

Data File : BM010440.D
Acq On : 07 Jun 2017 20:59
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.422

Quant Time: Jun 08 07:04:37 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 Jun 06 01:03:41 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	692	0.40	ng/ul	0.00
2) Naphthalene-d8	10.72	136	2077	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	1200	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.30	188	2671	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	2169	0.40	ng/ul	0.00
20) Perylene-d12	23.80	264	2304	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1285	0.43	ng/ul	-0.01
14) Fluoranthene-d10	19.32	212	2620	0.37	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.77	128	2103	0.38	ng/ul	98
5) 2-Methylnaphthalene	12.36	142	1606	0.42	ng/ul	100
7) Acenaphthylene	14.26	152	2431	0.41	ng/ul	100
8) Acenaphthene	14.61	153	1797	0.40	ng/ul	92
9) Fluorene	15.60	166	2117	0.39	ng/ul	98
11) Pentachlorophenol	16.94	266	403	0.39	ng/ul	93
12) Phenanthrene	17.33	178	3266	0.38	ng/ul	95
13) Anthracene	17.42	178	3163	0.39	ng/ul	98
15) Fluoranthene	19.34	202	3888	0.36	ng/ul	94
17) Pyrene	19.71	202	3915	0.42	ng/ul	99
18) Benzo(a)anthracene	21.43	228	3561	0.40	ng/ul	95
19) Chrysene	21.43	228	3561	0.42	ng/ul	95
21) Benzo(b)fluoranthene	23.08	252	3874	0.38	ng/ul	85
22) Benzo(k)fluoranthene	23.12	252	3734	0.39	ng/ul#	85
23) Benzo(a)pyrene	23.68	252	3742	0.39	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.19	276	4903	0.39	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.20	278	3914	0.39	ng/ul#	92
26) Benzo(g,h,i)perylene	26.93	276	4146	0.38	ng/ul#	91

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

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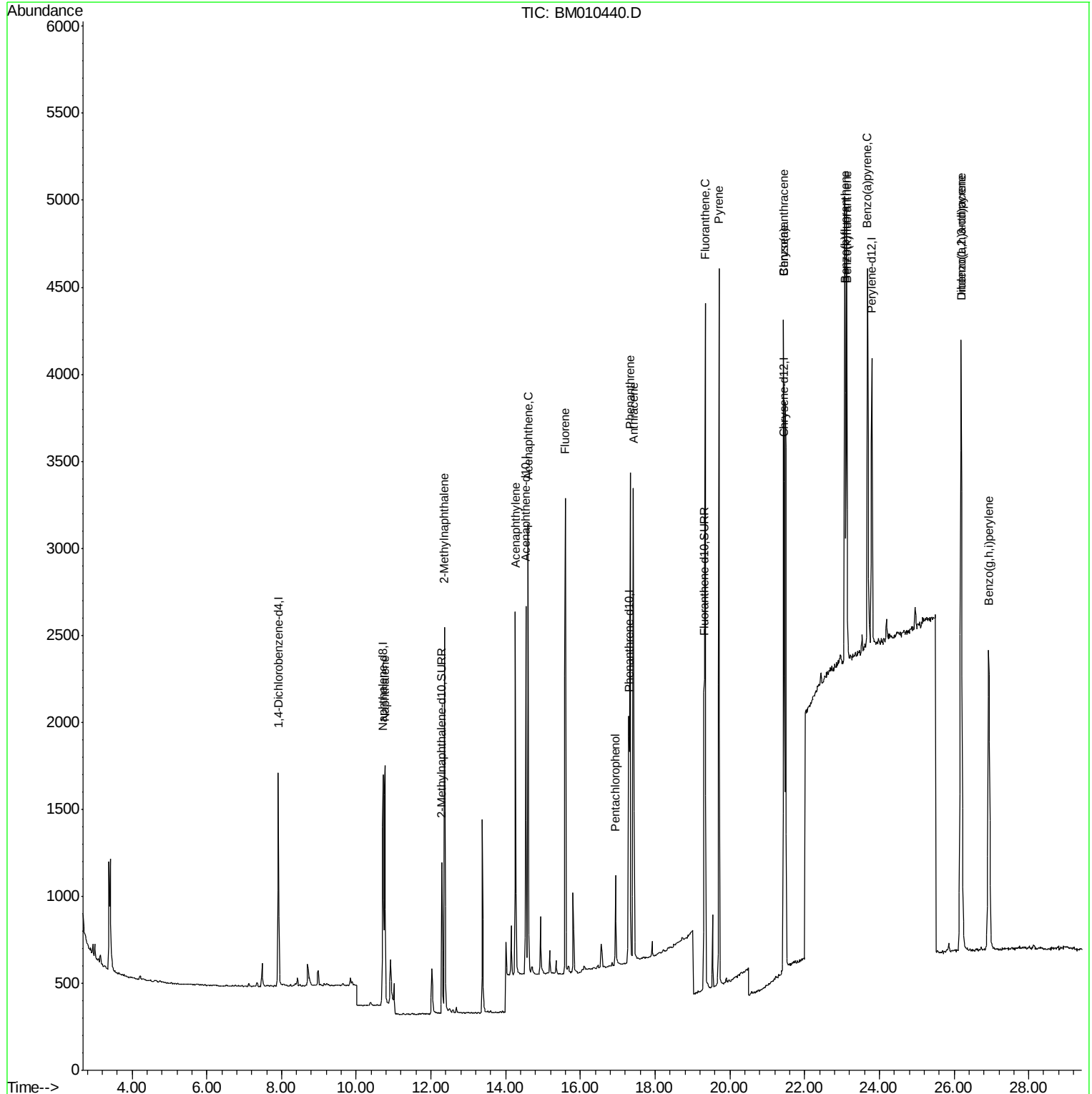
Quant Time: Jun 08 07:04:37 2017

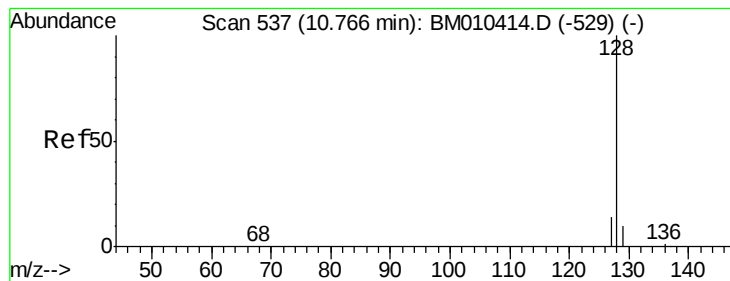
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM053017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.77 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

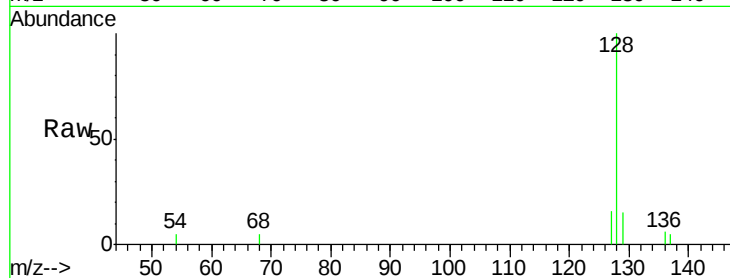
Tgt Ion:128 Resp: 2103

Ion Ratio Lower Upper

128 100

129 15.4 11.3 16.9

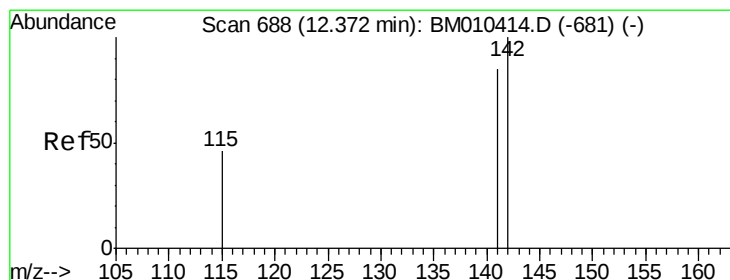
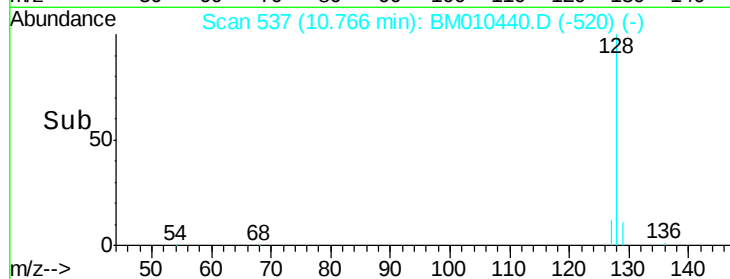
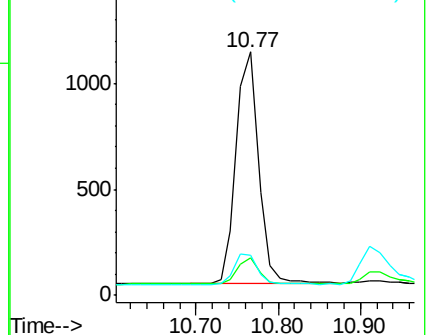
127 16.4 12.8 19.2



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: 0.42 ng/ul

RT: 12.36 min Scan# 687

Delta R.T. -0.01 min

Lab File: BM010440.D

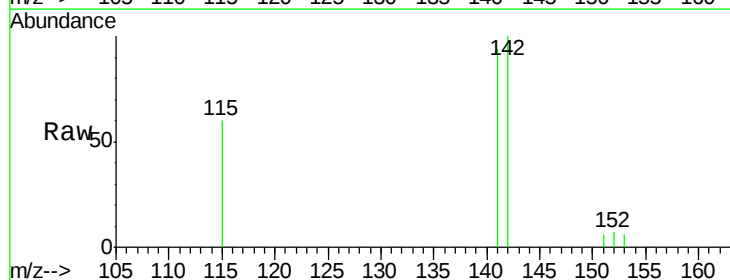
Acq: 07 Jun 2017 20:59

Tgt Ion:142 Resp: 1606

Ion Ratio Lower Upper

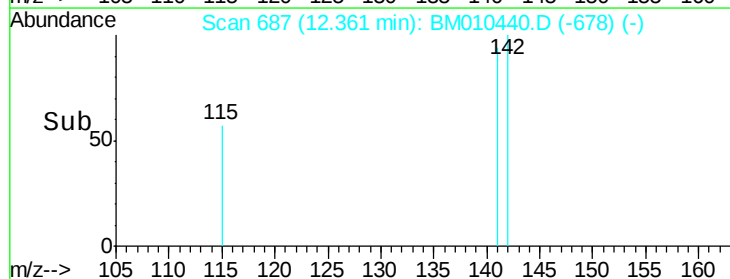
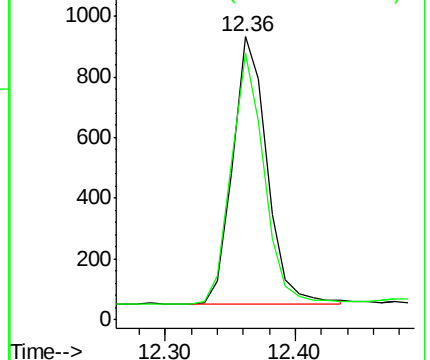
142 100

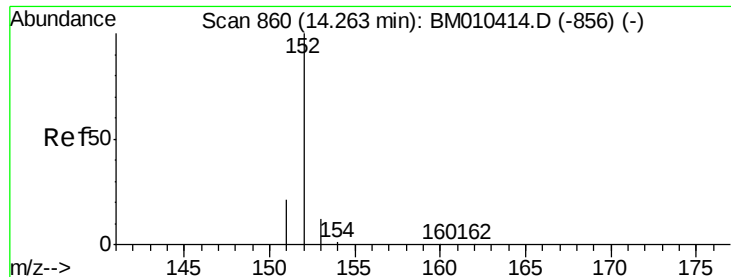
141 90.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.26 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

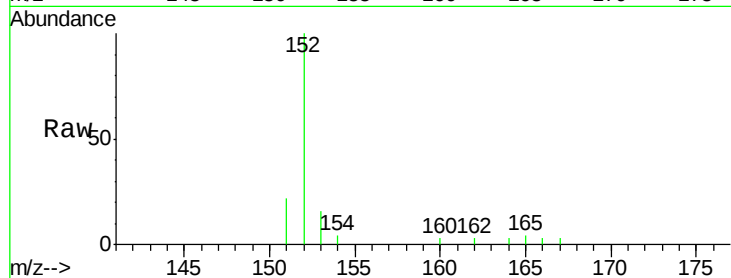
Tgt Ion:152 Resp: 2431

Ion Ratio Lower Upper

152 100

151 21.7 17.1 25.7

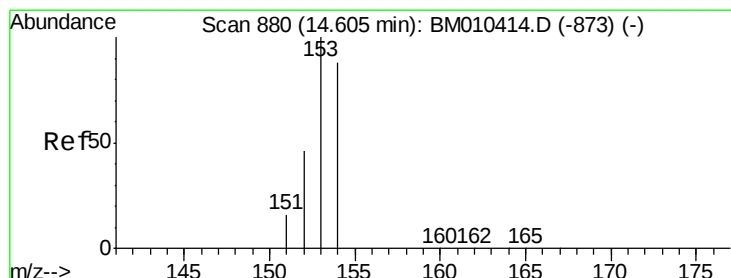
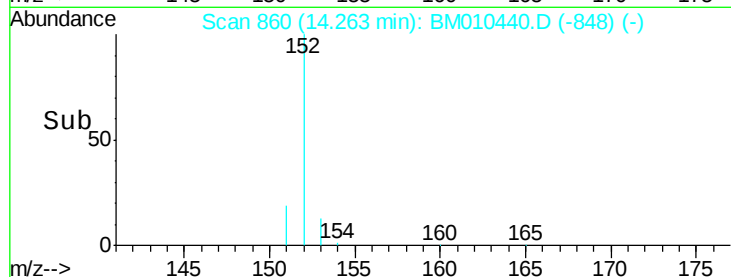
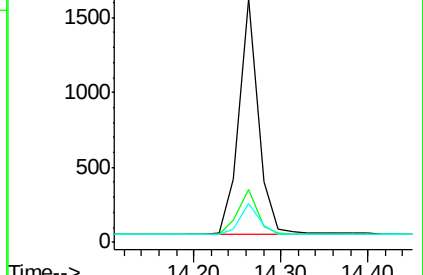
153 15.9 12.8 19.2



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: 0.40 ng/ul

RT: 14.61 min Scan# 880

Delta R.T. 0.00 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

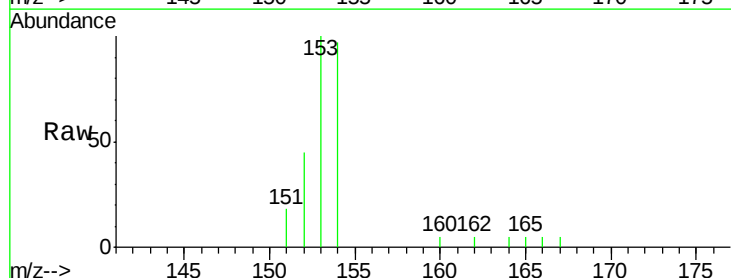
Tgt Ion:153 Resp: 1797

Ion Ratio Lower Upper

153 100

152 45.3 40.3 60.5

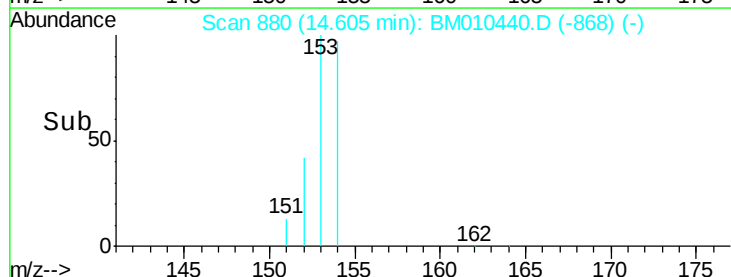
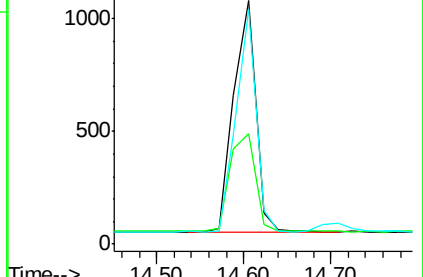
154 96.7 71.4 107.2

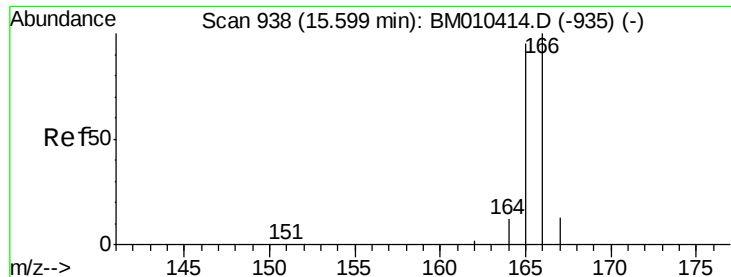


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

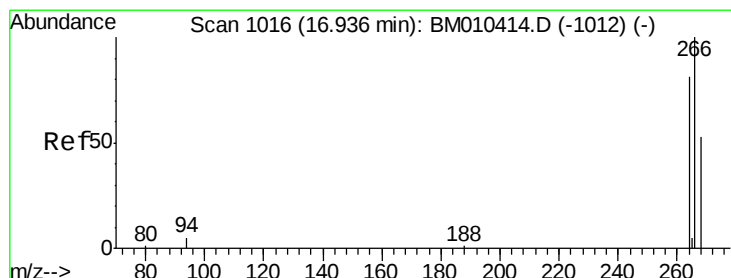
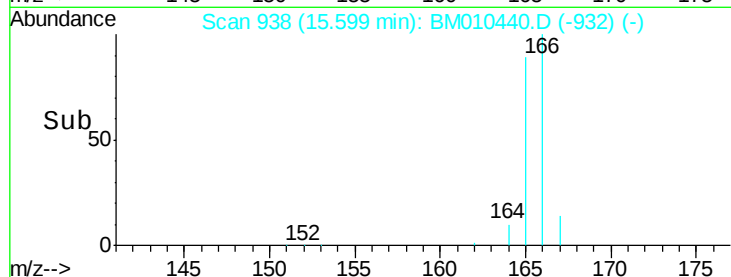
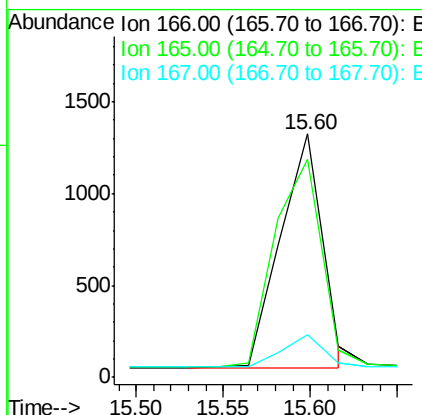
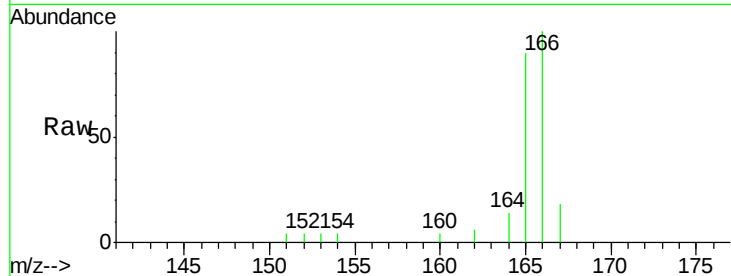




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.60 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BM010440.D
 Acq: 07 Jun 2017 20:59

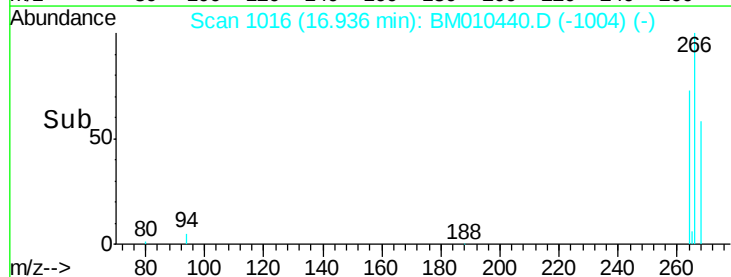
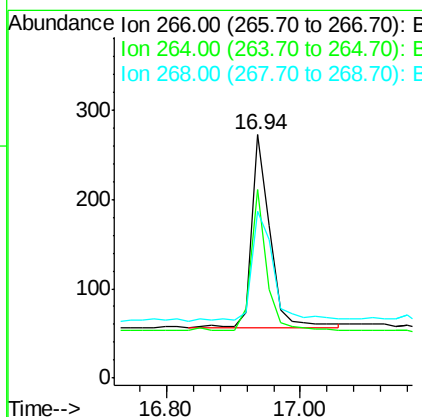
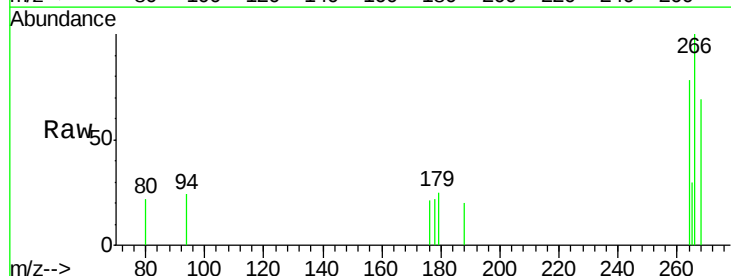
Instrument :
 BNA_M
 ClientSampleId :
 SST0.422

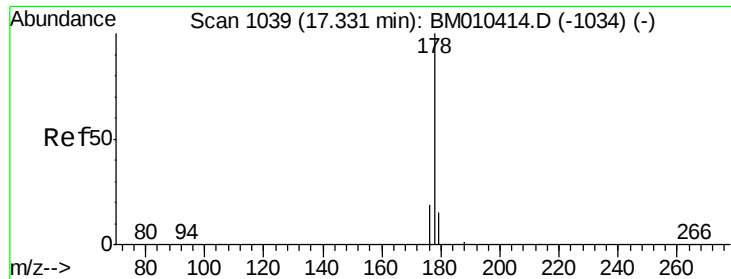
Tgt Ion:166 Resp: 2117
 Ion Ratio Lower Upper
 166 100
 165 89.7 73.4 110.2
 167 17.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.39 ng/ul
 RT: 16.94 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: BM010440.D
 Acq: 07 Jun 2017 20:59

Tgt Ion:266 Resp: 403
 Ion Ratio Lower Upper
 266 100
 264 64.0 47.9 71.9
 268 68.7 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

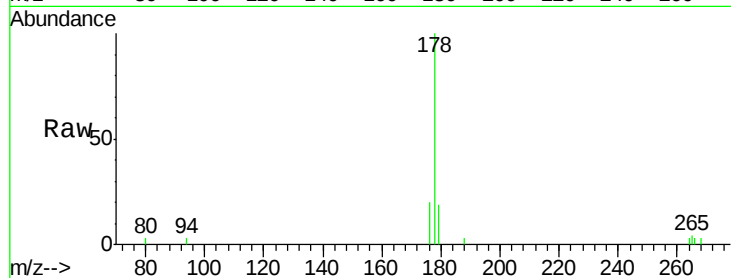
Tgt Ion:178 Resp: 3266

Ion Ratio Lower Upper

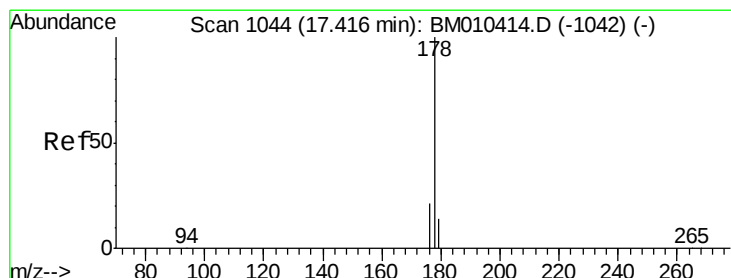
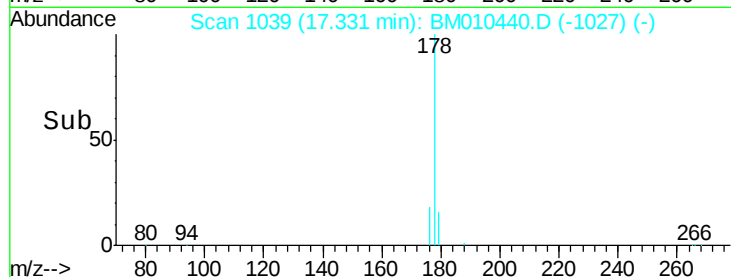
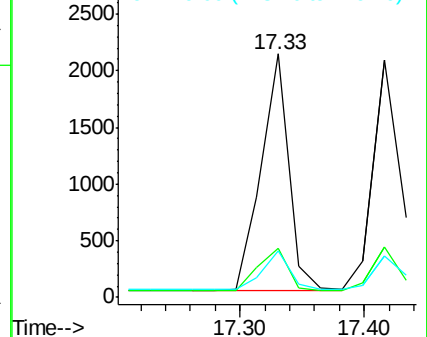
178 100

176 20.0 18.4 27.6

179 18.9 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: 0.39 ng/ul

RT: 17.42 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

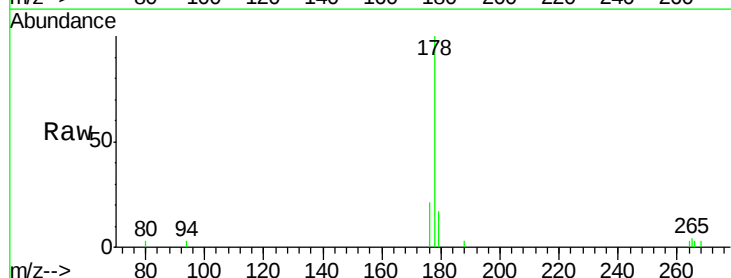
Tgt Ion:178 Resp: 3163

Ion Ratio Lower Upper

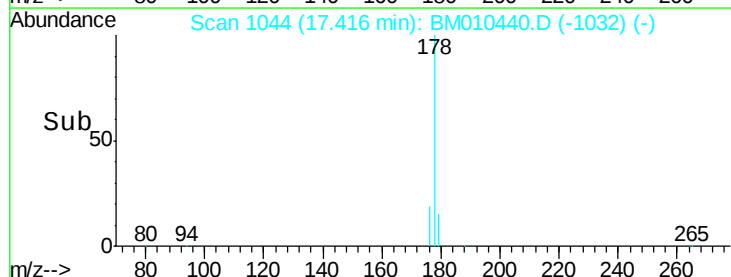
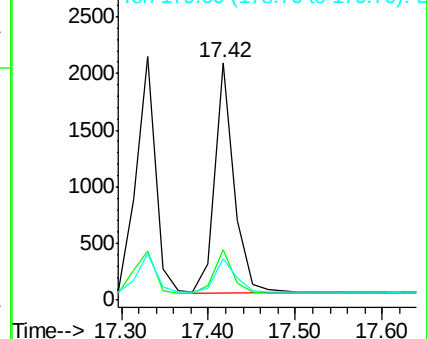
178 100

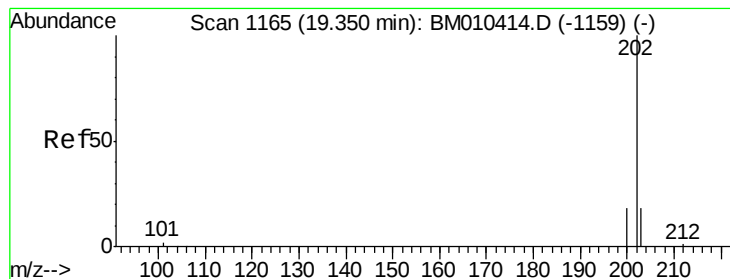
176 21.3 18.1 27.1

179 17.5 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: 0.36 ng/ul

RT: 19.34 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

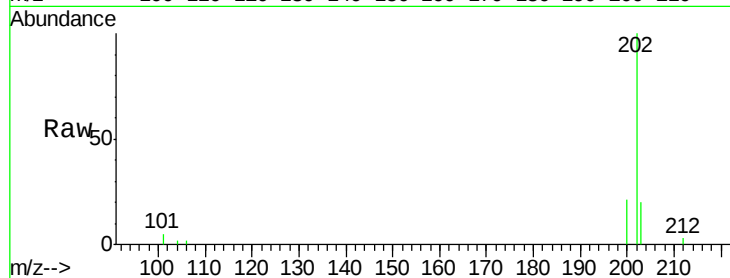
Tgt Ion:202 Resp: 3888

Ion Ratio Lower Upper

202 100

101 4.8 0.0 30.3

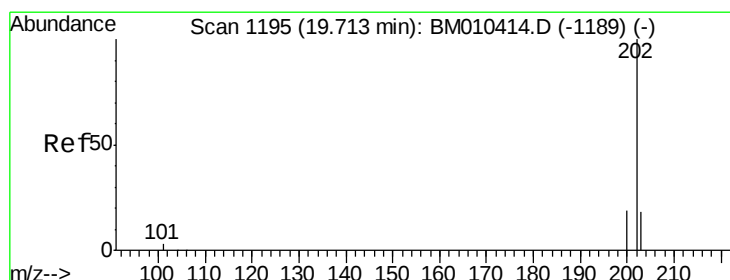
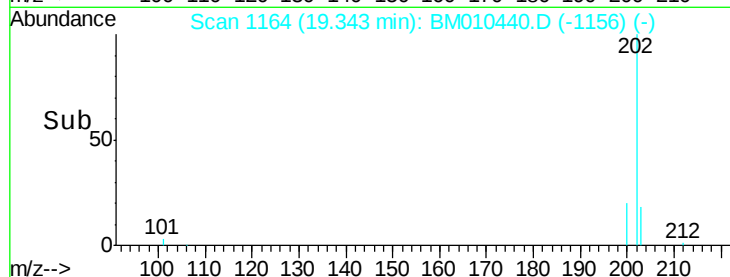
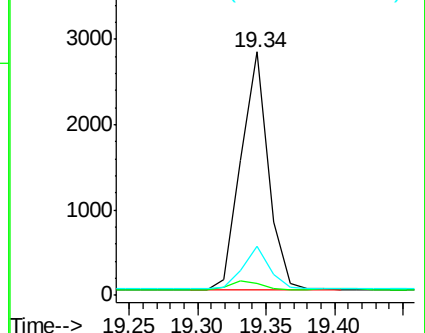
203 20.0 0.0 39.5



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: 0.42 ng/ul

RT: 19.71 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

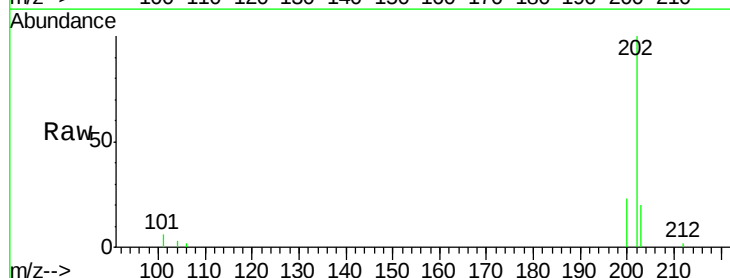
Tgt Ion:202 Resp: 3915

Ion Ratio Lower Upper

202 100

200 23.0 18.2 27.4

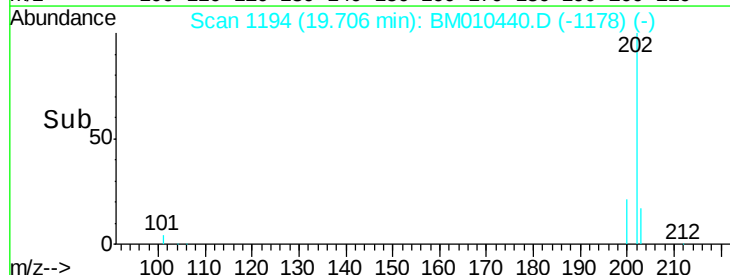
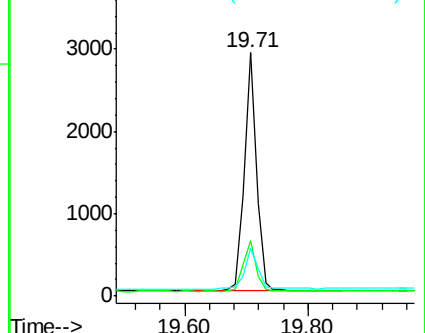
203 19.8 15.6 23.4

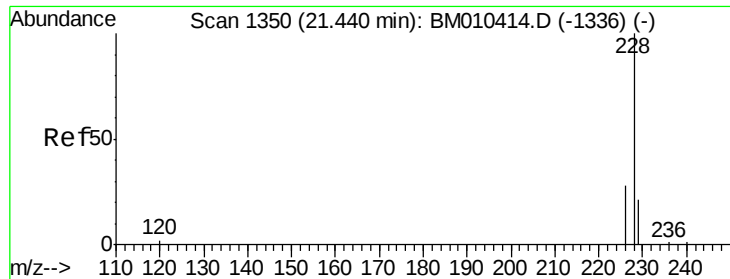


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/u1

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

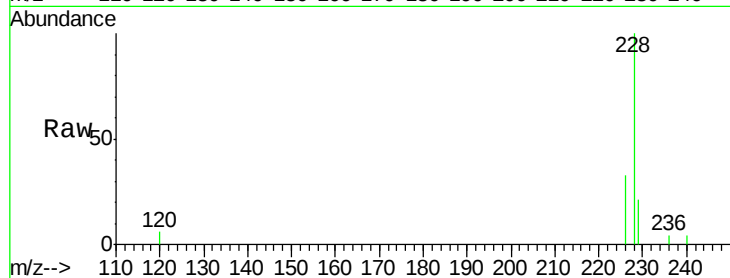
Tgt Ion:228 Resp: 3561

Ion Ratio Lower Upper

228 100

226 32.6 22.8 34.2

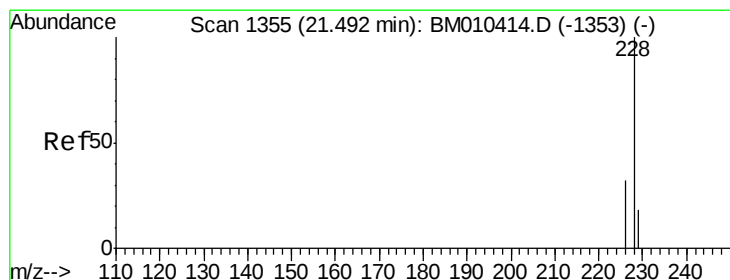
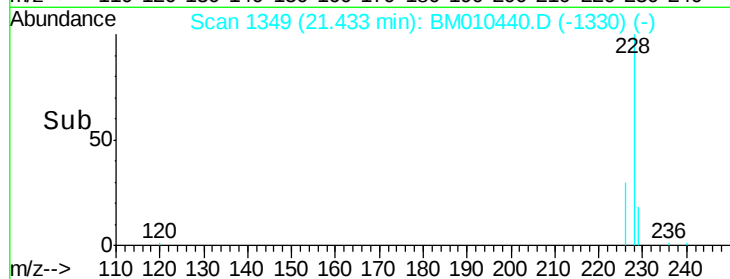
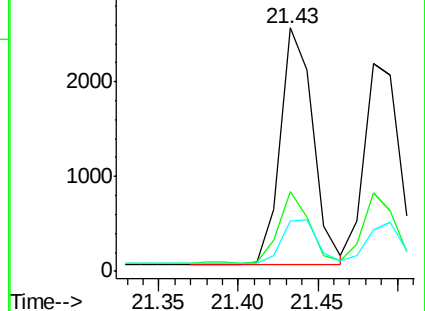
229 20.6 17.0 25.6



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: 0.42 ng/u1

RT: 21.43 min Scan# 1349

Delta R.T. -0.06 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

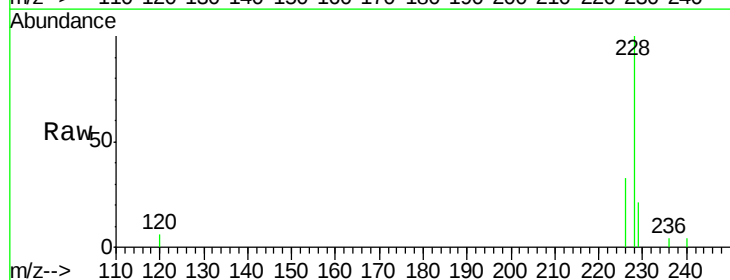
Tgt Ion:228 Resp: 3561

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.0

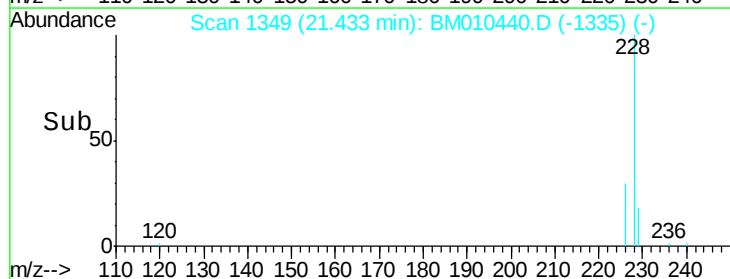
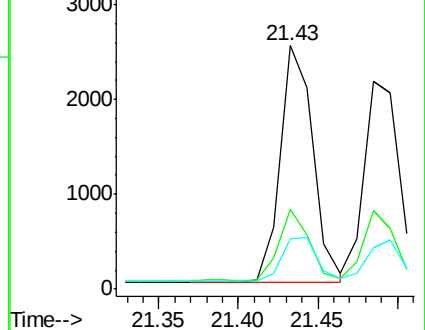
229 20.6 17.7 26.5

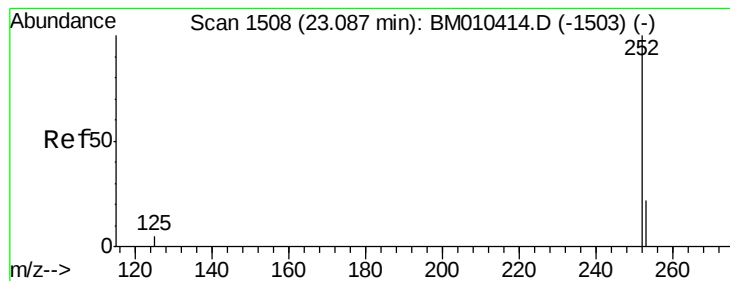


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/u1

RT: 23.08 min Scan# 1507

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

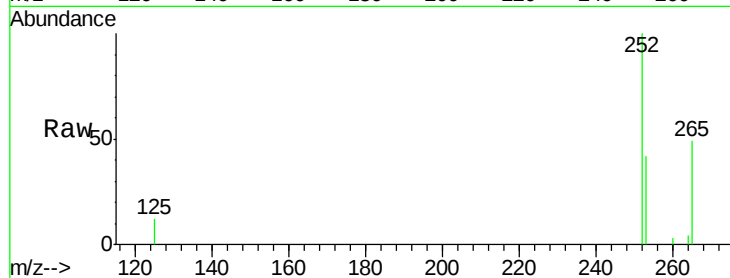
Tgt Ion:252 Resp: 3874

Ion Ratio Lower Upper

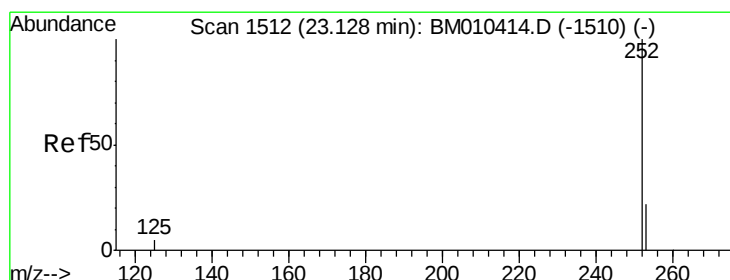
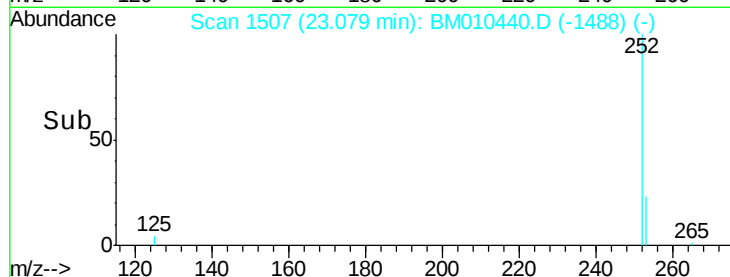
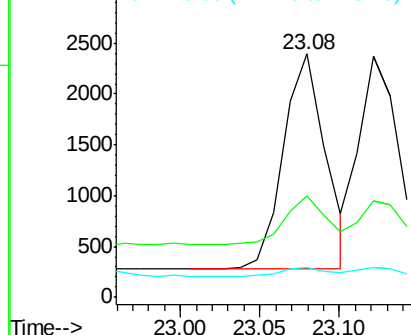
252 100

253 41.6 0.0 64.2

125 12.3 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: 0.39 ng/u1

RT: 23.12 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

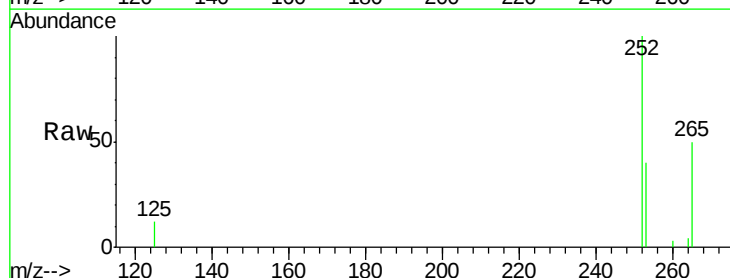
Tgt Ion:252 Resp: 3734

Ion Ratio Lower Upper

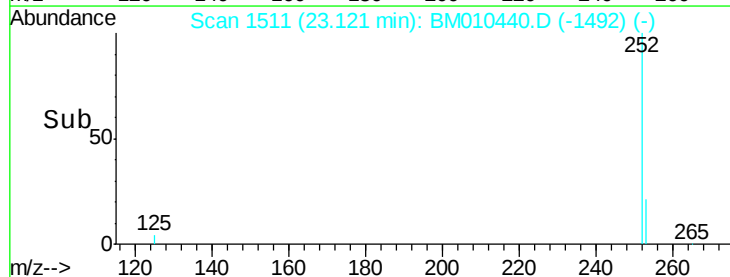
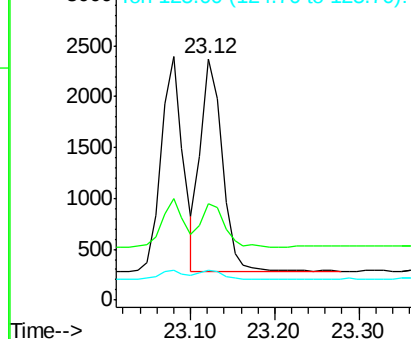
252 100

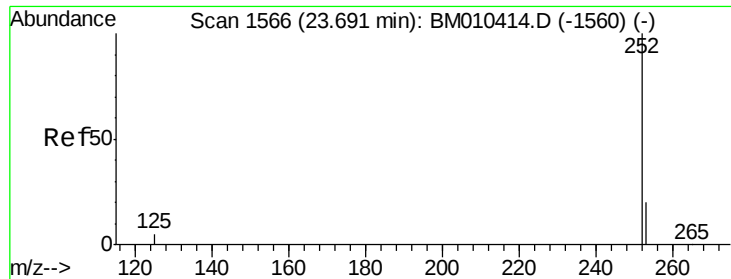
253 40.2 24.5 36.7#

125 12.4 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: 0.39 ng/ul

RT: 23.68 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

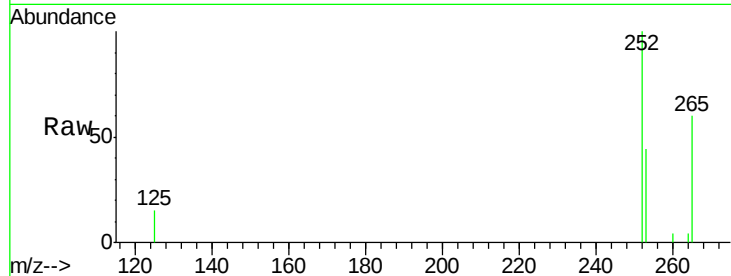
Tgt Ion:252 Resp: 3742

Ion Ratio Lower Upper

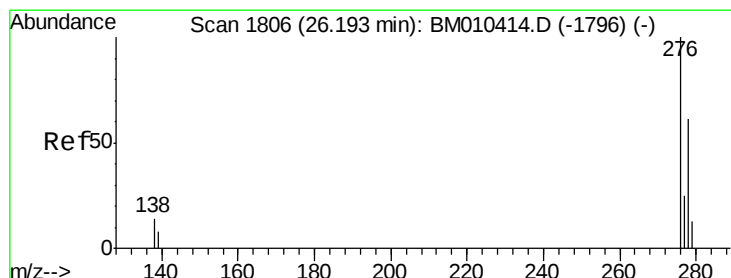
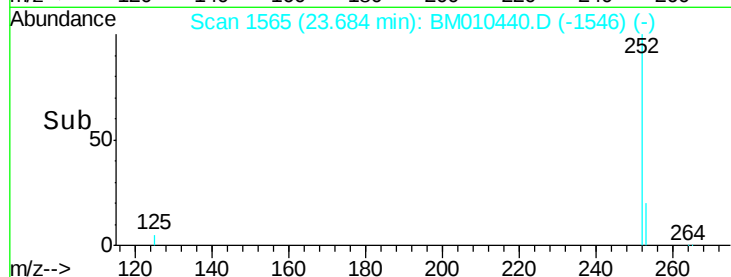
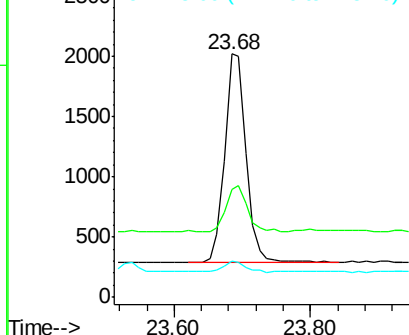
252 100

253 44.2 28.5 42.7#

125 15.0 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: 0.39 ng/ul

RT: 26.19 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

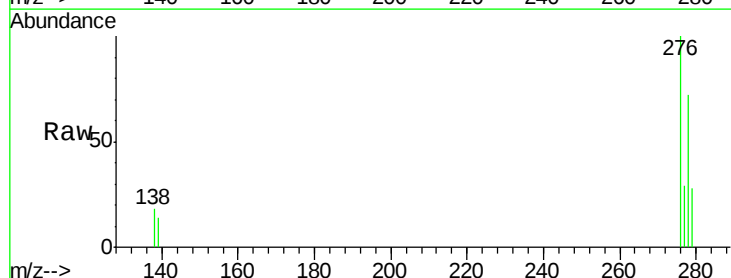
Tgt Ion:276 Resp: 4903

Ion Ratio Lower Upper

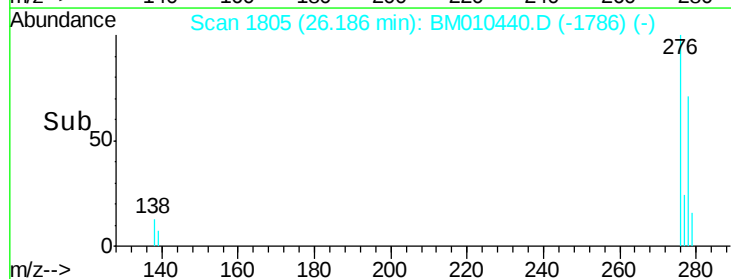
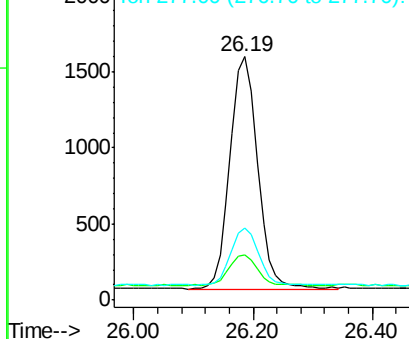
276 100

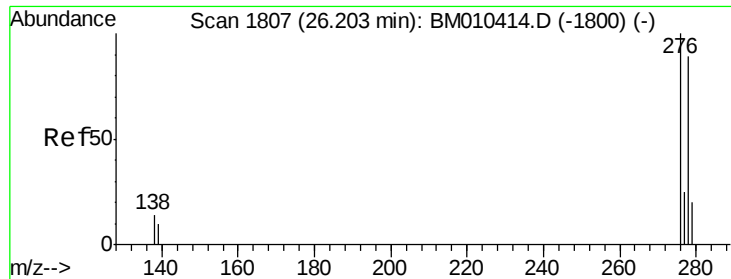
138 13.5 19.1 28.7#

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: 0.39 ng/ul

RT: 26.20 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.422

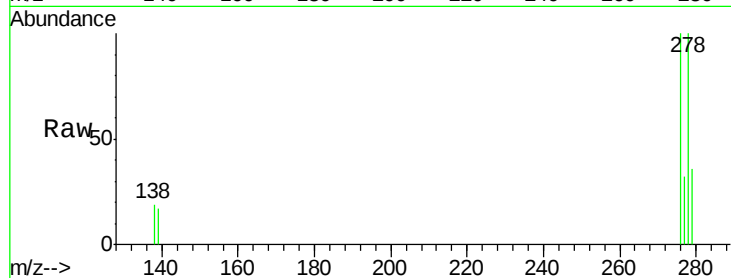
Tgt Ion:278 Resp: 3914

Ion Ratio Lower Upper

278 100

139 16.9 17.4 26.0#

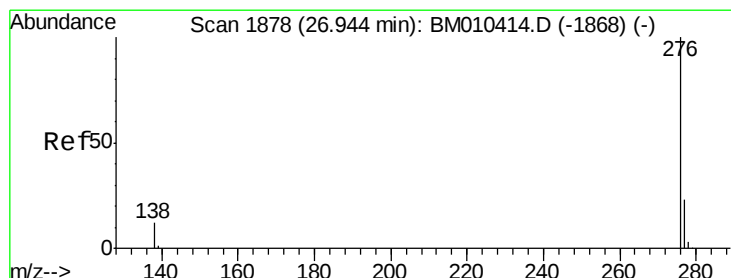
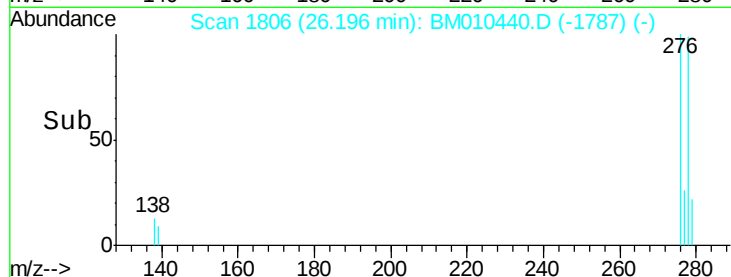
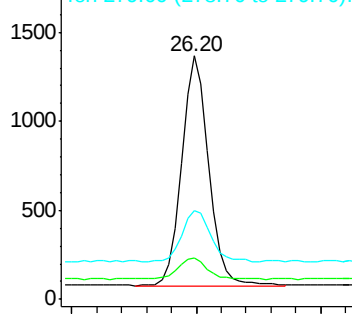
279 36.3 25.9 38.9



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: 0.38 ng/ul

RT: 26.93 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BM010440.D

Acq: 07 Jun 2017 20:59

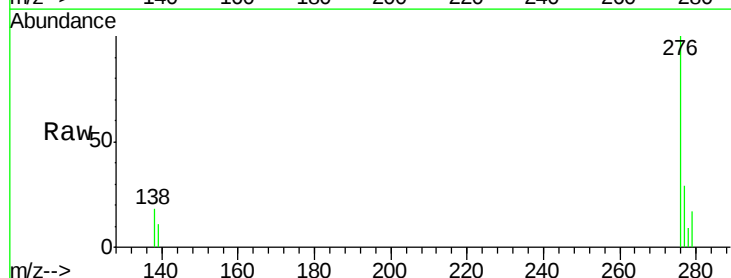
Tgt Ion:276 Resp: 4146

Ion Ratio Lower Upper

276 100

277 29.3 21.8 32.8

138 18.4 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

