

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010305.D
 Acq On : 30 May 2017 11:13
 Operator : SJ/MA
 Sample : SSTD0.810
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.810

Quant Time: May 30 13:14:24 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 13:11:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	743	0.40	ng/ul	0.00
2) Naphthalene-d8	10.73	136	2153	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	1172	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	2677	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	2734	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	2953	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	2538	0.81	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	5942	0.85	ng/ul	0.00

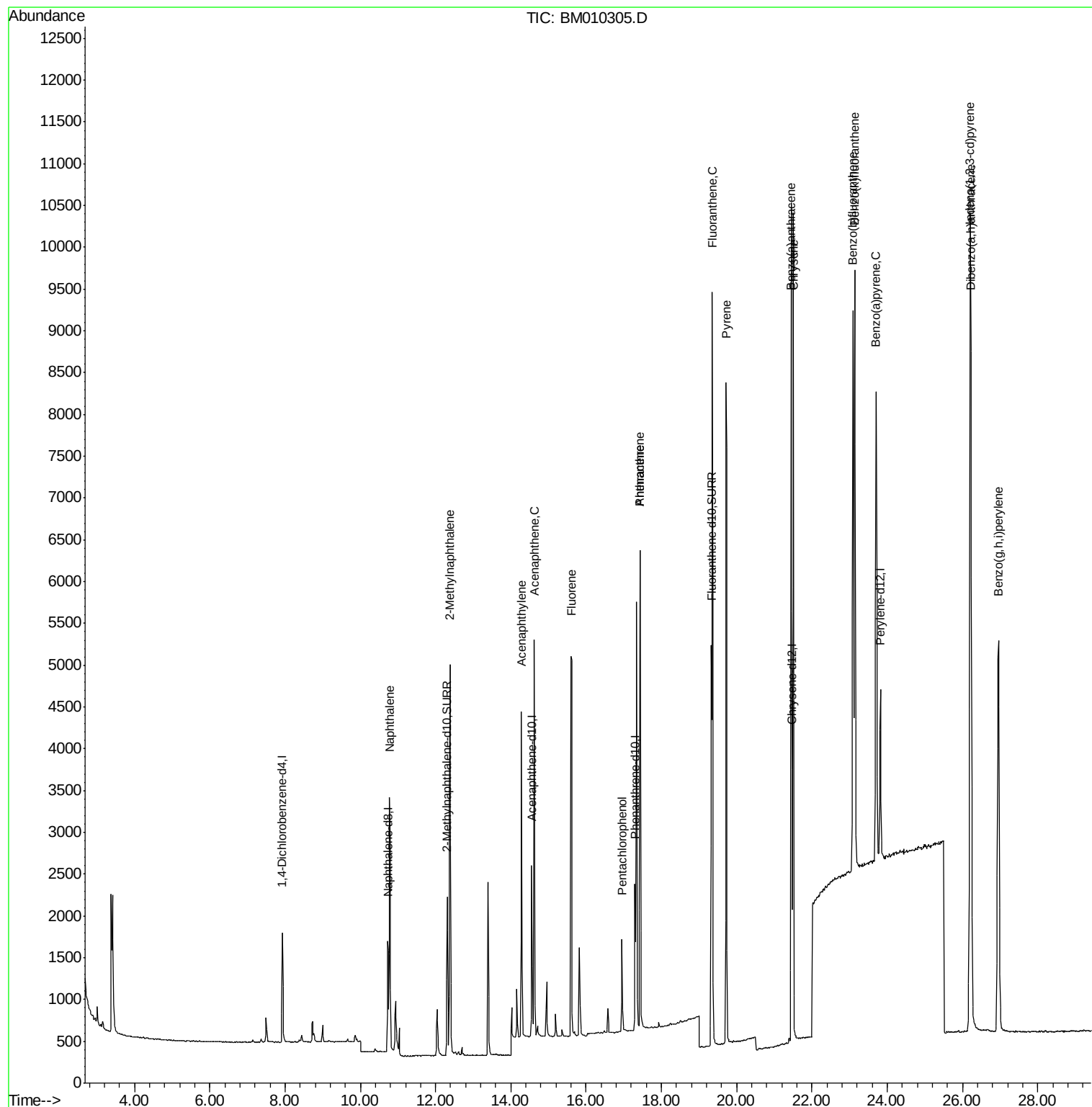
Target Compounds				Ovalue		
3) Naphthalene	10.78	128	4527	0.80	ng/ul	97
5) 2-Methylnaphthalene	12.38	142	3273	0.82	ng/ul	99
7) Acenaphthylene	14.28	152	4645	0.79	ng/ul	98
8) Acenaphthene	14.62	153	3541	0.80	ng/ul	93
9) Fluorene	15.62	166	4266	0.81	ng/ul	95
11) Pentachlorophenol	16.95	266	828	0.81	ng/ul	97
12) Phenanthrene	17.43	178	6462	0.75	ng/ul	96
13) Anthracene	17.43	178	6636	0.83	ng/ul	95
15) Fluoranthene	19.35	202	8858	0.84	ng/ul	92
17) Pyrene	19.71	202	9078	0.77	ng/ul	95
18) Benzo(a)anthracene	21.45	228	8865	0.80	ng/ul	98
19) Chrysene	21.50	228	8655	0.81	ng/ul	97
21) Benzo(b)fluoranthene	23.09	252	10640	0.83	ng/ul	89
22) Benzo(k)fluoranthene	23.14	252	9554	0.77	ng/ul#	91
23) Benzo(a)pyrene	23.70	252	9902	0.81	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.20	276	13024	0.81	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.21	278	10365	0.81	ng/ul#	89
26) Benzo(g,h,i)perylene	26.95	276	11125	0.80	ng/ul#	89

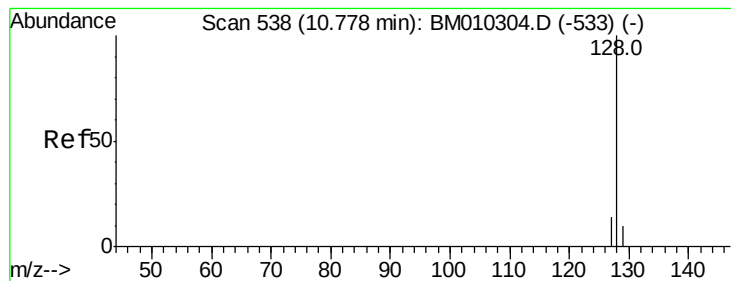
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.80 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

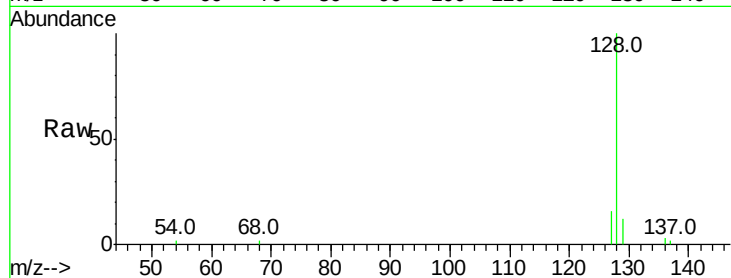
Tot Ion:128 Resp: 4527

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

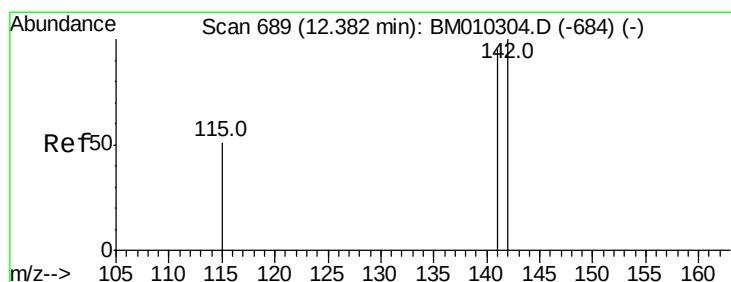
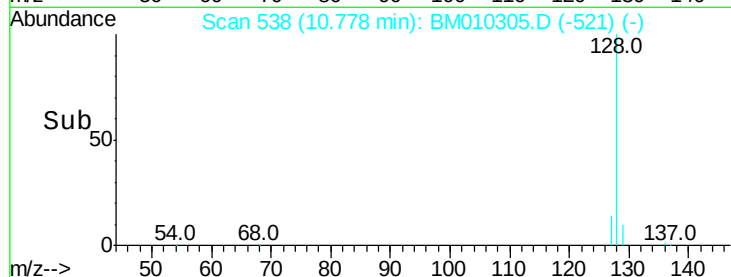
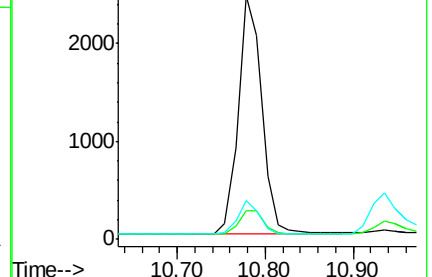
127 15.9 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 0.82 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM010305.D

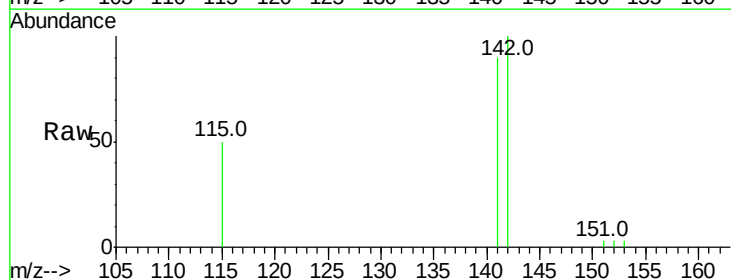
Acq: 30 May 2017 11:13

Tgt Ion:142 Resp: 3273

Ion Ratio Lower Upper

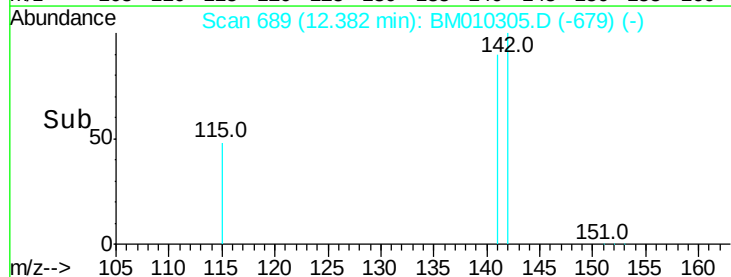
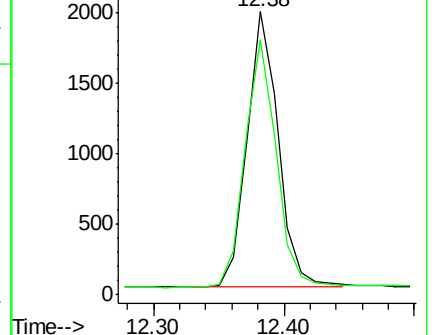
142 100

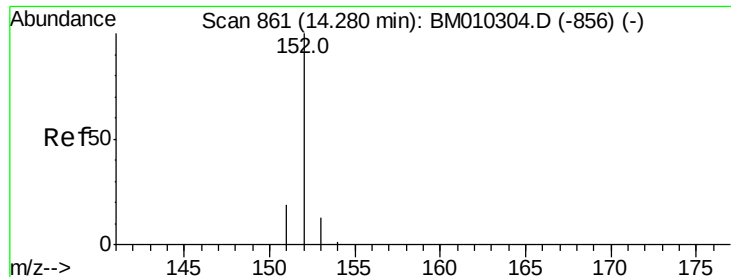
141 90.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.79 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

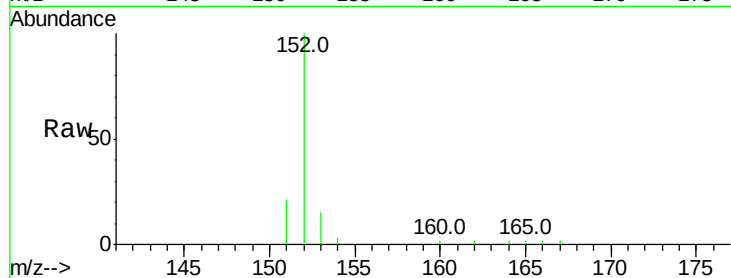
Tot Ion:152 Resp: 4645

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

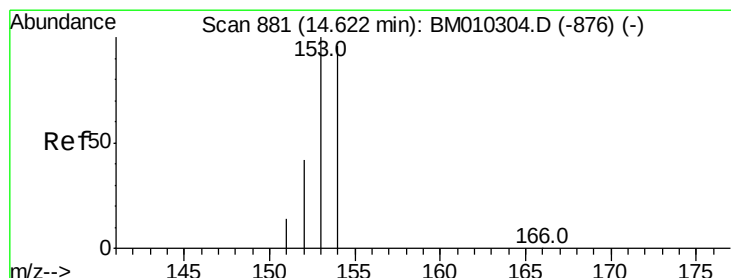
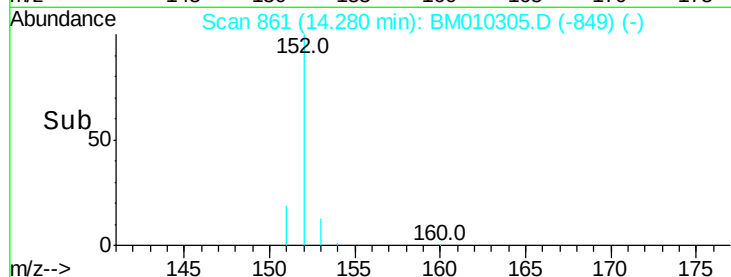
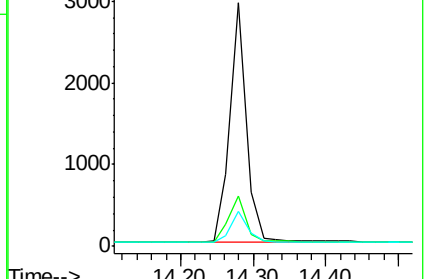
153 14.6 12.8 19.2



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: 0.80 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

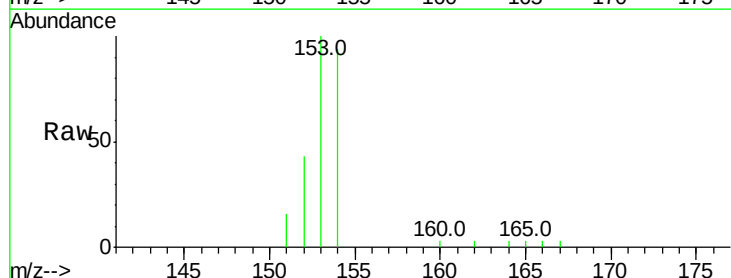
Tgt Ion:153 Resp: 3541

Ion Ratio Lower Upper

153 100

152 43.4 40.3 60.5

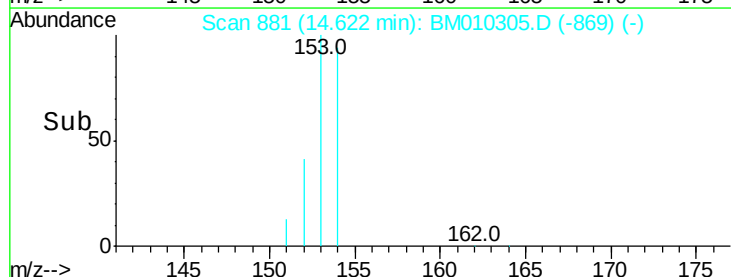
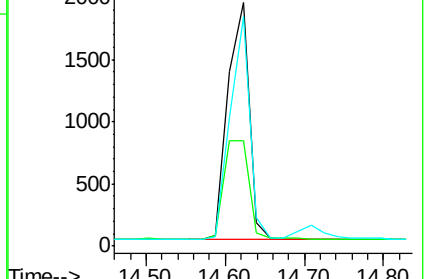
154 94.1 71.4 107.2

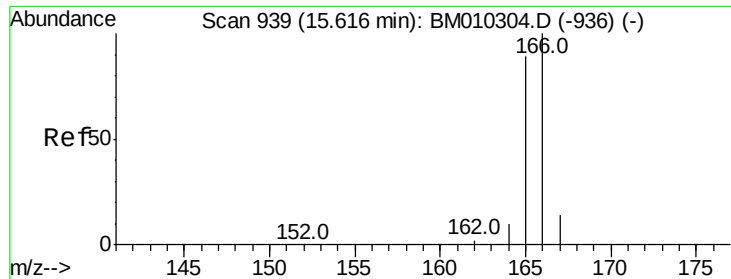


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

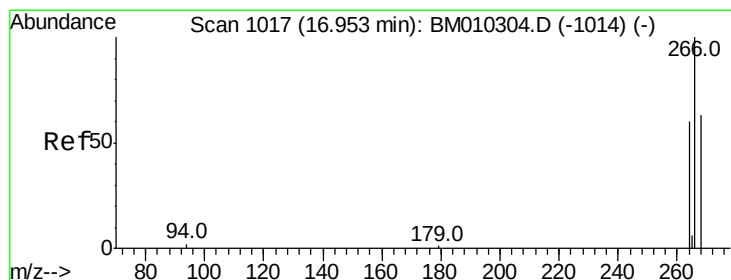
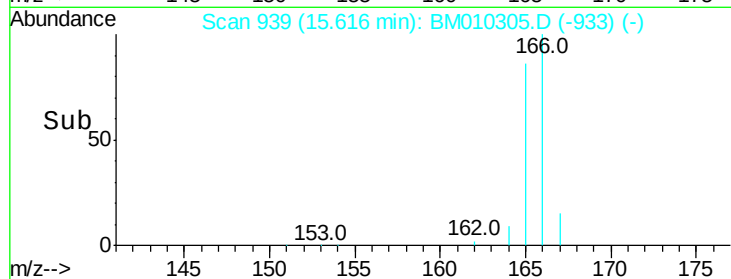
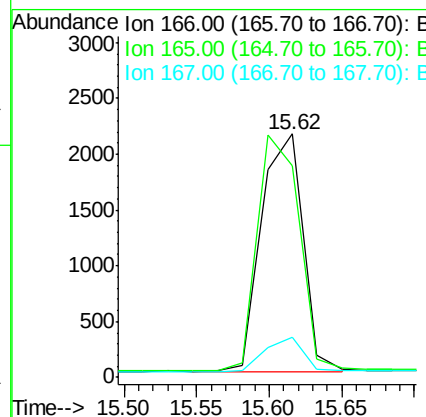
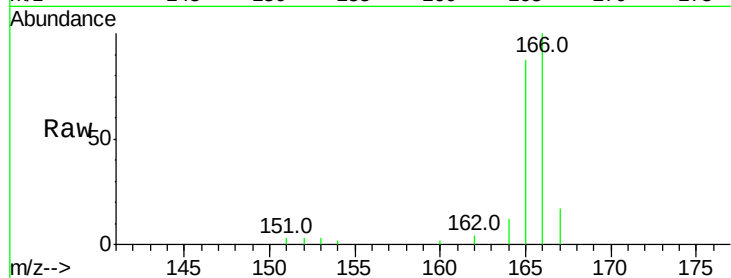




#9
Fluorene
 Concen: 0.81 ng/ul
 RT: 15.62 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BM010305.D
 Acq: 30 May 2017 11:13

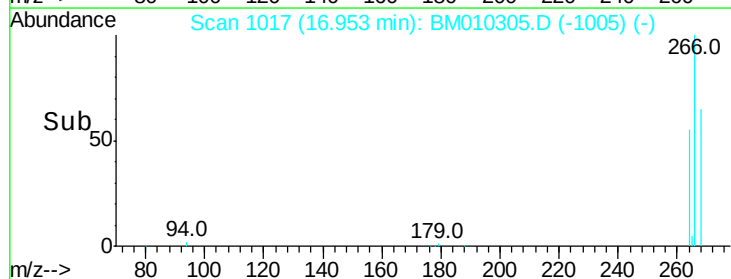
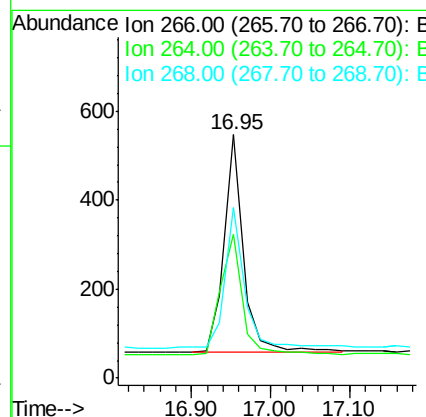
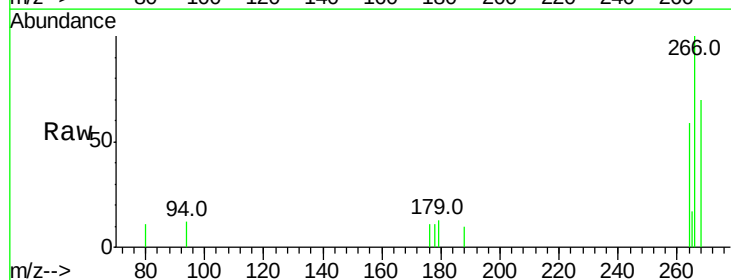
Instrument :
 BNA_M
 ClientSampleId :
 SST0.810

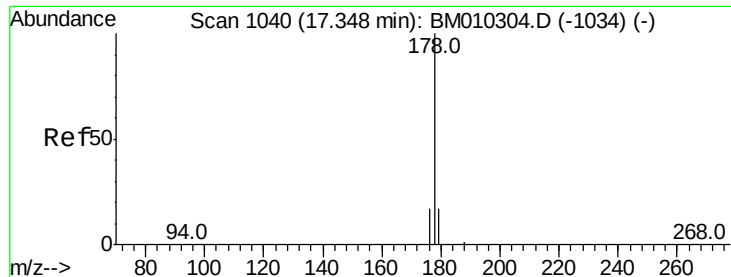
Tot Ion:166 Resp: 4266
 Ion Ratio Lower Upper
 166 100
 165 86.9 73.4 110.2
 167 16.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.81 ng/ul
 RT: 16.95 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BM010305.D
 Acq: 30 May 2017 11:13

Tgt Ion:266 Resp: 828
 Ion Ratio Lower Upper
 266 100
 264 62.4 47.9 71.9
 268 65.0 49.8 74.8





#12

Phenanthrene

Concen: 0.75 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. 0.09 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

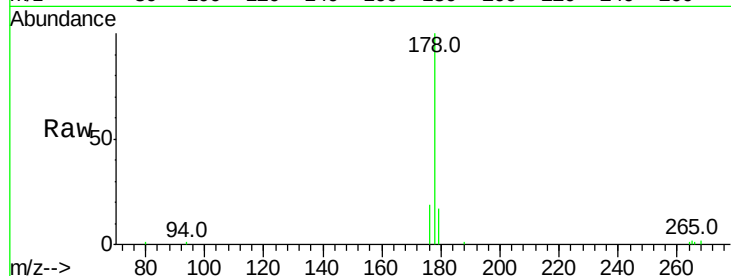
Tot Ion:178 Resp: 6462

Ion Ratio Lower Upper

178 100

176 19.4 18.4 27.6

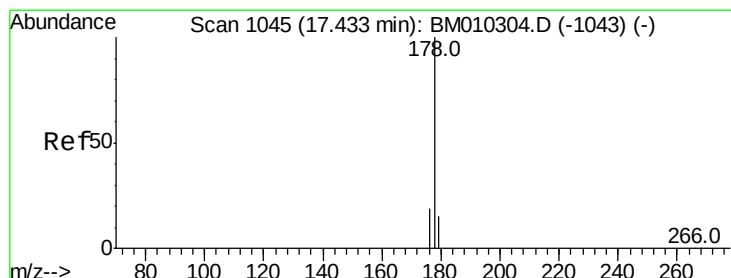
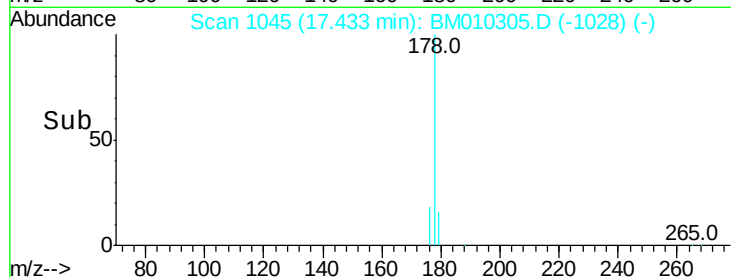
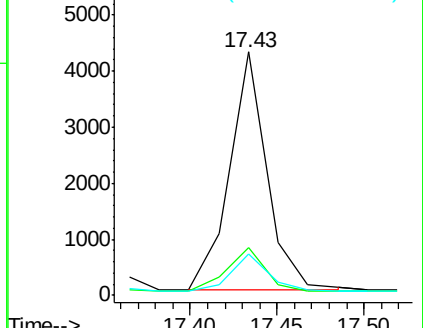
179 17.0 13.6 20.4



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: 0.83 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

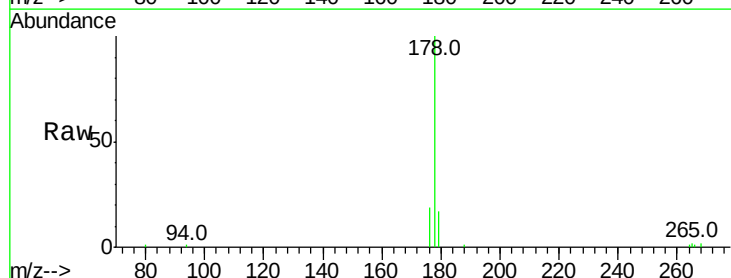
Tgt Ion:178 Resp: 6636

Ion Ratio Lower Upper

178 100

176 19.4 18.1 27.1

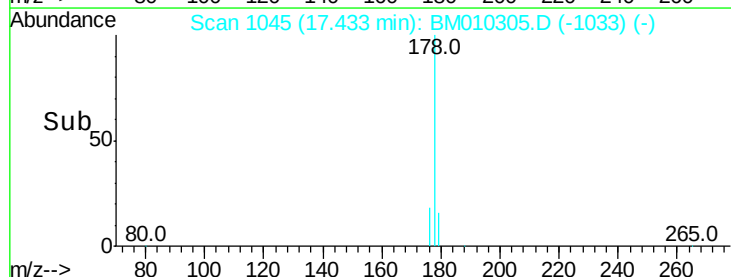
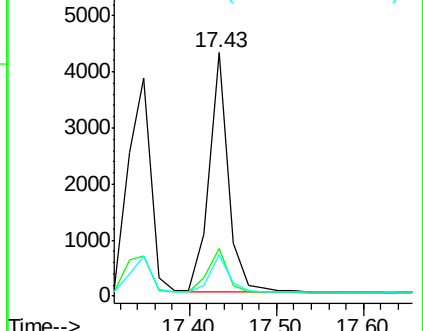
179 17.0 14.7 22.1

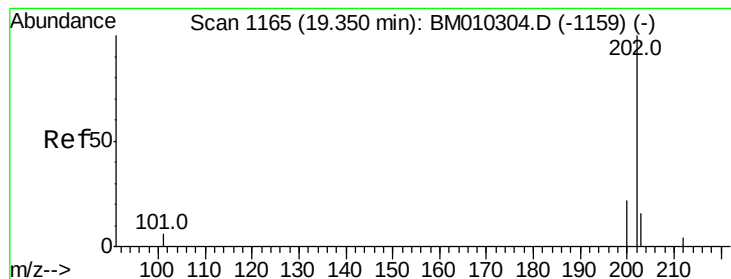


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.84 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

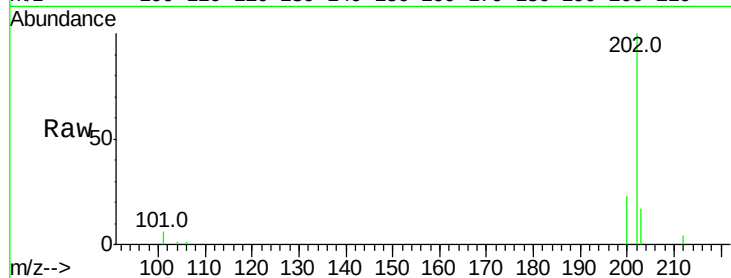
Tot Ion:202 Resp: 8858

Ion Ratio Lower Upper

202 100

101 5.9 0.0 30.3

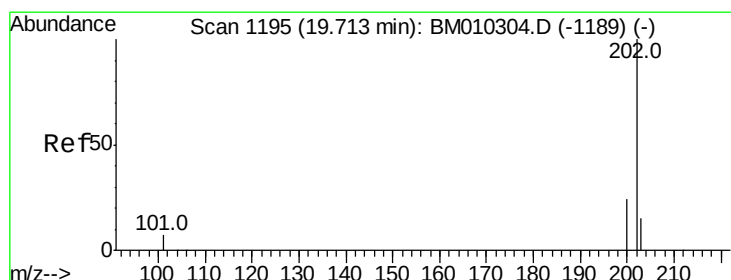
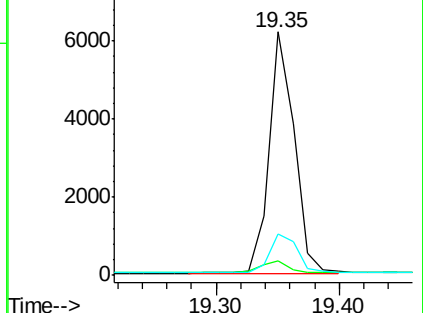
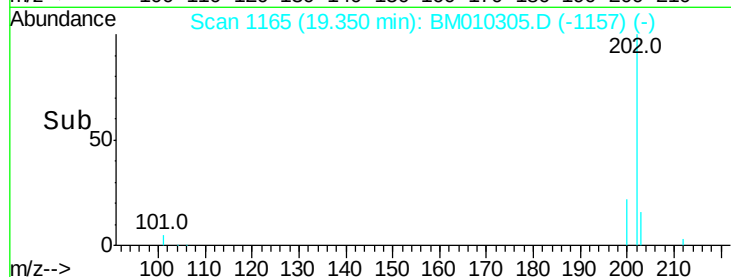
203 17.0 0.0 39.5



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: 0.77 ng/ul

RT: 19.71 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

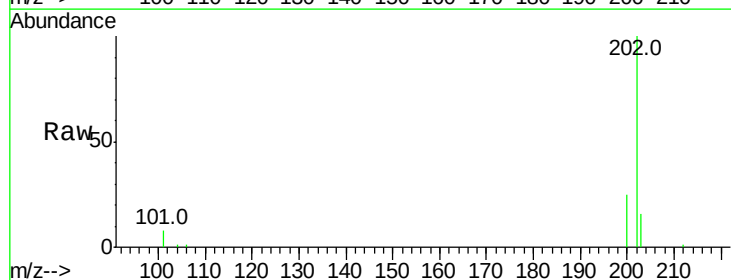
Tgt Ion:202 Resp: 9078

Ion Ratio Lower Upper

202 100

200 24.6 18.2 27.4

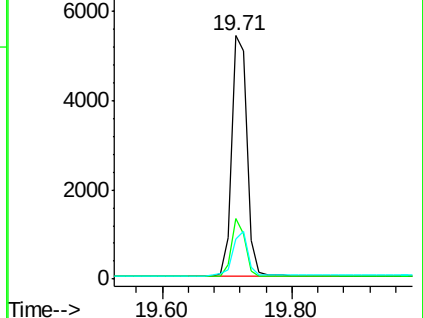
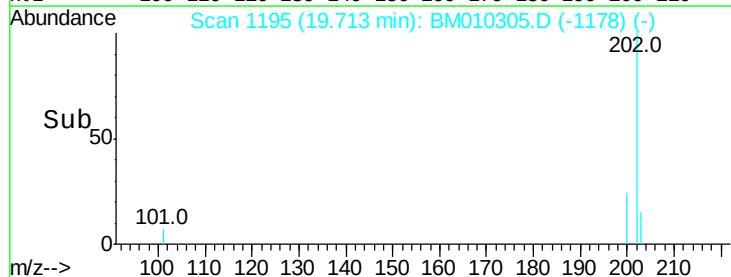
203 16.5 15.6 23.4

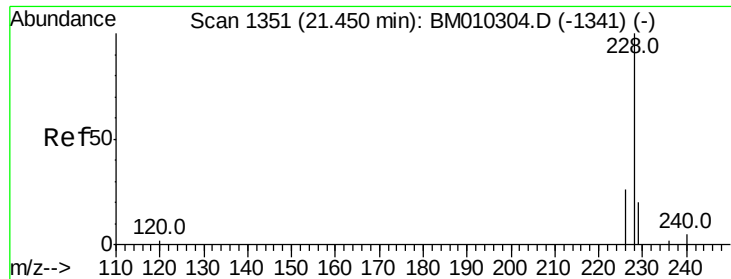


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.80 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

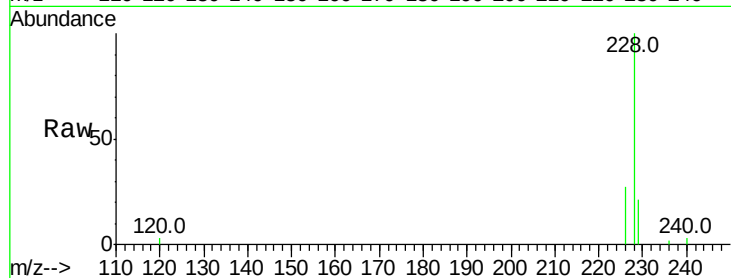
Tot Ion:228 Resp: 8865

Ion Ratio Lower Upper

228 100

226 26.8 22.8 34.2

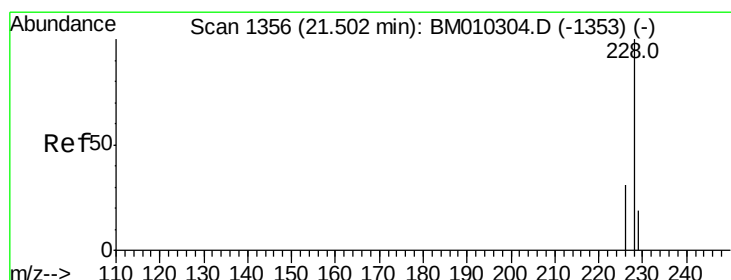
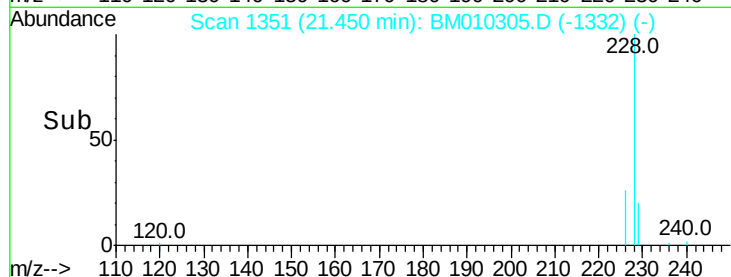
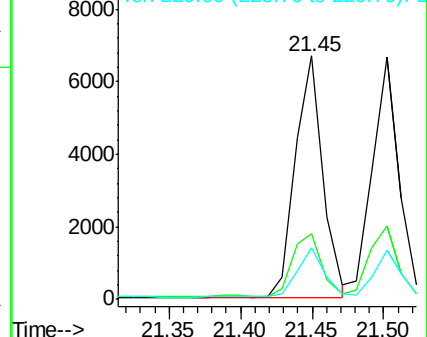
229 21.1 17.0 25.6



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: 0.81 ng/ul

RT: 21.50 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

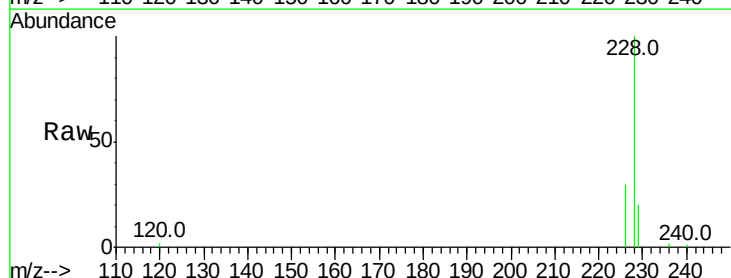
Tgt Ion:228 Resp: 8655

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

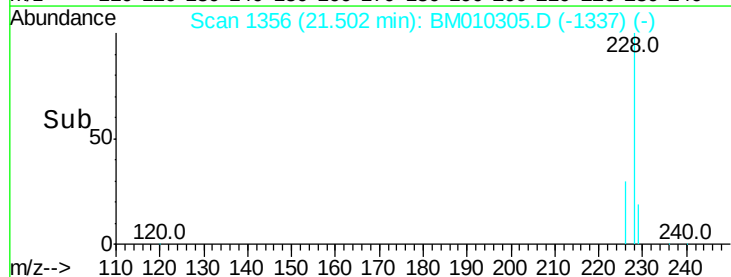
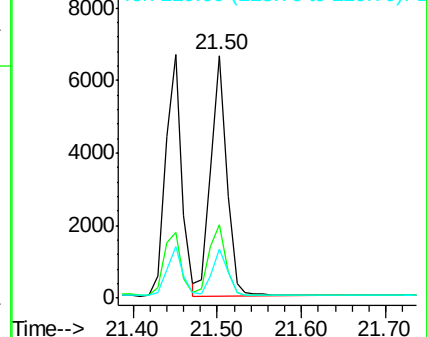
229 20.0 17.7 26.5

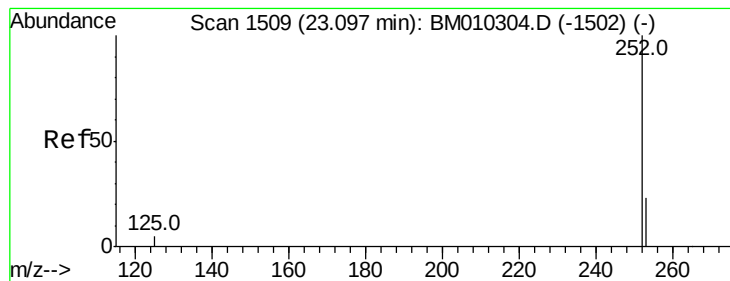


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.83 ng/ul

RT: 23.09 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

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ClientSampleId :

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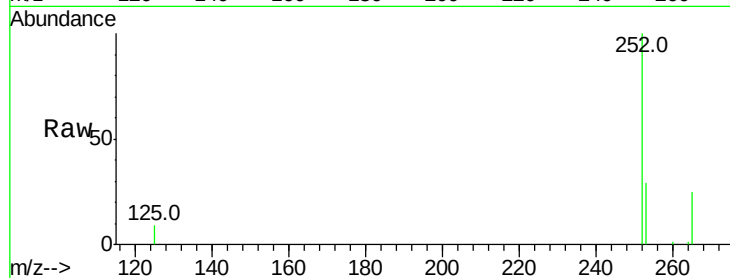
Tot Ion:252 Resp: 10640

Ion Ratio Lower Upper

252 100

253 29.2 0.0 64.2

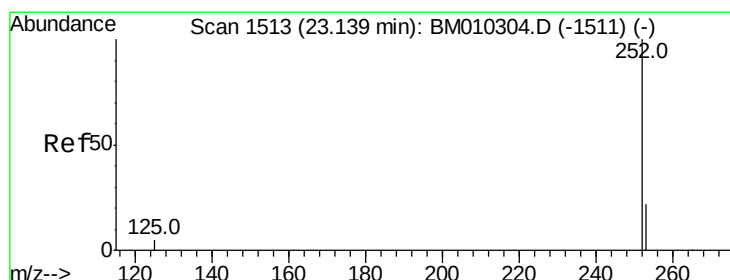
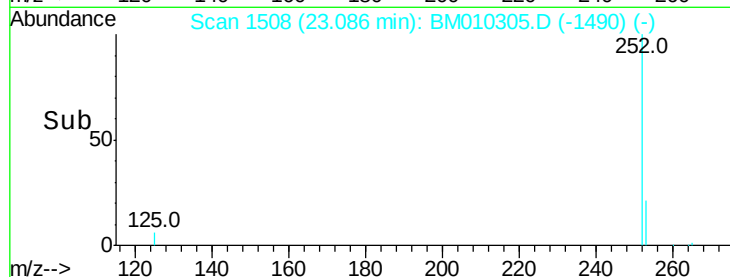
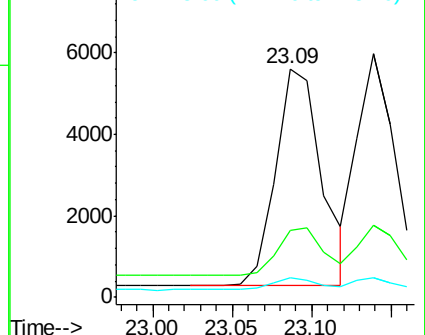
125 8.6 0.0 35.0



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: 0.77 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

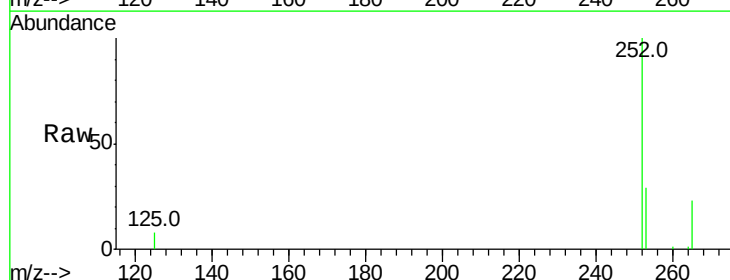
Tgt Ion:252 Resp: 9554

Ion Ratio Lower Upper

252 100

253 29.4 24.5 36.7

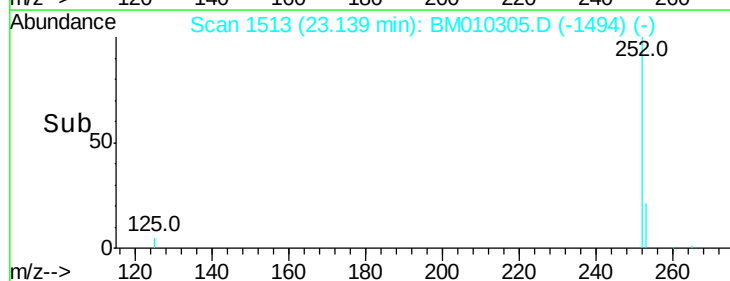
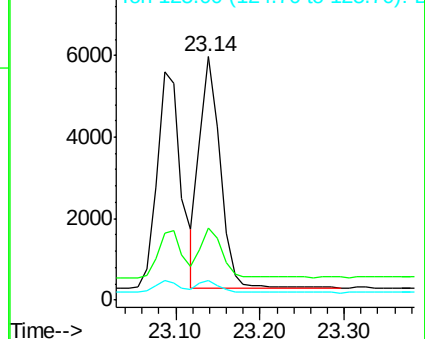
125 8.0 13.7 20.5#

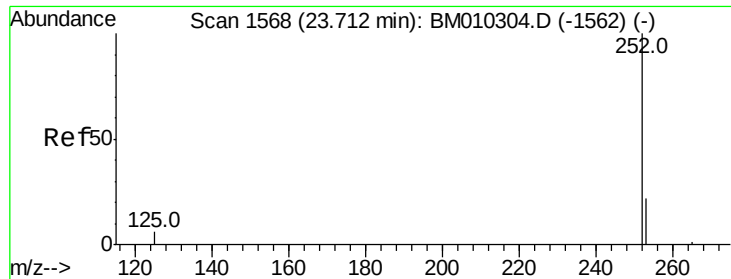


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.81 ng/ul

RT: 23.70 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

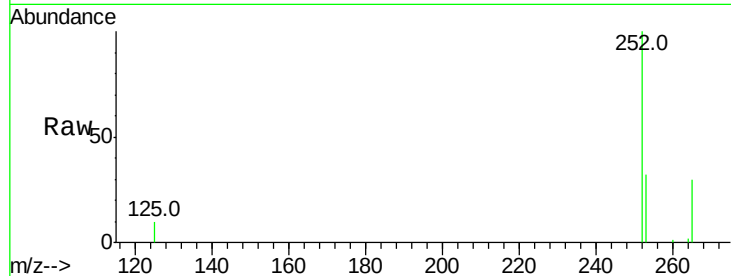
Tot Ion:252 Resp: 9902

Ion Ratio Lower Upper

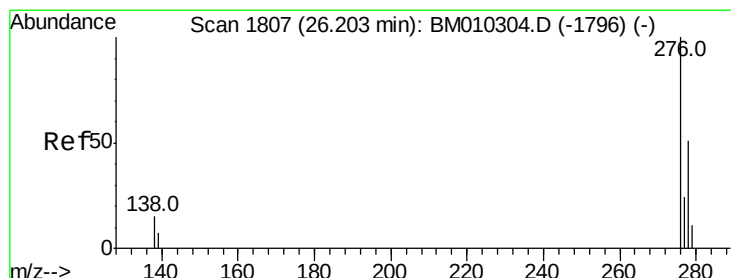
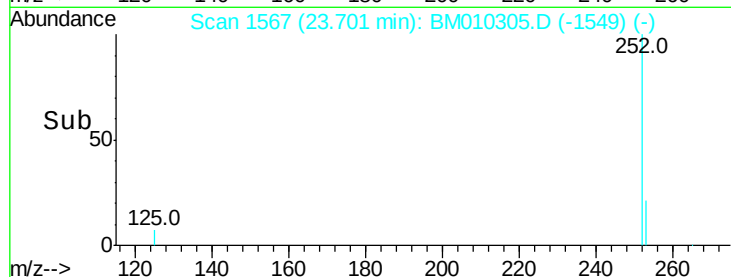
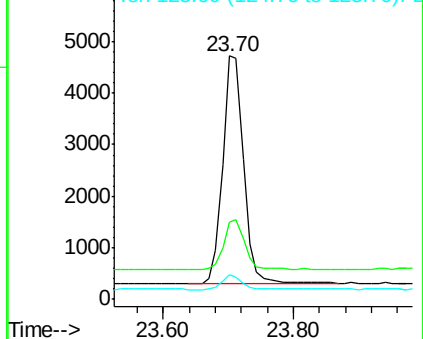
252 100

253 31.7 28.5 42.7

125 10.2 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: 0.81 ng/ul

RT: 26.20 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

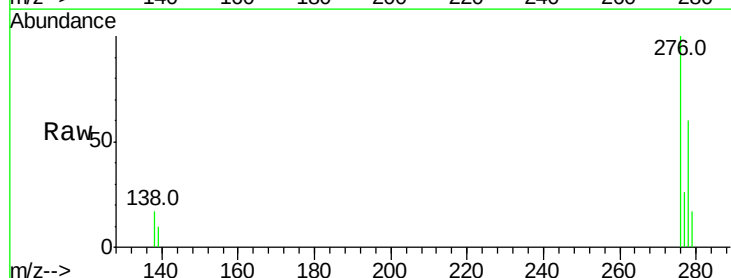
Tgt Ion:276 Resp: 13024

Ion Ratio Lower Upper

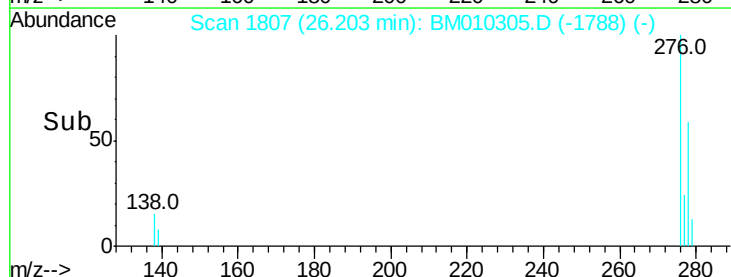
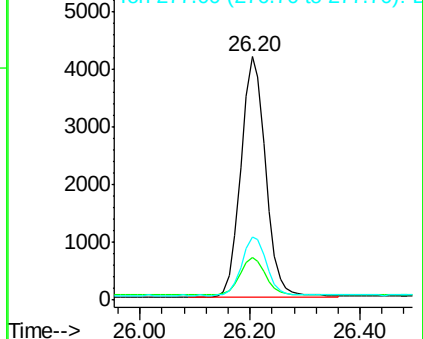
276 100

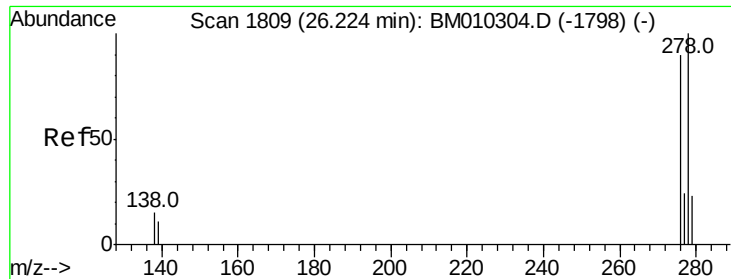
138 16.0 19.1 28.7#

277 24.6 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: 0.81 ng/ul

RT: 26.21 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

Instrument :

BNA_M

ClientSampleId :

SSTD0.810

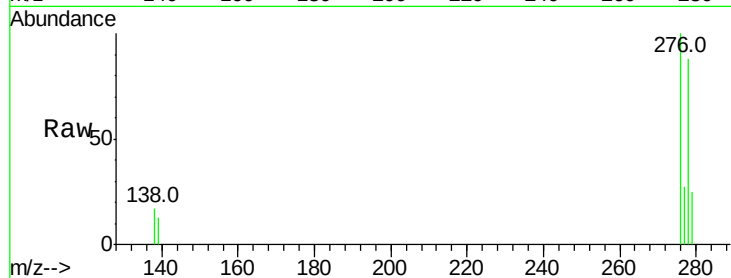
Tot Ion:278 Resp: 10365

Ion Ratio Lower Upper

278 100

139 14.3 17.4 26.0#

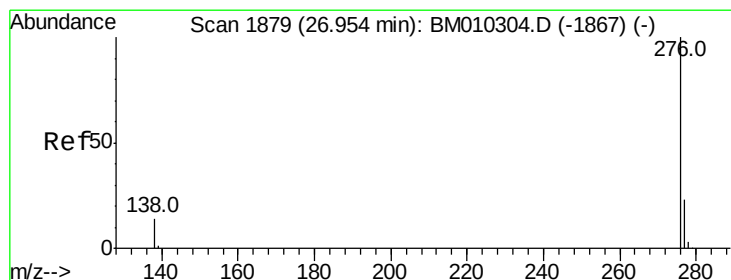
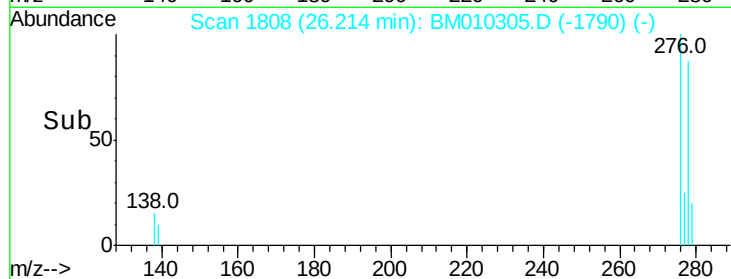
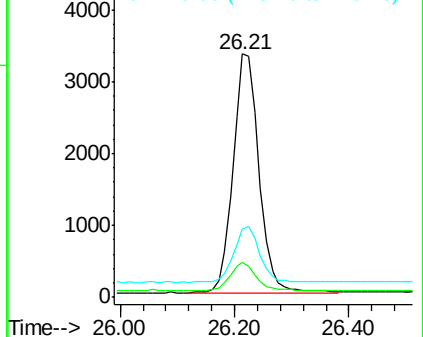
279 28.3 25.9 38.9



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: 0.80 ng/ul

RT: 26.95 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BM010305.D

Acq: 30 May 2017 11:13

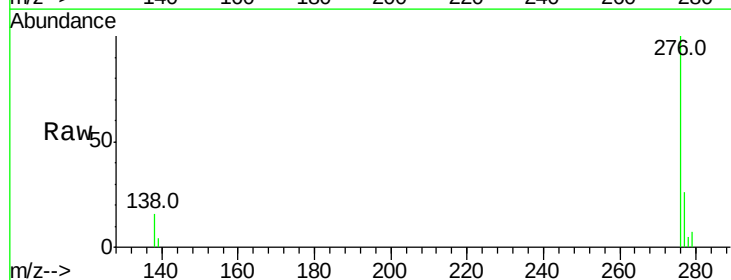
Tgt Ion:276 Resp: 11125

Ion Ratio Lower Upper

276 100

277 25.6 21.8 32.8

138 15.9 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

