

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008659.D
 Acq On : 25 Dec 2016 07:14
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.434

Quant Time: Dec 26 01:01:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 00:55:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	325	0.40	ng/ul	0.05
2) Naphthalene-d8	10.51	136	1366	0.40	ng/ul	0.04
6) Acenaphthene-d10	14.33	164	775	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.09	188	1388	0.40	ng/ul	0.02
16) Chrysene-d12	21.28	240	1417	0.40	ng/ul	0.01
20) Perylene-d12	23.51	264	1412	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	749	0.36	ng/ul	0.04
14) Fluoranthene-d10	19.11	212	1516	0.40	ng/ul	0.02

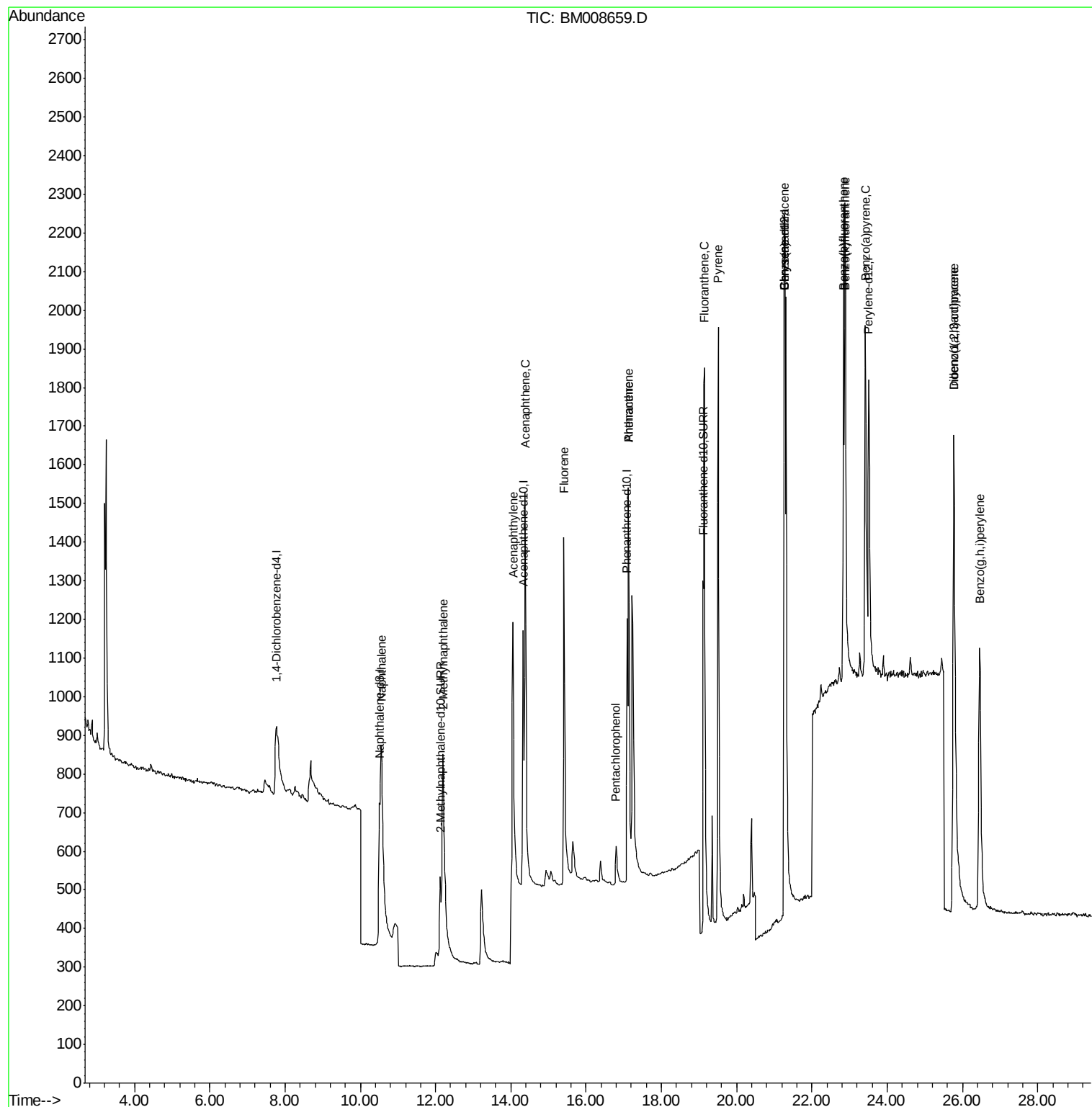
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	1461	0.38	ng/ul#	76
5) 2-Methylnaphthalene	12.19	142	884	0.34	ng/ul	92
7) Acenaphthylene	14.06	152	1493	0.43	ng/ul#	88
8) Acenaphthene	14.38	153	1064	0.40	ng/ul	94
9) Fluorene	15.41	166	1088	0.36	ng/ul#	92
11) Pentachlorophenol	16.80	266	147	0.34	ng/ul	93
12) Phenanthrene	17.12	178	1634	0.39	ng/ul#	93
13) Anthracene	17.12	178	1624	0.39	ng/ul	94
15) Fluoranthene	19.15	202	2169	0.42	ng/ul	94
17) Pyrene	19.51	202	2317	0.42	ng/ul	95
18) Benzo(a)anthracene	21.27	228	1788	0.38	ng/ul	93
19) Chrysene	21.27	228	1788	0.35	ng/ul	94
21) Benzo(b)fluoranthene	22.84	252	1967	0.35	ng/ul	94
22) Benzo(k)fluoranthene	22.88	252	2301	0.42	ng/ul	94
23) Benzo(a)pyrene	23.42	252	2095	0.41	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.77	276	2331	0.38	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.77	278	1844	0.38	ng/ul#	82
26) Benzo(g,h,i)perylene	26.46	276	2052	0.39	ng/ul#	93

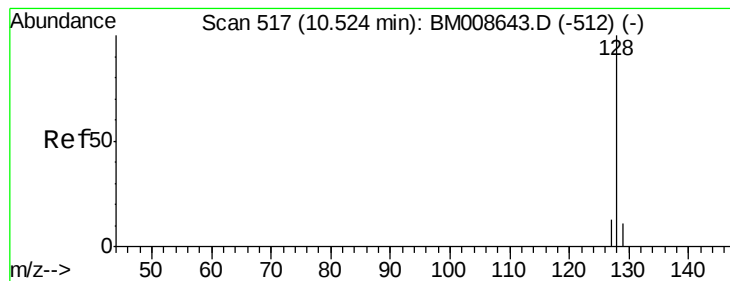
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. 0.04 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

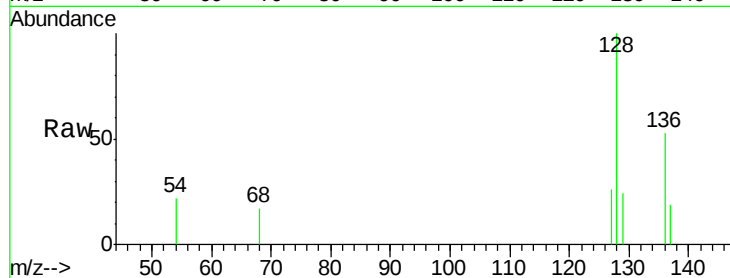
Tgt Ion:128 Resp: 1461

Ion Ratio Lower Upper

128 100

129 24.0 11.3 16.9#

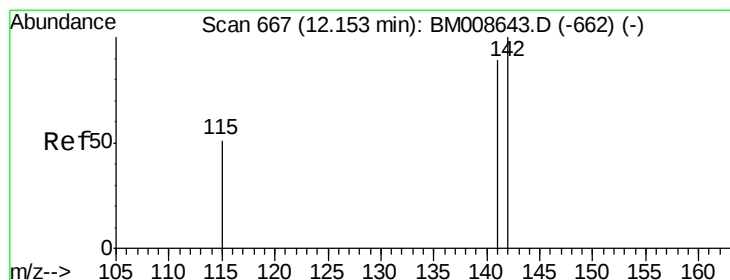
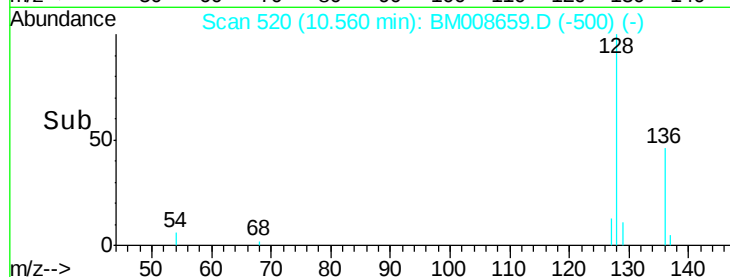
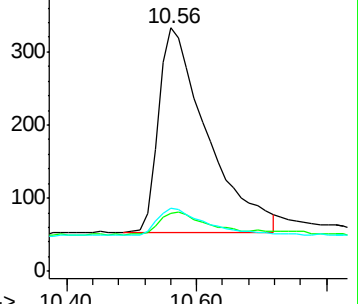
127 25.8 12.8 19.2#



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: 0.34 ng/ul

RT: 12.19 min Scan# 671

Delta R.T. 0.04 min

Lab File: BM008659.D

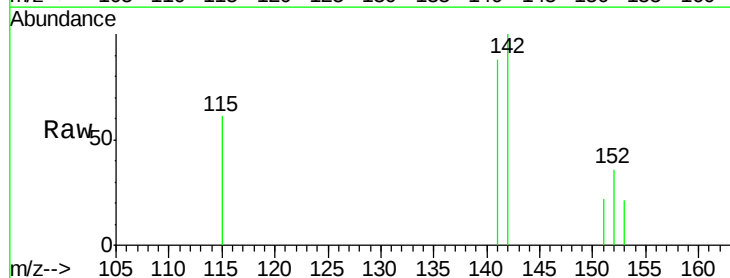
Acq: 25 Dec 2016 07:14

Tgt Ion:142 Resp: 884

Ion Ratio Lower Upper

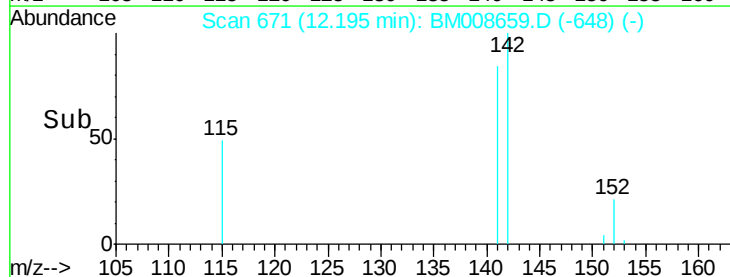
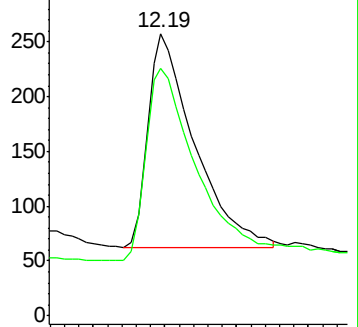
142 100

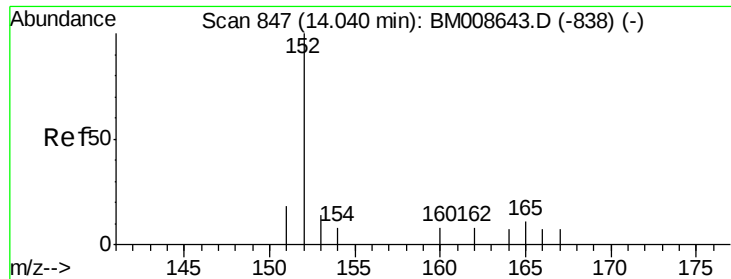
141 98.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

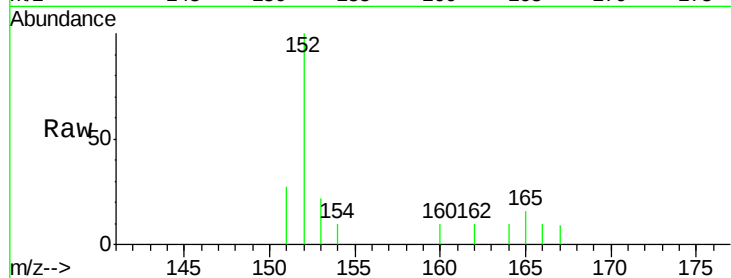
Tgt Ion:152 Resp: 1493

Ion Ratio Lower Upper

152 100

151 26.9 17.1 25.7#

153 21.7 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

14.06

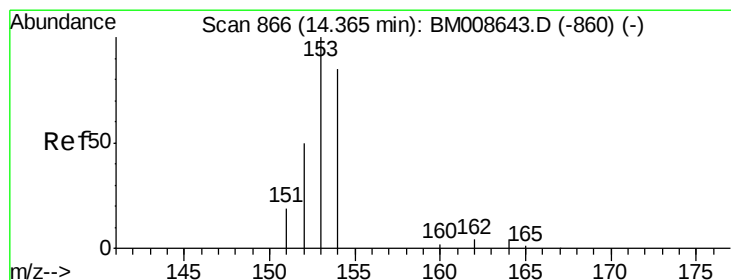
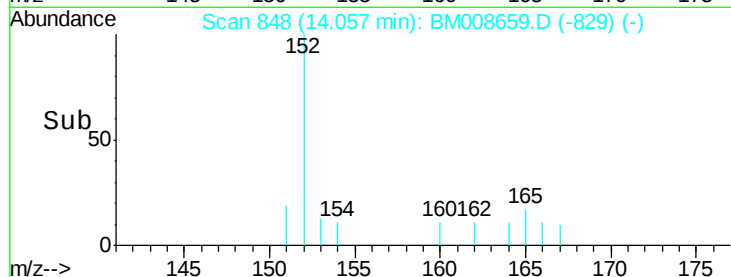
600

400

200

0

Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

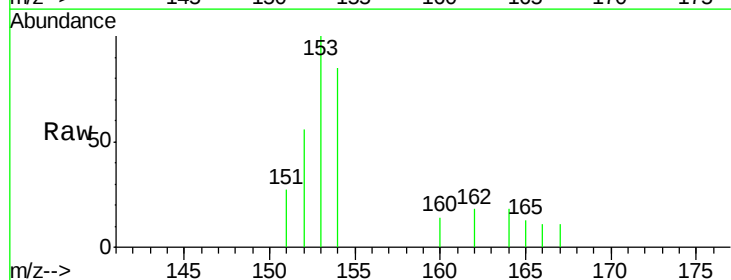
Tgt Ion:153 Resp: 1064

Ion Ratio Lower Upper

153 100

152 55.9 40.3 60.5

154 85.2 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

14.38

600

500

400

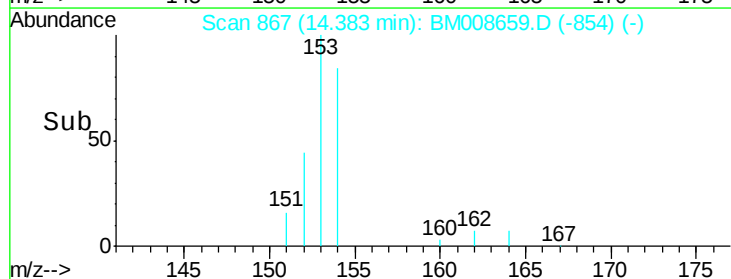
300

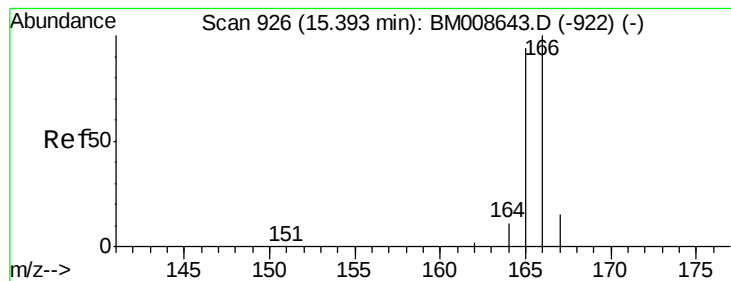
200

100

0

Time--> 14.20 14.40





#9

Fluorene

Concen: 0.36 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

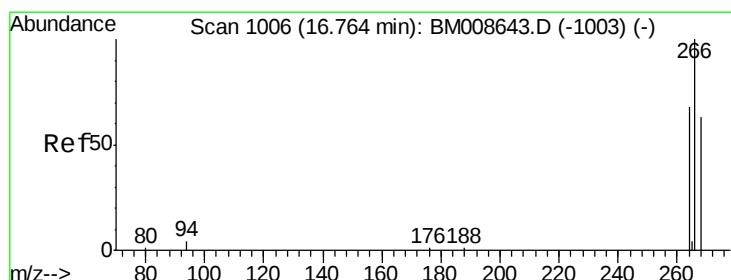
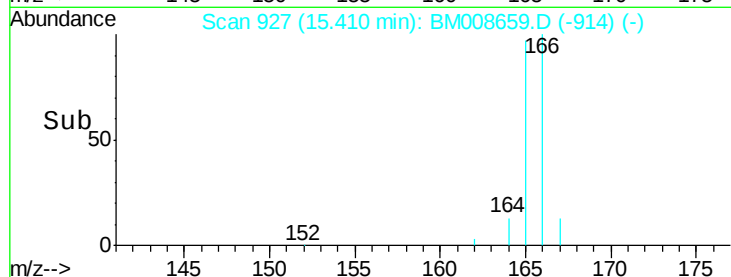
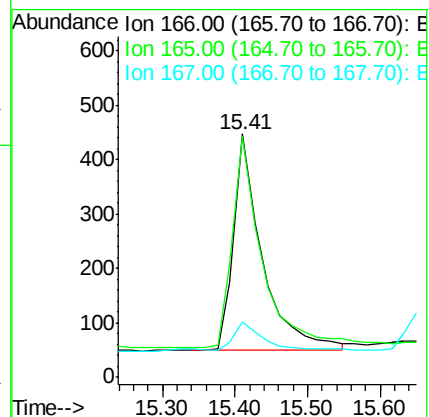
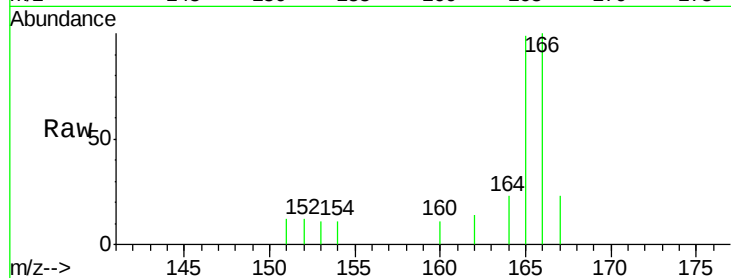
Tgt Ion:166 Resp: 1088

Ion Ratio Lower Upper

166 100

165 98.9 73.4 110.2

167 22.8 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.34 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.03 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

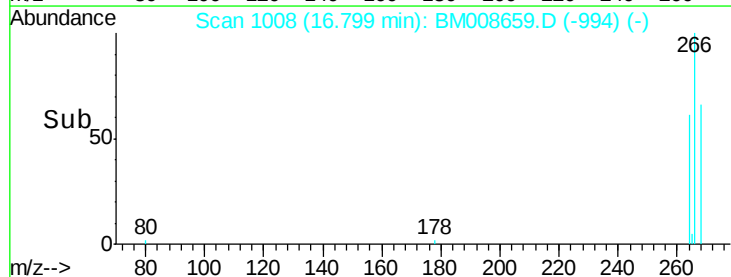
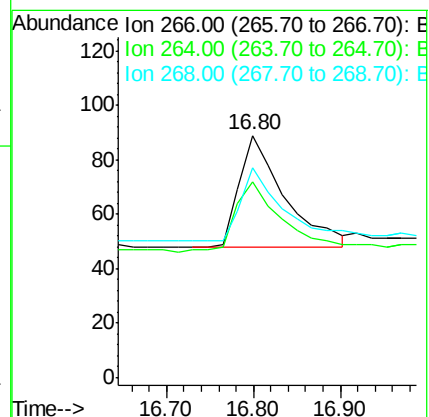
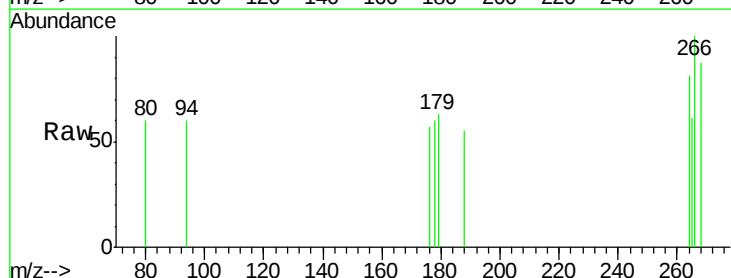
Tgt Ion:266 Resp: 147

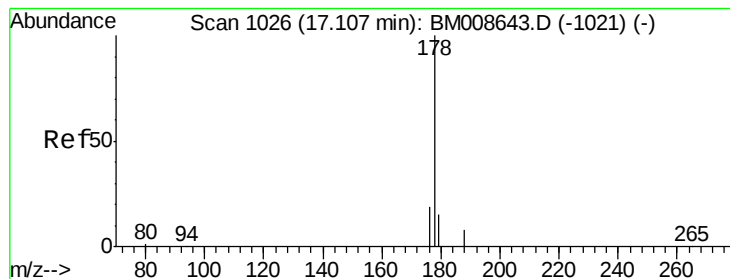
Ion Ratio Lower Upper

266 100

264 68.0 47.9 71.9

268 64.6 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

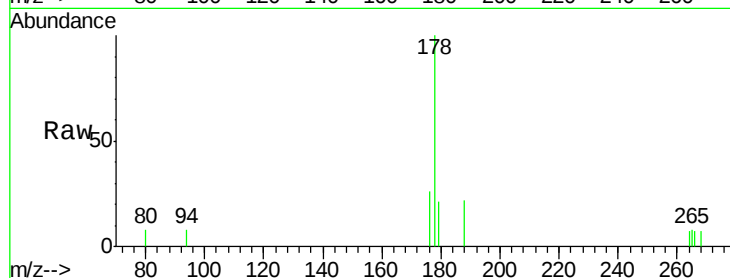
Tgt Ion:178 Resp: 1634

Ion Ratio Lower Upper

178 100

176 25.8 18.4 27.6

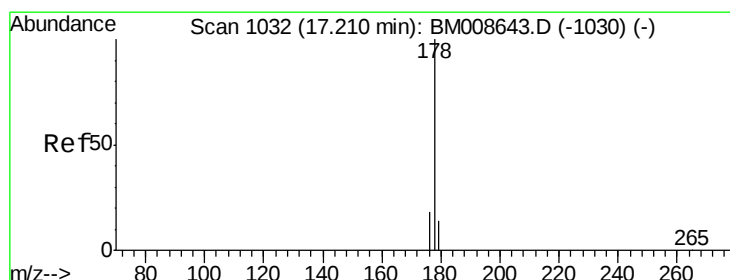
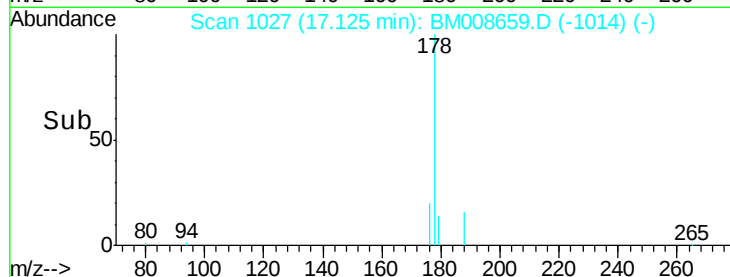
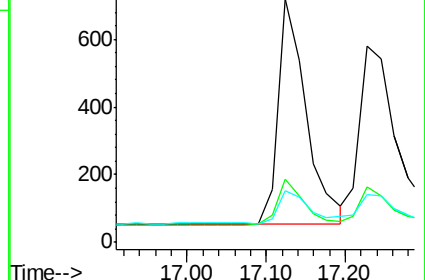
179 21.0 13.6 20.4#



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: 0.39 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.09 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

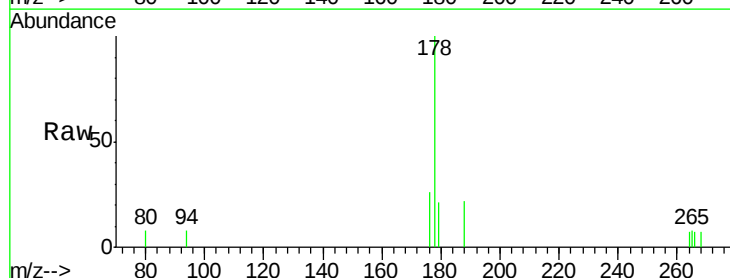
Tgt Ion:178 Resp: 1624

Ion Ratio Lower Upper

178 100

176 25.8 18.1 27.1

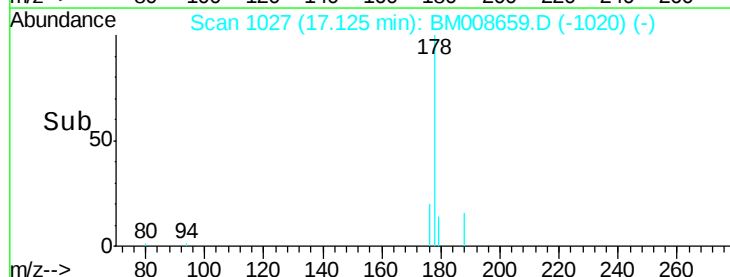
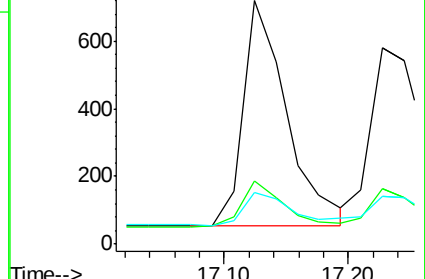
179 21.0 14.7 22.1

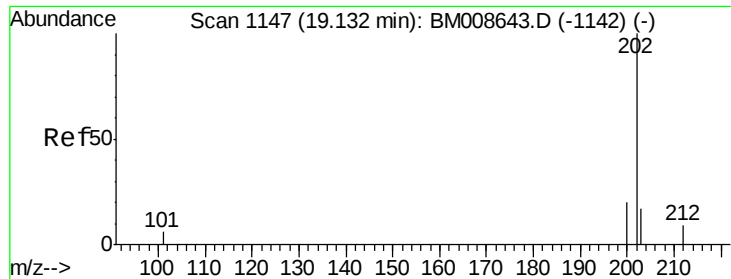


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

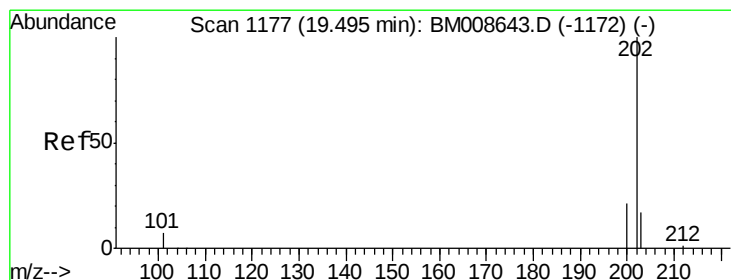
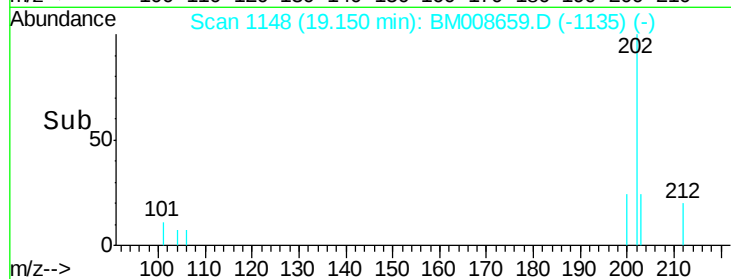
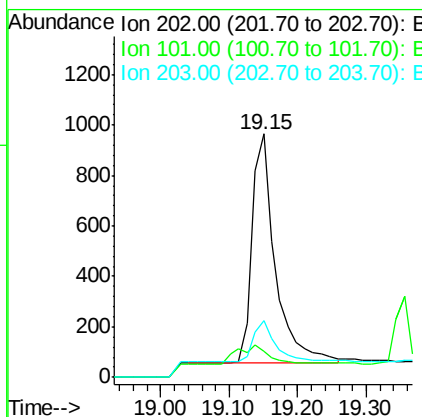
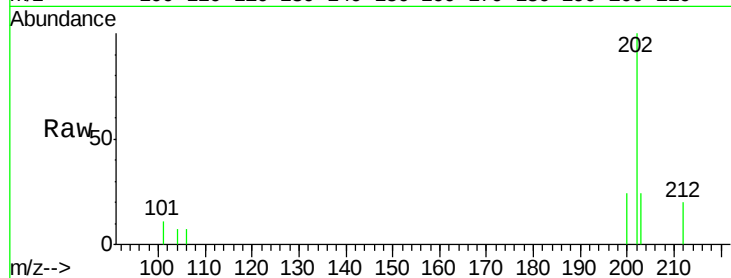




#15
Fluoranthene
 Concen: 0.42 ng/ul
 RT: 19.15 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: BM008659.D
 Acq: 25 Dec 2016 07:14

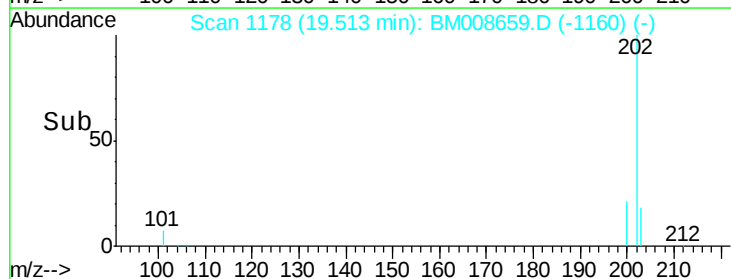
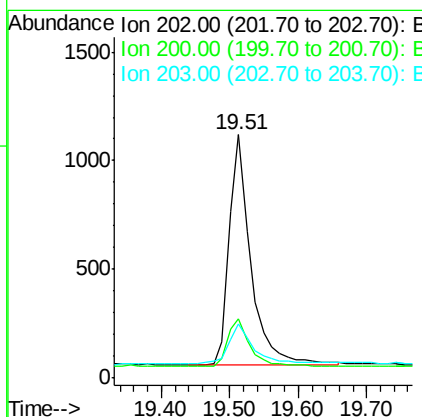
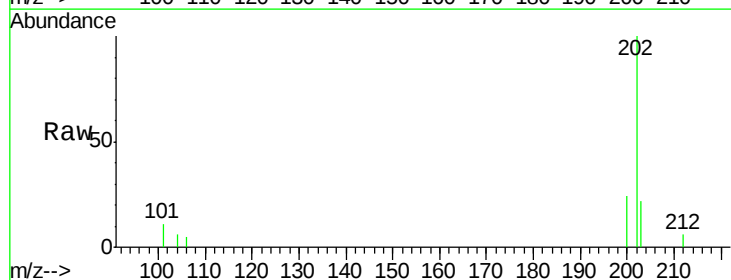
Instrument :
 BNA_M
 ClientSampleId :
 SST0.434

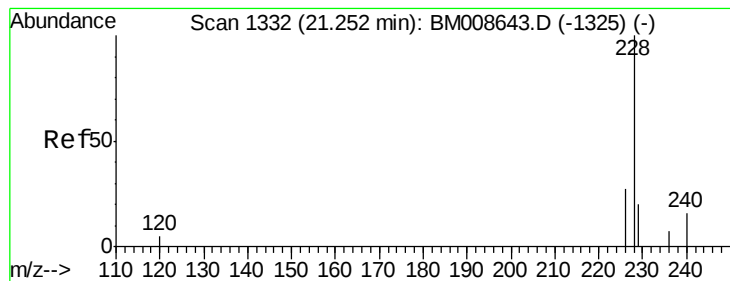
Tgt Ion:202 Resp: 2169
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 30.3
 203 23.5 0.0 39.5



#17
Pyrene
 Concen: 0.42 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. 0.02 min
 Lab File: BM008659.D
 Acq: 25 Dec 2016 07:14

Tgt Ion:202 Resp: 2317
 Ion Ratio Lower Upper
 202 100
 200 24.2 18.2 27.4
 203 22.4 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

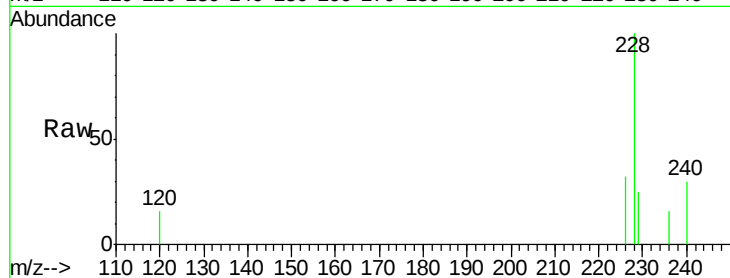
Tgt Ion:228 Resp: 1788

Ion Ratio Lower Upper

228 100

226 32.2 22.8 34.2

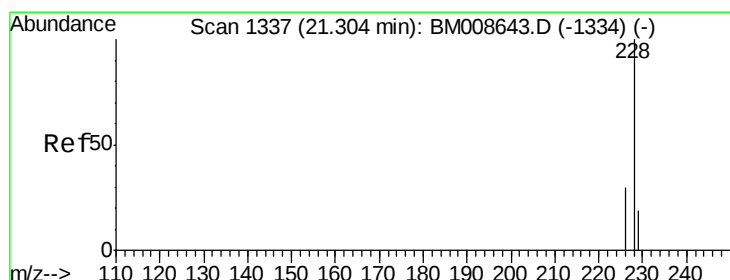
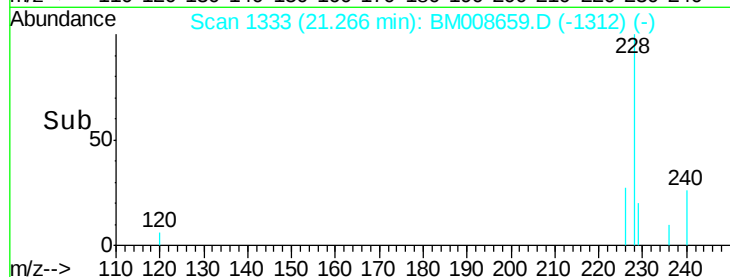
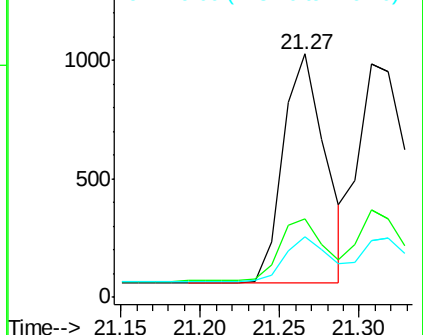
229 24.9 17.0 25.6



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: 0.35 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.04 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

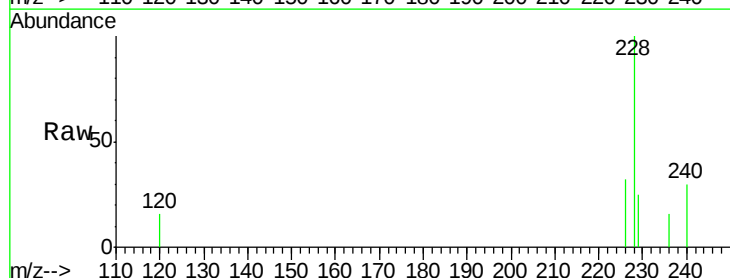
Tgt Ion:228 Resp: 1788

Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

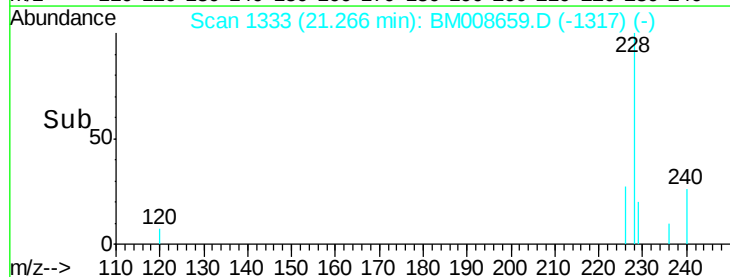
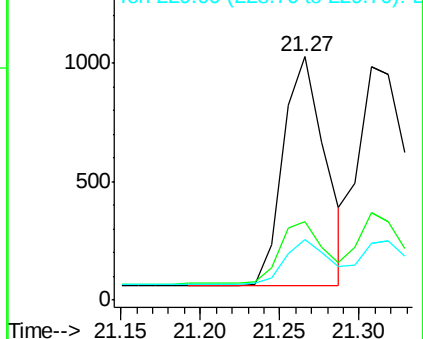
229 24.9 17.7 26.5

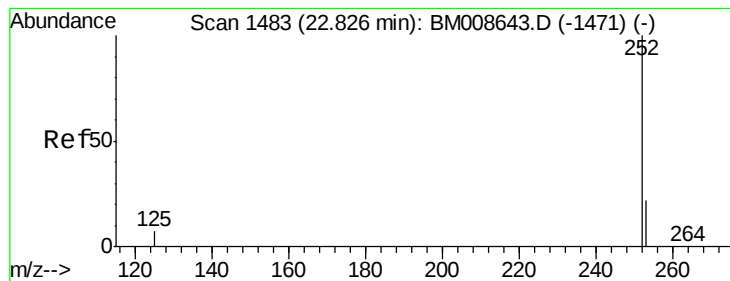


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

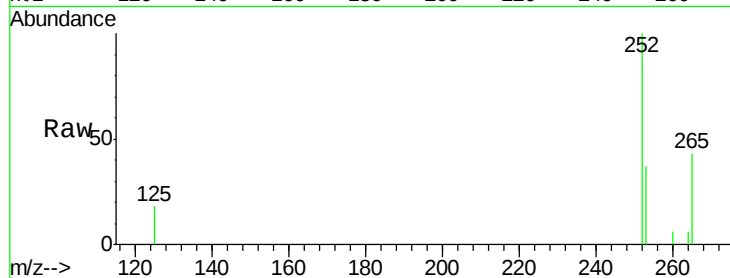
Tgt Ion:252 Resp: 1967

Ion Ratio Lower Upper

252 100

253 36.8 0.0 64.2

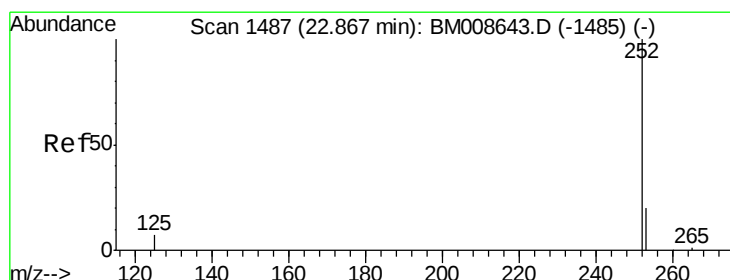
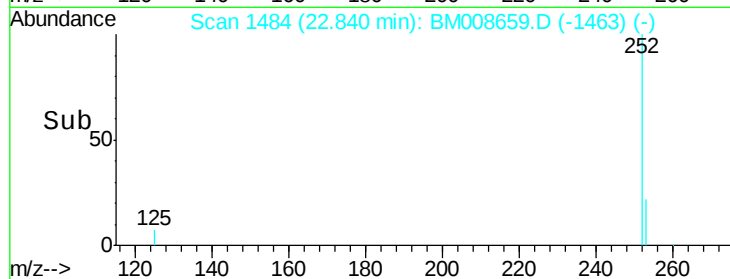
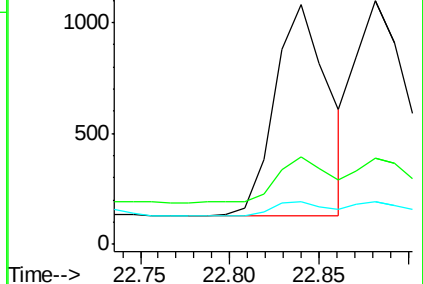
125 17.9 0.0 35.0



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: 0.42 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

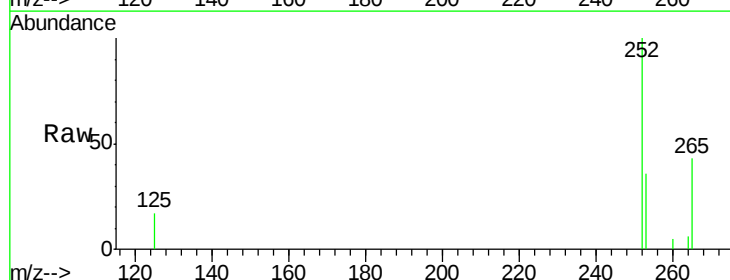
Tgt Ion:252 Resp: 2301

Ion Ratio Lower Upper

252 100

253 35.6 24.5 36.7

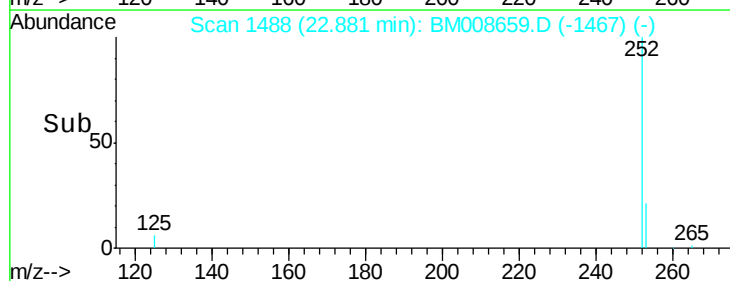
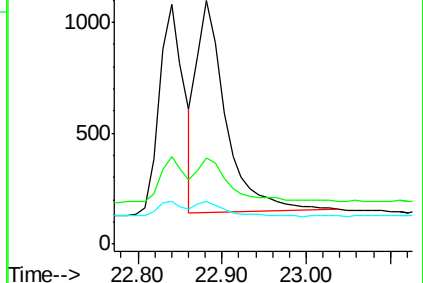
125 17.4 13.7 20.5

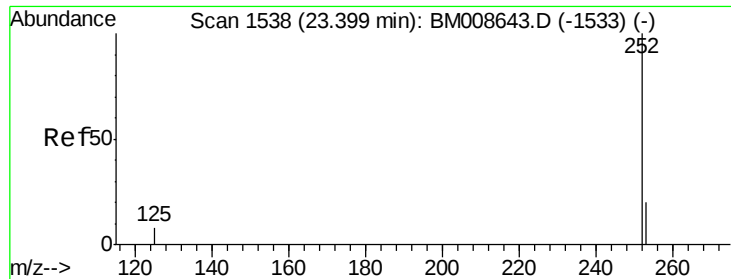


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.434

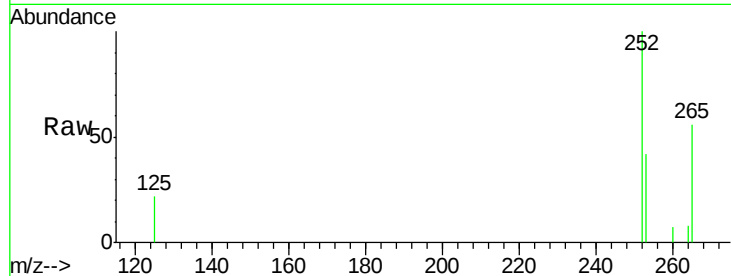
Tgt Ion:252 Resp: 2095

Ion Ratio Lower Upper

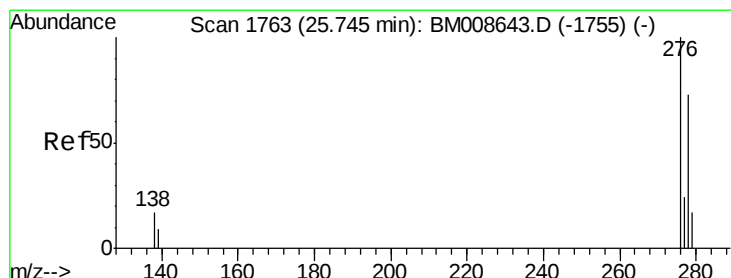
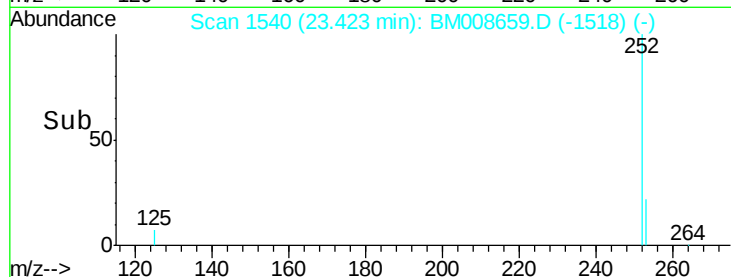
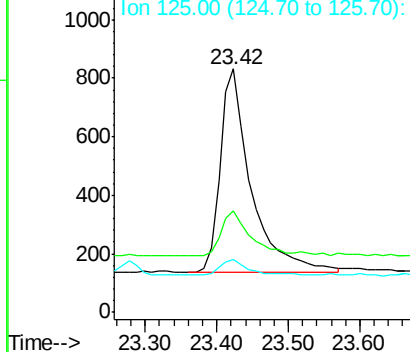
252 100

253 41.8 28.5 42.7

125 21.6 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: 0.38 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. 0.02 min

Lab File: BM008659.D

Acq: 25 Dec 2016 07:14

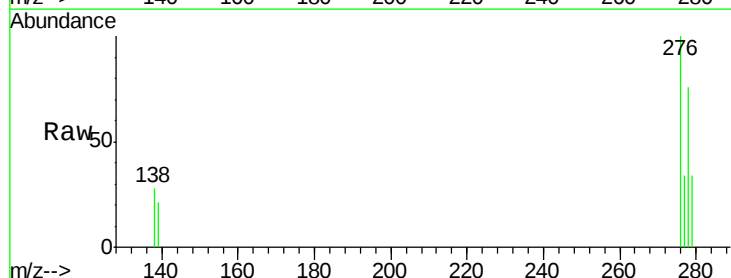
Tgt Ion:276 Resp: 2331

Ion Ratio Lower Upper

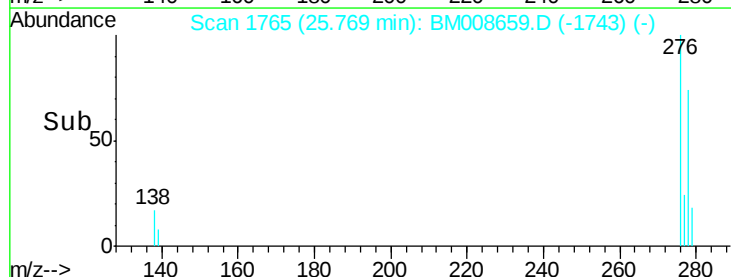
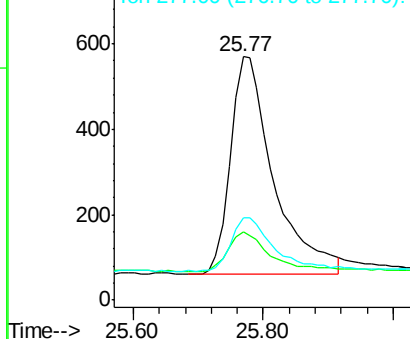
276 100

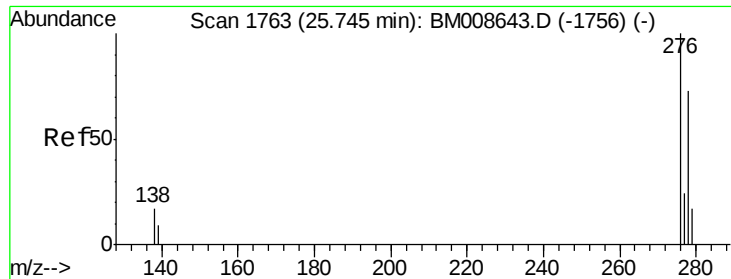
138 17.9 19.1 28.7#

277 25.1 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

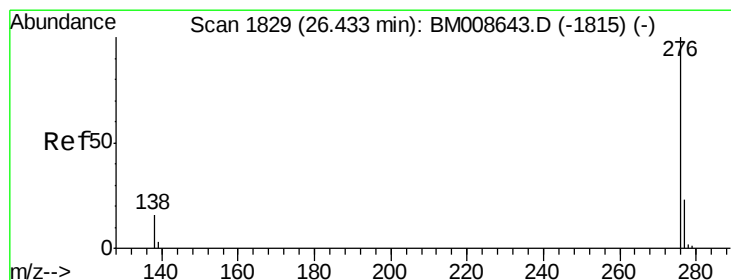
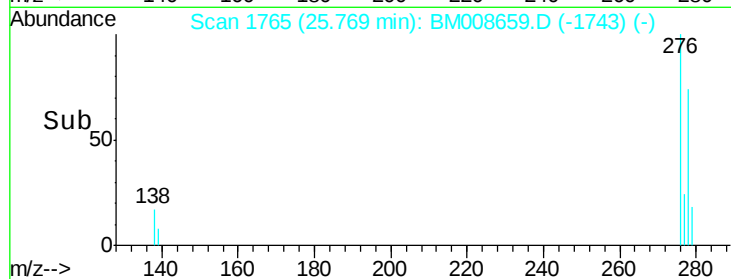
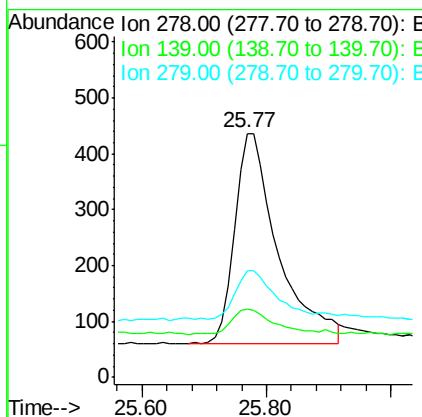
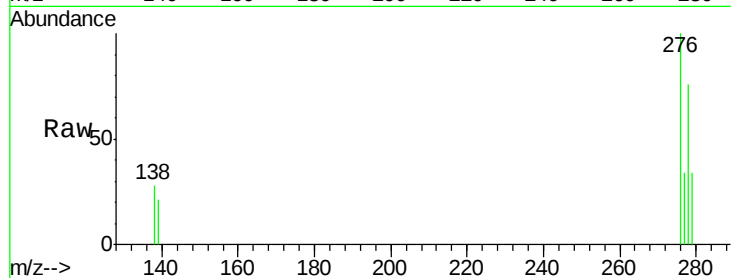




#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. 0.02 min
Lab File: BM008659.D
Acq: 25 Dec 2016 07:14

Instrument :
BNA_M
ClientSampleId :
SSTD0.434

Tgt Ion: 278 Resp: 1844
Ion Ratio Lower Upper
278 100
139 28.0 17.4 26.0#
279 44.0 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.46 min Scan# 1831
Delta R.T. 0.02 min
Lab File: BM008659.D
Acq: 25 Dec 2016 07:14

Tgt Ion: 276 Resp: 2052
Ion Ratio Lower Upper
276 100
277 33.4 21.8 32.8#
138 26.2 20.5 30.7

