

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010303.D
 Acq On : 30 May 2017 10:01
 Operator : SJ/MA
 Sample : SST00.208
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST00.208

Quant Time: May 30 13:00:12 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	842	0.40	ng/ul	0.00
2) Naphthalene-d8	10.74	136	2506	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.55	164	1362	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	2996	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	2521	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	2641	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	708	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	1437	0.16	ng/ul	0.00

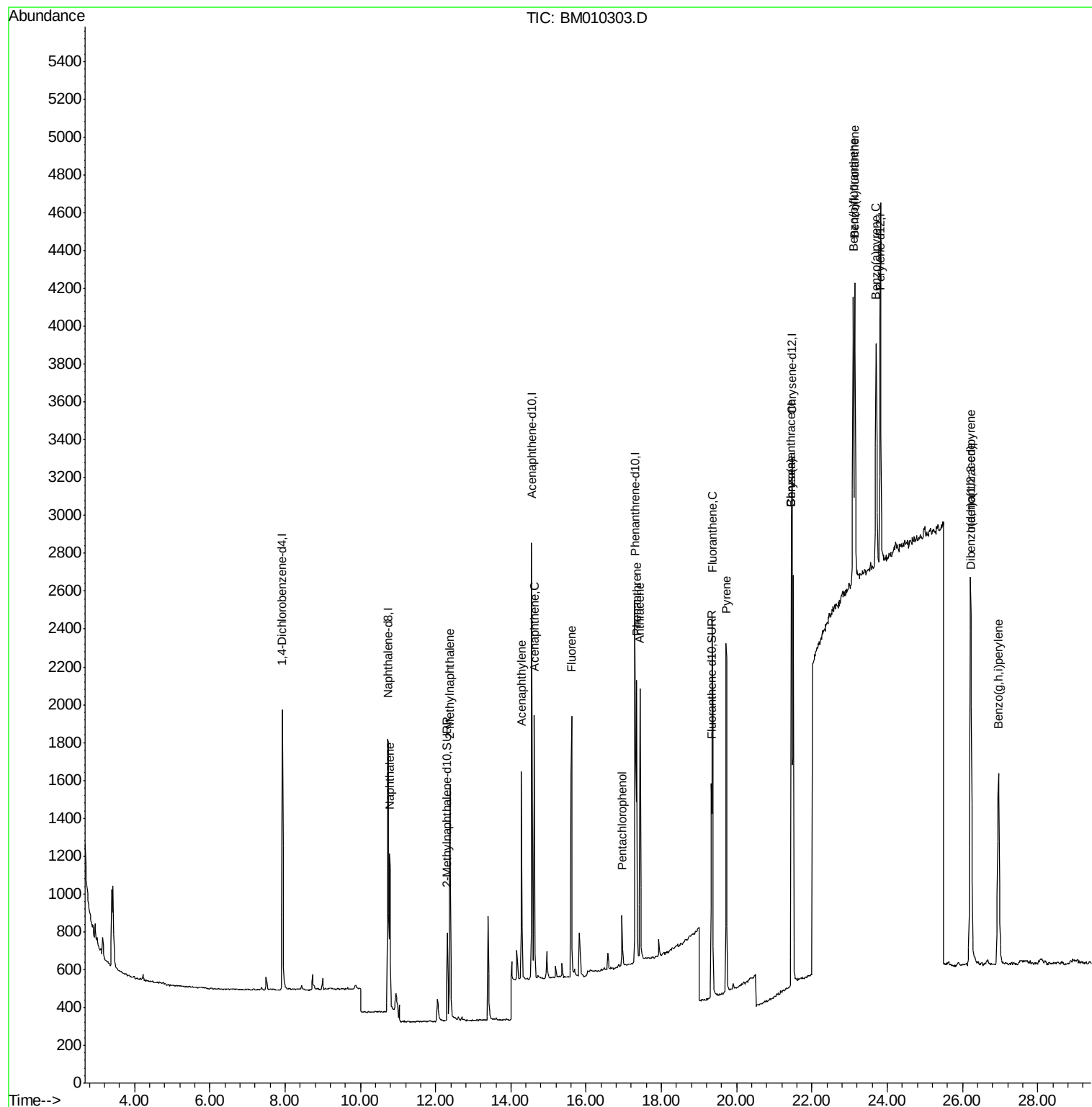
Target Compounds				Ovalue		
3) Naphthalene	10.78	128	1311	0.20	ng/ul#	91
5) 2-Methylnaphthalene	12.38	142	907	0.19	ng/ul	99
7) Acenaphthylene	14.28	152	1331	0.20	ng/ul	95
8) Acenaphthene	14.62	153	1016	0.19	ng/ul	93
9) Fluorene	15.62	166	1196	0.19	ng/ul	96
11) Pentachlorophenol	16.95	266	211	0.18	ng/ul	89
12) Phenanthrene	17.35	178	1850	0.21	ng/ul#	93
13) Anthracene	17.43	178	1724	0.19	ng/ul	98
15) Fluoranthene	19.35	202	2154	0.18	ng/ul	98
17) Pyrene	19.73	202	2211	0.26	ng/ul#	94
18) Benzo(a)anthracene	21.45	228	2015	0.24	ng/ul	95
19) Chrysene	21.45	228	2015	0.25	ng/ul	96
21) Benzo(b)fluoranthene	23.10	252	2294	0.25	ng/ul	70
22) Benzo(k)fluoranthene	23.14	252	2185	0.25	ng/ul#	69
23) Benzo(a)pyrene	23.70	252	2188	0.25	ng/ul#	70
24) Indeno(1,2,3-cd)pyrene	26.21	276	2821	0.28	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.22	278	2238	0.27	ng/ul#	83
26) Benzo(g,h,i)perylene	26.95	276	2481	0.29	ng/ul#	93

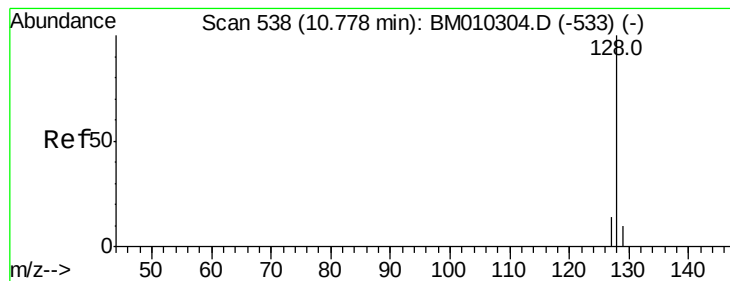
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

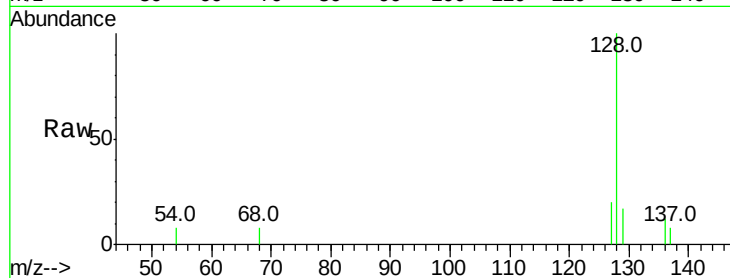
Tot Ion:128 Resp: 1311

Ion Ratio Lower Upper

128 100

129 17.1 11.3 16.9#

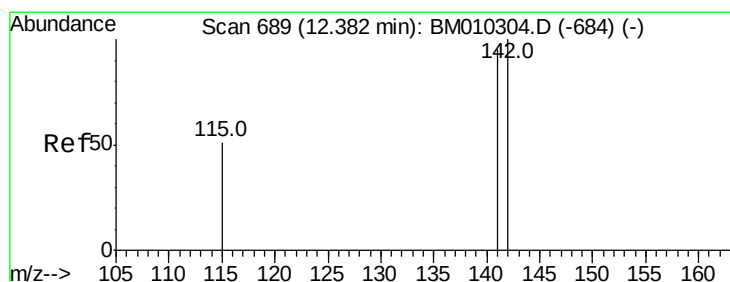
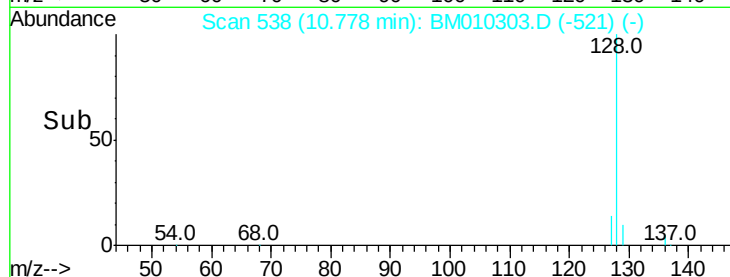
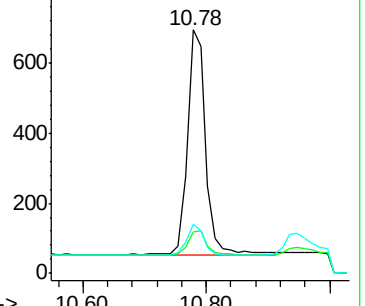
127 20.3 12.8 19.2#



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: 0.19 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM010303.D

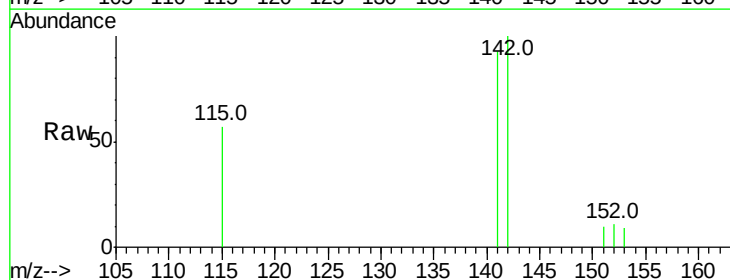
Acq: 30 May 2017 10:01

Tgt Ion:142 Resp: 907

Ion Ratio Lower Upper

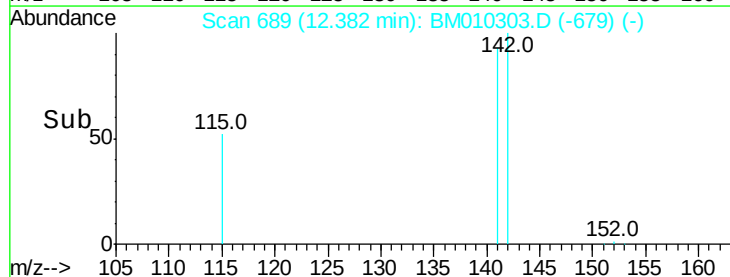
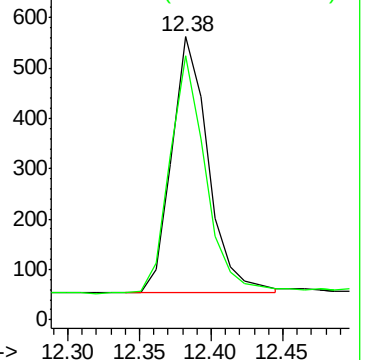
142 100

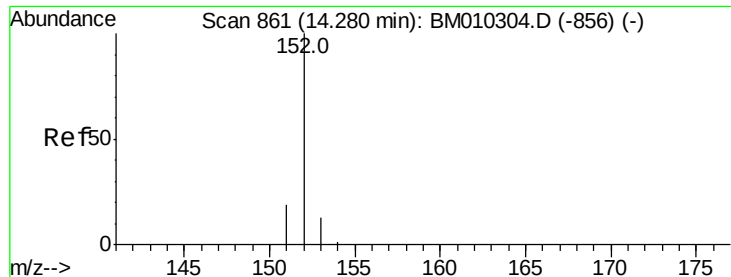
141 91.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

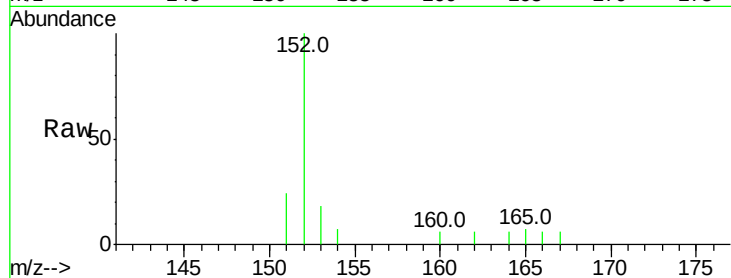
Tot Ion:152 Resp: 1331

Ion Ratio Lower Upper

152 100

151 24.2 17.1 25.7

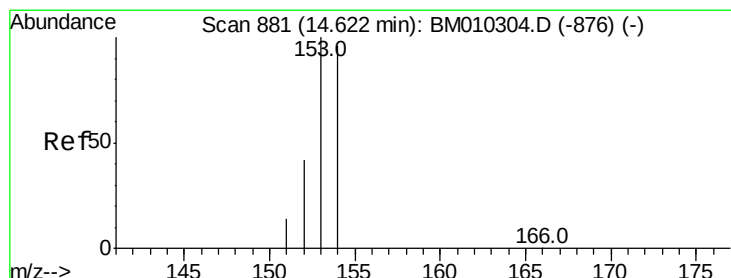
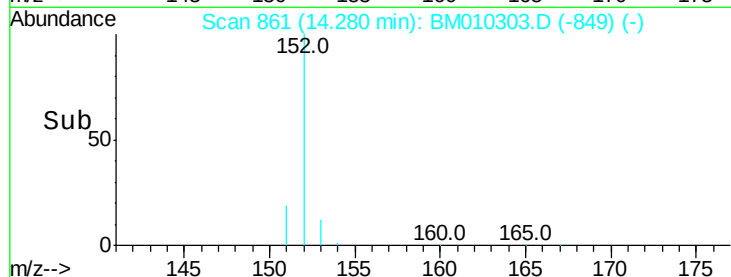
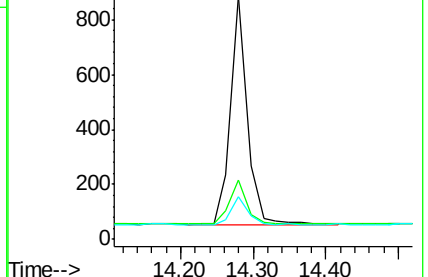
153 17.7 12.8 19.2



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: 0.19 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

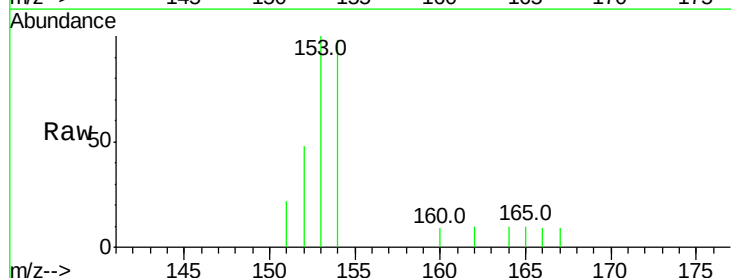
Tgt Ion:153 Resp: 1016

Ion Ratio Lower Upper

153 100

152 47.9 40.3 60.5

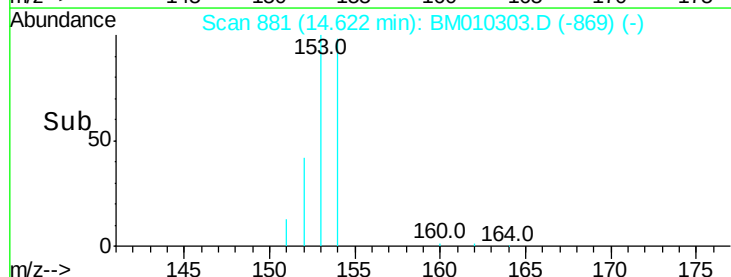
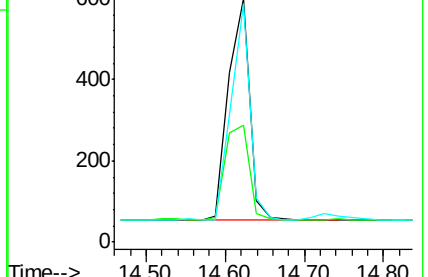
154 98.0 71.4 107.2

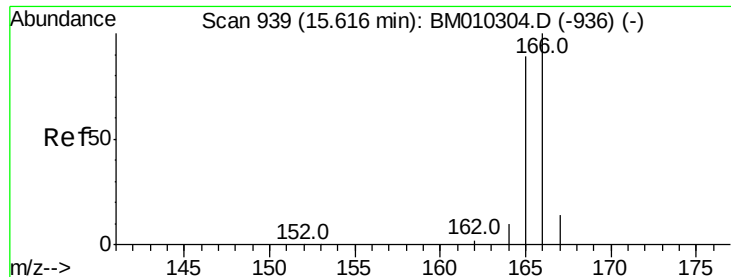


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

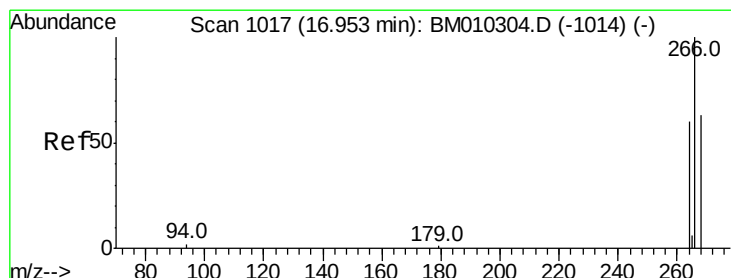
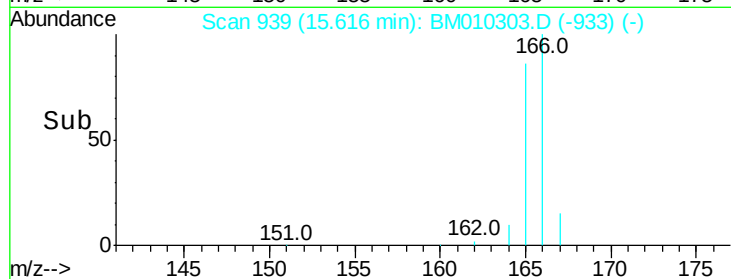
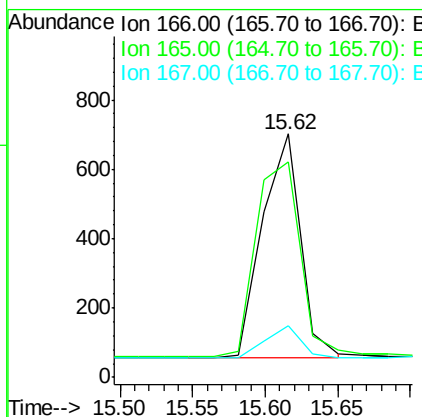
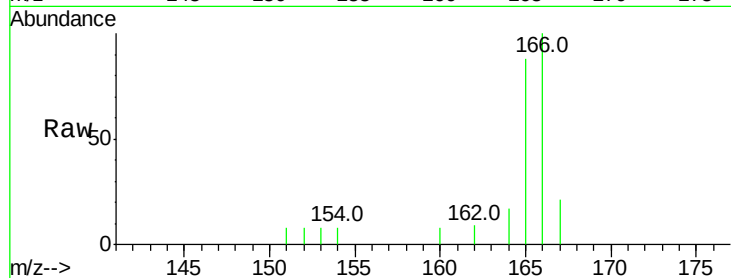




#9
Fluorene
 Concen: 0.19 ng/ul
 RT: 15.62 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BM010303.D
 Acq: 30 May 2017 10:01

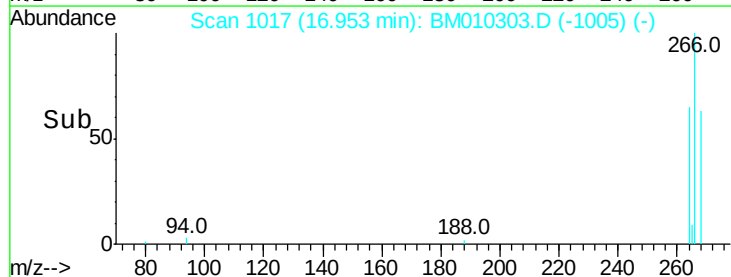
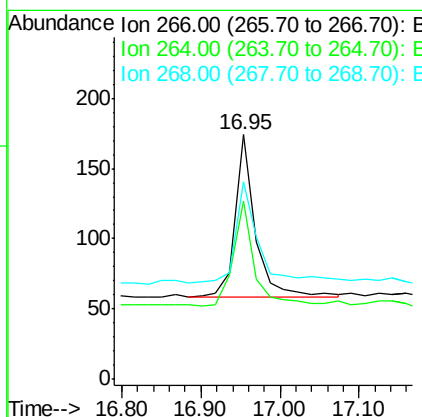
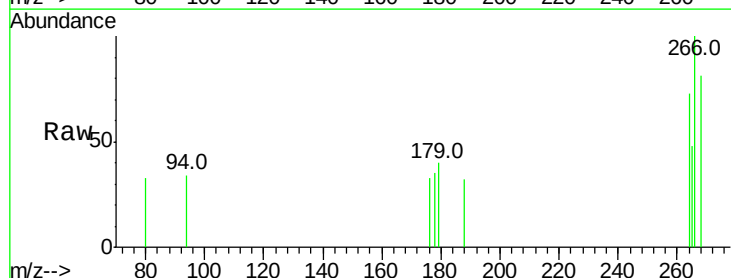
Instrument :
 BNA_M
 ClientSampleId :
 SST0.208

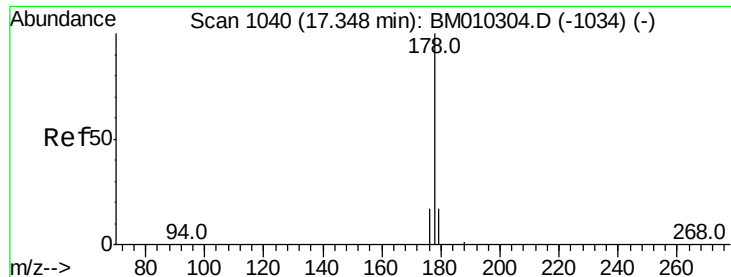
Tot Ion:166 Resp: 1196
 Ion Ratio Lower Upper
 166 100
 165 88.3 73.4 110.2
 167 21.4 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.18 ng/ul
 RT: 16.95 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BM010303.D
 Acq: 30 May 2017 10:01

Tgt Ion:266 Resp: 211
 Ion Ratio Lower Upper
 266 100
 264 67.3 47.9 71.9
 268 72.0 49.8 74.8





#12

Phenanthrene

Concen: 0.21 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

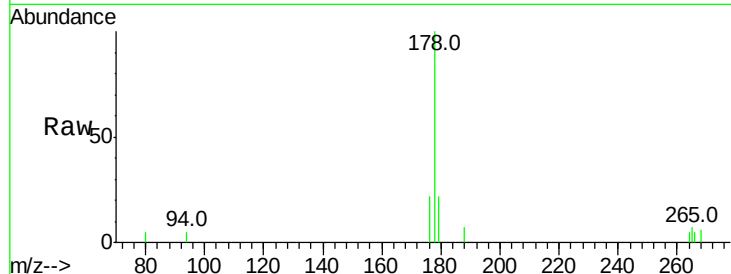
Tot Ion:178 Resp: 1850

Ion Ratio Lower Upper

178 100

176 21.6 18.4 27.6

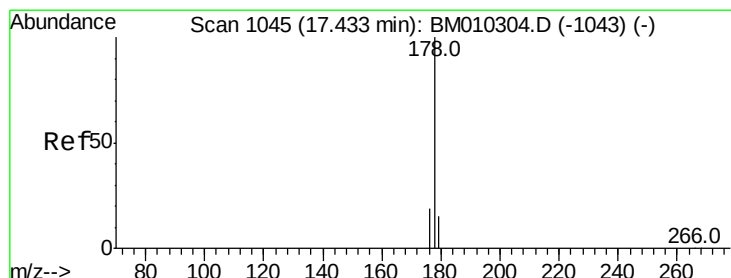
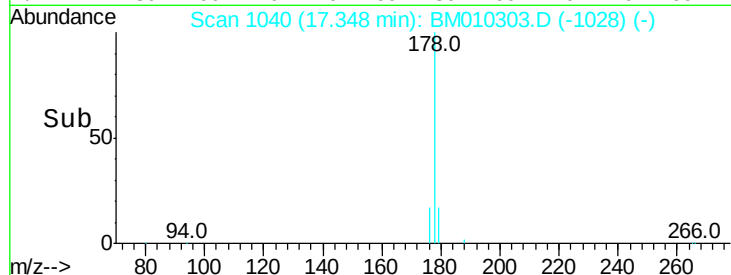
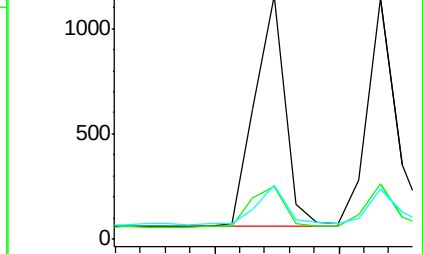
179 22.2 13.6 20.4#



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: 0.19 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

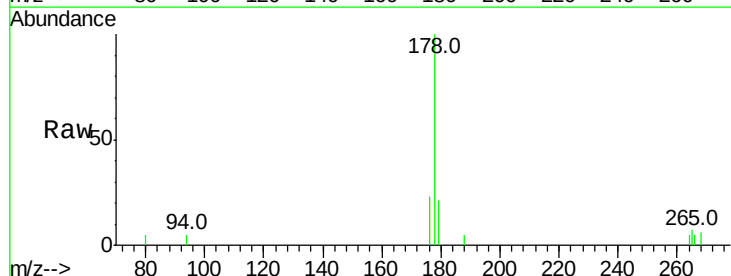
Tgt Ion:178 Resp: 1724

Ion Ratio Lower Upper

178 100

176 22.7 18.1 27.1

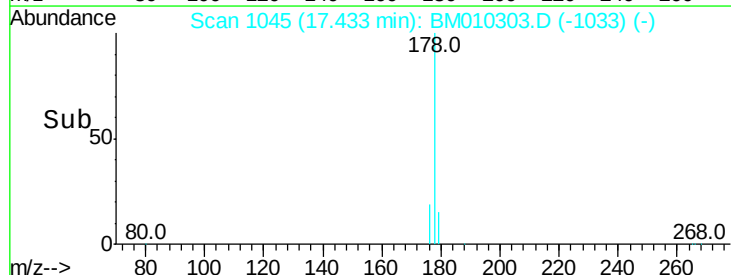
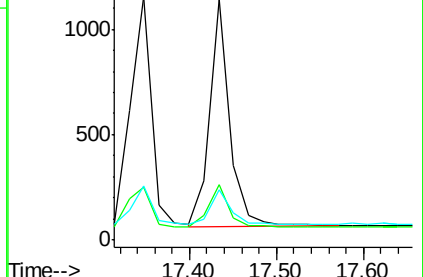
179 20.6 14.7 22.1

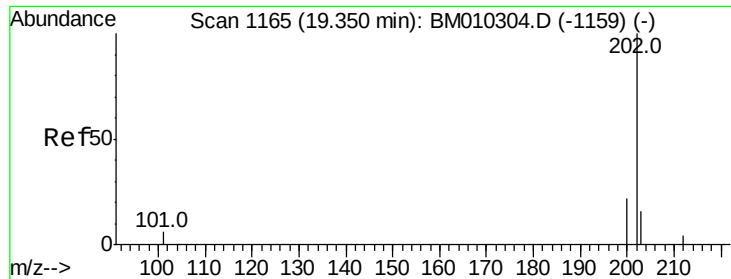


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.18 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

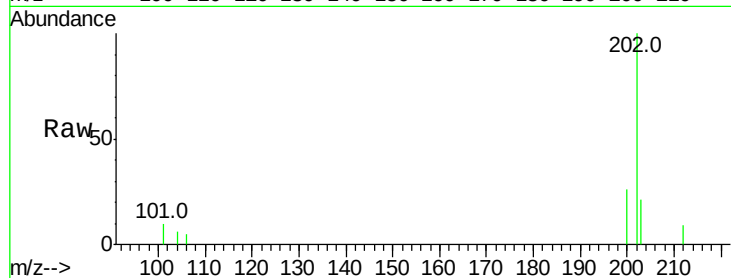
Tot Ion:202 Resp: 2154

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.3

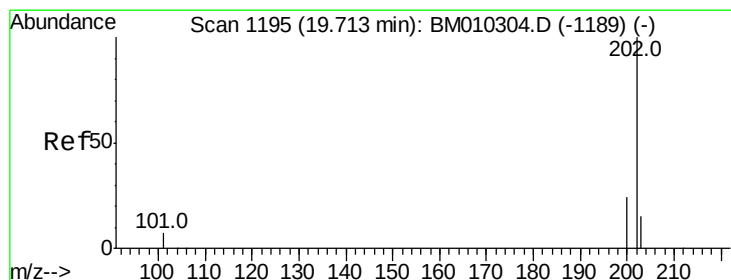
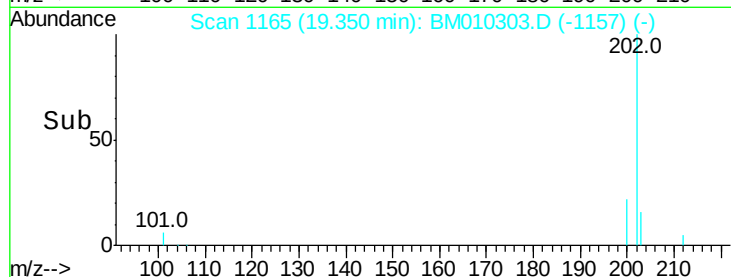
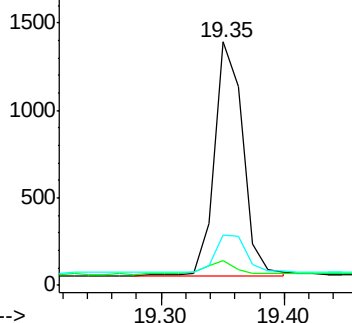
203 20.9 0.0 39.5



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: 0.26 ng/ul

RT: 19.73 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

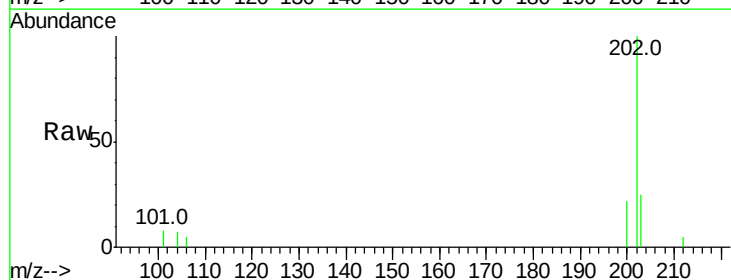
Tgt Ion:202 Resp: 2211

Ion Ratio Lower Upper

202 100

200 22.4 18.2 27.4

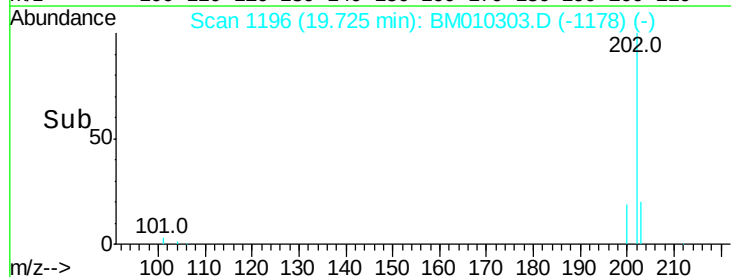
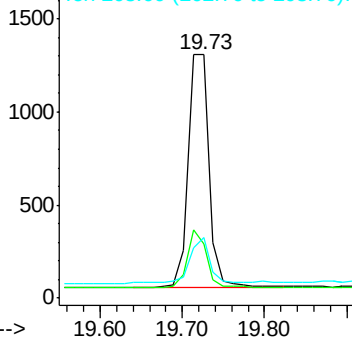
203 24.8 15.6 23.4#

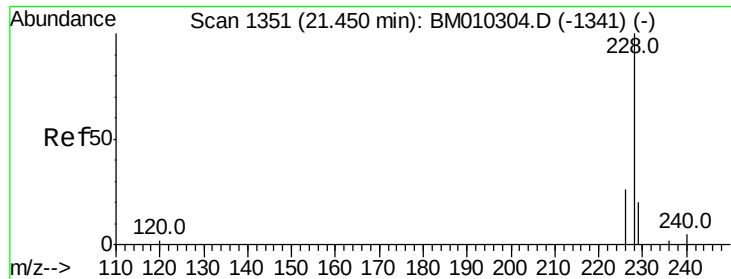


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.24 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

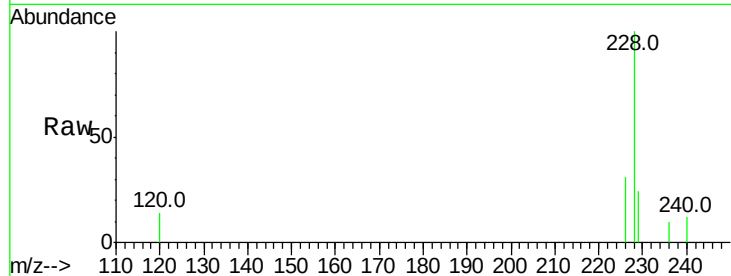
Tot Ion:228 Resp: 2015

Ion Ratio Lower Upper

228 100

226 31.3 22.8 34.2

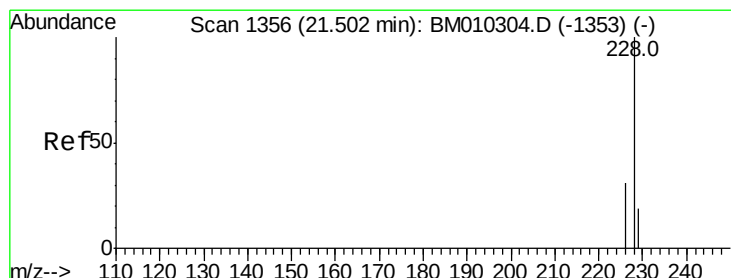
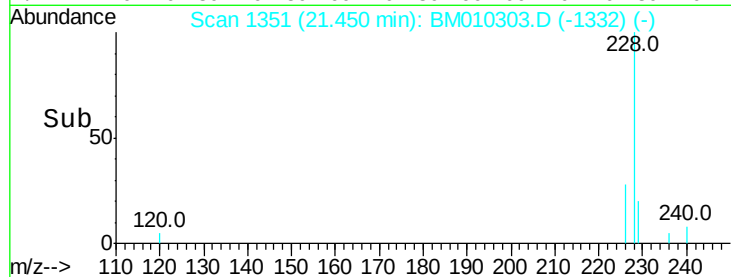
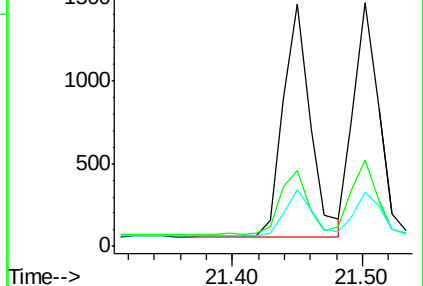
229 23.6 17.0 25.6



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: 0.25 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. -0.05 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

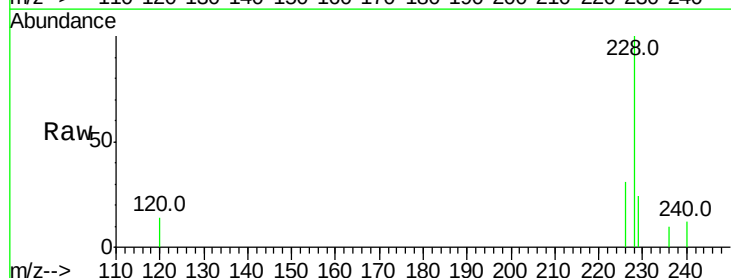
Tgt Ion:228 Resp: 2015

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

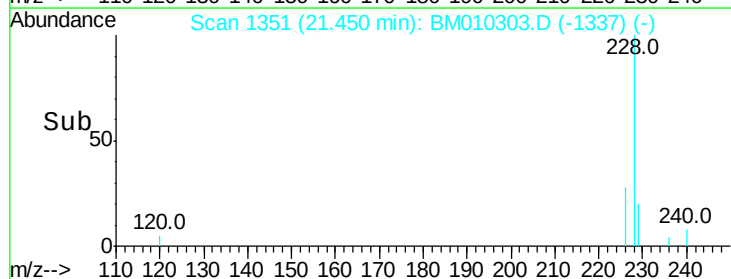
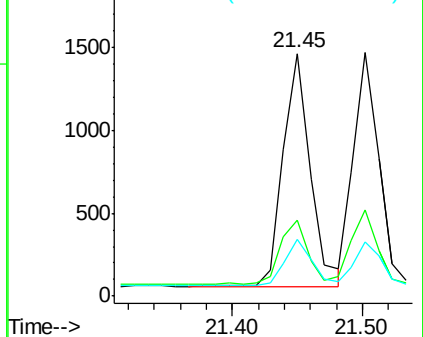
229 23.6 17.7 26.5

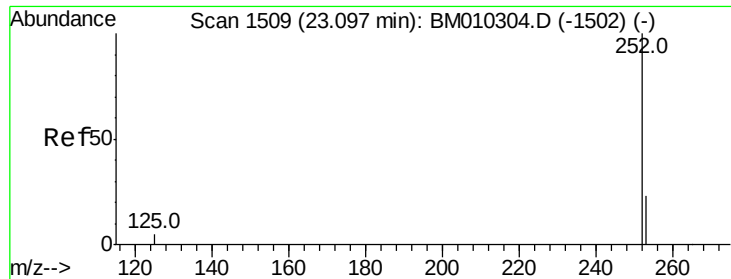


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.25 ng/ul

RT: 23.10 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

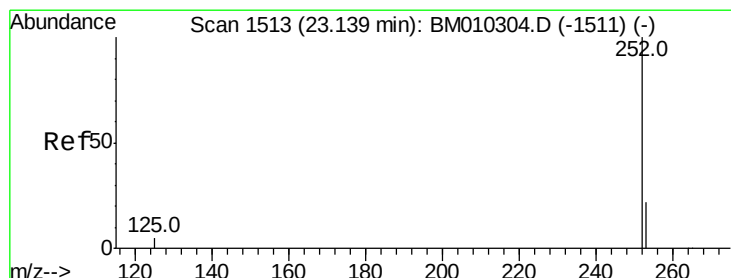
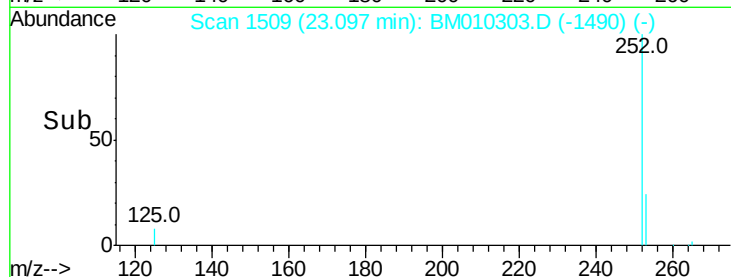
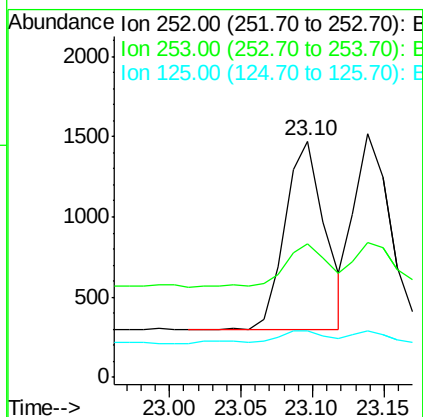
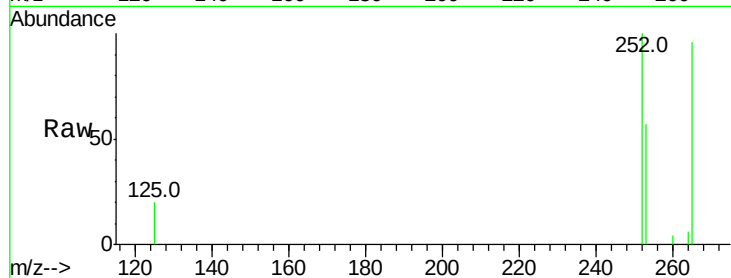
Tot Ion:252 Resp: 2294

Ion Ratio Lower Upper

252 100

253 56.6 0.0 64.2

125 19.8 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.25 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

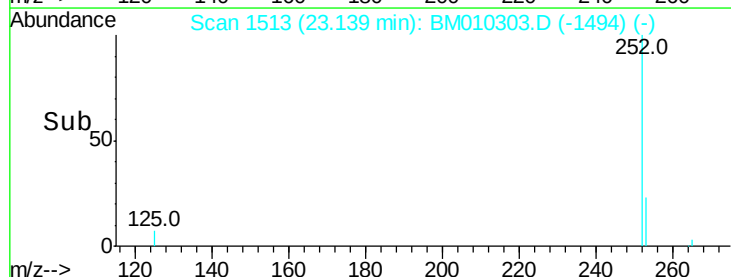
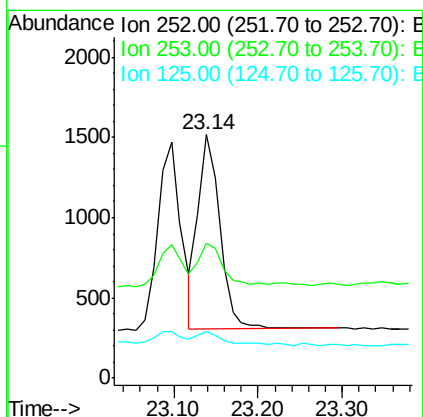
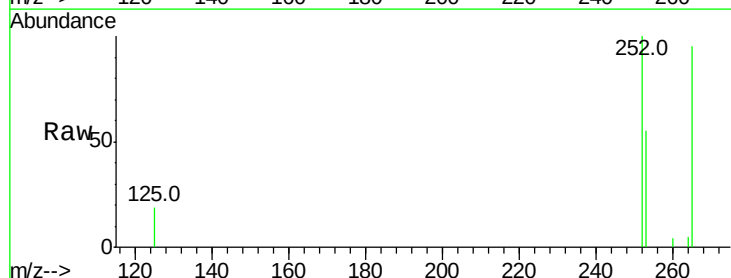
Tgt Ion:252 Resp: 2185

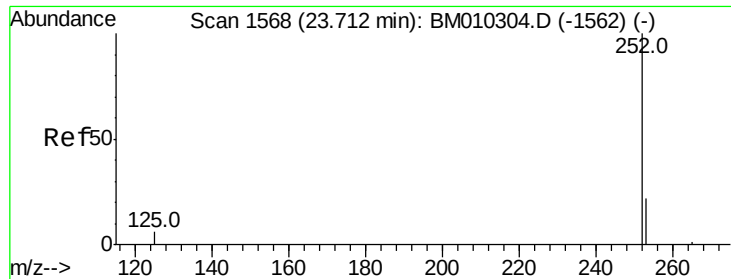
Ion Ratio Lower Upper

252 100

253 55.5 24.5 36.7#

125 19.2 13.7 20.5





#23

Benzo(a)pyrene

Concen: 0.25 ng/ul

RT: 23.70 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD0.208

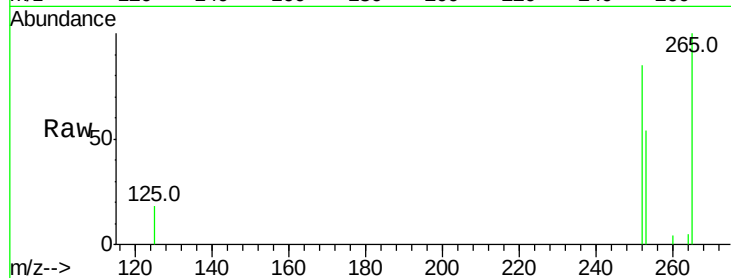
Tot Ion:252 Resp: 2188

Ion Ratio Lower Upper

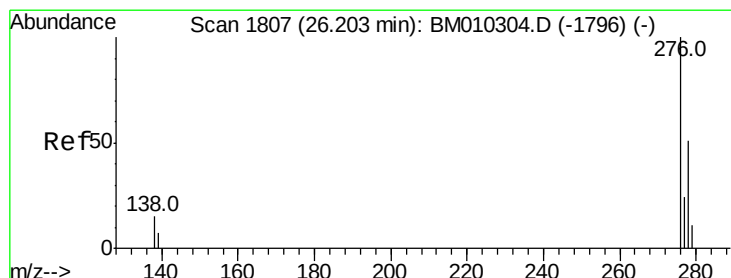
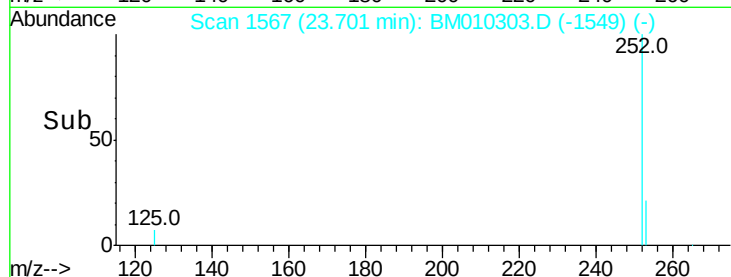
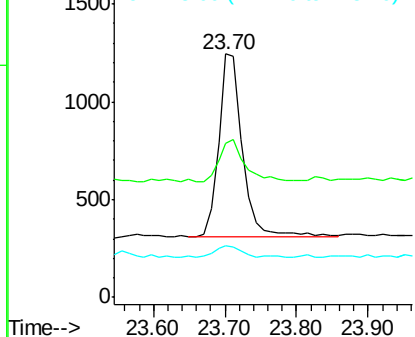
252 100

253 63.1 28.5 42.7#

125 21.4 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: 0.28 ng/ul

RT: 26.21 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BM010303.D

Acq: 30 May 2017 10:01

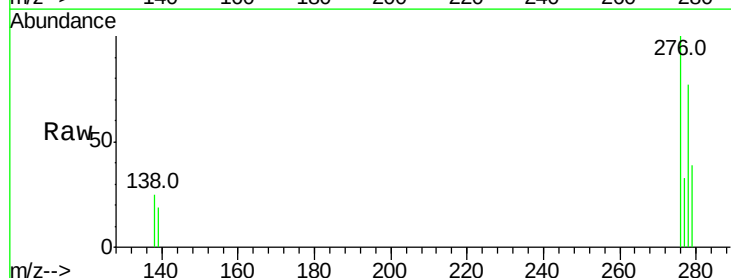
Tgt Ion:276 Resp: 2821

Ion Ratio Lower Upper

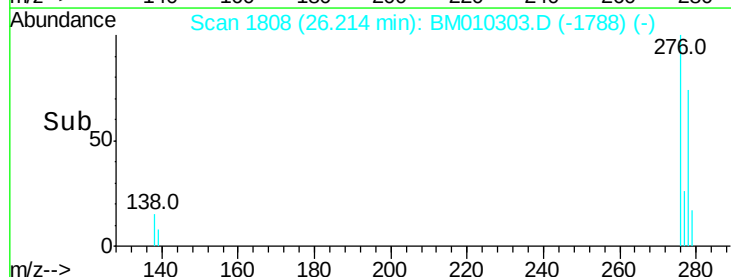
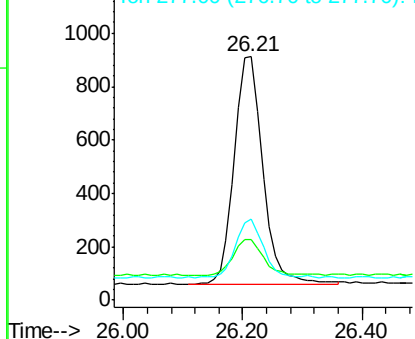
276 100

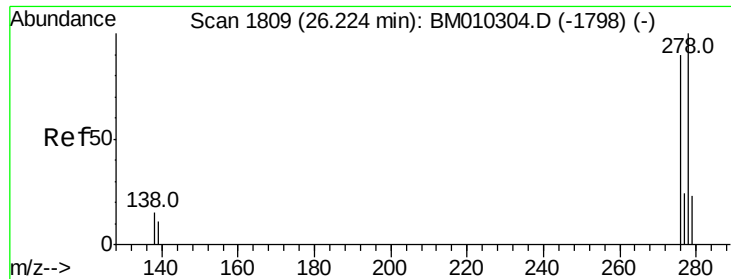
138 17.0 19.1 28.7#

277 25.5 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



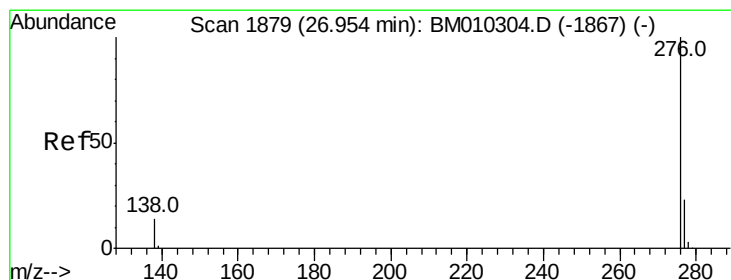
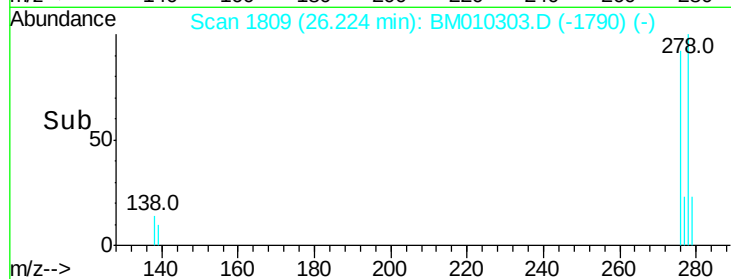
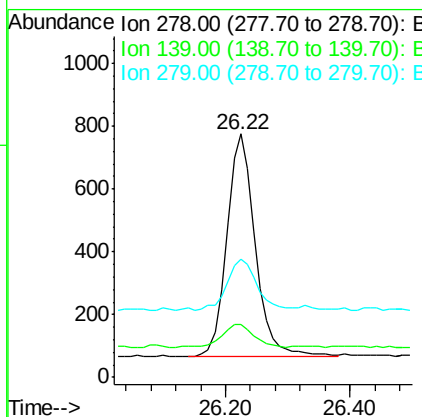
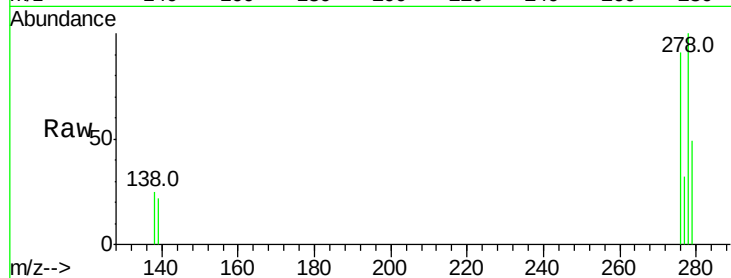


#25
Dibenzo(a,h)anthracene
Concen: 0.27 ng/ul
RT: 26.22 min Scan# 1809
Delta R.T. -0.00 min
Lab File: BM010303.D
Acq: 30 May 2017 10:01

Instrument :
BNA_M
ClientSampleId :
SSTD0.208

Tot Ion:278 Resp: 2238

Ion	Ratio	Lower	Upper
278	100		
139	21.9	17.4	26.0
279	48.6	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.29 ng/ul
RT: 26.95 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BM010303.D
Acq: 30 May 2017 10:01

Tgt Ion:276 Resp: 2481

Ion	Ratio	Lower	Upper
276	100		
277	33.7	21.8	32.8#
138	25.8	20.5	30.7

