

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010302.D
 Acq On : 30 May 2017 09:25
 Operator : SJ/MA
 Sample : SSTD0.107
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.107

Quant Time: May 30 13:00:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 13:00:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	759	0.40	ng/ul	0.00
2) Naphthalene-d8	10.74	136	2192	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.55	164	1168	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	2690	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	2619	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	2796	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.32	152	319	0.10	ng/ul	0.01
14) Fluoranthene-d10	19.33	212	711	0.09	ng/ul	0.00

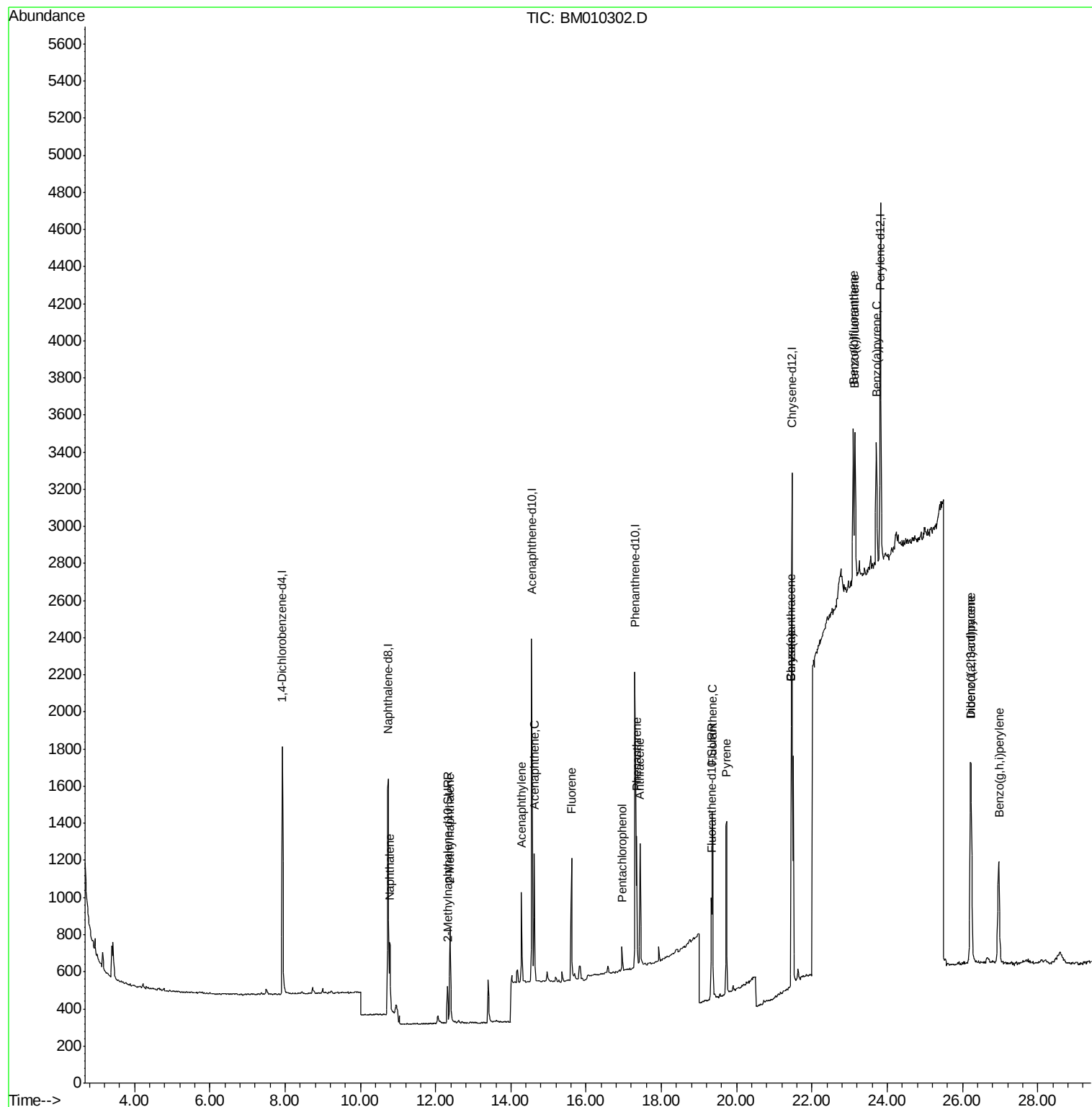
Target Compounds						Ovalue
3) Naphthalene	10.79	128	602	0.10	ng/ul#	73
5) 2-Methylnaphthalene	12.38	142	401	0.09	ng/ul	100
7) Acenaphthylene	14.28	152	587	0.10	ng/ul#	81
8) Acenaphthene	14.62	153	447	0.10	ng/ul	94
9) Fluorene	15.62	166	532	0.10	ng/ul#	96
11) Pentachlorophenol	16.95	266	111	0.11	ng/ul	97
12) Phenanthrene	17.35	178	907	0.11	ng/ul#	87
13) Anthracene	17.43	178	805	0.10	ng/ul#	87
15) Fluoranthene	19.35	202	1114	0.11	ng/ul	89
17) Pyrene	19.73	202	1160	0.13	ng/ul#	88
18) Benzo(a)anthracene	21.45	228	1098	0.13	ng/ul	91
19) Chrysene	21.45	228	1098	0.13	ng/ul	93
21) Benzo(b)fluoranthene	23.10	252	1248	0.13	ng/ul#	42
22) Benzo(k)fluoranthene	23.14	252	1203	0.13	ng/ul#	37
23) Benzo(a)pyrene	23.71	252	1153	0.12	ng/ul#	39
24) Indeno(1,2,3-cd)pyrene	26.21	276	1531	0.14	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.22	278	1212	0.14	ng/ul#	51
26) Benzo(g,h,i)perylene	26.96	276	1321	0.14	ng/ul#	78

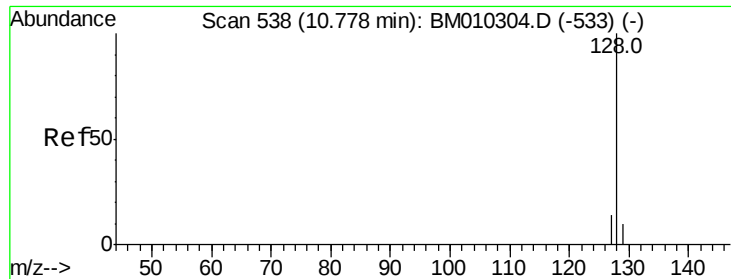
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.79 min Scan# 539

Delta R.T. 0.01 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

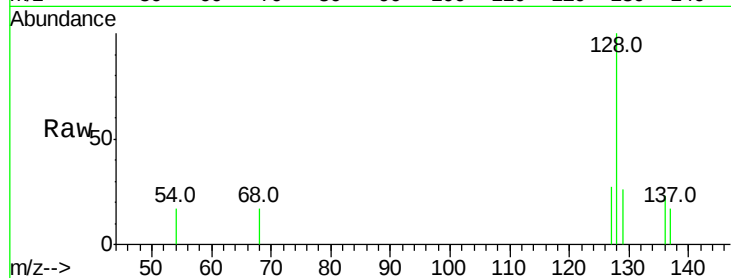
Tot Ion:128 Resp: 602

Ion Ratio Lower Upper

128 100

129 26.0 11.3 16.9#

127 26.9 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.79

300

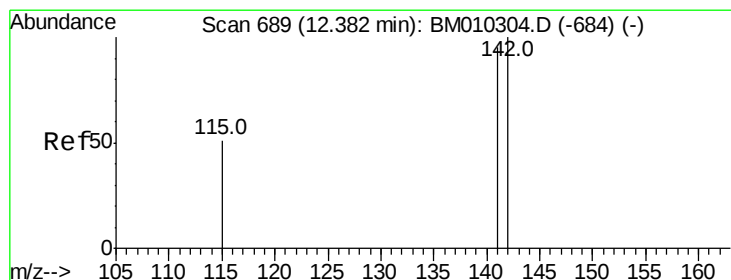
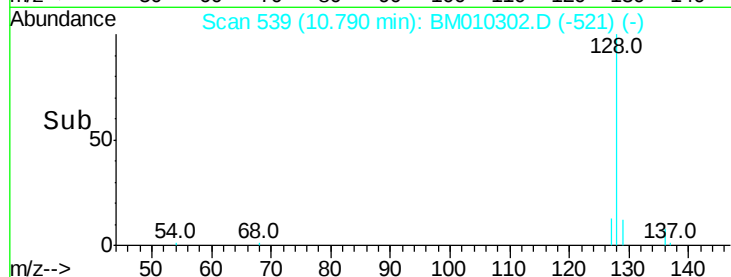
200

100

0

10.70 10.80 10.90

Time-->



#5

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM010302.D

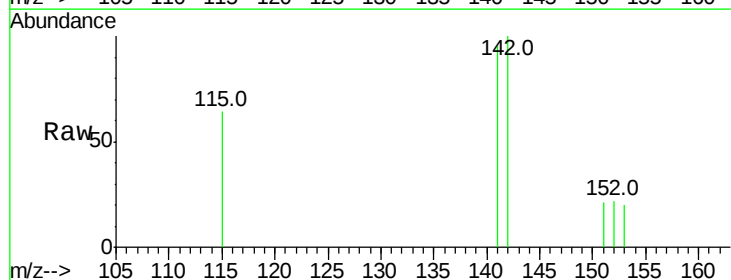
Acq: 30 May 2017 09:25

Tgt Ion:142 Resp: 401

Ion Ratio Lower Upper

142 100

141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.38

300

250

200

150

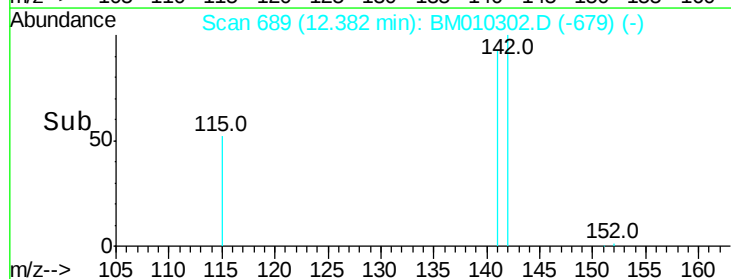
100

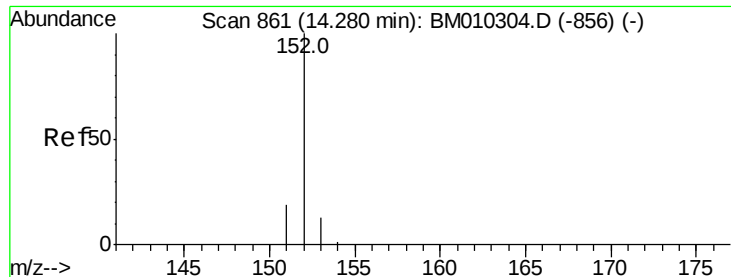
50

0

12.30 12.40

Time-->





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

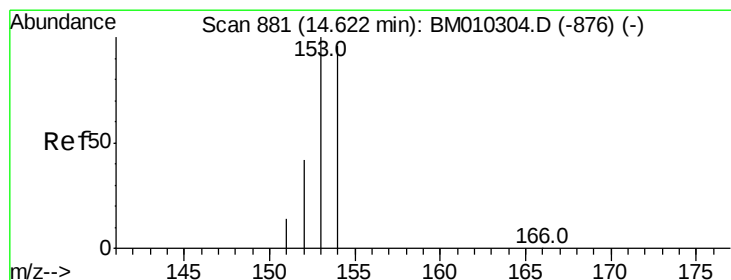
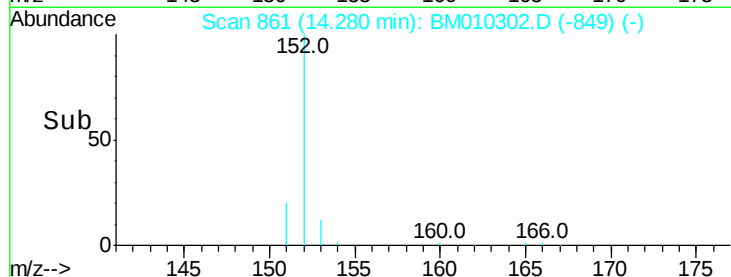
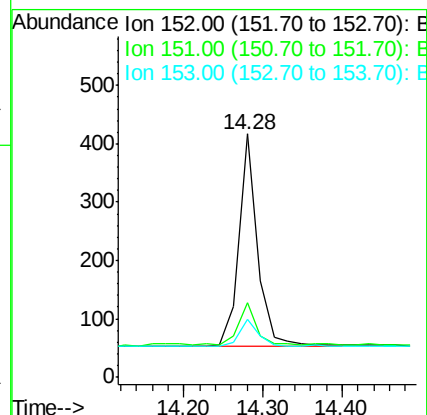
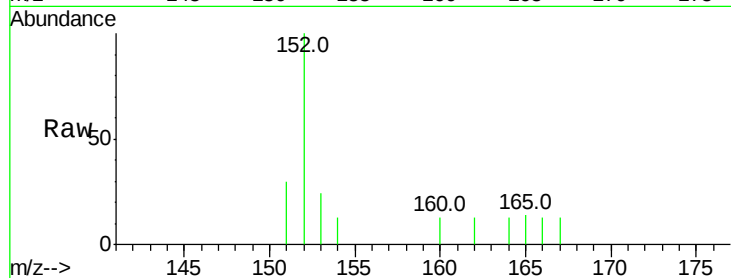
Tot Ion:152 Resp: 587

Ion Ratio Lower Upper

152 100

151 30.5 17.1 25.7#

153 23.5 12.8 19.2#



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

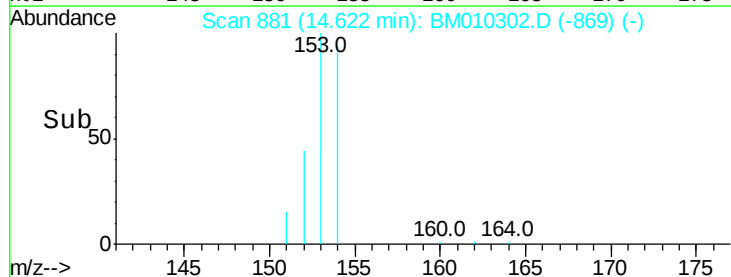
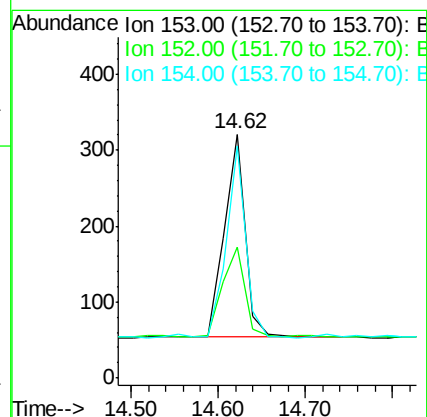
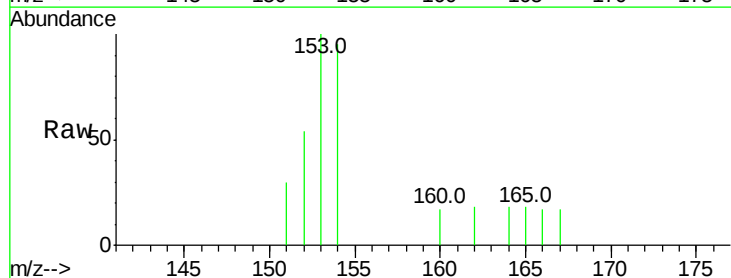
Tgt Ion:153 Resp: 447

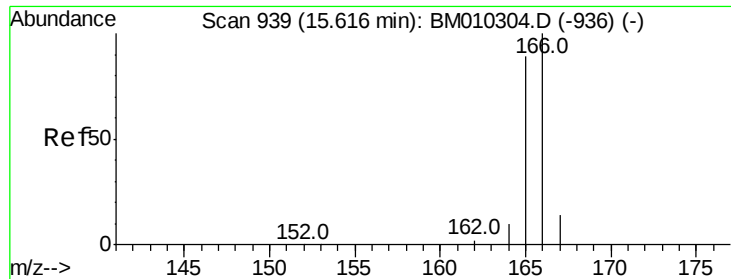
Ion Ratio Lower Upper

153 100

152 53.9 40.3 60.5

154 95.3 71.4 107.2





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

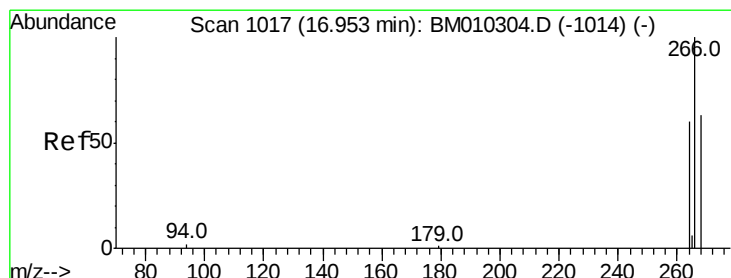
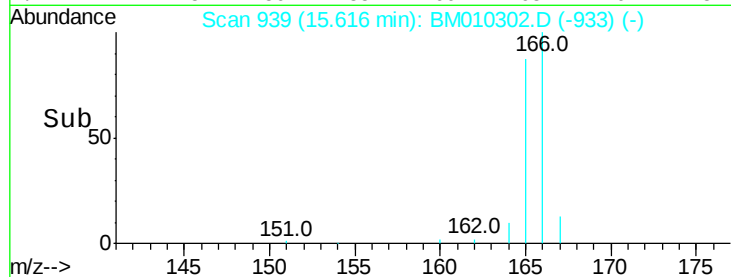
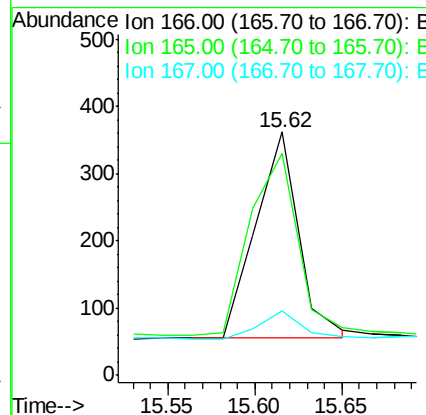
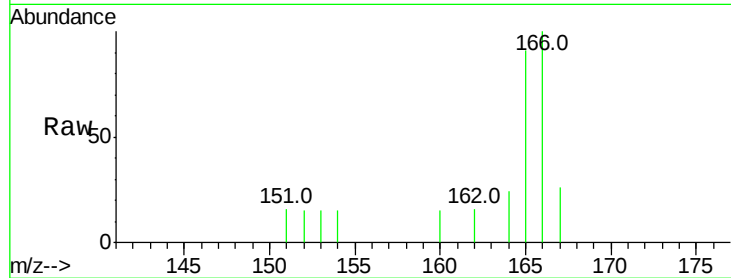
Tot Ion:166 Resp: 532

Ion Ratio Lower Upper

166 100

165 91.2 73.4 110.2

167 26.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

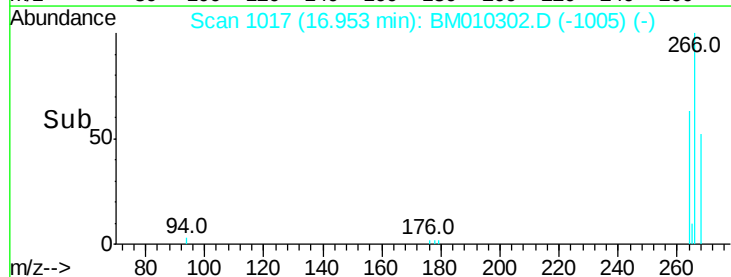
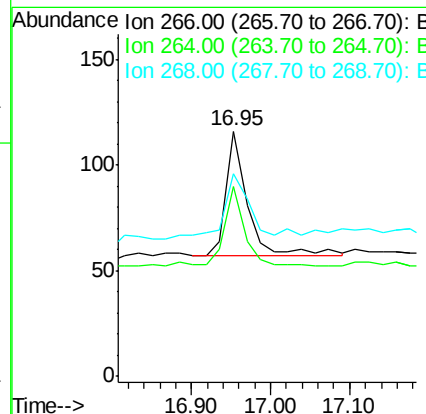
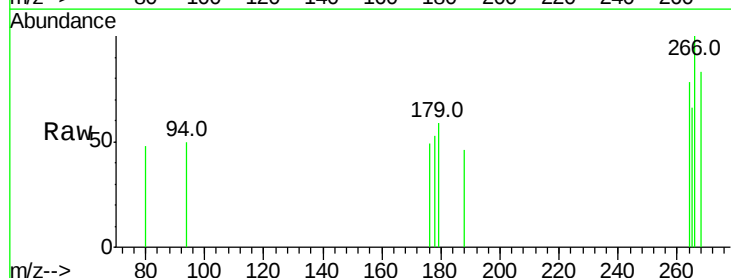
Tgt Ion:266 Resp: 111

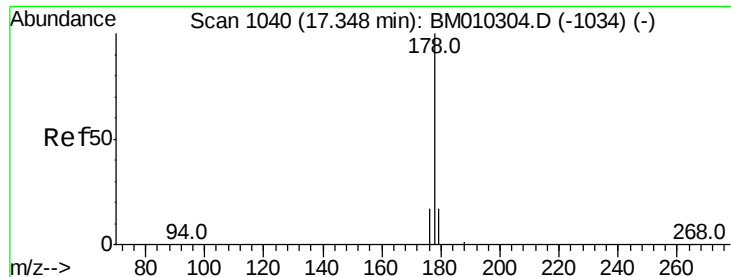
Ion Ratio Lower Upper

266 100

264 64.0 47.9 71.9

268 62.2 49.8 74.8





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

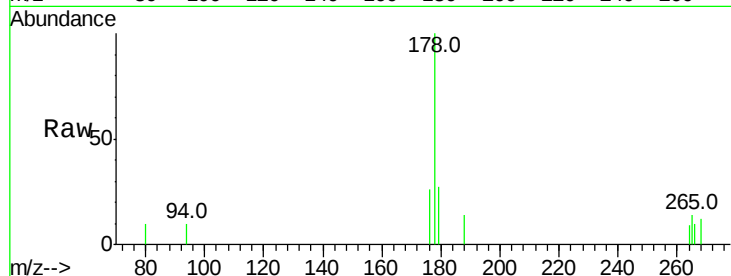
Tot Ion:178 Resp: 907

Ion Ratio Lower Upper

178 100

176 25.6 18.4 27.6

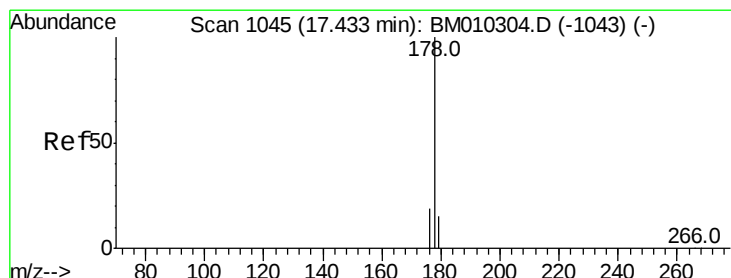
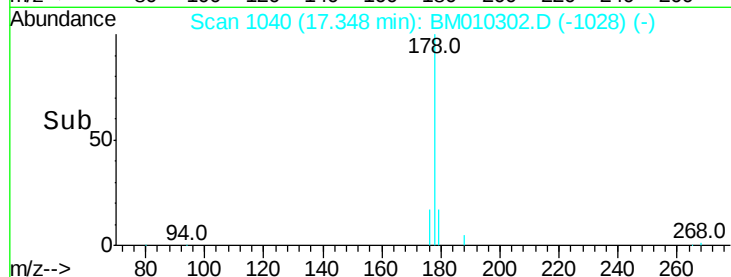
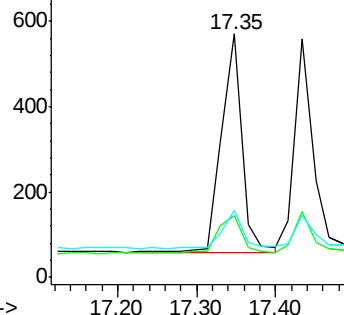
179 27.5 13.6 20.4#



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



#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

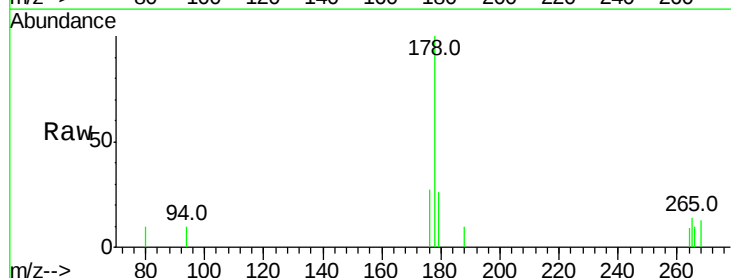
Tgt Ion:178 Resp: 805

Ion Ratio Lower Upper

178 100

176 27.3 18.1 27.1#

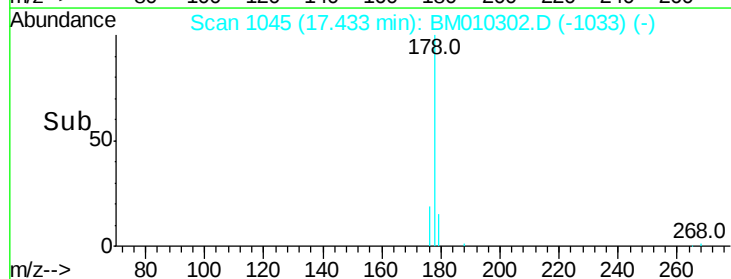
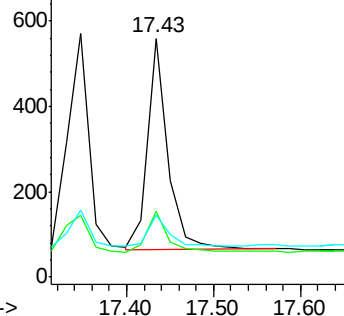
179 25.7 14.7 22.1#

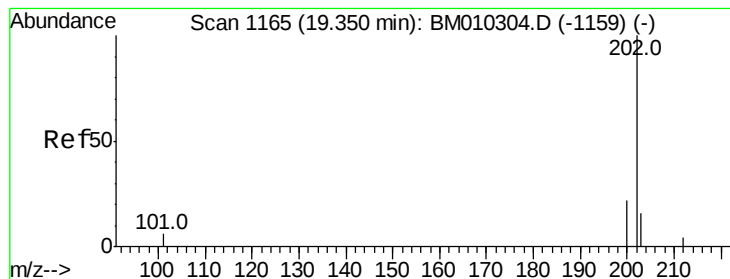


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.11 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

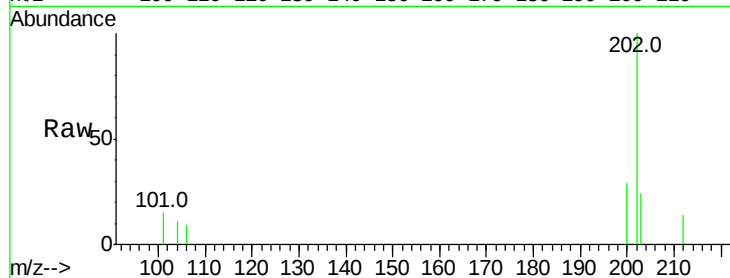
Tot Ion:202 Resp: 1114

Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.3

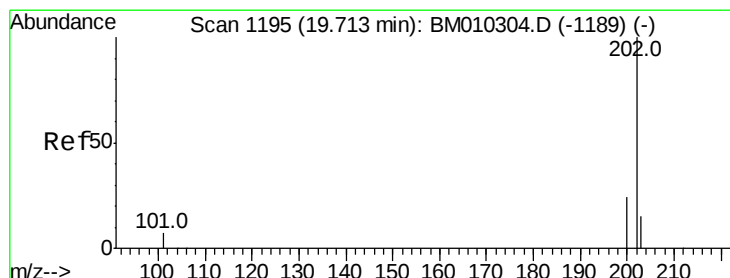
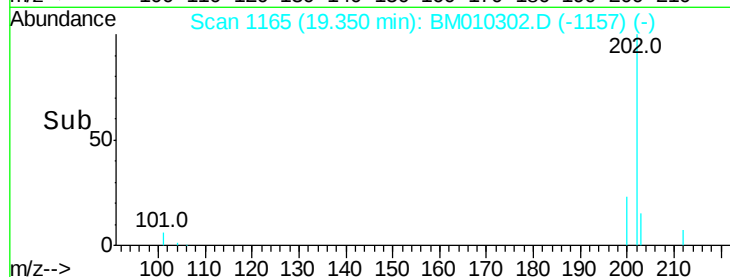
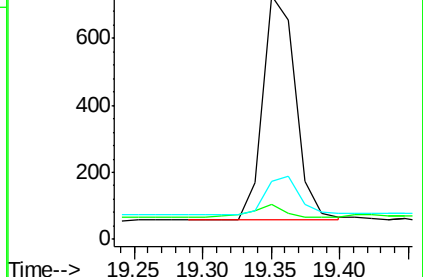
203 24.1 0.0 39.5



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



#17

Pyrene

Concen: 0.13 ng/ul

RT: 19.73 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

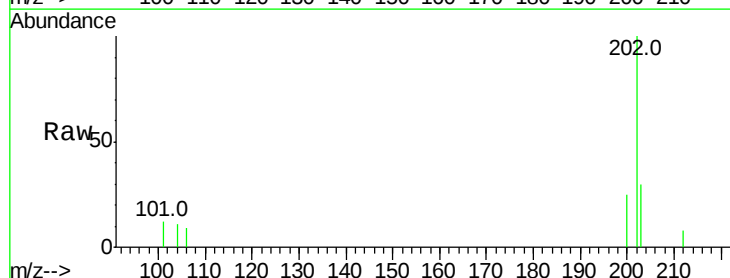
Tgt Ion:202 Resp: 1160

Ion Ratio Lower Upper

202 100

200 24.7 18.2 27.4

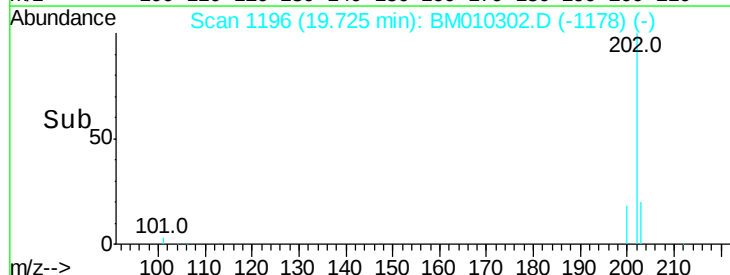
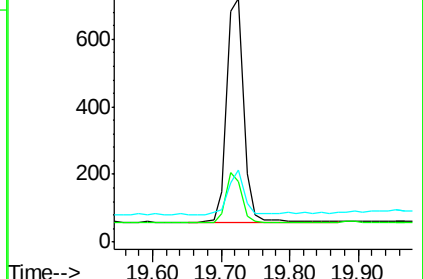
203 29.5 15.6 23.4#

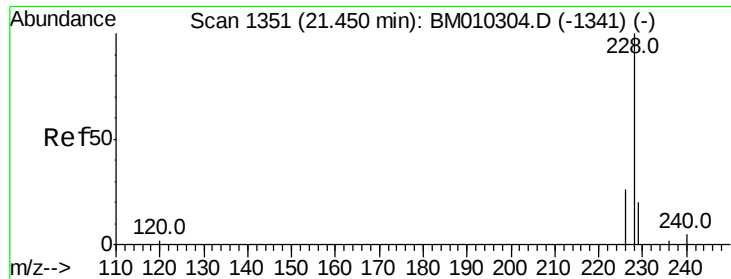


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.13 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

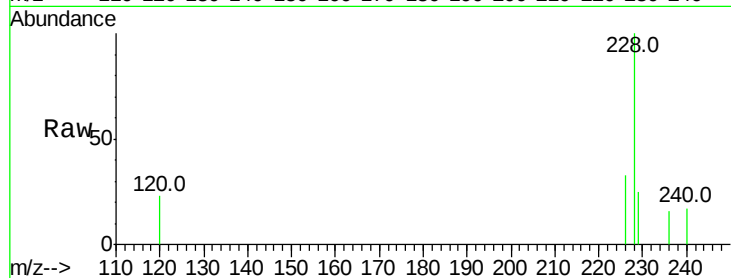
Tot Ion:228 Resp: 1098

Ion Ratio Lower Upper

228 100

226 33.1 22.8 34.2

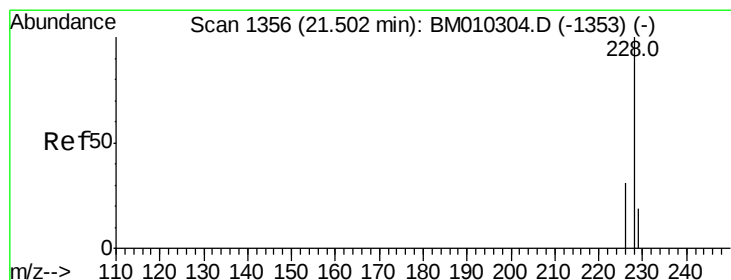
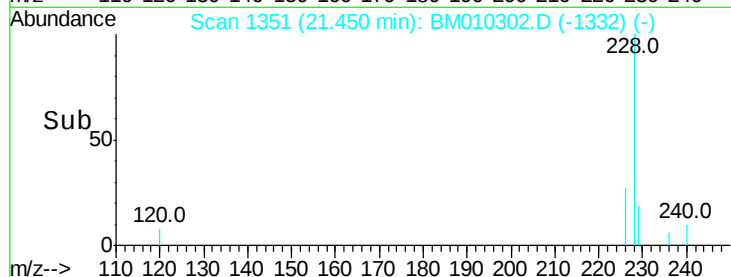
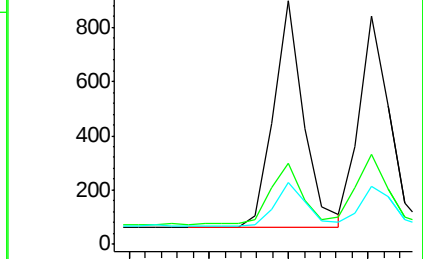
229 25.4 17.0 25.6



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



#19

Chrysene

Concen: 0.13 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. -0.05 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

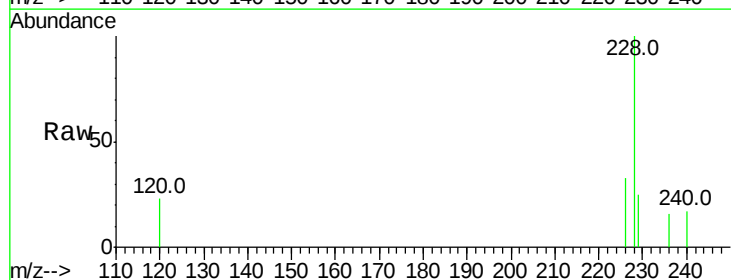
Tgt Ion:228 Resp: 1098

Ion Ratio Lower Upper

228 100

226 33.1 23.4 35.0

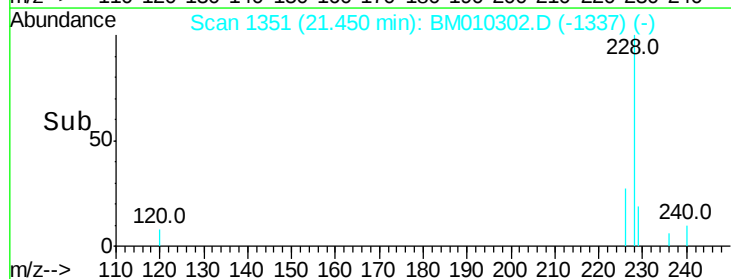
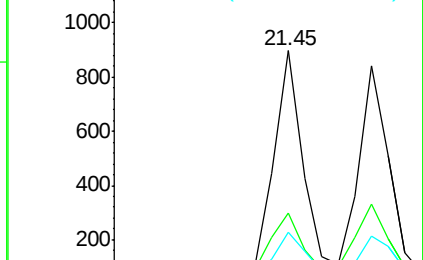
229 25.4 17.7 26.5

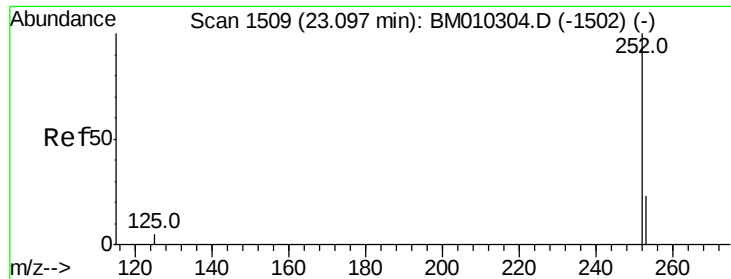


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.13 ng/ul

RT: 23.10 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

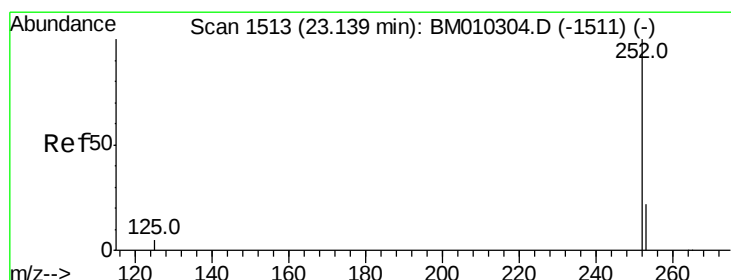
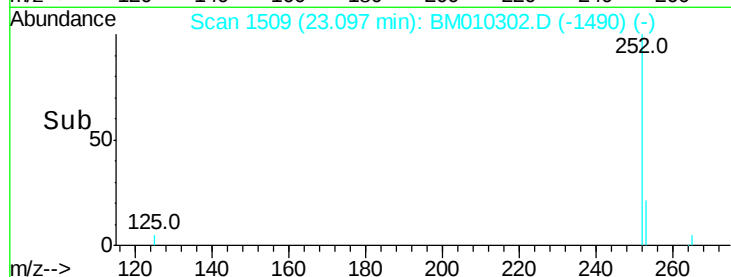
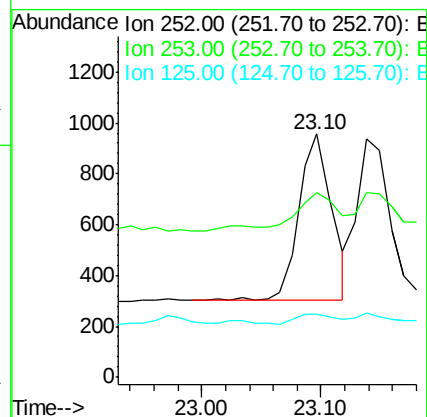
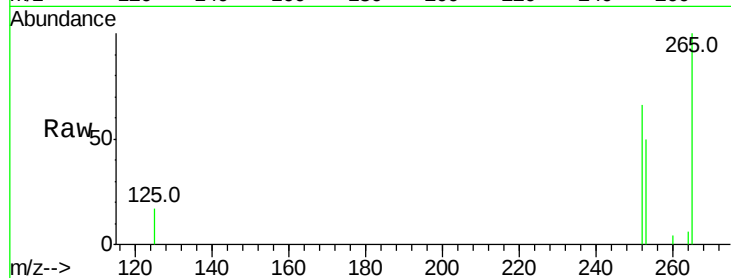
Tot Ion:252 Resp: 1248

Ion Ratio Lower Upper

252 100

253 76.1 0.0 64.2#

125 26.1 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.13 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

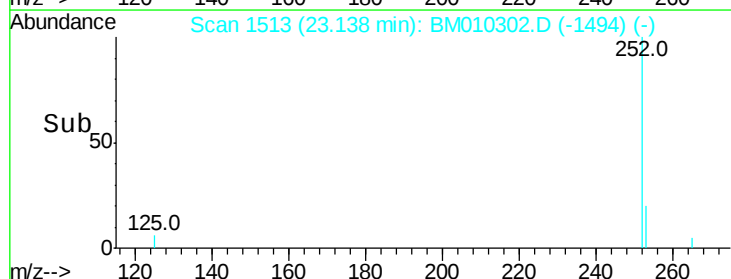
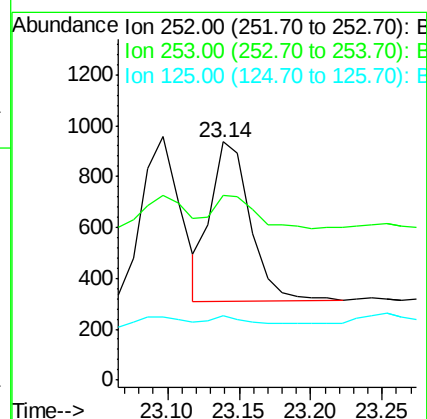
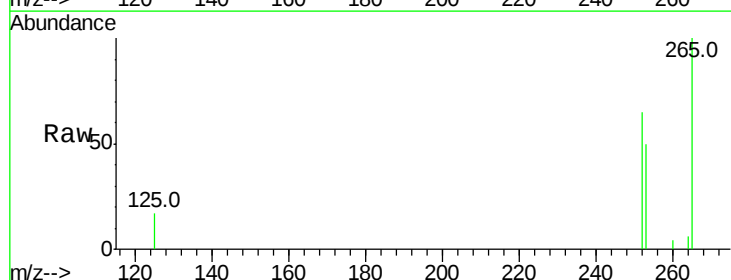
Tgt Ion:252 Resp: 1203

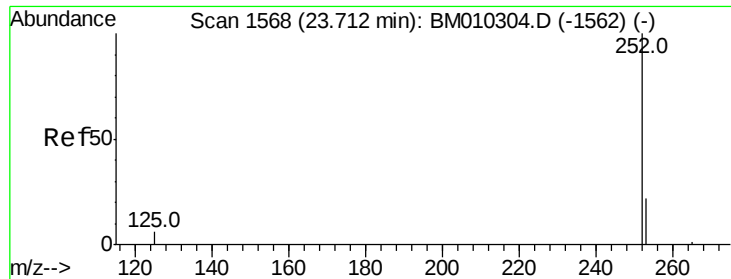
Ion Ratio Lower Upper

252 100

253 77.3 24.5 36.7#

125 26.9 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

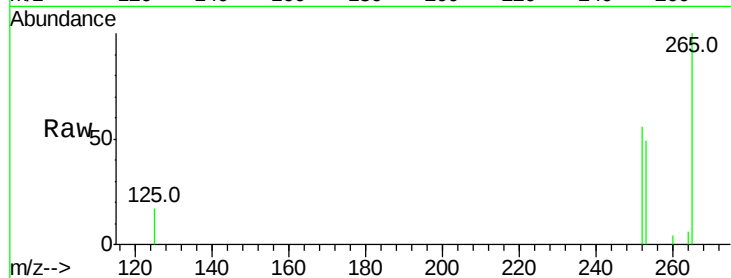
Tot Ion:252 Resp: 1153

Ion Ratio Lower Upper

252 100

253 87.5 28.5 42.7#

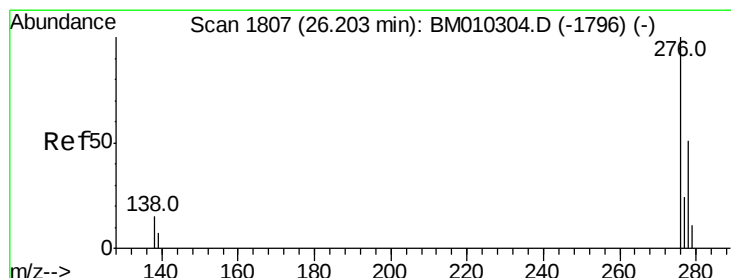
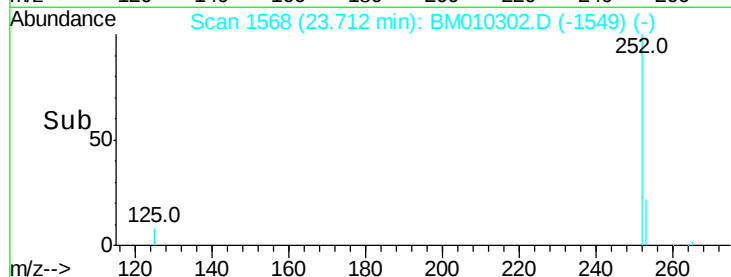
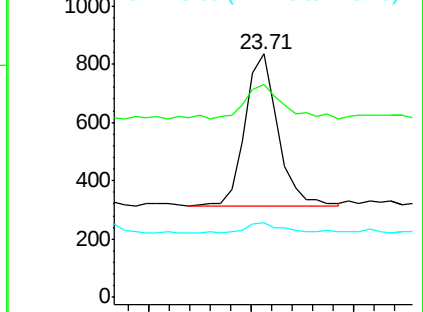
125 30.7 18.1 27.1#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng/ul

RT: 26.21 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

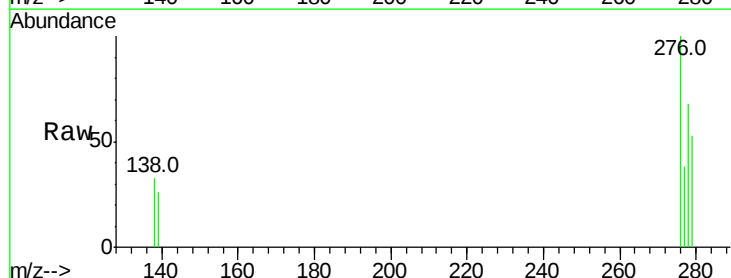
Tgt Ion:276 Resp: 1531

Ion Ratio Lower Upper

276 100

138 16.4 19.1 28.7#

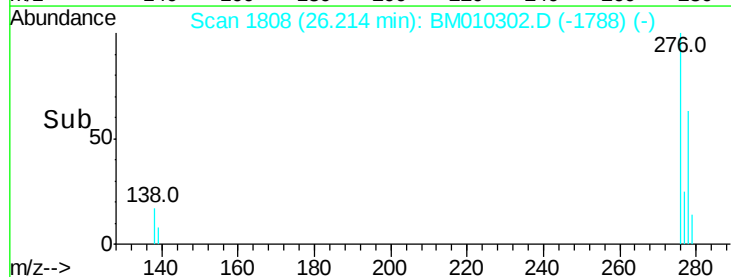
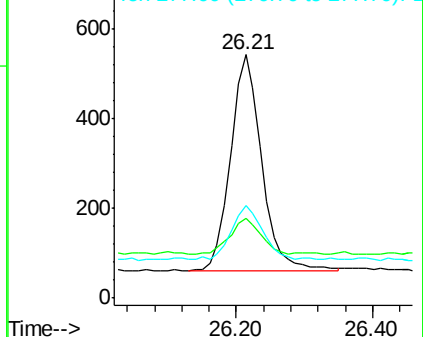
277 25.1 19.6 29.4

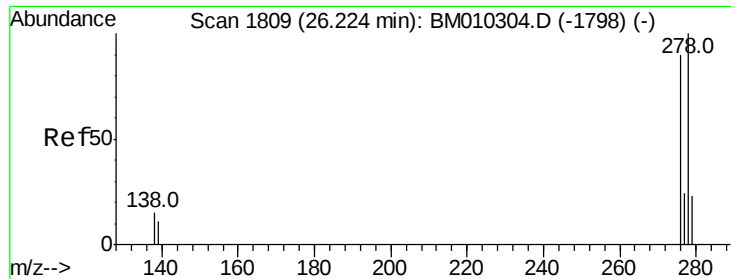


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.14 ng/ul

RT: 26.22 min Scan# 1809

Delta R.T. -0.00 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.107

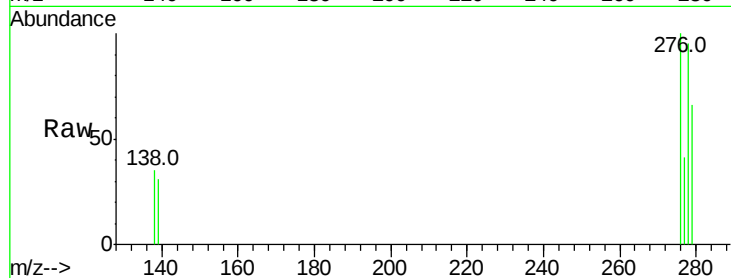
Tot Ion:278 Resp: 1212

Ion Ratio Lower Upper

278 100

139 32.6 17.4 26.0#

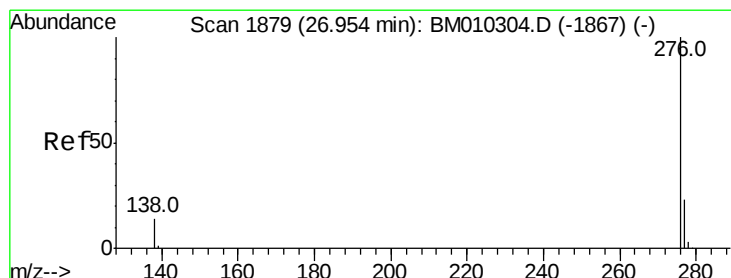
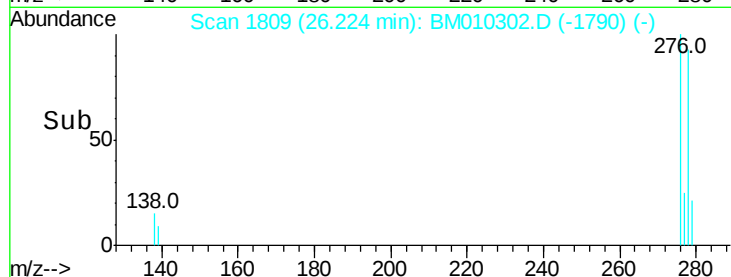
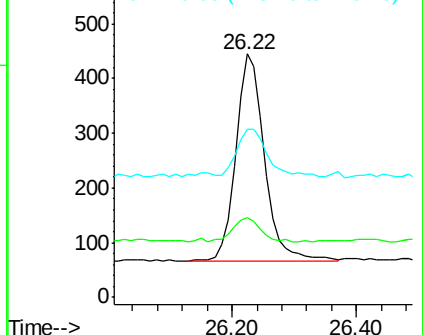
279 69.2 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.14 ng/ul

RT: 26.96 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BM010302.D

Acq: 30 May 2017 09:25

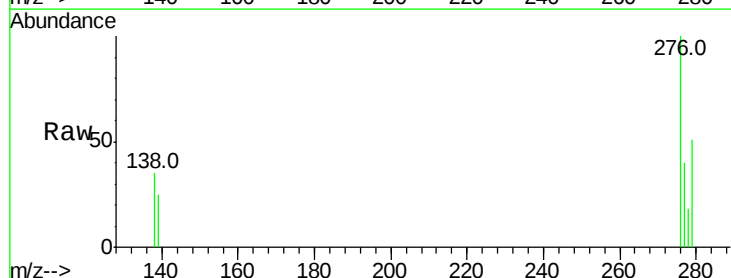
Tgt Ion:276 Resp: 1321

Ion Ratio Lower Upper

276 100

277 40.5 21.8 32.8#

138 35.0 20.5 30.7#



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

