

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010306.D
 Acq On : 30 May 2017 11:49
 Operator : SJ/MA
 Sample : SSTD1.611
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD1.611

Quant Time: May 30 13:00:32 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	920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.73	136	2612	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	1402	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	3195	0.40	ng/ul	0.00
16) Chrysene-d12	21.46	240	3204	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	3475	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.31	152	6168	1.56	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	14074	1.49	ng/ul	0.00

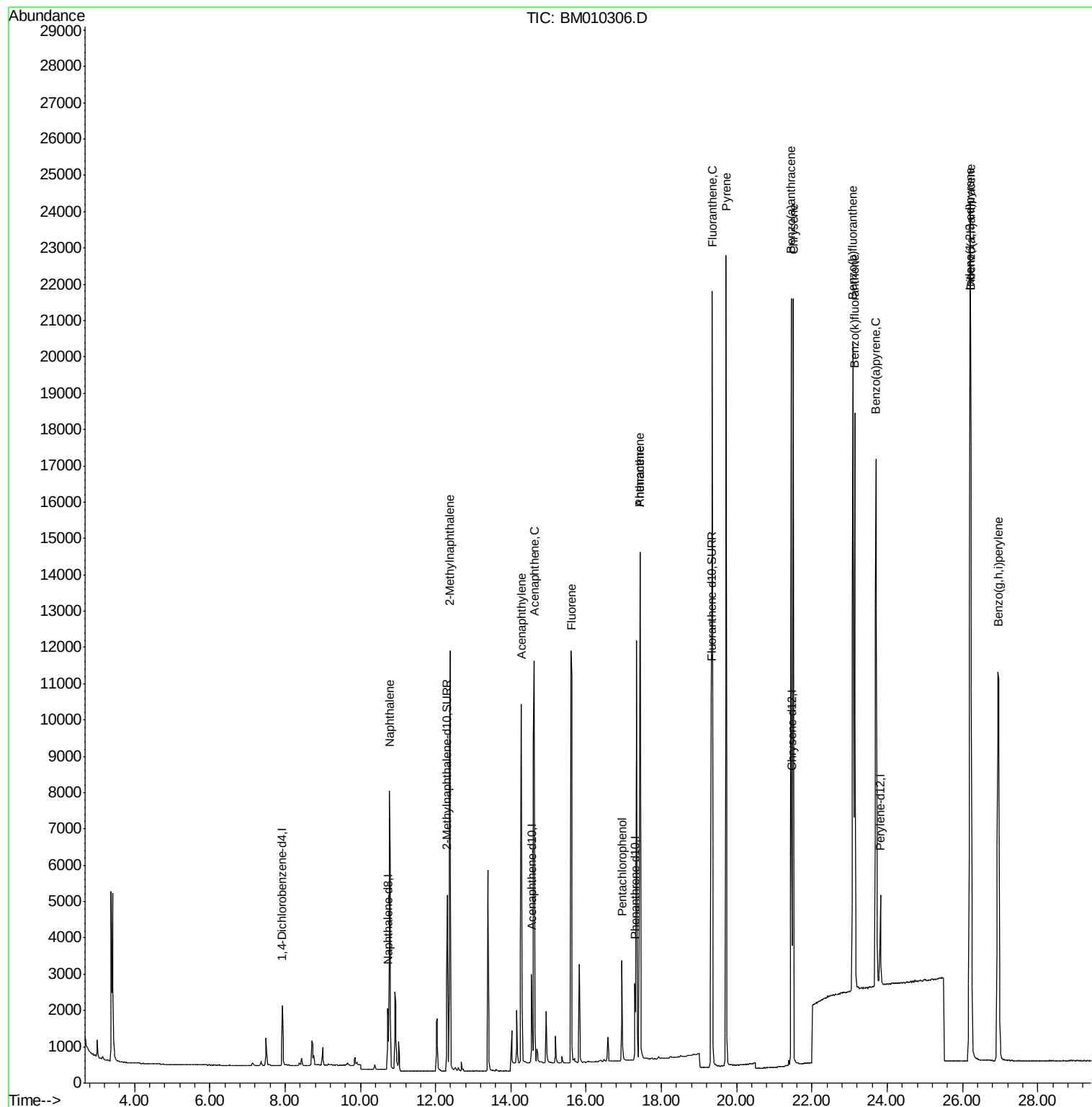
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.78	128	10868	1.56	ng/ul#	95
5) 2-Methylnaphthalene	12.38	142	8031	1.58	ng/ul	100
7) Acenaphthylene	14.28	152	11405	1.67	ng/ul	96
8) Acenaphthene	14.62	153	8479	1.56	ng/ul	90
9) Fluorene	15.62	166	10282	1.59	ng/ul	92
11) Pentachlorophenol	16.95	266	1990	1.61	ng/ul	96
12) Phenanthrene	17.43	178	15598	1.63	ng/ul	94
13) Anthracene	17.43	178	15931	1.68	ng/ul	93
15) Fluoranthene	19.36	202	20941	1.66	ng/ul	92
17) Pyrene	19.72	202	21546	2.02	ng/ul	96
18) Benzo(a)anthracene	21.44	228	21113	1.97	ng/ul	94
19) Chrysene	21.51	228	20214	2.01	ng/ul	98
21) Benzo(b)fluoranthene	23.09	252	23730	1.98	ng/ul	83
22) Benzo(k)fluoranthene	23.14	252	23706	2.06	ng/ul#	86
23) Benzo(a)pyrene	23.70	252	23240	2.01	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.21	276	30725	2.31	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.22	278	24788	2.27	ng/ul#	84
26) Benzo(g,h,i)perylene	26.95	276	26308	2.32	ng/ul#	87

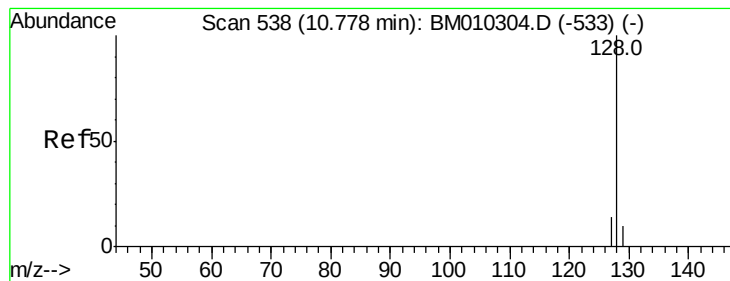
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.56 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

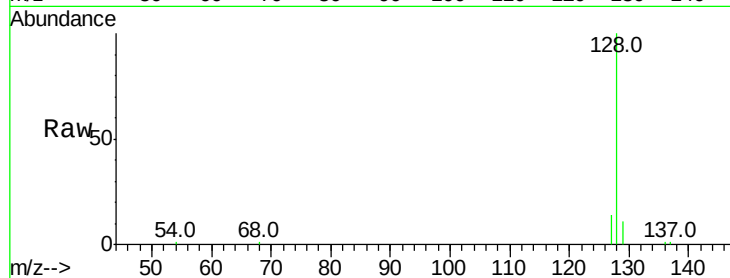
Tot Ion:128 Resp: 10868

Ion Ratio Lower Upper

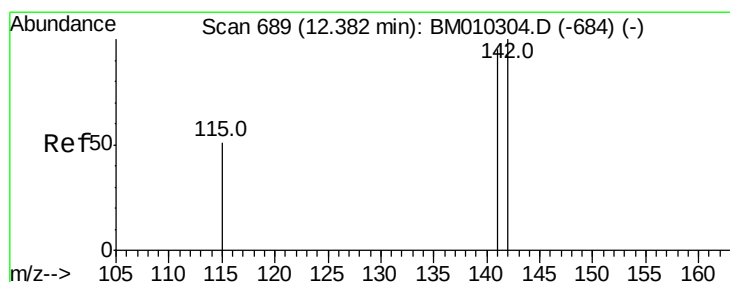
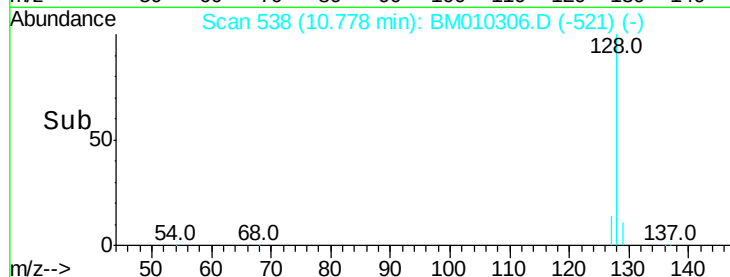
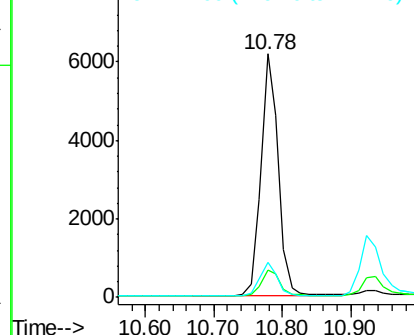
128 100

129 11.3 11.3 16.9#

127 14.5 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: 1.58 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM010306.D

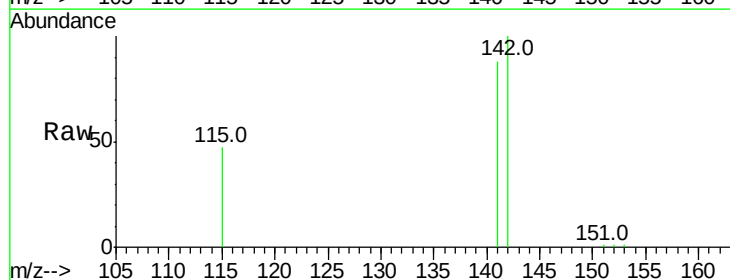
Acq: 30 May 2017 11:49

Tgt Ion:142 Resp: 8031

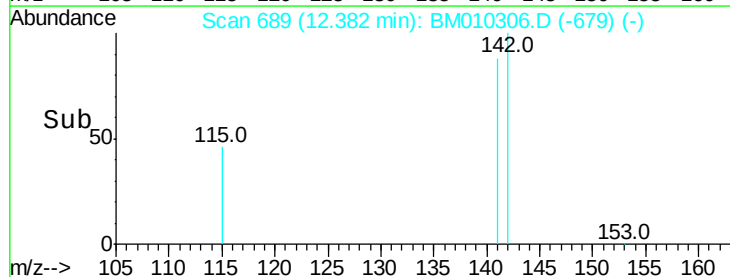
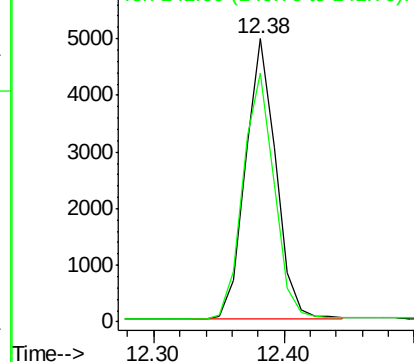
Ion Ratio Lower Upper

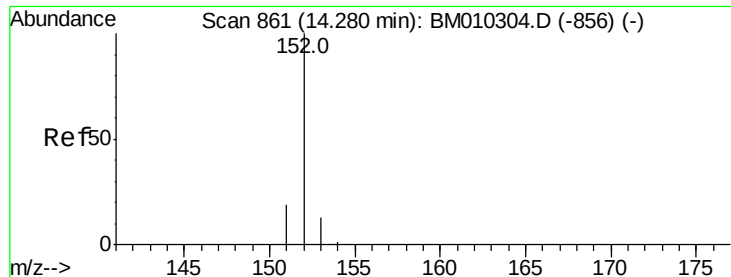
142 100

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





#7

Acenaphthylene

Concen: 1.67 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

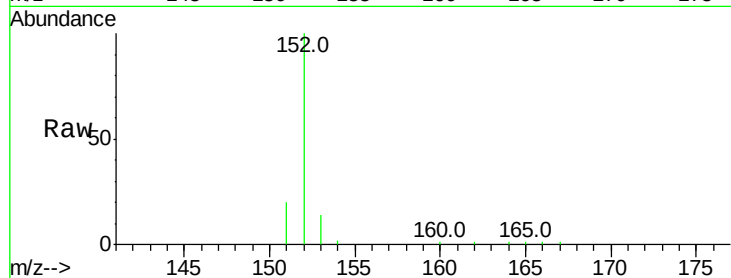
Tot Ion:152 Resp: 11405

Ion Ratio Lower Upper

152 100

151 19.5 17.1 25.7

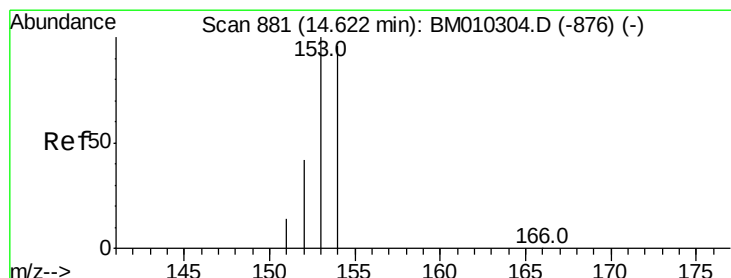
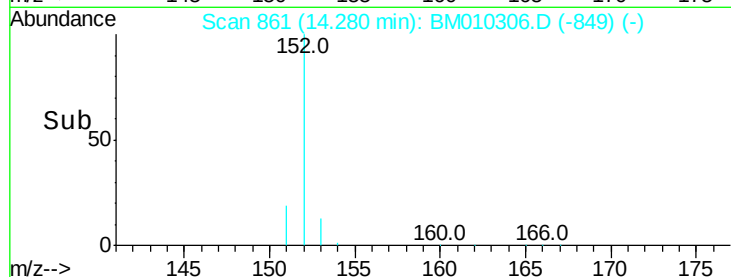
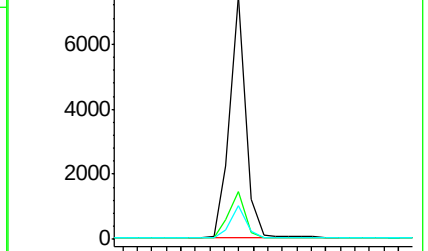
153 13.9 12.8 19.2



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: 1.56 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

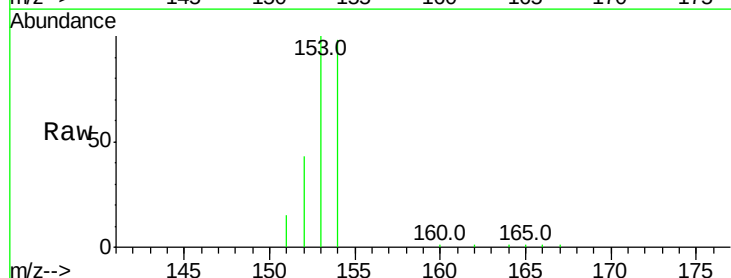
Tgt Ion:153 Resp: 8479

Ion Ratio Lower Upper

153 100

152 43.4 40.3 60.5

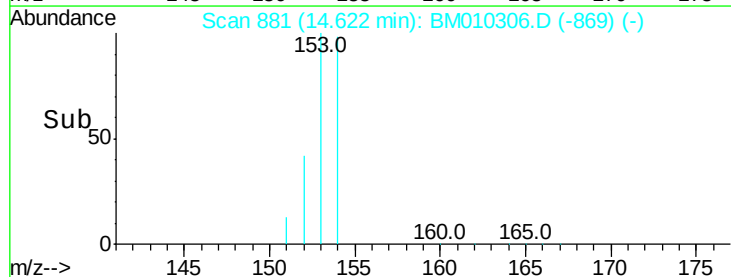
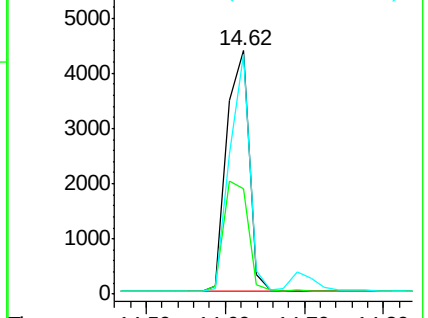
154 98.2 71.4 107.2

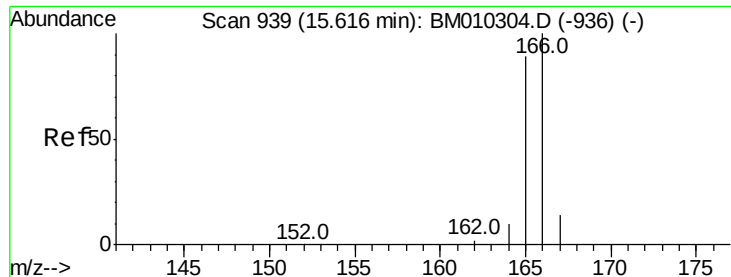


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.59 ng/ul

RT: 15.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

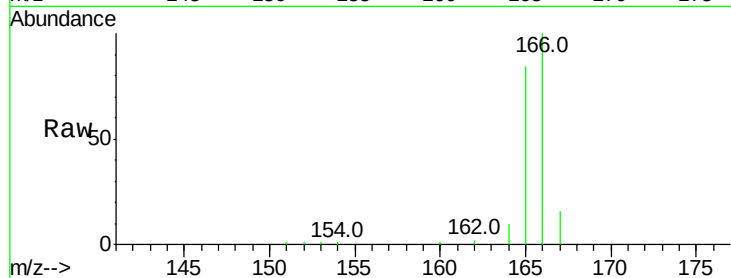
Tot Ion:166 Resp: 10282

Ion Ratio Lower Upper

166 100

165 84.4 73.4 110.2

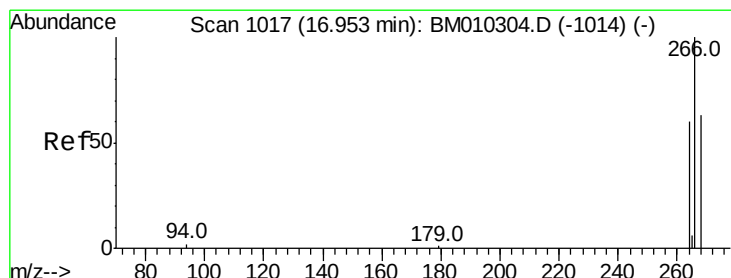
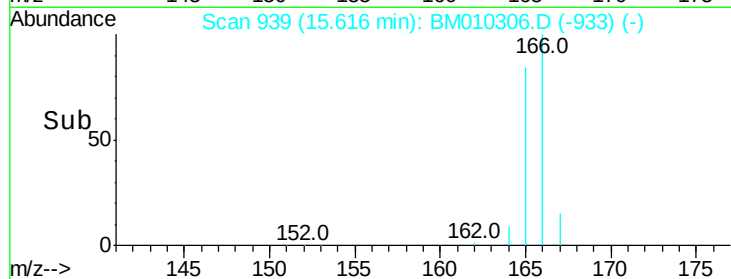
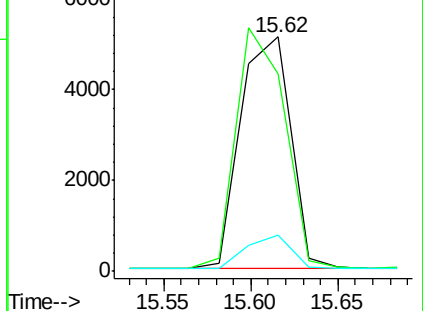
167 15.6 14.6 22.0



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: 1.61 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

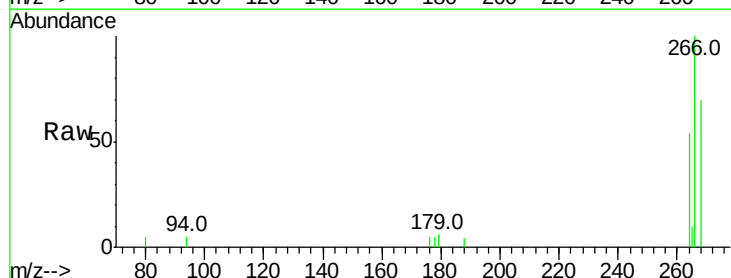
Tgt Ion:266 Resp: 1990

Ion Ratio Lower Upper

266 100

264 63.1 47.9 71.9

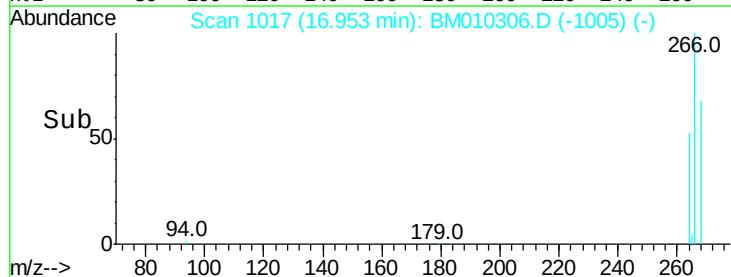
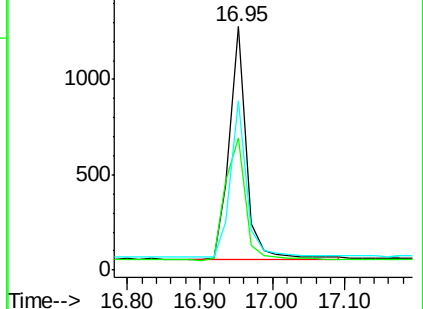
268 65.0 49.8 74.8

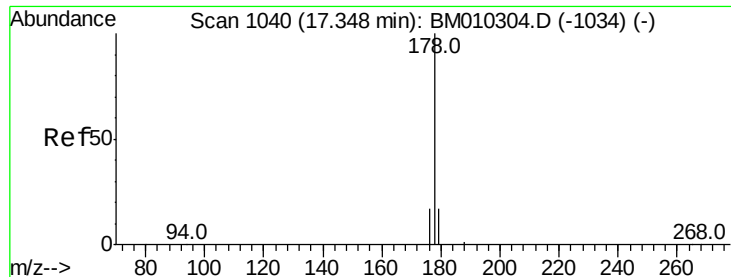


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.63 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. 0.09 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

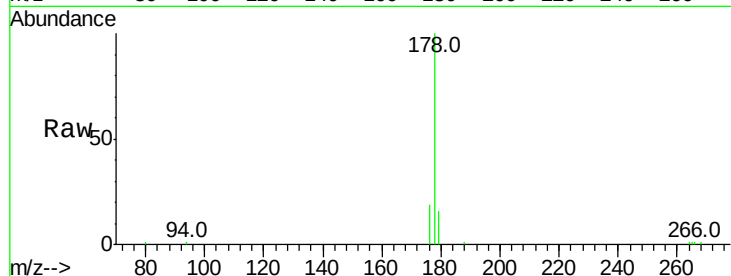
Tot Ion:178 Resp: 15598

Ion Ratio Lower Upper

178 100

176 18.7 18.4 27.6

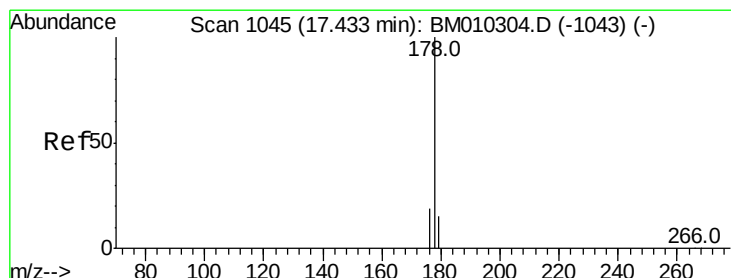
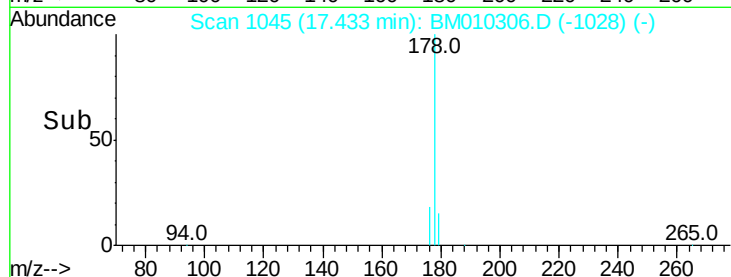
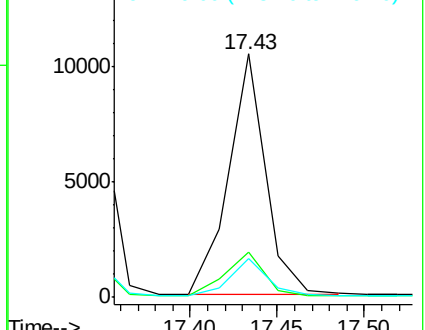
179 16.1 13.6 20.4



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: 1.68 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

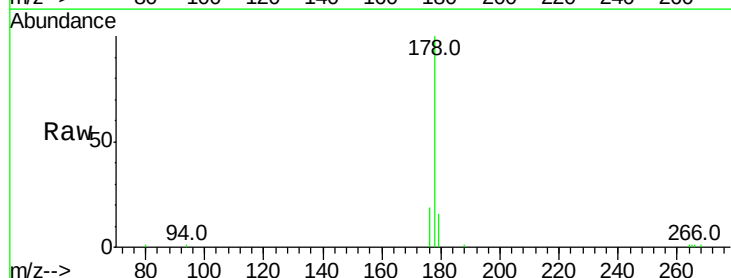
Tgt Ion:178 Resp: 15931

Ion Ratio Lower Upper

178 100

176 18.7 18.1 27.1

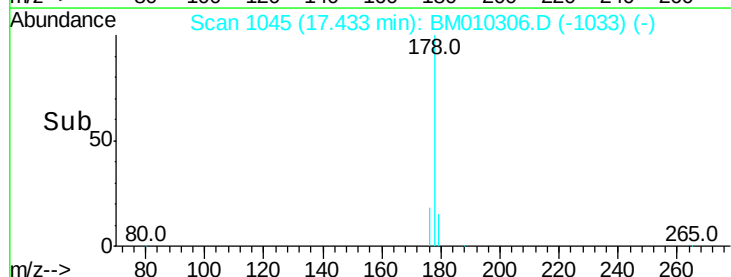
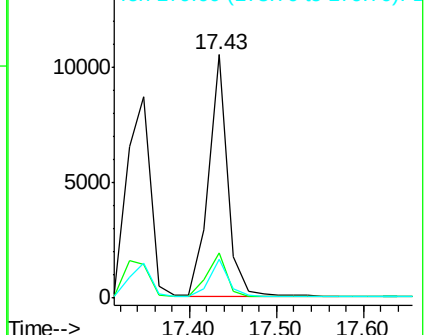
179 16.1 14.7 22.1

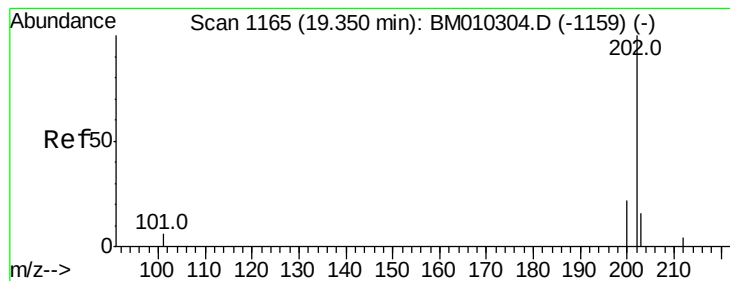


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.66 ng/ul

RT: 19.36 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

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ClientSampleId :

SSTD1.611

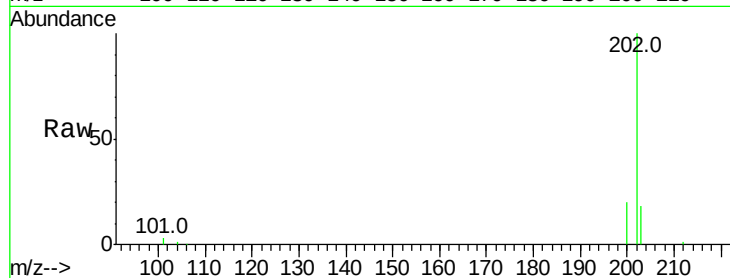
Tot Ion:202 Resp: 20941

Ion Ratio Lower Upper

202 100

101 3.4 0.0 30.3

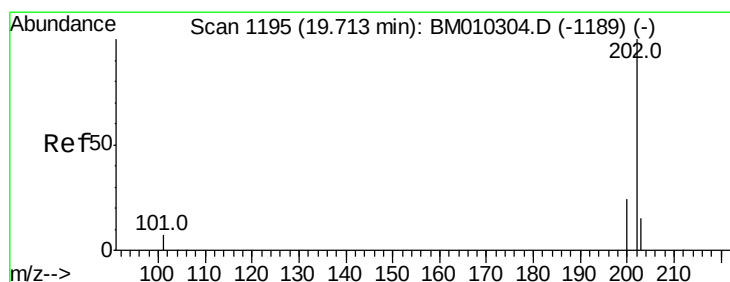
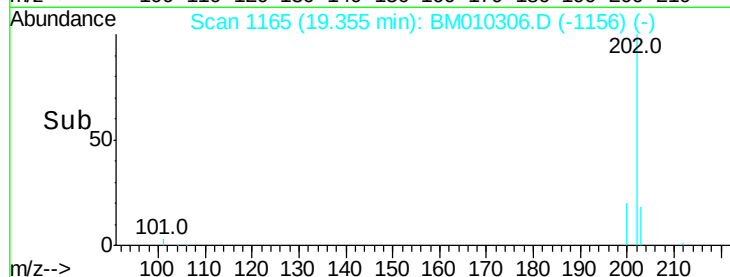
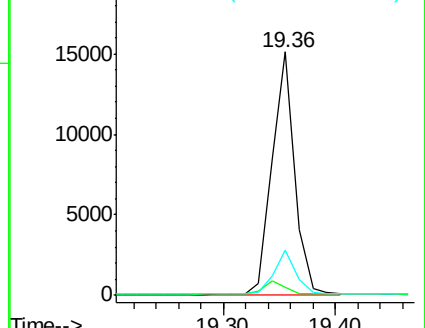
203 18.4 0.0 39.5



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: 2.02 ng/ul

RT: 19.72 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

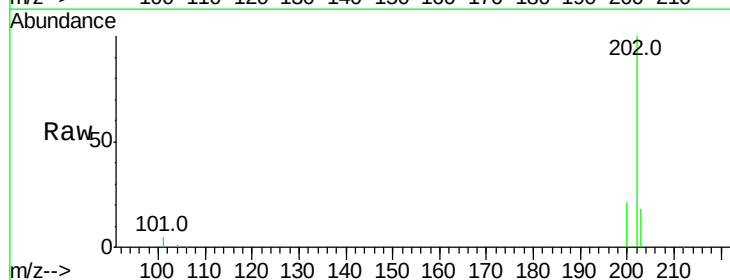
Tgt Ion:202 Resp: 21546

Ion Ratio Lower Upper

202 100

200 20.8 18.2 27.4

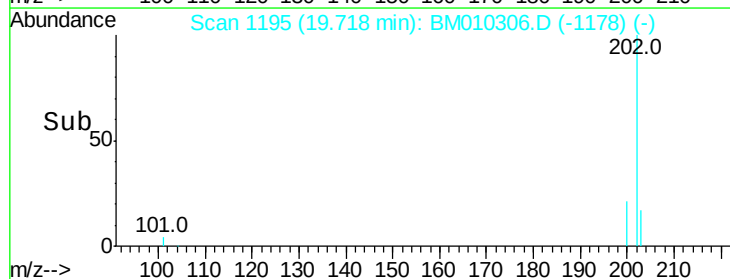
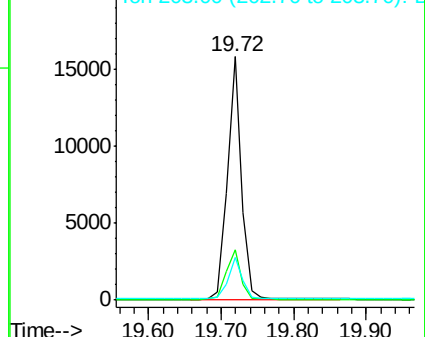
203 17.5 15.6 23.4

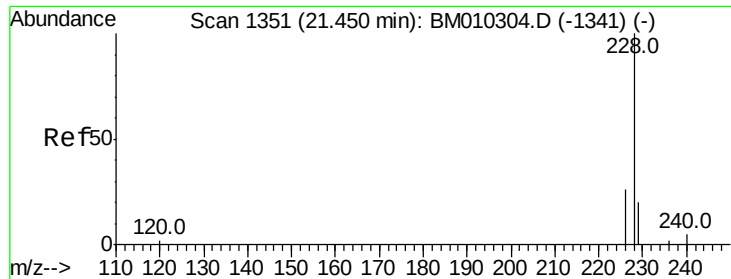


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.97 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

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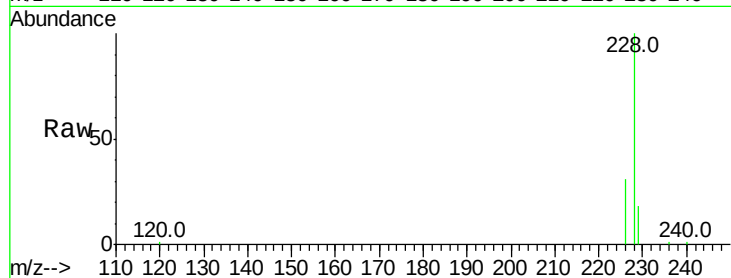
Tot Ion:228 Resp: 21113

Ion Ratio Lower Upper

228 100

226 31.0 22.8 34.2

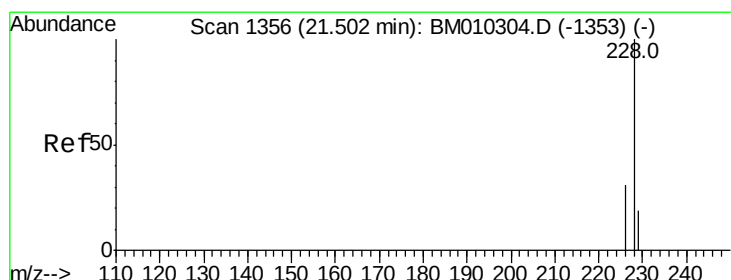
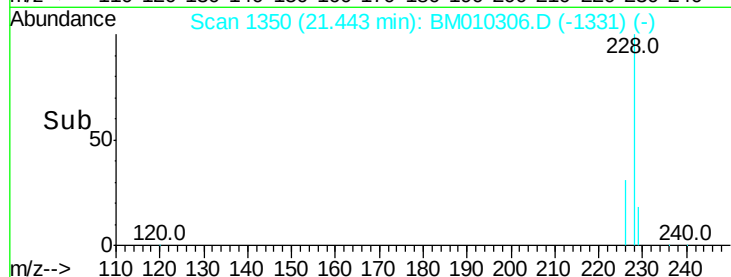
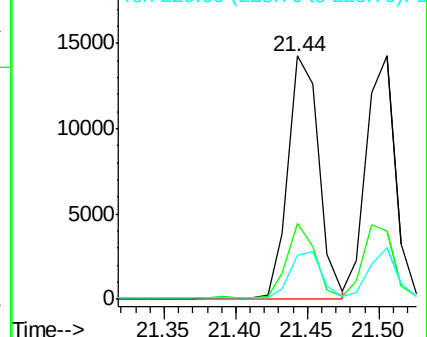
229 17.9 17.0 25.6



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: 2.01 ng/ul

RT: 21.51 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

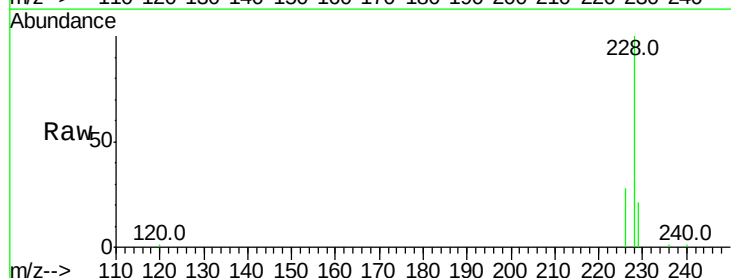
Tgt Ion:228 Resp: 20214

Ion Ratio Lower Upper

228 100

226 27.9 23.4 35.0

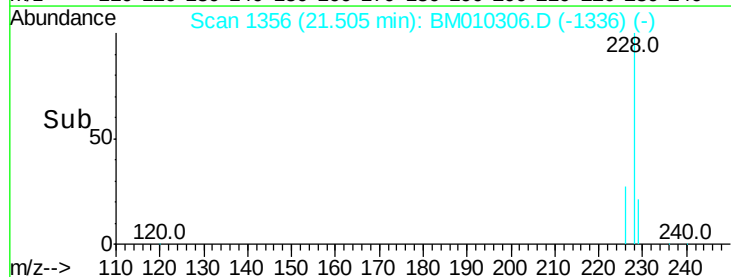
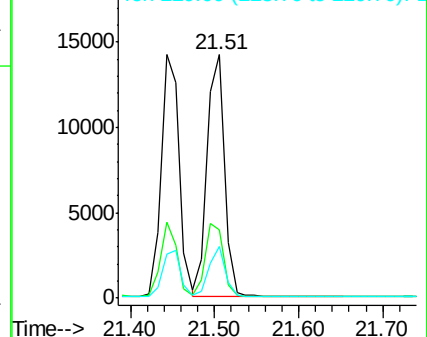
229 21.2 17.7 26.5

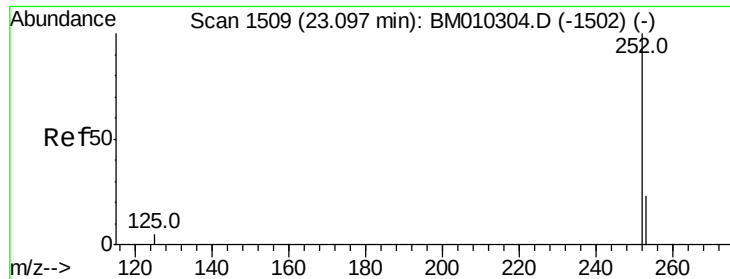


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.98 ng/ul

RT: 23.09 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

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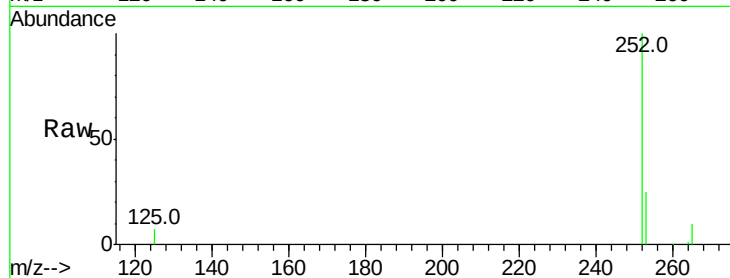
Tot Ion:252 Resp: 23730

Ion Ratio Lower Upper

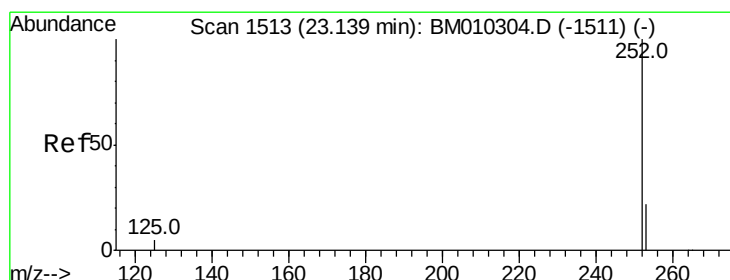
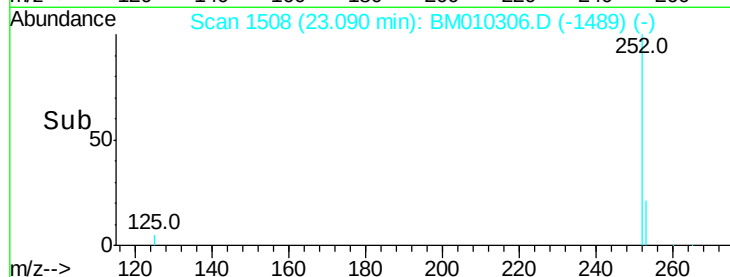
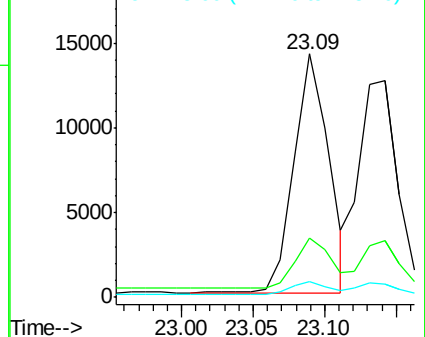
252 100

253 24.6 0.0 64.2

125 6.6 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: 2.06 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. 0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

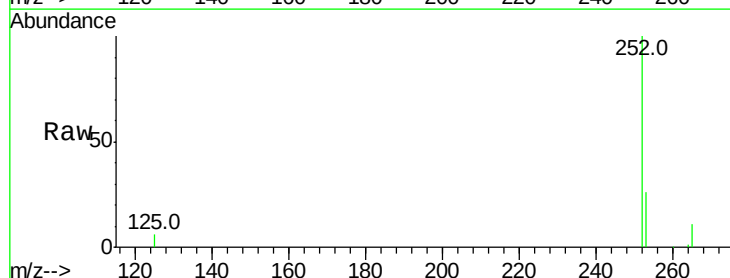
Tgt Ion:252 Resp: 23706

Ion Ratio Lower Upper

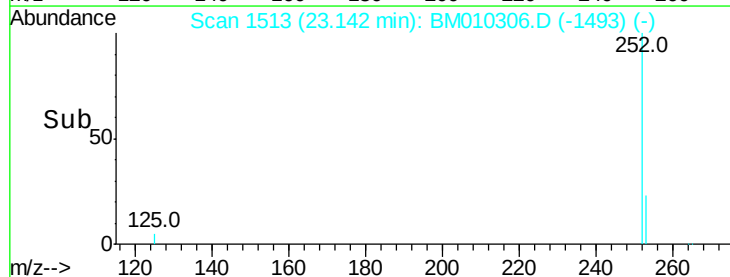
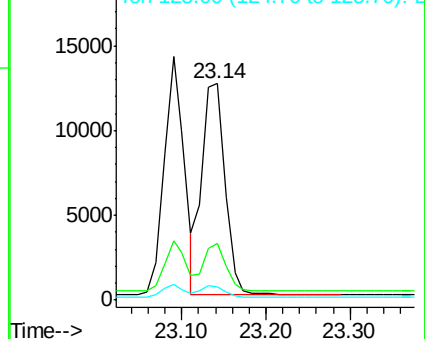
252 100

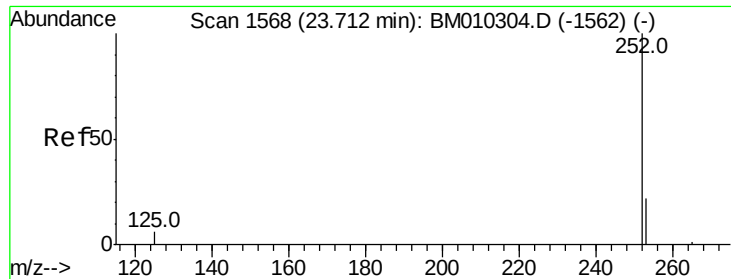
253 26.3 24.5 36.7

125 6.3 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: 2.01 ng/ul

RT: 23.70 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

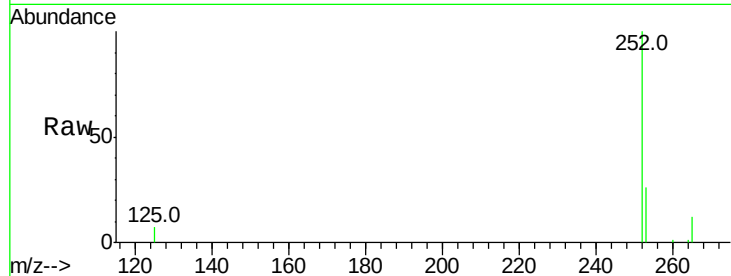
Tot Ion:252 Resp: 23240

Ion Ratio Lower Upper

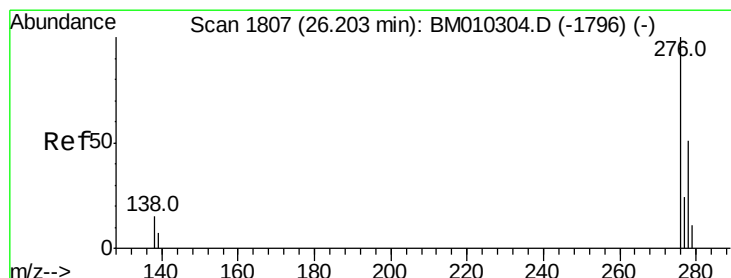
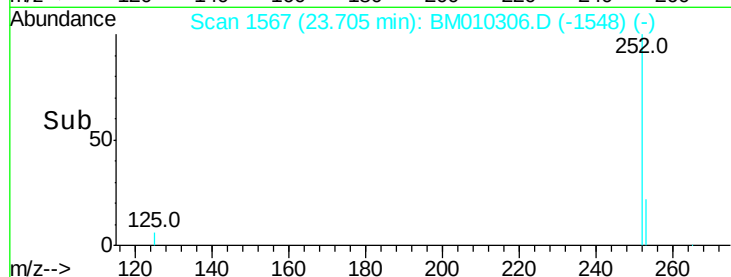
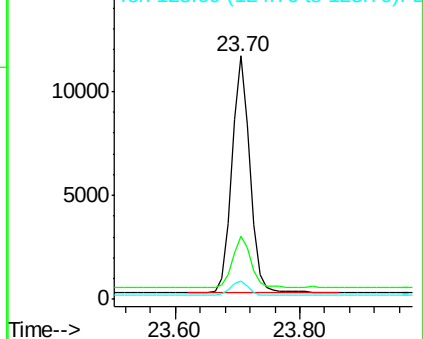
252 100

253 25.9 28.5 42.7#

125 7.5 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: 2.31 ng/ul

RT: 26.21 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

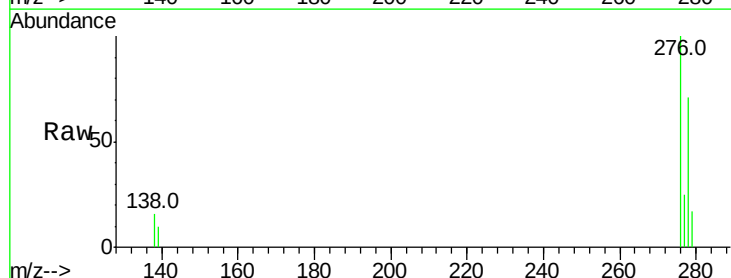
Tgt Ion:276 Resp: 30725

Ion Ratio Lower Upper

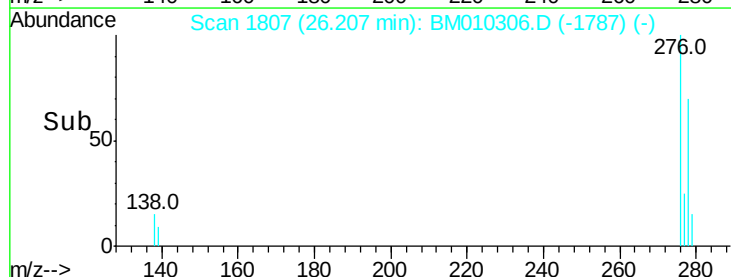
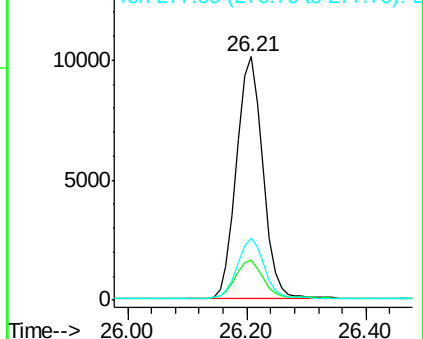
276 100

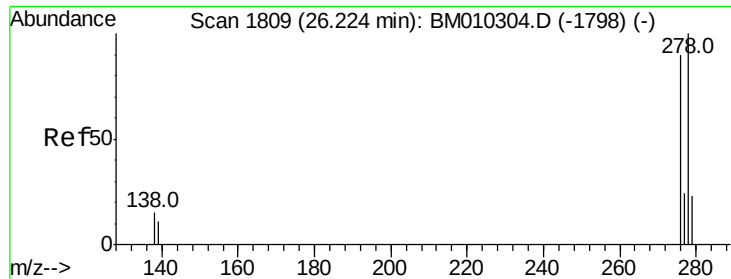
138 15.9 19.1 28.7#

277 24.7 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: 2.27 ng/ul

RT: 26.22 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Instrument :

BNA_M

ClientSampleId :

SSTD1.611

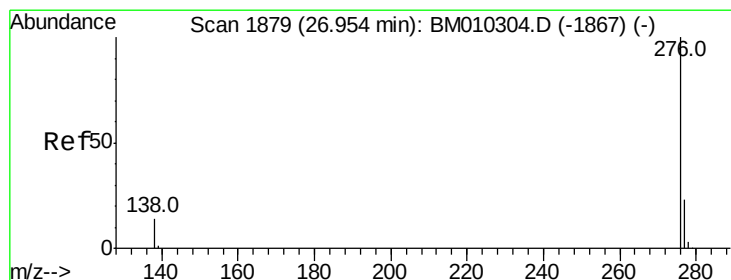
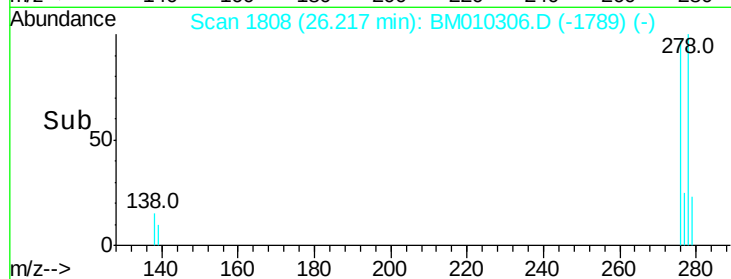
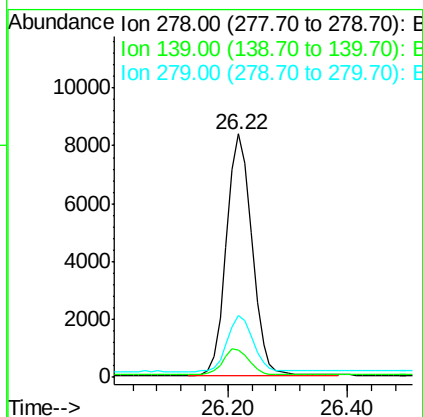
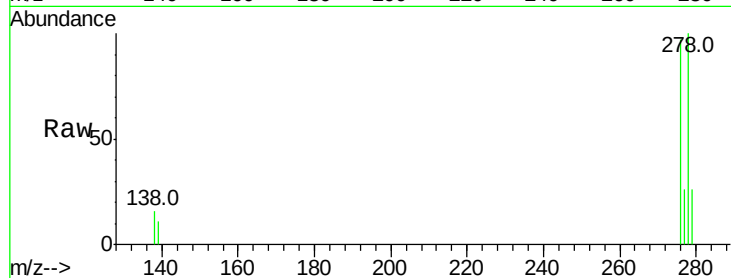
Tot Ion:278 Resp: 24788

Ion Ratio Lower Upper

278 100

139 11.5 17.4 26.0#

279 25.5 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 2.32 ng/ul

RT: 26.95 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM010306.D

Acq: 30 May 2017 11:49

Tgt Ion:276 Resp: 26308

Ion Ratio Lower Upper

276 100

277 24.4 21.8 32.8

138 14.5 20.5 30.7#

