

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010307.D
 Acq On : 30 May 2017 12:25
 Operator : SJ/MA
 Sample : SSTD3.212
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.212

Quant Time: May 30 13:00:40 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 13:00:07 2017
 Response via : Initial Calibration

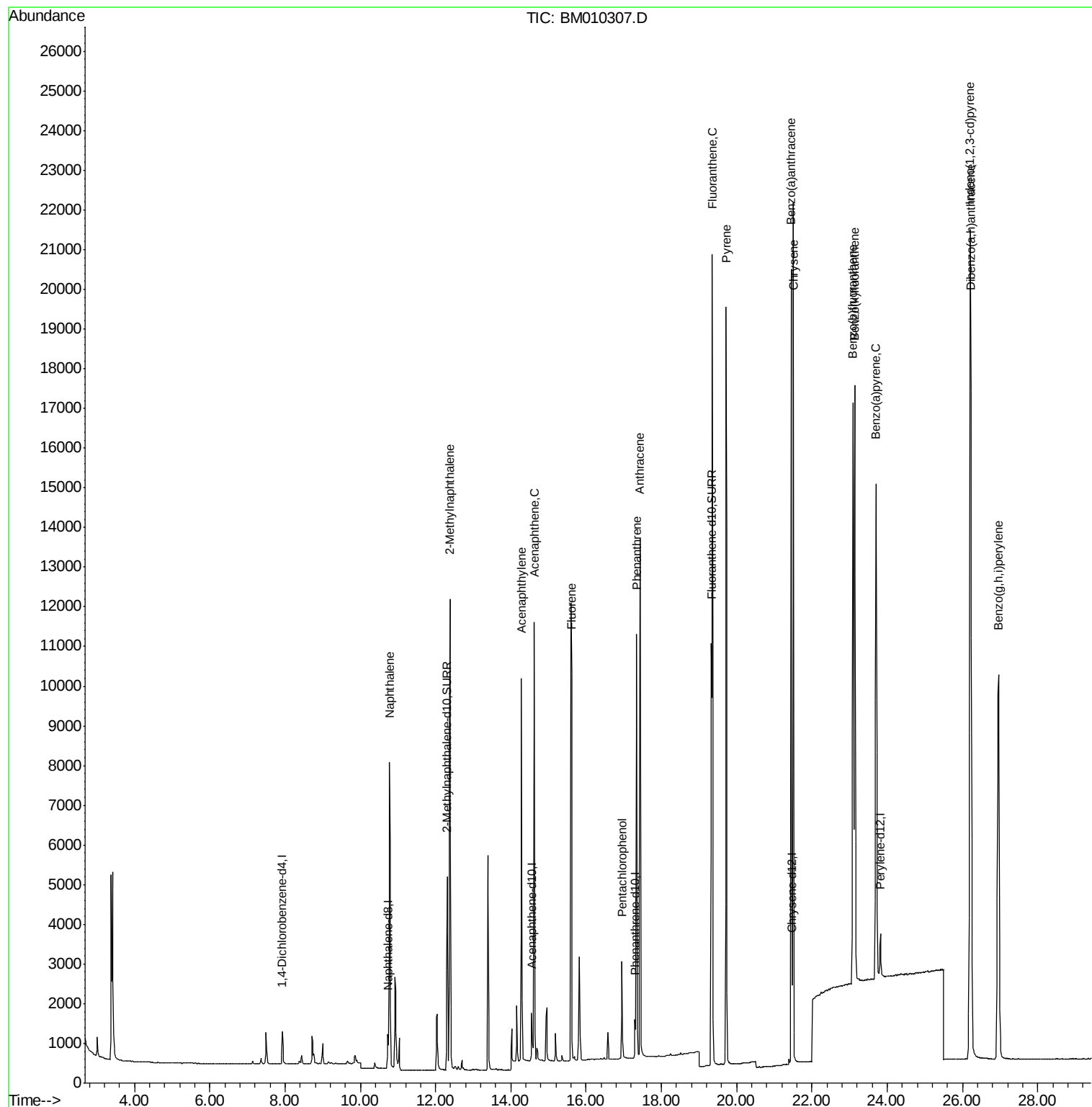
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	471	0.40	ng/ul	0.00
2) Naphthalene-d8	10.73	136	1310	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	688	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	1465	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	1428	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	1527	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	6097	3.07	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	13005	3.00	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.78	128	10981	3.15	ng/ul#	94
5) 2-Methylnaphthalene	12.38	142	8010	3.14	ng/ul	99
7) Acenaphthylene	14.28	152	11317	3.38	ng/ul	96
8) Acenaphthene	14.62	153	8301	3.11	ng/ul	90
9) Fluorene	15.62	166	9901	3.12	ng/ul	93
11) Pentachlorophenol	16.95	266	1884	3.32	ng/ul	97
12) Phenanthrene	17.35	178	15342	3.51	ng/ul#	93
13) Anthracene	17.43	178	14965	3.45	ng/ul	93
15) Fluoranthene	19.35	202	19378	3.36	ng/ul	91
17) Pyrene	19.71	202	19765	4.16	ng/ul	96
18) Benzo(a)anthracene	21.45	228	18793	3.94	ng/ul	97
19) Chrysene	21.50	228	18252	4.07	ng/ul	97
21) Benzo(b)fluoranthene	23.09	252	22453	4.26	ng/ul	83
22) Benzo(k)fluoranthene	23.14	252	19580	3.87	ng/ul#	85
23) Benzo(a)pyrene	23.70	252	20632	4.07	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.20	276	27159	4.66	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.21	278	21874	4.56	ng/ul#	84
26) Benzo(g,h,i)perylene	26.95	276	23086	4.63	ng/ul#	86

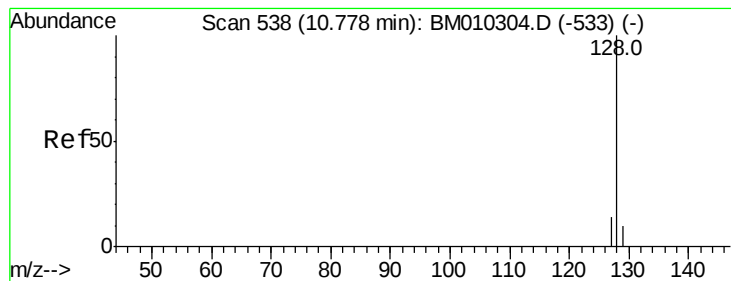
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.15 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

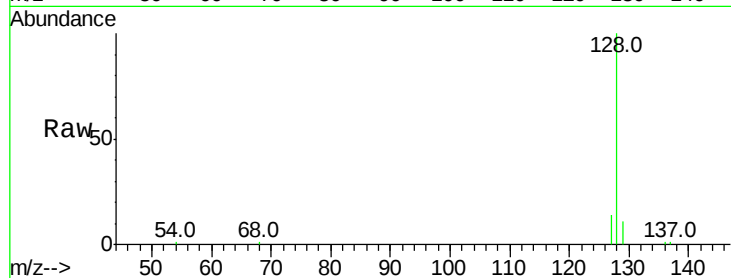
Tot Ion:128 Resp: 10981

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

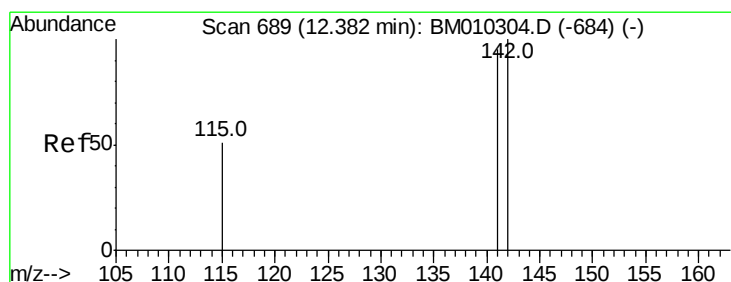
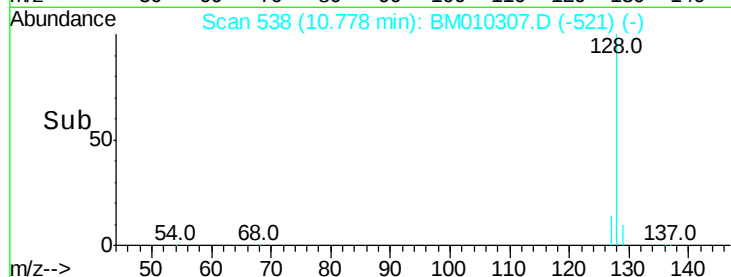
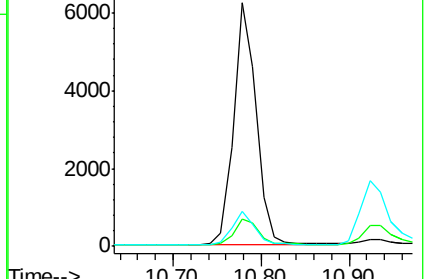
127 14.3 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 3.14 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM010307.D

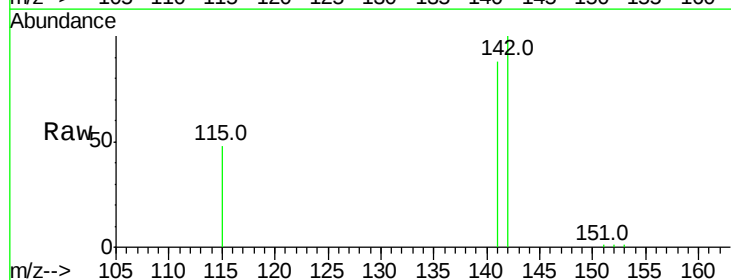
Acq: 30 May 2017 12:25

Tgt Ion:142 Resp: 8010

Ion Ratio Lower Upper

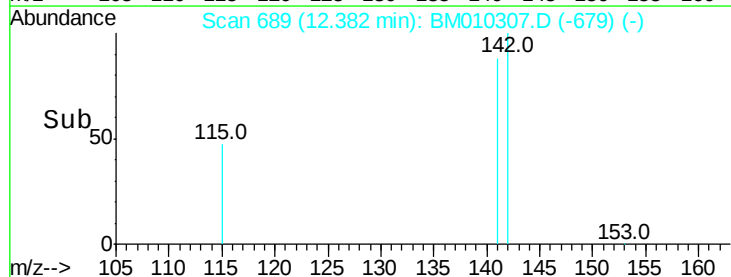
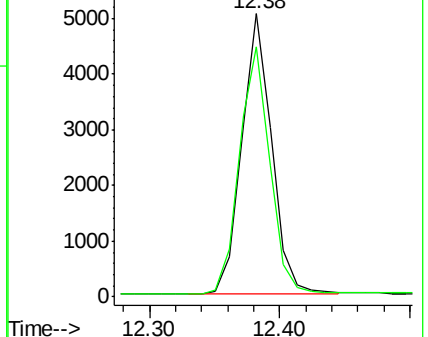
142 100

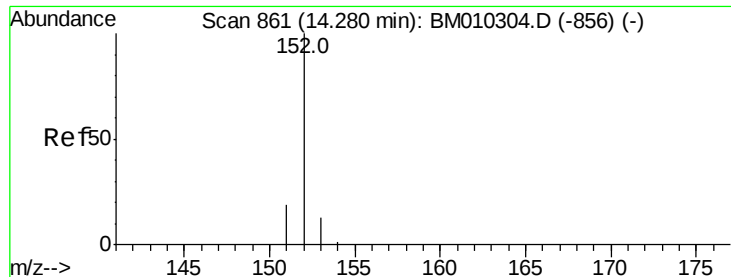
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.38 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

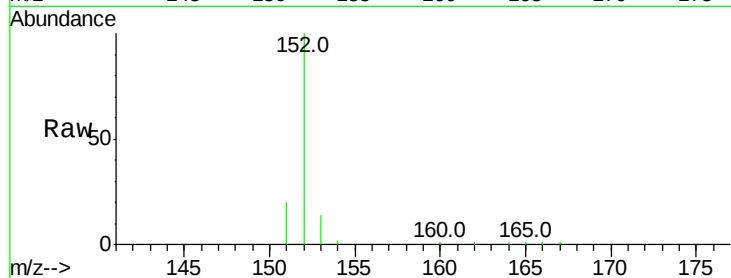
Tot Ion:152 Resp: 11317

Ion Ratio Lower Upper

152 100

151 19.7 17.1 25.7

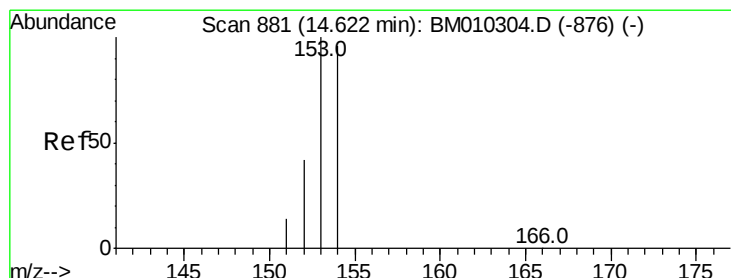
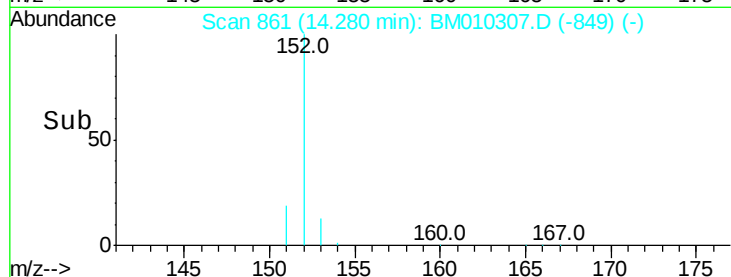
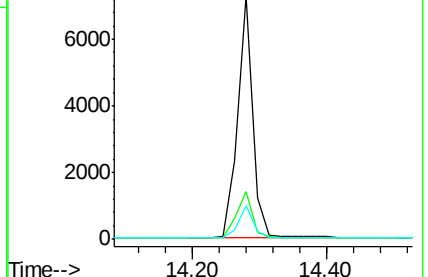
153 13.9 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 3.11 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

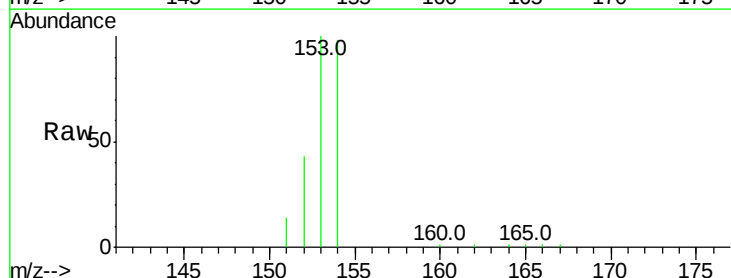
Tgt Ion:153 Resp: 8301

Ion Ratio Lower Upper

153 100

152 43.4 40.3 60.5

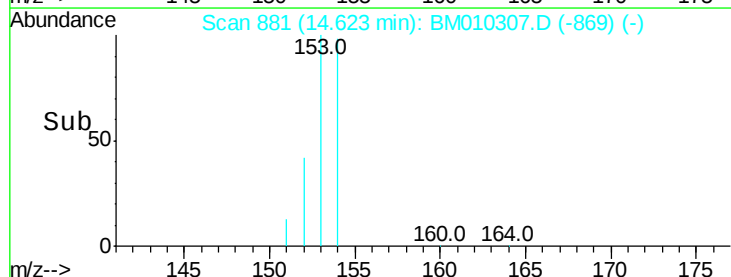
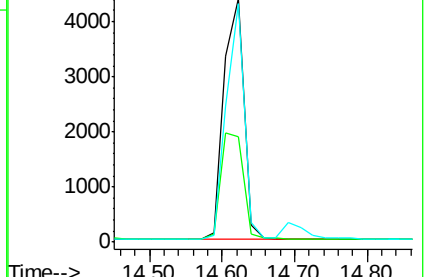
154 97.9 71.4 107.2

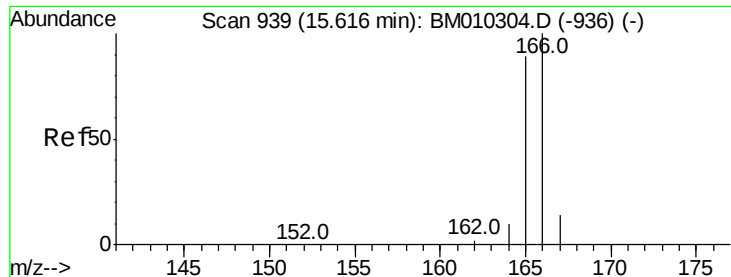


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 3.12 ng/ul

RT: 15.62 min Scan# 939

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

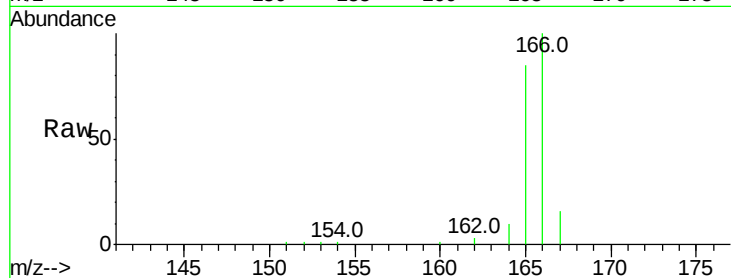
Tot Ion:166 Resp: 9901

Ion Ratio Lower Upper

166 100

165 85.3 73.4 110.2

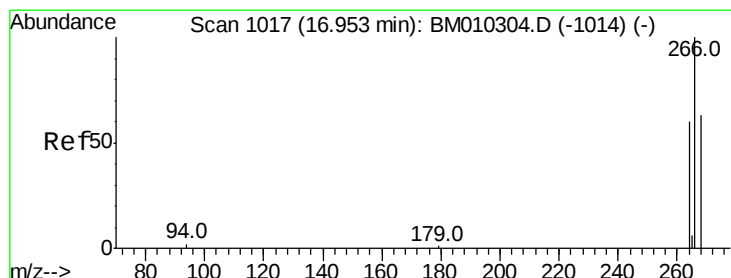
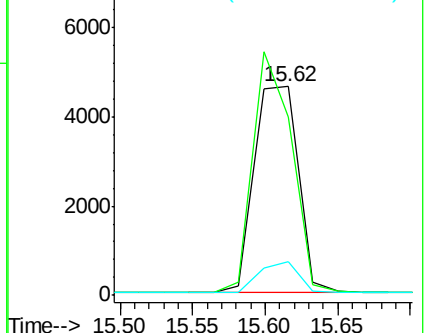
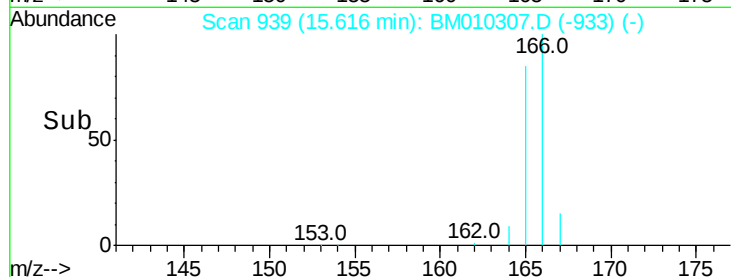
167 15.9 14.6 22.0



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



#11

Pentachlorophenol

Concen: 3.32 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

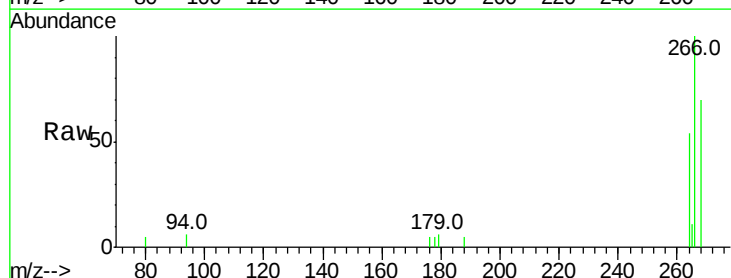
Tgt Ion:266 Resp: 1884

Ion Ratio Lower Upper

266 100

264 62.5 47.9 71.9

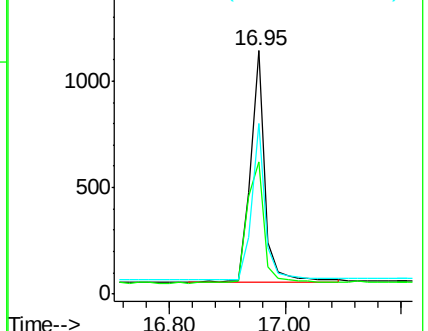
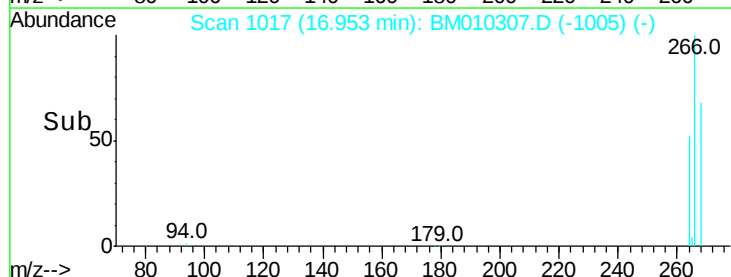
268 64.4 49.8 74.8

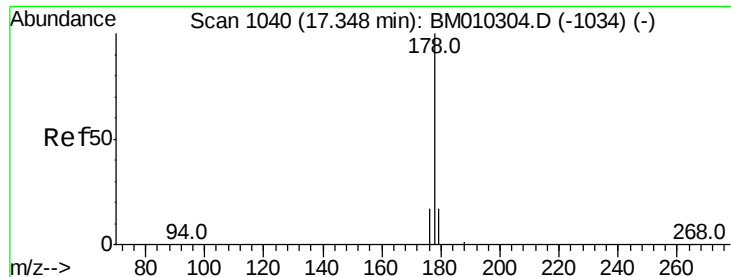


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.51 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

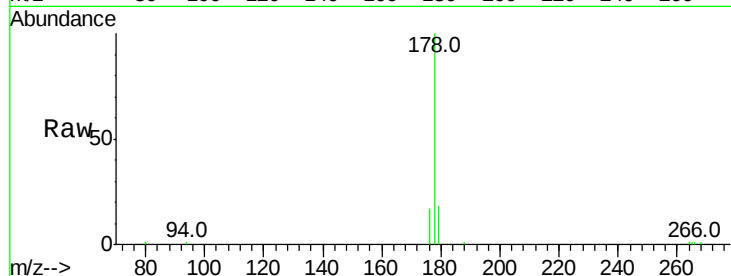
Tot Ion:178 Resp: 15342

Ion Ratio Lower Upper

178 100

176 17.2 18.4 27.6#

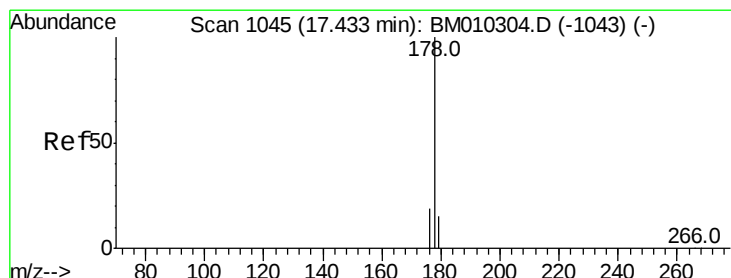
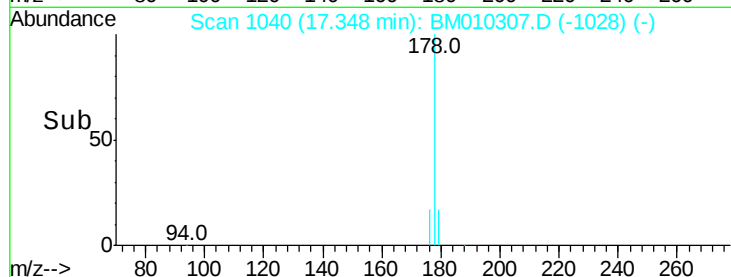
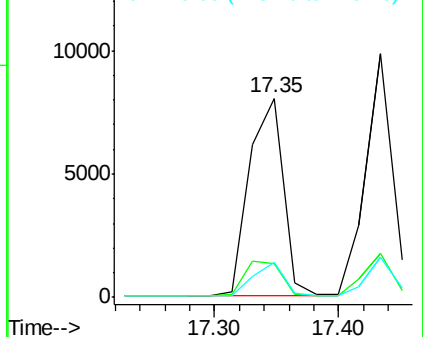
179 17.5 13.6 20.4



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: 3.45 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

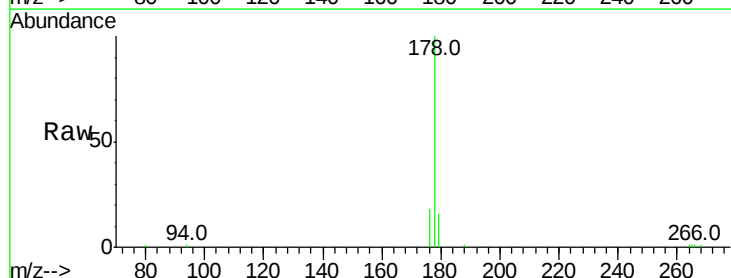
Tgt Ion:178 Resp: 14965

Ion Ratio Lower Upper

178 100

176 18.1 18.1 27.1

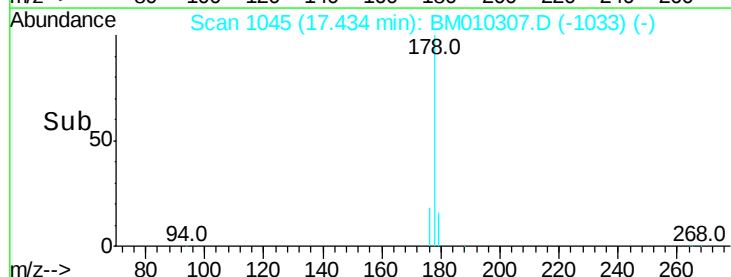
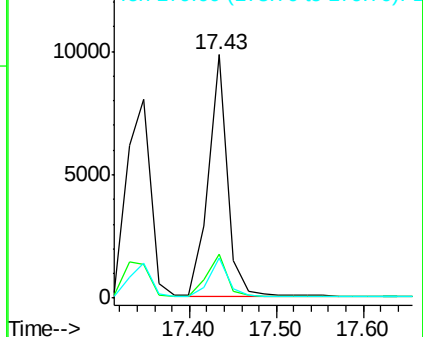
179 16.3 14.7 22.1

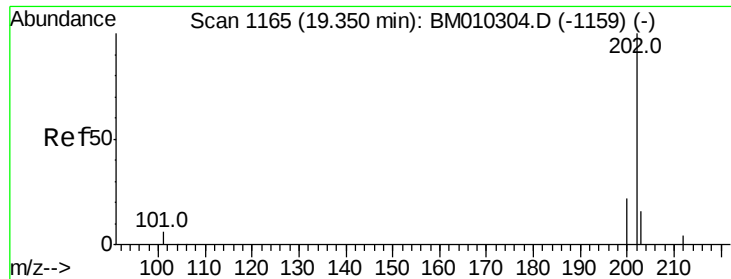


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 3.36 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

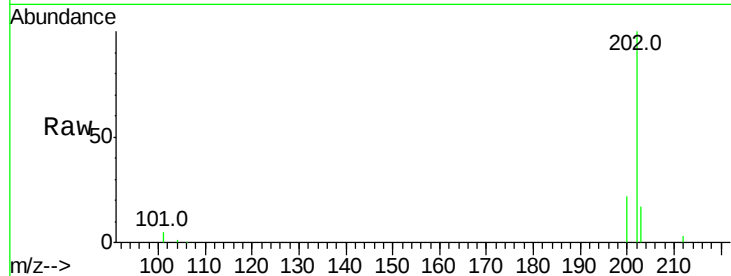
Tot Ion:202 Resp: 19378

Ion Ratio Lower Upper

202 100

101 5.0 0.0 30.3

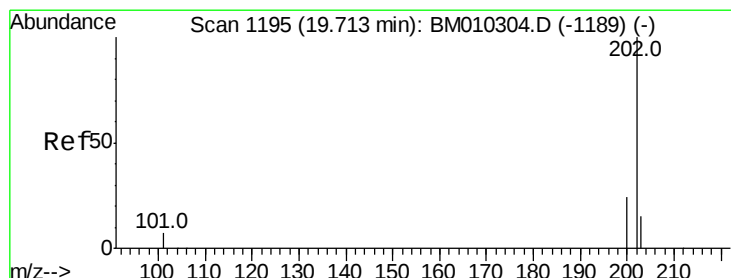
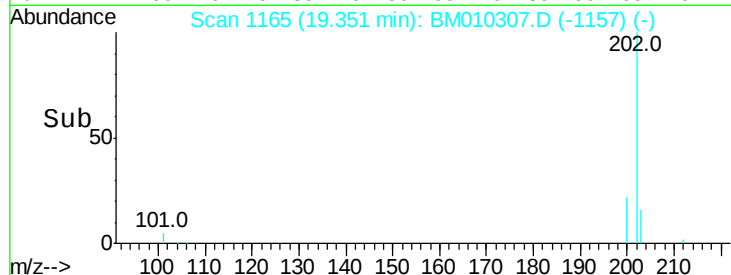
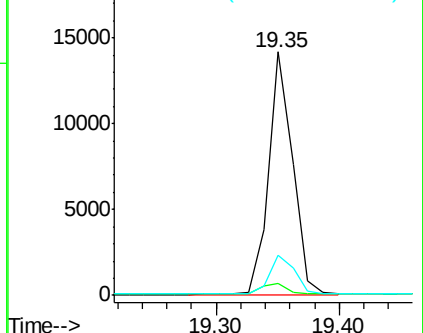
203 16.5 0.0 39.5



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: 4.16 ng/ul

RT: 19.71 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

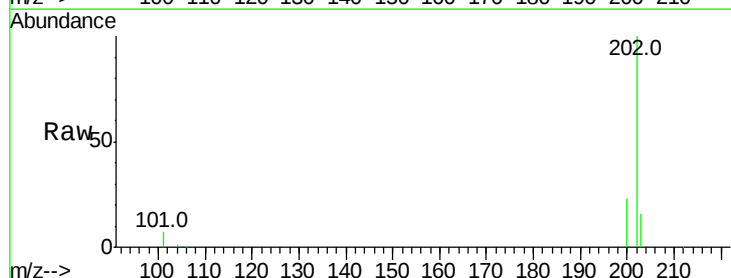
Tgt Ion:202 Resp: 19765

Ion Ratio Lower Upper

202 100

200 23.4 18.2 27.4

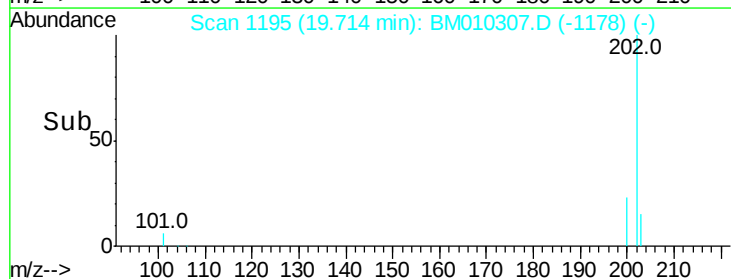
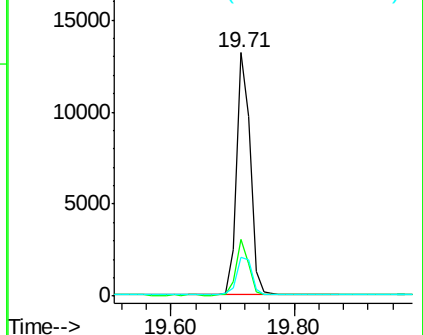
203 15.9 15.6 23.4

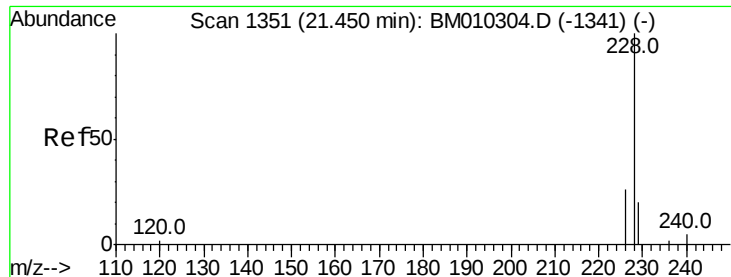


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 3.94 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

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ClientSampleId :

SSTD3.212

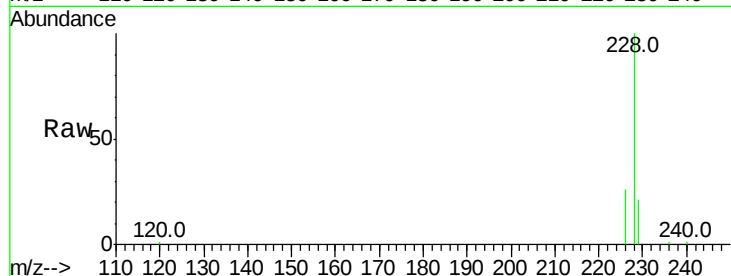
Tot Ion:228 Resp: 18793

Ion Ratio Lower Upper

228 100

226 26.0 22.8 34.2

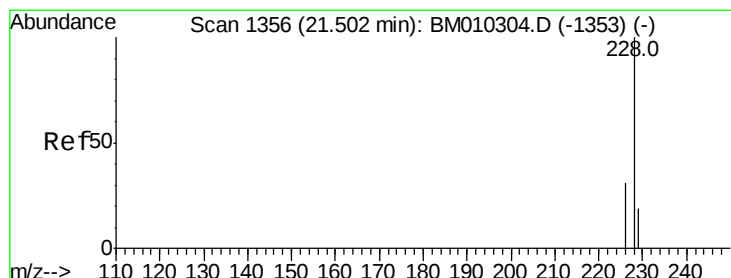
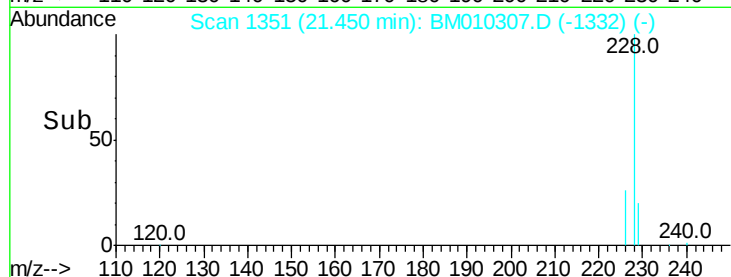
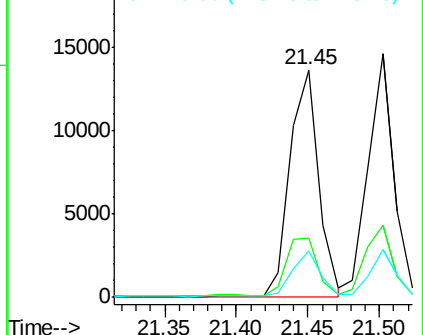
229 20.7 17.0 25.6



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: 4.07 ng/ul

RT: 21.50 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

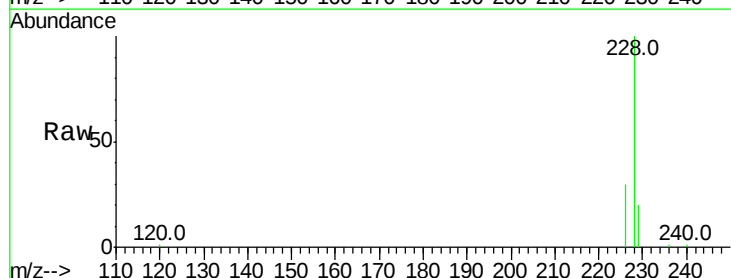
Tgt Ion:228 Resp: 18252

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

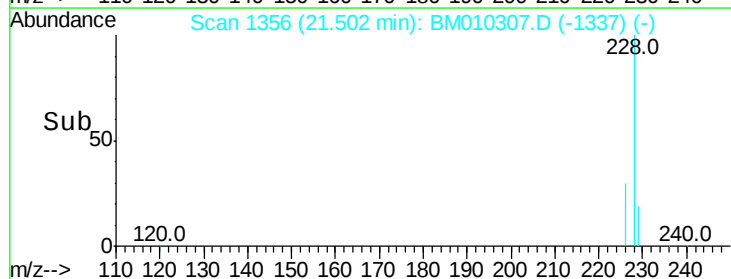
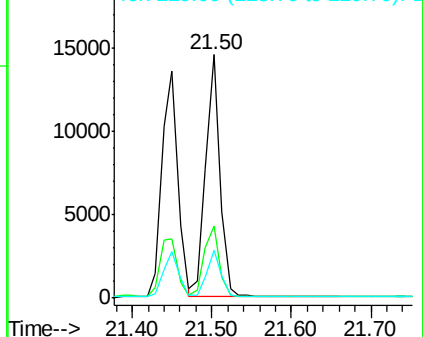
229 19.7 17.7 26.5

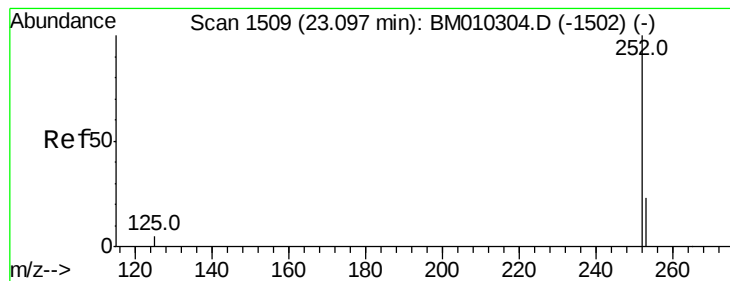


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.26 ng/ul

RT: 23.09 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

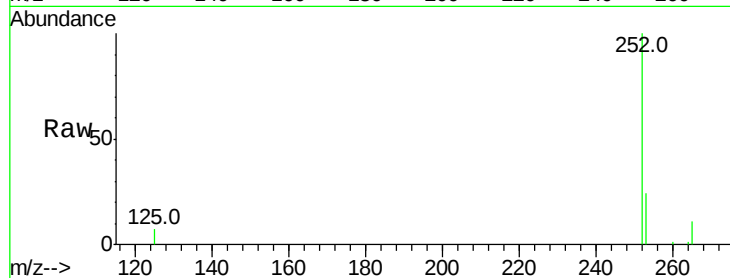
Tot Ion:252 Resp: 22453

Ion Ratio Lower Upper

252 100

253 24.4 0.0 64.2

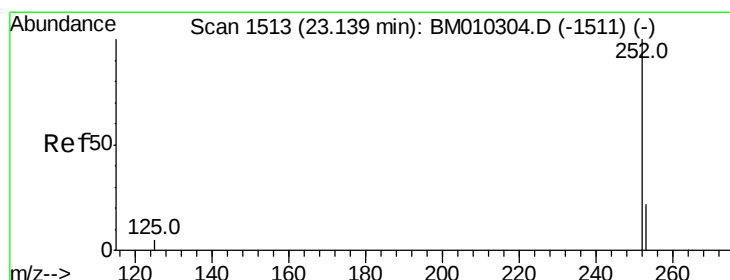
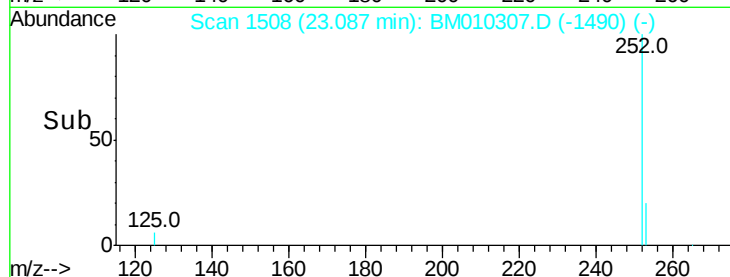
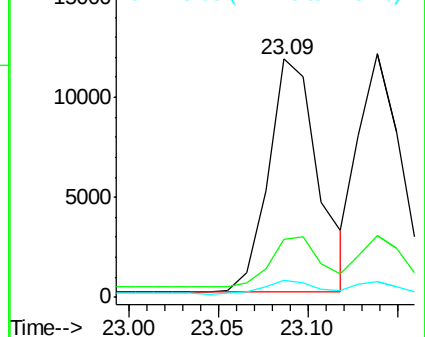
125 7.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 3.87 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

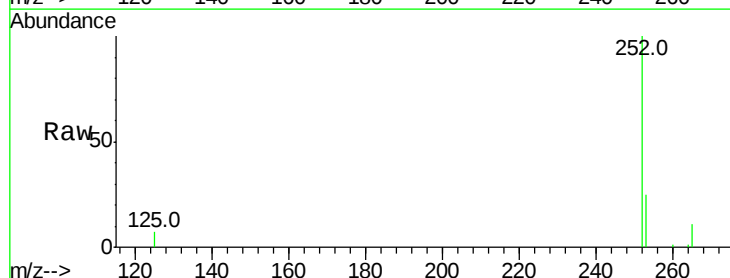
Tgt Ion:252 Resp: 19580

Ion Ratio Lower Upper

252 100

253 25.4 24.5 36.7

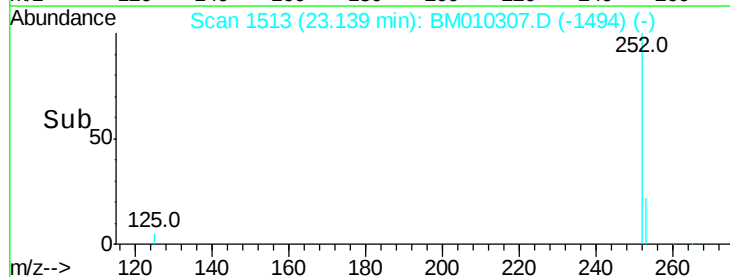
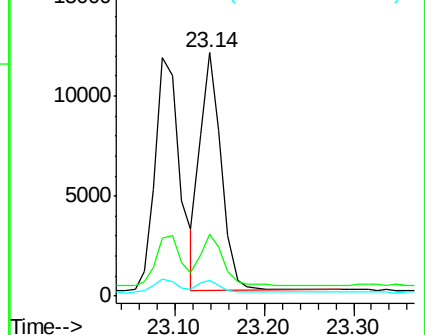
125 6.7 13.7 20.5#

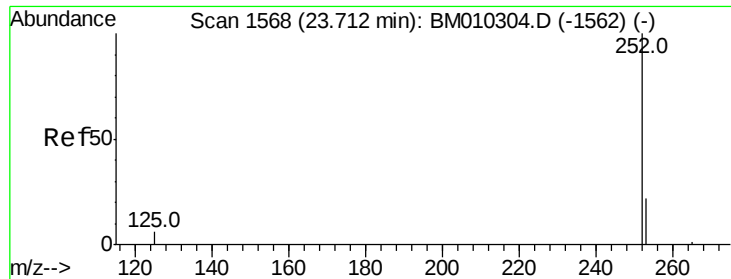


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 4.07 ng/ul

RT: 23.70 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

Instrument :

BNA_M

ClientSampleId :

SSTD3.212

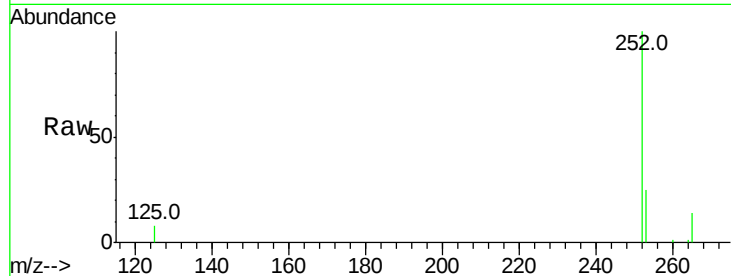
Tot Ion:252 Resp: 20632

Ion Ratio Lower Upper

252 100

253 25.5 28.5 42.7#

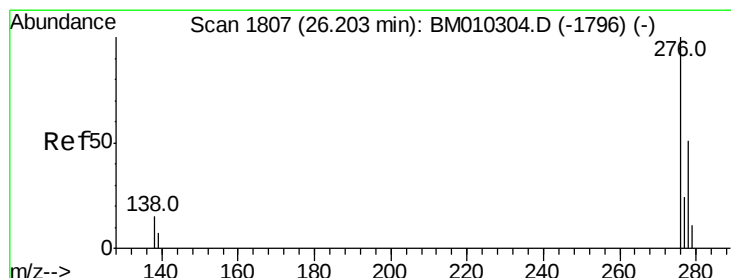
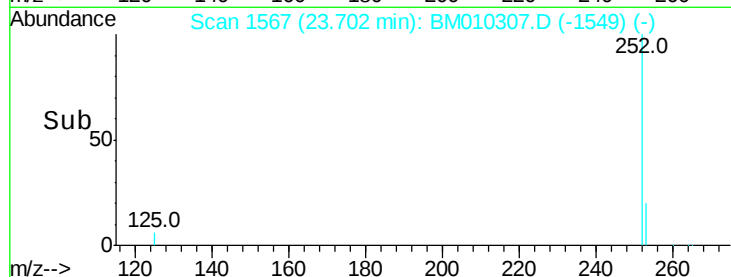
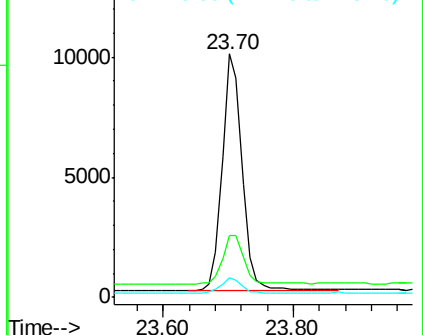
125 7.8 18.1 27.1#



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: 4.66 ng/ul

RT: 26.20 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BM010307.D

Acq: 30 May 2017 12:25

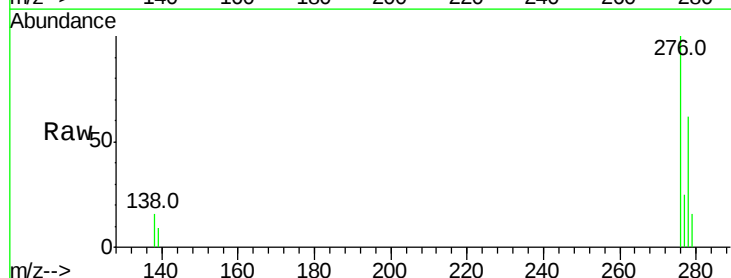
Tgt Ion:276 Resp: 27159

Ion Ratio Lower Upper

276 100

138 15.8 19.1 28.7#

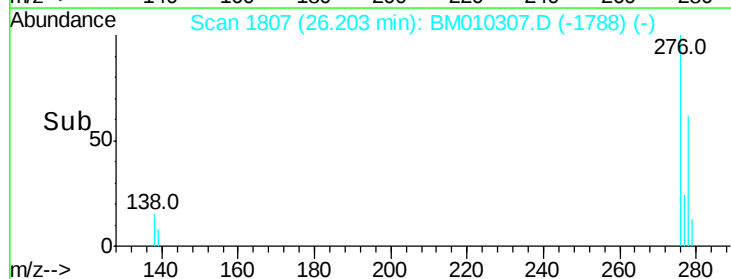
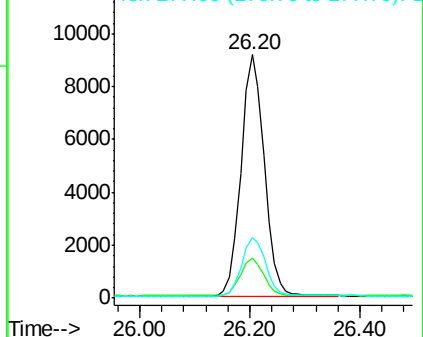
277 24.8 19.6 29.4

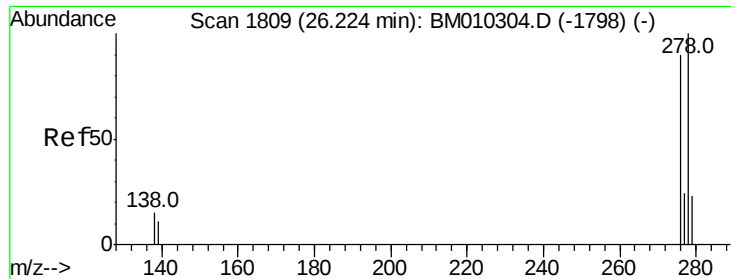


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

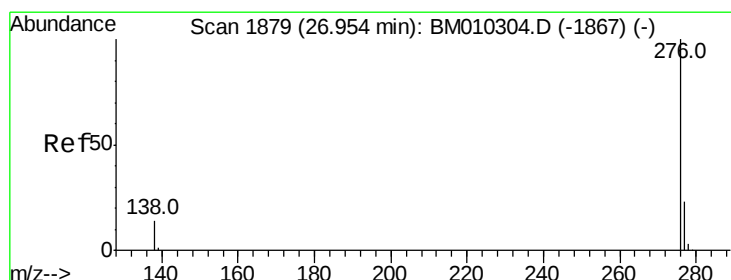
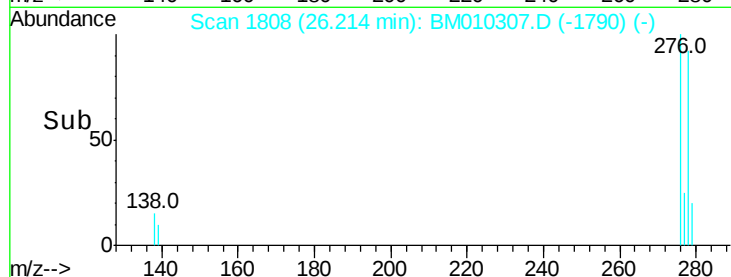
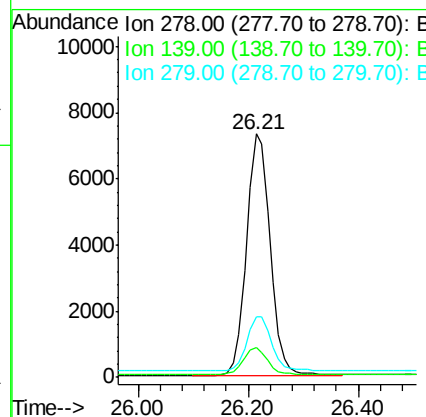
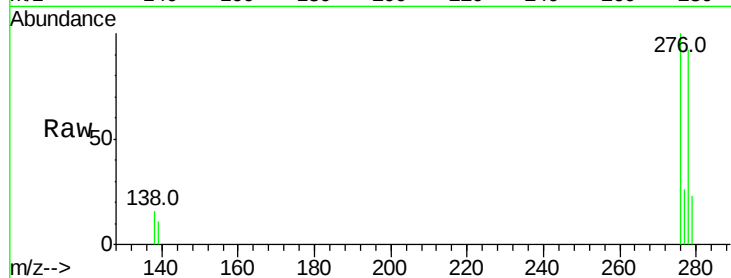




#25
Dibenzo(a,h)anthracene
Concen: 4.56 ng/ul
RT: 26.21 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BM010307.D
Acq: 30 May 2017 12:25

Instrument :
BNA_M
ClientSampleId :
SSTD3.212

Tot Ion:278 Resp: 21874
Ion Ratio Lower Upper
278 100
139 12.3 17.4 26.0#
279 24.9 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 4.63 ng/ul
RT: 26.95 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM010307.D
Acq: 30 May 2017 12:25

Tgt Ion:276 Resp: 23086
Ion Ratio Lower Upper
276 100
277 24.6 21.8 32.8
138 14.3 20.5 30.7#

