

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001031.D
 Acq On : 17 Apr 2015 13:13
 Operator : TP/IZ
 Sample : SSTD0.435
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.435

Quant Time: Apr 20 08:49:39 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	1322	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	4881	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2657	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5701	5.00	ng	0.00
19) Chrysene-d12	21.19	240	4814	5.00	ng	0.00
25) Perylene-d12	23.36	264	4302	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

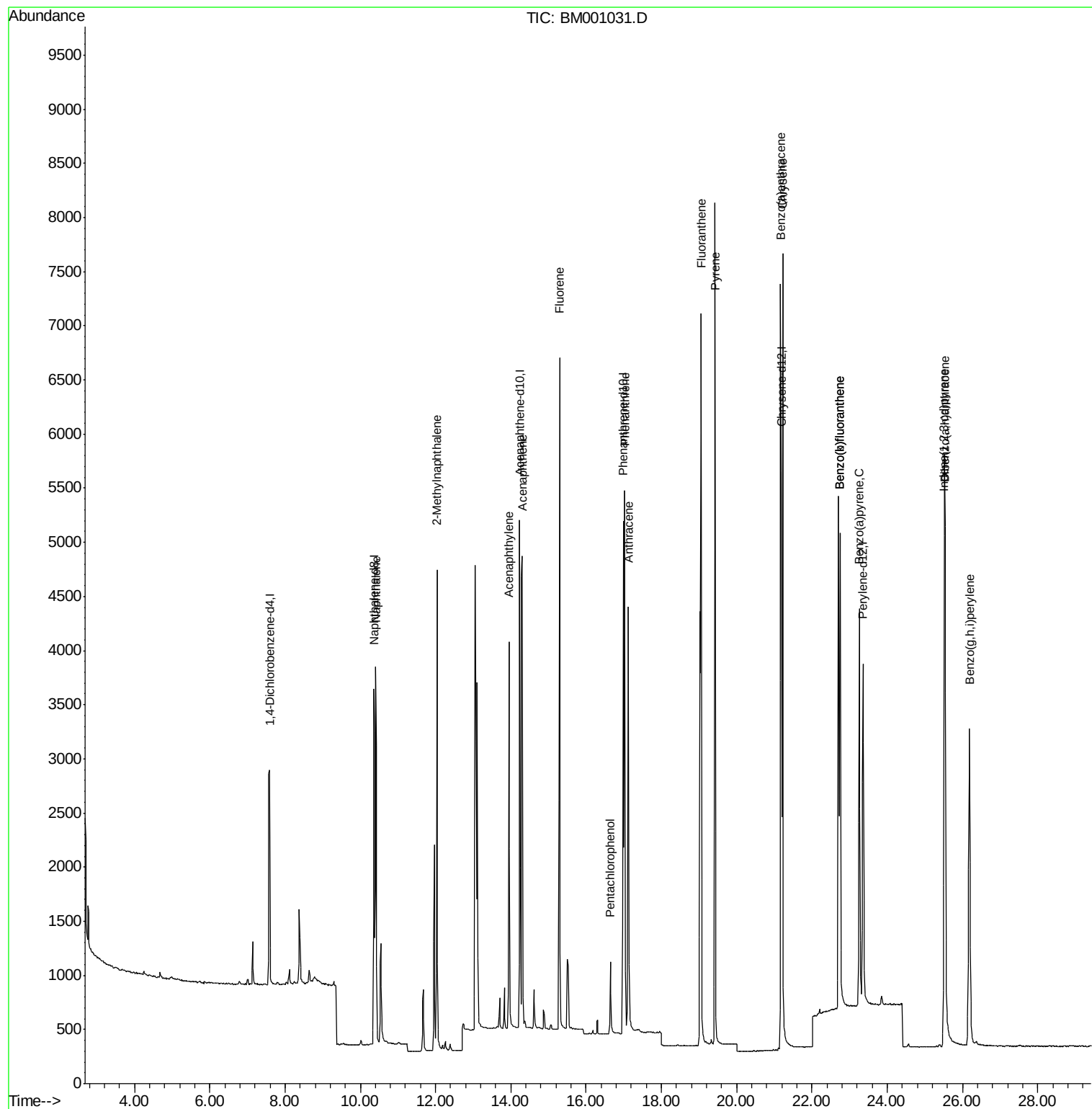
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	5022	4.29	ng	97
7) 2-Methylnaphthalene	12.03	142	3369	4.37	ng	94
10) Acenaphthylene	13.94	152	4587	3.10	ng	98
11) Acenaphthene	14.30	154	3407	4.08	ng	97
12) Fluorene	15.30	166	4196	4.33	ng	100
15) Pentachlorophenol	16.64	266	525	4.96	ng	93
16) Phenanthrene	17.03	178	6481	4.21	ng	99
17) Anthracene	17.12	178	6030	4.53	ng	99
18) Fluoranthene	19.06	202	7101	4.72	ng	100
20) Pyrene	19.42	202	7388	4.56	ng	99
22) Benzo(a)anthracene	21.17	228	6105	4.12	ng	97
23) Chrysene	21.22	228	6521	4.62	ng	95
24) Indeno(1,2,3-cd)pyrene	25.52	276	6598	4.22	ng	100
26) Benzo(b)fluoranthene	22.74	252	6540	4.58	ng	95
27) Benzo(k)fluoranthene	22.74	252	6618	5.05	ng	95
28) Benzo(a)pyrene	23.25	252	5942	4.78	ng	# 94
29) Dibenzo(a,h)anthracene	25.54	278	5299	4.26	ng	96
30) Benzo(g,h,i)perylene	26.18	276	5821	4.59	ng	98

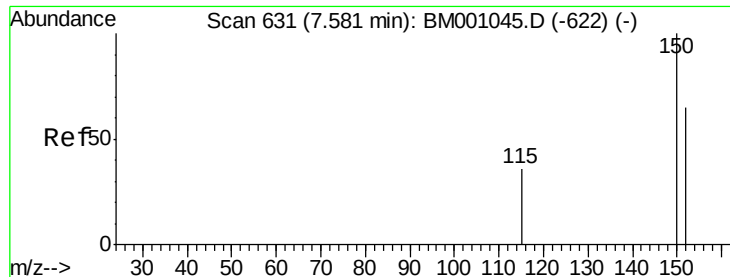
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001031.D

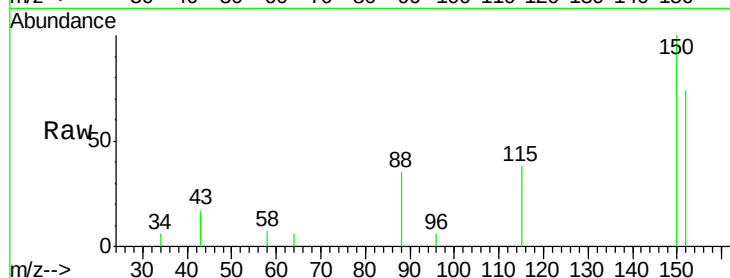
Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435



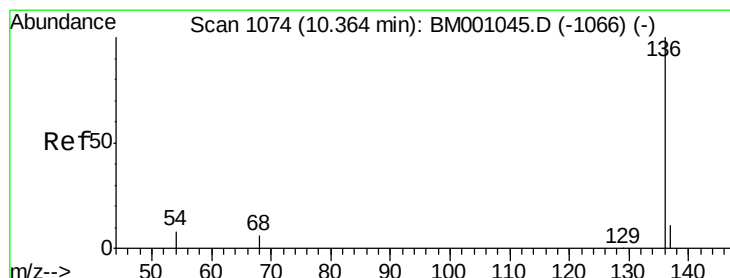
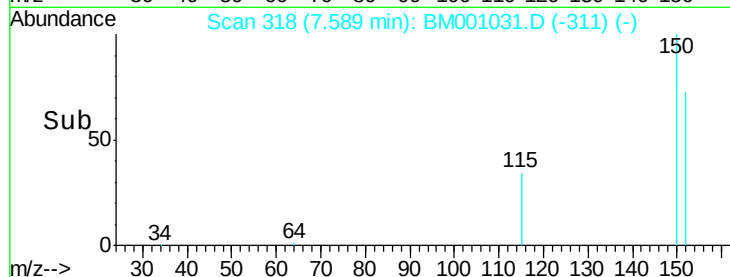
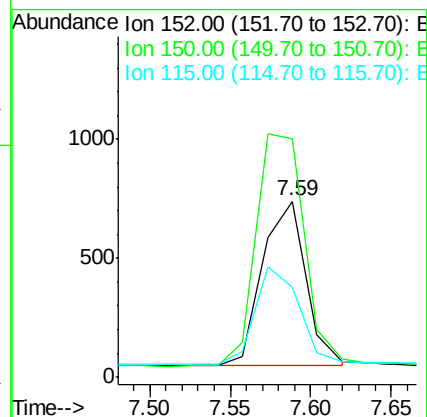
Tgt Ion:152 Resp: 1322

Ion Ratio Lower Upper

152 100

150 135.4 123.3 184.9

115 51.0 45.0 67.6



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.36 min Scan# 515

Delta R.T. -0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

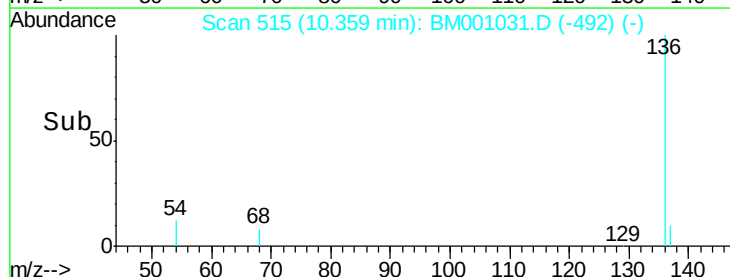
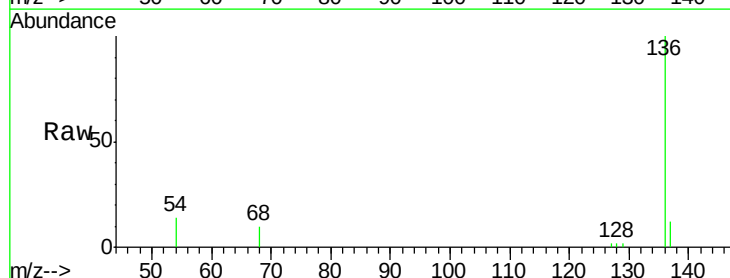
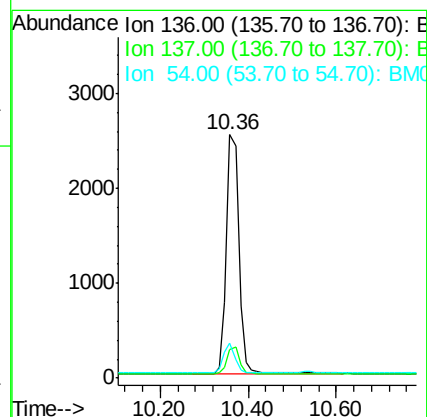
Tgt Ion:136 Resp: 4881

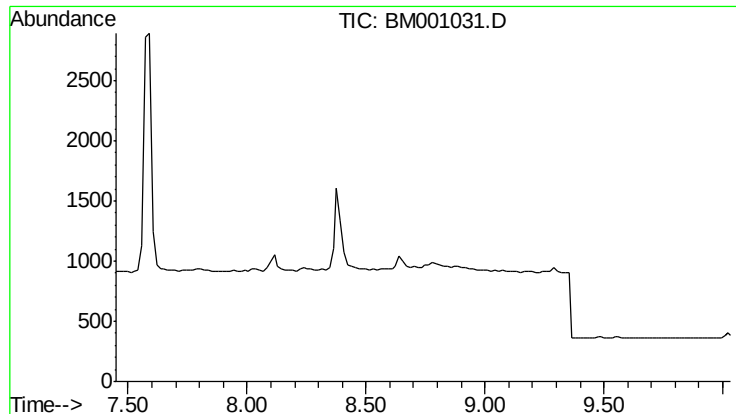
Ion Ratio Lower Upper

136 100

137 11.8 8.6 13.0

54 14.3 6.5 9.7#





#5

Nitrobenzene-d5

Concen: 0.00 ng

Expected RT: 8.74 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

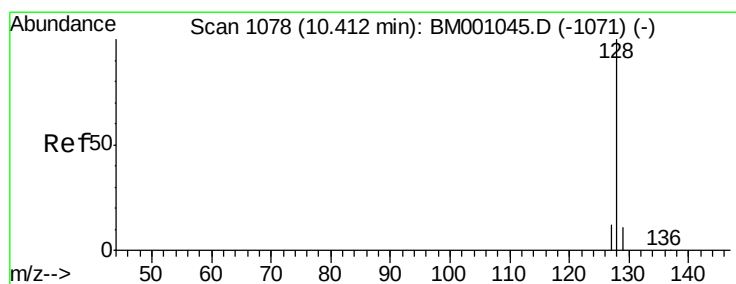
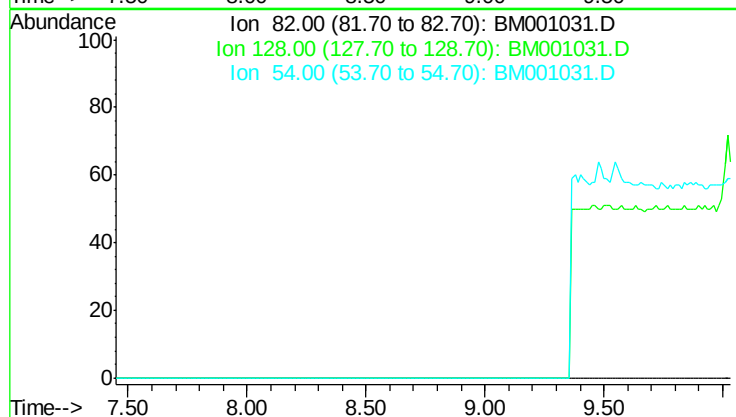
Tgt Ion: 82

Sig Exp Ratio

82 100

128 39.9

54 64.1



#6

Naphthalene

Concen: 4.29 ng

RT: 10.41 min Scan# 519

Delta R.T. -0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

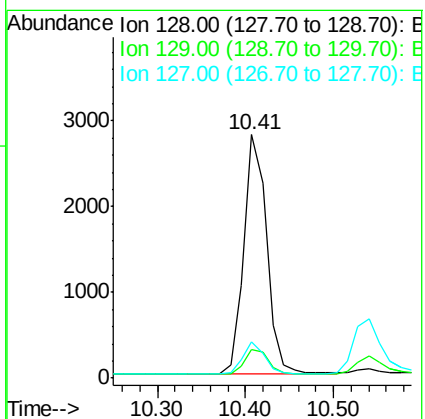
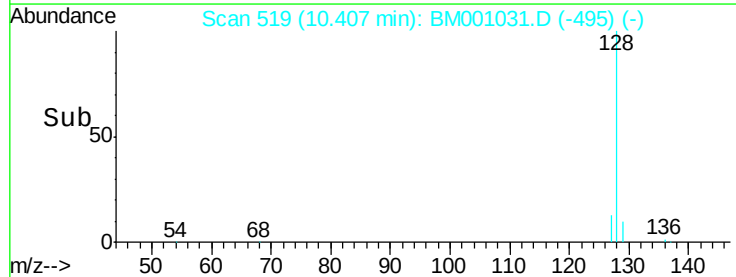
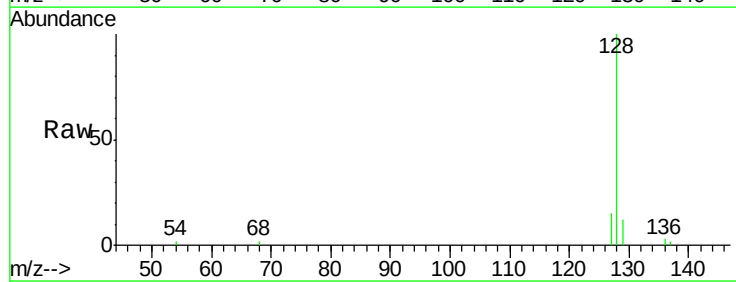
Tgt Ion: 128 Resp: 5022

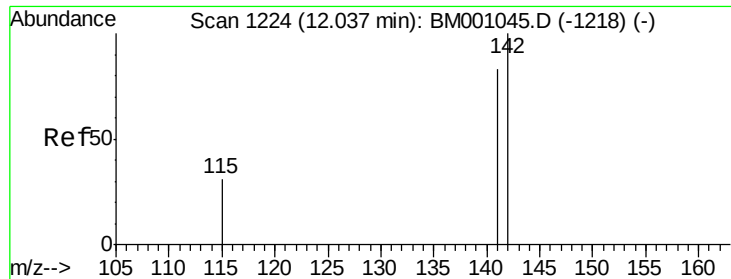
Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

127 14.7 10.0 15.0





#7

2-Methylnaphthalene

Concen: 4.37 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

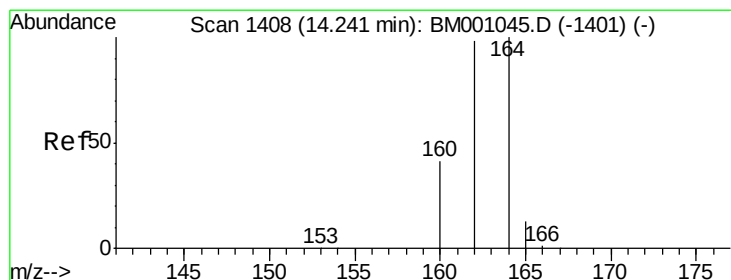
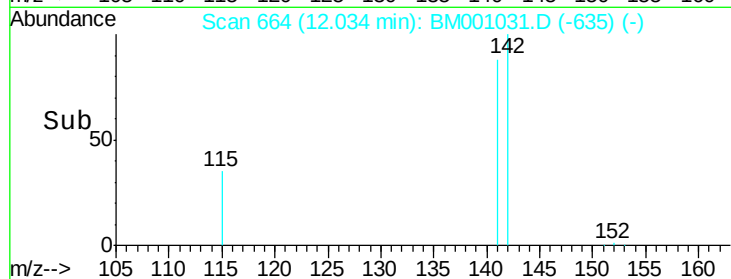
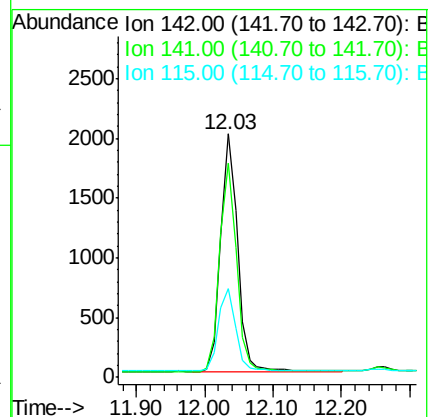
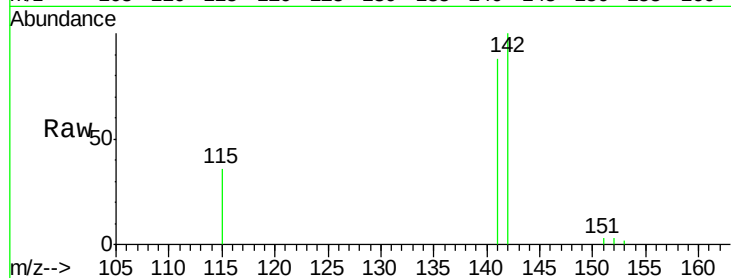
Tgt Ion:142 Resp: 3369

Ion Ratio Lower Upper

142 100

141 88.0 66.7 100.1

115 36.5 25.5 38.3



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

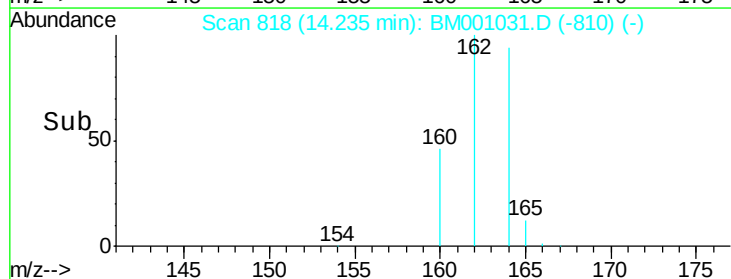
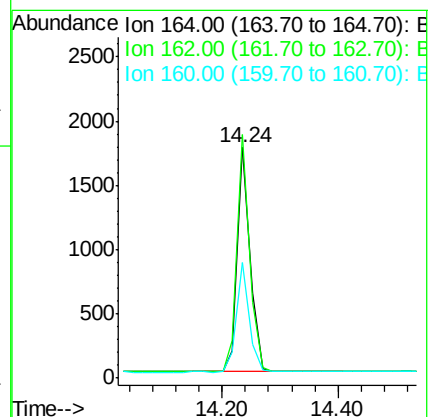
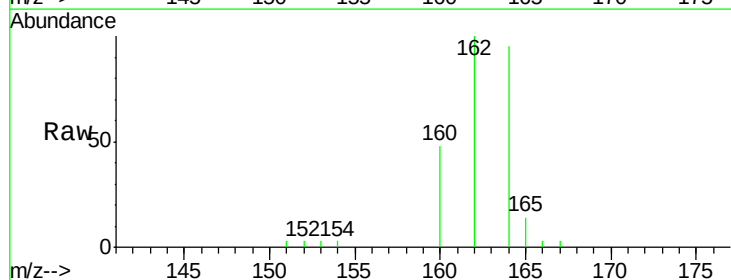
Tgt Ion:164 Resp: 2657

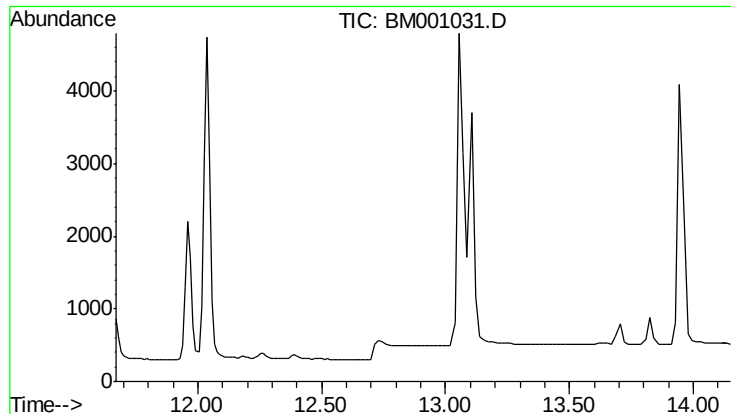
Ion Ratio Lower Upper

164 100

162 105.7 78.5 117.7

160 50.4 32.9 49.3

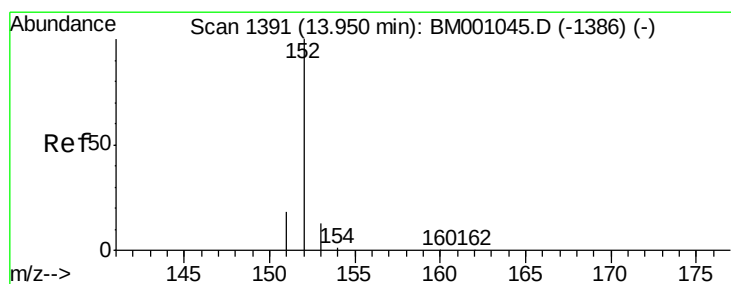
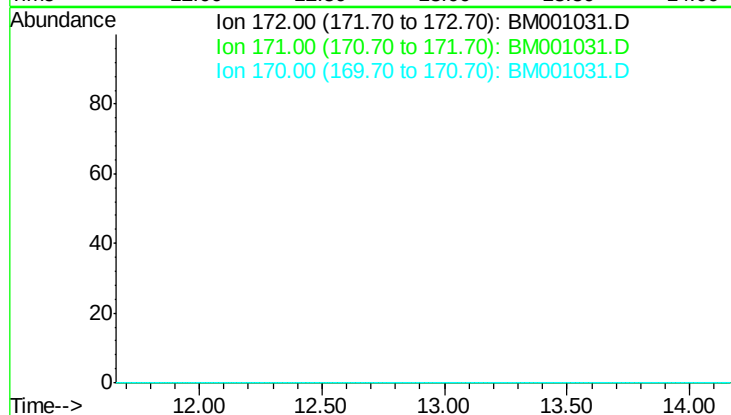




#9
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 12.86 min
 Lab File: BM001031.D
 Acq: 17 Apr 2015 13:13

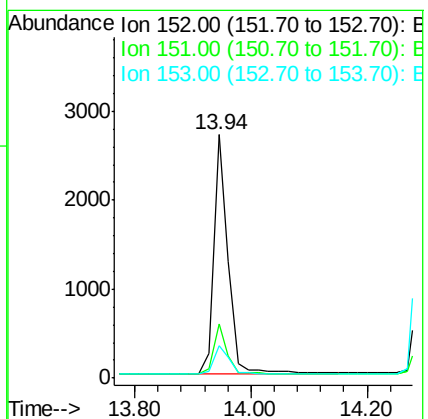
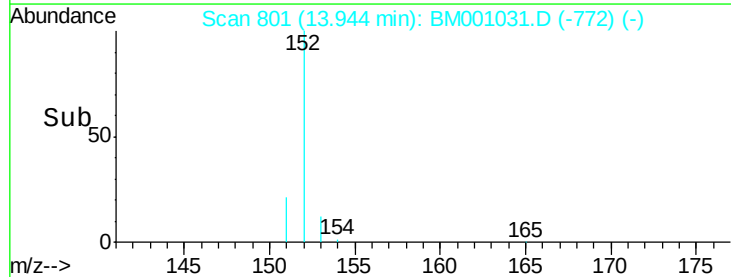
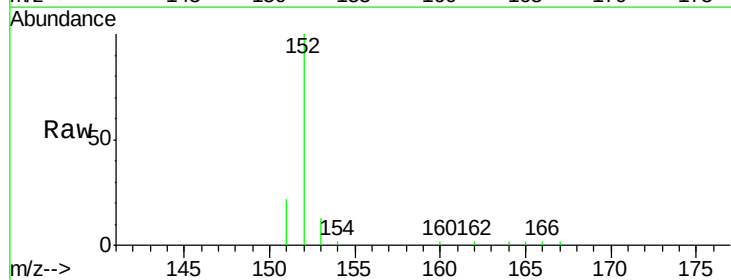
Instrument :
 BNA_M
 ClientSampleId :
 SST0.435

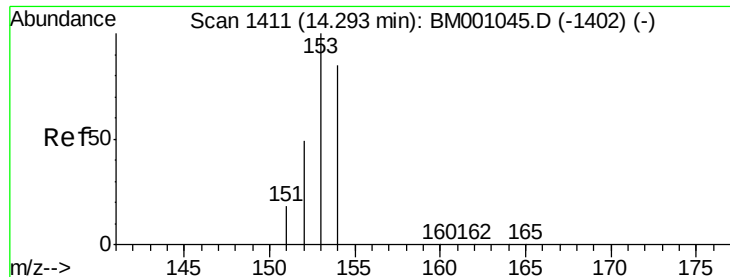
Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 32.0
 170 19.7



#10
 Acenaphthylene
 Concen: 3.10 ng
 RT: 13.94 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BM001031.D
 Acq: 17 Apr 2015 13:13

Tgt Ion: 152 Resp: 4587
 Ion Ratio Lower Upper
 152 100
 151 19.6 14.7 22.1
 153 12.9 10.2 15.2





#11

Acenaphthene

Concen: 4.08 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

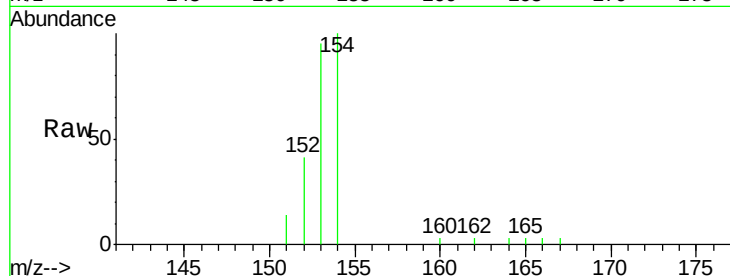
Tgt Ion:154 Resp: 3407

Ion Ratio Lower Upper

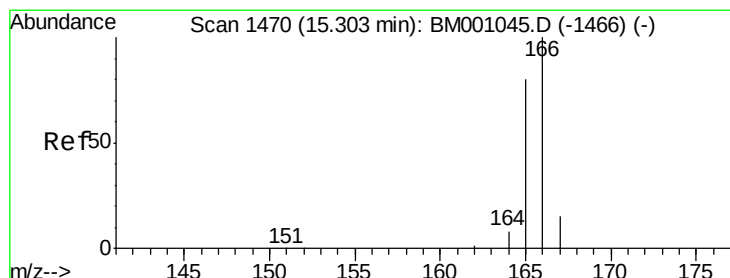
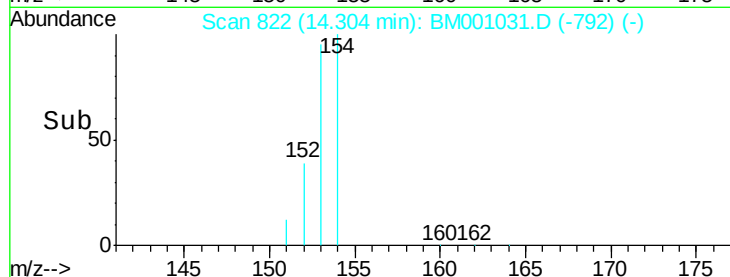
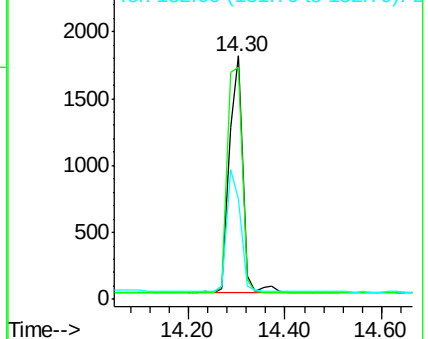
154 100

153 105.7 88.1 132.1

152 53.2 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: 4.33 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

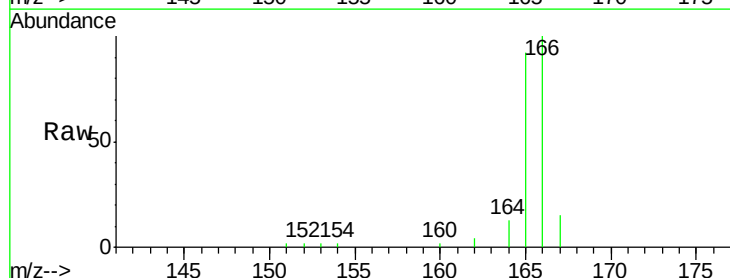
Tgt Ion:166 Resp: 4196

Ion Ratio Lower Upper

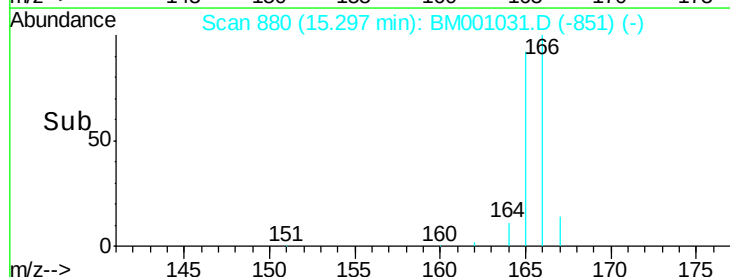
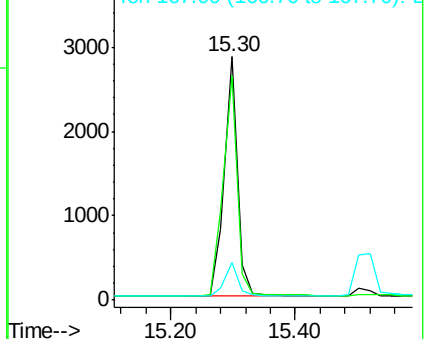
166 100

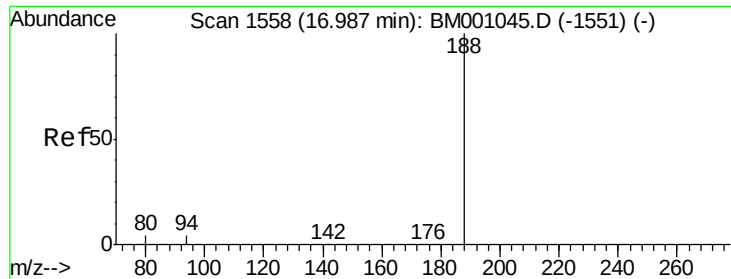
165 96.7 77.6 116.4

167 13.5 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

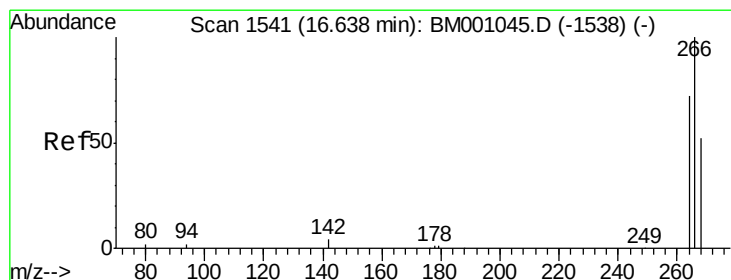
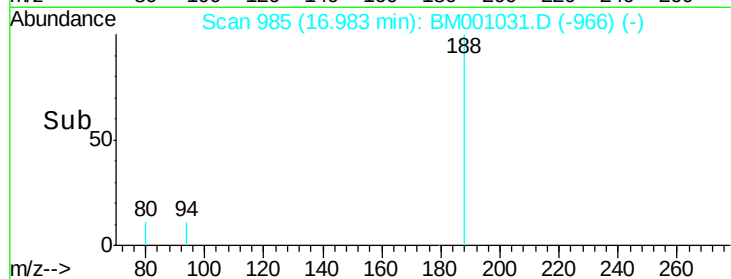
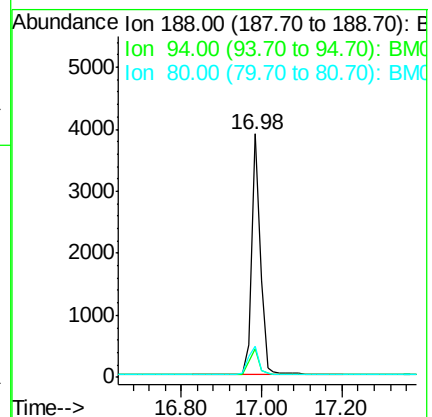
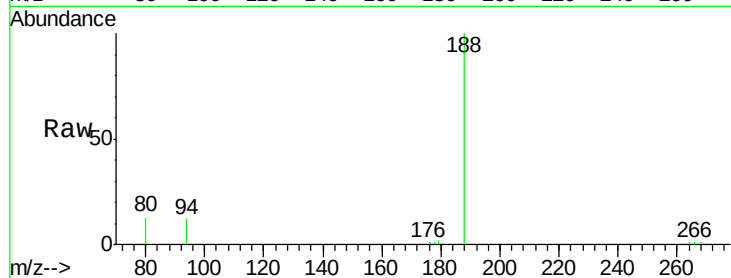




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 985
Delta R.T. -0.00 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

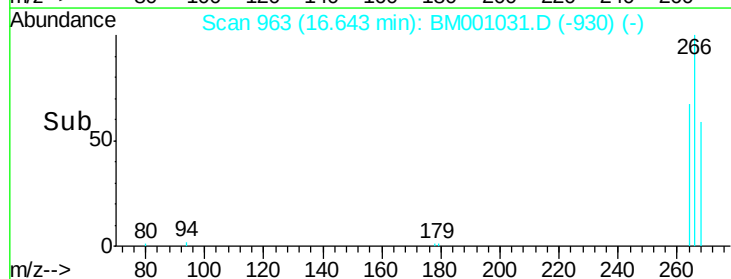
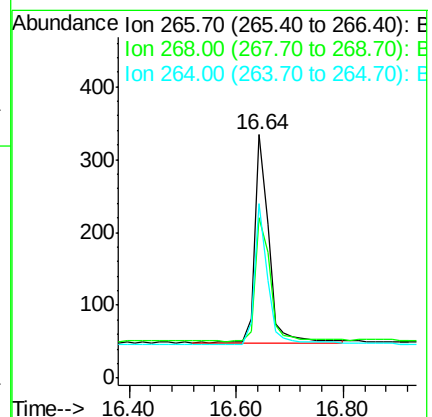
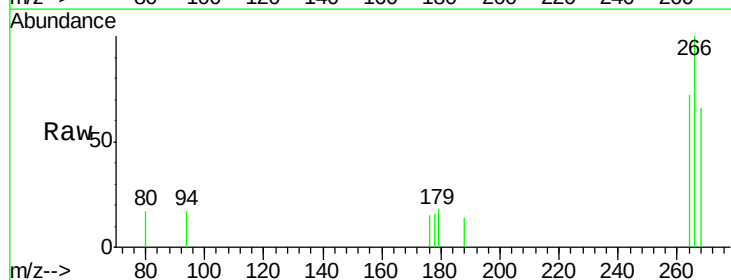
Instrument :
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ClientSampleId :
SSTD0.435

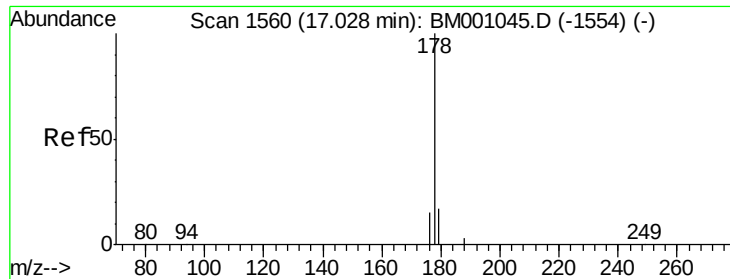
Tgt Ion:188 Resp: 5701
Ion Ratio Lower Upper
188 100
94 11.8 3.6 5.4#
80 12.6 3.0 4.6#



#15
Pentachlorophenol
Concen: 4.96 ng
RT: 16.64 min Scan# 963
Delta R.T. 0.01 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

Tgt Ion:266 Resp: 525
Ion Ratio Lower Upper
266 100
268 65.9 46.3 69.5
264 71.9 59.8 89.6





#16

Phenanthrene

Concen: 4.21 ng

RT: 17.03 min Scan# 988

Delta R.T. 0.00 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

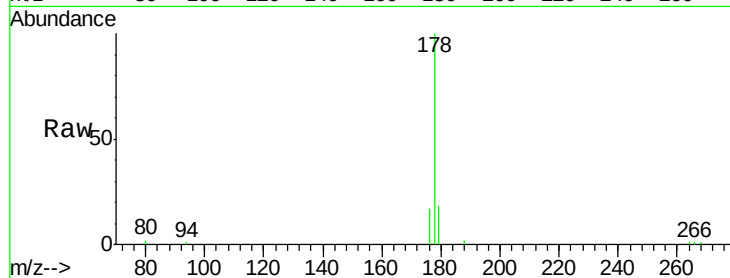
Tgt Ion:178 Resp: 6481

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

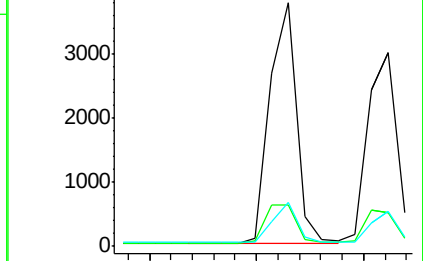
179 15.4 12.6 19.0



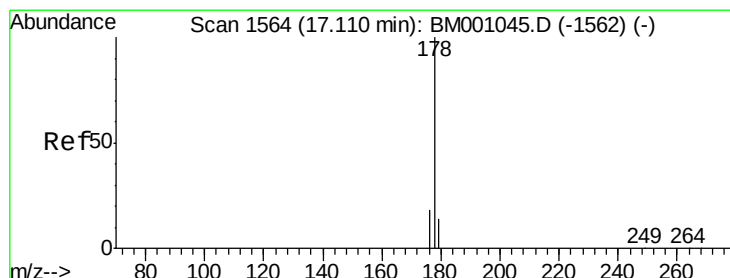
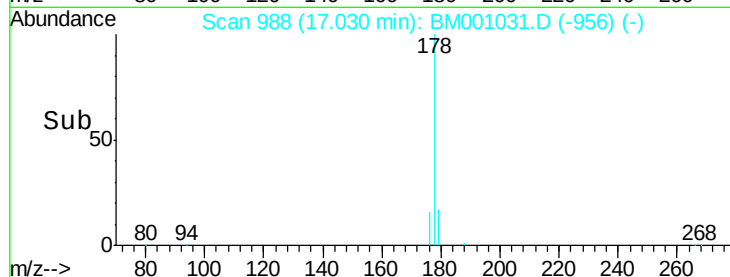
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Anthracene

Concen: 4.53 ng

RT: 17.12 min Scan# 994

Delta R.T. 0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

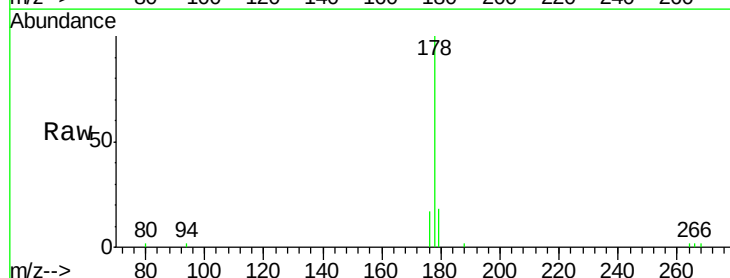
Tgt Ion:178 Resp: 6030

Ion Ratio Lower Upper

178 100

176 17.8 14.3 21.5

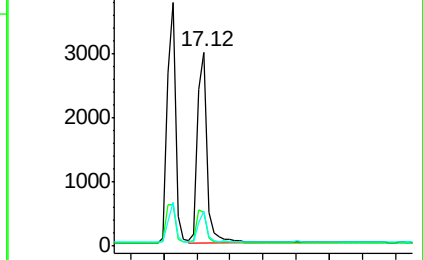
179 15.4 11.8 17.8



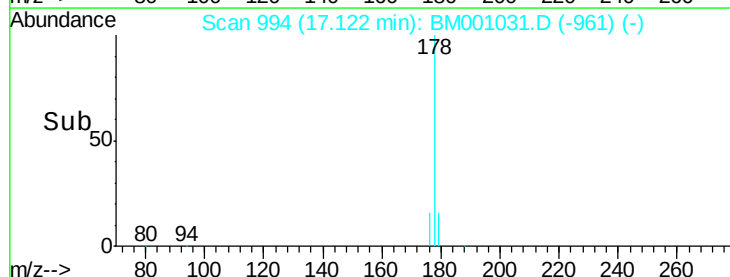
Abundance Ion 178.00 (177.70 to 178.70): E

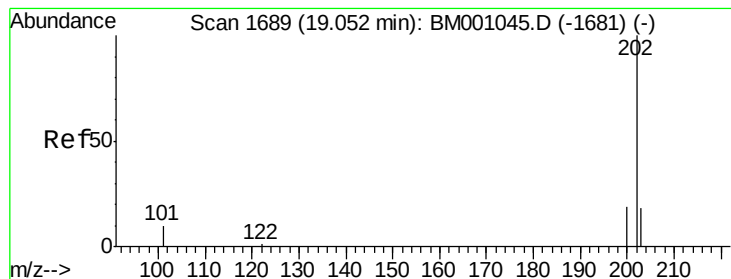
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#18

Fluoranthene

Concen: 4.72 ng

RT: 19.06 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

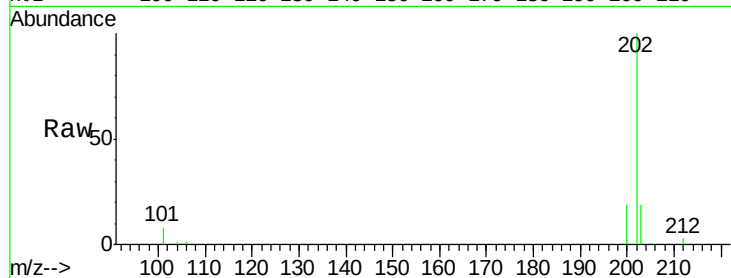
Tgt Ion:202 Resp: 7101

Ion Ratio Lower Upper

202 100

101 12.9 10.1 15.1

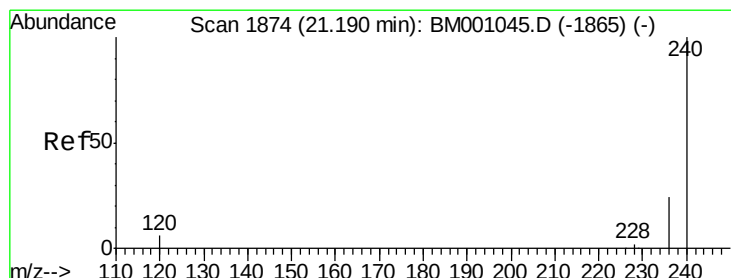
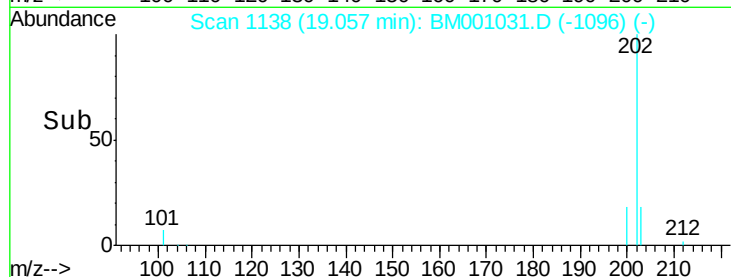
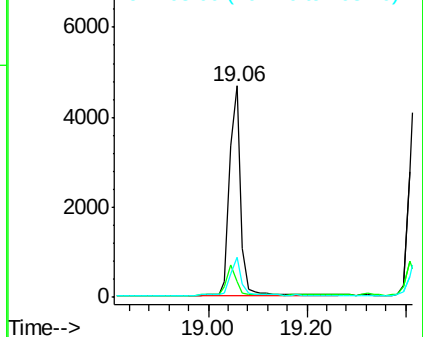
203 17.4 13.8 20.8



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# 1330

Delta R.T. 0.00 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

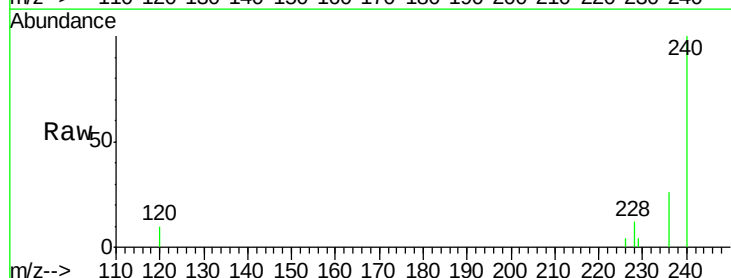
Tgt Ion:240 Resp: 4814

Ion Ratio Lower Upper

240 100

120 9.6 4.6 6.8#

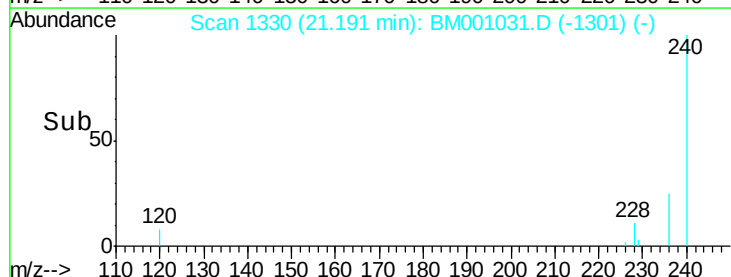
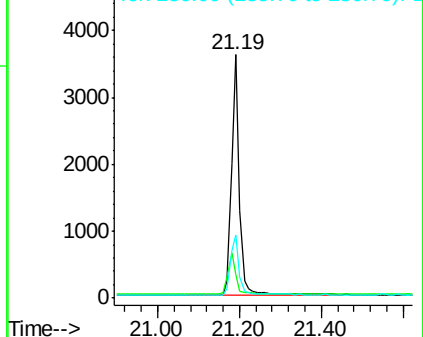
236 26.0 19.1 28.7

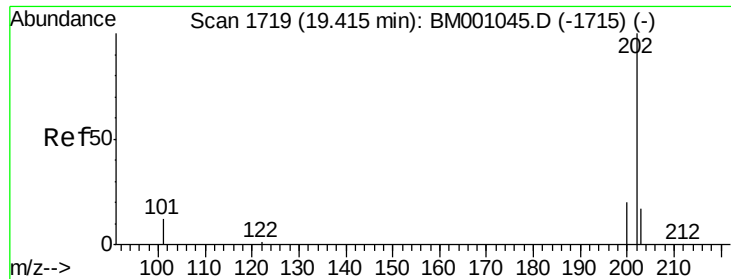


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

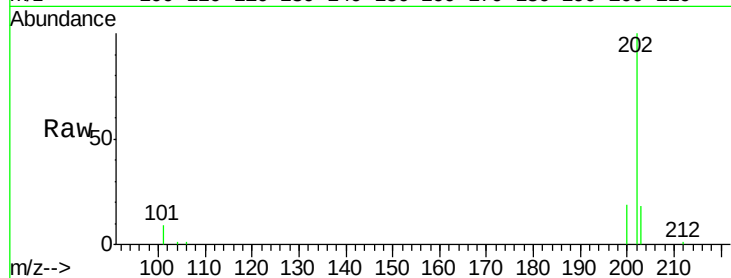




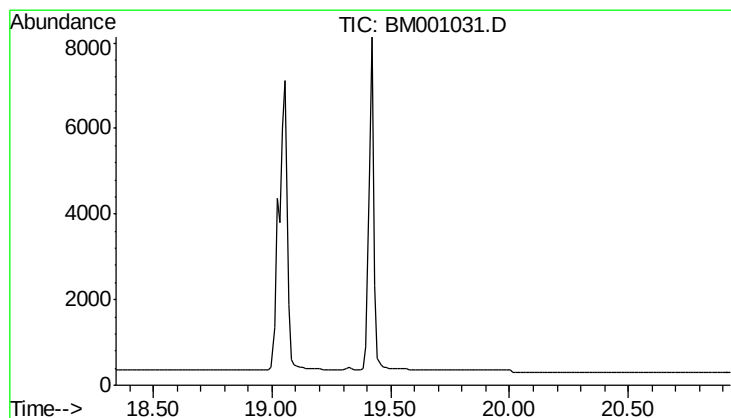
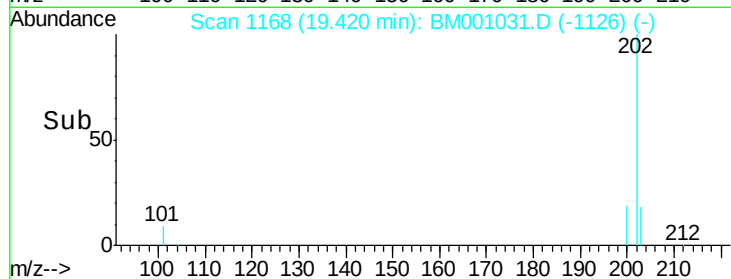
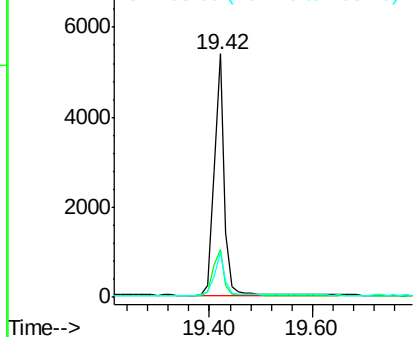
#20
Pyrene
Concen: 4.56 ng
RT: 19.42 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

Instrument :
BNA_M
ClientSampleId :
SSTD0.435

Tgt Ion: 202 Resp: 7388
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.8 13.8 20.6



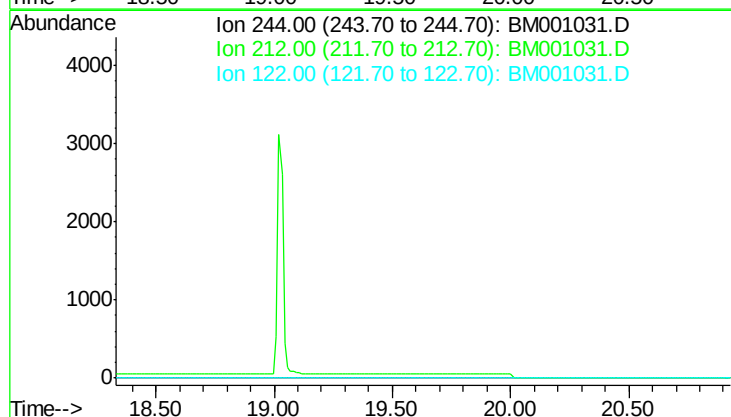
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

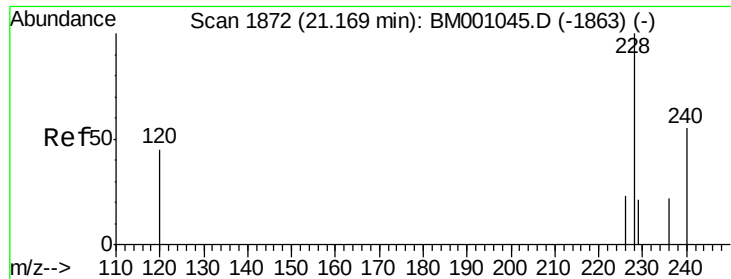


#21
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.63 min

Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

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

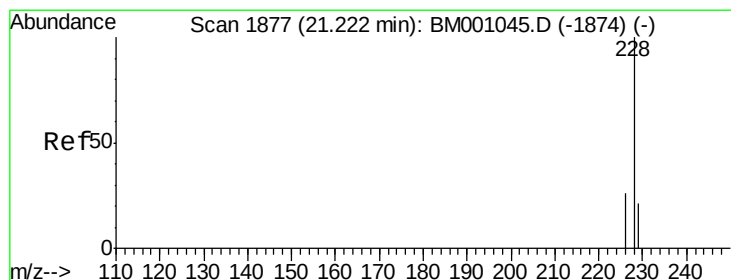
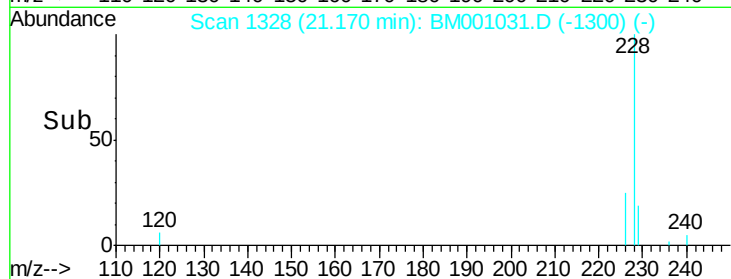
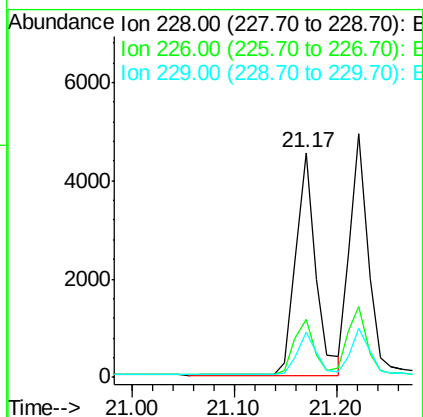
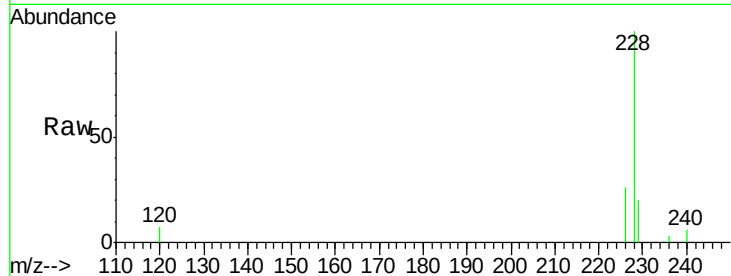




#22
Benzo(a)anthracene
Concen: 4.12 ng
RT: 21.17 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

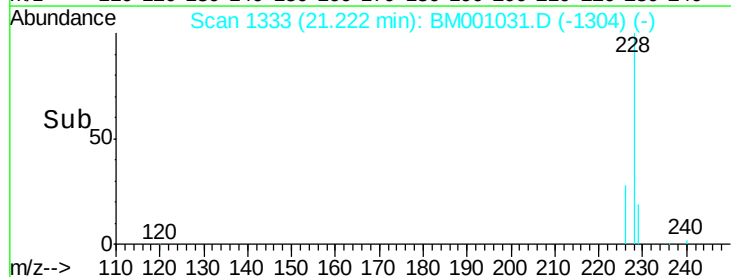
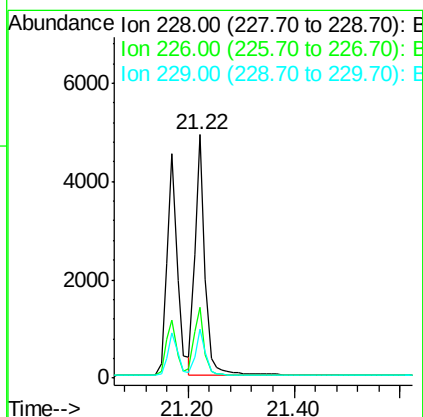
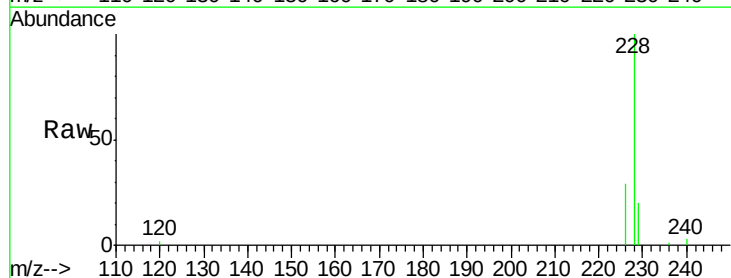
Instrument :
BNA_M
ClientSampleId :
SSTD0.435

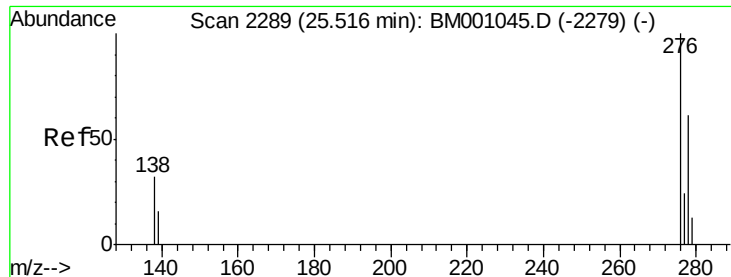
Tgt Ion:228 Resp: 6105
Ion Ratio Lower Upper
228 100
226 25.9 19.0 28.6
229 20.0 16.8 25.2



#23
Chrysene
Concen: 4.62 ng
RT: 21.22 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

Tgt Ion:228 Resp: 6521
Ion Ratio Lower Upper
228 100
226 28.9 20.6 31.0
229 20.0 17.2 25.8





#24

Indeno(1,2,3-cd)pyrene

Concen: 4.22 ng

RT: 25.52 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

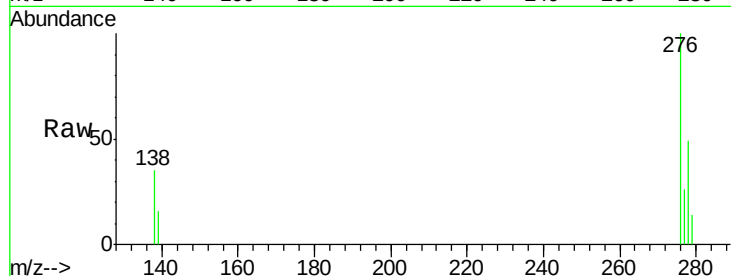
Tgt Ion:276 Resp: 6598

Ion Ratio Lower Upper

276 100

138 32.9 26.3 39.5

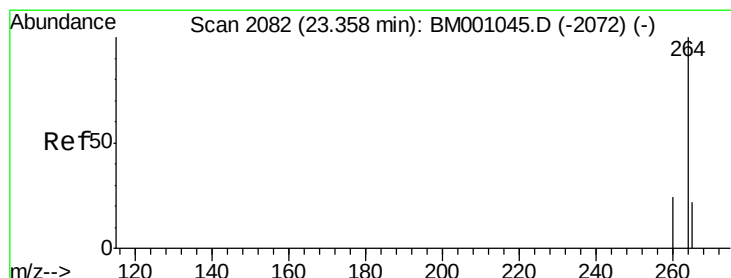
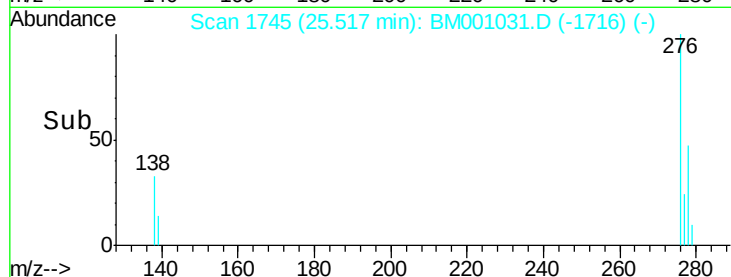
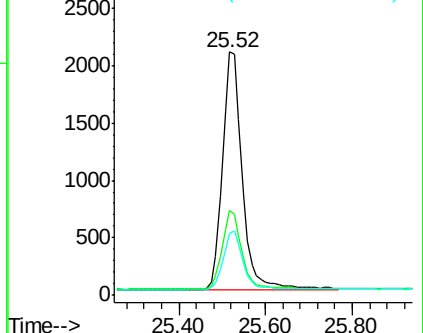
277 24.4 19.5 29.3



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: BM001031.D

Acq: 17 Apr 2015 13:13

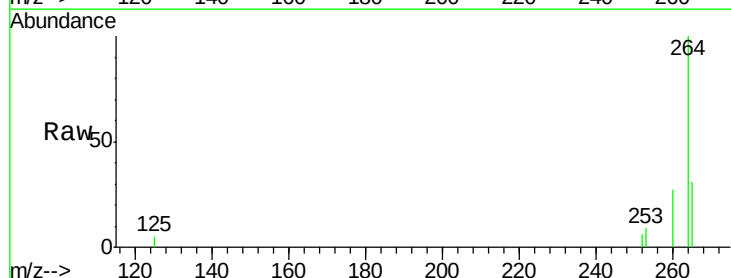
Tgt Ion:264 Resp: 4302

Ion Ratio Lower Upper

264 100

260 27.1 19.0 28.6

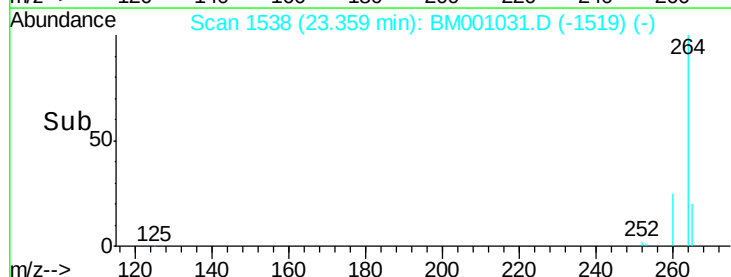
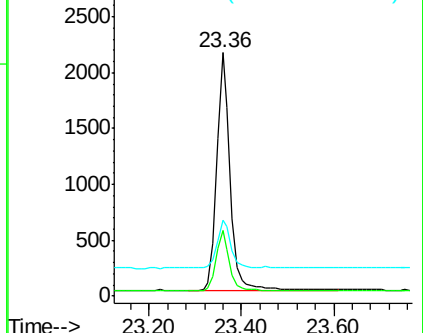
265 31.3 17.9 26.9#

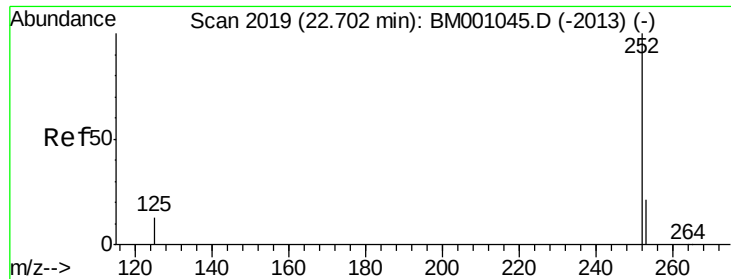


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

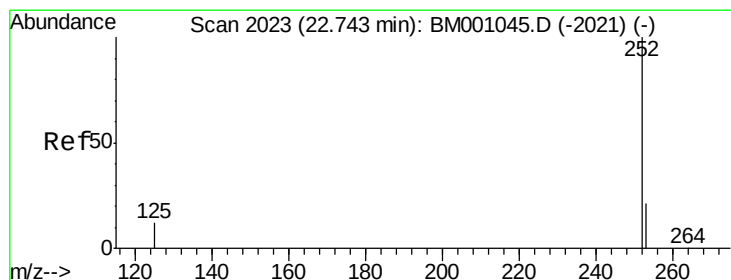
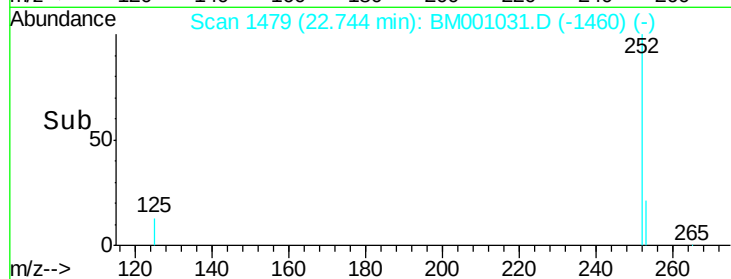
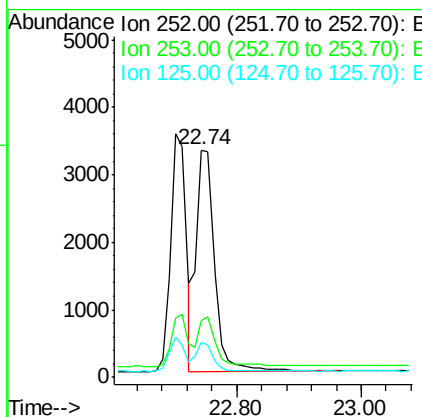
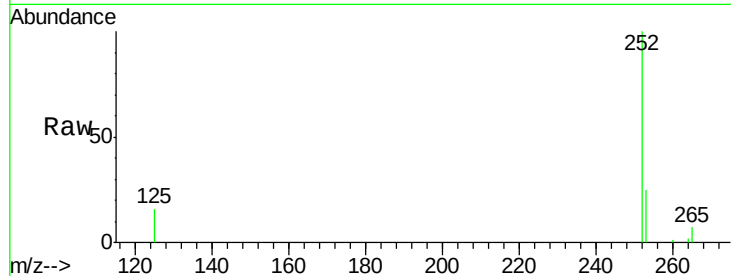




#26
Benzo(b)fluoranthene
Concen: 4.58 ng
RT: 22.74 min Scan# 1479
Delta R.T. 0.04 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

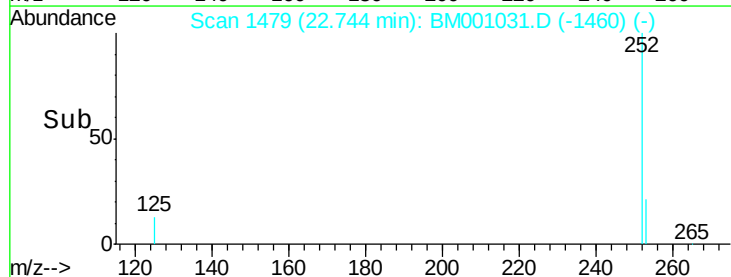
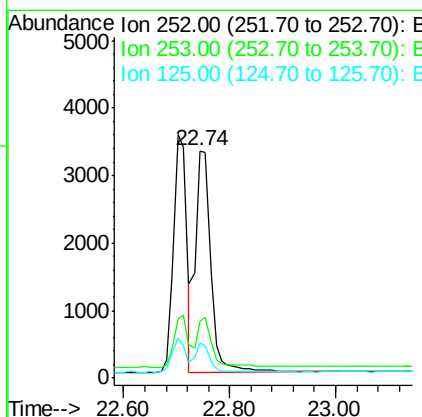
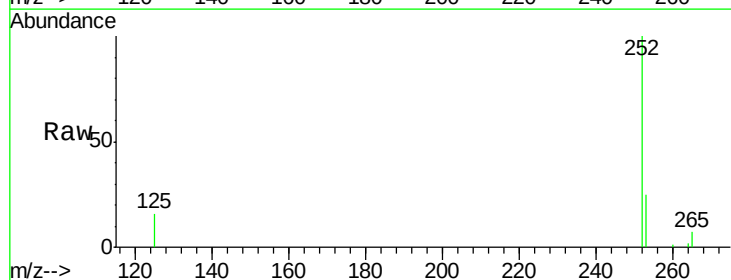
Instrument :
BNA_M
ClientSampleId :
SSTD0.435

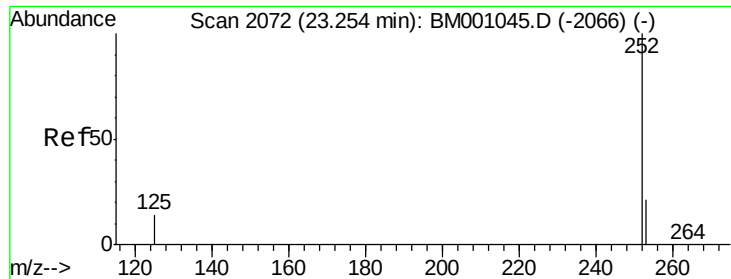
Tgt Ion:252 Resp: 6540
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 15.7 10.9 16.3



#27
Benzo(k)fluoranthene
Concen: 5.05 ng
RT: 22.74 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BM001031.D
Acq: 17 Apr 2015 13:13

Tgt Ion:252 Resp: 6618
Ion Ratio Lower Upper
252 100
253 24.9 18.3 27.5
125 15.7 10.6 15.8





#28

Benzo(a)pyrene

Concen: 4.78 ng

RT: 23.25 min Scan# 1528

Delta R.T. 0.00 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435

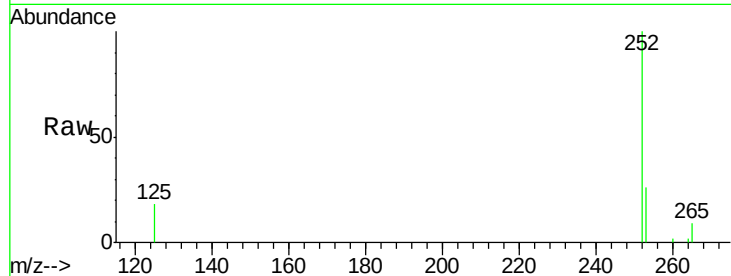
Tgt Ion:252 Resp: 5942

Ion Ratio Lower Upper

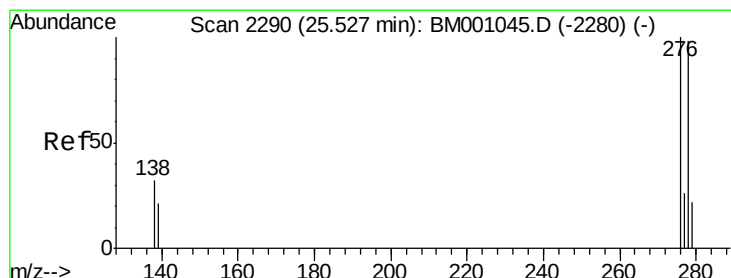
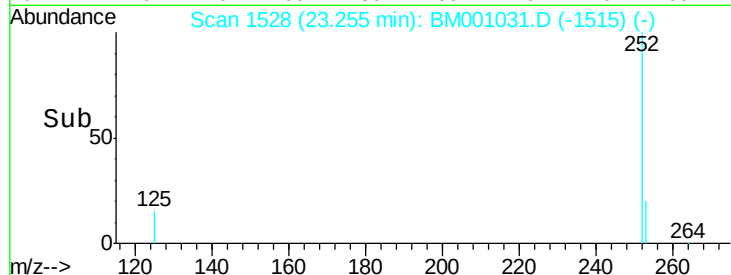
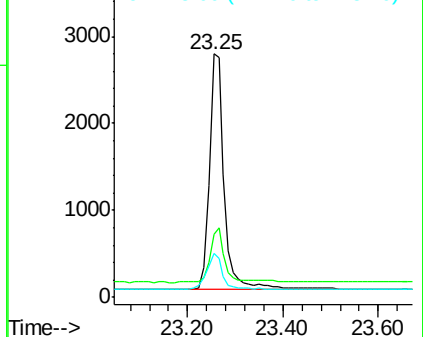
252 100

253 25.8 18.6 27.8

125 18.2 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: 4.26 ng

RT: 25.54 min Scan# 1747

Delta R.T. 0.01 min

Lab File: BM001031.D

Acq: 17 Apr 2015 13:13

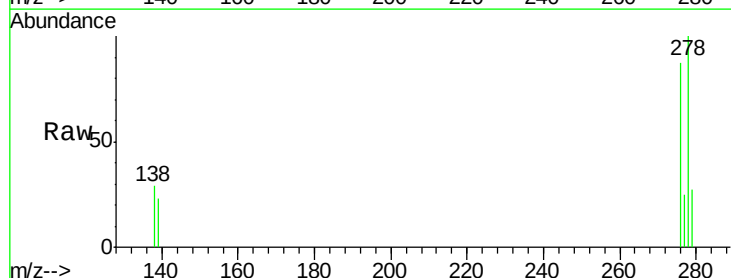
Tgt Ion:278 Resp: 5299

Ion Ratio Lower Upper

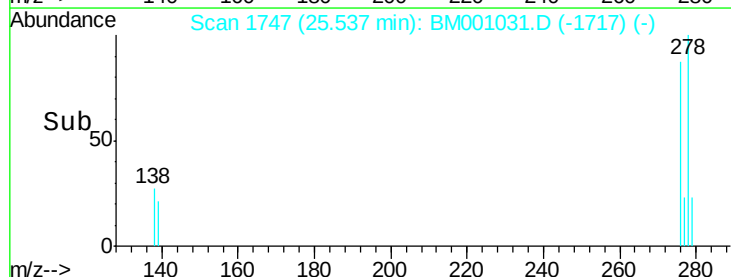
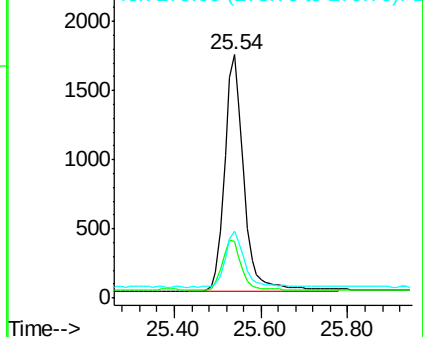
278 100

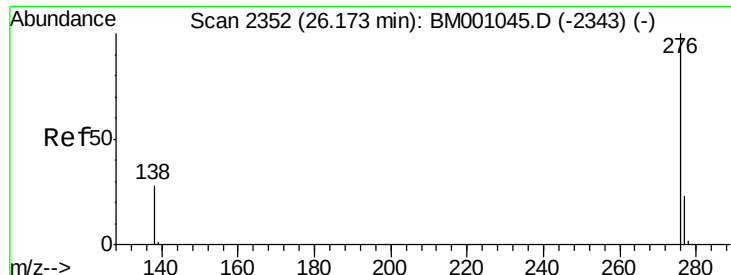
139 23.4 18.2 27.2

279 27.3 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: 4.59 ng

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001031.D

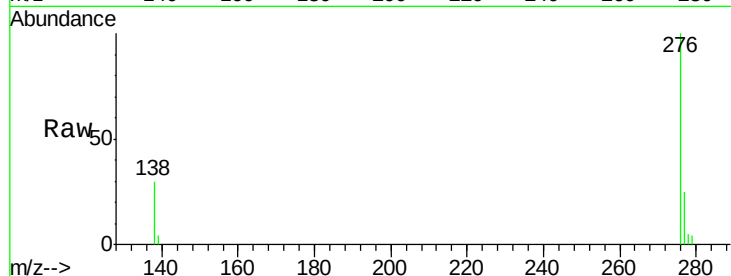
Acq: 17 Apr 2015 13:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.435



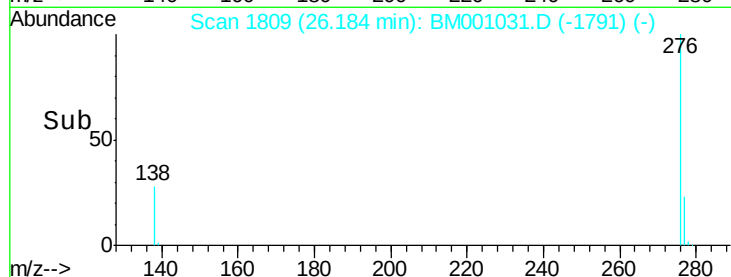
Tgt Ion: 276 Resp: 5821

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.4

138 29.8 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

