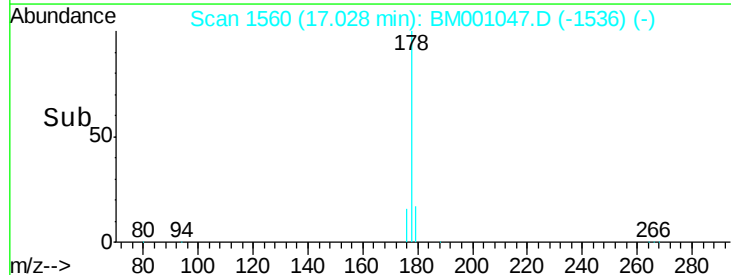
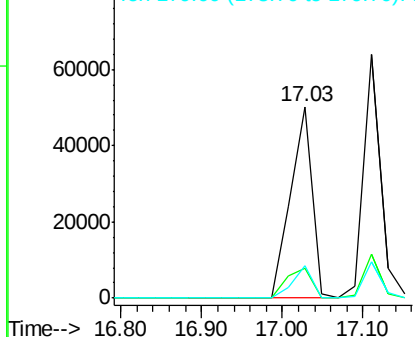


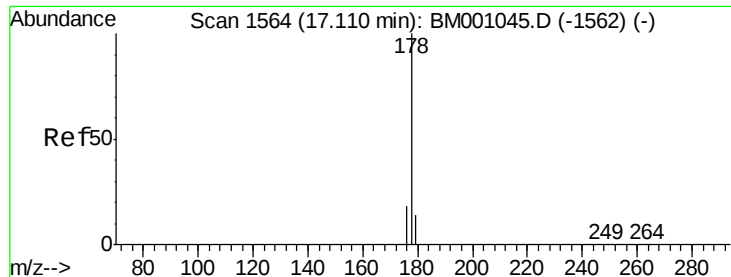
#16
 Phenanthrene
 Concen: 4.93 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion:178 Resp: 92683
 Ion Ratio Lower Upper
 178 100
 176 18.4 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: 5.93 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

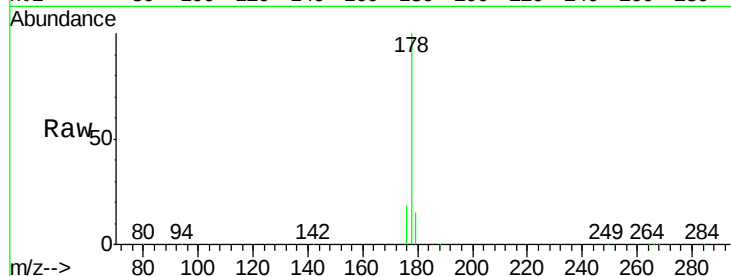
Tot Ion:178 Resp: 95013

Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

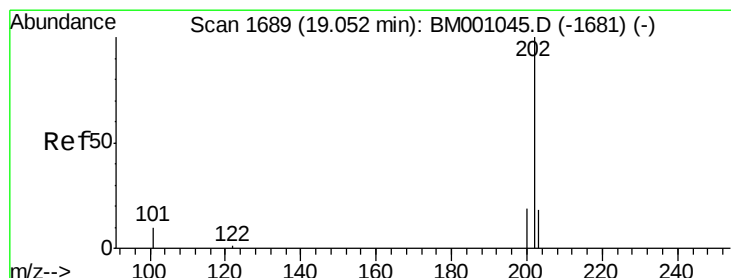
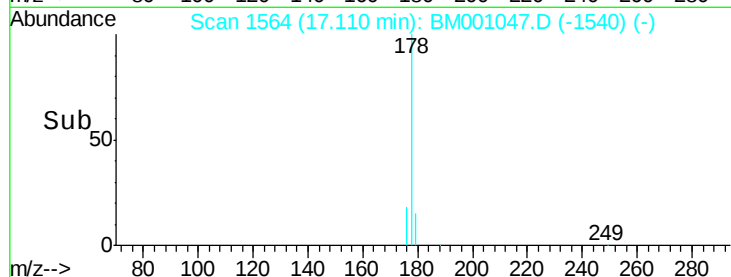
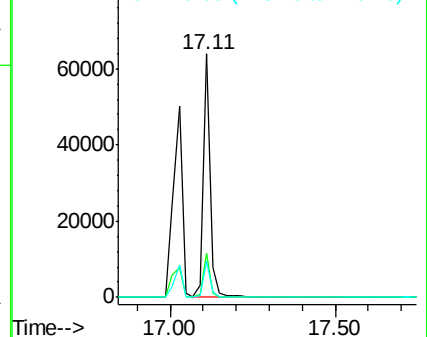
179 15.0 11.8 17.8



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: 5.48 ng

RT: 19.05 min Scan# 1689

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

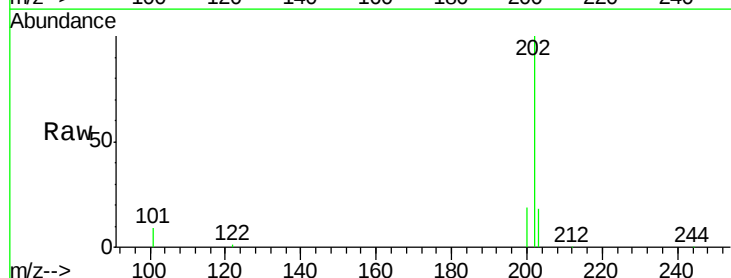
Tgt Ion:202 Resp: 103016

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

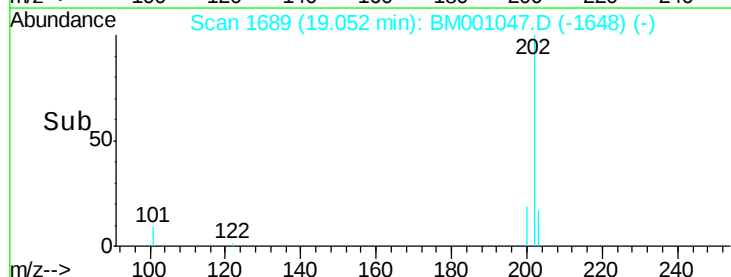
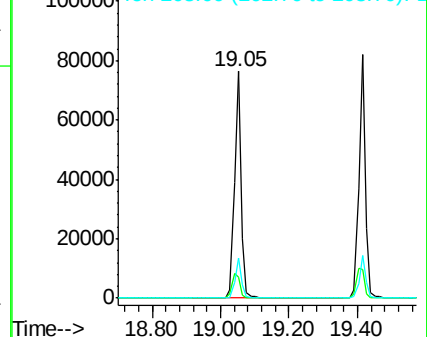
203 17.1 13.8 20.8

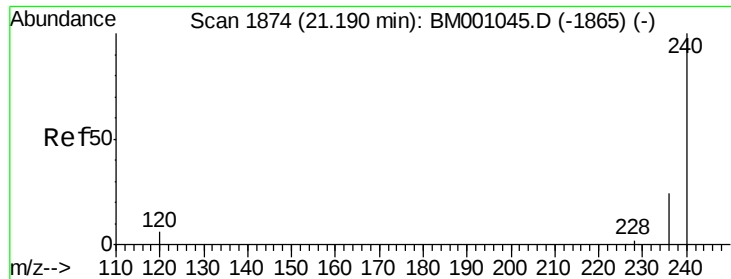


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

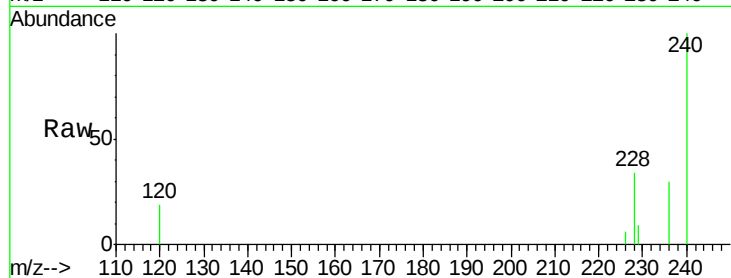
Tot Ion:240 Resp: 62947

Ion Ratio Lower Upper

240 100

120 18.7 4.6 6.8#

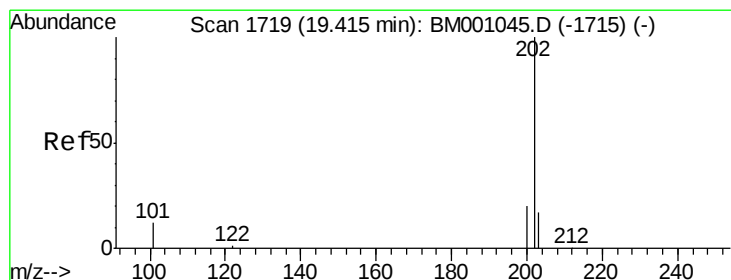
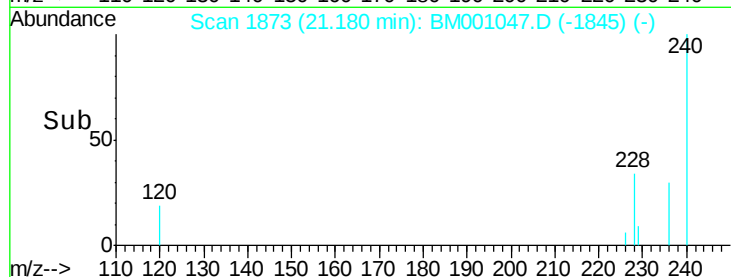
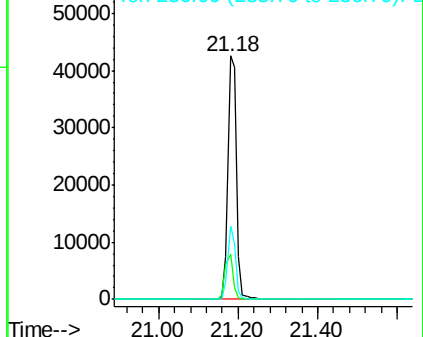
236 30.3 19.1 28.7#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 5.23 ng

RT: 19.42 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

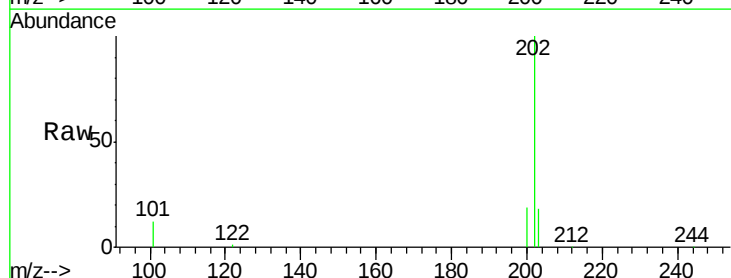
Tgt Ion:202 Resp: 107394

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

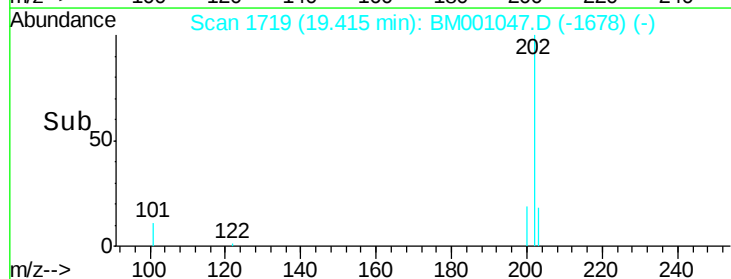
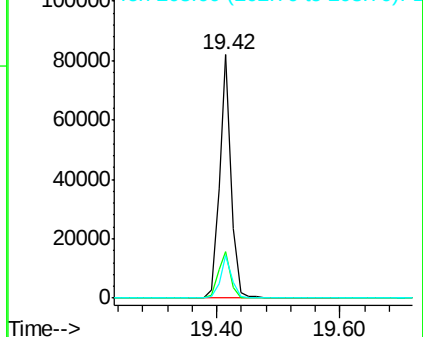
203 17.3 13.8 20.6

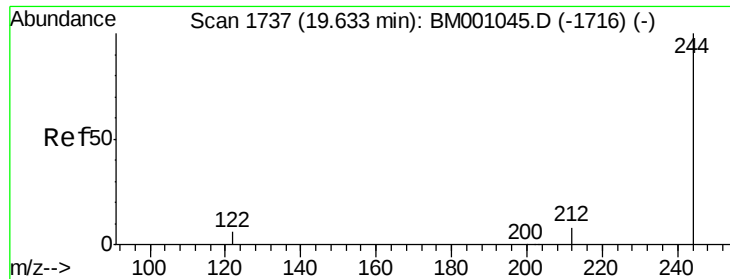


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 5.54 ng

RT: 19.63 min Scan# 1737

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

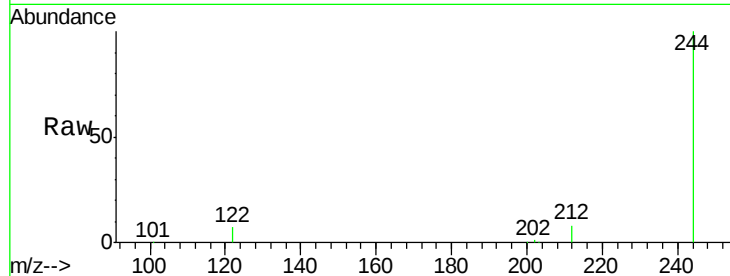
Tot Ion:244 Resp: 42382

Ion Ratio Lower Upper

244 100

212 8.1 7.1 10.7

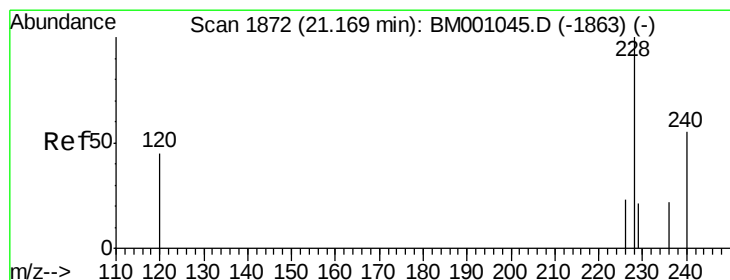
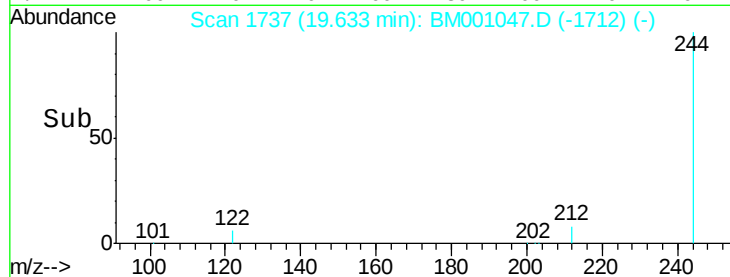
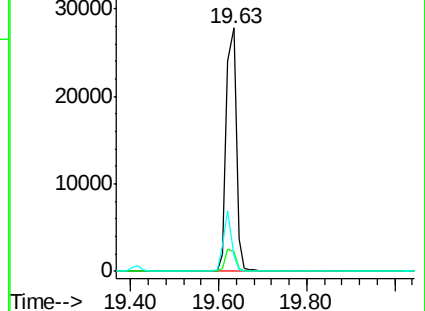
122 6.6 5.9 8.9



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: 5.34 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

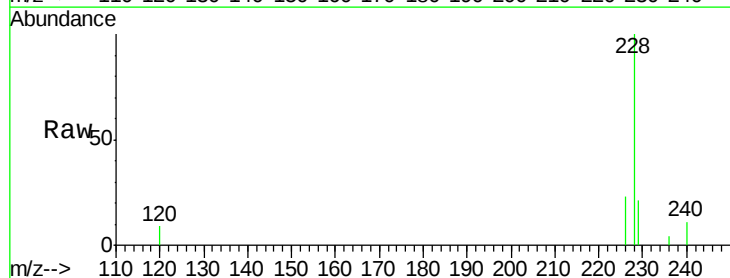
Tgt Ion:228 Resp: 96142

Ion Ratio Lower Upper

228 100

226 22.9 19.0 28.6

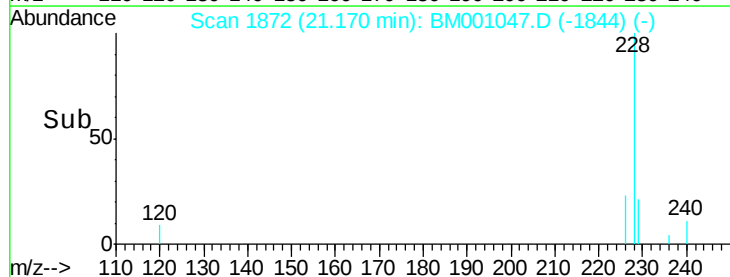
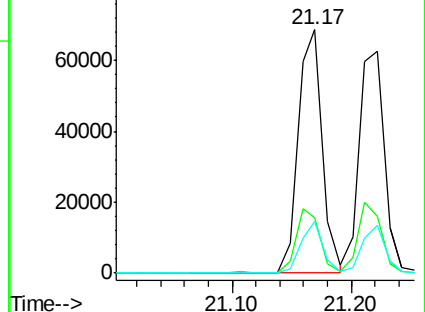
229 21.0 16.8 25.2

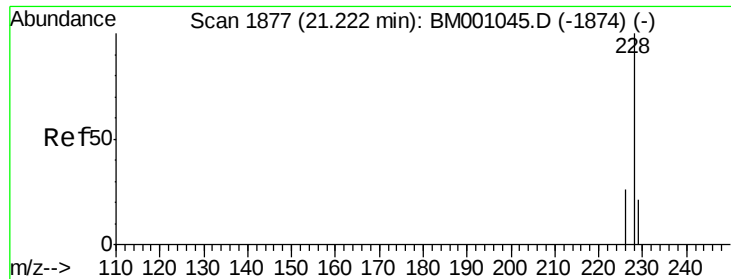


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 4.98 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

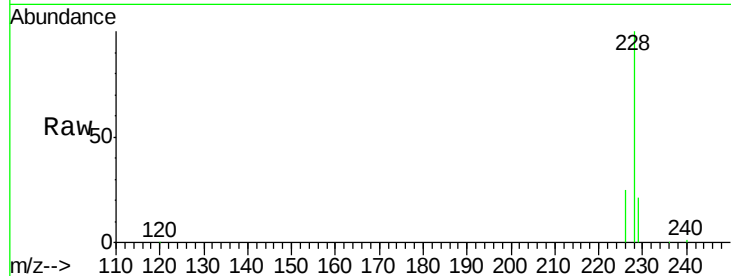
Tot Ion:228 Resp: 93524

Ion Ratio Lower Upper

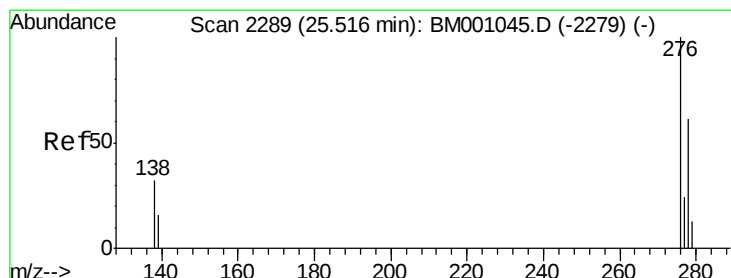
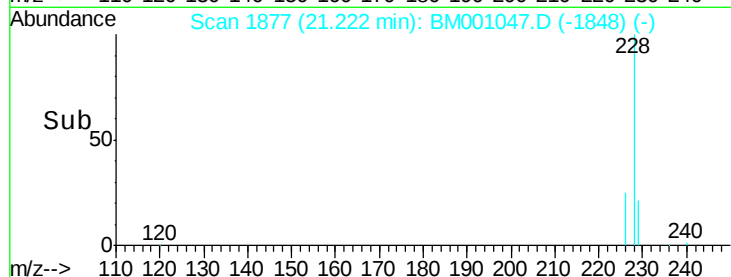
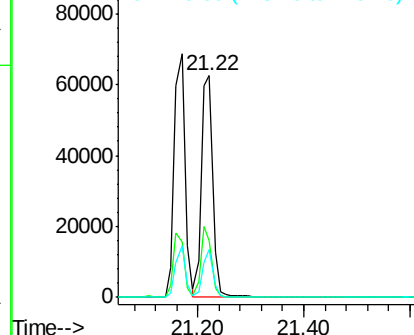
228 100

226 25.4 20.6 31.0

229 21.3 17.2 25.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 5.20 ng

RT: 25.52 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

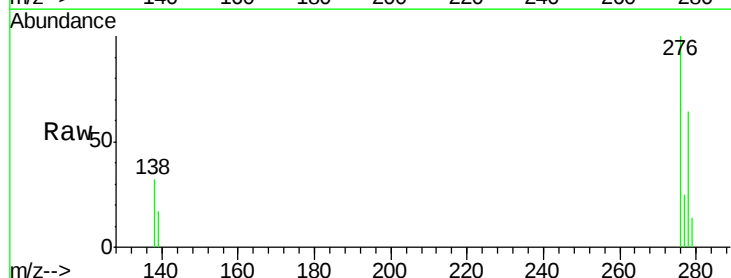
Tgt Ion:276 Resp: 101448

Ion Ratio Lower Upper

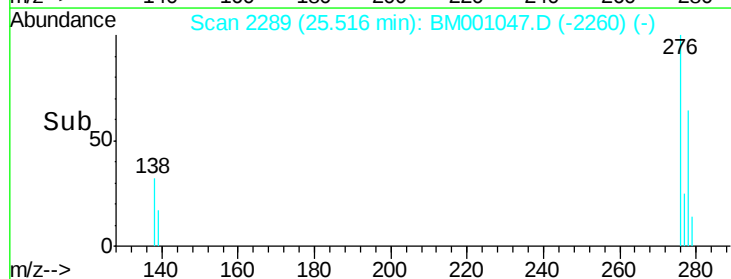
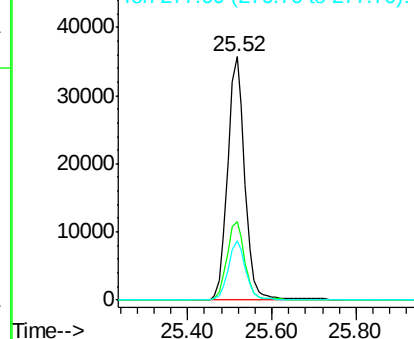
276 100

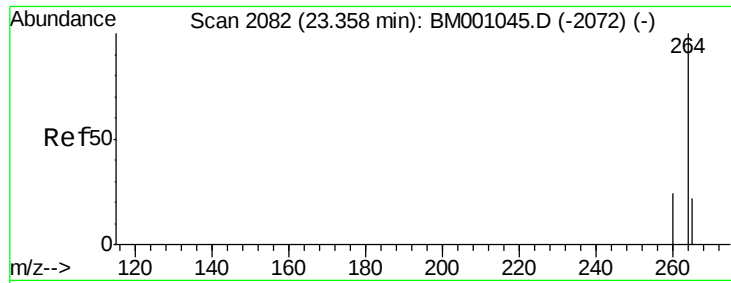
138 33.3 26.3 39.5

277 24.6 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

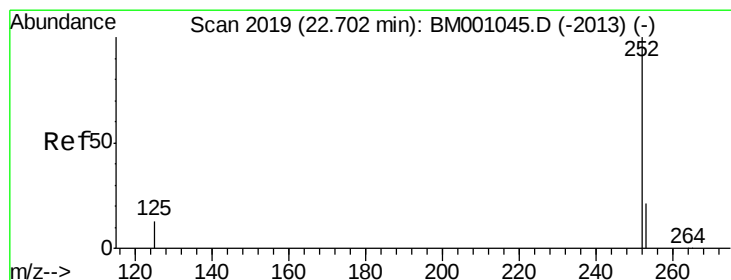
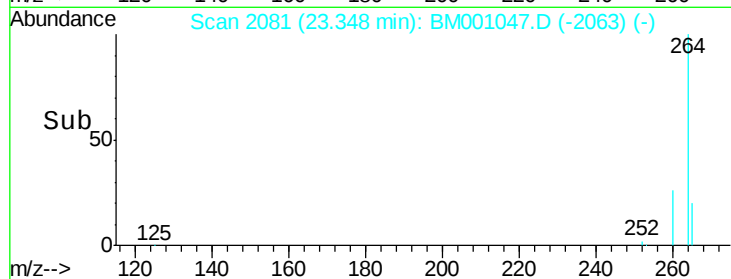
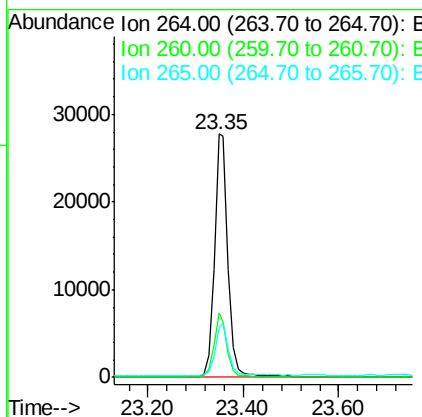
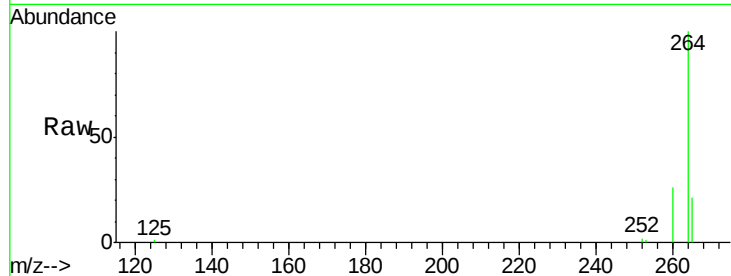




#25
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.35 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

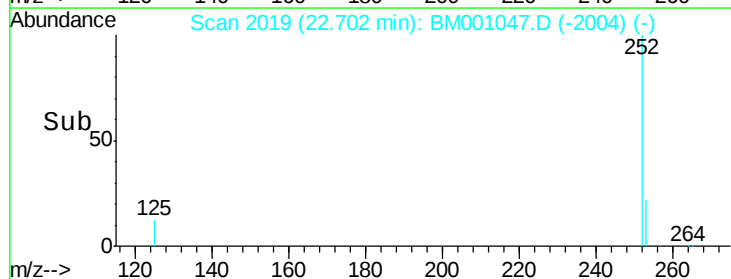
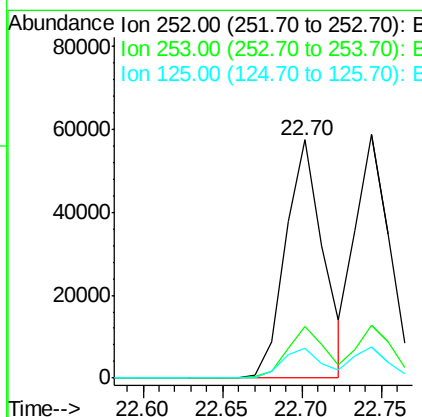
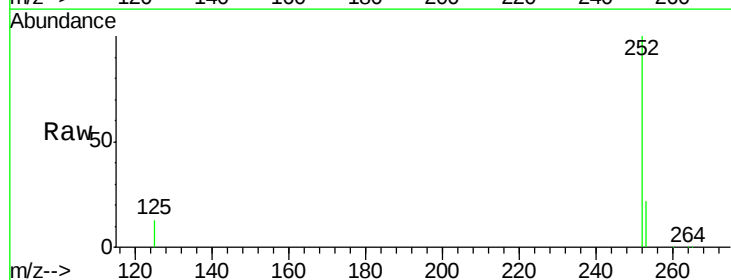
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tot Ion:264 Resp: 55677
 Ion Ratio Lower Upper
 264 100
 260 26.5 19.0 28.6
 265 20.5 17.9 26.9



#26
 Benzo(b)fluoranthene
 Concen: 5.36 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001047.D
 Acq: 18 Apr 2015 01:43

Tgt Ion:252 Resp: 94087
 Ion Ratio Lower Upper
 252 100
 253 21.9 18.2 27.2
 125 12.6 10.9 16.3

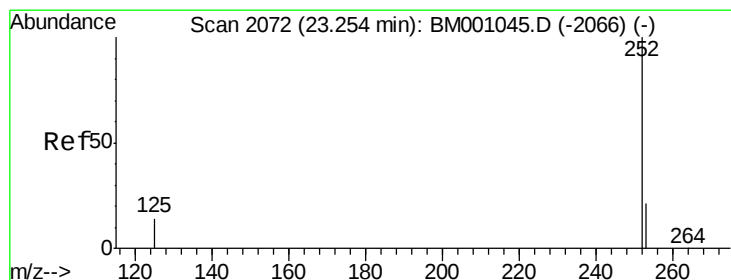
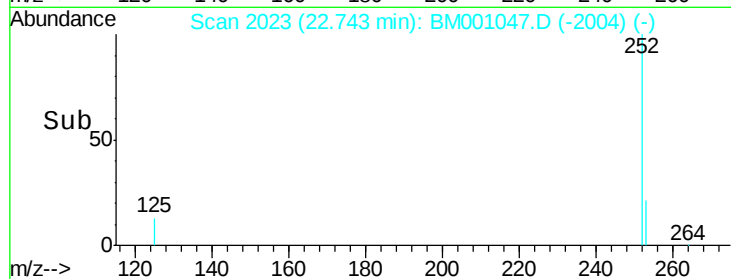
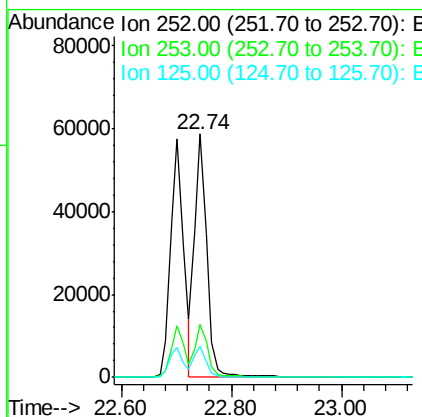
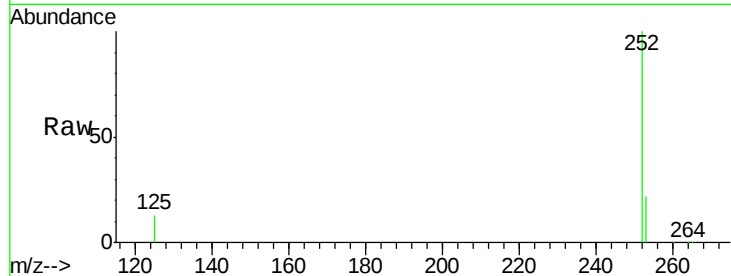




#27
Benzo(k)fluoranthene
Concen: 5.31 ng
RT: 22.74 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

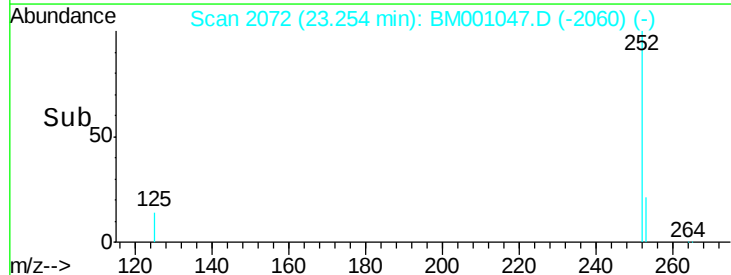
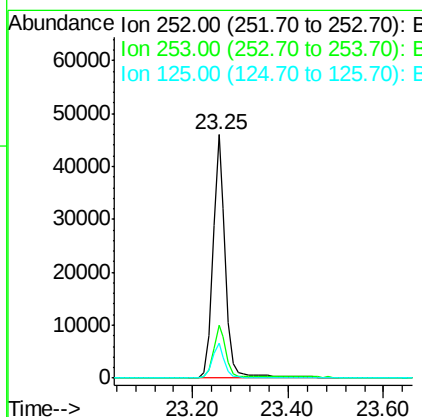
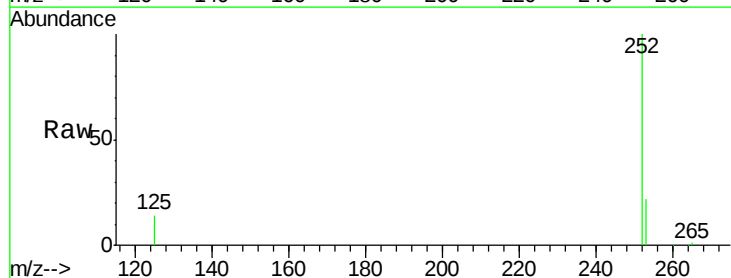
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

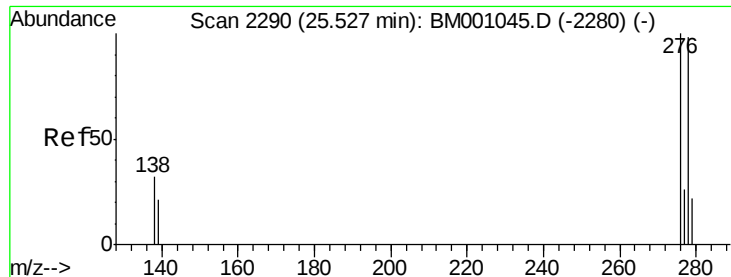
Tot Ion:252 Resp: 89210
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 12.8 10.6 15.8



#28
Benzo(a)pyrene
Concen: 5.55 ng
RT: 23.25 min Scan# 2072
Delta R.T. 0.00 min
Lab File: BM001047.D
Acq: 18 Apr 2015 01:43

Tgt Ion:252 Resp: 83793
Ion Ratio Lower Upper
252 100
253 21.6 18.6 27.8
125 14.2 11.9 17.9





#29

Dibenzo(a,h)anthracene

Concen: 5.40 ng

RT: 25.53 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

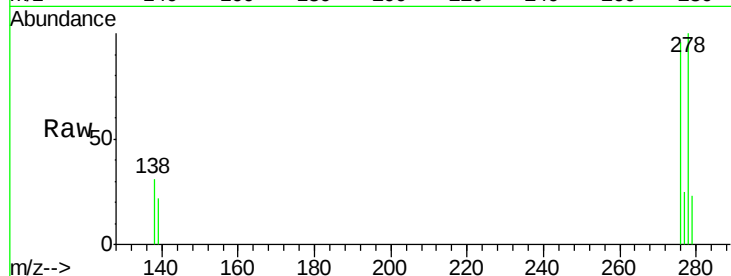
Tot Ion:278 Resp: 80331

Ion Ratio Lower Upper

278 100

139 21.8 18.2 27.2

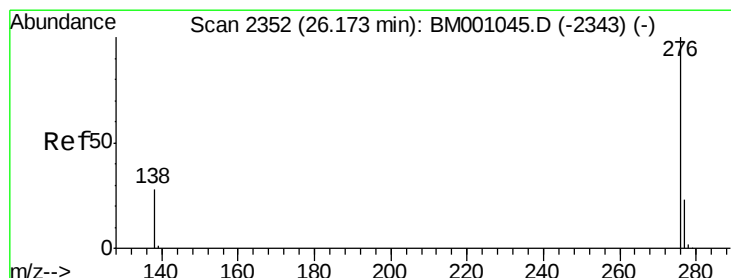
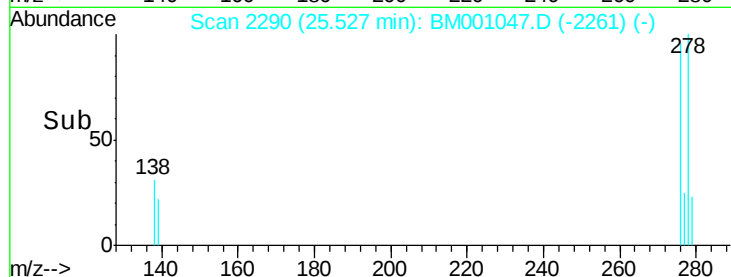
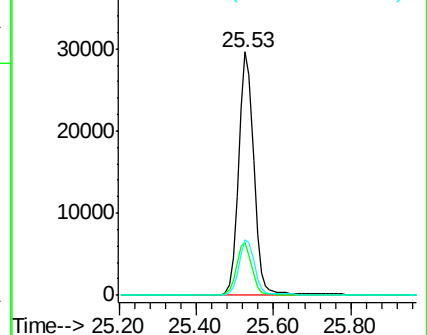
279 23.0 19.1 28.7



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(g,h,i)perylene

Concen: 5.22 ng

RT: 26.17 min Scan# 2352

Delta R.T. 0.00 min

Lab File: BM001047.D

Acq: 18 Apr 2015 01:43

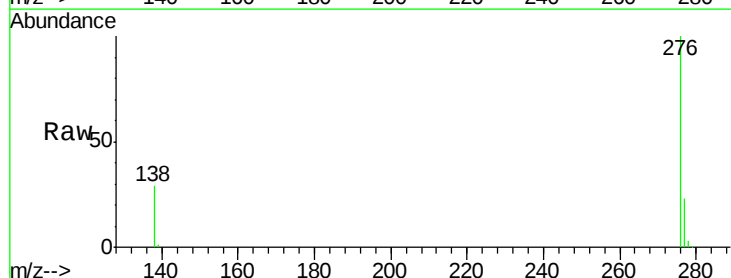
Tgt Ion:276 Resp: 83591

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.4

138 29.2 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

