

Data File : BM010444.D
Acq On : 07 Jun 2017 23:22
Operator : SJ/MA
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.423

Quant Time: Jun 08 07:10:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM053017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 07:10:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	697	0.40	ng/ul	0.00
2) Naphthalene-d8	10.72	136	2065	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	1271	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.28	188	2907	0.40	ng/ul	-0.02
16) Chrysene-d12	21.46	240	2252	0.40	ng/ul	0.00
20) Perylene-d12	23.80	264	2247	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	1302	0.43	ng/ul	0.00
14) Fluoranthene-d10	19.31	212	2957	0.38	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.77	128	2108	0.39	ng/ul	98
5) 2-Methylnaphthalene	12.36	142	1593	0.41	ng/ul	100
7) Acenaphthylene	14.26	152	2511	0.40	ng/ul	100
8) Acenaphthene	14.61	153	1833	0.38	ng/ul	92
9) Fluorene	15.60	166	2221	0.39	ng/ul	99
11) Pentachlorophenol	16.94	266	449	0.40	ng/ul	96
12) Phenanthrene	17.33	178	3581	0.38	ng/ul	95
13) Anthracene	17.42	178	3363	0.38	ng/ul	98
15) Fluoranthene	19.34	202	4323	0.37	ng/ul	95
17) Pyrene	19.70	202	4394	0.46	ng/ul	96
18) Benzo(a)anthracene	21.44	228	3689	0.40	ng/ul	98
19) Chrysene	21.49	228	3544	0.40	ng/ul	96
21) Benzo(b)fluoranthene	23.08	252	3723	0.38	ng/ul	86
22) Benzo(k)fluoranthene	23.13	252	3790	0.41	ng/ul#	82
23) Benzo(a)pyrene	23.69	252	3699	0.40	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.18	276	4754	0.39	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.19	278	3783	0.39	ng/ul#	90
26) Benzo(g,h,i)perylene	26.93	276	4046	0.38	ng/ul#	91

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

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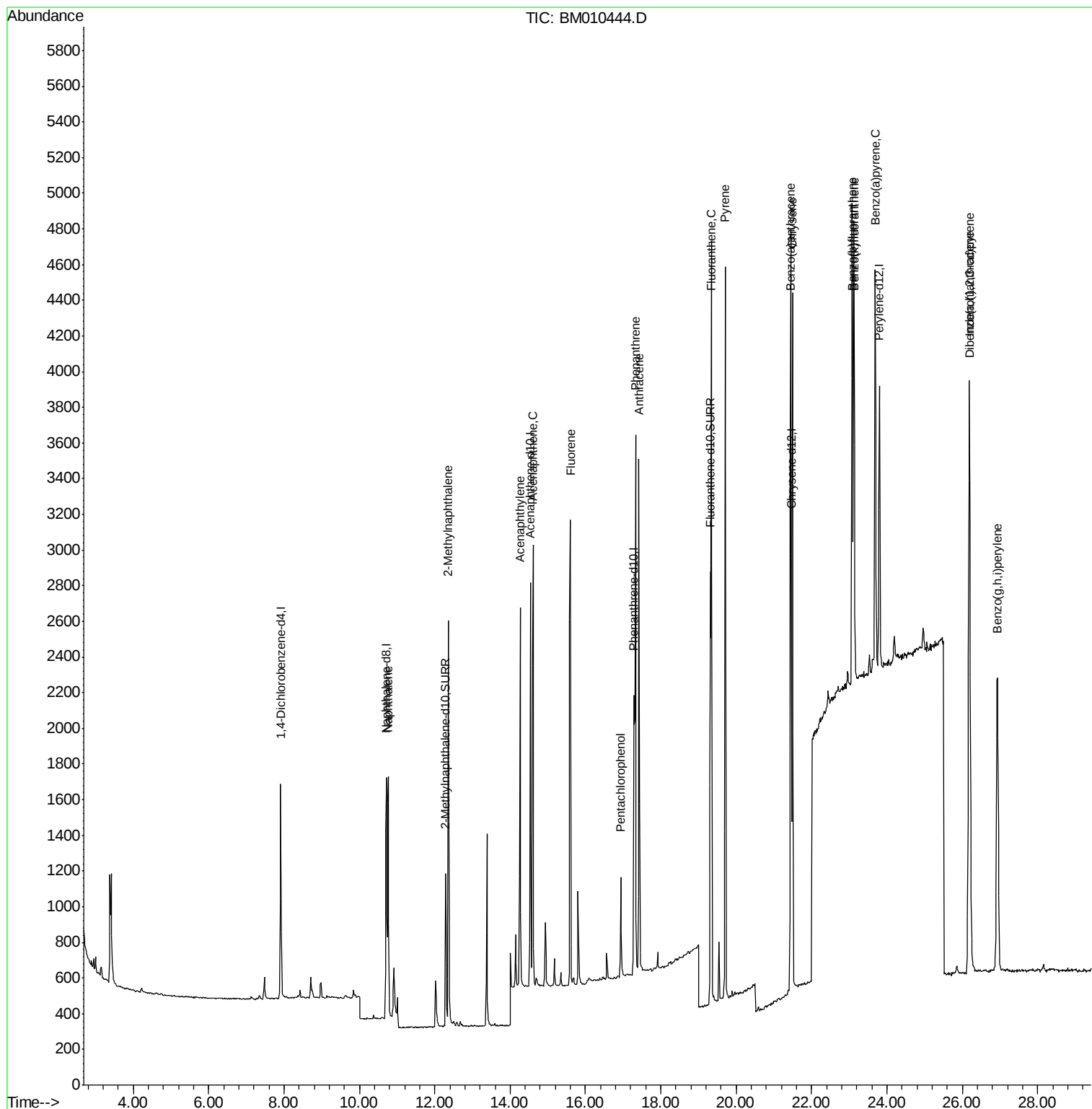
Quant Time: Jun 08 07:10:50 2017

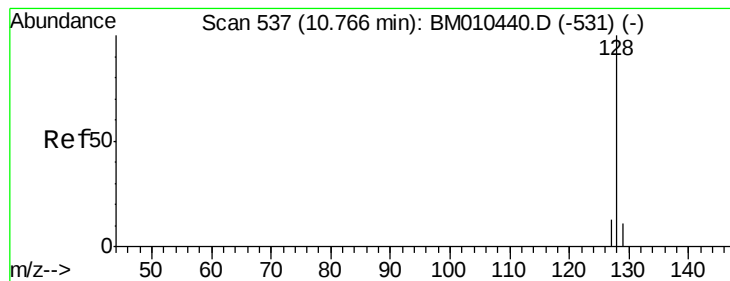
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM053017.M

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.77 min Scan# 537

Delta R.T. -0.00 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.423

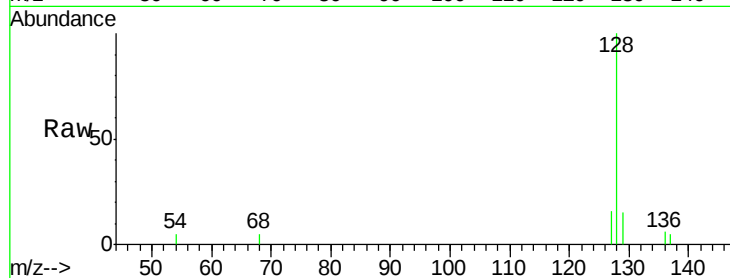
Tgt Ion:128 Resp: 2108

Ion Ratio Lower Upper

128 100

129 15.3 11.3 16.9

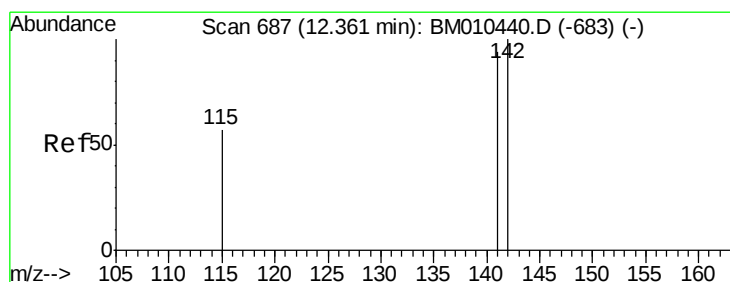
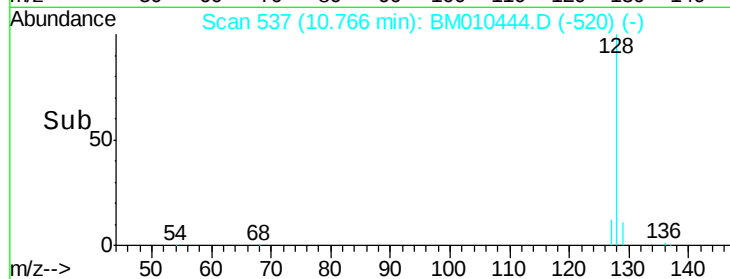
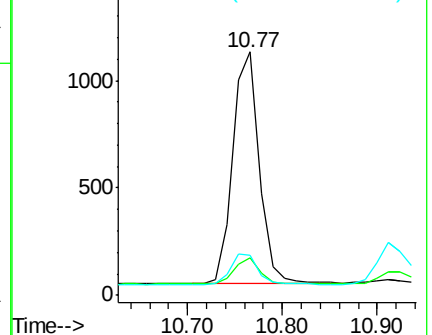
127 16.2 12.8 19.2



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: 0.41 ng/ul

RT: 12.36 min Scan# 687

Delta R.T. -0.00 min

Lab File: BM010444.D

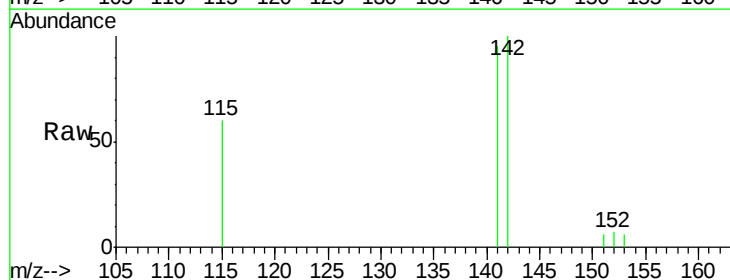
Acq: 07 Jun 2017 23:22

Tgt Ion:142 Resp: 1593

Ion Ratio Lower Upper

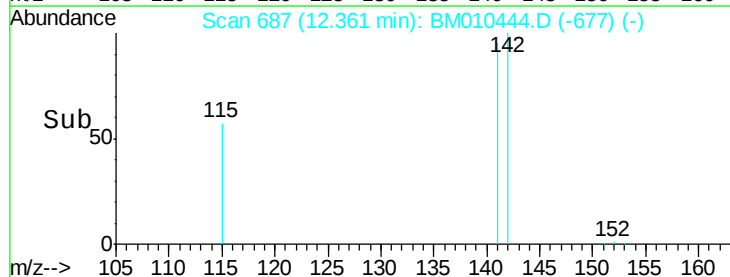
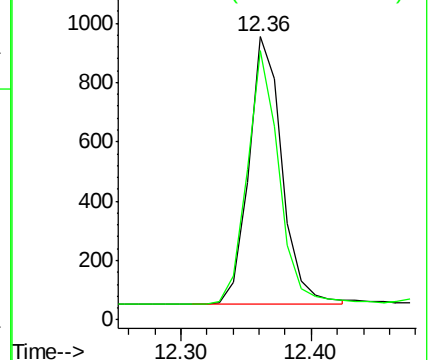
142 100

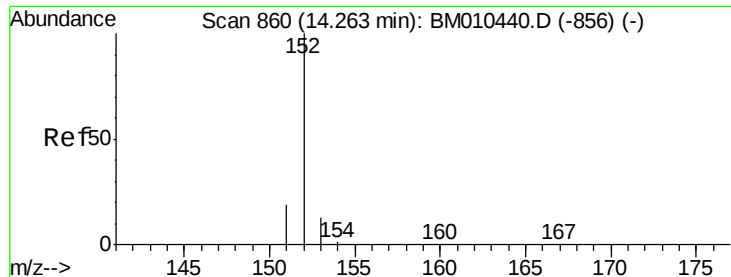
141 90.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.26 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.423

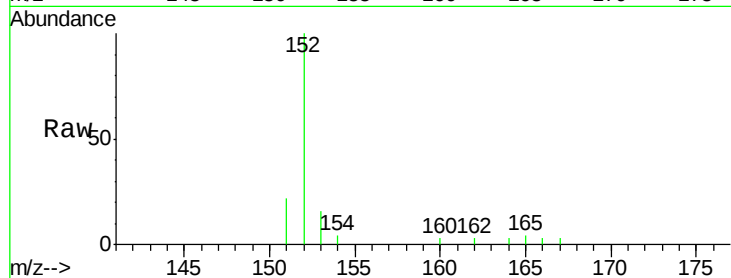
Tgt Ion:152 Resp: 2511

Ion Ratio Lower Upper

152 100

151 21.6 17.1 25.7

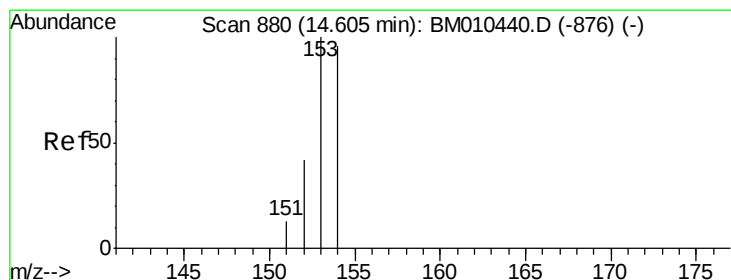
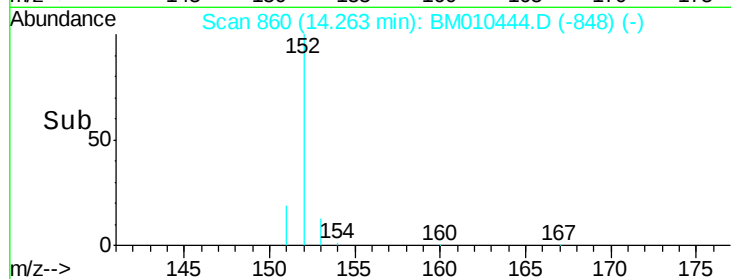
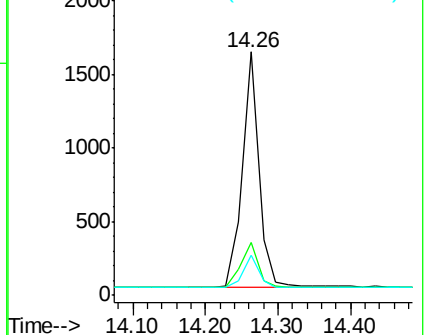
153 16.2 12.8 19.2



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: 0.38 ng/ul

RT: 14.61 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

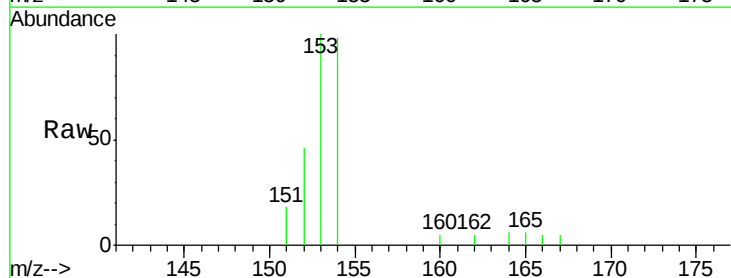
Tgt Ion:153 Resp: 1833

Ion Ratio Lower Upper

153 100

152 46.4 40.3 60.5

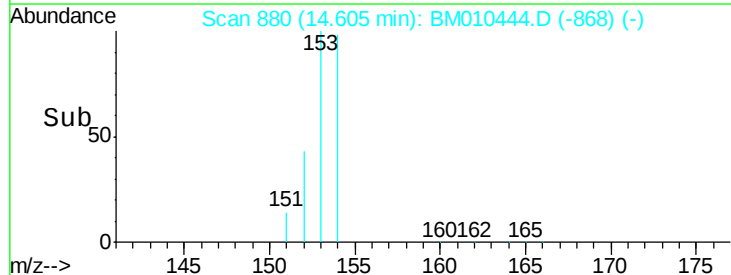
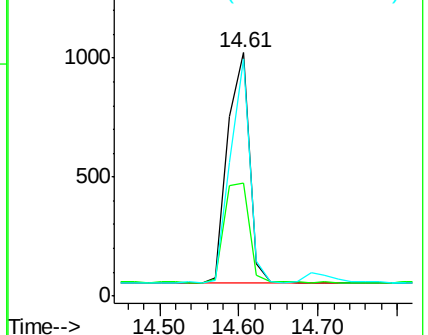
154 97.7 71.4 107.2

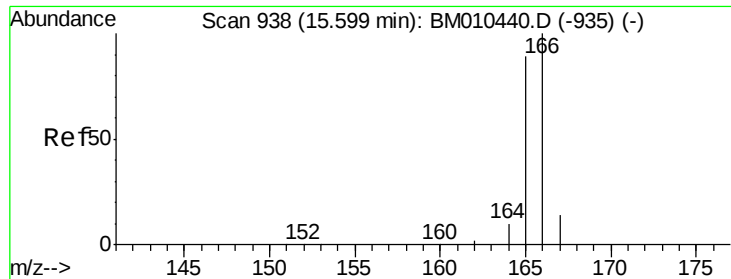


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

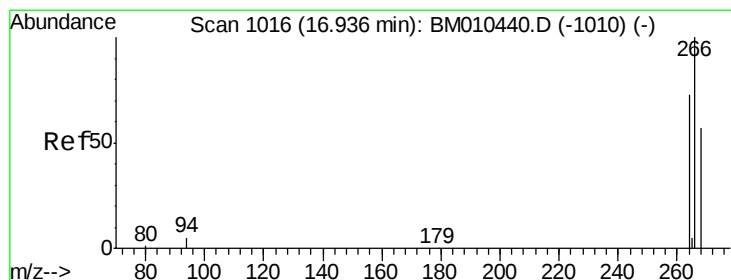
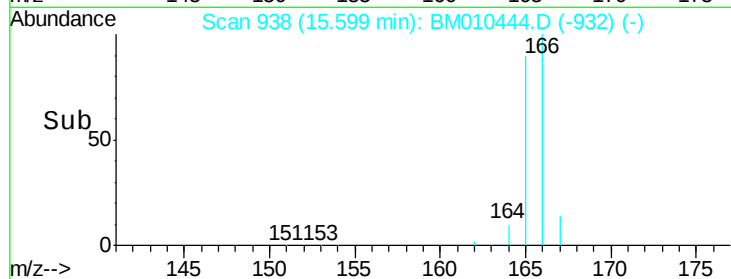
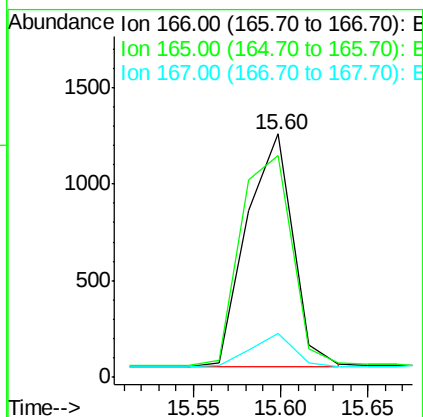
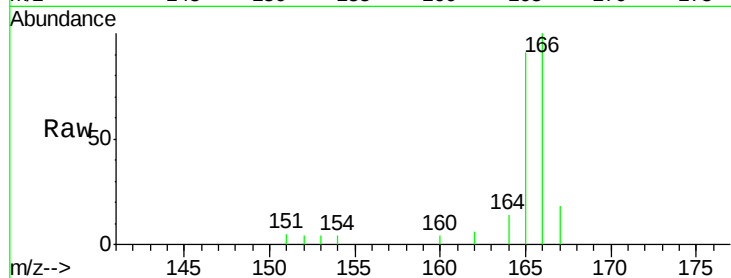




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.60 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: BM010444.D
 Acq: 07 Jun 2017 23:22

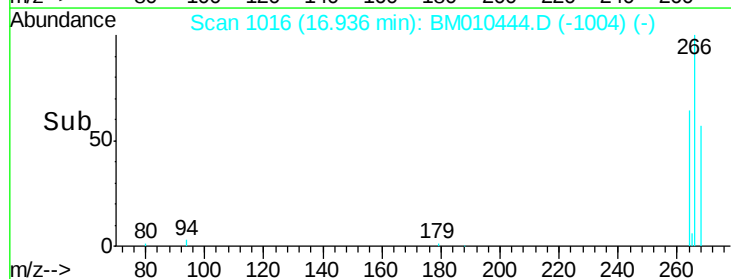
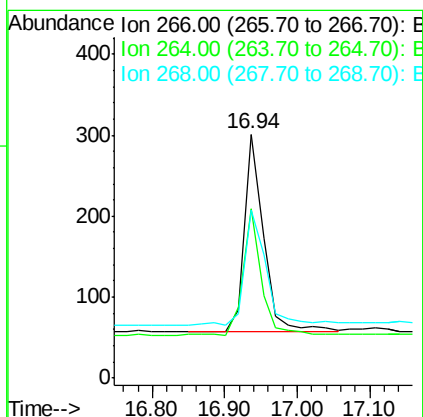
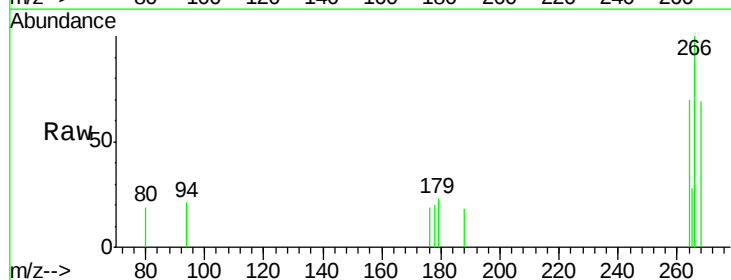
Instrument :
 BNA_M
 ClientSampleId :
 SST0.423

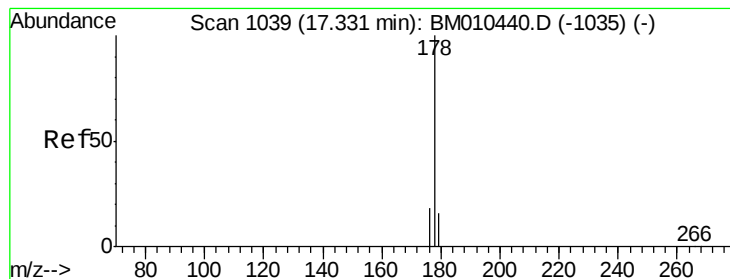
Tgt Ion:166 Resp: 2221
 Ion Ratio Lower Upper
 166 100
 165 91.0 73.4 110.2
 167 18.2 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.40 ng/ul
 RT: 16.94 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BM010444.D
 Acq: 07 Jun 2017 23:22

Tgt Ion:266 Resp: 449
 Ion Ratio Lower Upper
 266 100
 264 61.0 47.9 71.9
 268 66.8 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: BM010444.D

Acq: 07 Jun 2017 23:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.423

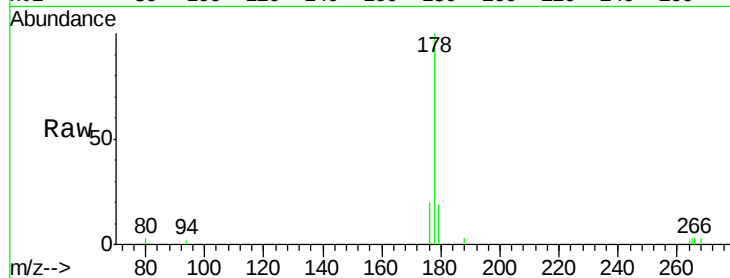
Tgt Ion:178 Resp: 3581

Ion Ratio Lower Upper

178 100

176 20.3 18.4 27.6

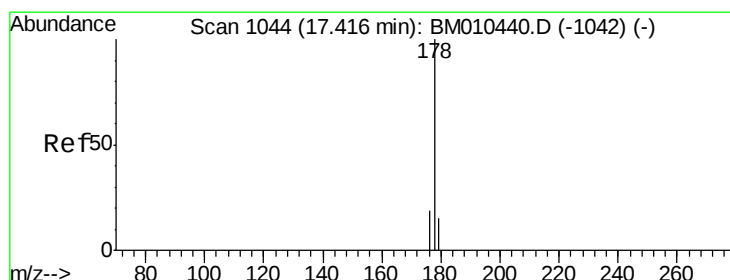
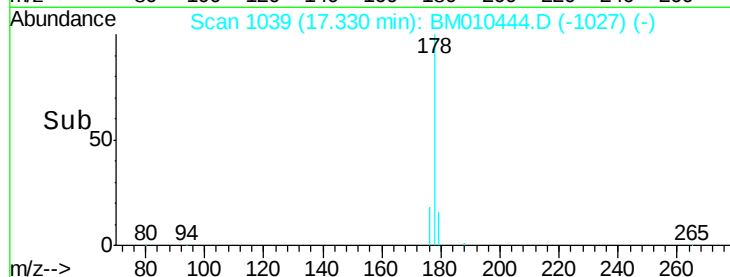
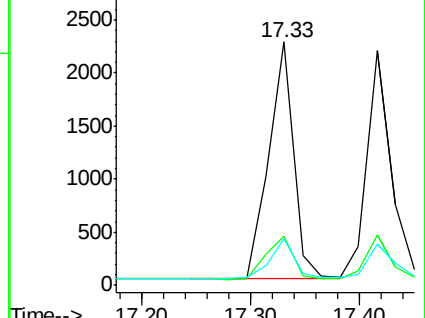
179 18.9 13.6 20.4



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: 0.38 ng/ul

RT: 17.42 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

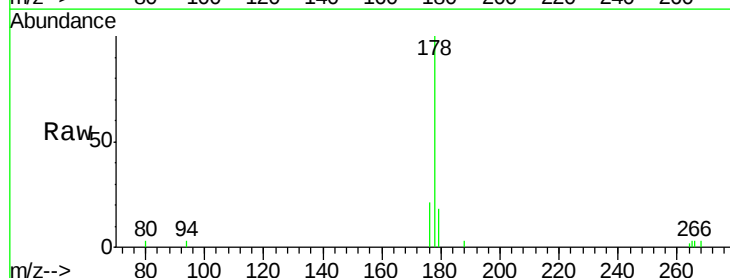
Tgt Ion:178 Resp: 3363

Ion Ratio Lower Upper

178 100

176 21.2 18.1 27.1

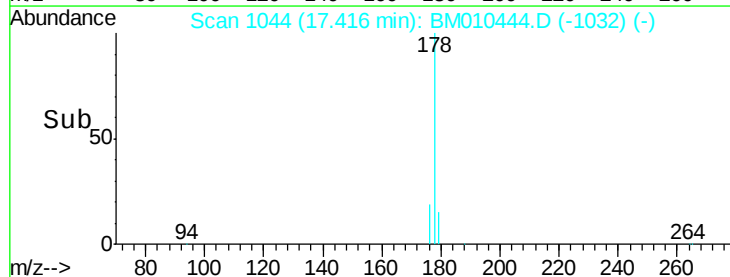
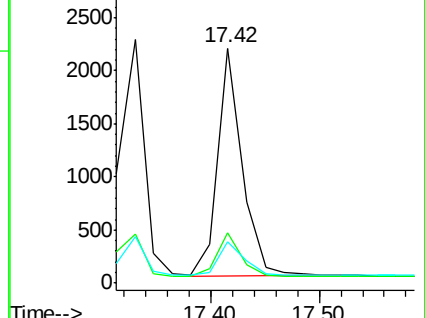
179 17.7 14.7 22.1

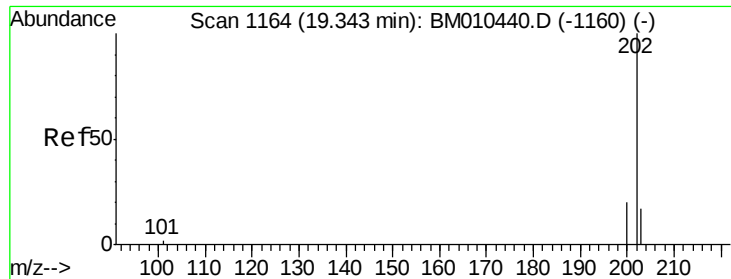


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.37 ng/ul

RT: 19.34 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

Instrument :

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ClientSampleId :

SSTD0.423

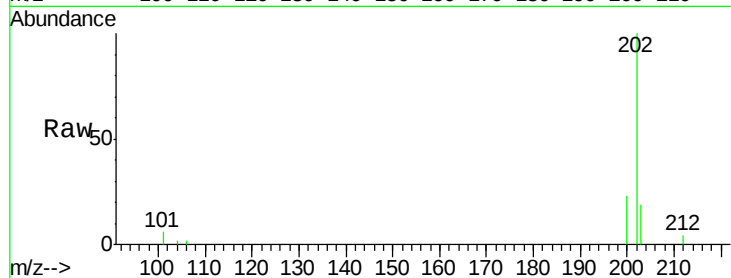
Tgt Ion:202 Resp: 4323

Ion Ratio Lower Upper

202 100

101 5.9 0.0 30.3

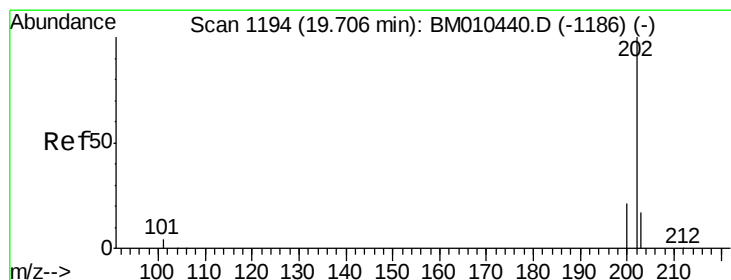
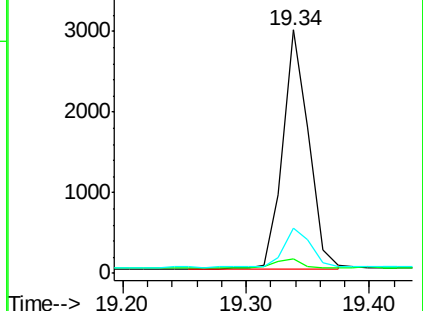
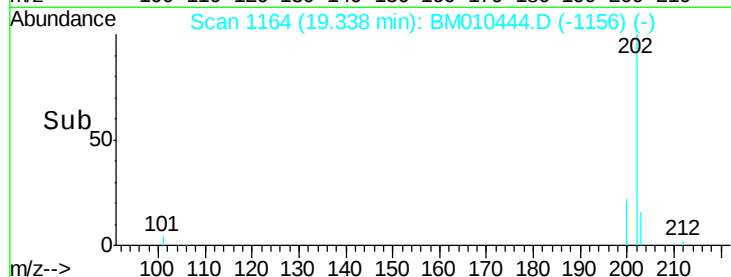
203 18.7 0.0 39.5



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: 0.46 ng/ul

RT: 19.70 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

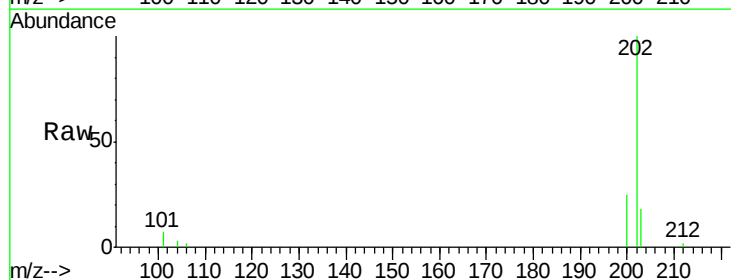
Tgt Ion:202 Resp: 4394

Ion Ratio Lower Upper

202 100

200 25.3 18.2 27.4

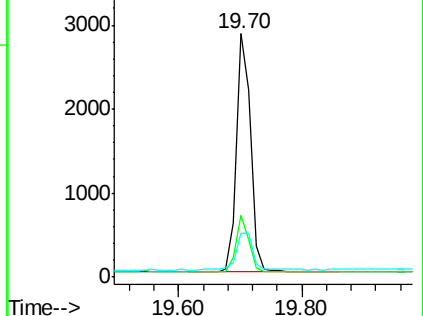
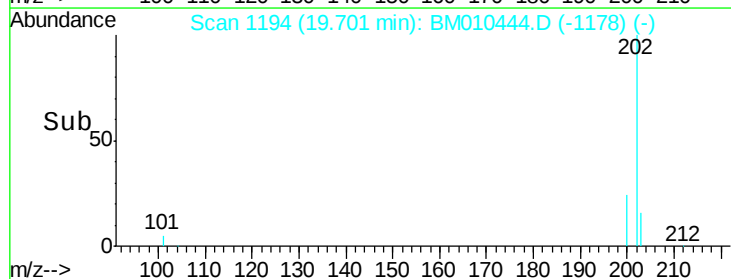
203 18.2 15.6 23.4

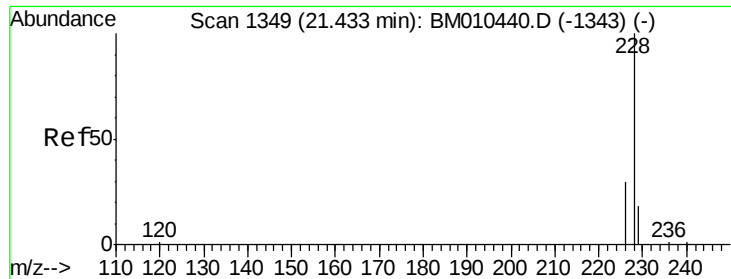


Abundance Ion 202.00 (201.70 to 202.70): E

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/ul

RT: 21.44 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

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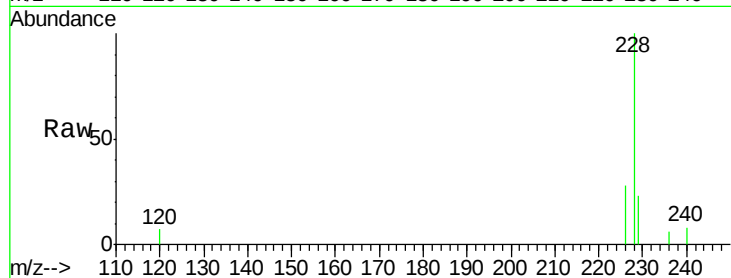
Tgt Ion:228 Resp: 3689

Ion Ratio Lower Upper

228 100

226 27.9 22.8 34.2

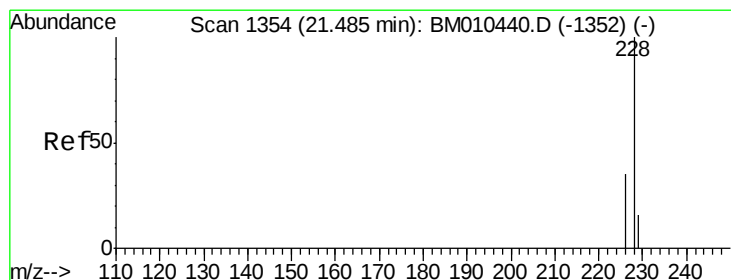
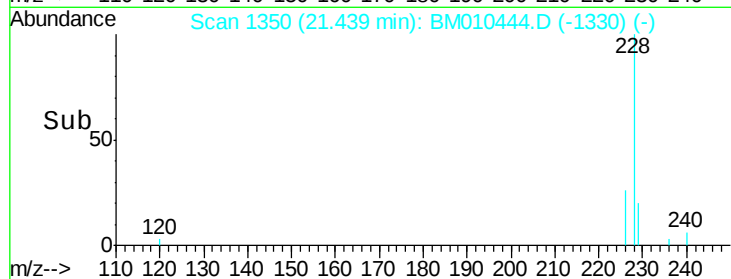
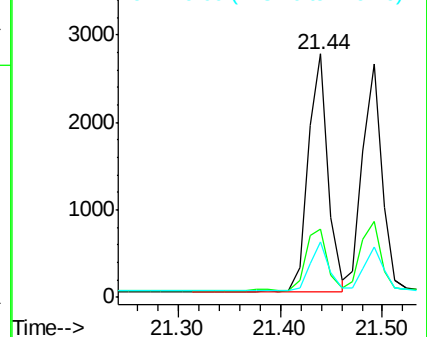
229 22.5 17.0 25.6



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: 0.40 ng/ul

RT: 21.49 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

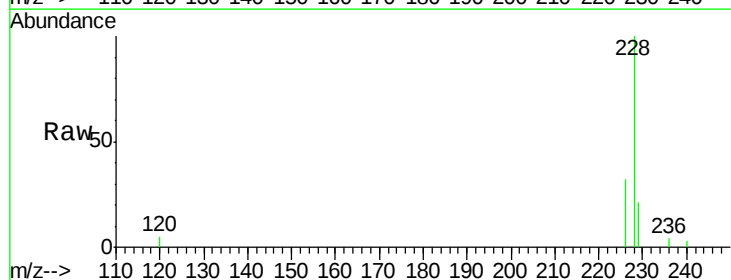
Tgt Ion:228 Resp: 3544

Ion Ratio Lower Upper

228 100

226 32.4 23.4 35.0

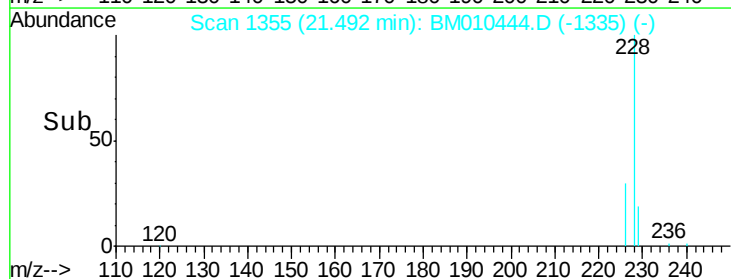
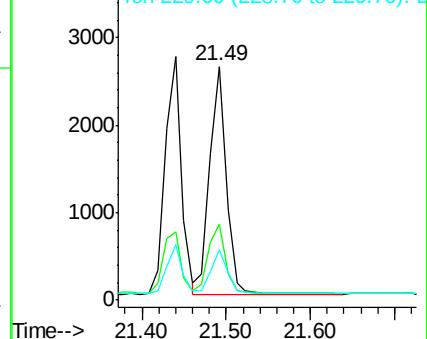
229 21.4 17.7 26.5

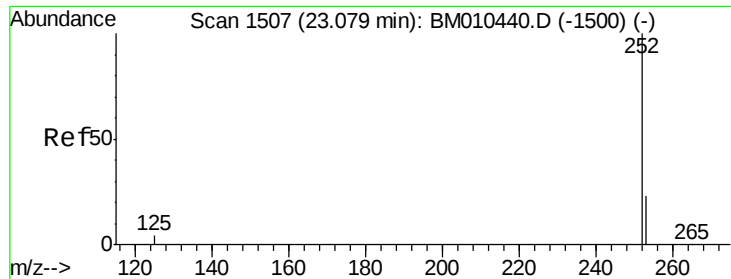


Abundance Ion 228.00 (227.70 to 228.70): E

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. -0.00 min

Lab File: BM010444.D

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SSTD0.423

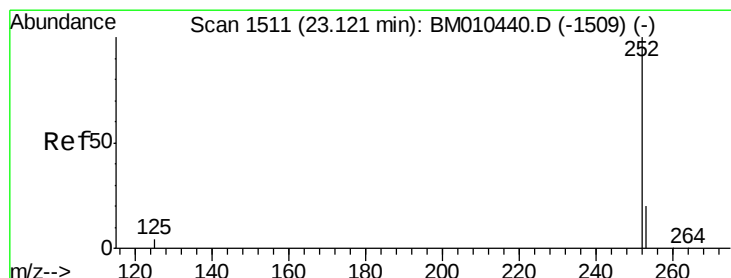
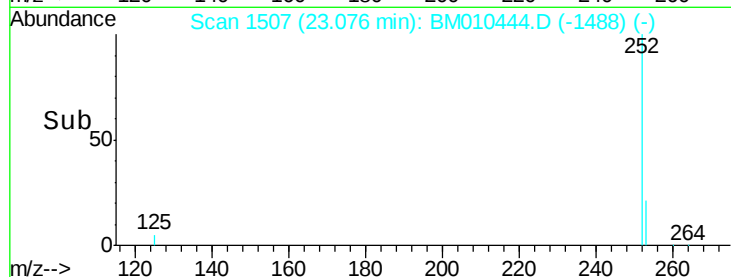
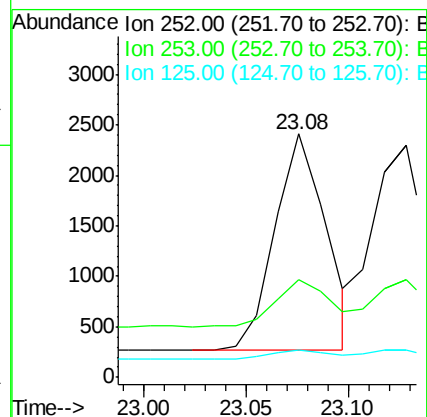
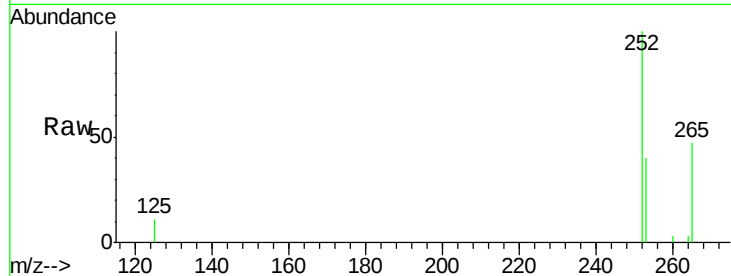
Tgt Ion:252 Resp: 3723

Ion Ratio Lower Upper

252 100

253 39.9 0.0 64.2

125 11.4 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 0.41 ng/u1

RT: 23.13 min Scan# 1512

Delta R.T. 0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

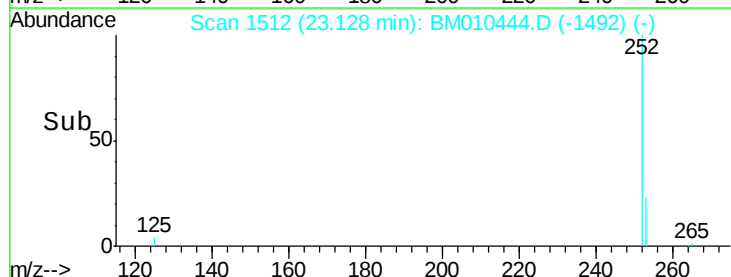
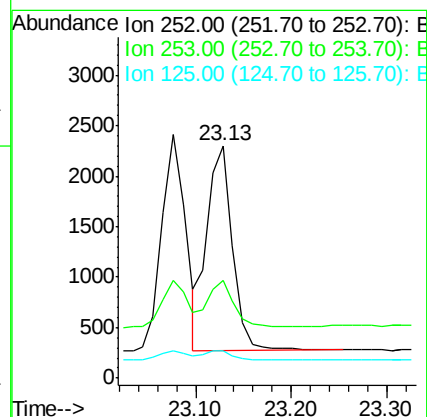
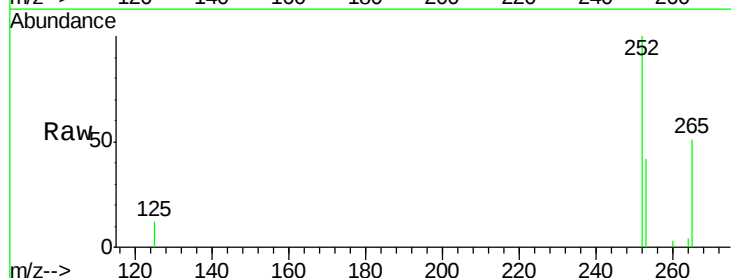
Tgt Ion:252 Resp: 3790

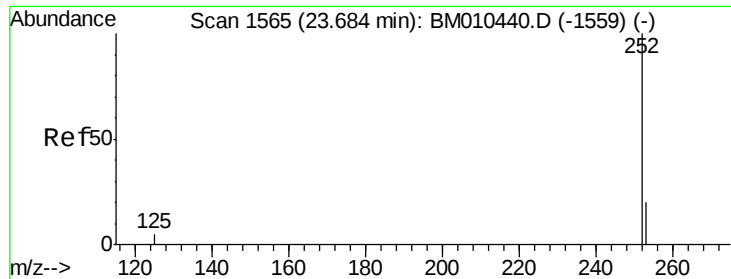
Ion Ratio Lower Upper

252 100

253 41.9 24.5 36.7#

125 11.8 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.69 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.423

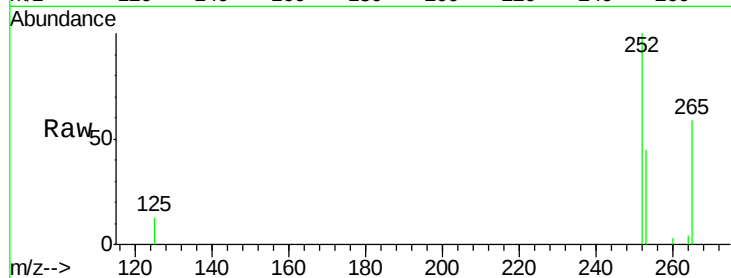
Tgt Ion:252 Resp: 3699

Ion Ratio Lower Upper

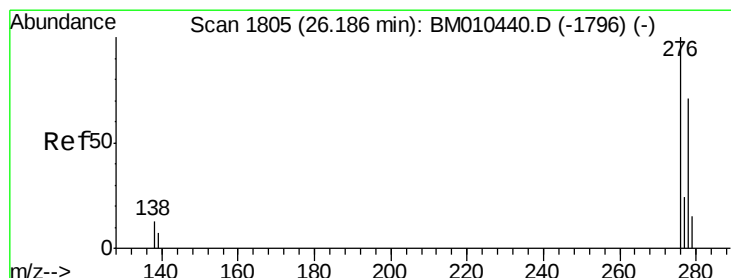
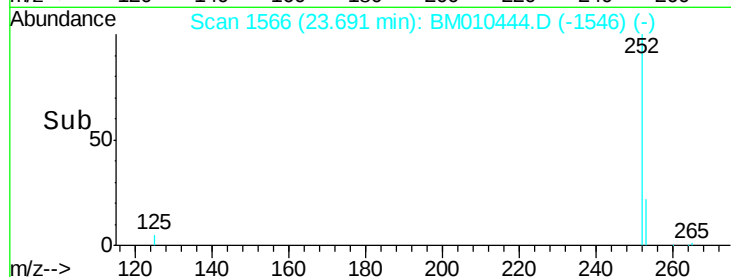
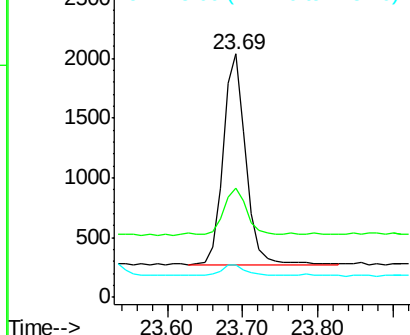
252 100

253 44.7 28.5 42.7#

125 13.3 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: 26.18 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BM010444.D

Acq: 07 Jun 2017 23:22

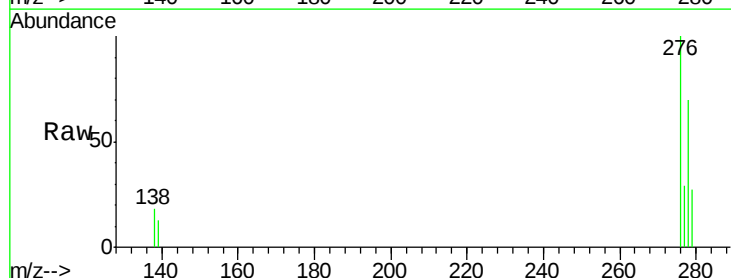
Tgt Ion:276 Resp: 4754

Ion Ratio Lower Upper

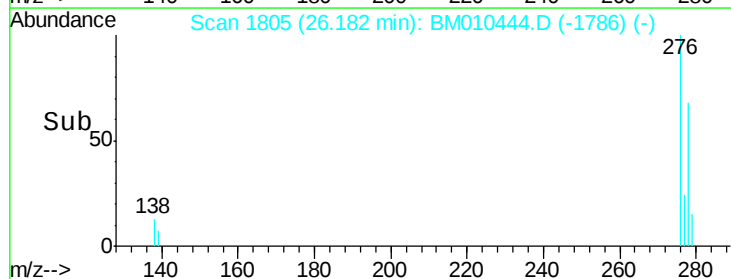
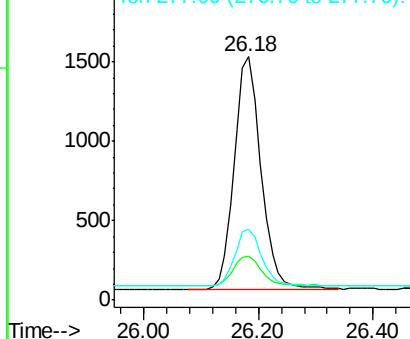
276 100

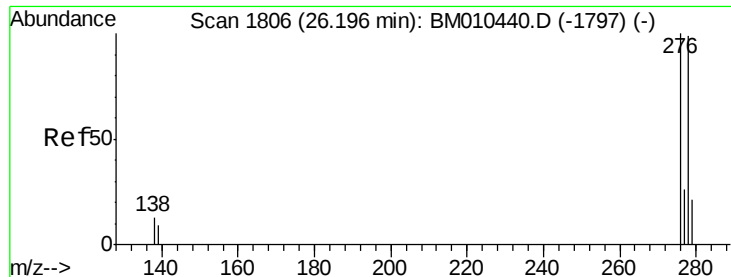
138 13.8 19.1 28.7#

277 25.2 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

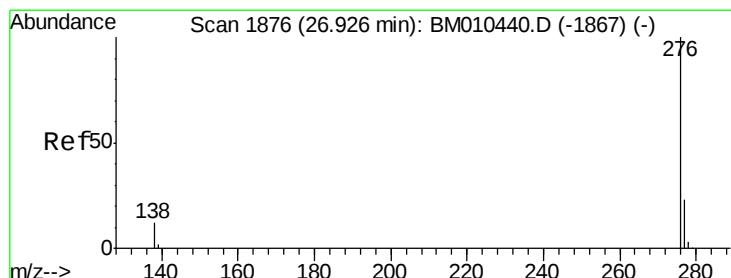
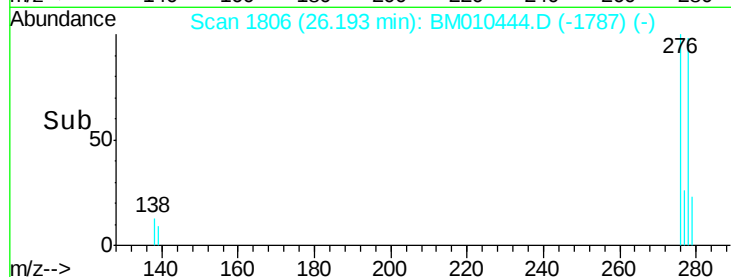
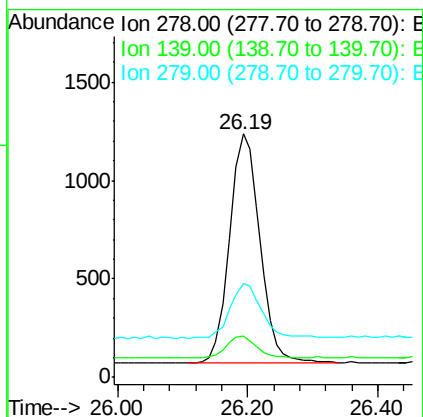
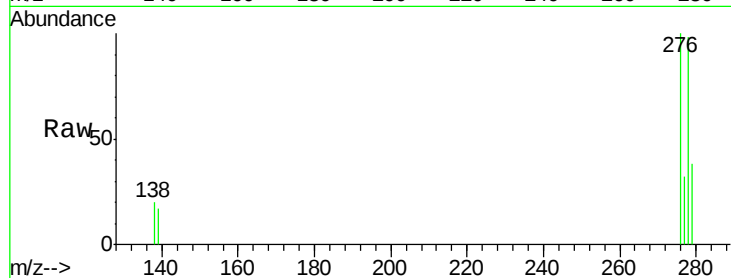




#25
Dibenzo(a,h)anthracene
Concen: 0.39 ng/ul
RT: 26.19 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BM010444.D
Acq: 07 Jun 2017 23:22

Instrument :
BNA_M
ClientSampleId :
SSTD0.423

Tgt Ion: 278 Resp: 3783
Ion Ratio Lower Upper
278 100
139 17.2 17.4 26.0#
279 38.3 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.93 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM010444.D
Acq: 07 Jun 2017 23:22

Tgt Ion: 276 Resp: 4046
Ion Ratio Lower Upper
276 100
277 29.0 21.8 32.8
138 17.9 20.5 30.7#

