

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001027.D
 Acq On : 16 Apr 2015 21:19
 Operator : TP/IZ
 Sample : SSTD3.232
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.232

Quant Time: Apr 20 08:48:58 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	1356	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4828	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2670	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	4955	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4667	5.00	ng	0.00
25) Perylene-d12	23.36	264	3972	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

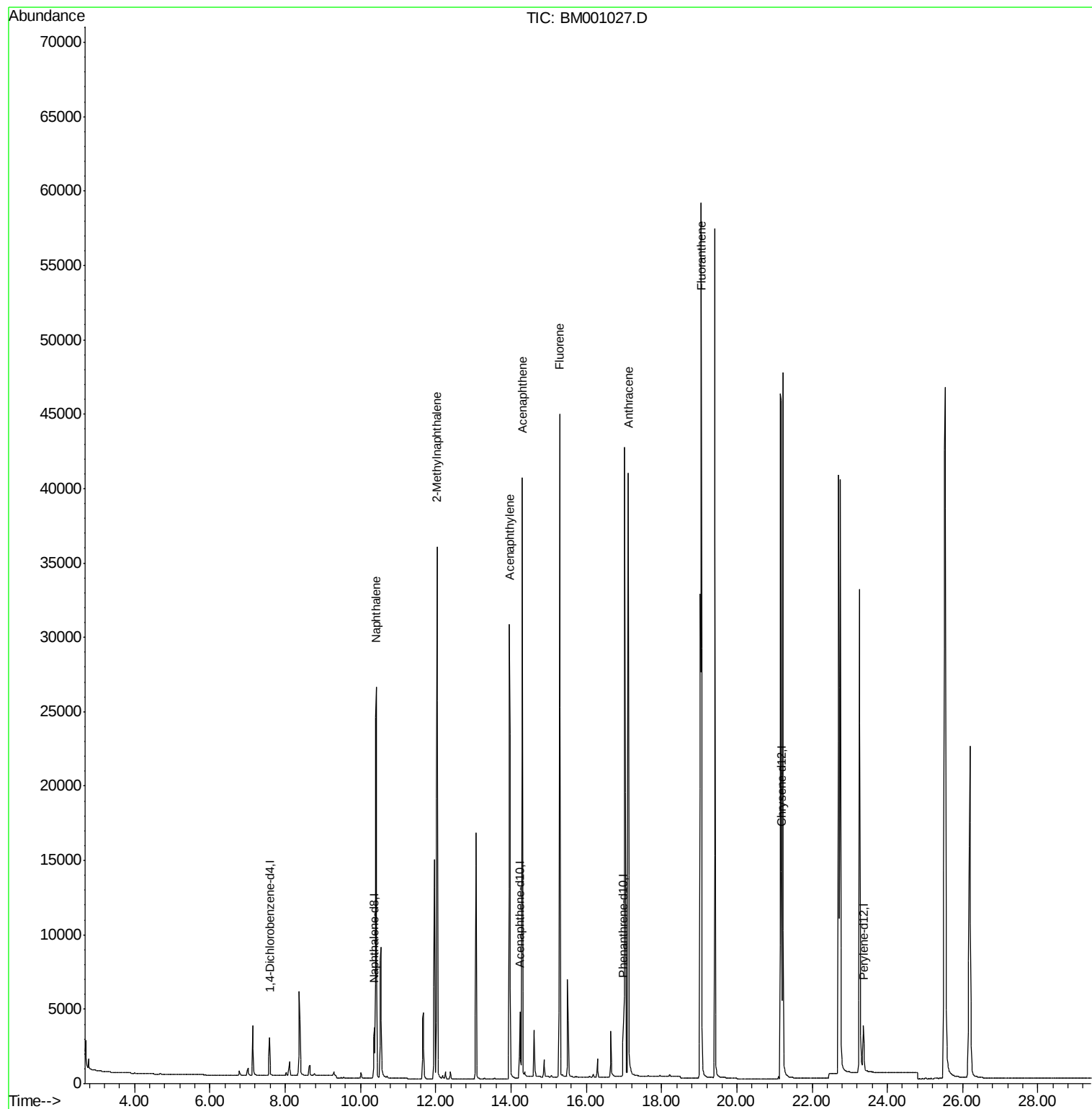
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.42	128	39352	33.96	ng	99
7) 2-Methylnaphthalene	12.03	142	26261	34.47	ng	93
10) Acenaphthylene	13.96	152	38053	23.89	ng	96
11) Acenaphthene	14.30	154	23202	27.67	ng	95
12) Fluorene	15.29	166	31034	31.85	ng	100
15) Pentachlorophenol	16.65	266	2514	Below Cal		87
16) Phenanthrene	17.02	178	47127	Below Cal		99
17) Anthracene	17.12	178	46029	39.81	ng	99
18) Fluoranthene	19.05	202	54937	41.98	ng	100
20) Pyrene	19.42	202	55478	Below Cal		99
22) Benzo(a)anthracene	21.23	228	49548	Below Cal		98
23) Chrysene	21.23	228	49802	Below Cal		99
24) Indeno(1,2,3-cd)pyrene	25.52	276	51348	Below Cal		99
26) Benzo(b)fluoranthene	22.71	252	48252	Below Cal		98
27) Benzo(k)fluoranthene	22.75	252	47796	Below Cal		98
28) Benzo(a)pyrene	23.26	252	44730	Below Cal		98
29) Dibenzo(a,h)anthracene	25.54	278	41613	Below Cal		97
30) Benzo(g,h,i)perylene	26.19	276	44295	Below Cal		98

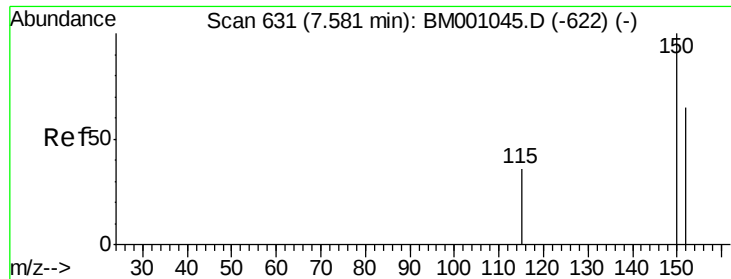
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

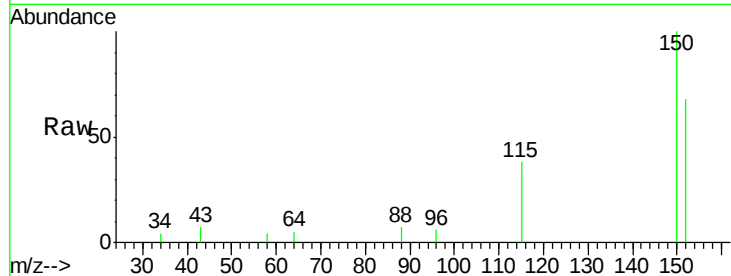
Tgt Ion:152 Resp: 1356

Ion Ratio Lower Upper

152 100

150 146.6 123.3 184.9

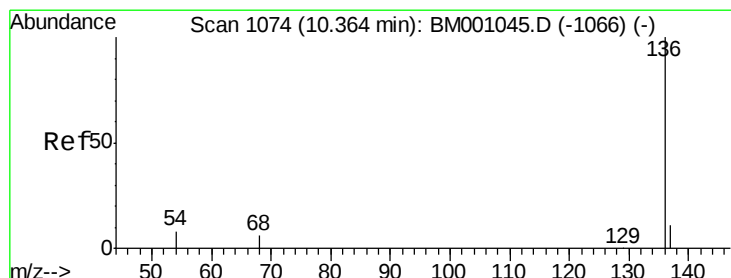
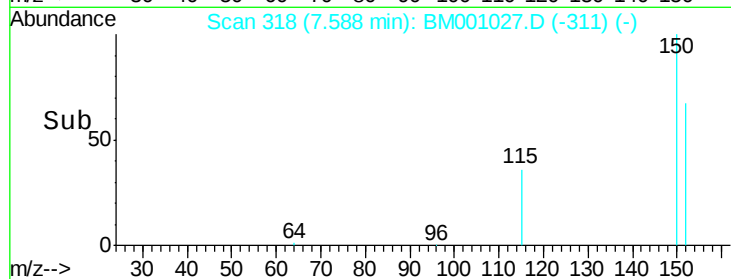
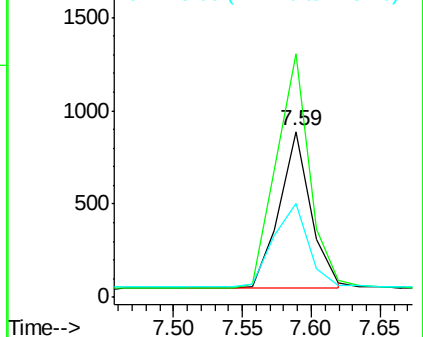
115 56.4 45.0 67.6



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: 10.37 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

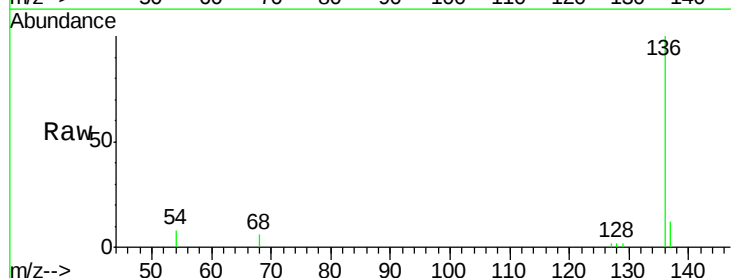
Tgt Ion:136 Resp: 4828

Ion Ratio Lower Upper

136 100

137 12.4 8.6 13.0

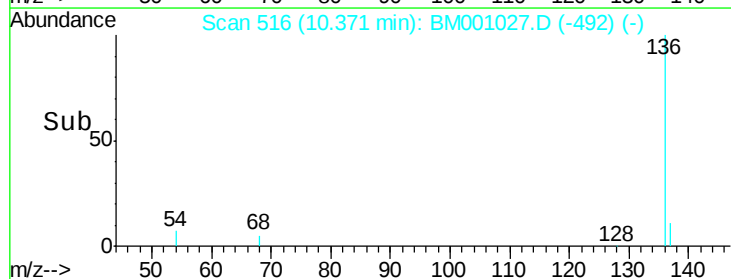
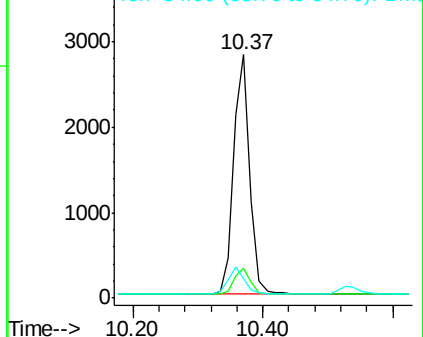
54 8.3 6.5 9.7

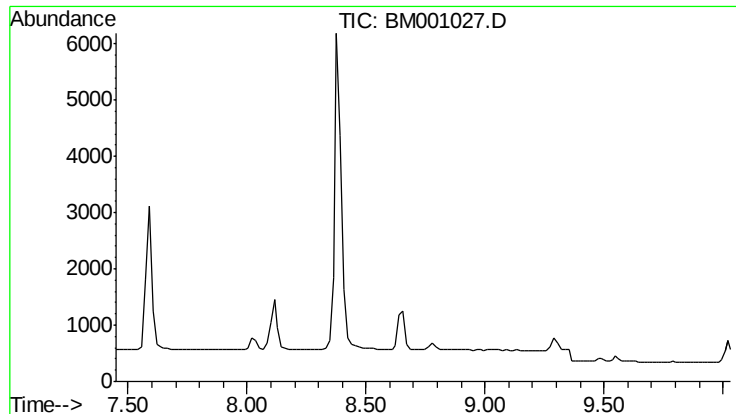


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



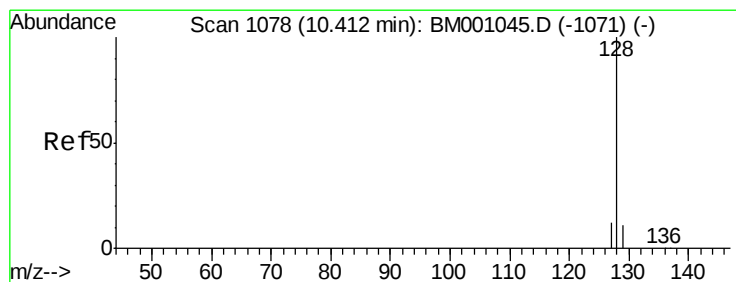
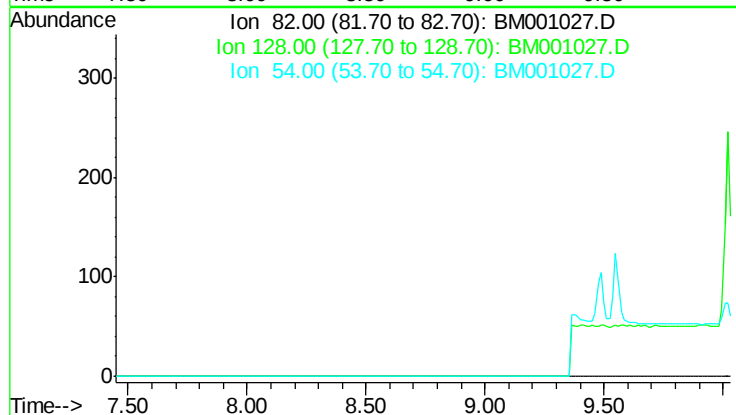


#5
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.74 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.232

Tgt Ion: 82

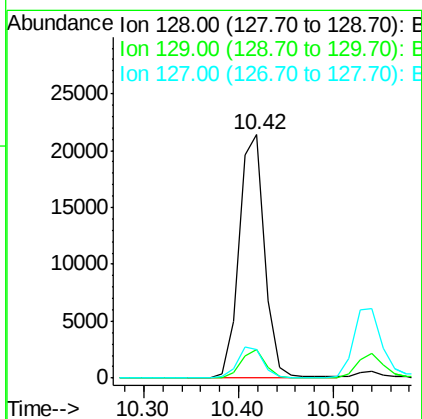
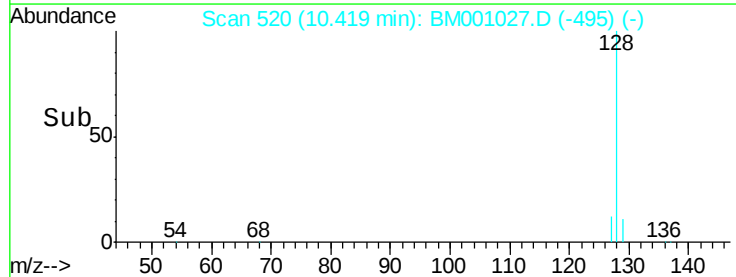
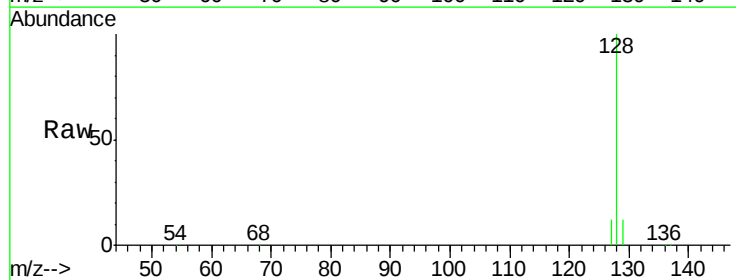
Sig	Exp Ratio
82	100
128	39.9
54	64.1

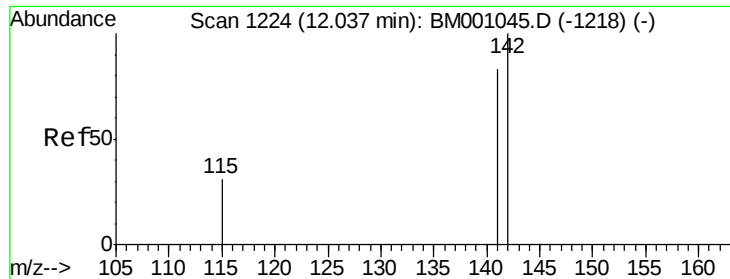


#6
 Naphthalene
 Concen: 33.96 ng
 RT: 10.42 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

Tgt Ion: 128 Resp: 39352

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	11.8	10.0	15.0





#7

2-Methylnaphthalene

Concen: 34.47 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

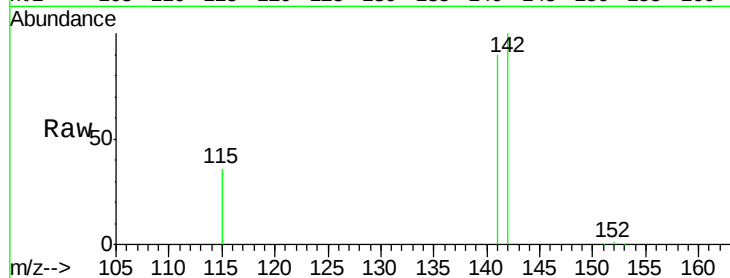
Tgt Ion:142 Resp: 26261

Ion Ratio Lower Upper

142 100

141 90.0 66.7 100.1

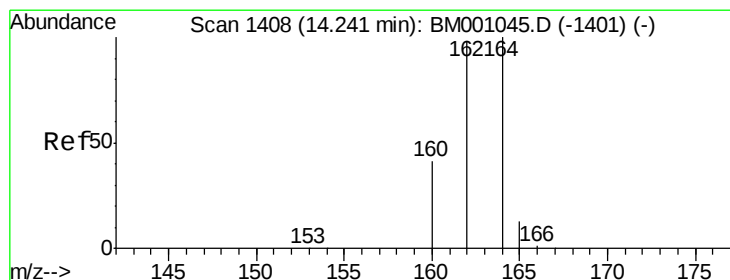
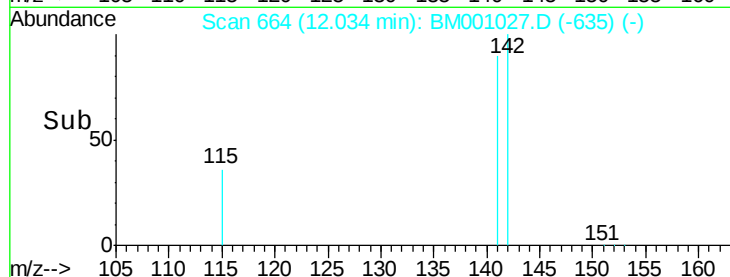
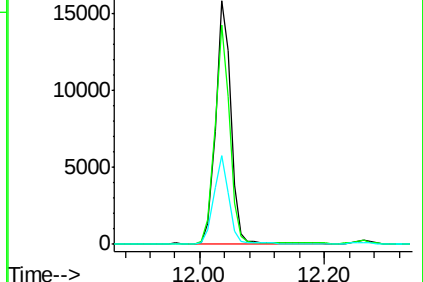
115 36.2 25.5 38.3



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# 875

Delta R.T. -0.00 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

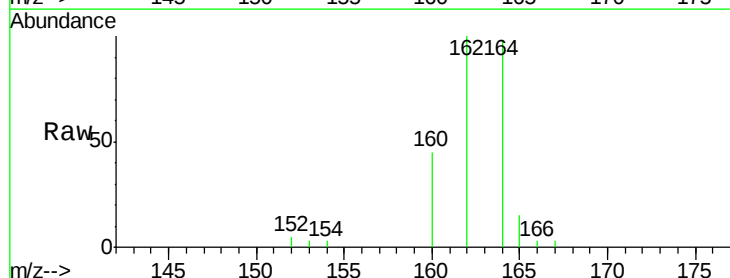
Tgt Ion:164 Resp: 2670

Ion Ratio Lower Upper

164 100

162 102.4 78.5 117.7

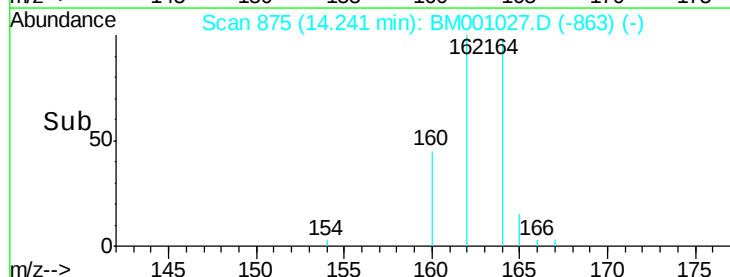
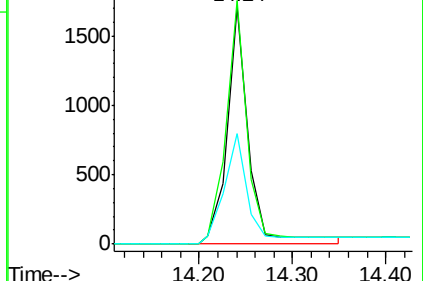
160 46.5 32.9 49.3

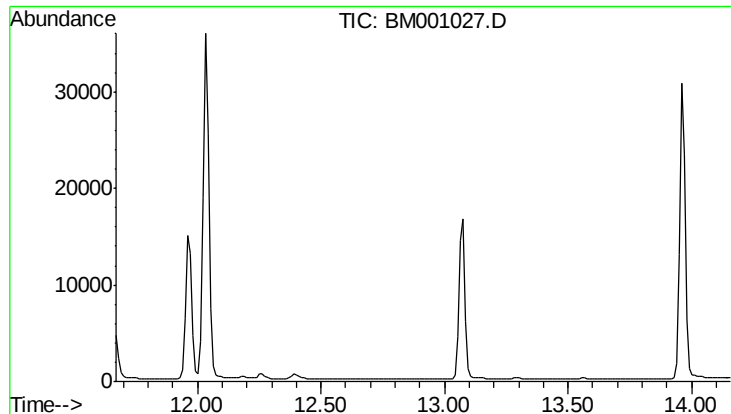


Abundance Ion 164.00 (163.70 to 164.70): E

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: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

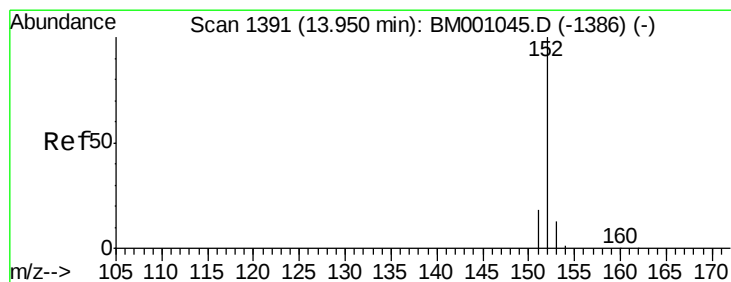
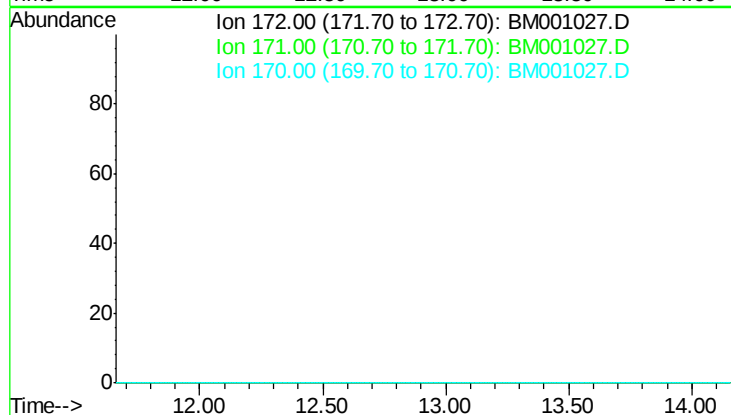
Tgt Ion: 172

Sig Exp Ratio

172 100

171 32.0

170 19.7



#10

Acenaphthylene

Concen: 23.89 ng

RT: 13.96 min Scan# 849

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

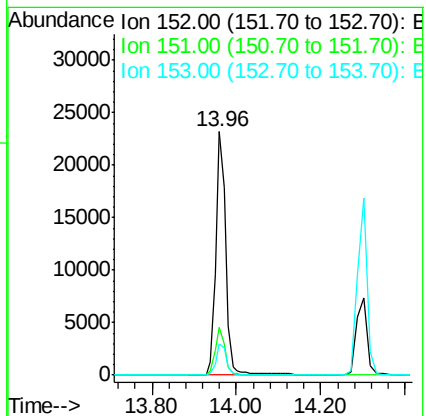
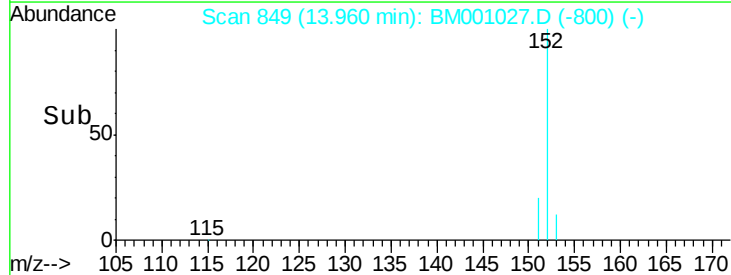
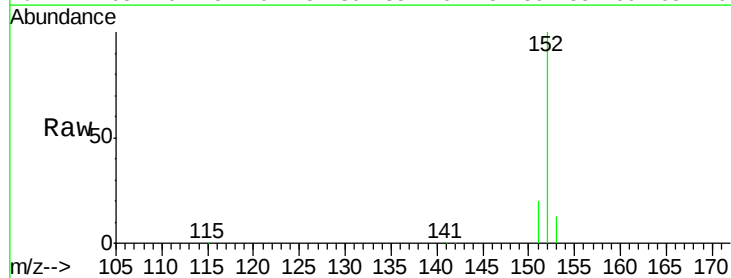
Tgt Ion: 152 Resp: 38053

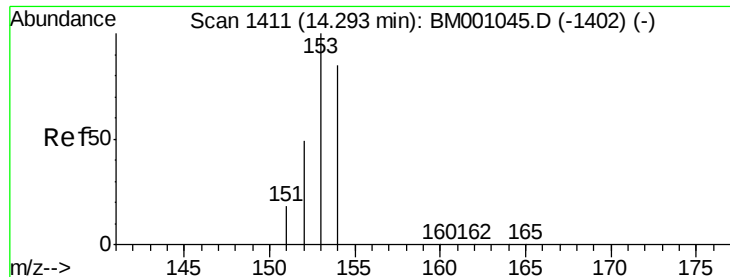
Ion Ratio Lower Upper

152 100

151 20.9 14.7 22.1

153 12.6 10.2 15.2





#11

Acenaphthene

Concen: 27.67 ng

RT: 14.30 min Scan# 879

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

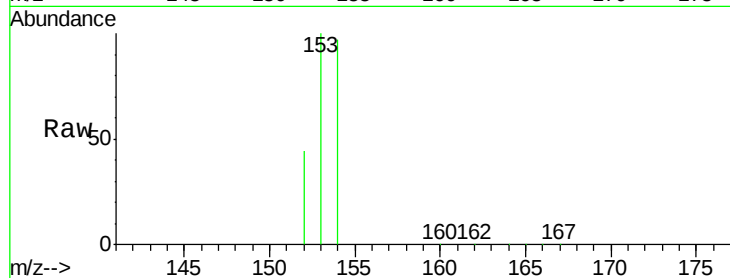
Tgt Ion:154 Resp: 23202

Ion Ratio Lower Upper

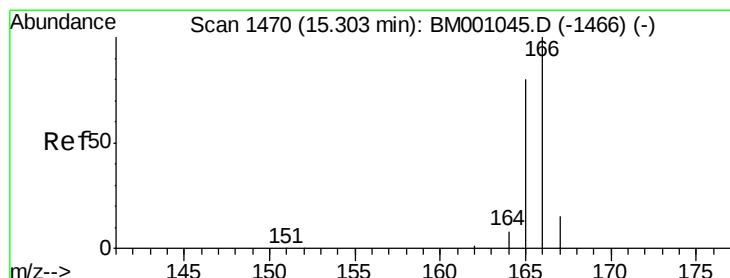
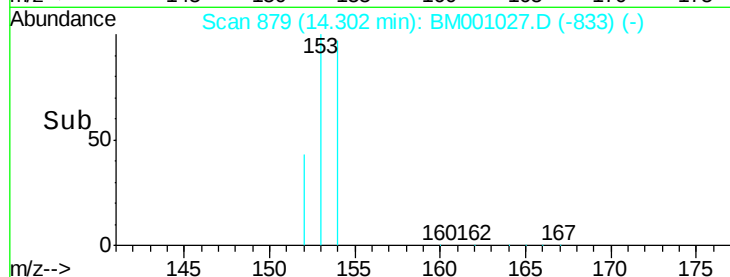
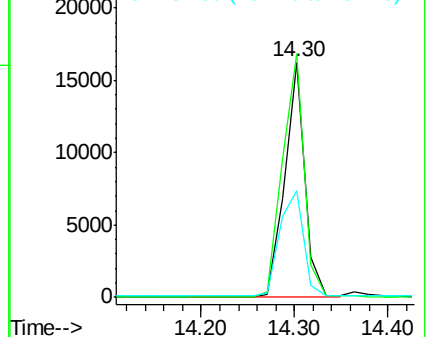
154 100

153 115.9 88.1 132.1

152 56.7 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: 31.85 ng

RT: 15.29 min Scan# 943

Delta R.T. -0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

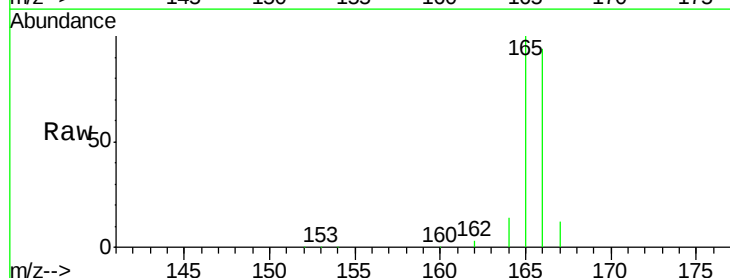
Tgt Ion:166 Resp: 31034

Ion Ratio Lower Upper

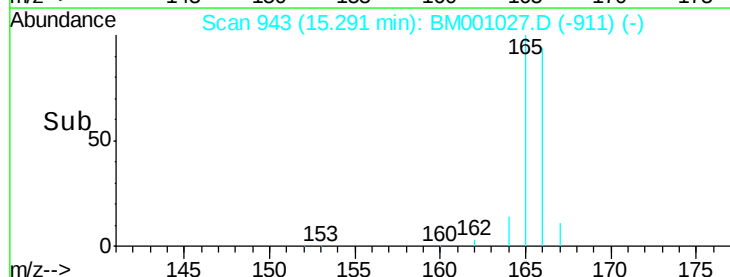
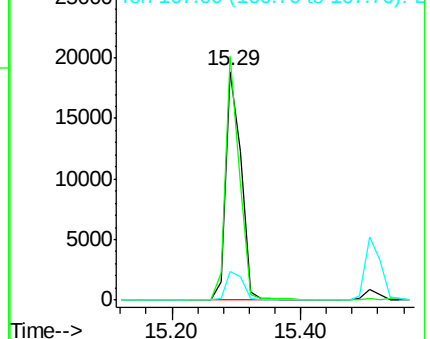
166 100

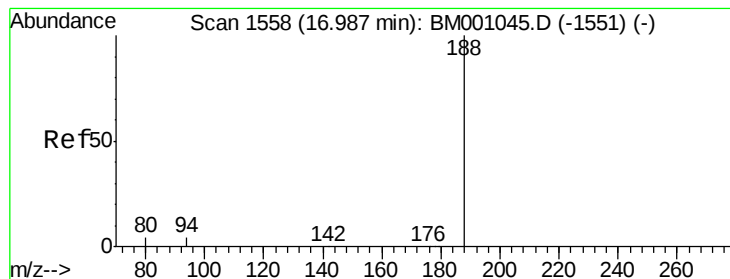
165 97.1 77.6 116.4

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# 1053

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

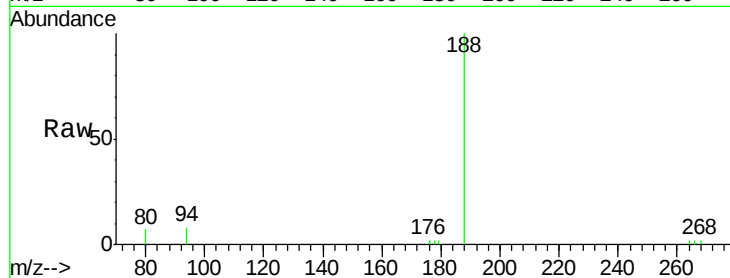
Tgt Ion:188 Resp: 4955

Ion Ratio Lower Upper

188 100

94 7.9 3.6 5.4#

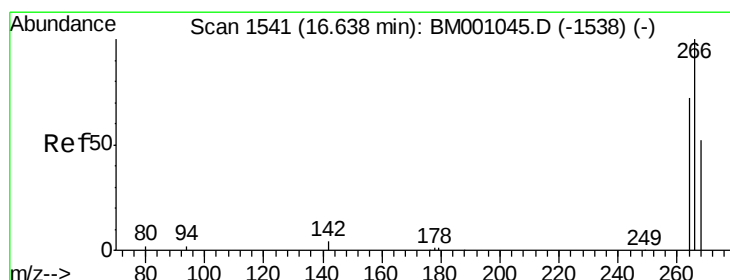
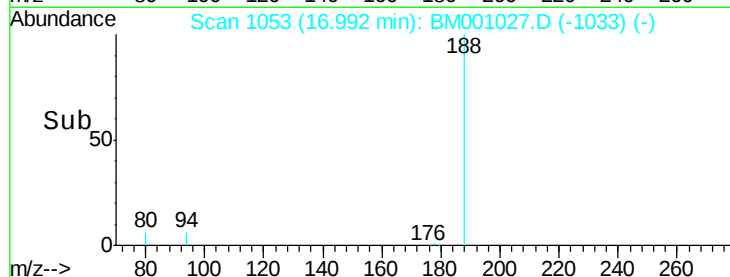
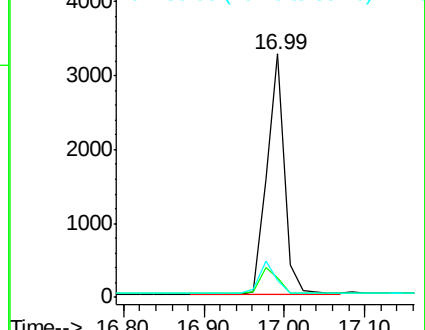
80 7.3 3.0 4.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#15

Pentachlorophenol

Concen: Below Cal

RT: 16.65 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

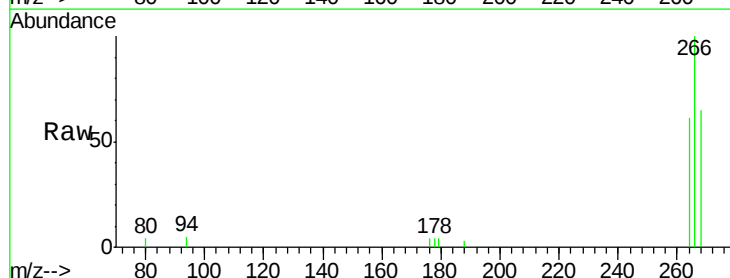
Tgt Ion:266 Resp: 2514

Ion Ratio Lower Upper

266 100

268 64.6 46.3 69.5

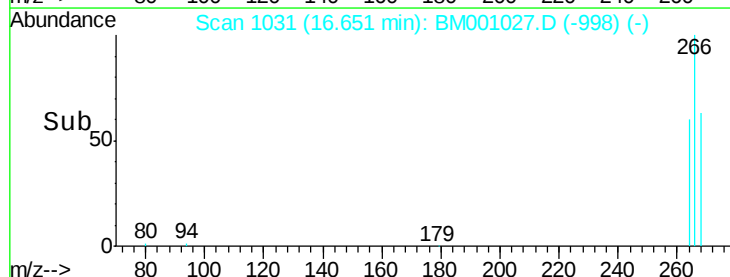
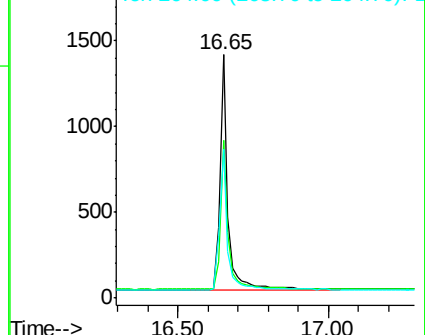
264 61.2 59.8 89.6

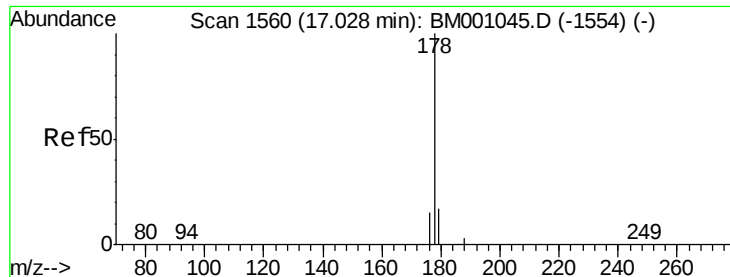


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#16

Phenanthrene

Concen: Below Cal

RT: 17.02 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

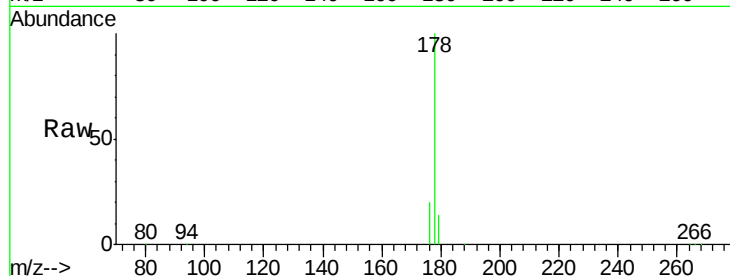
Tgt Ion:178 Resp: 47127

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

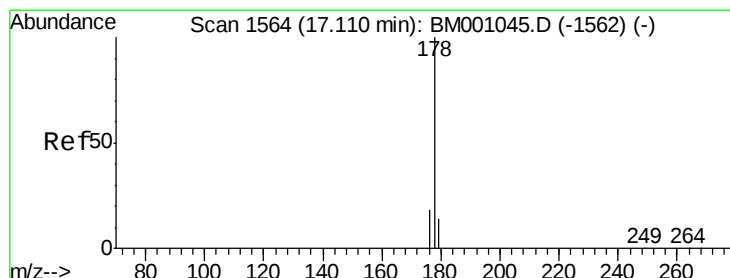
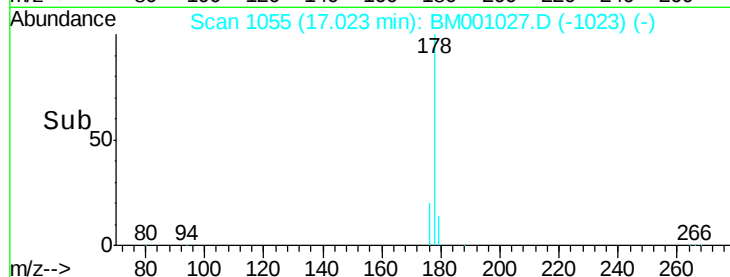
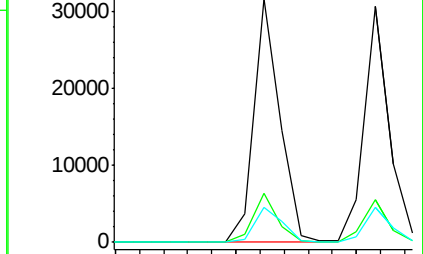
179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Anthracene

Concen: 39.81 ng

RT: 17.12 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

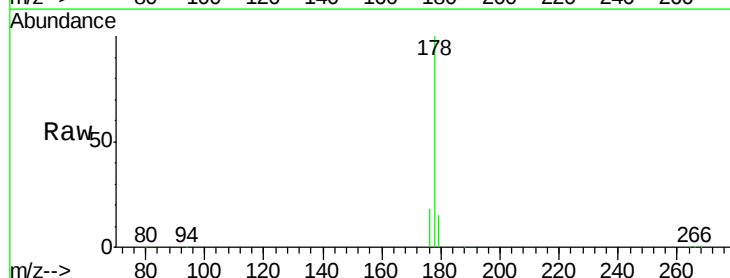
Tgt Ion:178 Resp: 46029

Ion Ratio Lower Upper

178 100

176 17.7 14.3 21.5

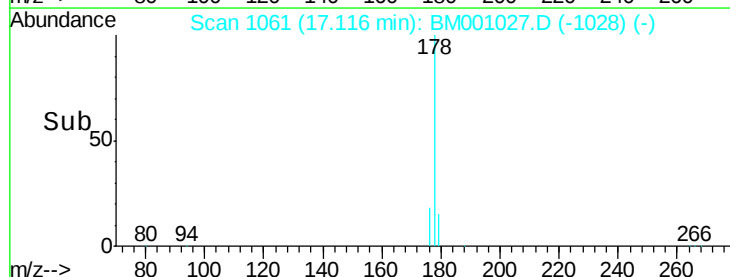
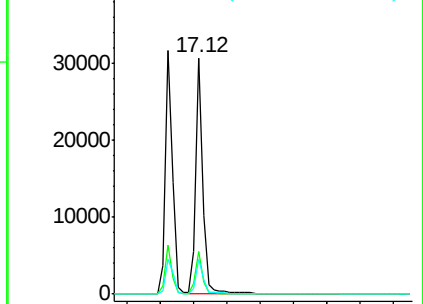
179 15.3 11.8 17.8

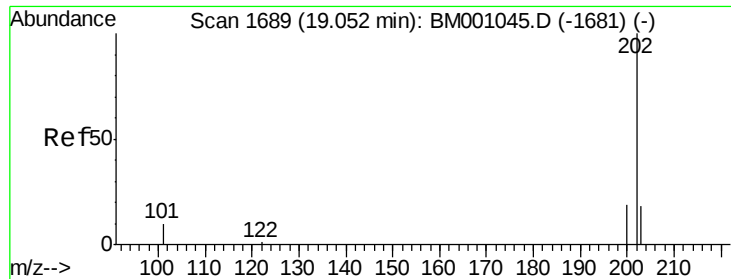


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

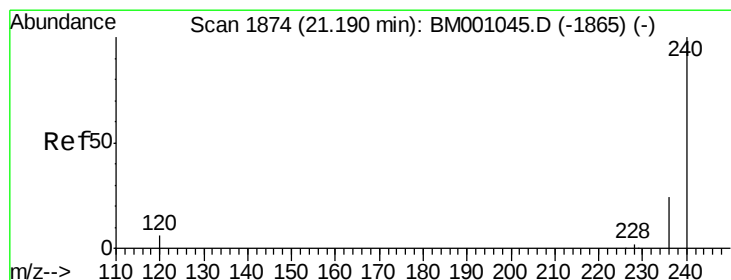
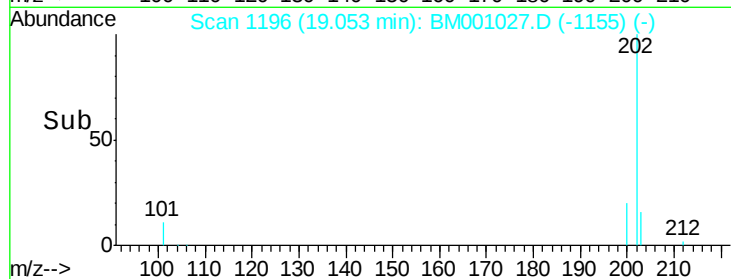
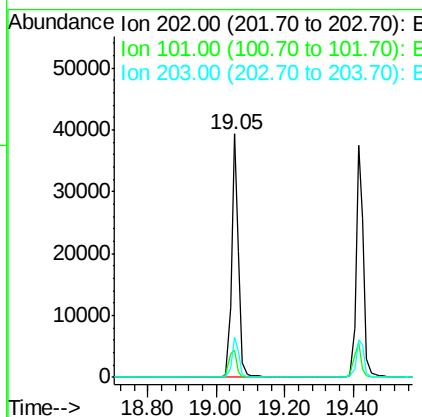
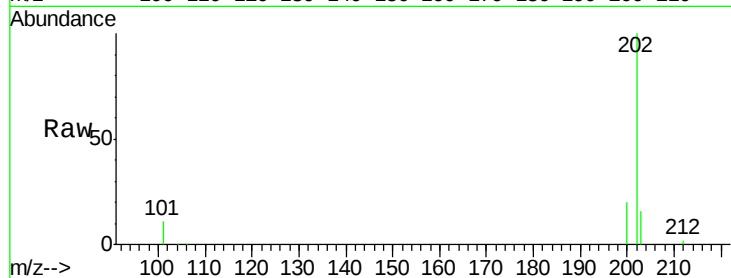




#18
 Fluoranthene
 Concen: 41.98 ng
 RT: 19.05 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

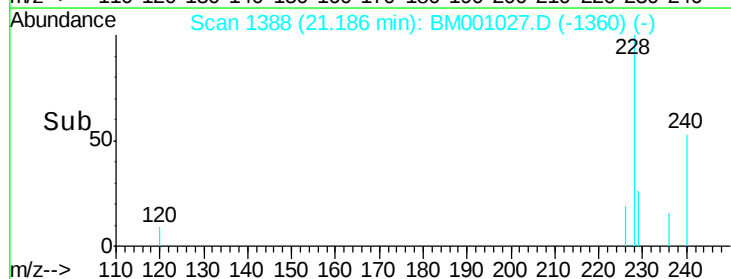
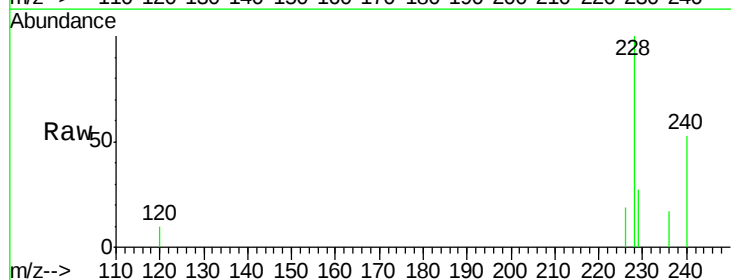
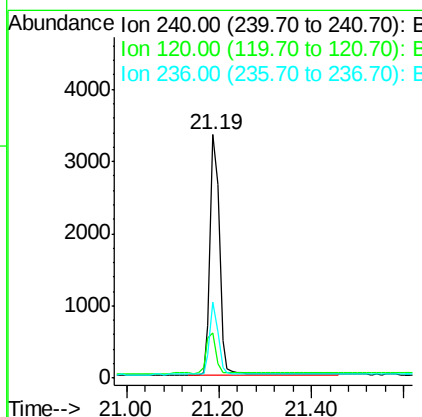
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.232

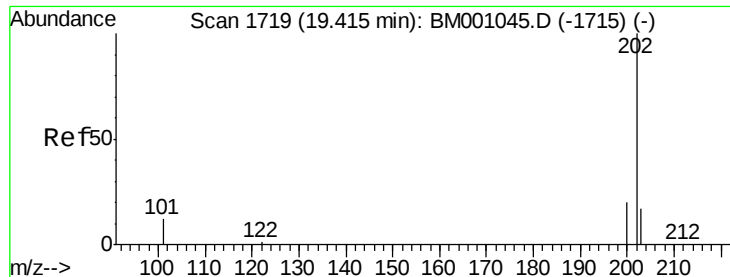
Tgt Ion:202 Resp: 54937
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.1 15.1
 203 17.4 13.8 20.8



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

Tgt Ion:240 Resp: 4667
 Ion Ratio Lower Upper
 240 100
 120 18.8 4.6 6.8#
 236 31.0 19.1 28.7#

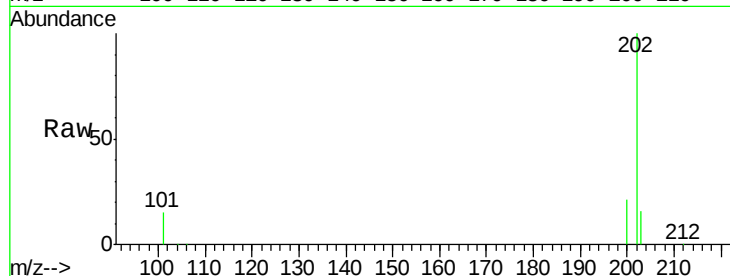




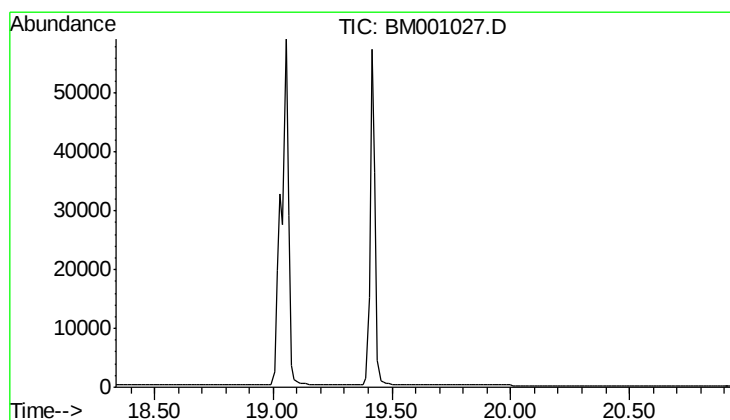
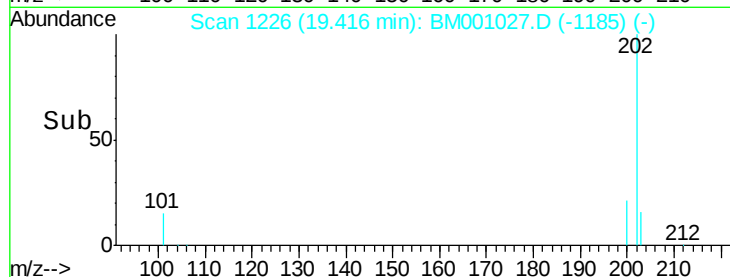
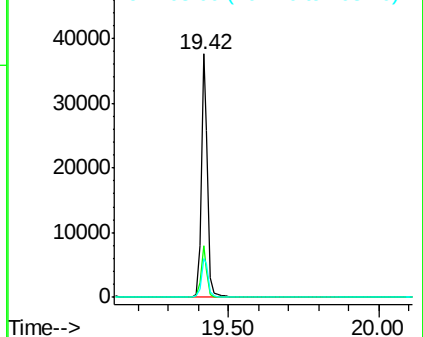
#20
Pyrene
Concen: Below Cal
RT: 19.42 min Scan# 1226
Delta R.T. 0.00 min
Lab File: BM001027.D
Acq: 16 Apr 2015 21:19

Instrument :
BNA_M
ClientSampleId :
SSTD3.232

Tgt Ion: 202 Resp: 55478
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.7 13.8 20.6



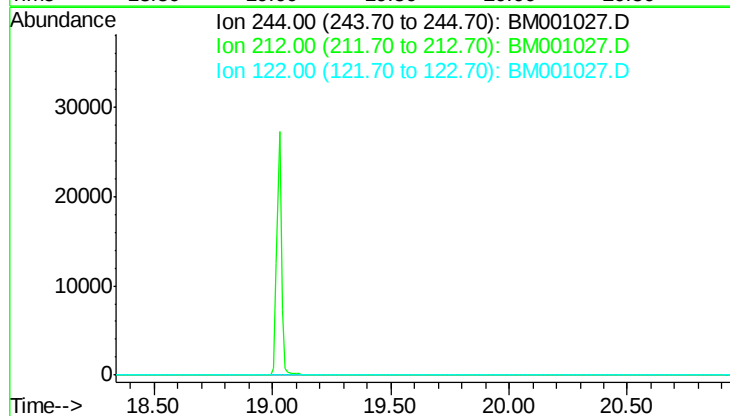
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

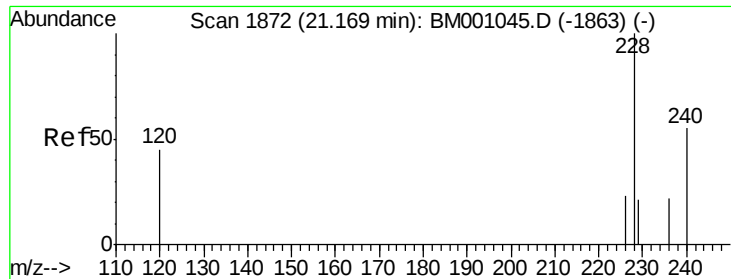


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001027.D
Acq: 16 Apr 2015 21:19

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

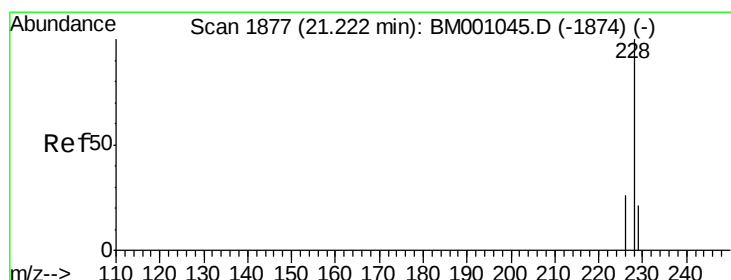
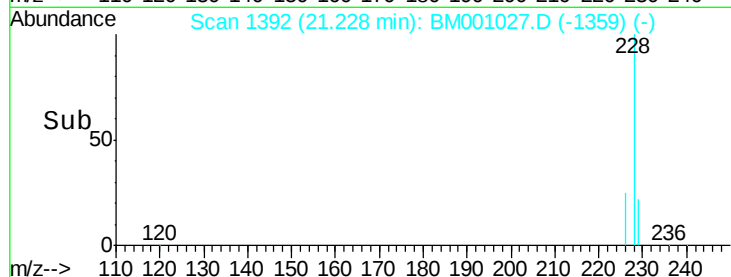
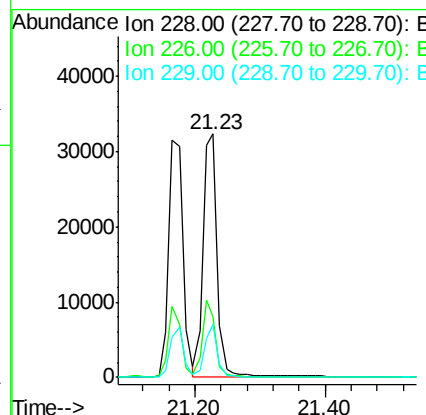
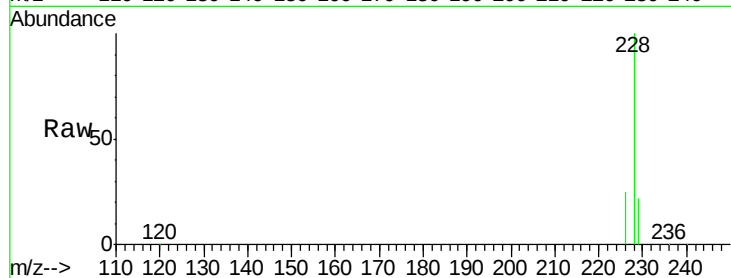




#22
Benzo(a)anthracene
Concen: Below Cal
RT: 21.23 min Scan# 1392
Delta R.T. 0.06 min
Lab File: BM001027.D
Acq: 16 Apr 2015 21:19

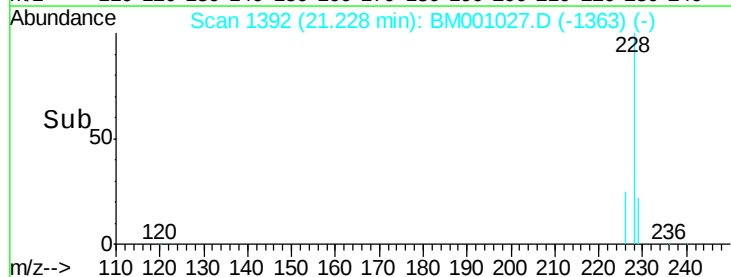
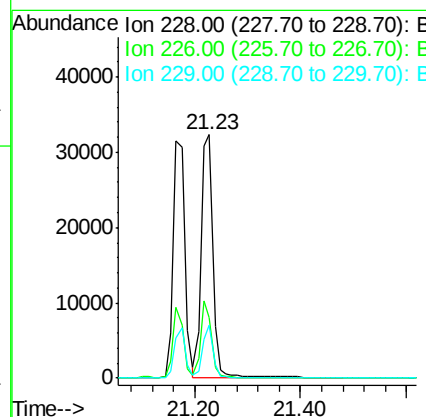
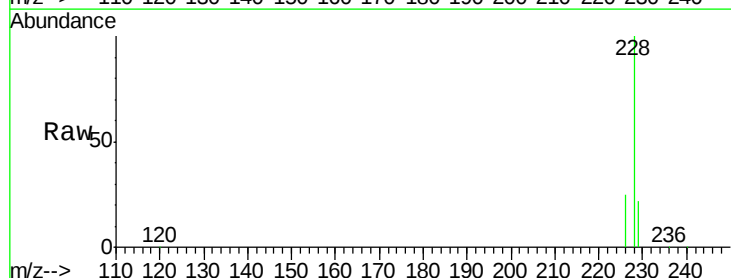
Instrument :
BNA_M
ClientSampleId :
SSTD3.232

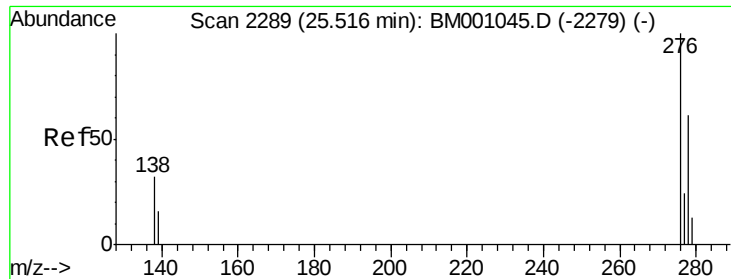
Tgt Ion:228 Resp: 49548
Ion Ratio Lower Upper
228 100
226 25.1 19.0 28.6
229 21.9 16.8 25.2



#23
Chrysene
Concen: Below Cal
RT: 21.23 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BM001027.D
Acq: 16 Apr 2015 21:19

Tgt Ion:228 Resp: 49802
Ion Ratio Lower Upper
228 100
226 25.1 20.6 31.0
229 21.9 17.2 25.8

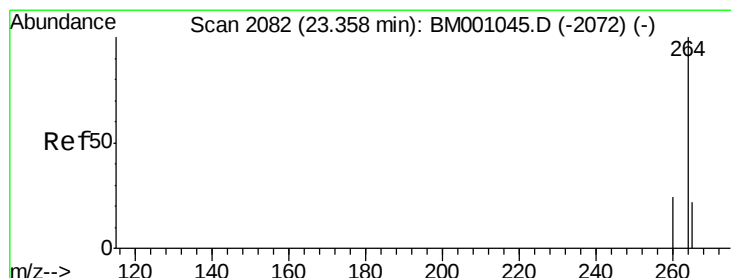
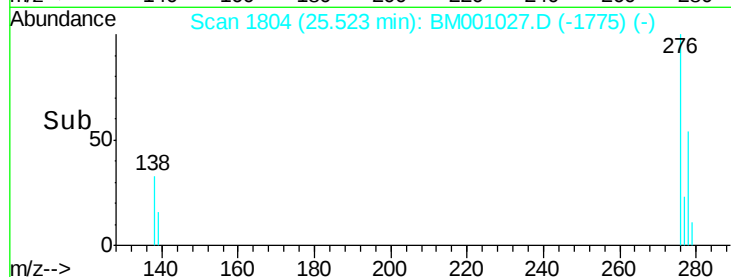
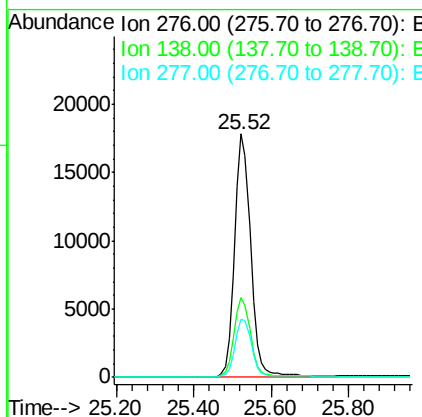
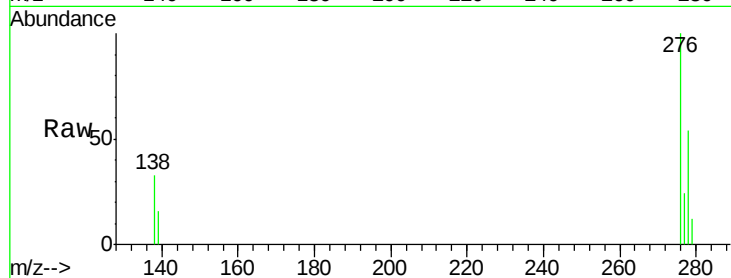




#24
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 25.52 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

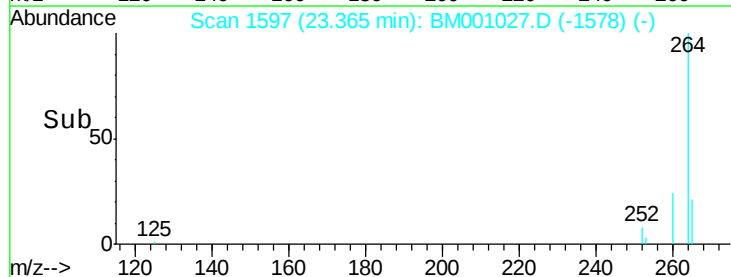
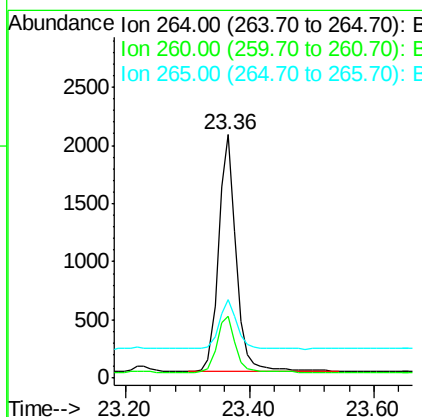
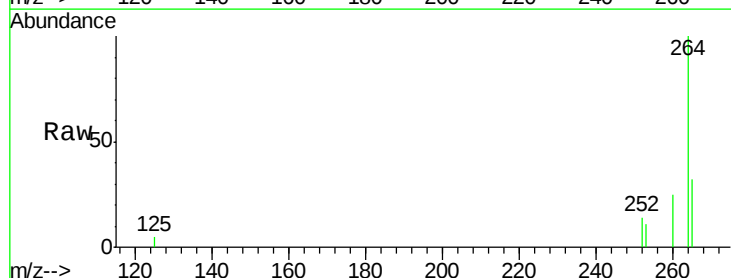
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.232

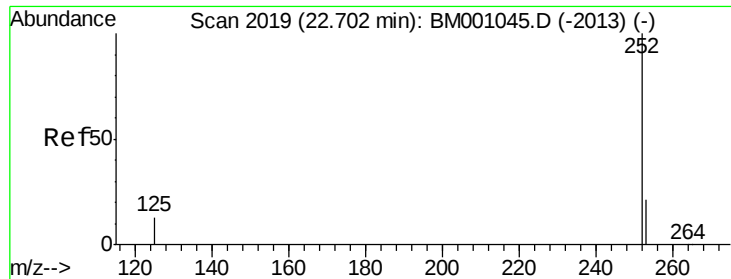
Tgt Ion: 276 Resp: 51348
 Ion Ratio Lower Upper
 276 100
 138 33.4 26.3 39.5
 277 24.4 19.5 29.3



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BM001027.D
 Acq: 16 Apr 2015 21:19

Tgt Ion: 264 Resp: 3972
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.0 28.6
 265 32.3 17.9 26.9#





#26

Benzo(b)fluoranthene

Concen: Below Cal

RT: 22.71 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

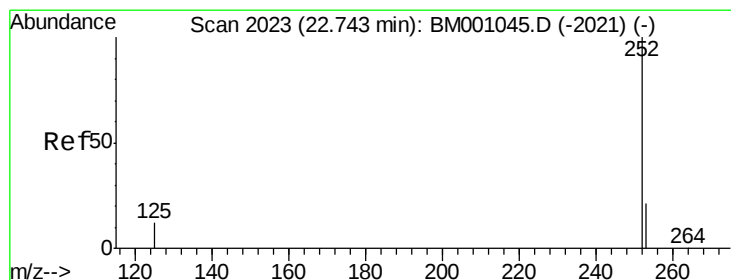
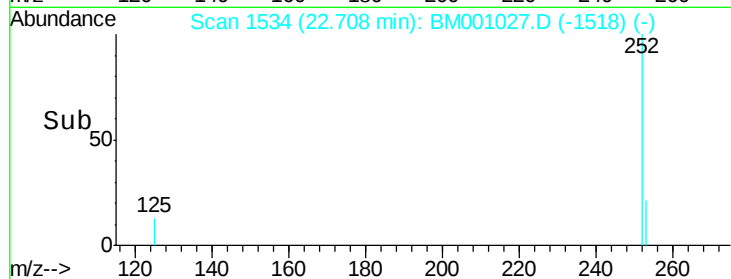
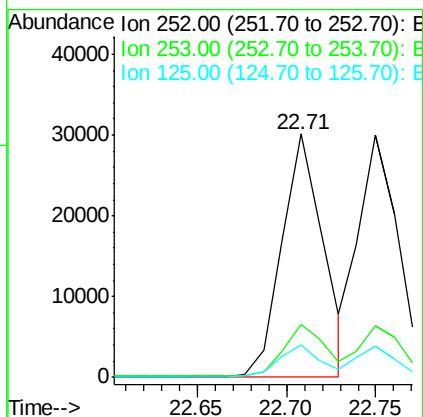
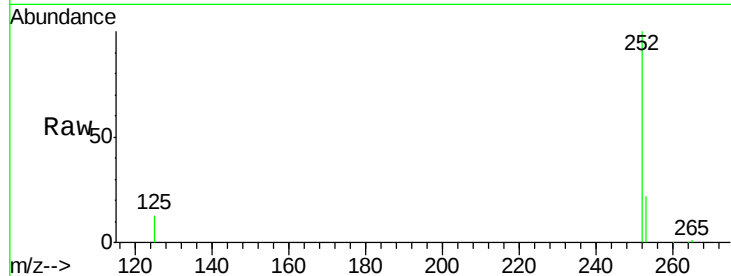
BNA_M

ClientSampleId :

SSTD3.232

Tgt Ion:252 Resp: 48252

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	13.1	10.9	16.3



#27

Benzo(k)fluoranthene

Concen: Below Cal

RT: 22.75 min Scan# 1538

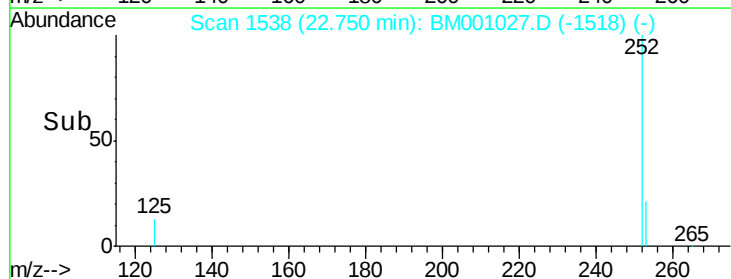
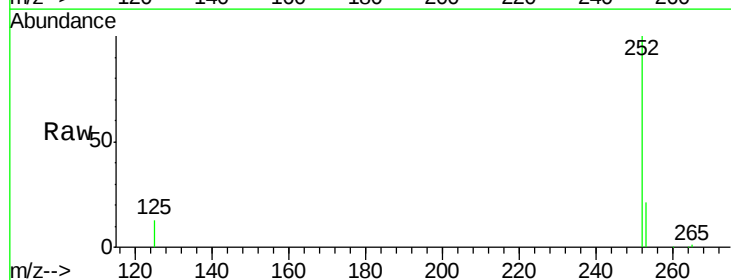
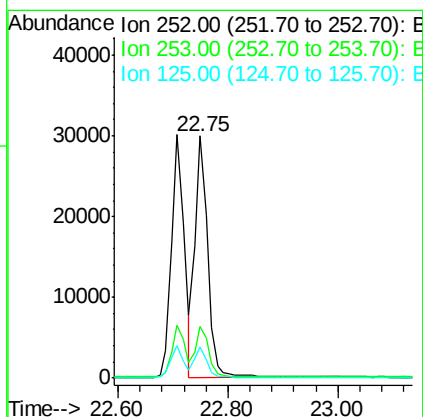
Delta R.T. 0.01 min

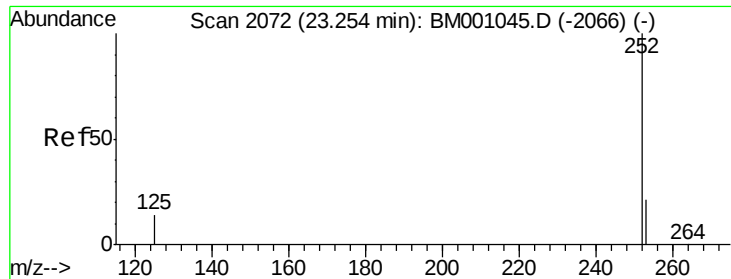
Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Tgt Ion:252 Resp: 47796

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.3	27.5
125	13.0	10.6	15.8





#28

Benzo(a)pyrene

Concen: Below Cal

RT: 23.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232

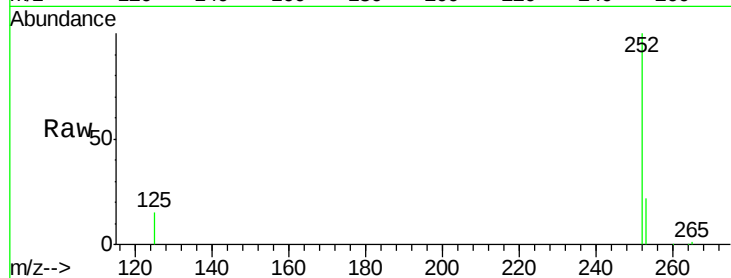
Tgt Ion:252 Resp: 44730

Ion Ratio Lower Upper

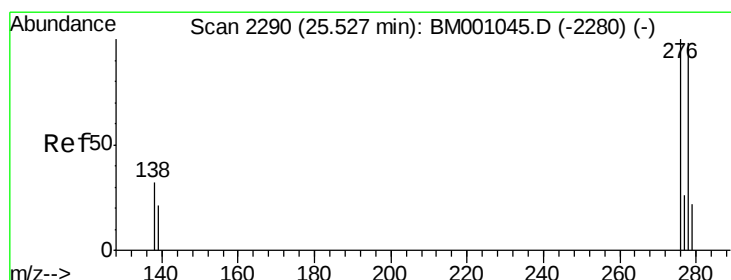
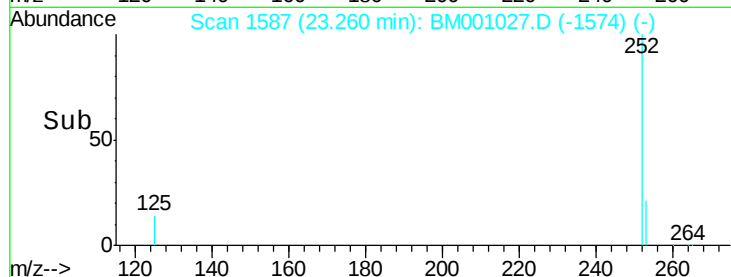
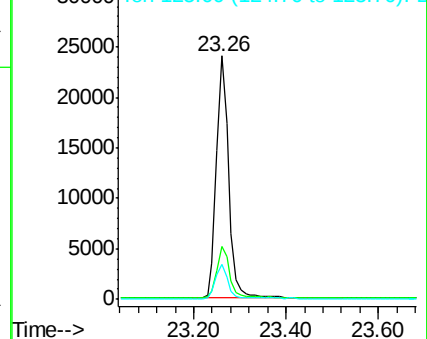
252 100

253 21.9 18.6 27.8

125 14.5 11.9 17.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#29

Dibenzo(a,h)anthracene

Concen: Below Cal

RT: 25.54 min Scan# 1806

Delta R.T. 0.02 min

Lab File: BM001027.D

Acq: 16 Apr 2015 21:19

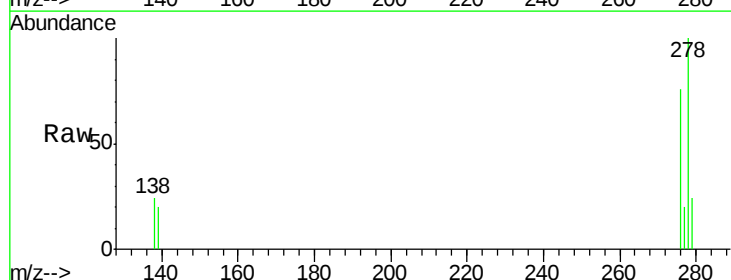
Tgt Ion:278 Resp: 41613

Ion Ratio Lower Upper

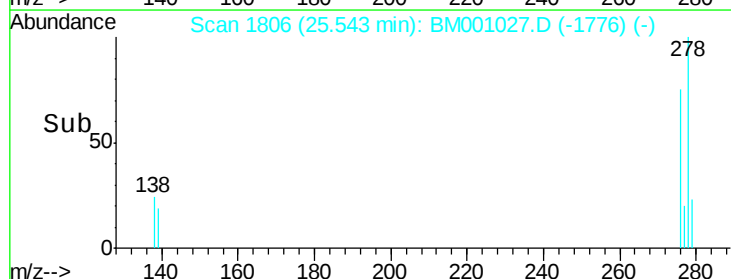
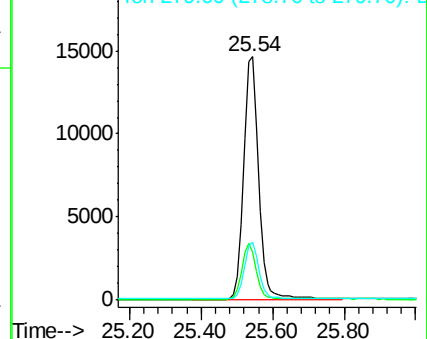
278 100

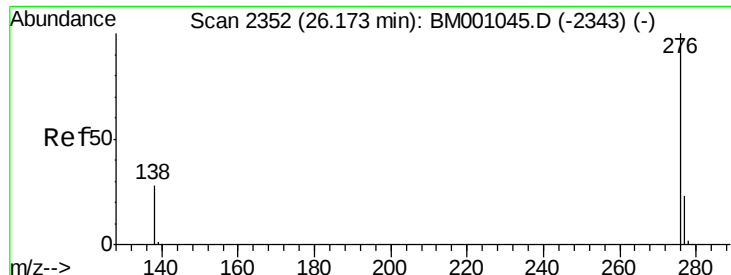
139 19.7 18.2 27.2

279 23.9 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: 26.19 min Scan# 1868

Delta R.T. 0.02 min

Lab File: BM001027.D

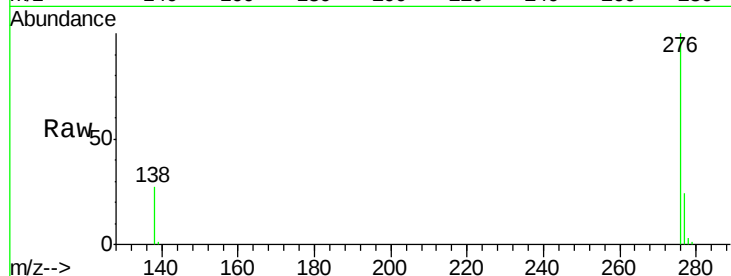
Acq: 16 Apr 2015 21:19

Instrument :

BNA_M

ClientSampleId :

SSTD3.232



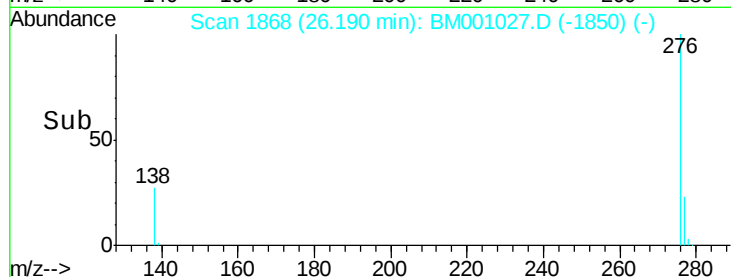
Tgt Ion: 276 Resp: 44295

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 27.3 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

