

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041715\
 Data File : BM001033.D
 Acq On : 17 Apr 2015 14:25
 Operator : TP/IZ
 Sample : SSTD1.637
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.637

Quant Time: Apr 20 08:50:09 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	1353	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	4948	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	2590	5.00	ng	0.00
13) Phenanthrene-d10	16.98	188	5519	5.00	ng	0.00
19) Chrysene-d12	21.19	240	5033	5.00	ng	0.00
25) Perylene-d12	23.36	264	4387	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

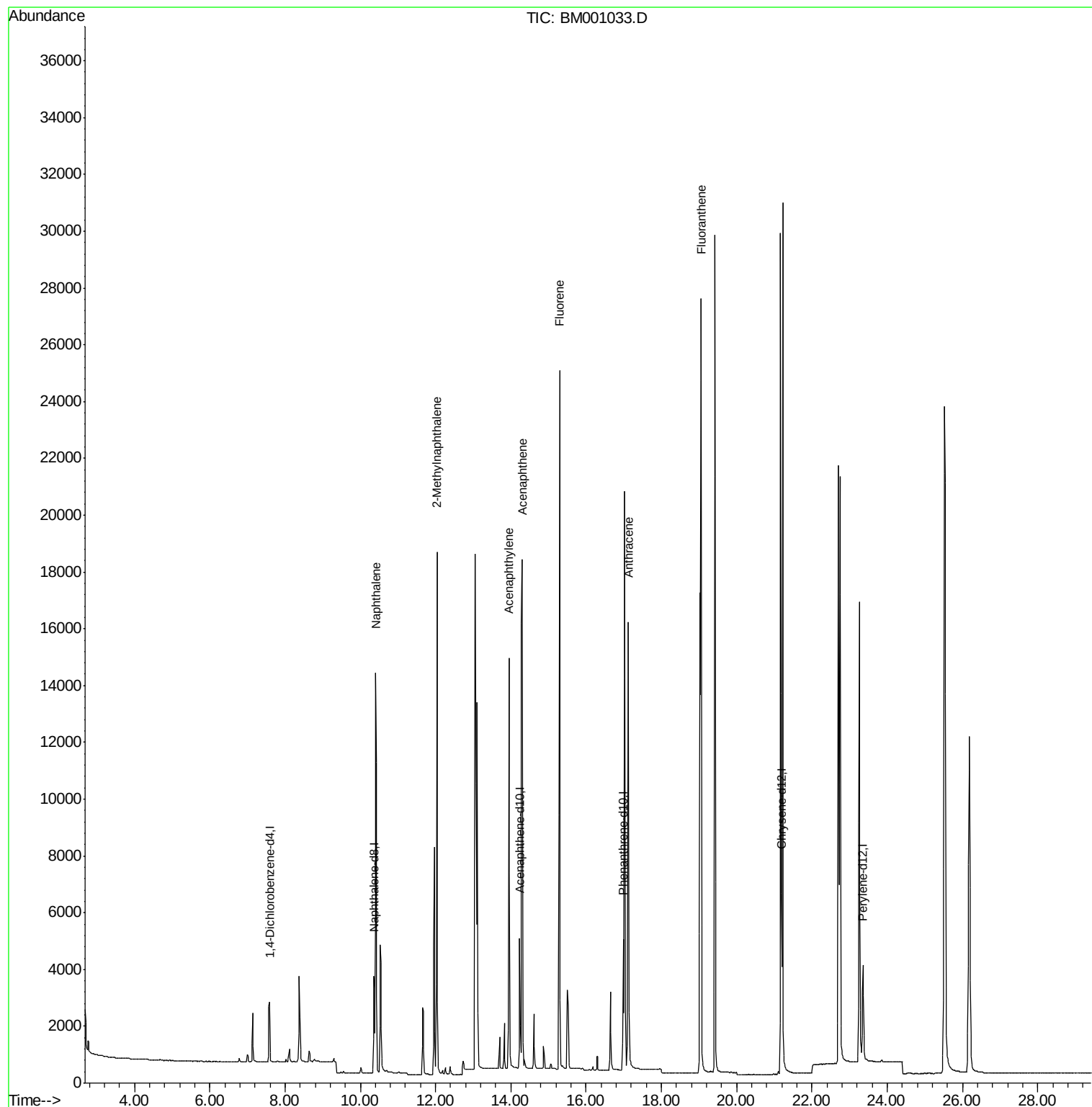
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.41	128	20003	16.84	ng	98
7) 2-Methylnaphthalene	12.03	142	13499	17.29	ng	96
10) Acenaphthylene	13.94	152	18624	12.17	ng	99
11) Acenaphthene	14.30	154	13251	16.29	ng	98
12) Fluorene	15.30	166	16640	17.61	ng	99
15) Pentachlorophenol	16.64	266	2073	Below	Cal	95
16) Phenanthrene	17.03	178	25579	Below	Cal	99
17) Anthracene	17.12	178	24089	18.71	ng	99
18) Fluoranthene	19.06	202	29388	20.16	ng	100
20) Pyrene	19.42	202	29627	Below	Cal	99
22) Benzo(a)anthracene	21.17	228	25005	Below	Cal	98
23) Chrysene	21.22	228	27286	Below	Cal	97
24) Indeno(1,2,3-cd)pyrene	25.52	276	27217	Below	Cal	100
26) Benzo(b)fluoranthene	22.70	252	25412	Below	Cal	98
27) Benzo(k)fluoranthene	22.74	252	26249	Below	Cal	98
28) Benzo(a)pyrene	23.25	252	24127	Below	Cal	98
29) Dibenzo(a,h)anthracene	25.54	278	22139	Below	Cal	98
30) Benzo(g,h,i)perylene	26.18	276	23657	Below	Cal	98

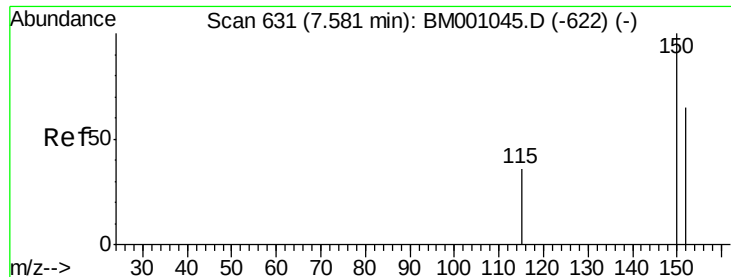
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

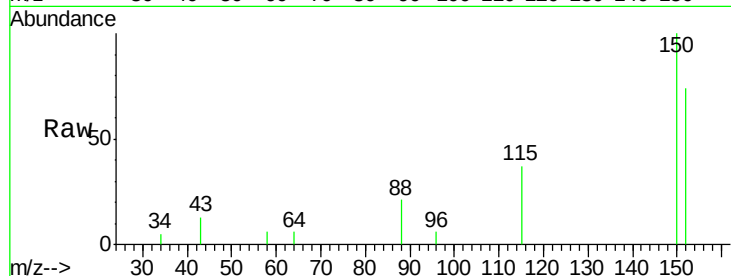
Tgt Ion:152 Resp: 1353

Ion Ratio Lower Upper

152 100

150 135.9 123.3 184.9

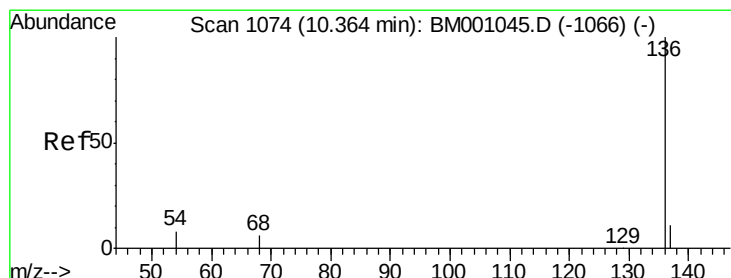
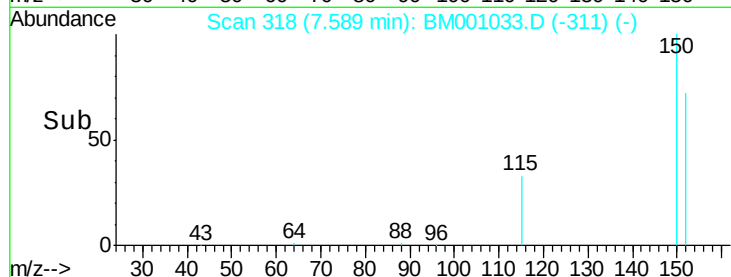
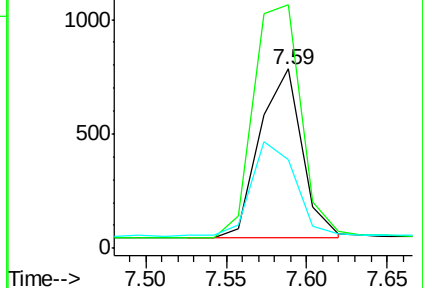
115 49.7 45.0 67.6



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: BM001033.D

Acq: 17 Apr 2015 14:25

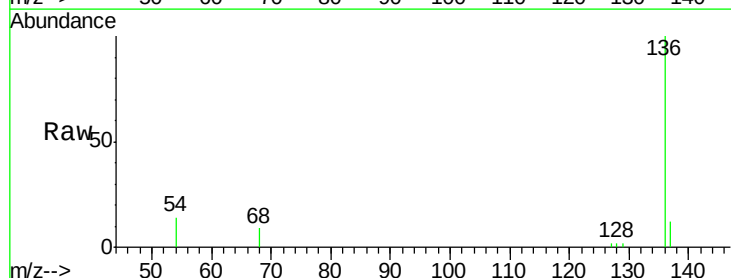
Tgt Ion:136 Resp: 4948

Ion Ratio Lower Upper

136 100

137 11.6 8.6 13.0

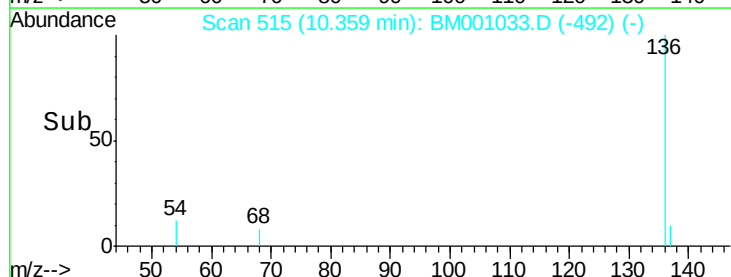
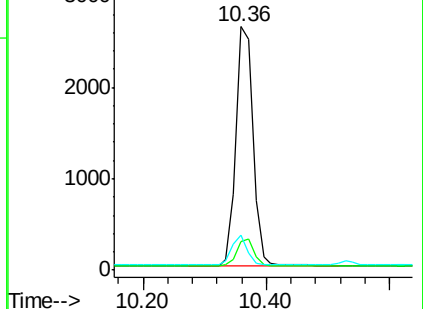
54 14.1 6.5 9.7#

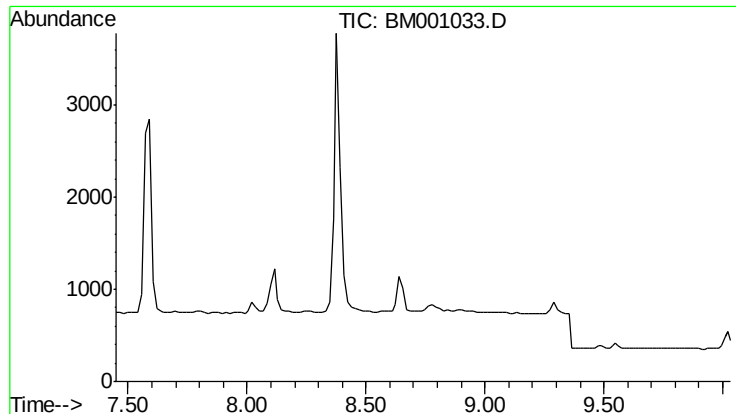


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM



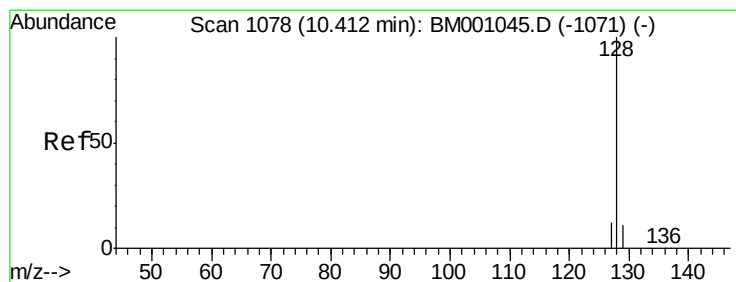
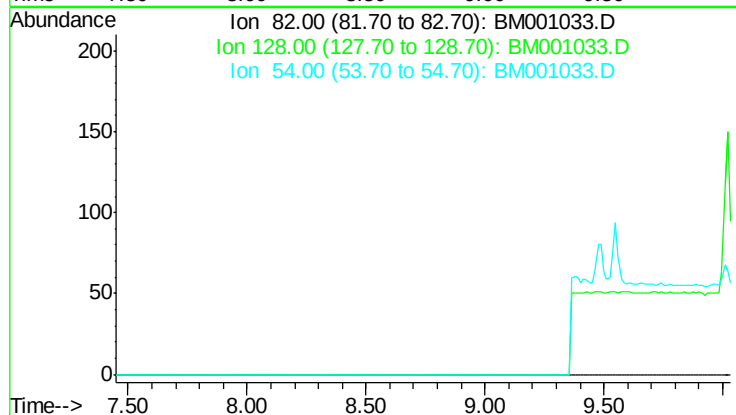


#5
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.74 min
 Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.637

Tgt Ion: 82

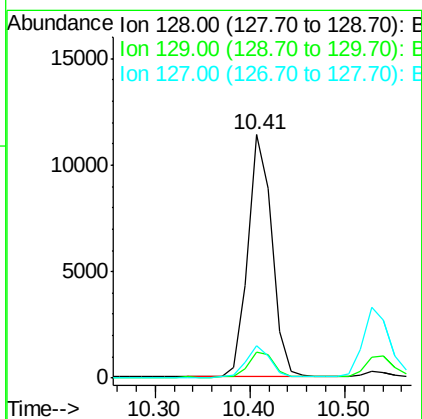
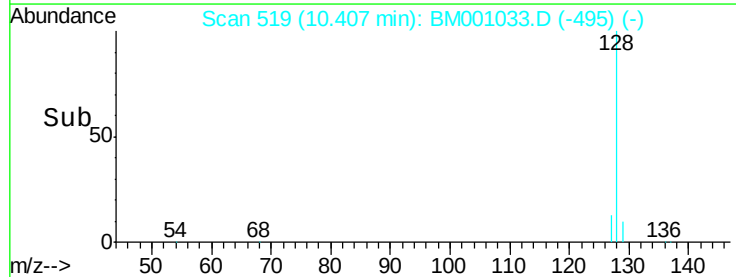
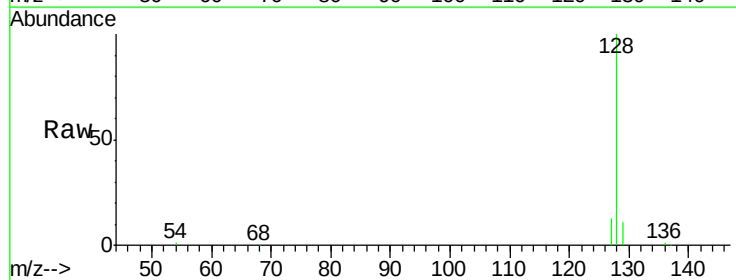
Sig	Exp Ratio
82	100
128	39.9
54	64.1

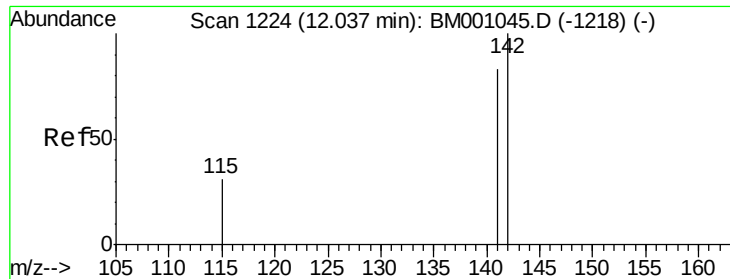


#6
 Naphthalene
 Concen: 16.84 ng
 RT: 10.41 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

Tgt Ion: 128 Resp: 20003

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	13.5	10.0	15.0





#7

2-Methylnaphthalene

Concen: 17.29 ng

RT: 12.03 min Scan# 664

Delta R.T. -0.00 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

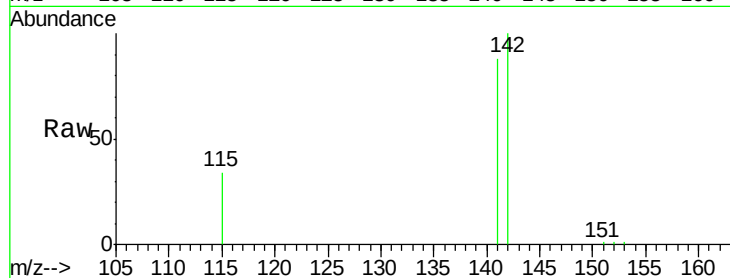
Tgt Ion:142 Resp: 13499

Ion Ratio Lower Upper

142 100

141 87.6 66.7 100.1

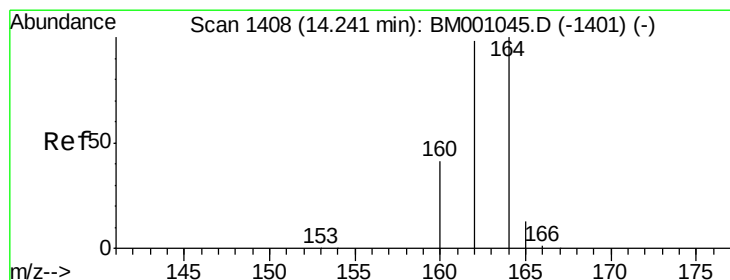
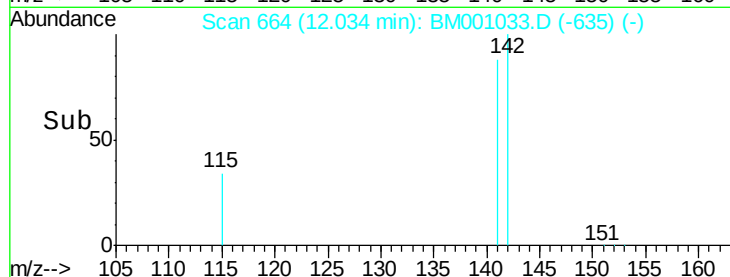
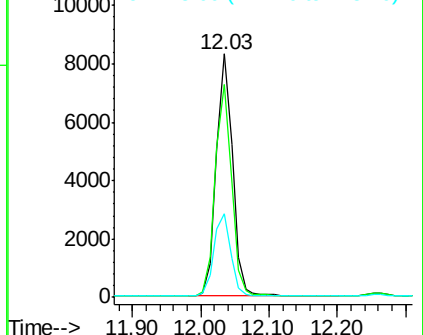
115 34.2 25.5 38.3



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# 818

Delta R.T. -0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

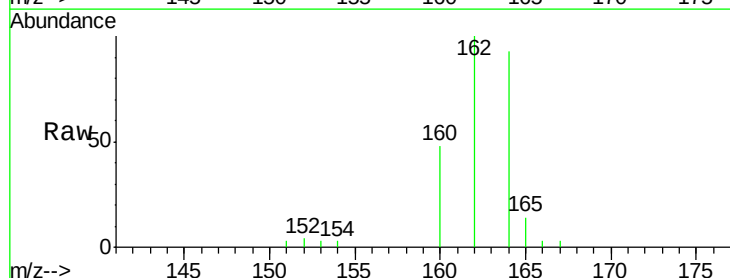
Tgt Ion:164 Resp: 2590

Ion Ratio Lower Upper

164 100

162 107.2 78.5 117.7

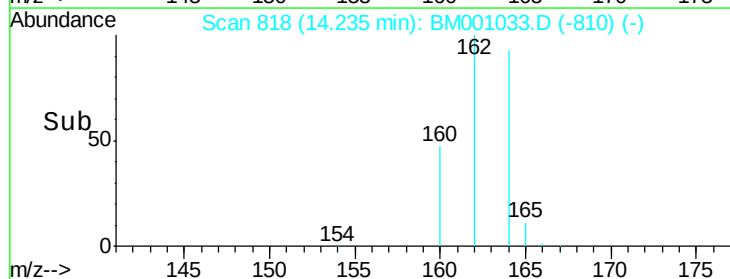
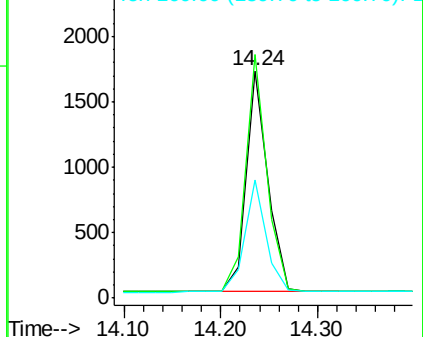
160 51.8 32.9 49.3

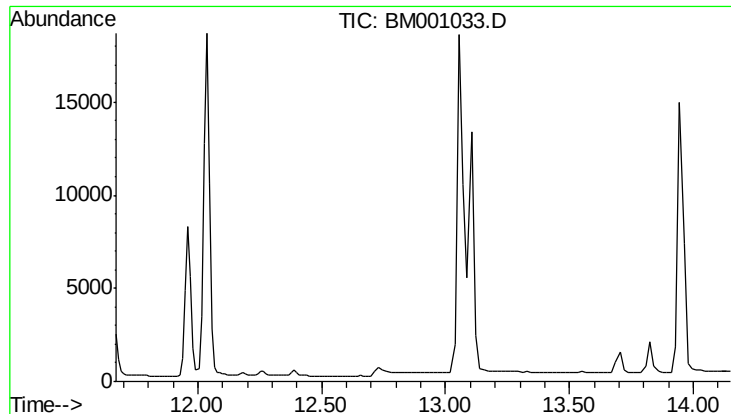


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



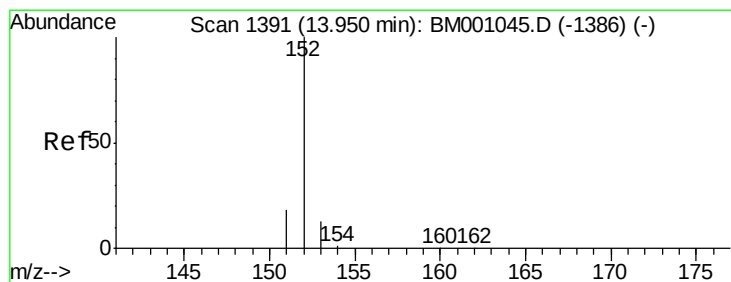
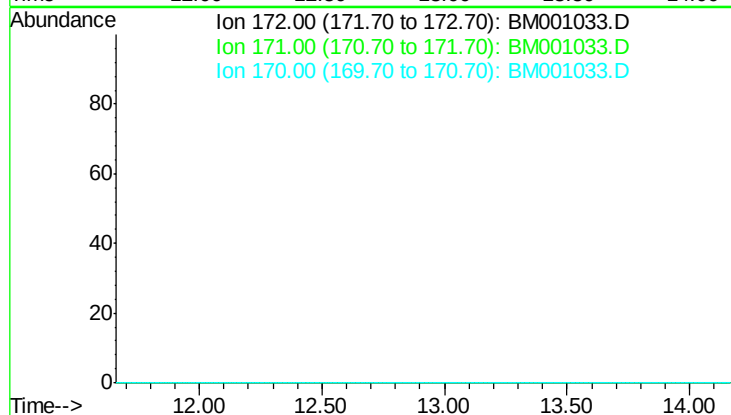


#9
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 12.86 min
 Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.637

Tgt Ion: 172

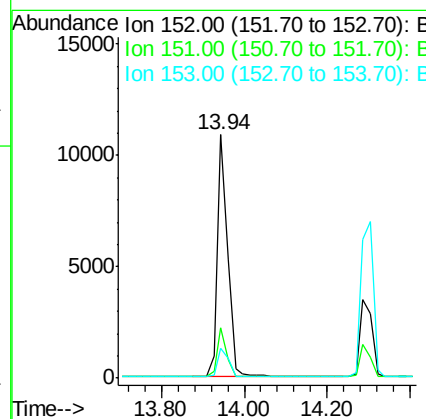
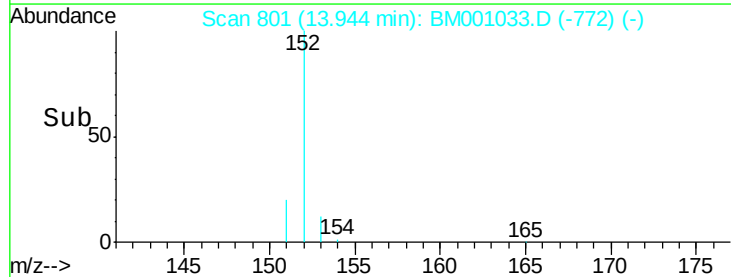
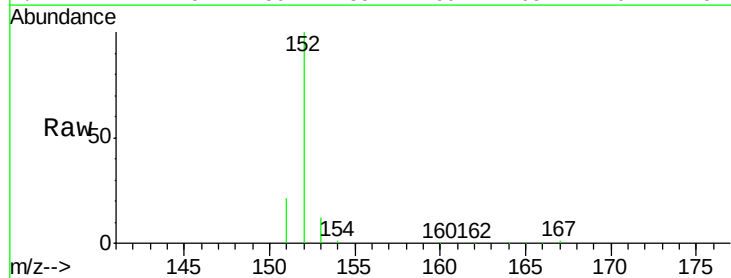
Sig	Exp Ratio
172	100
171	32.0
170	19.7

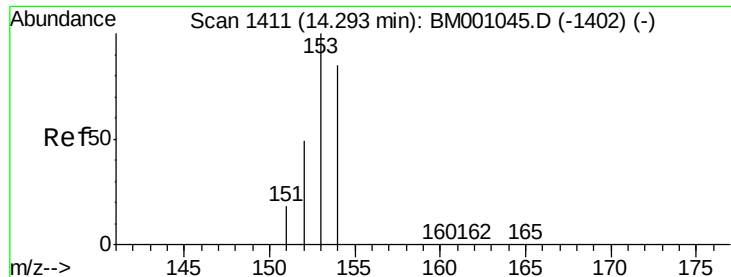


#10
 Acenaphthylene
 Concen: 12.17 ng
 RT: 13.94 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

Tgt Ion: 152 Resp: 18624

Ion	Ratio	Lower	Upper
152	100		
151	19.2	14.7	22.1
153	13.0	10.2	15.2





#11

Acenaphthene

Concen: 16.29 ng

RT: 14.30 min Scan# 822

Delta R.T. 0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

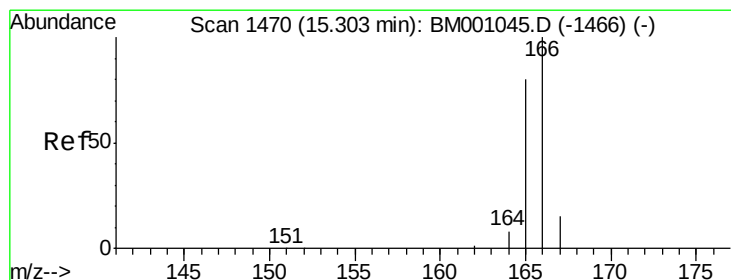
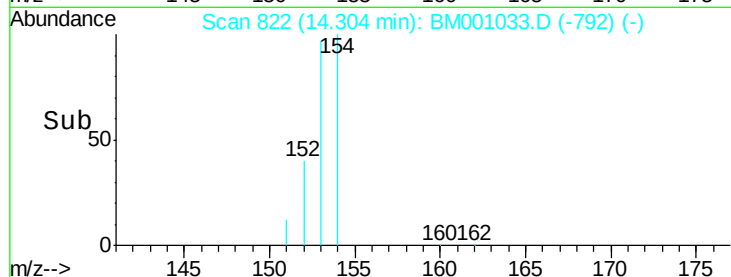
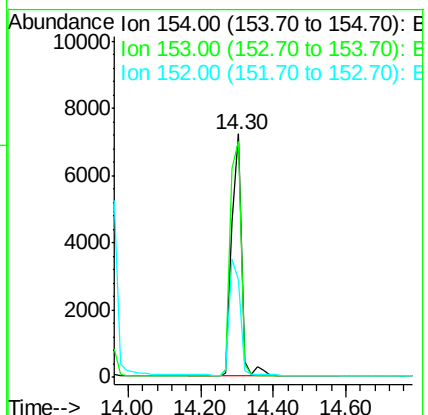
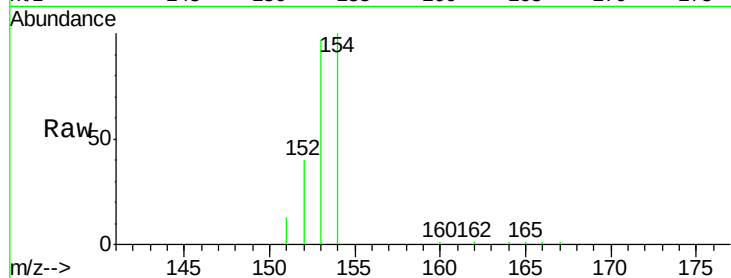
Tgt Ion:154 Resp: 13251

Ion Ratio Lower Upper

154 100

153 106.9 88.1 132.1

152 52.6 42.3 63.5



#12

Fluorene

Concen: 17.61 ng

RT: 15.30 min Scan# 880

Delta R.T. -0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

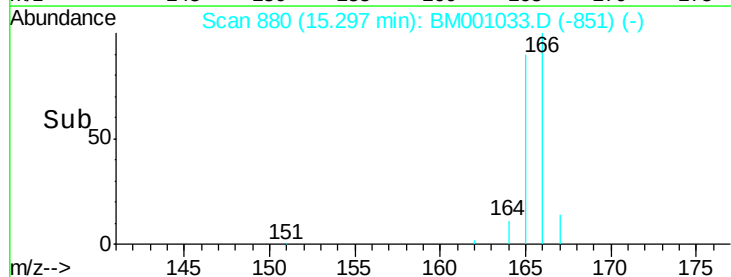
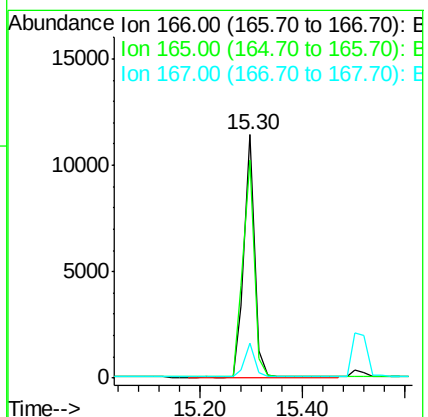
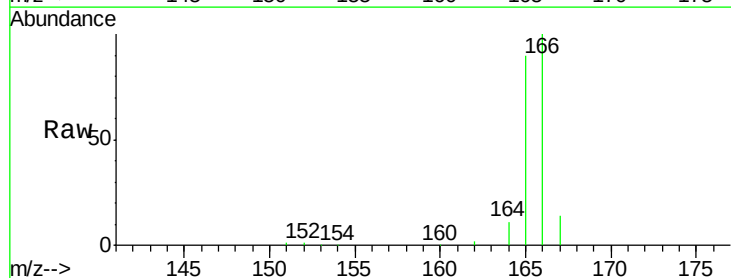
Tgt Ion:166 Resp: 16640

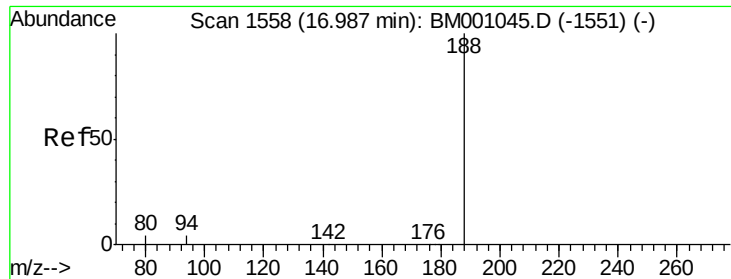
Ion Ratio Lower Upper

166 100

165 96.2 77.6 116.4

167 13.4 10.6 16.0

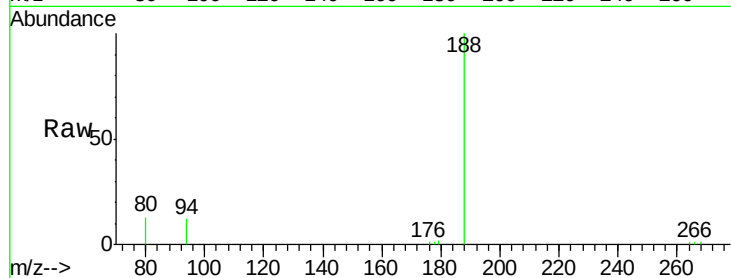




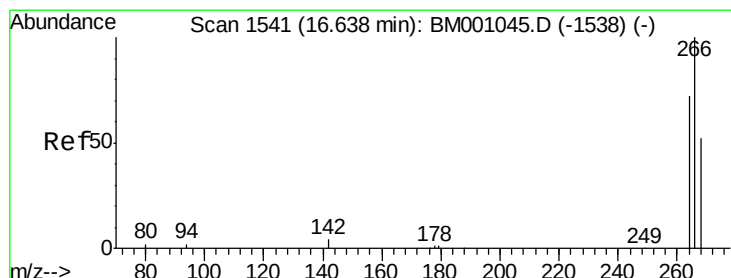
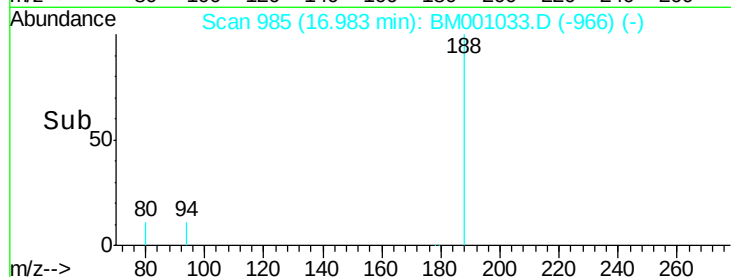
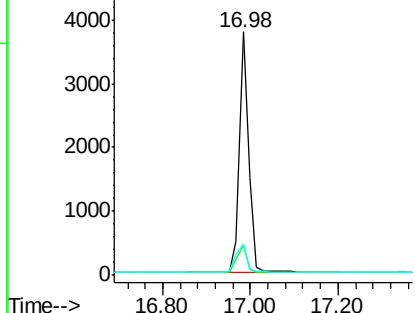
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 985
Delta R.T. -0.00 min
Lab File: BM001033.D
Acq: 17 Apr 2015 14:25

Instrument :
BNA_M
ClientSampleId :
SSTD1.637

Tgt Ion:188 Resp: 5519
Ion Ratio Lower Upper
188 100
94 12.0 3.6 5.4#
80 12.7 3.0 4.6#

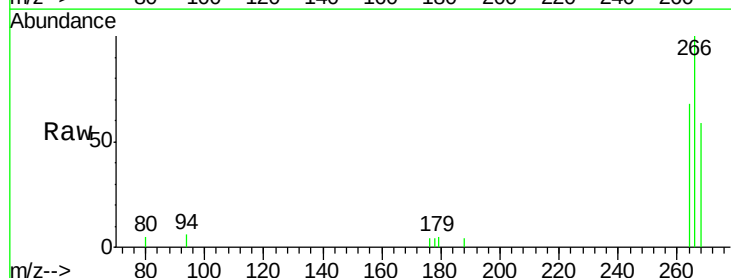


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

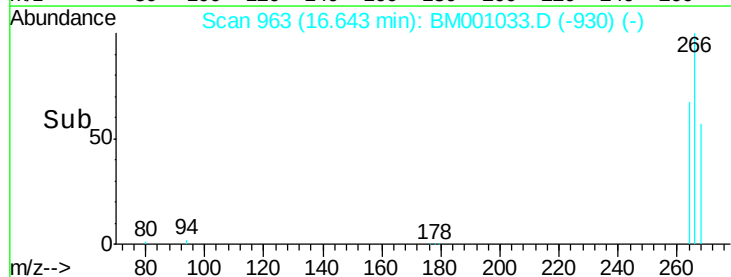
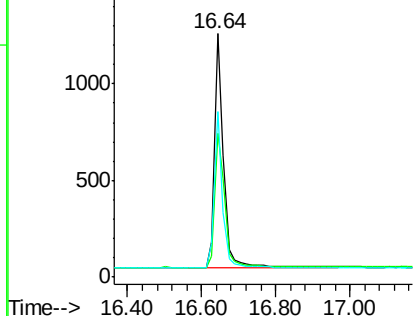


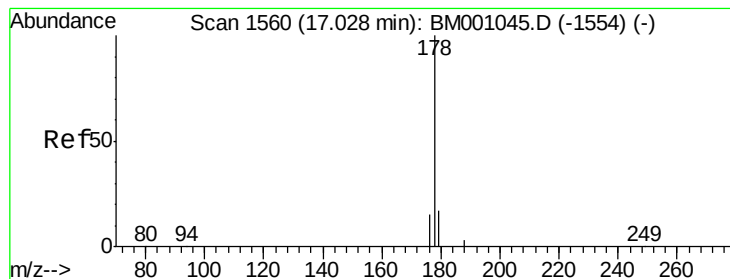
#15
Pentachlorophenol
Concen: Below Cal
RT: 16.64 min Scan# 963
Delta R.T. 0.01 min
Lab File: BM001033.D
Acq: 17 Apr 2015 14:25

Tgt Ion:266 Resp: 2073
Ion Ratio Lower Upper
266 100
268 59.2 46.3 69.5
264 68.1 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: 17.03 min Scan# 988

Delta R.T. 0.00 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

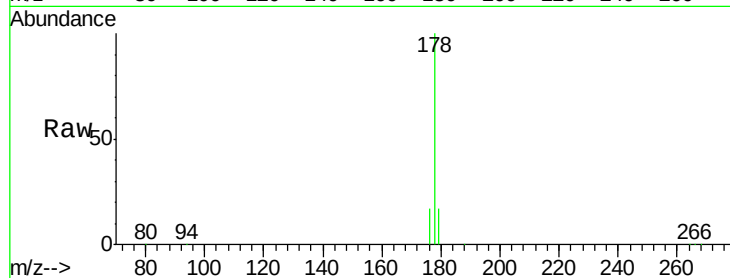
Tgt Ion:178 Resp: 25579

Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

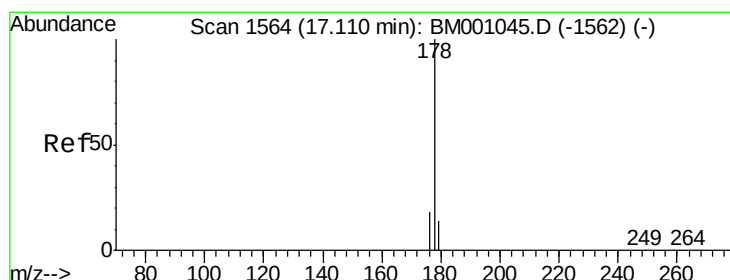
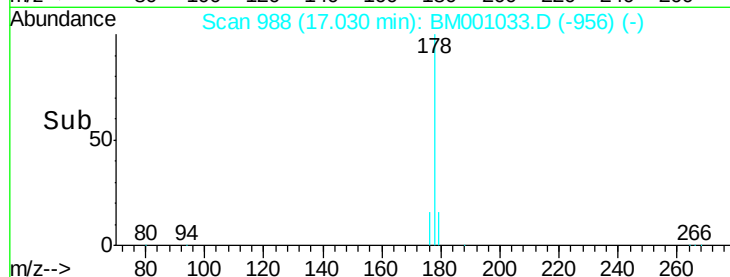
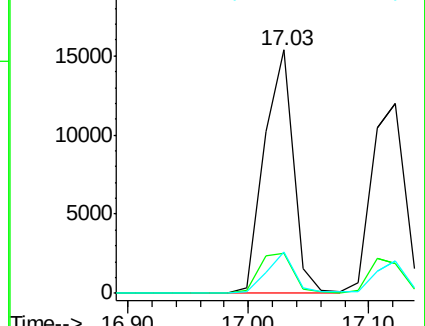
179 15.2 12.6 19.0



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: 18.71 ng

RT: 17.12 min Scan# 994

Delta R.T. 0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

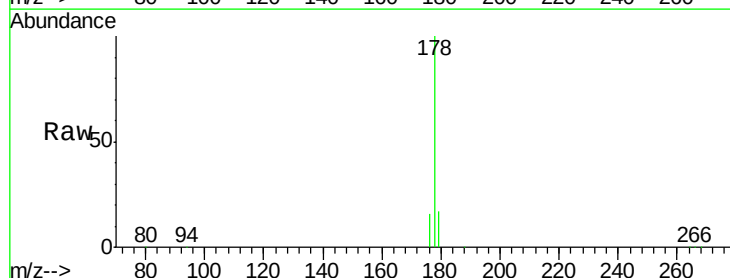
Tgt Ion:178 Resp: 24089

Ion Ratio Lower Upper

178 100

176 17.9 14.3 21.5

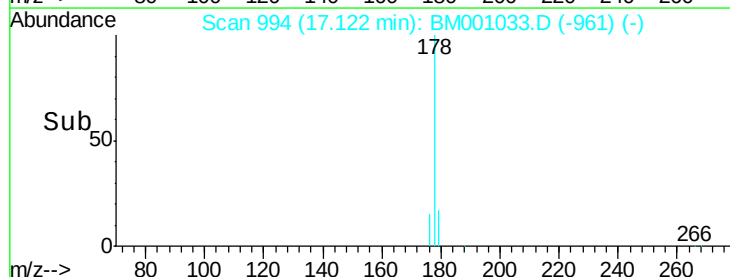
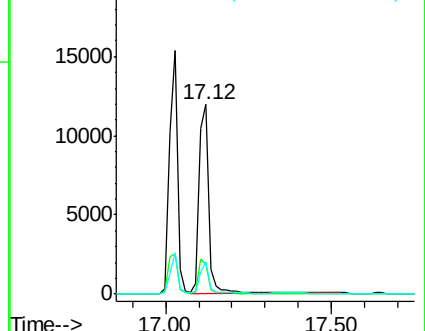
179 15.2 11.8 17.8

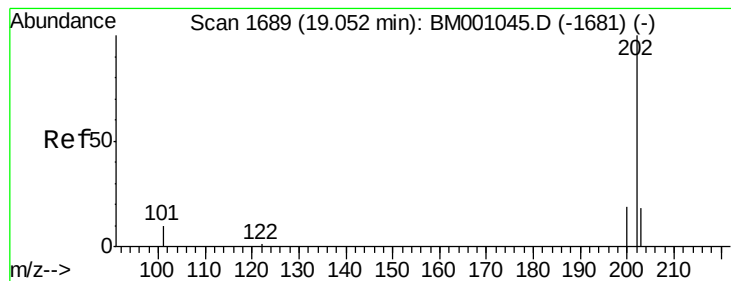


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#18

Fluoranthene

Concen: 20.16 ng

RT: 19.06 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

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BNA_M

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SSTD1.637

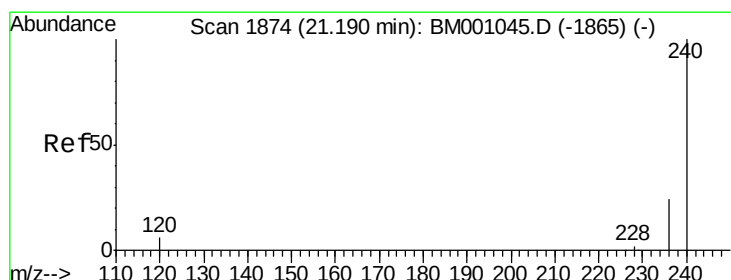
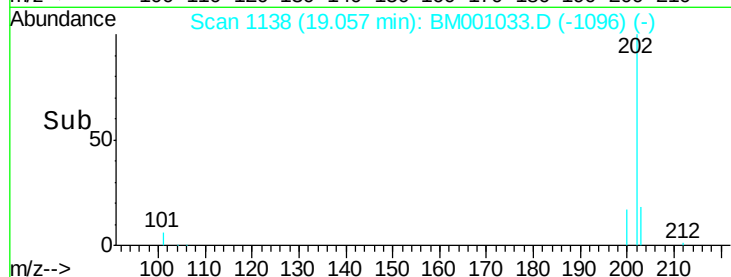
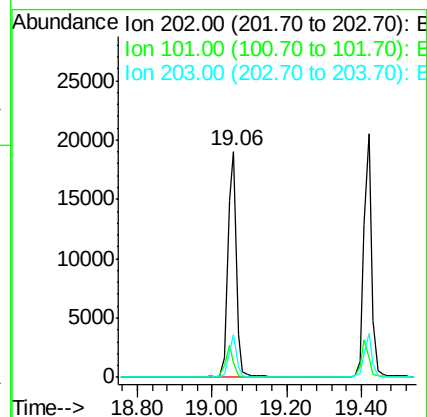
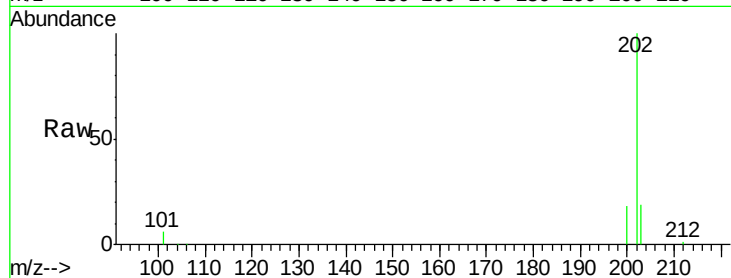
Tgt Ion:202 Resp: 29388

Ion Ratio Lower Upper

202 100

101 12.6 10.1 15.1

203 17.5 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: BM001033.D

Acq: 17 Apr 2015 14:25

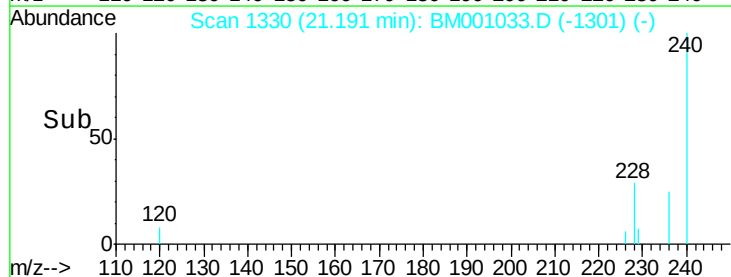
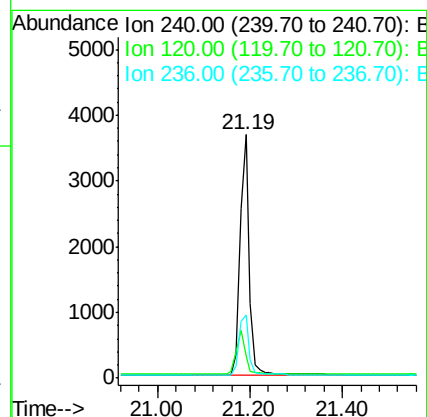
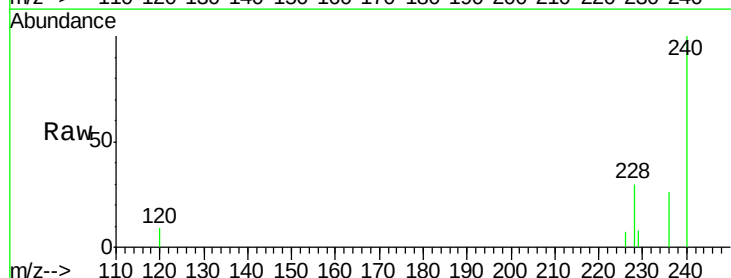
Tgt Ion:240 Resp: 5033

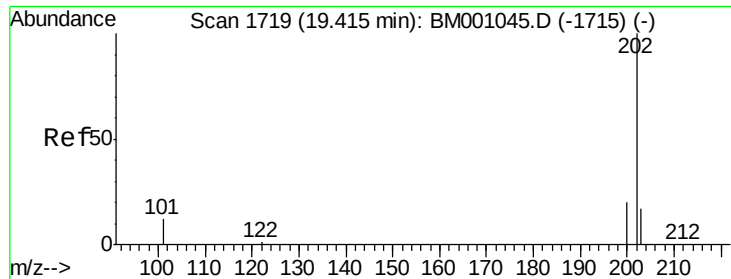
Ion Ratio Lower Upper

240 100

120 9.1 4.6 6.8#

236 26.0 19.1 28.7

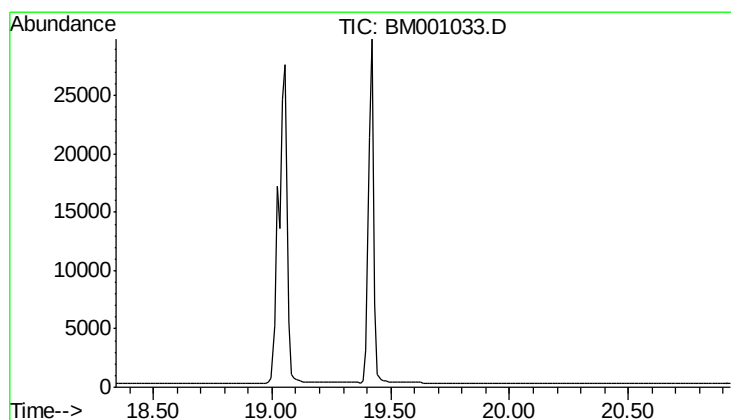
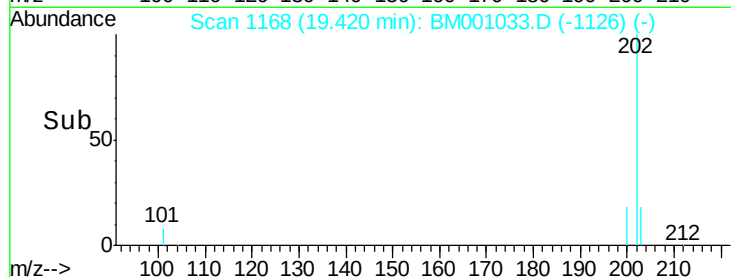
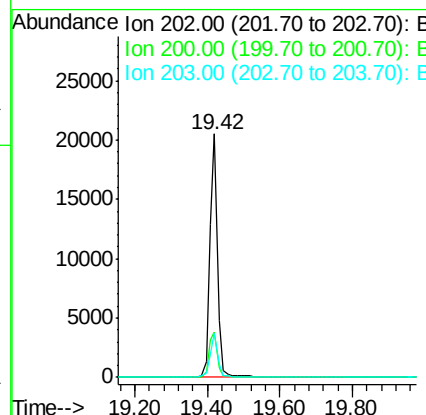
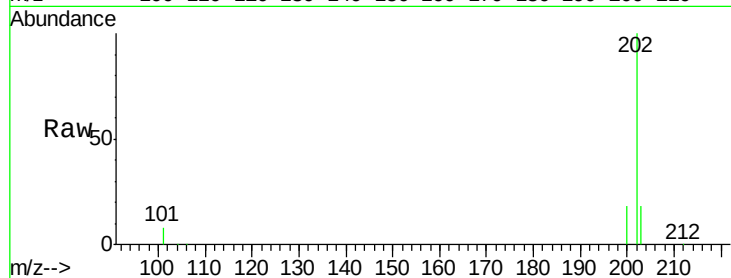




#20
 Pyrene
 Concen: Below Cal
 RT: 19.42 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.637

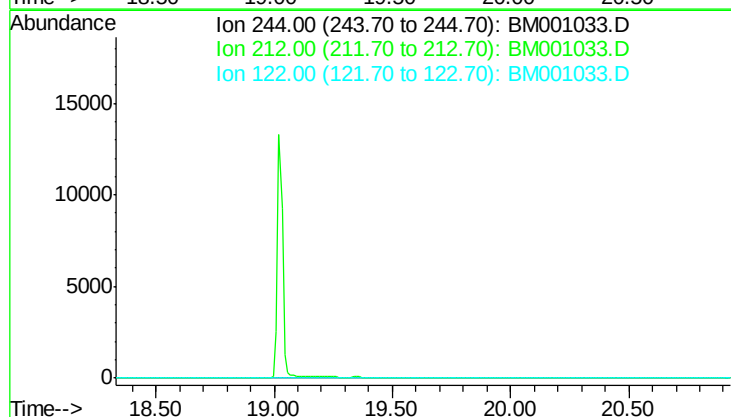
Tgt Ion: 202 Resp: 29627
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.3 24.5
 203 17.7 13.8 20.6

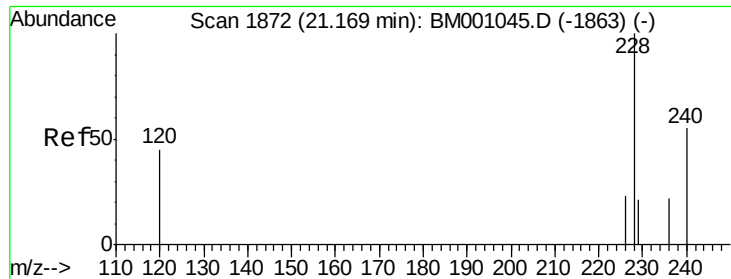


#21
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 19.63 min

Lab File: BM001033.D
 Acq: 17 Apr 2015 14:25

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: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

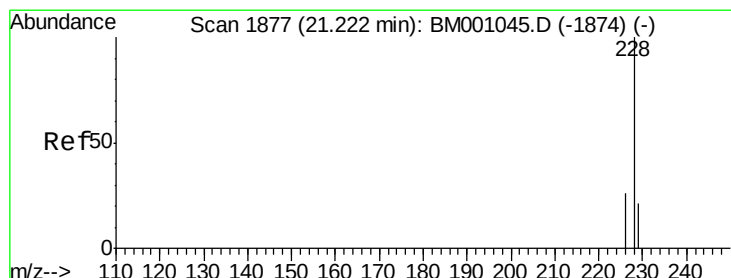
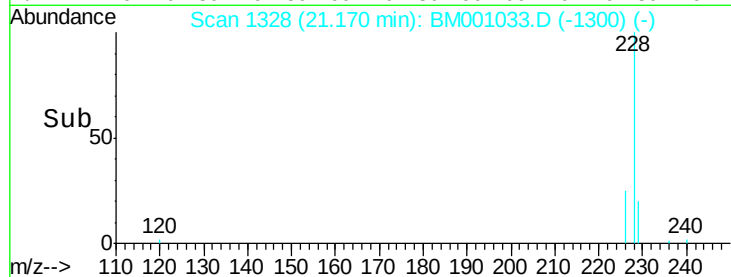
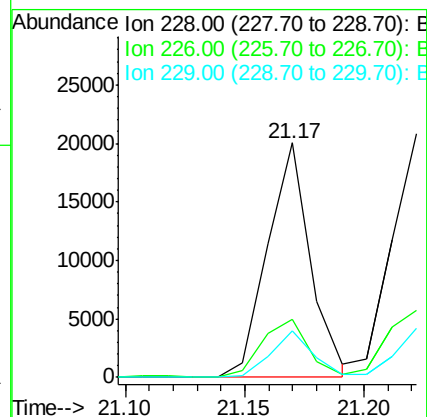
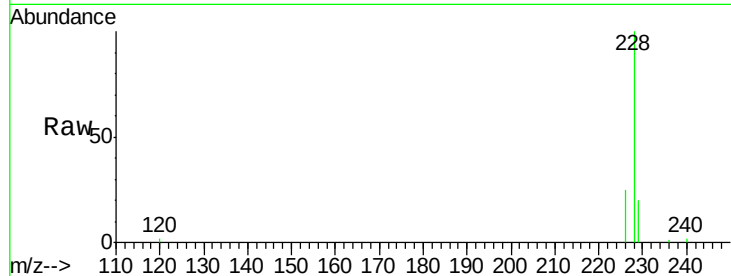
Tgt Ion:228 Resp: 25005

Ion Ratio Lower Upper

228 100

226 24.7 19.0 28.6

229 20.1 16.8 25.2



#23

Chrysene

Concen: Below Cal

RT: 21.22 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

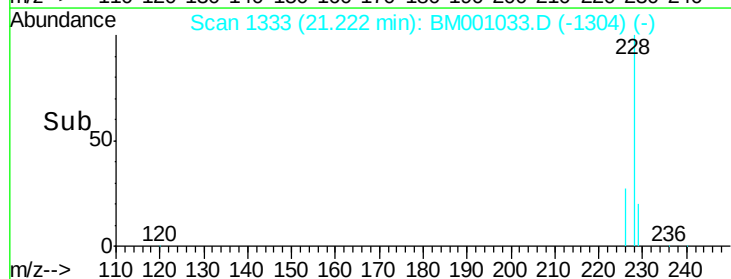
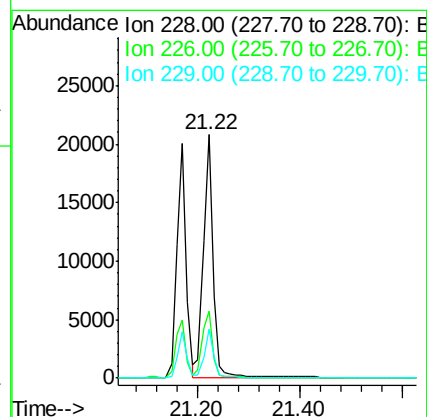
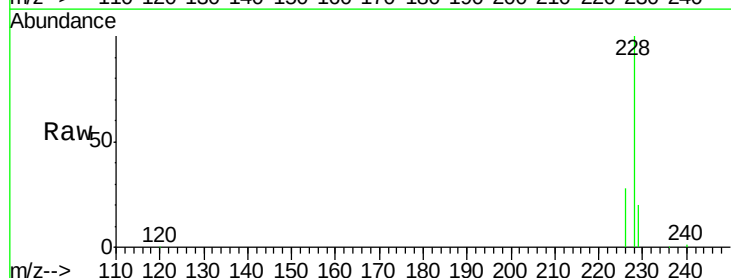
Tgt Ion:228 Resp: 27286

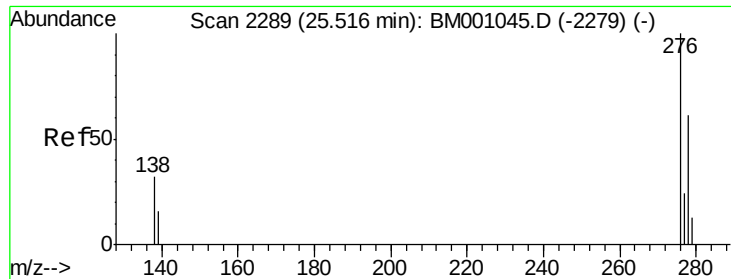
Ion Ratio Lower Upper

228 100

226 27.6 20.6 31.0

229 20.1 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: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

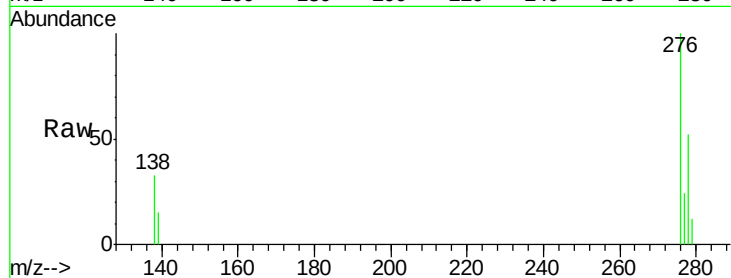
Tgt Ion:276 Resp: 27217

Ion Ratio Lower Upper

276 100

138 33.1 26.3 39.5

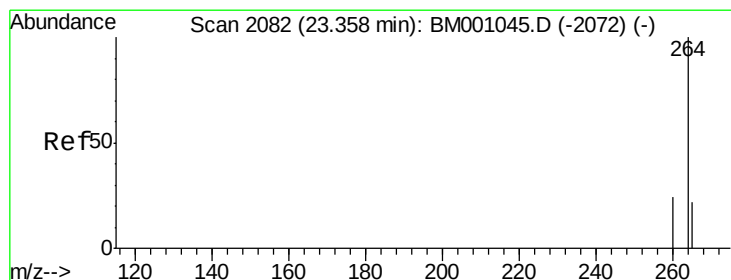
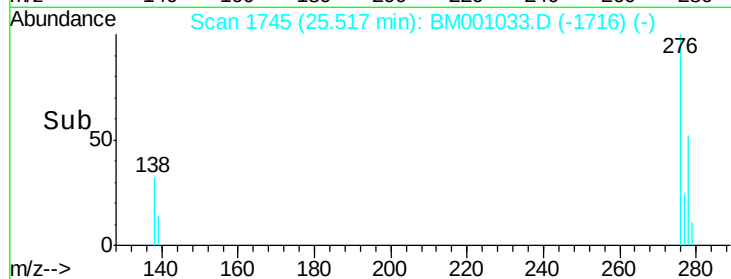
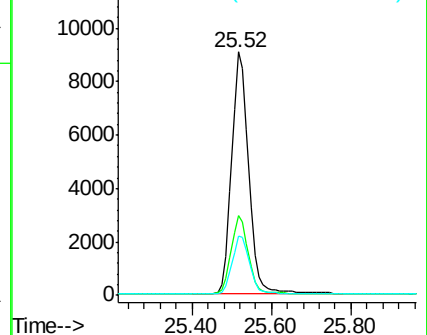
277 24.5 19.5 29.3



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: BM001033.D

Acq: 17 Apr 2015 14:25

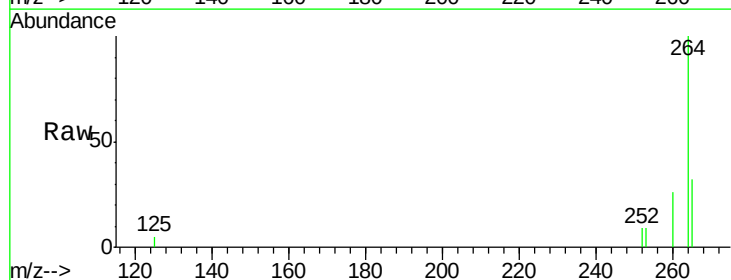
Tgt Ion:264 Resp: 4387

Ion Ratio Lower Upper

264 100

260 26.3 19.0 28.6

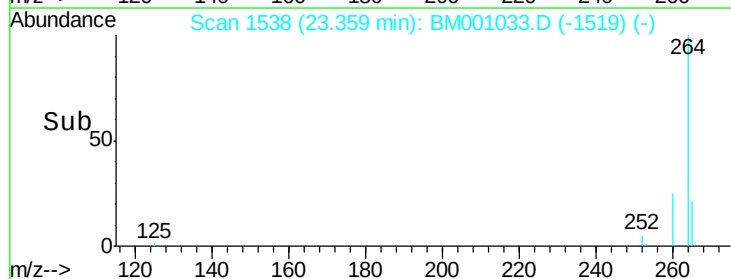
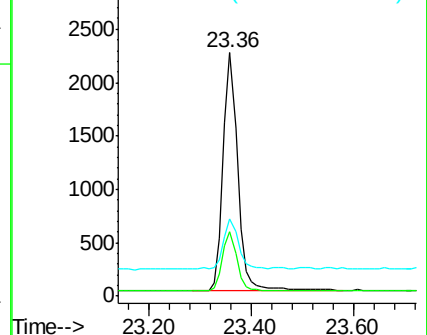
265 31.8 17.9 26.9#

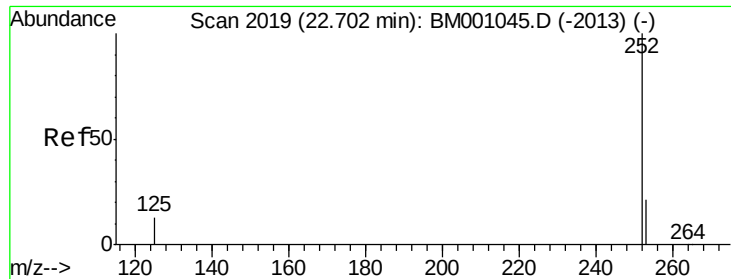


Abundance Ion 264.00 (263.70 to 264.70): E

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: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

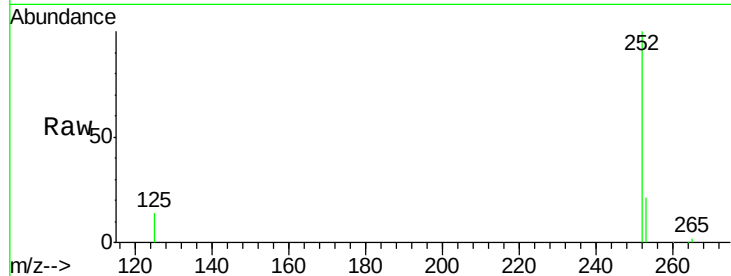
Tgt Ion:252 Resp: 25412

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

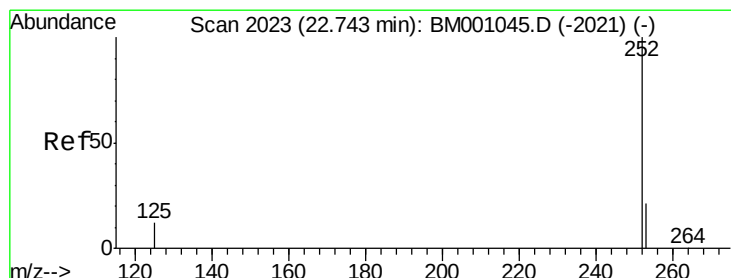
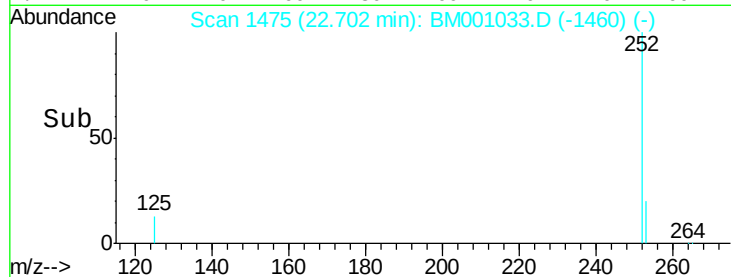
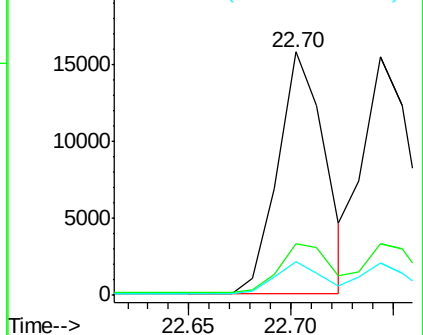
125 13.7 10.9 16.3



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: BM001033.D

Acq: 17 Apr 2015 14:25

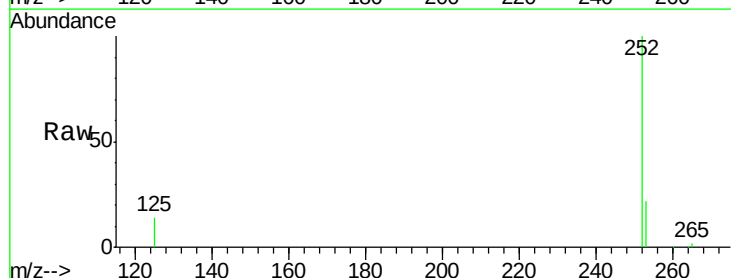
Tgt Ion:252 Resp: 26249

Ion Ratio Lower Upper

252 100

253 21.6 18.3 27.5

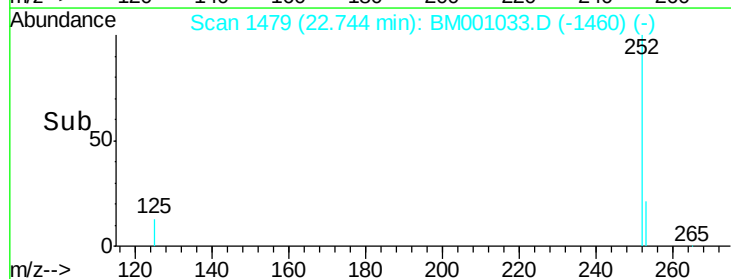
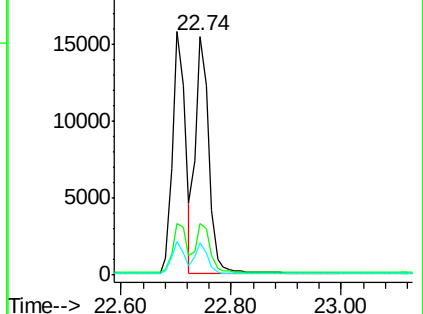
125 13.6 10.6 15.8

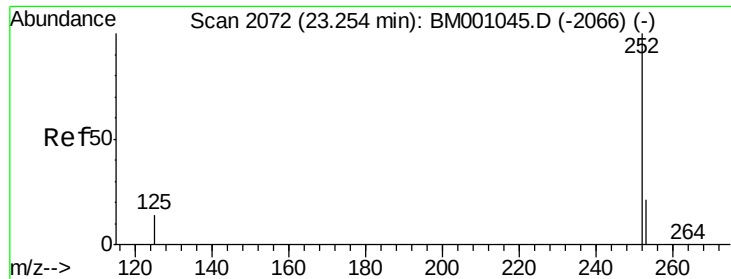


Abundance Ion 252.00 (251.70 to 252.70): E

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: BM001033.D

Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637

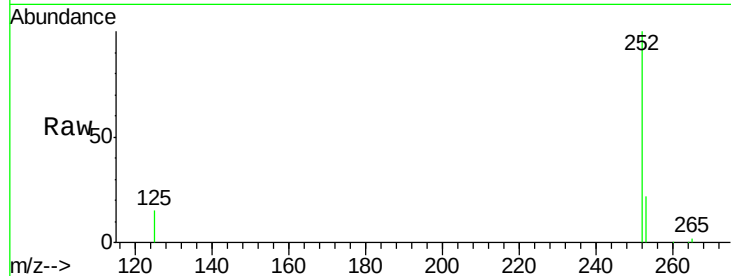
Tgt Ion:252 Resp: 24127

Ion Ratio Lower Upper

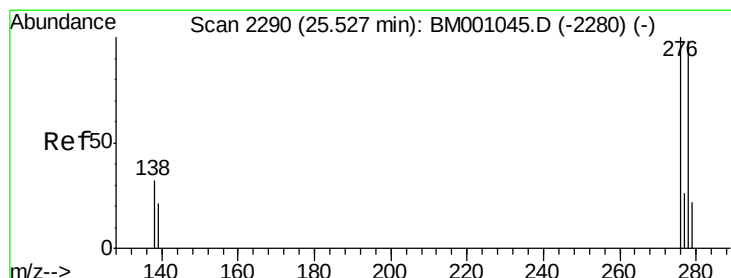
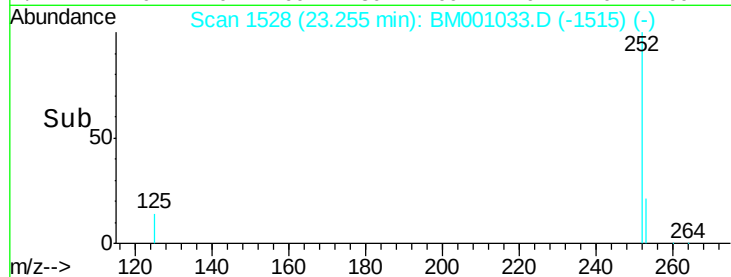
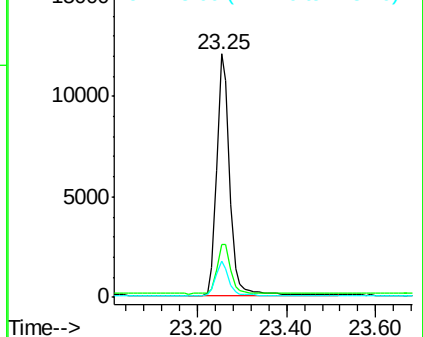
252 100

253 21.9 18.6 27.8

125 15.1 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# 1747

Delta R.T. 0.01 min

Lab File: BM001033.D

Acq: 17 Apr 2015 14:25

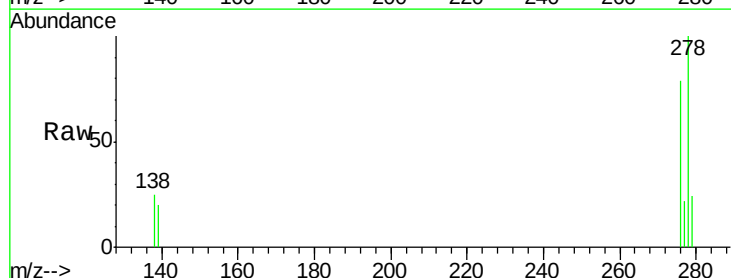
Tgt Ion:278 Resp: 22139

Ion Ratio Lower Upper

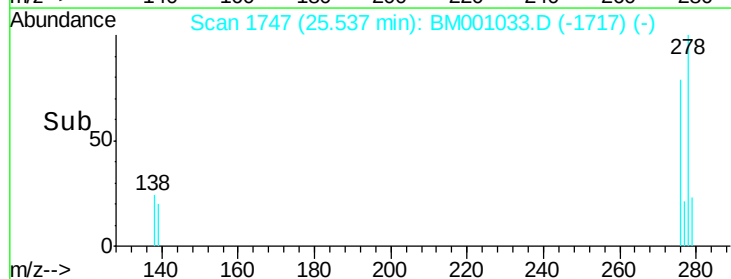
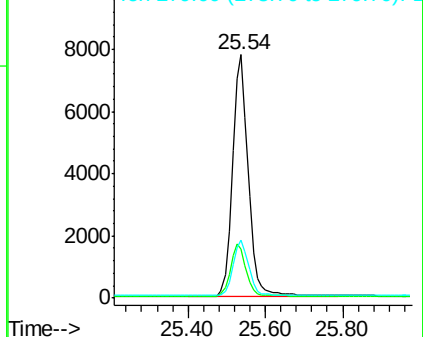
278 100

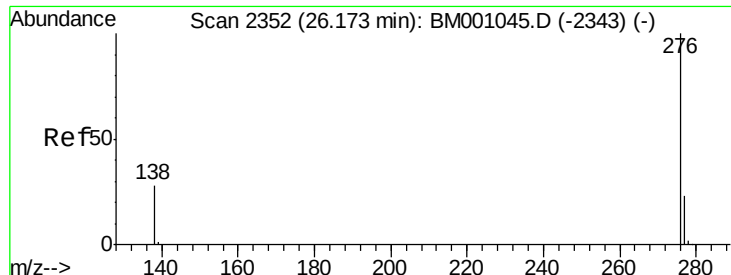
139 20.3 18.2 27.2

279 24.0 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: Below Cal

RT: 26.18 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BM001033.D

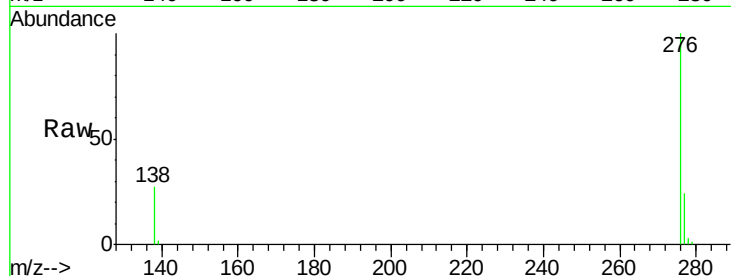
Acq: 17 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

SSTD1.637



Tgt Ion: 276 Resp: 23657

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

