

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001026.D
 Acq On : 16 Apr 2015 20:44
 Operator : TP/IZ
 Sample : SSTD1.631
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.631

Quant Time: Apr 20 08:48:44 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	1346	5.00	ng	0.00
4) Naphthalene-d8	10.37	136	4764	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2970	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	4917	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4426	5.00	ng	0.00
25) Perylene-d12	23.36	264	3907	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

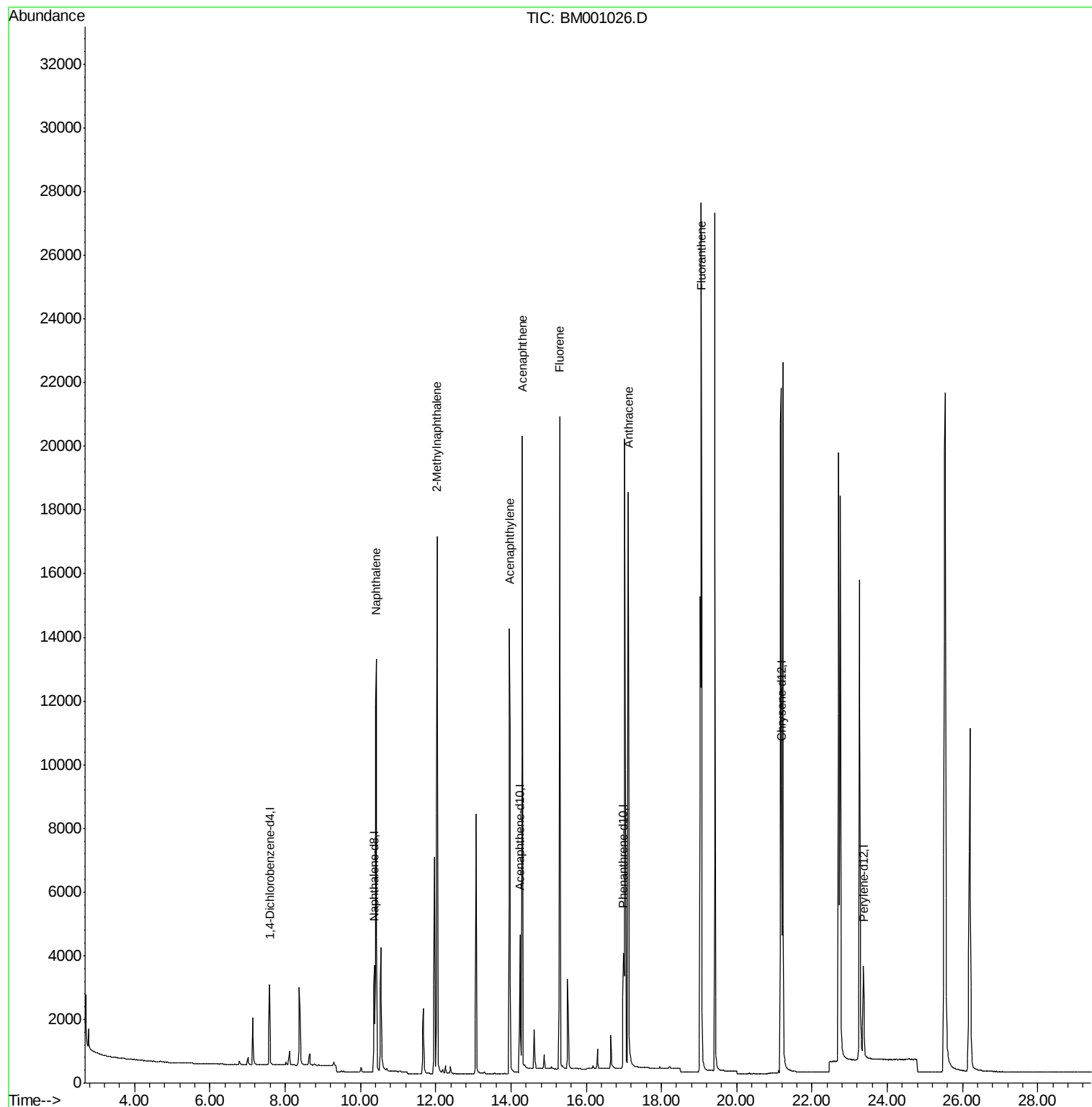
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.42	128	19245	16.83	ng	99
7) 2-Methylnaphthalene	12.03	142	12622	16.79	ng	91
10) Acenaphthylene	13.96	152	17431	9.97	ng	100
11) Acenaphthene	14.30	154	11381	12.20	ng	96
12) Fluorene	15.29	166	14805	13.66	ng	100
15) Pentachlorophenol	16.65	266	936	Below Cal		88
16) Phenanthrene	17.02	178	22547	Below Cal		99
17) Anthracene	17.12	178	21475	18.72	ng	99
18) Fluoranthene	19.05	202	25813	19.88	ng	100
20) Pyrene	19.42	202	25936	Below Cal		100
22) Benzo(a)anthracene	21.18	228	21551	Below Cal		98
23) Chrysene	21.23	228	24012	Below Cal		99
24) Indeno(1,2,3-cd)pyrene	25.52	276	24458	Below Cal		100
26) Benzo(b)fluoranthene	22.71	252	22870	Below Cal		99
27) Benzo(k)fluoranthene	22.75	252	22585	Below Cal		99
28) Benzo(a)pyrene	23.26	252	21147	Below Cal		99
29) Dibenzo(a,h)anthracene	25.54	278	19875	Below Cal		97
30) Benzo(g,h,i)perylene	26.19	276	21348	Below Cal		99

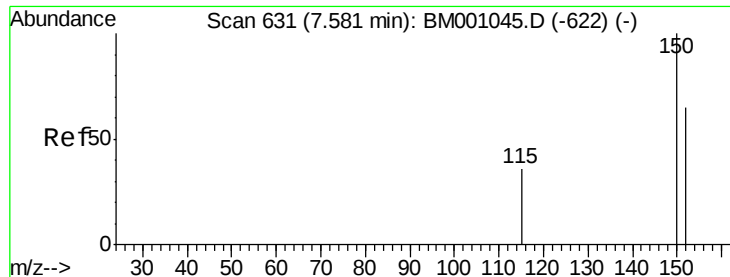
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 318

Delta R.T. 0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

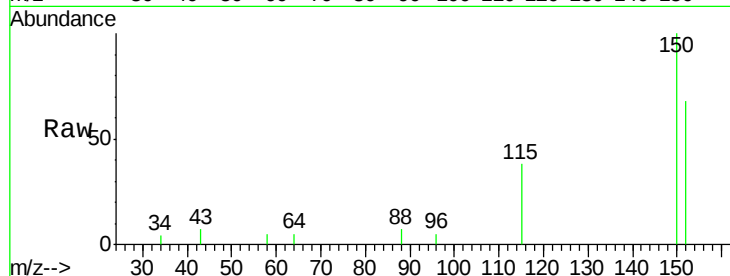
Tgt Ion:152 Resp: 1346

Ion Ratio Lower Upper

152 100

150 148.1 123.3 184.9

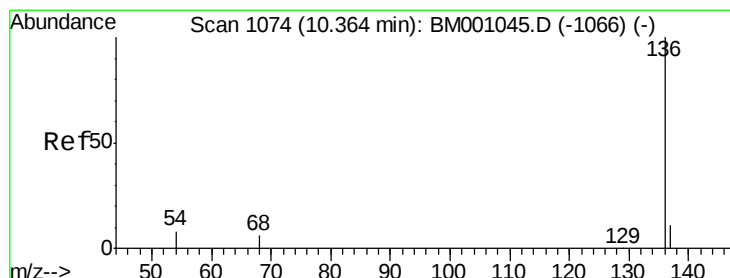
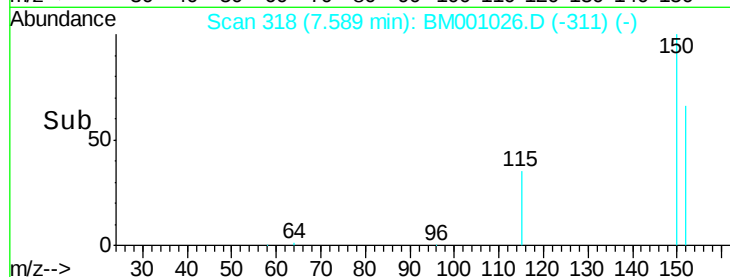
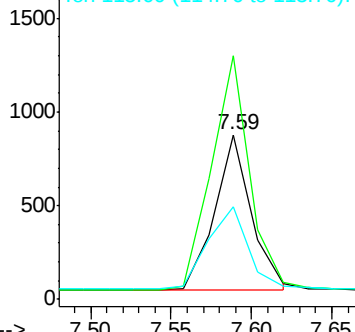
115 56.5 45.0 67.6



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: BM001026.D

Acq: 16 Apr 2015 20:44

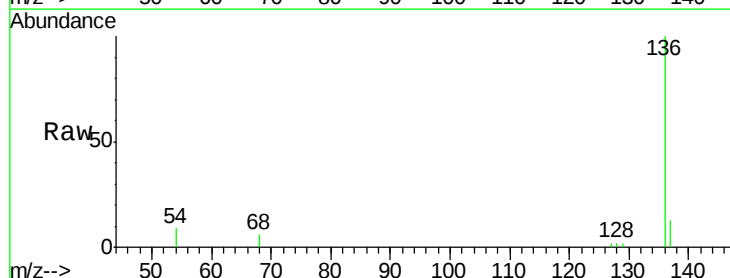
Tgt Ion:136 Resp: 4764

Ion Ratio Lower Upper

136 100

137 12.7 8.6 13.0

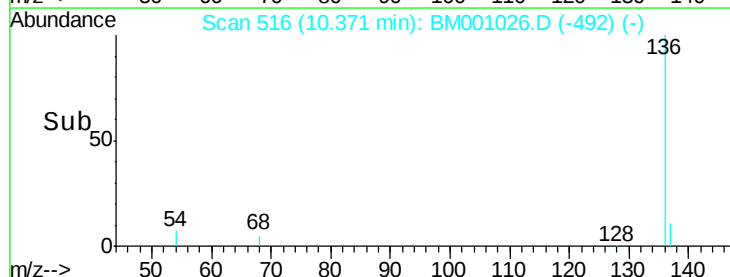
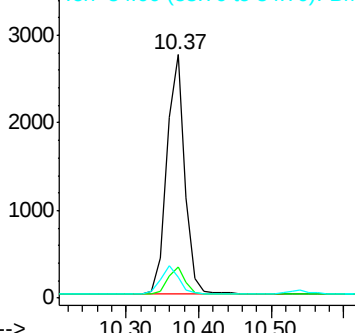
54 8.7 6.5 9.7

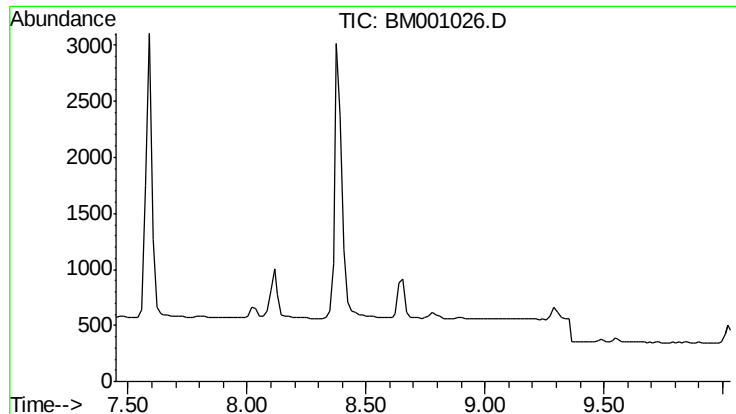


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

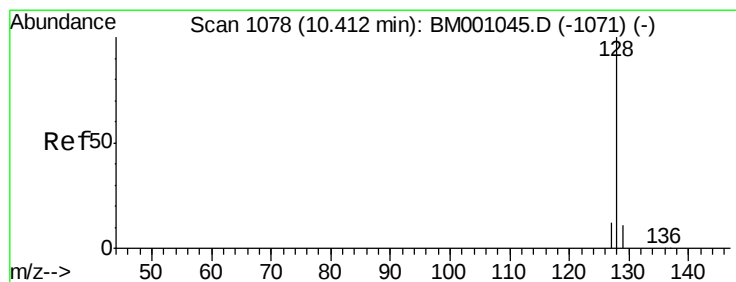
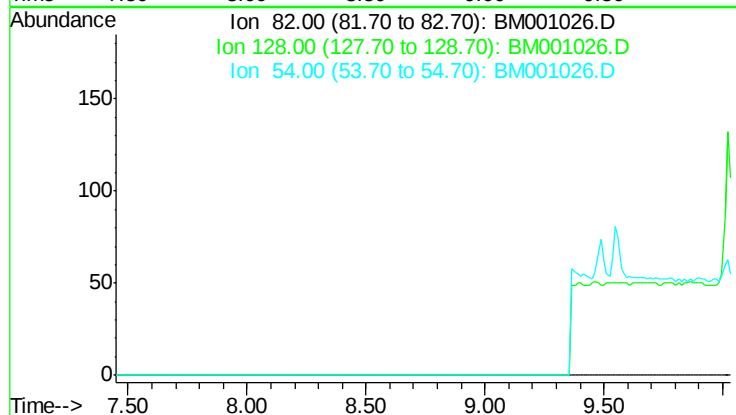




#5
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.74 min
 Lab File: BM001026.D
 Acq: 16 Apr 2015 20:44

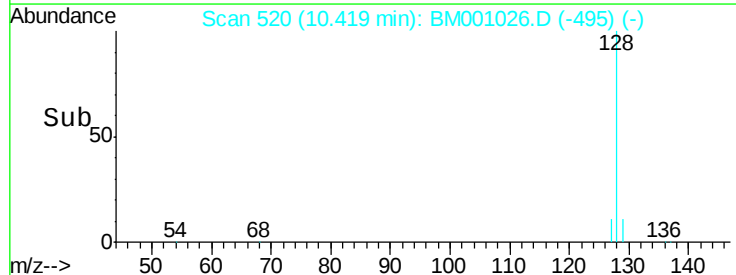
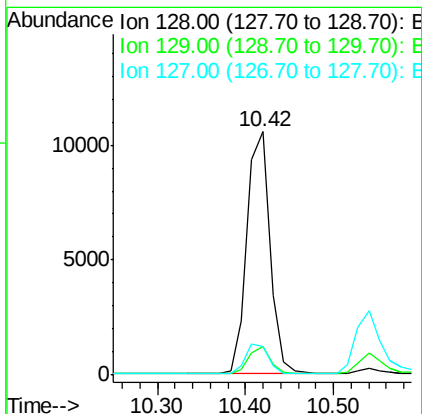
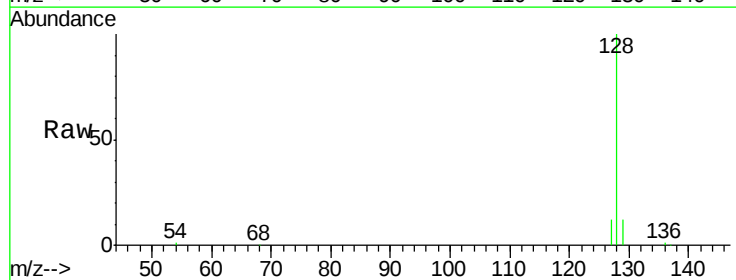
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.631

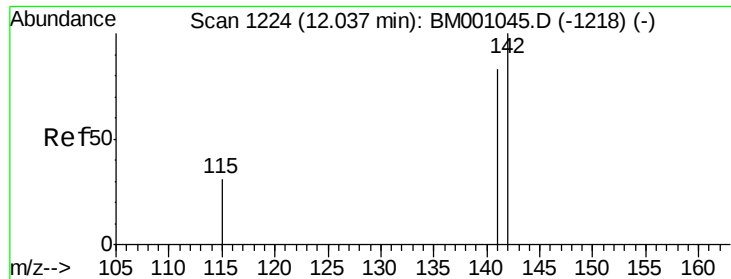
Tgt Ion	Exp Ratio
82	100
128	39.9
54	64.1



#6
 Naphthalene
 Concen: 16.83 ng
 RT: 10.42 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: BM001026.D
 Acq: 16 Apr 2015 20:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	11.9	10.0	15.0





#7

2-Methylnaphthalene

Concen: 16.79 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

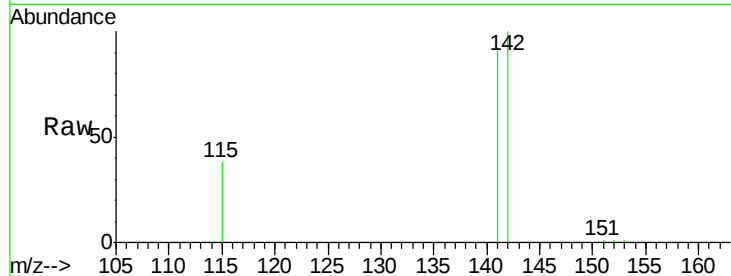
Tgt Ion:142 Resp: 12622

Ion Ratio Lower Upper

142 100

141 91.5 66.7 100.1

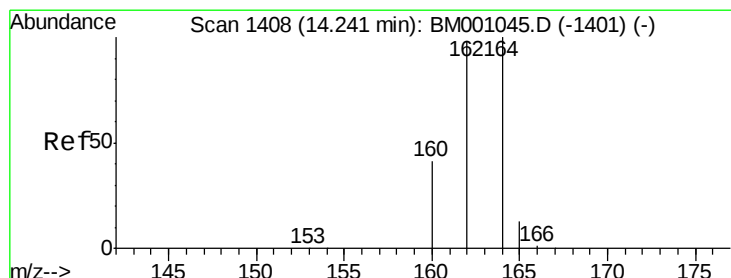
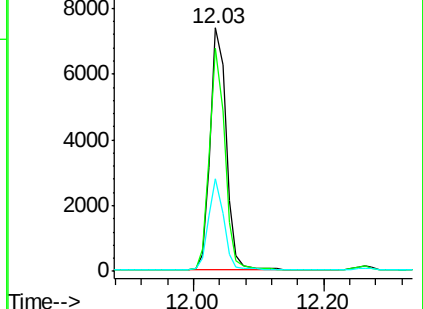
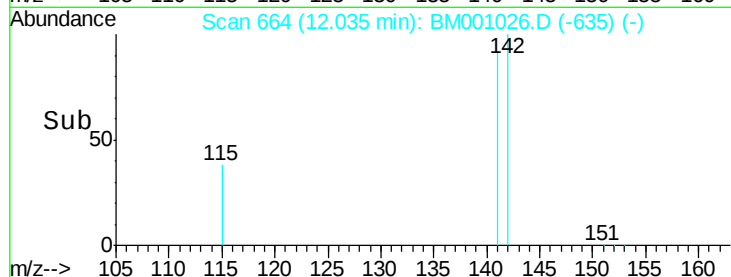
115 37.8 25.5 38.3



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: BM001026.D

Acq: 16 Apr 2015 20:44

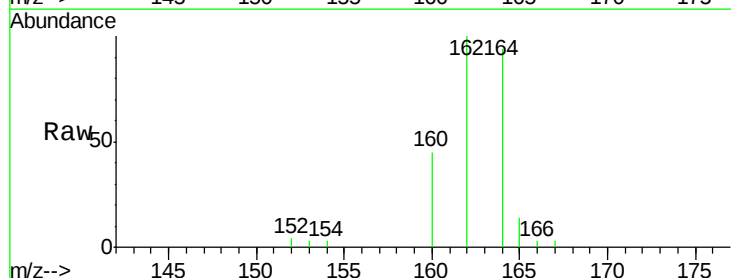
Tgt Ion:164 Resp: 2970

Ion Ratio Lower Upper

164 100

162 106.4 78.5 117.7

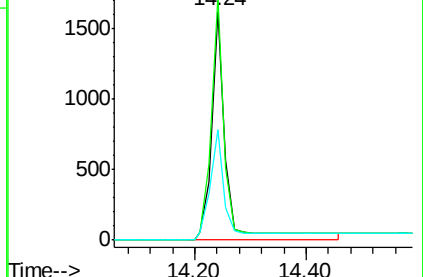
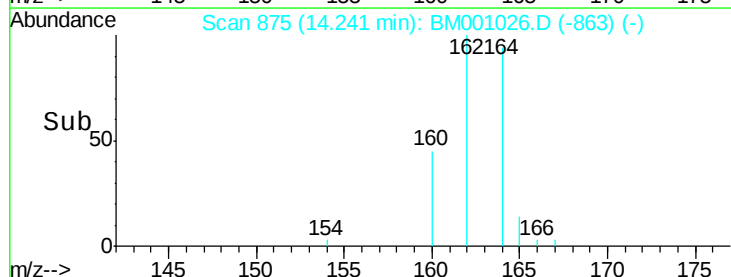
160 48.3 32.9 49.3

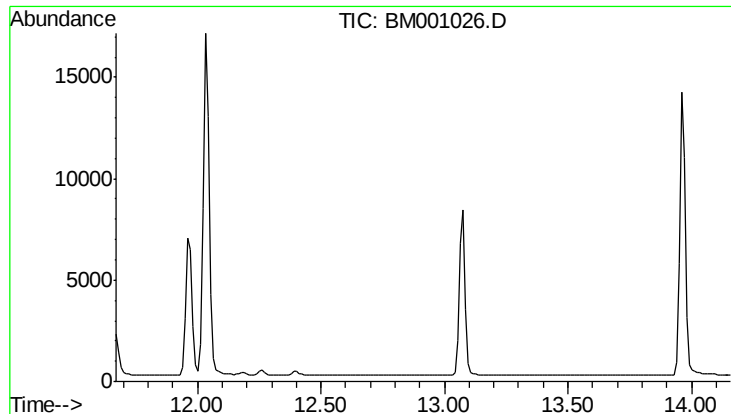


Abundance Ion 164.00 (163.70 to 164.70): E

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: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

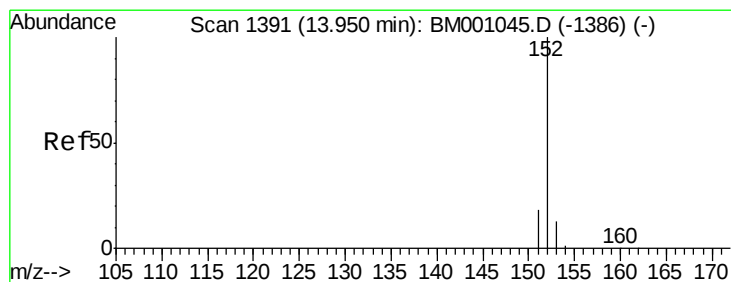
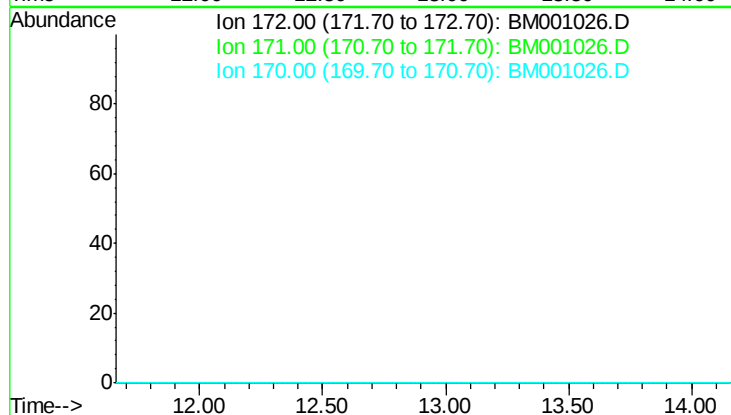
Tgt Ion: 172

Sig Exp Ratio

172 100

171 32.0

170 19.7



#10

Acenaphthylene

Concen: 9.97 ng

RT: 13.96 min Scan# 849

Delta R.T. 0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

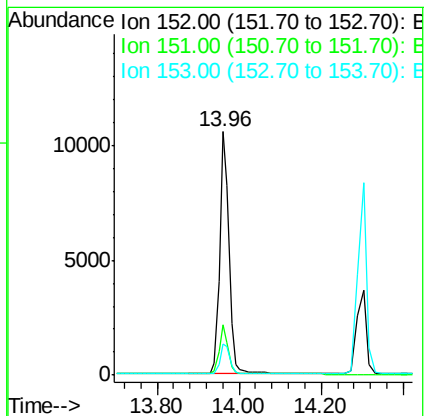
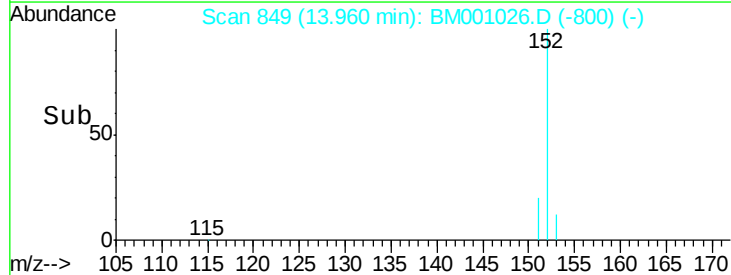
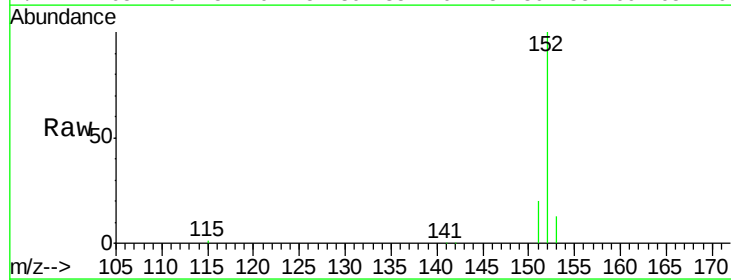
Tgt Ion: 152 Resp: 17431

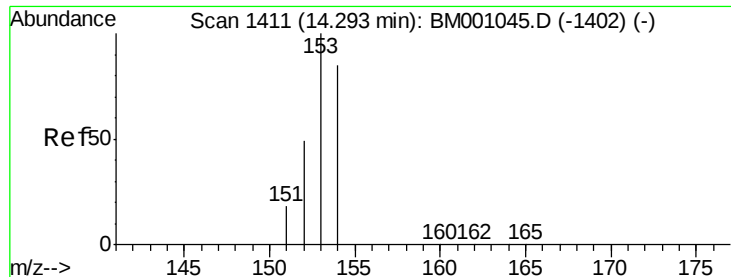
Ion Ratio Lower Upper

152 100

151 18.6 14.7 22.1

153 12.5 10.2 15.2





#11

Acenaphthene

Concen: 12.20 ng

RT: 14.30 min Scan# 879

Delta R.T. 0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

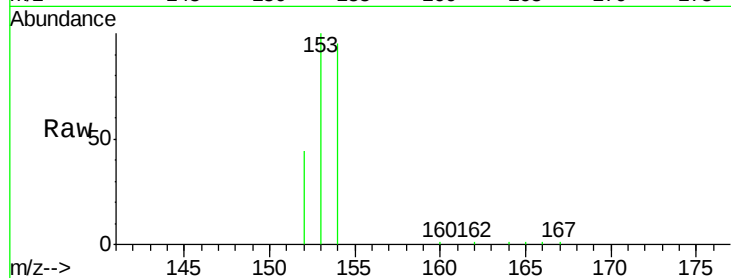
Tgt Ion:154 Resp: 11381

Ion Ratio Lower Upper

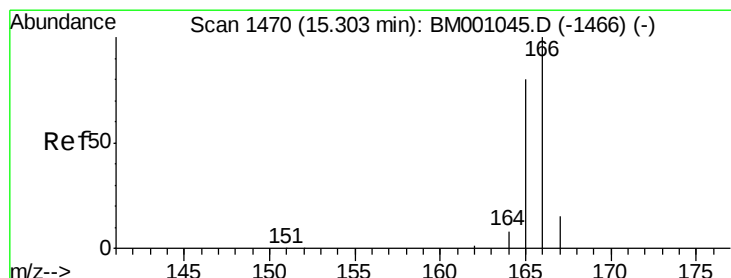
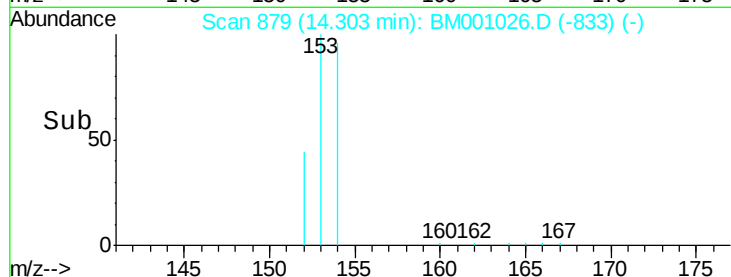
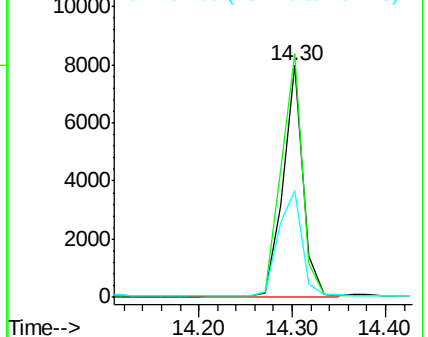
154 100

153 114.6 88.1 132.1

152 55.2 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: 13.66 ng

RT: 15.29 min Scan# 943

Delta R.T. -0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

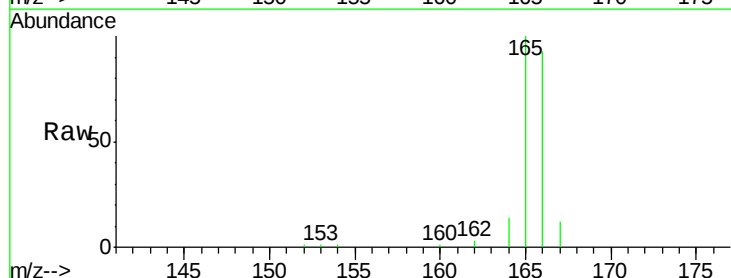
Tgt Ion:166 Resp: 14805

Ion Ratio Lower Upper

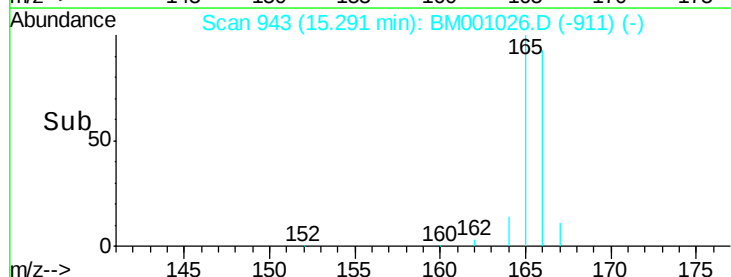
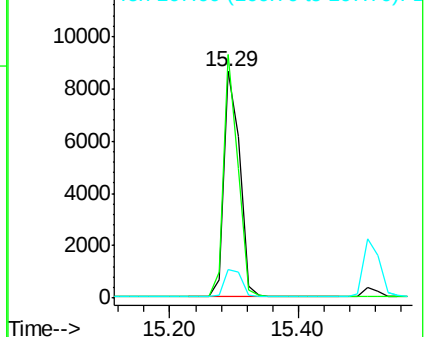
166 100

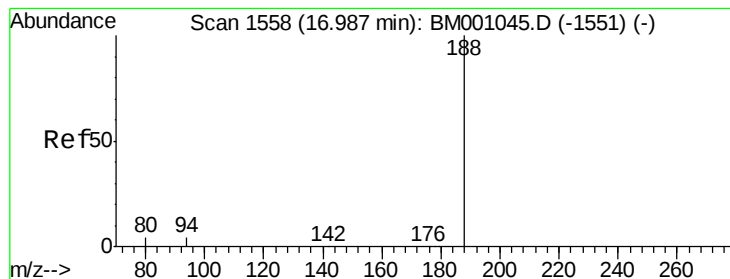
165 97.5 77.6 116.4

167 13.4 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: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

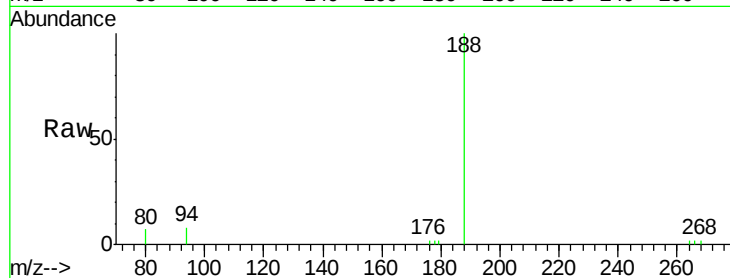
Tgt Ion:188 Resp: 4917

Ion Ratio Lower Upper

188 100

94 8.0 3.6 5.4#

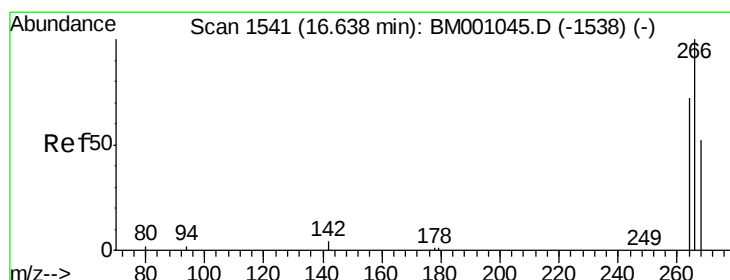
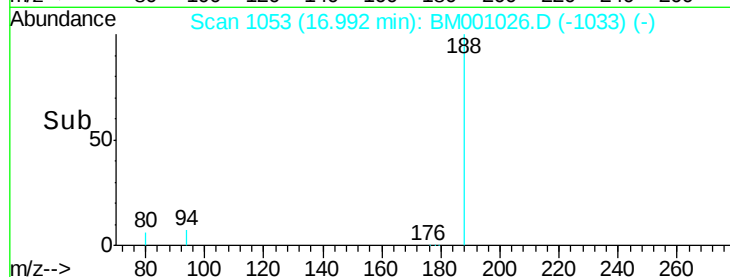
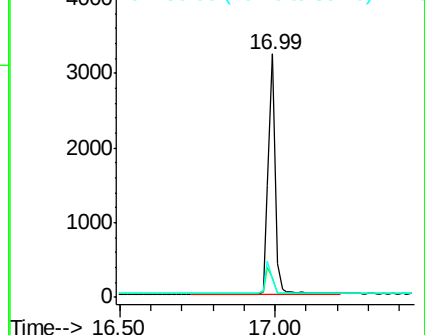
80 7.3 3.0 4.6#



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: BM001026.D

Acq: 16 Apr 2015 20:44

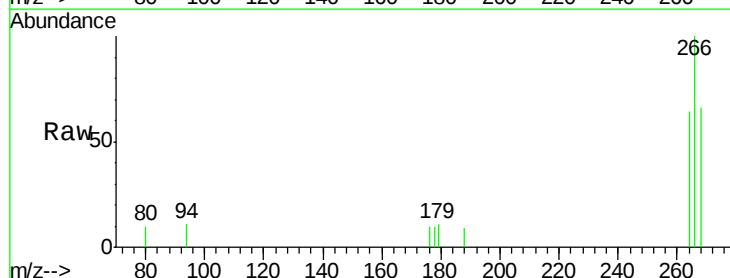
Tgt Ion:266 Resp: 936

Ion Ratio Lower Upper

266 100

268 65.7 46.3 69.5

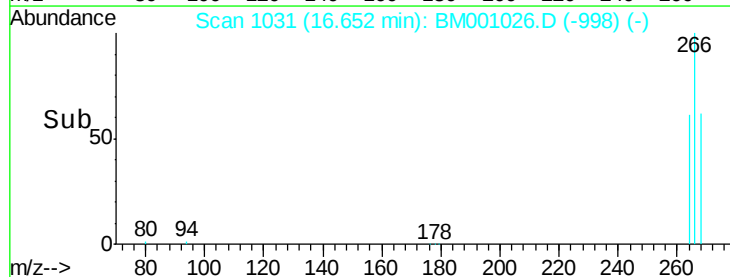
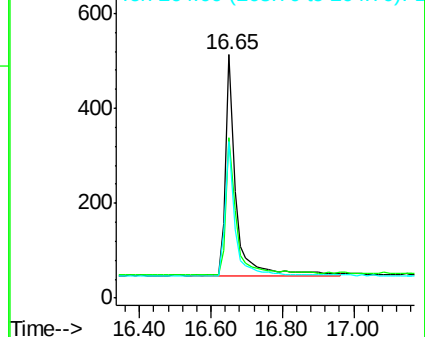
264 64.1 59.8 89.6

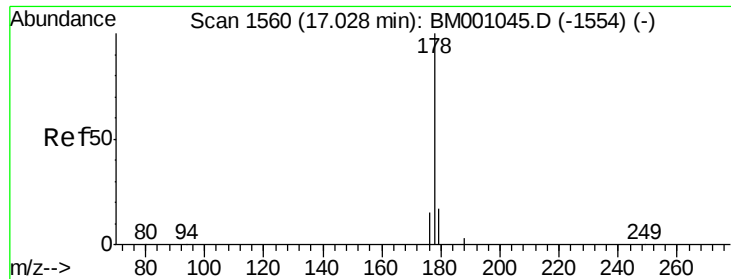


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

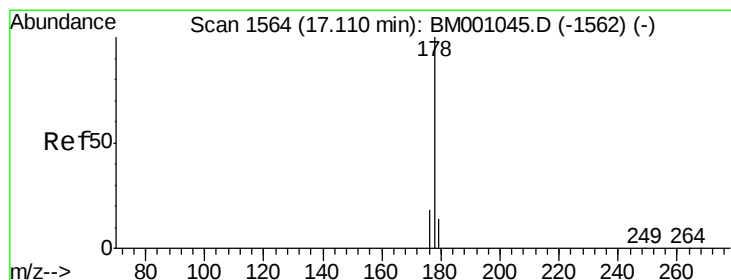
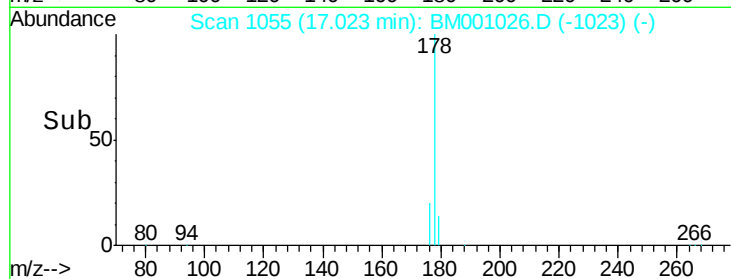
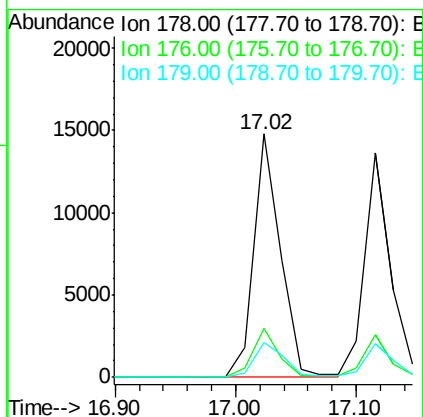
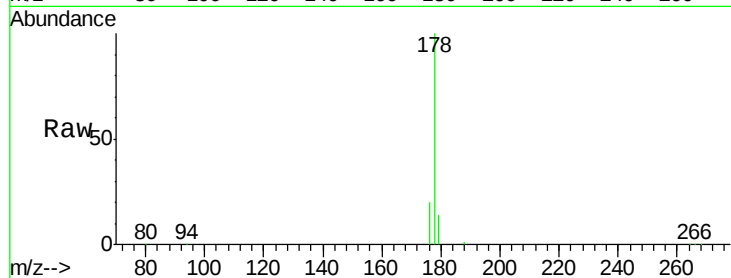




#16
Phenanthrene
Concen: Below Cal
RT: 17.02 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BM001026.D
Acq: 16 Apr 2015 20:44

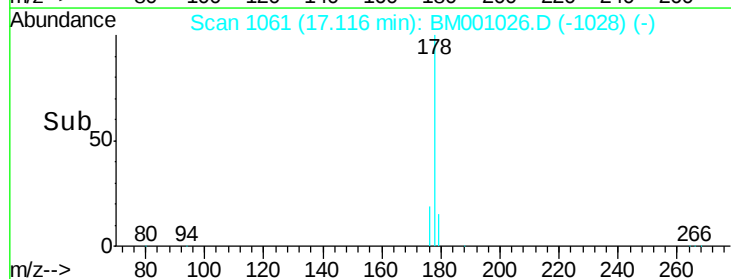
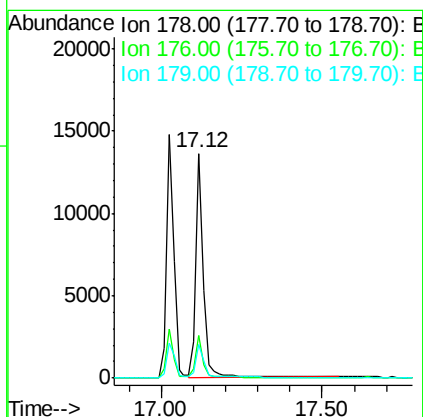
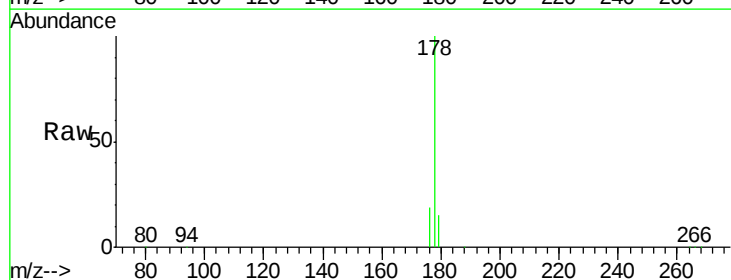
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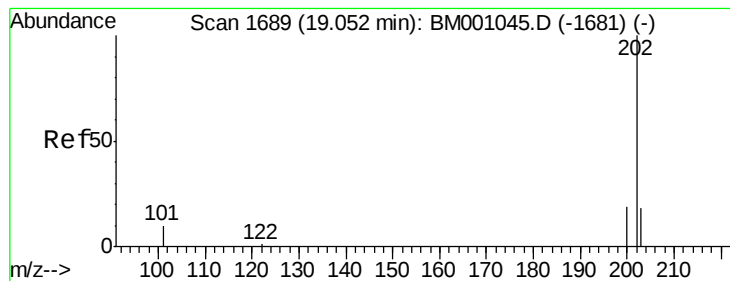
Tgt Ion:178 Resp: 22547
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.2 12.6 19.0



#17
Anthracene
Concen: 18.72 ng
RT: 17.12 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BM001026.D
Acq: 16 Apr 2015 20:44

Tgt Ion:178 Resp: 21475
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.3 11.8 17.8





#18

Fluoranthene

Concen: 19.88 ng

RT: 19.05 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

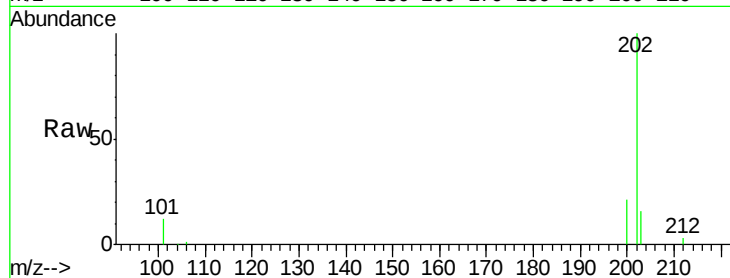
Tgt Ion:202 Resp: 25813

Ion Ratio Lower Upper

202 100

101 12.7 10.1 15.1

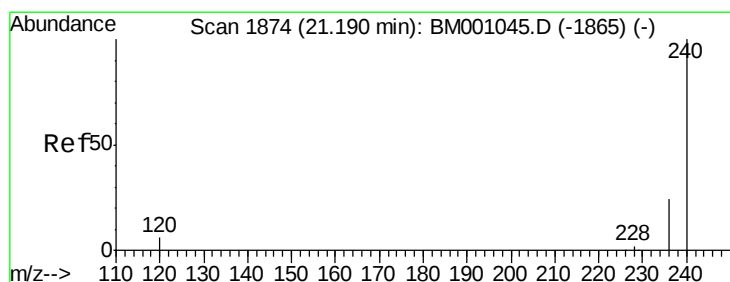
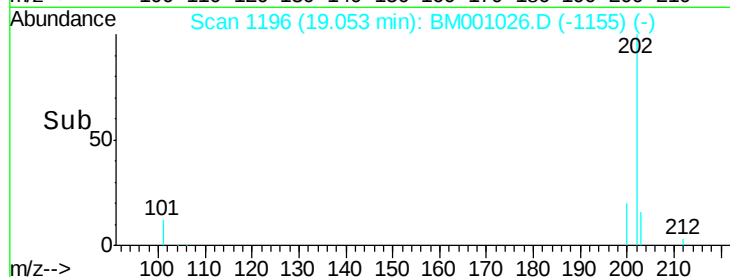
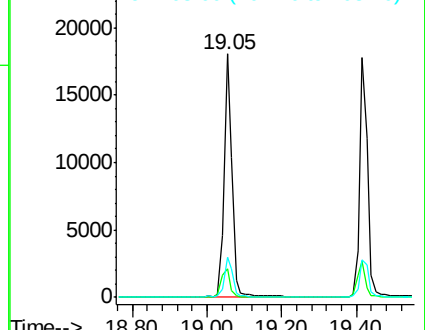
203 17.5 13.8 20.8



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# 1388

Delta R.T. -0.00 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

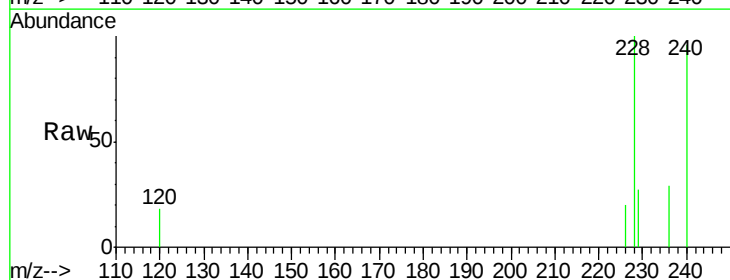
Tgt Ion:240 Resp: 4426

Ion Ratio Lower Upper

240 100

120 18.3 4.6 6.8#

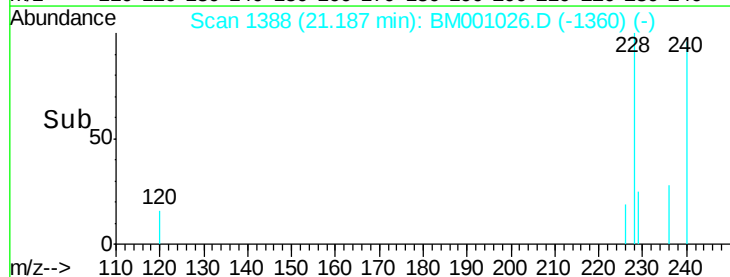
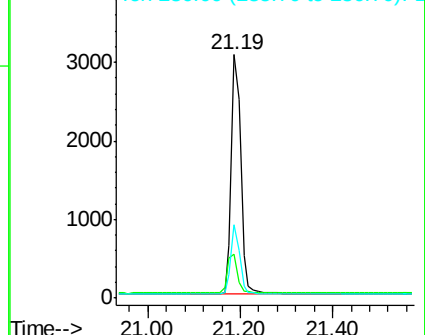
236 30.3 19.1 28.7#

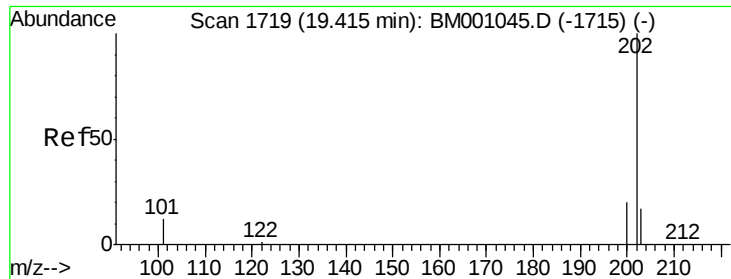


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

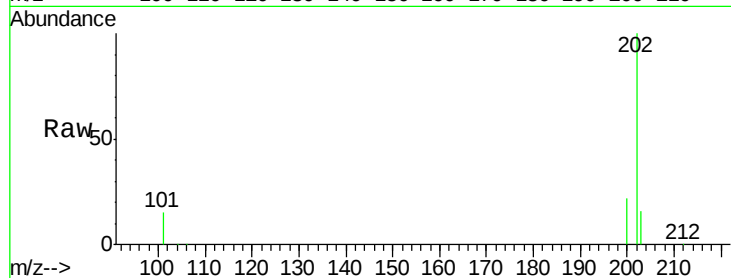




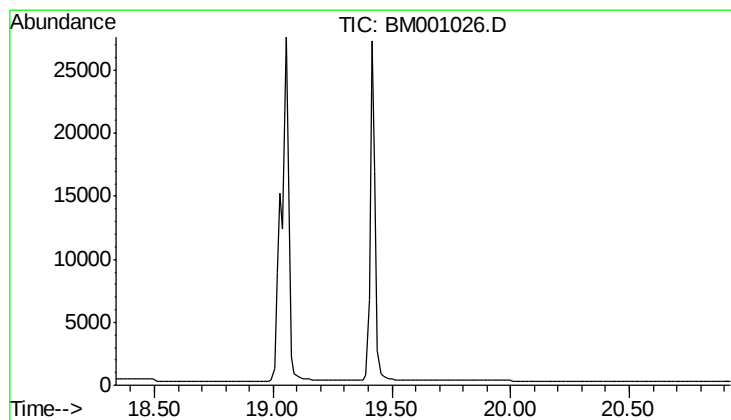
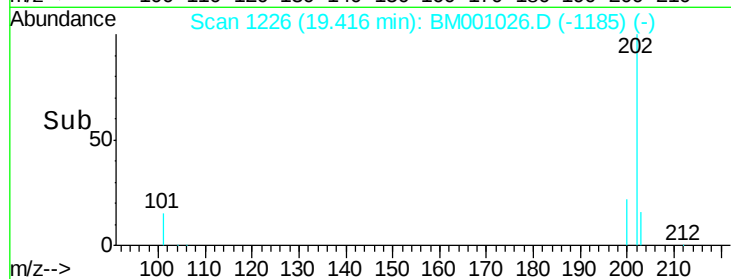
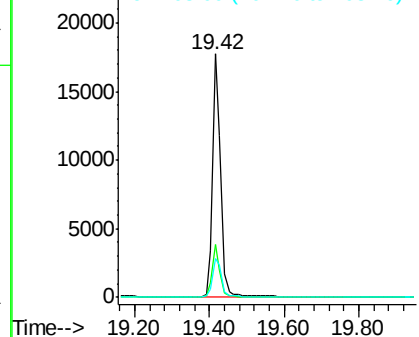
#20
Pyrene
Concen: Below Cal
RT: 19.42 min Scan# 1226
Delta R.T. 0.00 min
Lab File: BM001026.D
Acq: 16 Apr 2015 20:44

Instrument :
BNA_M
ClientSampleId :
SSTD1.631

Tgt Ion: 202 Resp: 25936
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 17.5 13.8 20.6



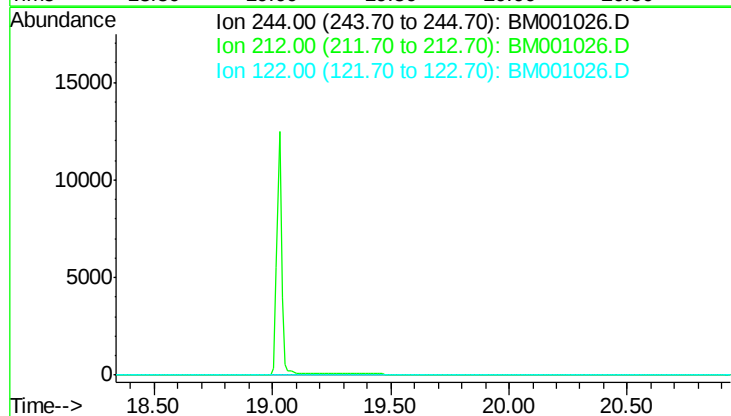
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

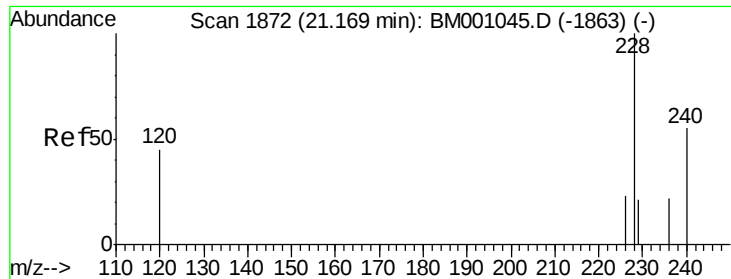


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001026.D
Acq: 16 Apr 2015 20:44

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





#22

Benzo(a)anthracene

Concen: Below Cal

RT: 21.18 min Scan# 1387

Delta R.T. 0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631

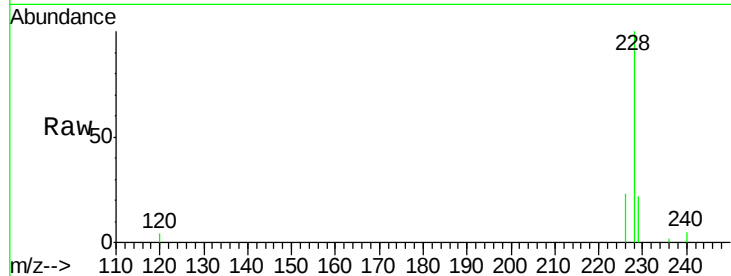
Tgt Ion:228 Resp: 21551

Ion Ratio Lower Upper

228 100

226 23.0 19.0 28.6

229 21.8 16.8 25.2

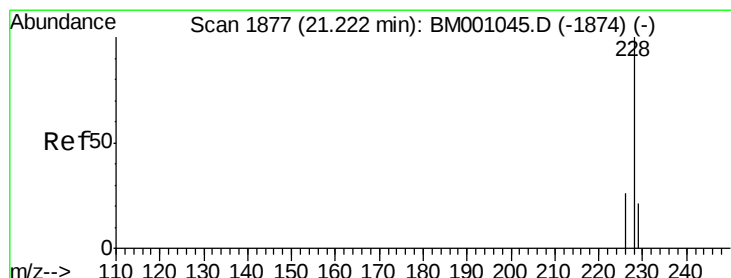
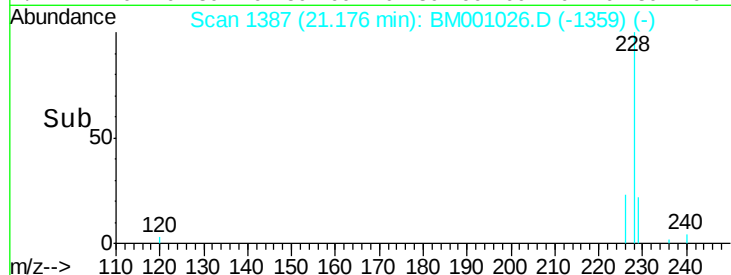
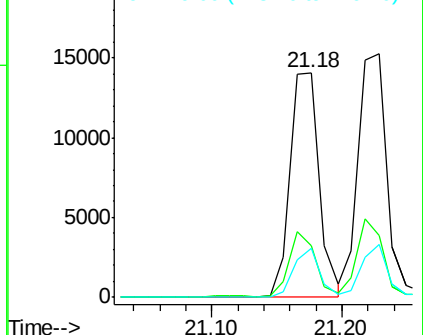


Abundance

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: Below Cal

RT: 21.23 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

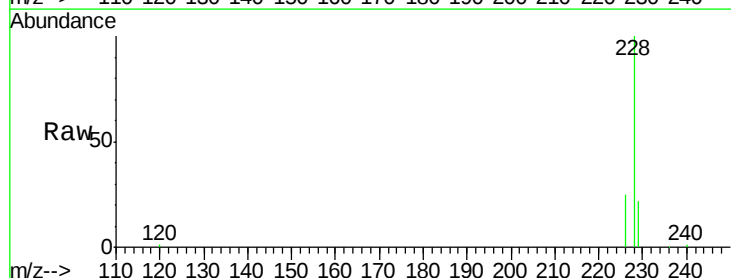
Tgt Ion:228 Resp: 24012

Ion Ratio Lower Upper

228 100

226 25.2 20.6 31.0

229 21.6 17.2 25.8

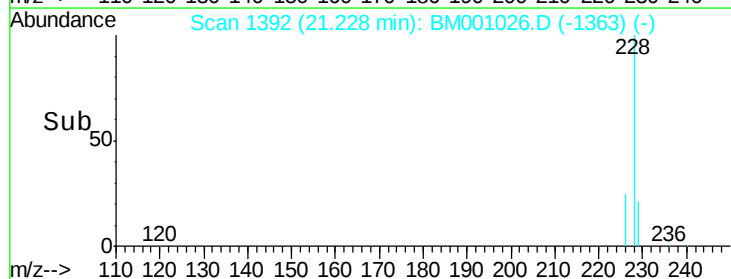
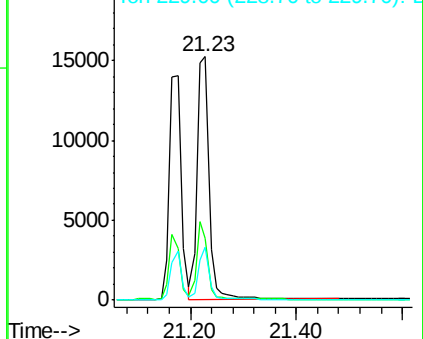


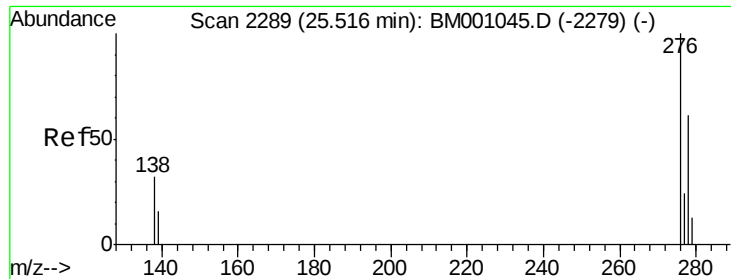
Abundance

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

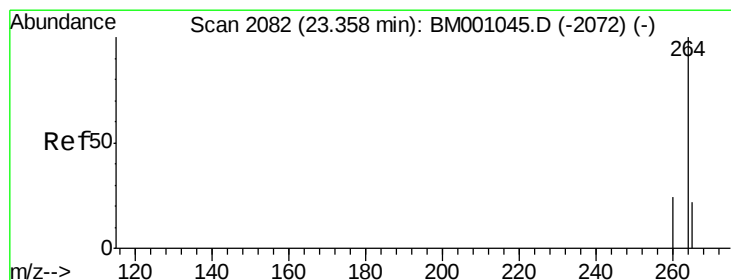
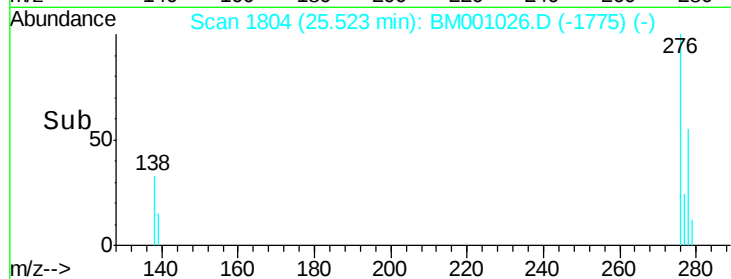
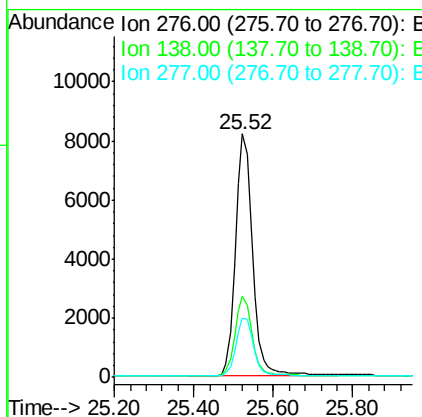
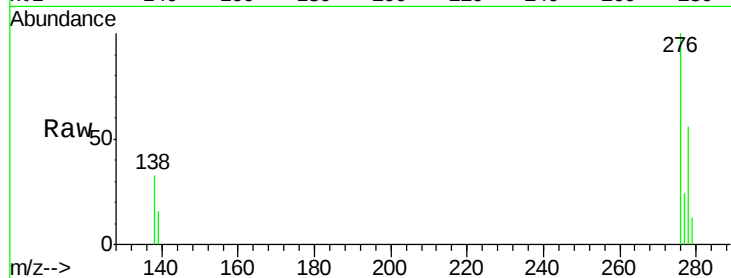




#24
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 25.52 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: BM001026.D
 Acq: 16 Apr 2015 20:44

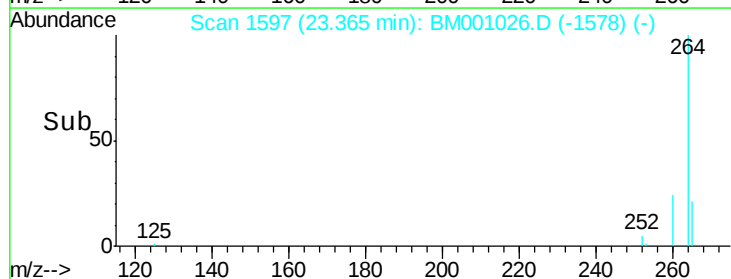
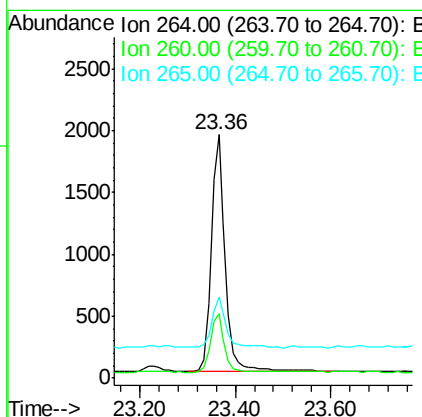
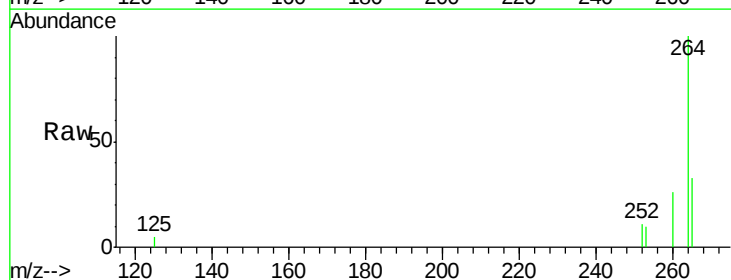
Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.631

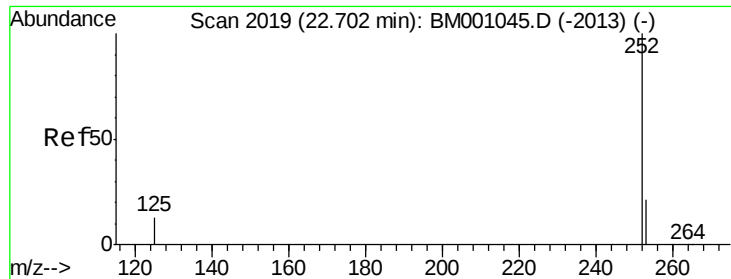
Tgt Ion: 276 Resp: 24458
 Ion Ratio Lower Upper
 276 100
 138 33.2 26.3 39.5
 277 24.5 19.5 29.3



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BM001026.D
 Acq: 16 Apr 2015 20:44

Tgt Ion: 264 Resp: 3907
 Ion Ratio Lower Upper
 264 100
 260 26.2 19.0 28.6
 265 33.5 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: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

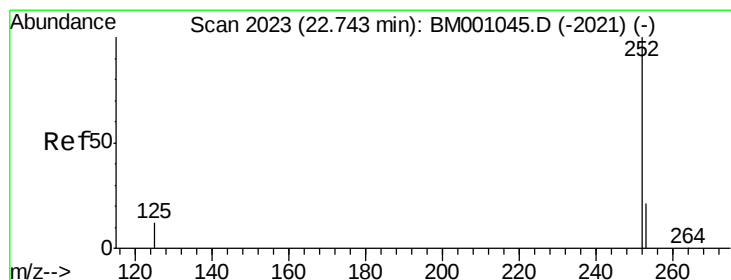
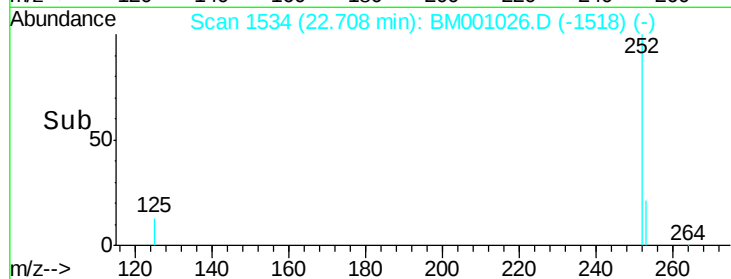
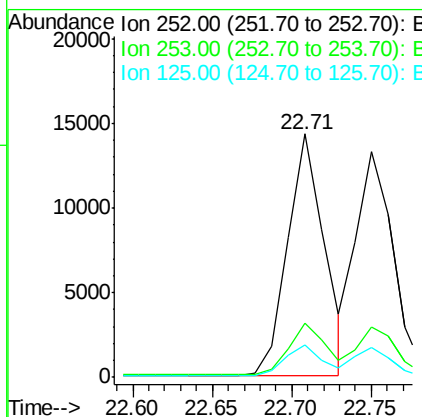
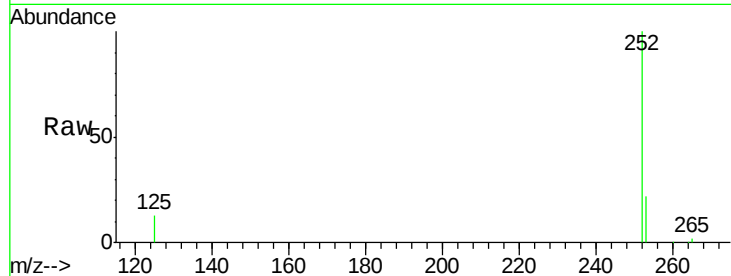
BNA_M

ClientSampleId :

SSTD1.631

Tgt Ion:252 Resp: 22870

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	13.2	10.9	16.3



#27

Benzo(k)fluoranthene

Concen: Below Cal

RT: 22.75 min Scan# 1538

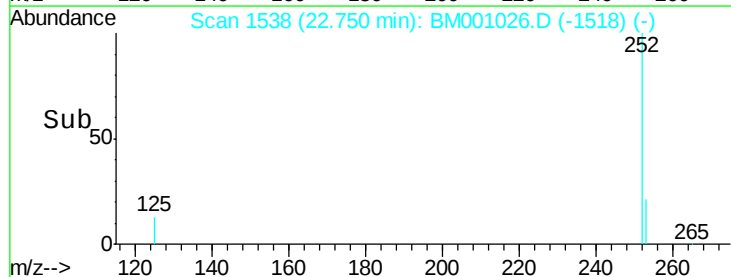
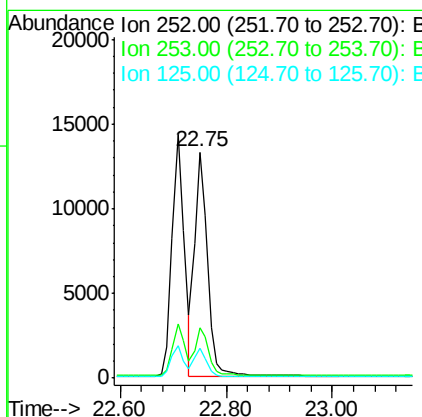
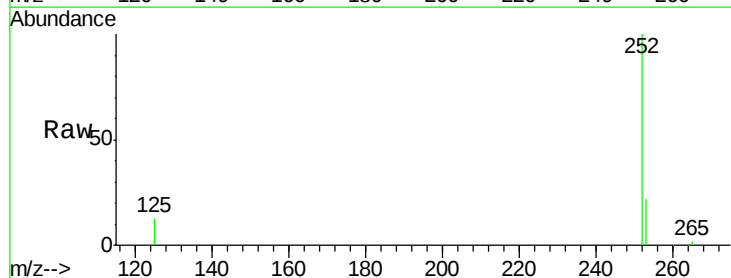
Delta R.T. 0.01 min

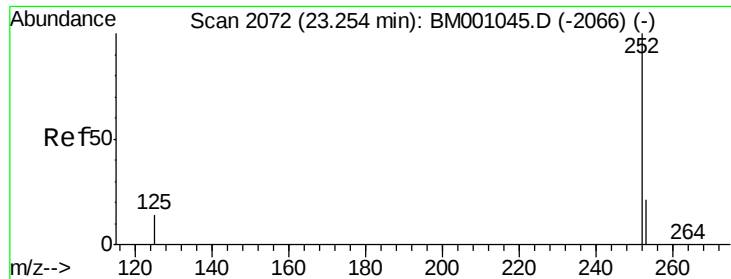
Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Tgt Ion:252 Resp: 22585

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.3	27.5
125	13.3	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: BM001026.D

Acq: 16 Apr 2015 20:44

Instrument :

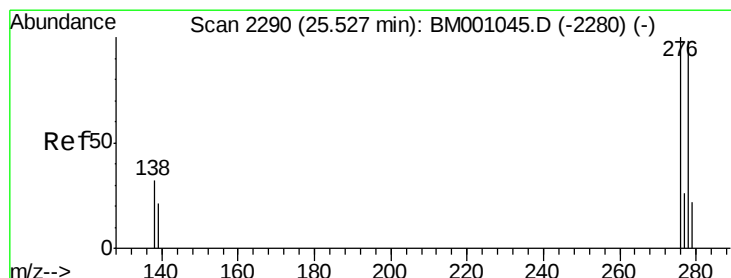
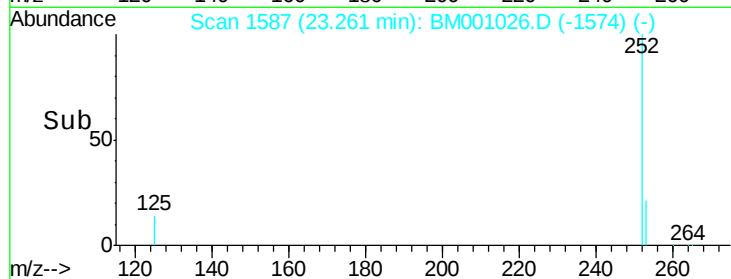
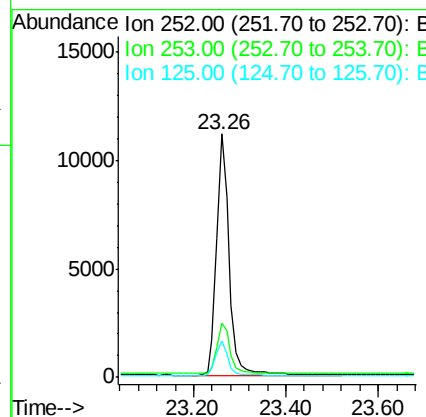
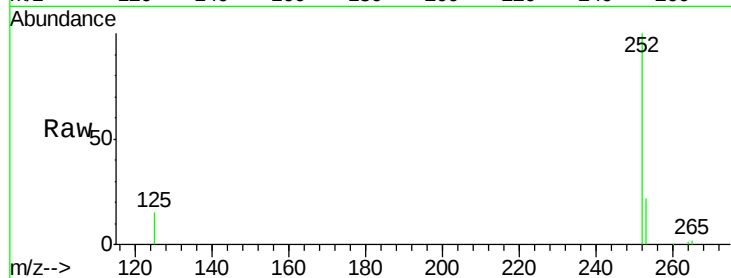
BNA_M

ClientSampleId :

SSTD1.631

Tgt Ion:252 Resp: 21147

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	27.8
125	15.1	11.9	17.9



#29

Dibenzo(a,h)anthracene

Concen: Below Cal

RT: 25.54 min Scan# 1806

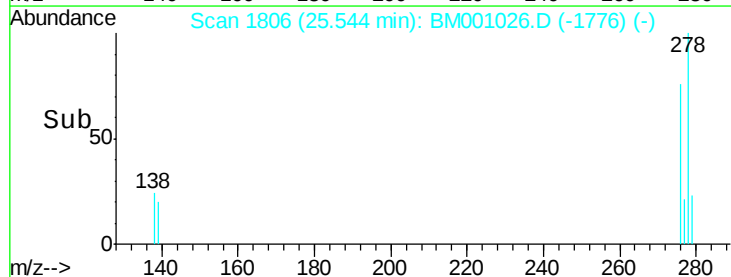
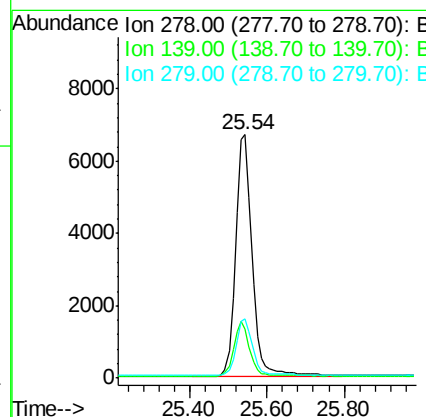
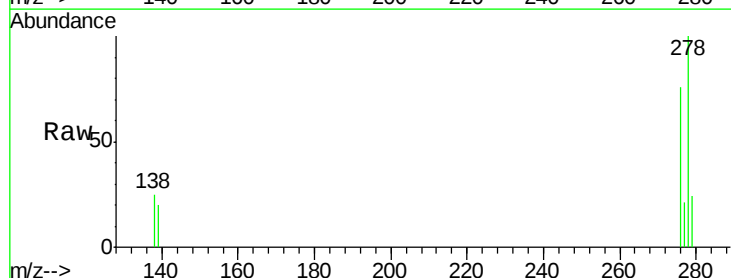
Delta R.T. 0.02 min

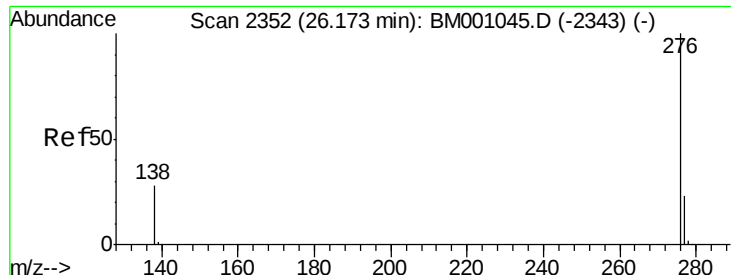
Lab File: BM001026.D

Acq: 16 Apr 2015 20:44

Tgt Ion:278 Resp: 19875

Ion	Ratio	Lower	Upper
278	100		
139	20.3	18.2	27.2
279	24.4	19.1	28.7





#30

Benzo(g,h,i)perylene

Concen: Below Cal

RT: 26.19 min Scan# 1868

Delta R.T. 0.02 min

Lab File: BM001026.D

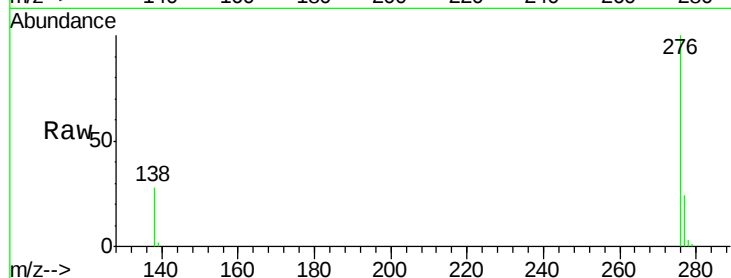
Acq: 16 Apr 2015 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD1.631



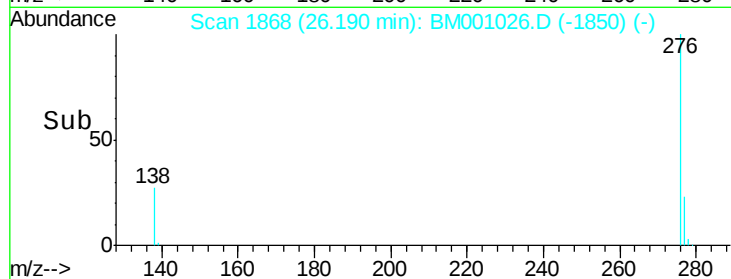
Tgt Ion: 276 Resp: 21348

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 28.0 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

