

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001034.D
 Acq On : 17 Apr 2015 15:01
 Operator : TP/IZ
 Sample : SSTD3.238
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.238

Quant Time: Apr 20 08:50:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 05:07:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1350	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	4927	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2623	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5478	5.00	ng	0.00
19) Chrysene-d12	21.19	240	5113	5.00	ng	0.00
25) Perylene-d12	23.36	264	4362	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units
5) Nitrobenzene-d5	0.00	82	0	0.00	ng
9) 2-Fluorobiphenyl	0.00	172	0	0.00	ng
21) Terphenyl-d14	0.00	244	0	0.00	ng

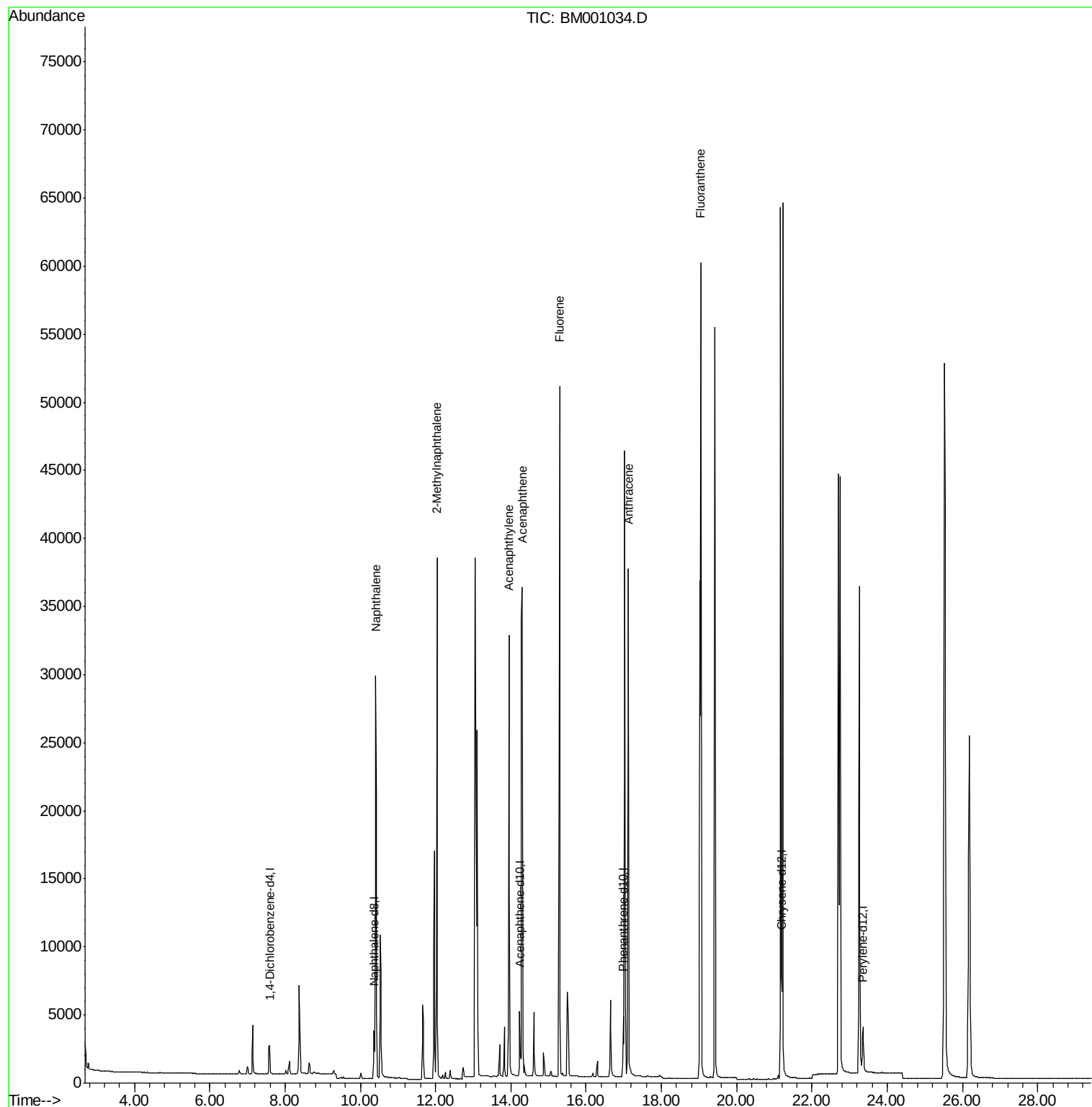
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	40406	34.17	ng	98
7) 2-Methylnaphthalene	12.03	142	27531	35.41	ng	98
10) Acenaphthylene	13.94	152	40245	25.71	ng	99
11) Acenaphthene	14.30	154	27654	33.58	ng	97
12) Fluorene	15.30	166	34260	35.79	ng	100
15) Pentachlorophenol	16.64	266	4511	Below	Cal	96
16) Phenanthrene	17.03	178	51948	Below	Cal	99
17) Anthracene	17.12	178	50547	39.54	ng	99
18) Fluoranthene	19.05	202	60988	42.16	ng	100
20) Pyrene	19.42	202	61898	Below	Cal	99
22) Benzo(a)anthracene	21.17	228	53472	Below	Cal	98
23) Chrysene	21.22	228	56330	Below	Cal	97
24) Indeno(1,2,3-cd)pyrene	25.52	276	56263	Below	Cal	99
26) Benzo(b)fluoranthene	22.70	252	52897	Below	Cal	98
27) Benzo(k)fluoranthene	22.74	252	53681	Below	Cal	97
28) Benzo(a)pyrene	23.25	252	49841	Below	Cal	97
29) Dibenzo(a,h)anthracene	25.53	278	45831	Below	Cal	98
30) Benzo(g,h,i)perylene	26.18	276	48296	Below	Cal	98

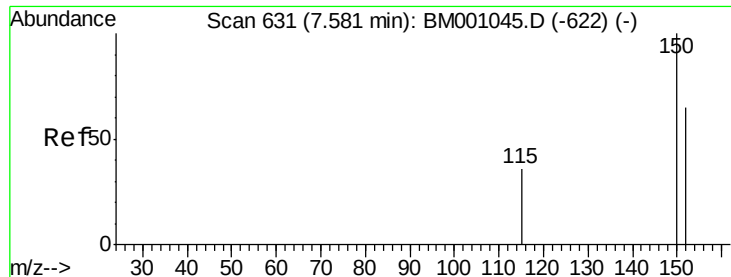
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 318

Delta R.T. 0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

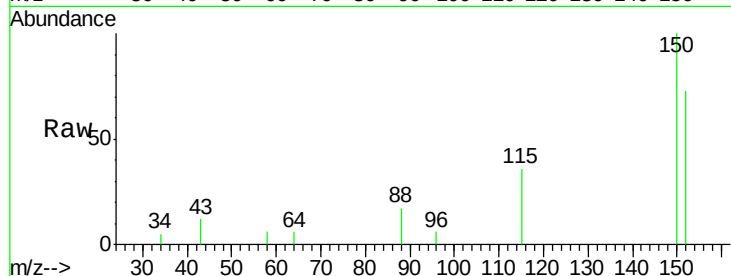
Tgt Ion:152 Resp: 1350

Ion Ratio Lower Upper

152 100

150 136.3 123.3 184.9

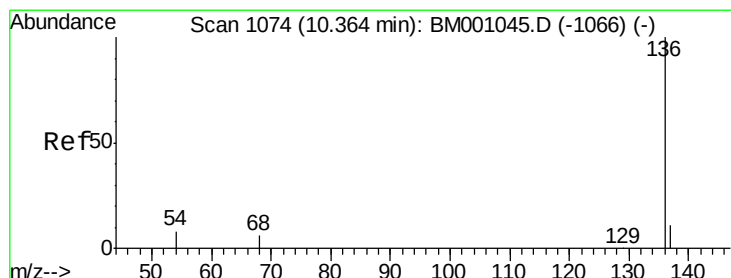
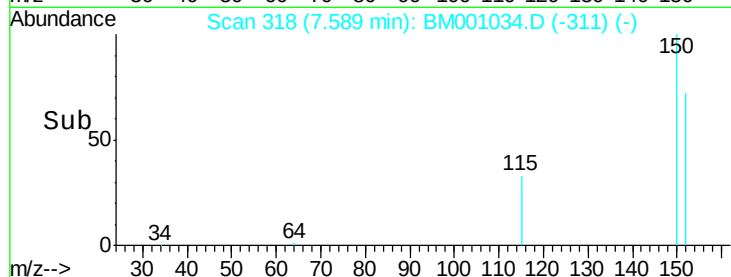
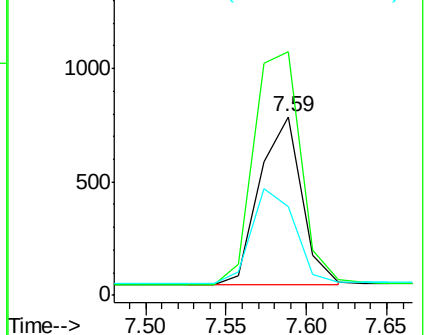
115 49.6 45.0 67.6



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# 515

Delta R.T. -0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

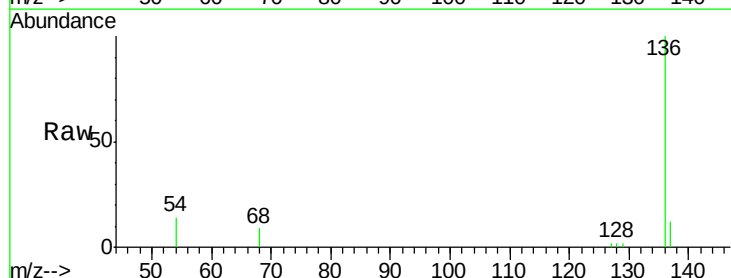
Tgt Ion:136 Resp: 4927

Ion Ratio Lower Upper

136 100

137 11.9 8.6 13.0

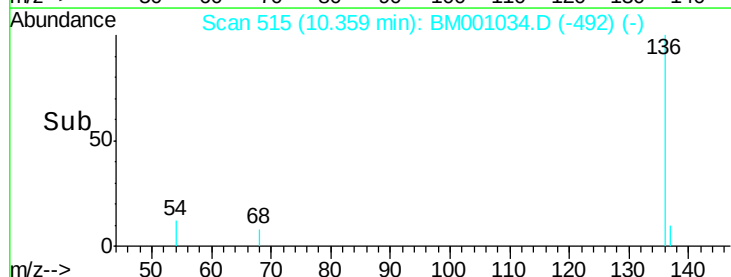
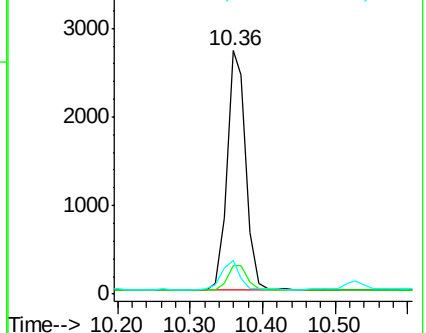
54 13.7 6.5 9.7#

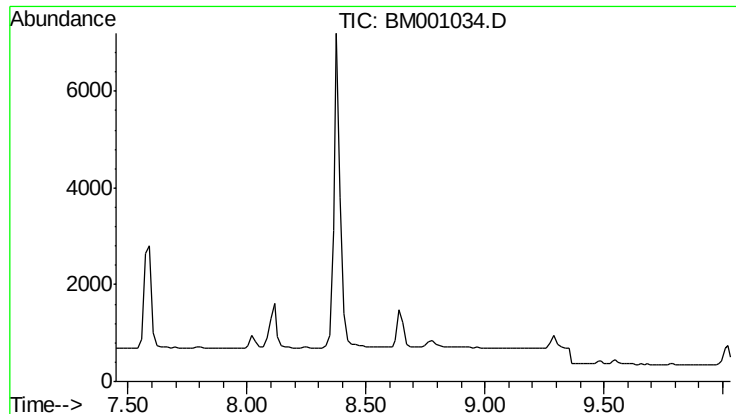


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

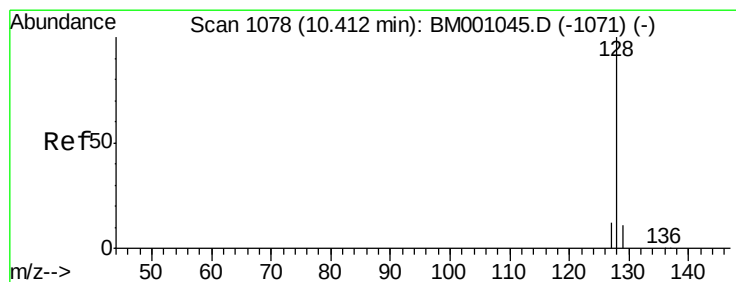
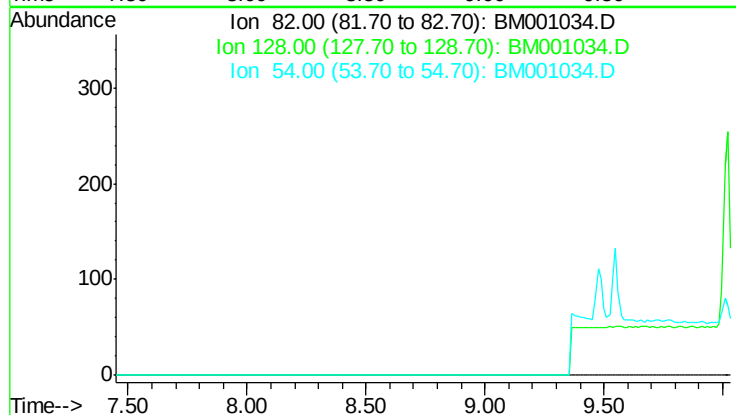




#5
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.74 min
 Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

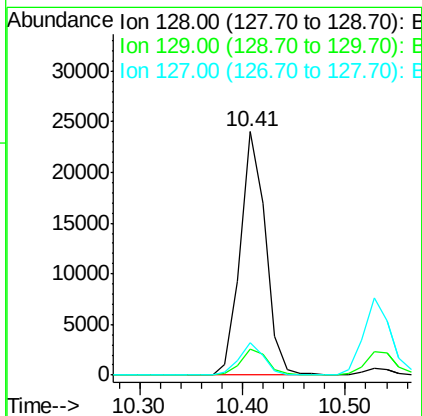
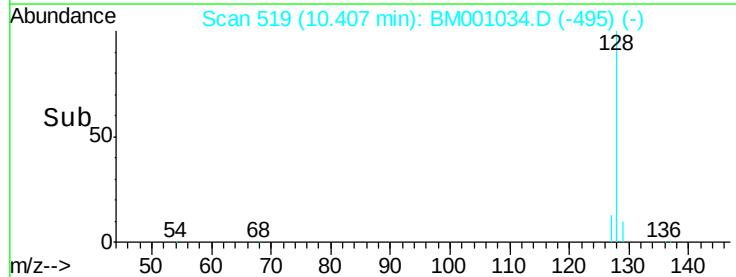
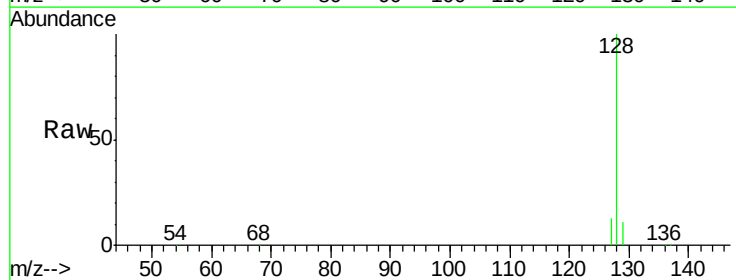
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.238

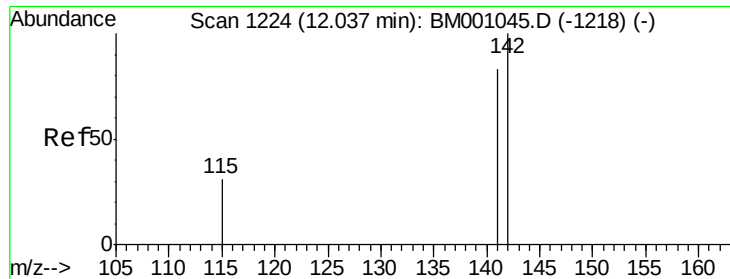
Tgt Ion	Exp Ratio
82	100
128	39.9
54	64.1



#6
 Naphthalene
 Concen: 34.17 ng
 RT: 10.41 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.3	13.9
127	13.1	10.0	15.0





#7

2-Methylnaphthalene

Concen: 35.41 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

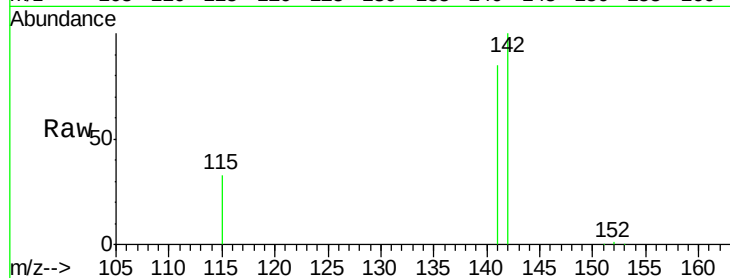
Tgt Ion:142 Resp: 27531

Ion Ratio Lower Upper

142 100

141 85.5 66.7 100.1

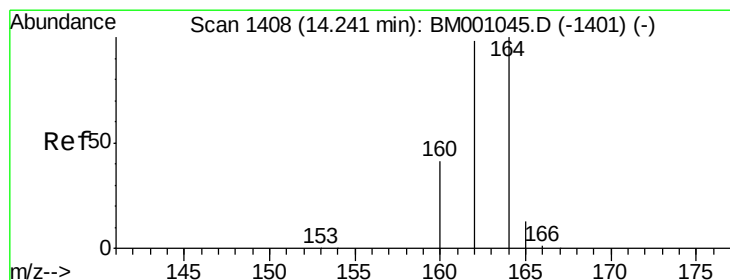
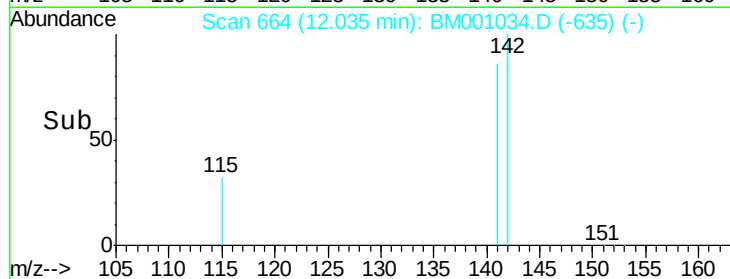
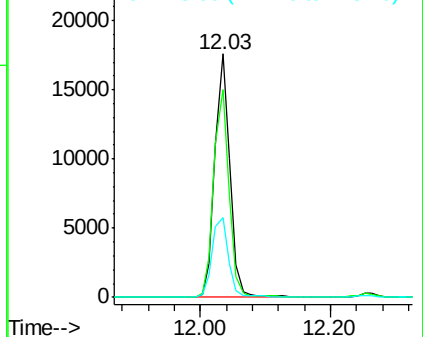
115 32.6 25.5 38.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

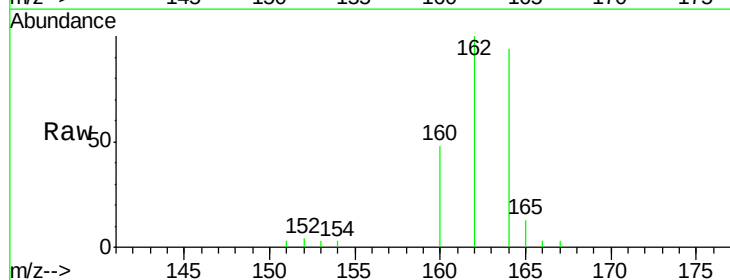
Tgt Ion:164 Resp: 2623

Ion Ratio Lower Upper

164 100

162 106.7 78.5 117.7

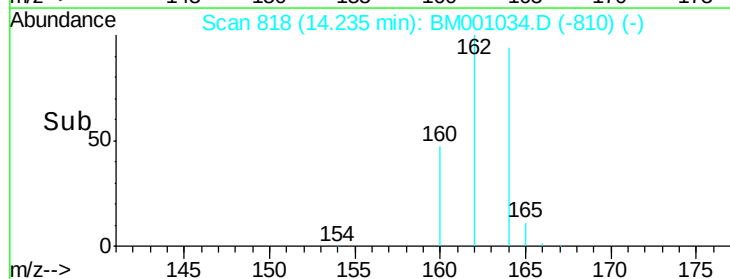
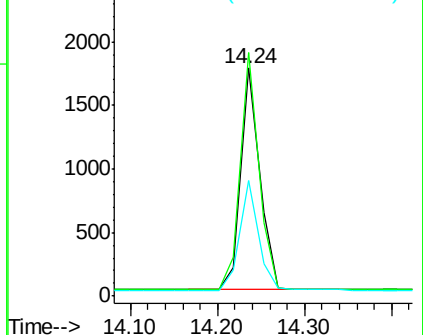
160 51.0 32.9 49.3#

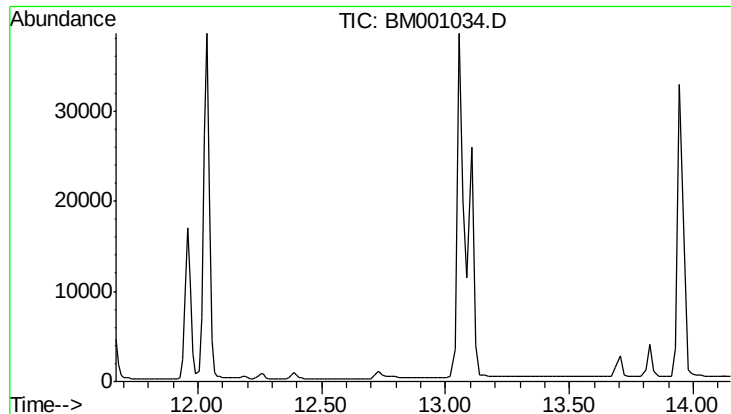


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.00 ng

Expected RT: 12.86 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

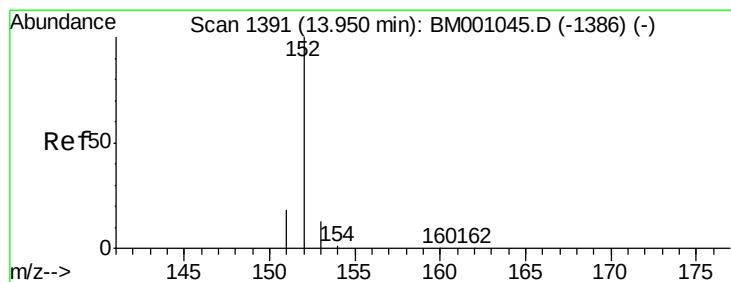
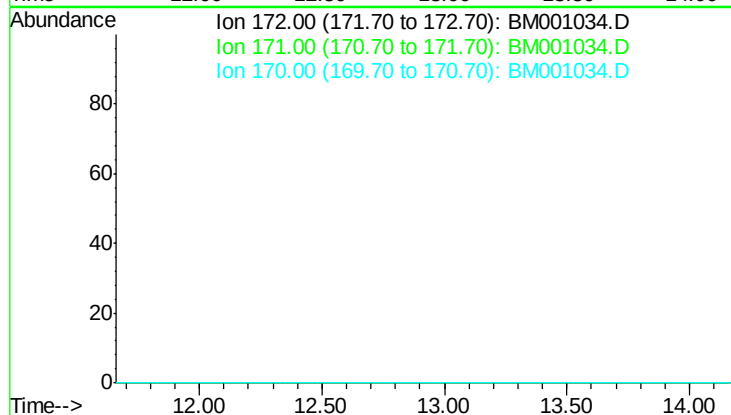
Tgt Ion: 172

Sig Exp Ratio

172 100

171 32.0

170 19.7



#10

Acenaphthylene

Concen: 25.71 ng

RT: 13.94 min Scan# 801

Delta R.T. -0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

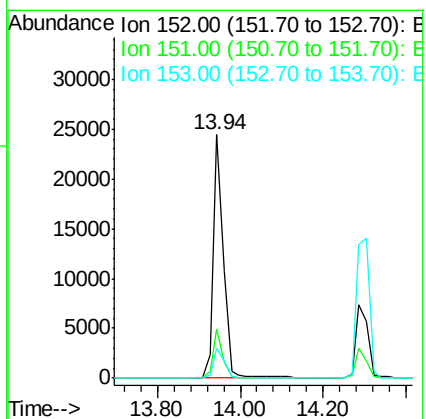
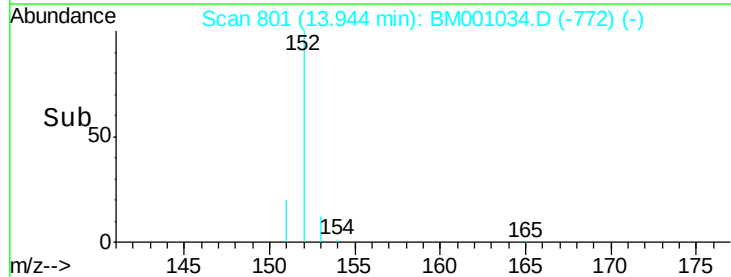
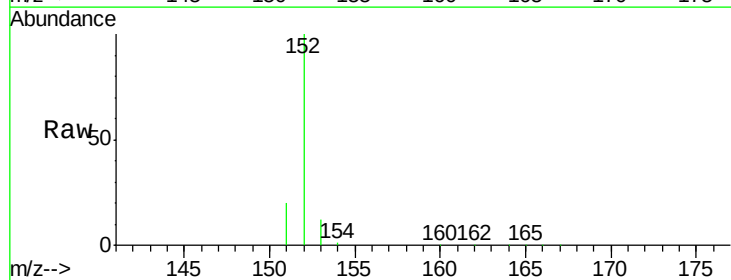
Tgt Ion: 152 Resp: 40245

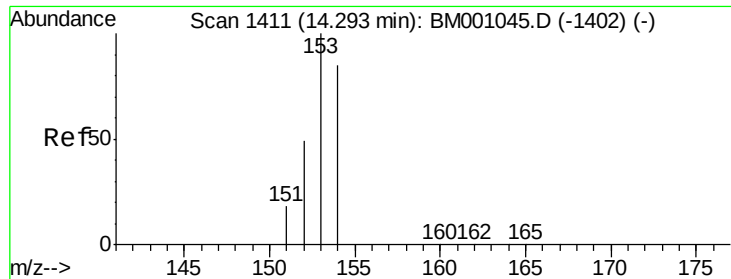
Ion Ratio Lower Upper

152 100

151 18.9 14.7 22.1

153 12.8 10.2 15.2





#11

Acenaphthene

Concen: 33.58 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

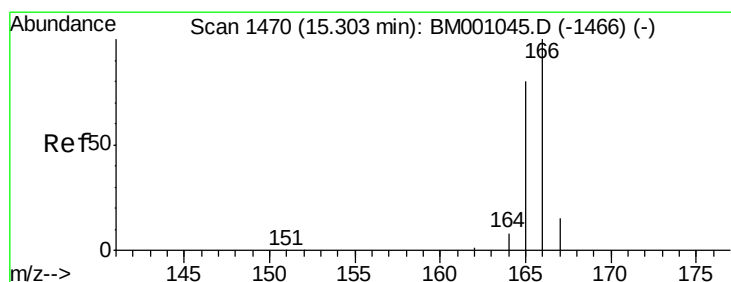
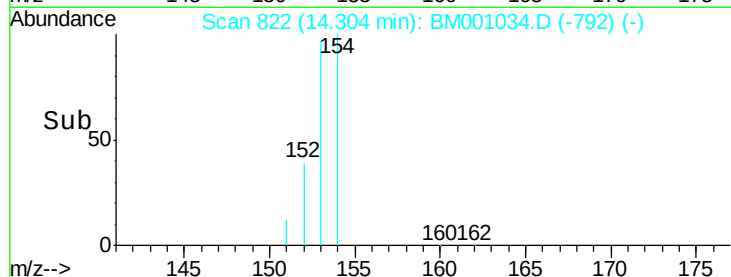
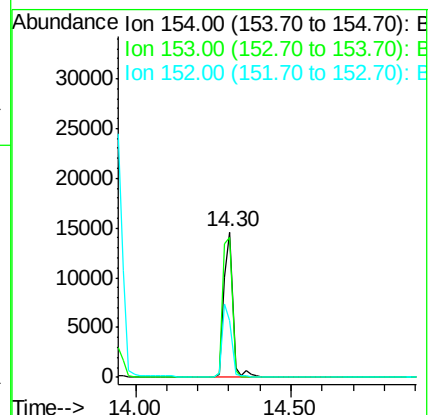
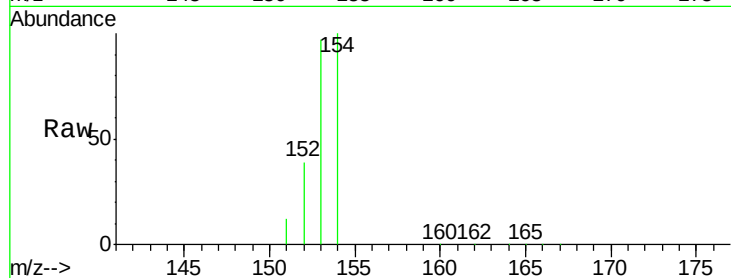
Tgt Ion:154 Resp: 27654

Ion Ratio Lower Upper

154 100

153 106.2 88.1 132.1

152 51.5 42.3 63.5



#12

Fluorene

Concen: 35.79 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

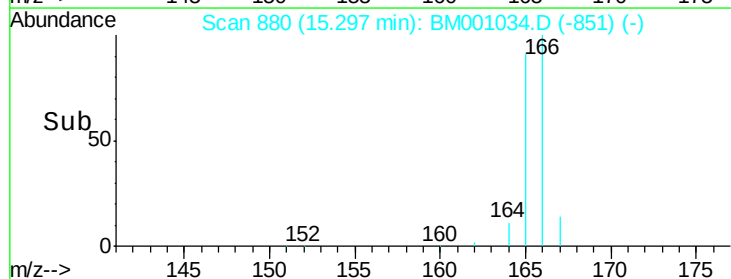
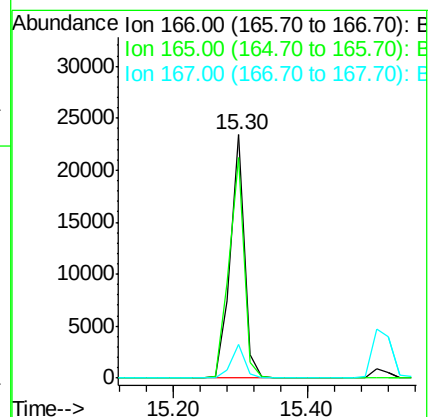
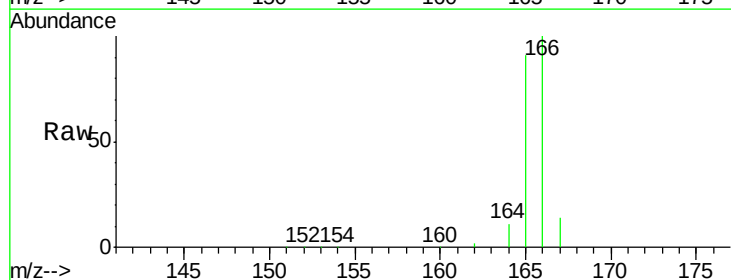
Tgt Ion:166 Resp: 34260

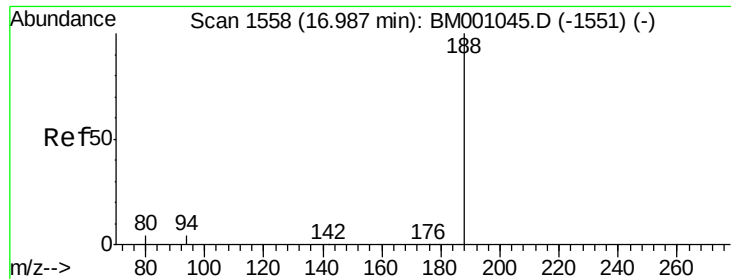
Ion Ratio Lower Upper

166 100

165 96.7 77.6 116.4

167 13.3 10.6 16.0

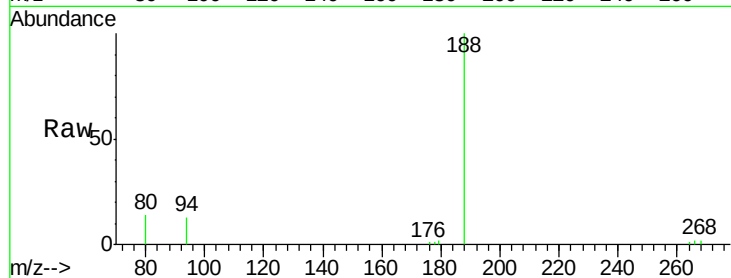




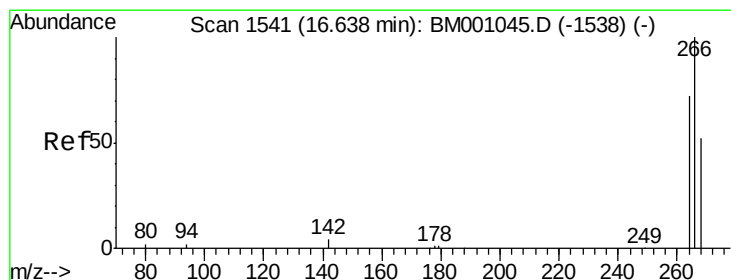
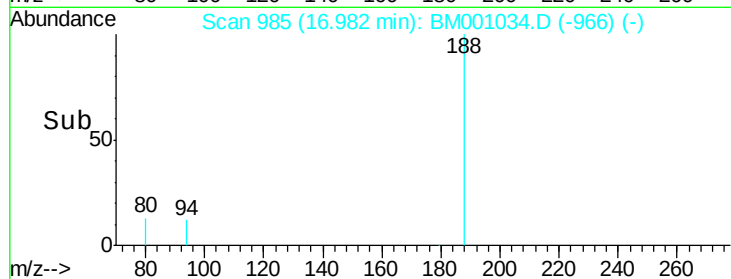
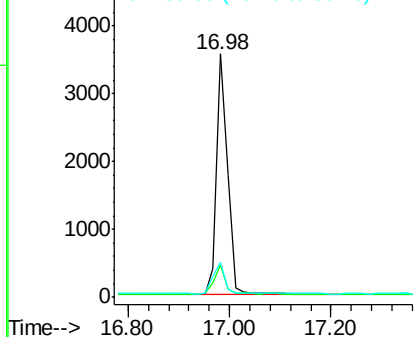
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 985
Delta R.T. -0.01 min
Lab File: BM001034.D
Acq: 17 Apr 2015 15:01

Instrument :
BNA_M
ClientSampleId :
SSTD3.238

Tgt Ion:188 Resp: 5478
Ion Ratio Lower Upper
188 100
94 13.4 3.6 5.4#
80 14.2 3.0 4.6#

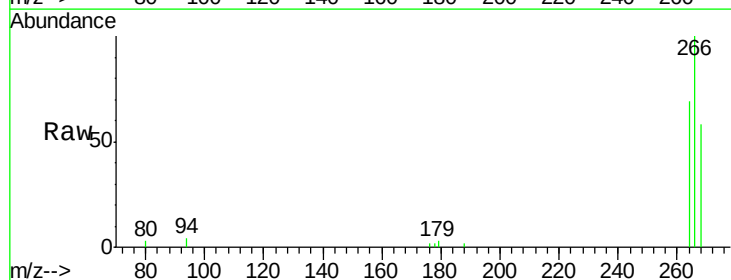


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

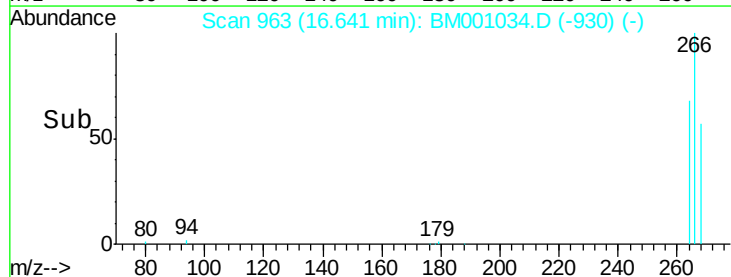
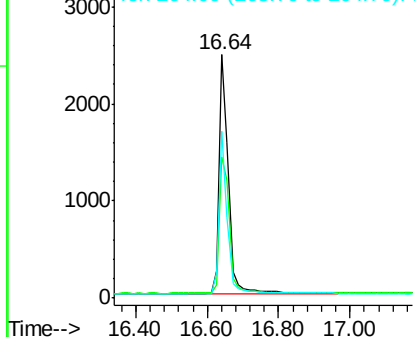


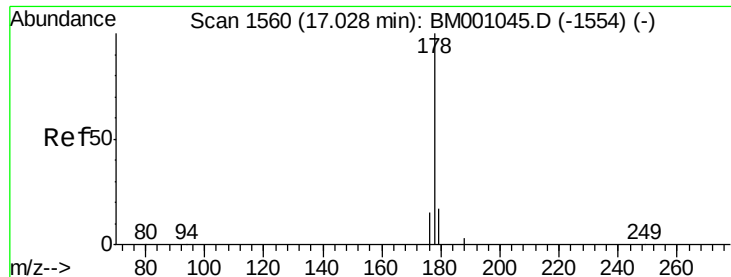
#15
Pentachlorophenol
Concen: Below Cal
RT: 16.64 min Scan# 963
Delta R.T. 0.00 min
Lab File: BM001034.D
Acq: 17 Apr 2015 15:01

Tgt Ion:266 Resp: 4511
Ion Ratio Lower Upper
266 100
268 57.8 46.3 69.5
264 68.5 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

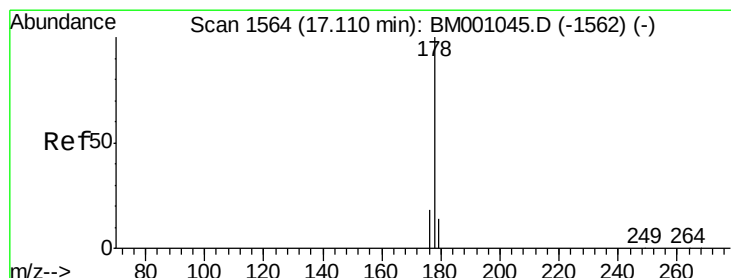
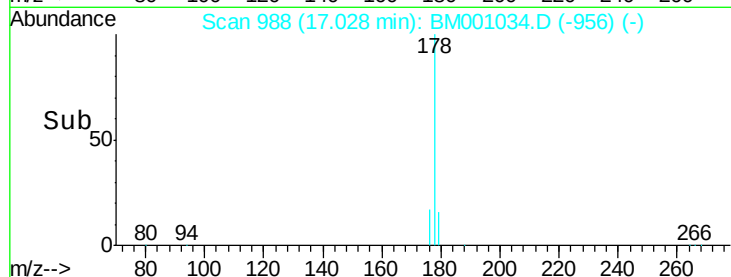
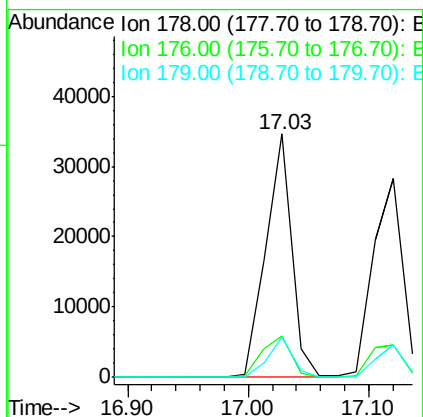
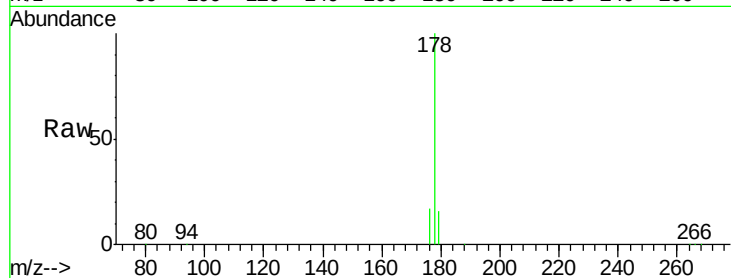




#16
Phenanthrene
Concen: Below Cal
RT: 17.03 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM001034.D
Acq: 17 Apr 2015 15:01

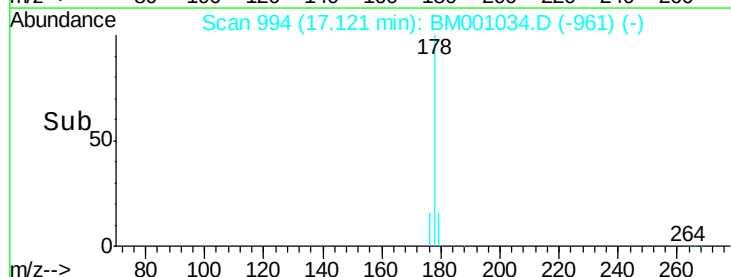
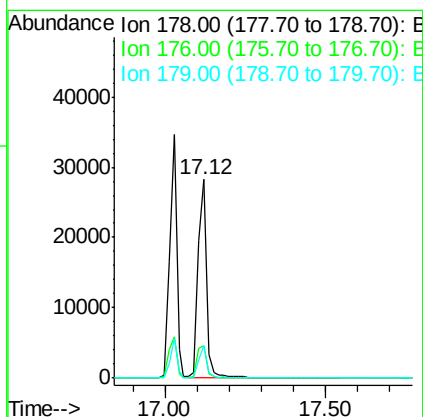
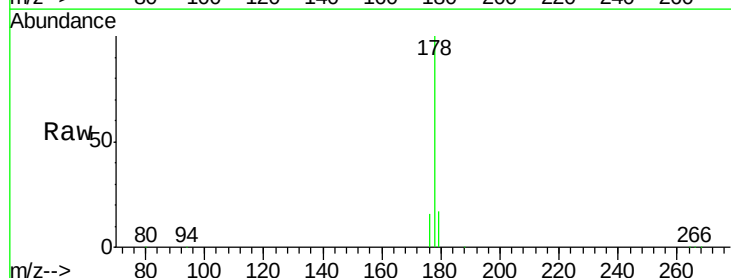
Instrument :
BNA_M
ClientSampleId :
SSTD3.238

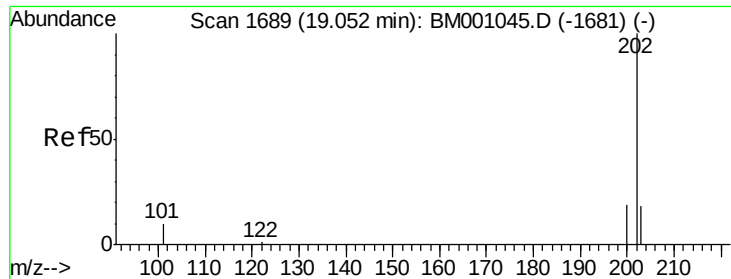
Tgt Ion:178 Resp: 51948
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.2 12.6 19.0



#17
Anthracene
Concen: 39.54 ng
RT: 17.12 min Scan# 994
Delta R.T. 0.01 min
Lab File: BM001034.D
Acq: 17 Apr 2015 15:01

Tgt Ion:178 Resp: 50547
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.2 11.8 17.8

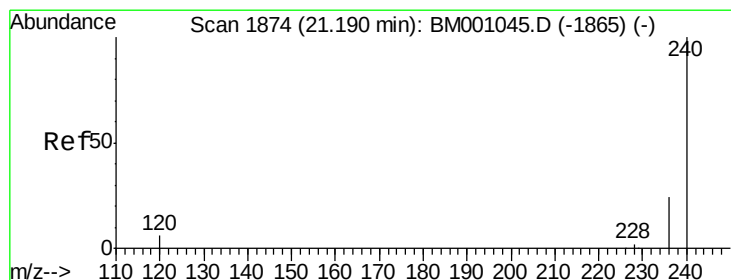
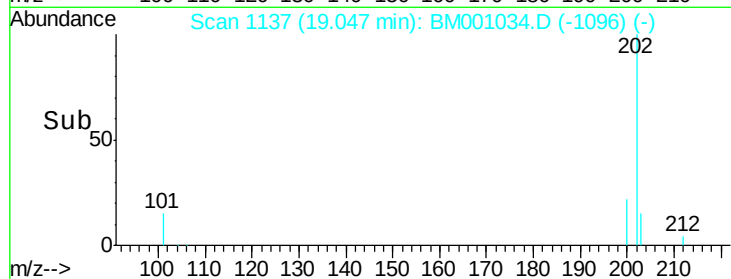
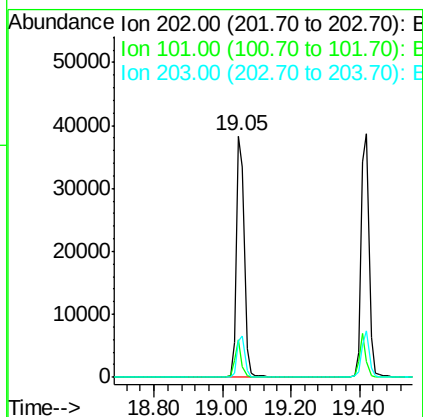
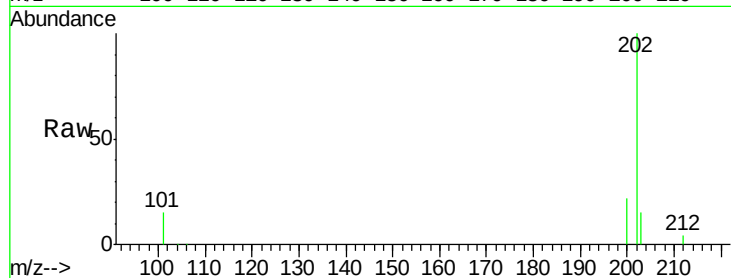




#18
 Fluoranthene
 Concen: 42.16 ng
 RT: 19.05 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

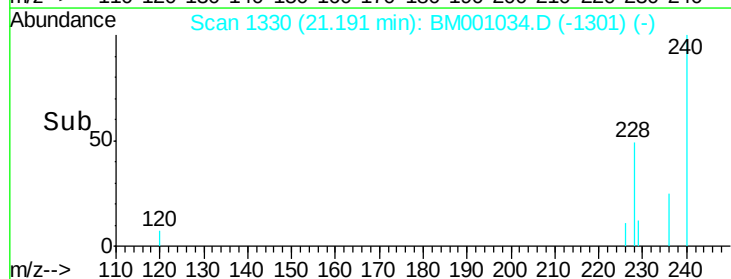
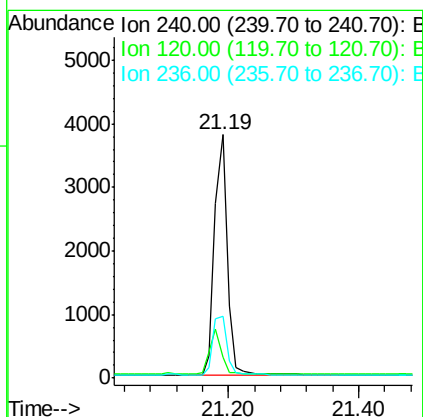
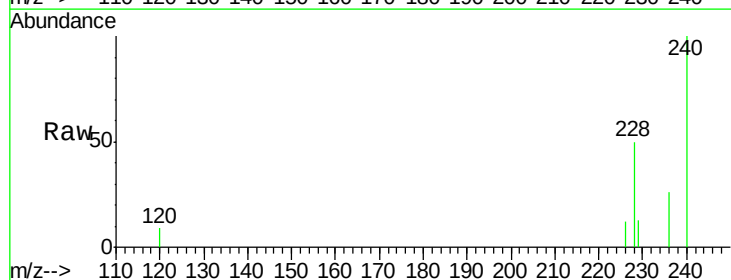
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.238

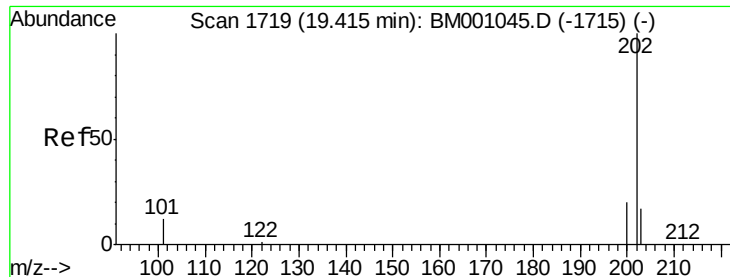
Tgt Ion: 202 Resp: 60988
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.1 15.1
 203 17.3 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

Tgt Ion: 240 Resp: 5113
 Ion Ratio Lower Upper
 240 100
 120 8.5 4.6 6.8#
 236 25.6 19.1 28.7

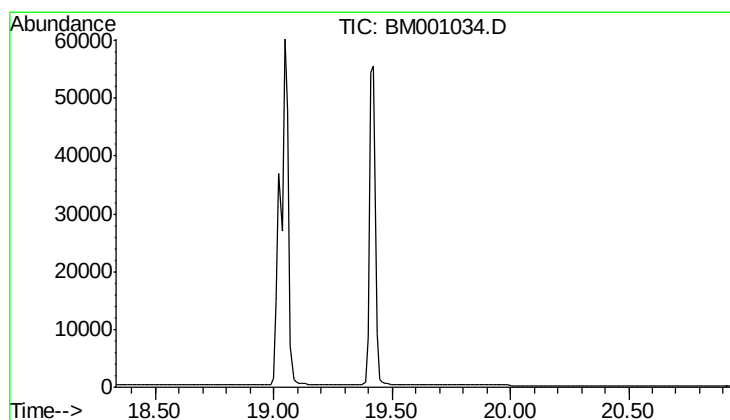
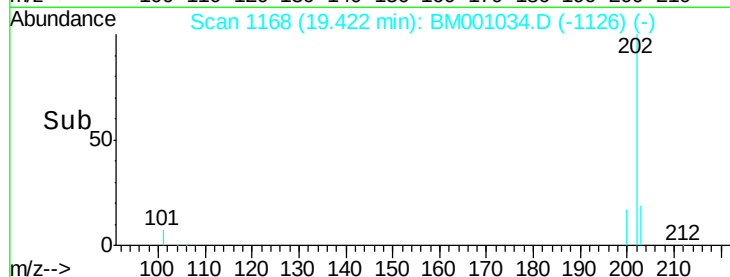
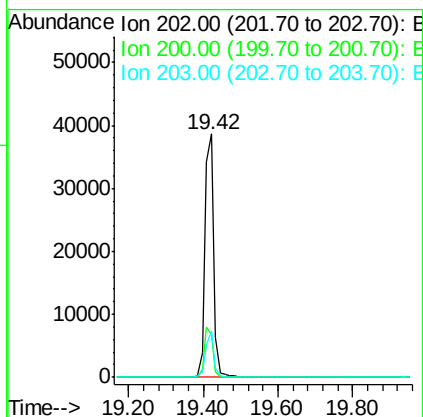
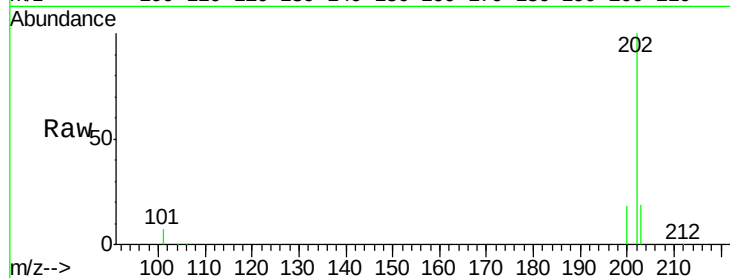




#20
 Pyrene
 Concen: Below Cal
 RT: 19.42 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.238

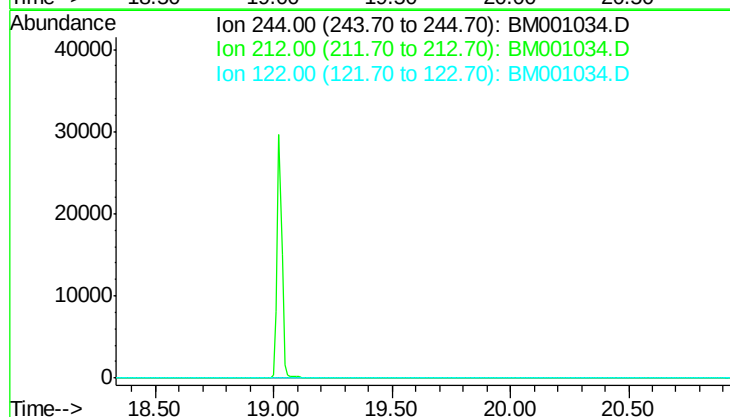
Tgt Ion: 202 Resp: 61898
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.3 24.5
 203 17.6 13.8 20.6

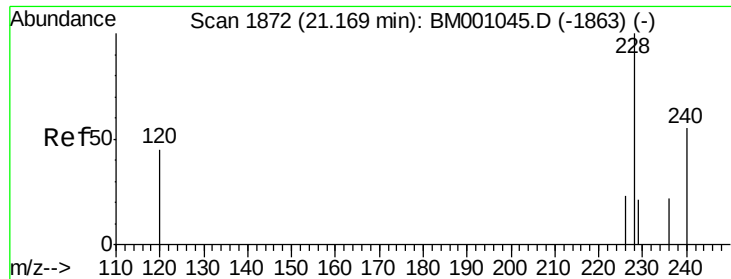


#21
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.63 min

Lab File: BM001034.D
 Acq: 17 Apr 2015 15:01

Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 8.9
 122 7.4





#22

Benzo(a)anthracene

Concen: Below Cal

RT: 21.17 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

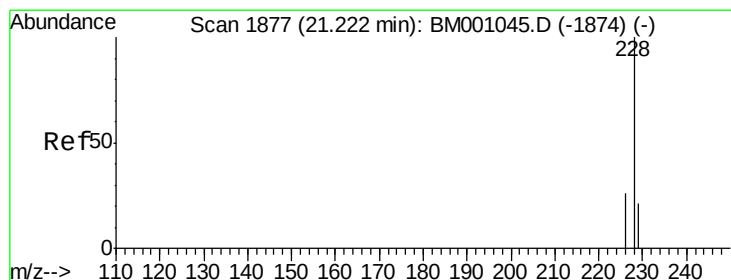
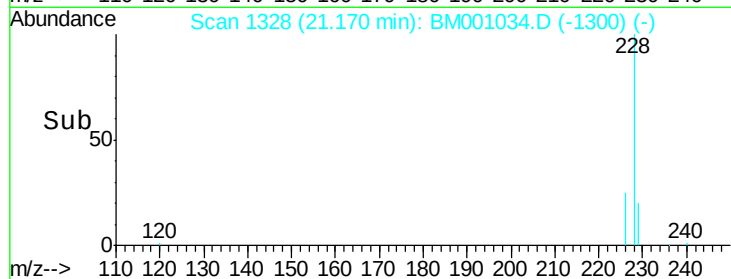
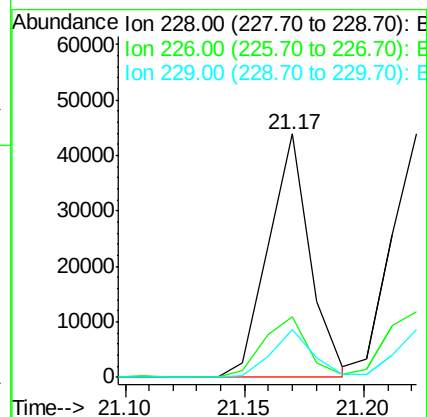
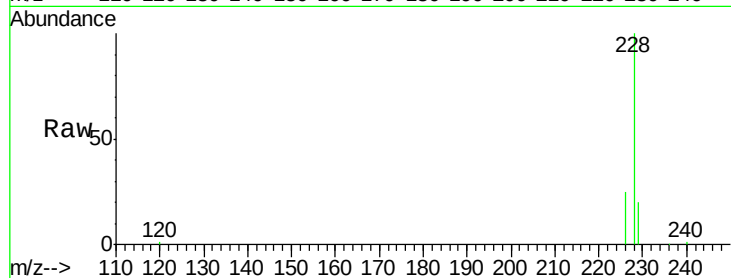
Tgt Ion:228 Resp: 53472

Ion Ratio Lower Upper

228 100

226 24.6 19.0 28.6

229 19.7 16.8 25.2



#23

Chrysene

Concen: Below Cal

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

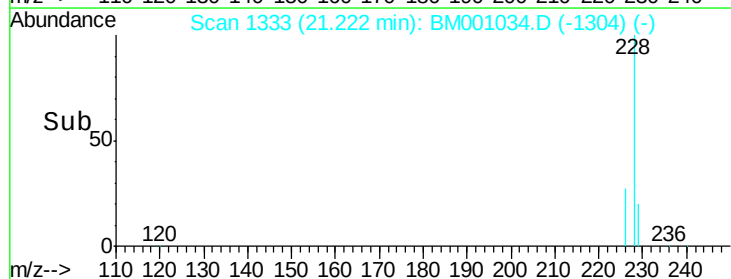
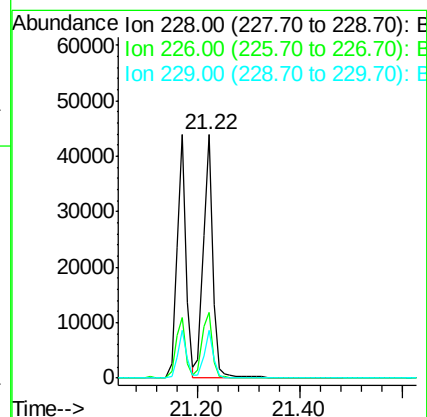
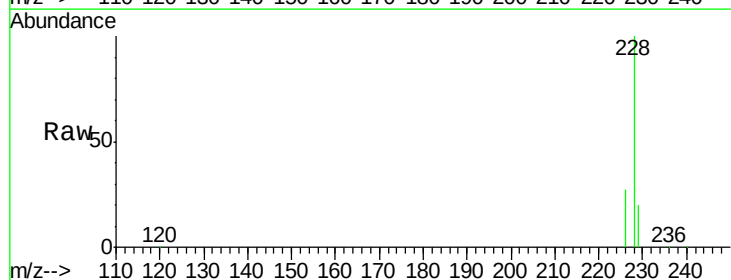
Tgt Ion:228 Resp: 56330

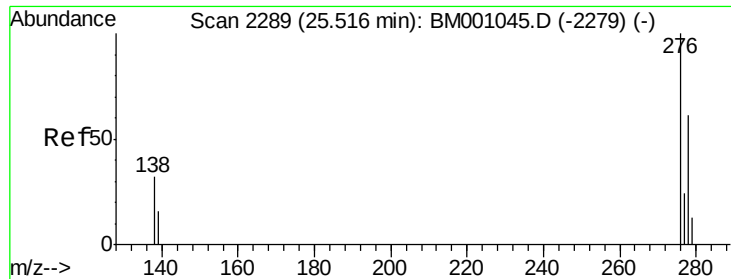
Ion Ratio Lower Upper

228 100

226 26.8 20.6 31.0

229 19.9 17.2 25.8





#24

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 25.52 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

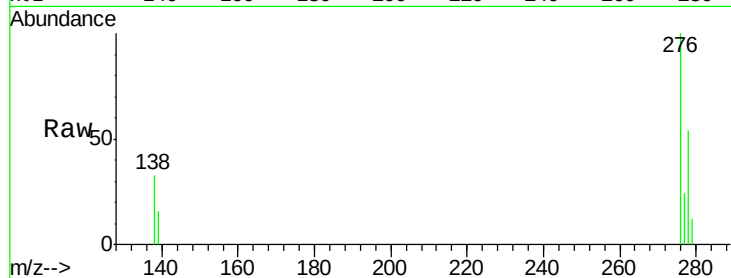
Tgt Ion:276 Resp: 56263

Ion Ratio Lower Upper

276 100

138 33.4 26.3 39.5

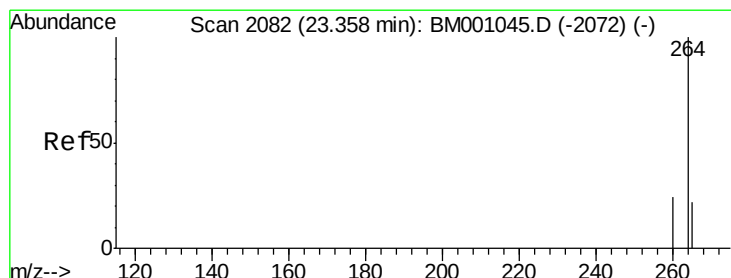
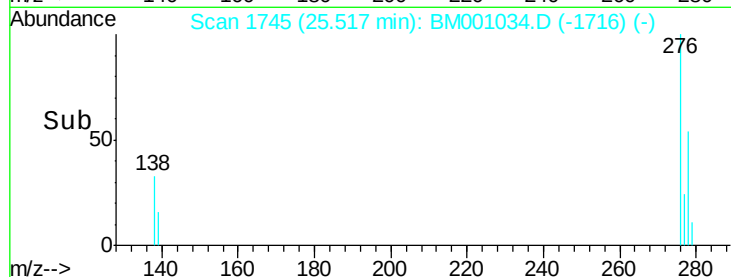
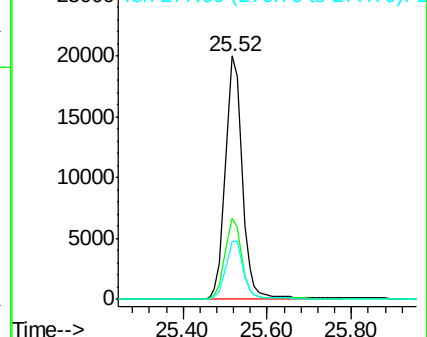
277 24.6 19.5 29.3



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

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

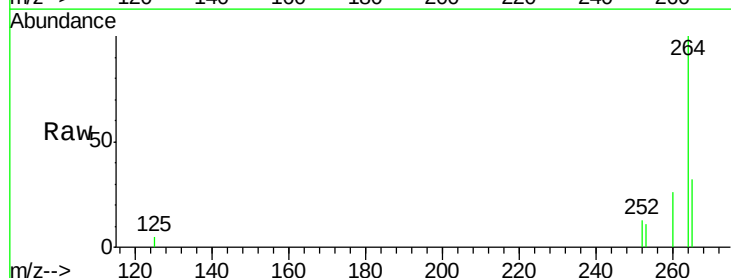
Tgt Ion:264 Resp: 4362

Ion Ratio Lower Upper

264 100

260 26.5 19.0 28.6

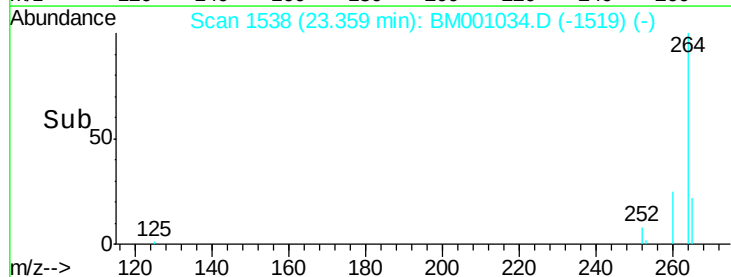
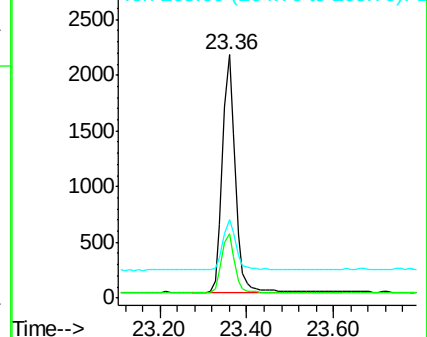
265 32.5 17.9 26.9#

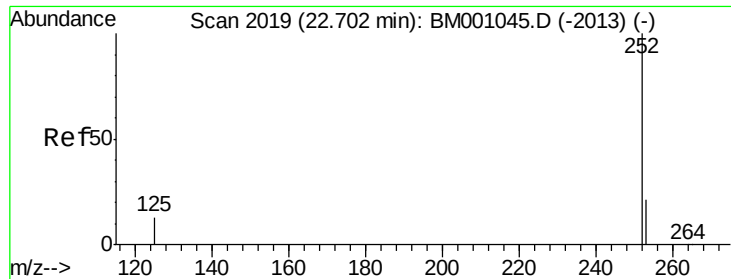


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: Below Cal

RT: 22.70 min Scan# 1475

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

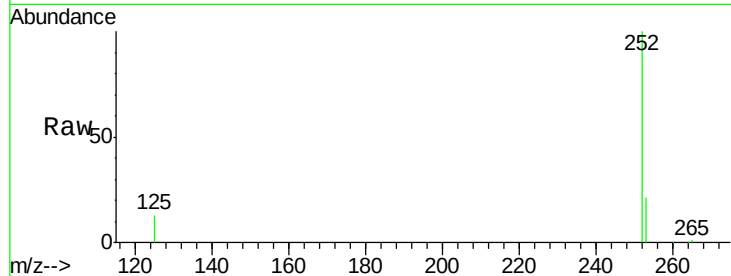
Tgt Ion:252 Resp: 52897

Ion Ratio Lower Upper

252 100

253 21.3 18.2 27.2

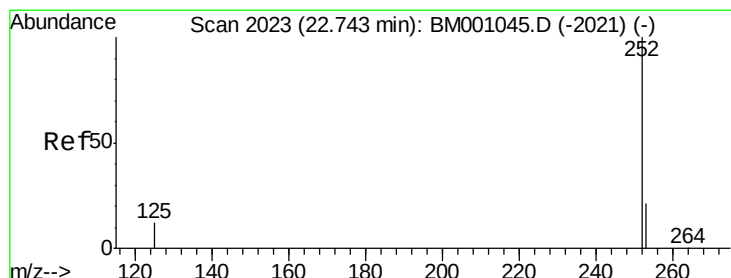
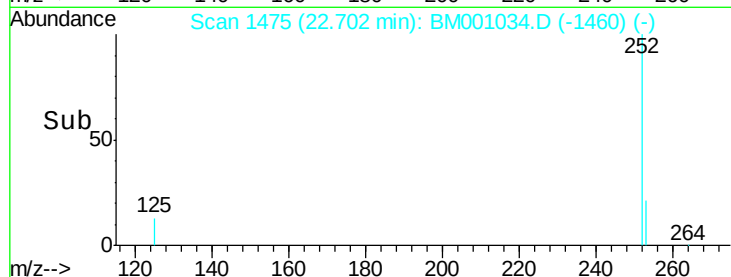
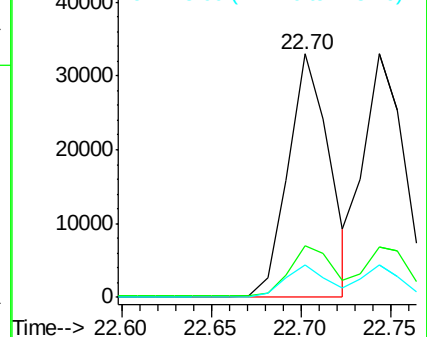
125 13.4 10.9 16.3



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: Below Cal

RT: 22.74 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

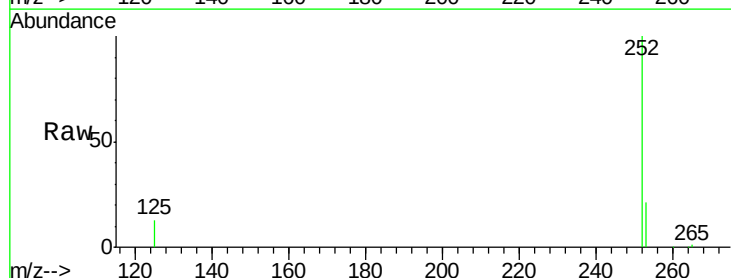
Tgt Ion:252 Resp: 53681

Ion Ratio Lower Upper

252 100

253 20.8 18.3 27.5

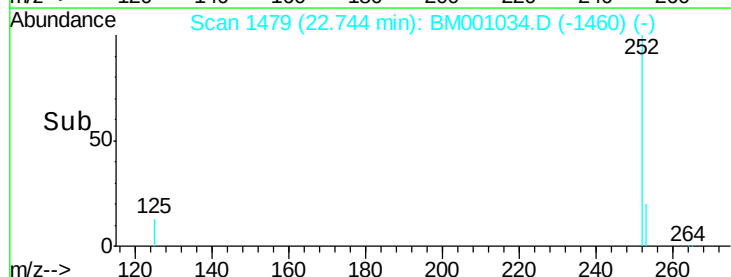
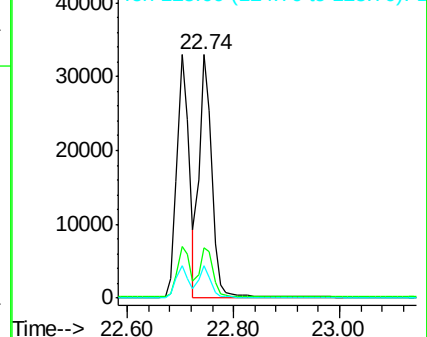
125 13.4 10.6 15.8

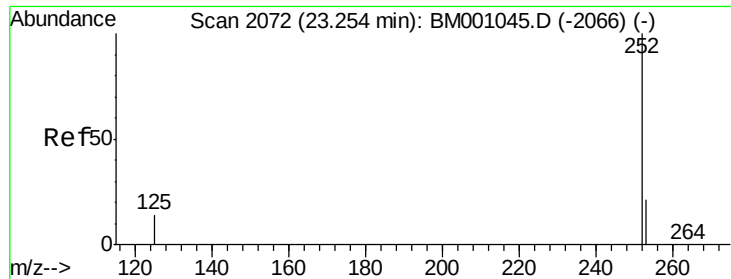


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Benzo(a)pyrene

Concen: Below Cal

RT: 23.25 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238

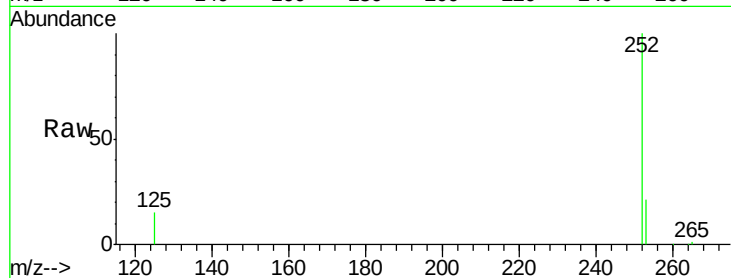
Tgt Ion:252 Resp: 49841

Ion Ratio Lower Upper

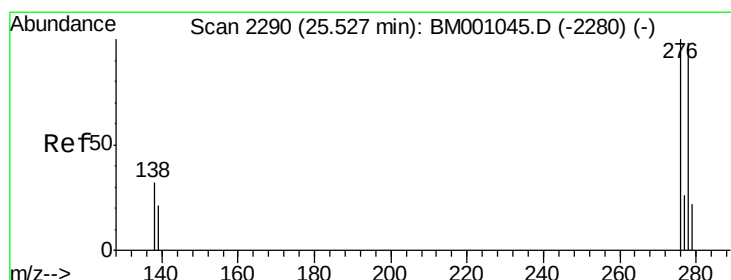
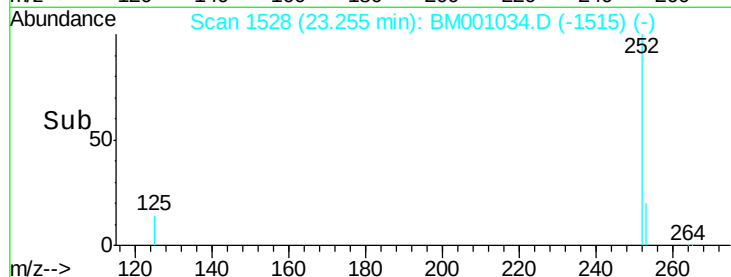
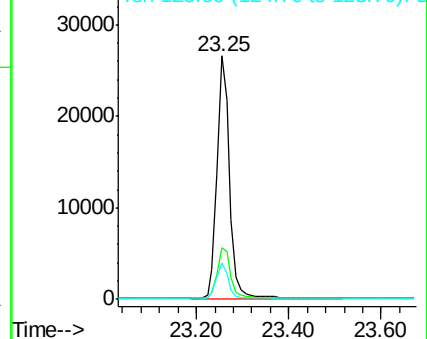
252 100

253 21.1 18.6 27.8

125 14.7 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: Below Cal

RT: 25.53 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BM001034.D

Acq: 17 Apr 2015 15:01

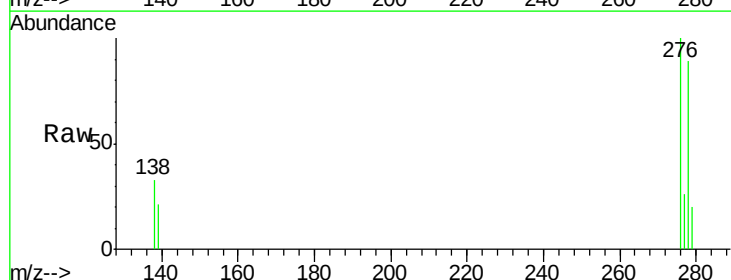
Tgt Ion:278 Resp: 45831

Ion Ratio Lower Upper

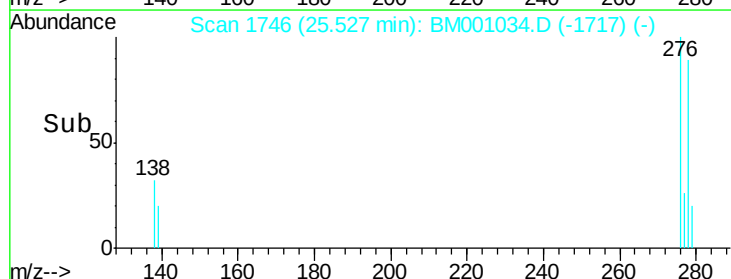
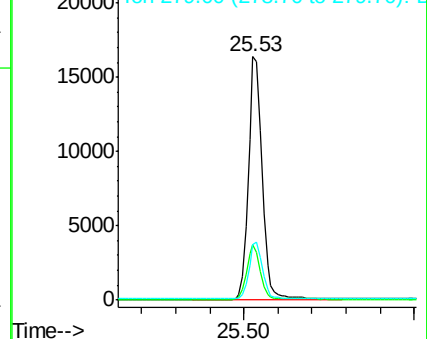
278 100

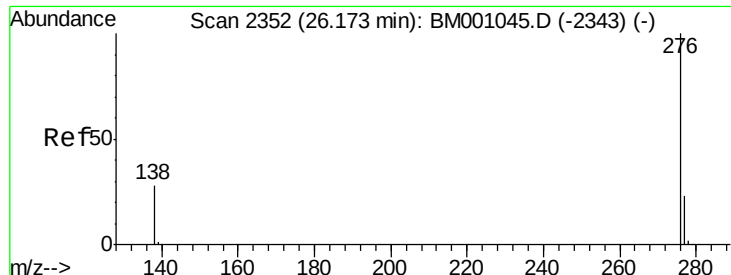
139 23.0 18.2 27.2

279 22.6 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: Below Cal

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001034.D

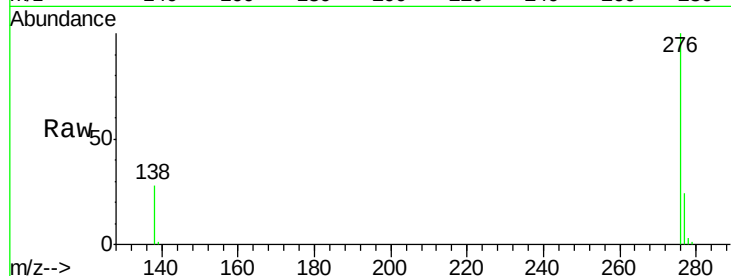
Acq: 17 Apr 2015 15:01

Instrument :

BNA_M

ClientSampleId :

SSTD3.238



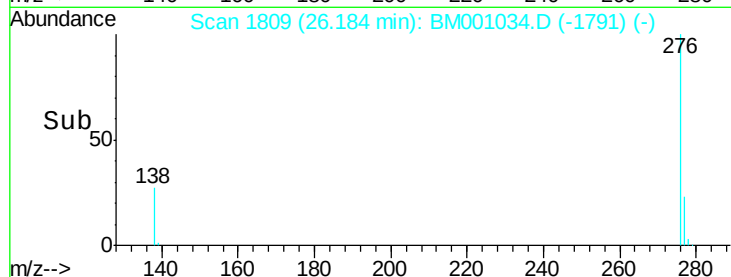
Tgt Ion: 276 Resp: 48296

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 27.6 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

