

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122016\
 Data File : BM008490.D
 Acq On : 20 Dec 2016 21:42
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.451

Quant Time: Dec 21 10:25:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 02:43:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	311	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	1132	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	625	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1133	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	1046	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1051	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	648	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	1732	0.56	ng/ul	0.00

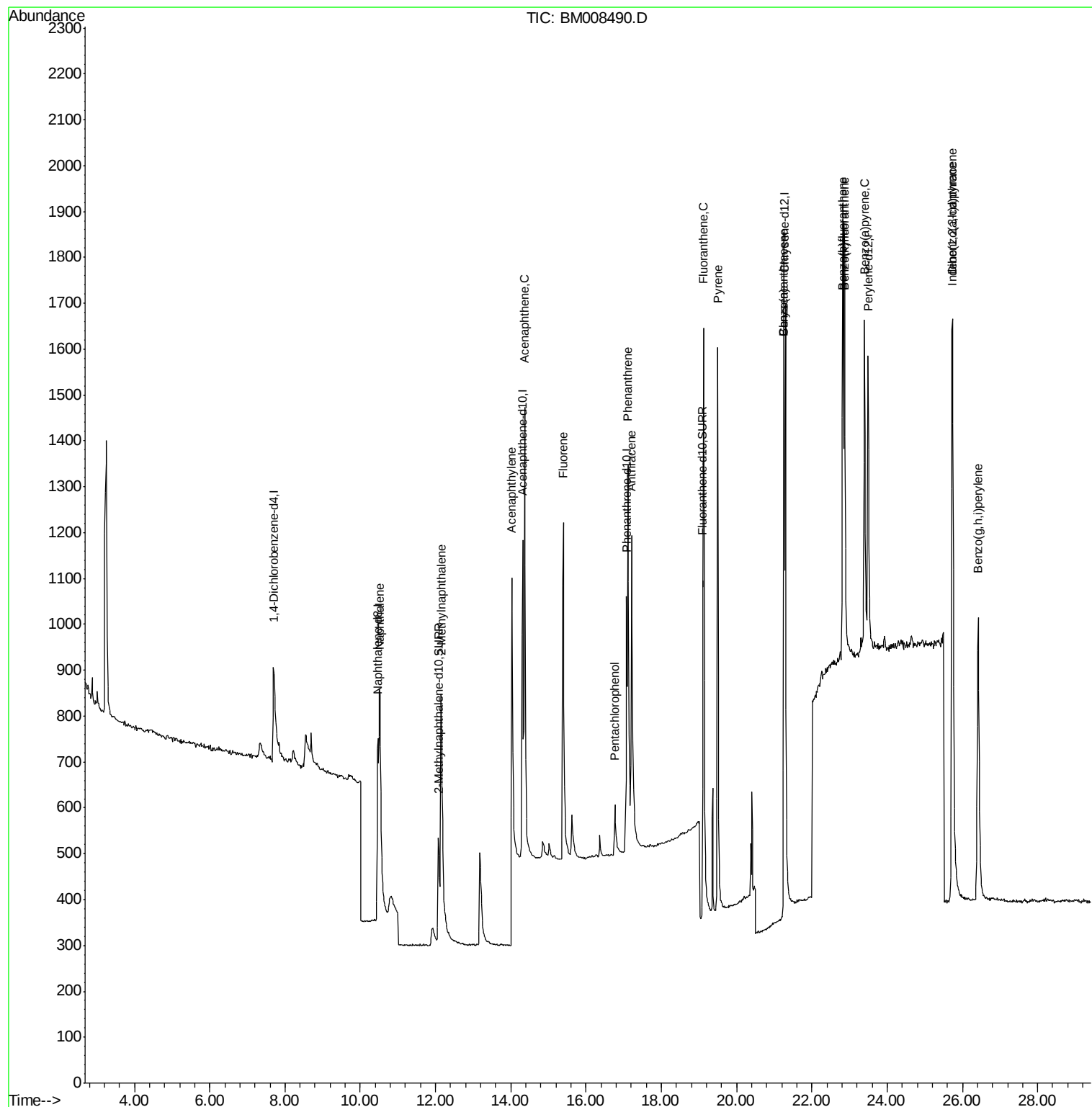
Target Compounds						Qvalue
3) Naphthalene	10.52	128	1256	0.39	ng/ul#	80
5) 2-Methylnaphthalene	12.15	142	798	0.37	ng/ul	95
7) Acenaphthylene	14.02	152	1181	0.42	ng/ul#	86
8) Acenaphthene	14.37	153	858	0.40	ng/ul	93
9) Fluorene	15.39	166	941	0.39	ng/ul#	93
11) Pentachlorophenol	16.76	266	157	0.45	ng/ul	96
12) Phenanthrene	17.11	178	1331	0.38	ng/ul#	91
13) Anthracene	17.21	178	1330	0.40	ng/ul#	89
15) Fluoranthene	19.13	202	1738	0.41	ng/ul	92
17) Pyrene	19.50	202	1764	0.44	ng/ul#	95
18) Benzo(a)anthracene	21.24	228	1387	0.40	ng/ul#	92
19) Chrysene	21.24	228	1387	0.37	ng/ul	93
21) Benzo(b)fluoranthene	22.82	252	1436	0.35	ng/ul	94
22) Benzo(k)fluoranthene	22.86	252	1678	0.42	ng/ul#	91
23) Benzo(a)pyrene	23.39	252	1544	0.40	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.73	276	1893	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.74	278	1503	0.41	ng/ul#	87
26) Benzo(g,h,i)perylene	26.42	276	1676	0.43	ng/ul#	94

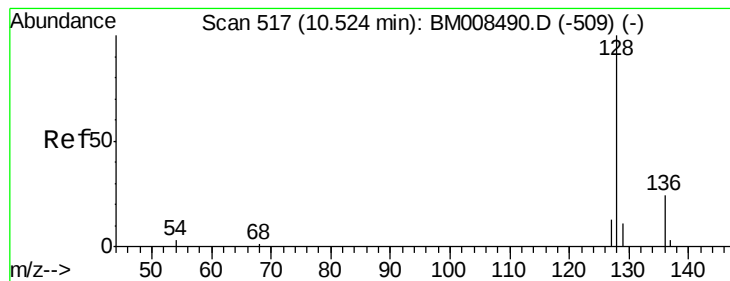
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

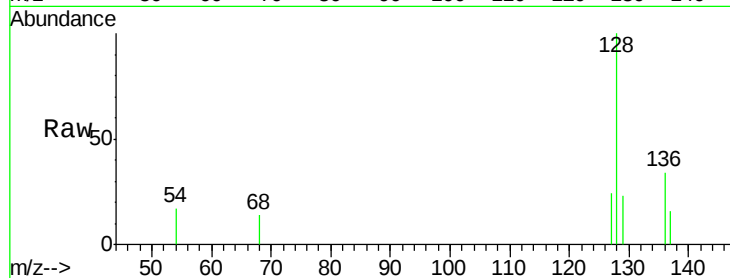
Tgt Ion:128 Resp: 1256

Ion Ratio Lower Upper

128 100

129 22.8 11.3 16.9#

127 23.9 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

500

400

300

200

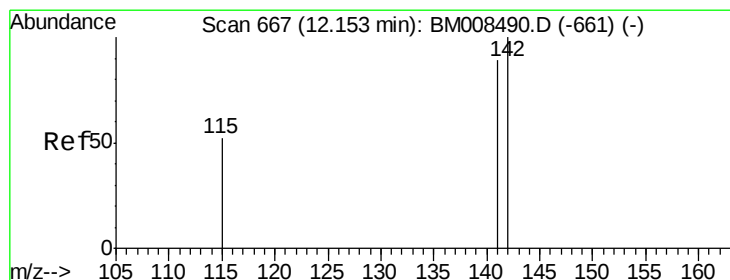
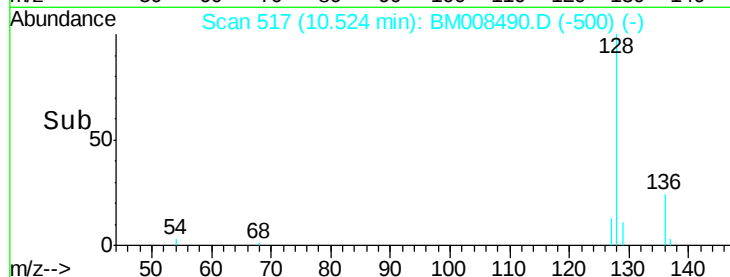
100

0

10.40

10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM008490.D

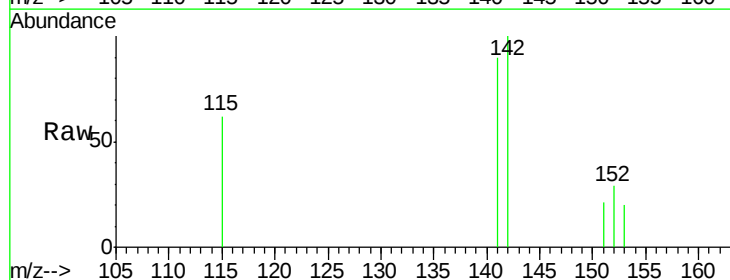
Acq: 20 Dec 2016 21:42

Tgt Ion:142 Resp: 798

Ion Ratio Lower Upper

142 100

141 95.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

300

250

200

150

100

50

0

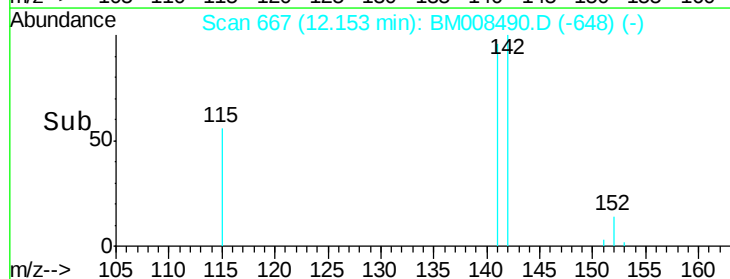
12.00

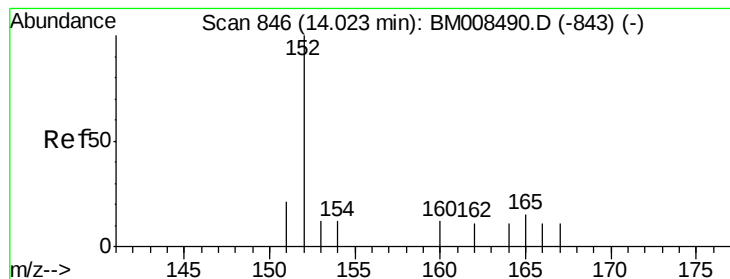
12.10

12.20

12.30

Time-->





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

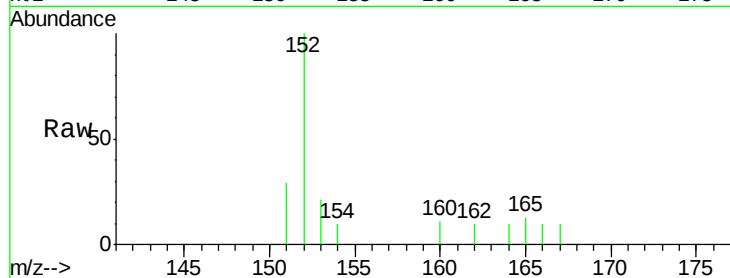
Tgt Ion:152 Resp: 1181

Ion Ratio Lower Upper

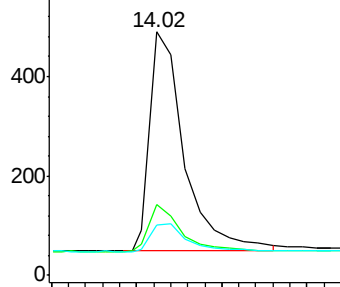
152 100

151 29.0 17.1 25.7#

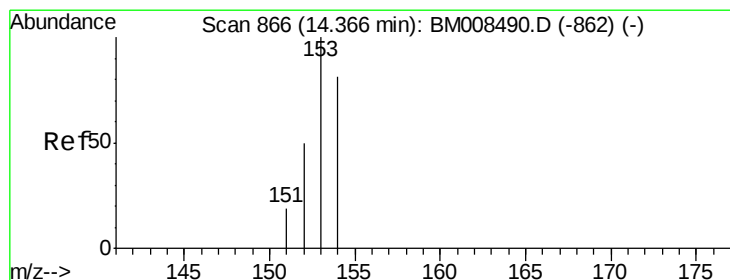
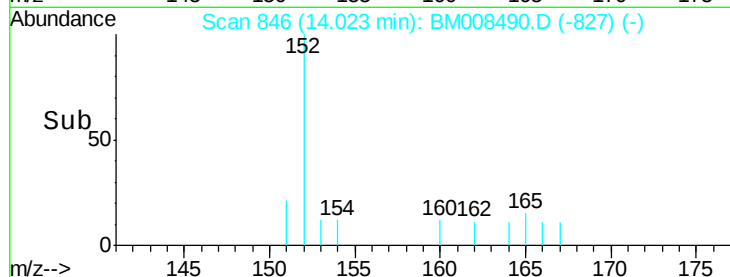
153 20.6 12.8 19.2#



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



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

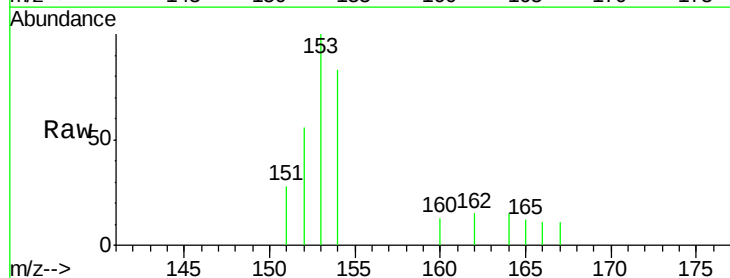
Tgt Ion:153 Resp: 858

Ion Ratio Lower Upper

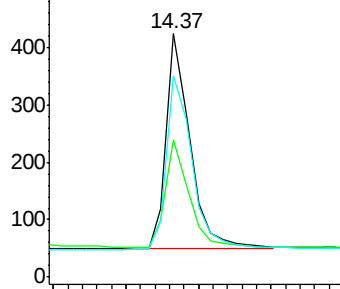
153 100

152 56.2 40.3 60.5

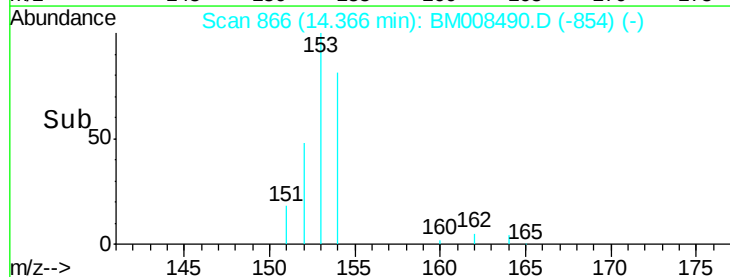
154 82.8 71.4 107.2

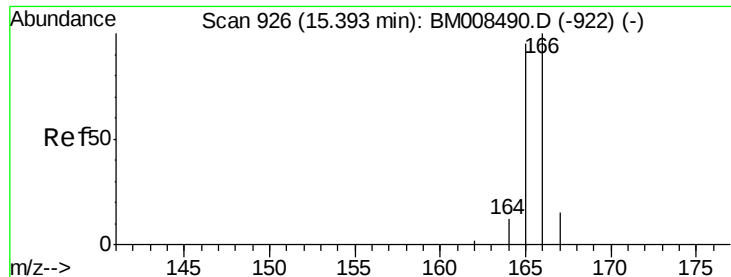


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.30 14.40 14.50





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

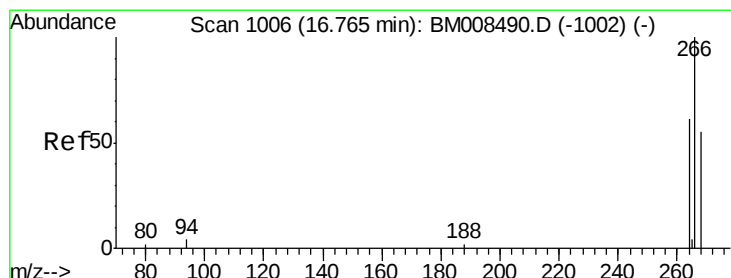
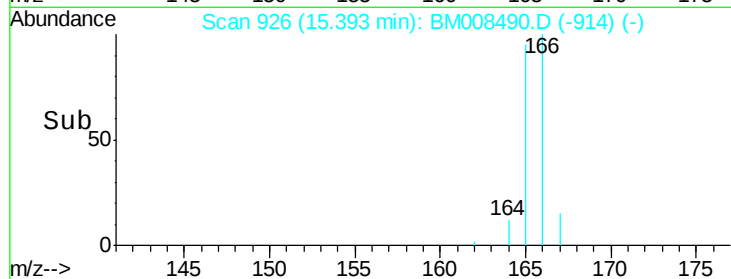
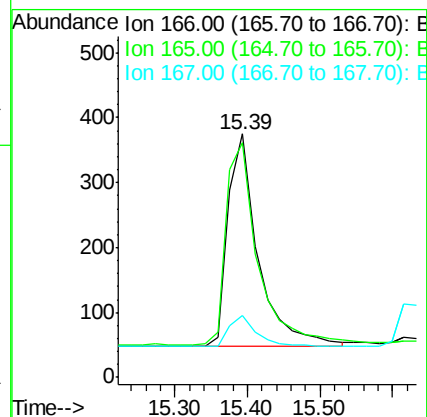
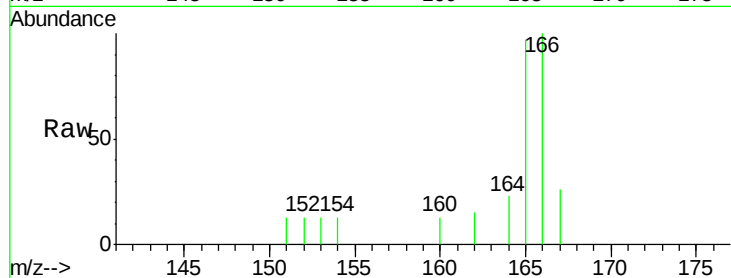
Tgt Ion:166 Resp: 941

Ion Ratio Lower Upper

166 100

165 96.5 73.4 110.2

167 25.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.45 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

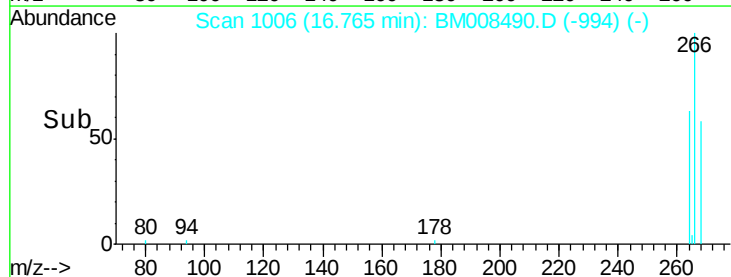
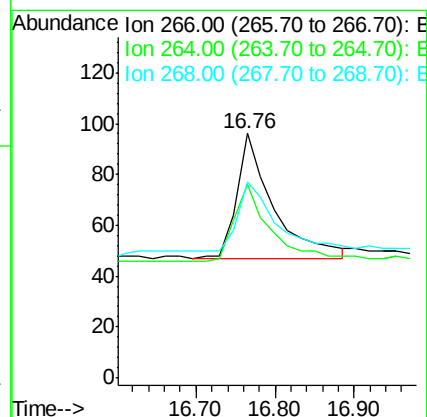
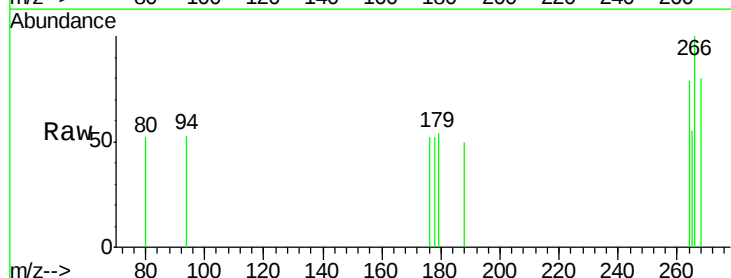
Tgt Ion:266 Resp: 157

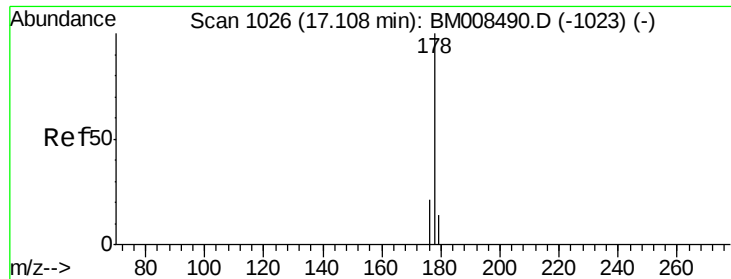
Ion Ratio Lower Upper

266 100

264 61.1 47.9 71.9

268 58.0 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

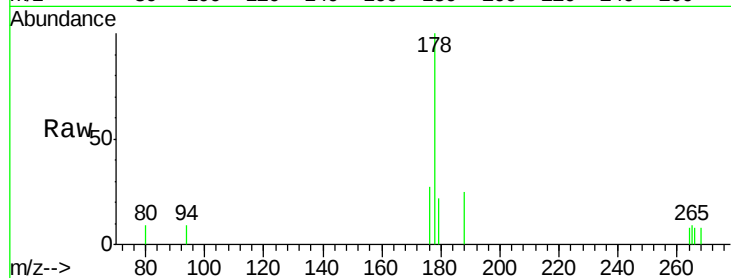
Tgt Ion:178 Resp: 1331

Ion Ratio Lower Upper

178 100

176 27.2 18.4 27.6

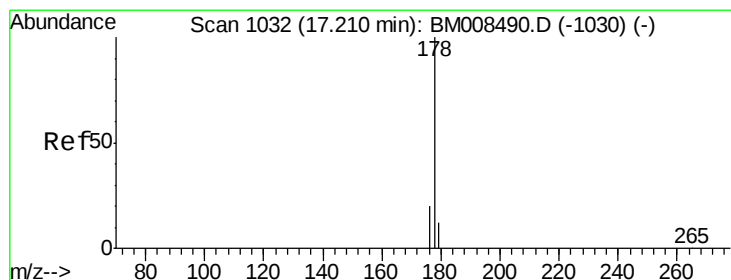
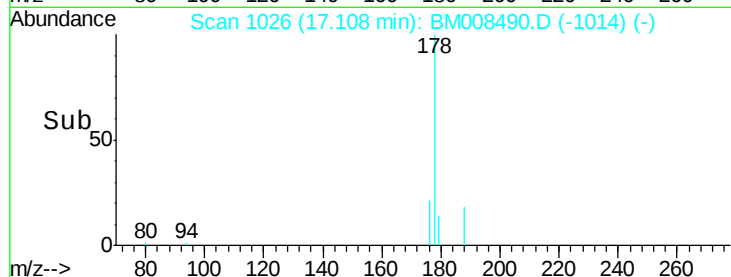
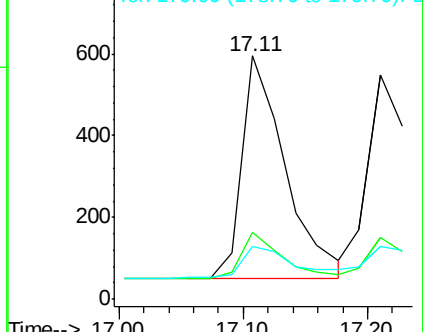
179 21.5 13.6 20.4#



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: 0.40 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

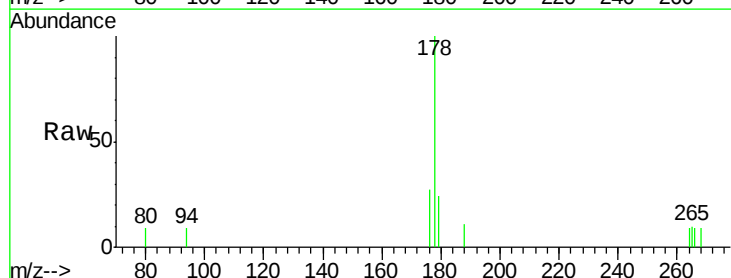
Tgt Ion:178 Resp: 1330

Ion Ratio Lower Upper

178 100

176 27.4 18.1 27.1#

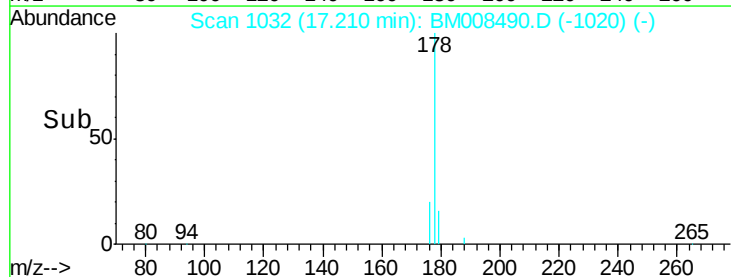
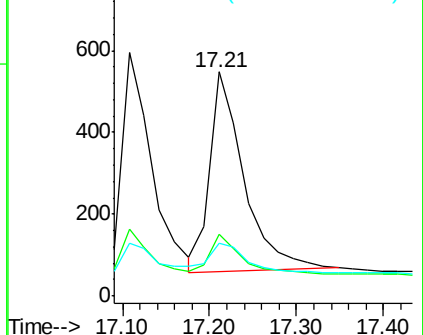
179 23.6 14.7 22.1#

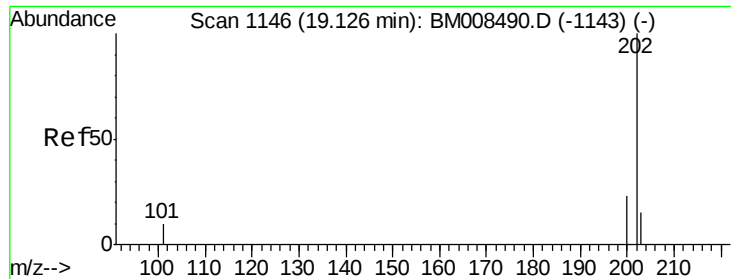


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.13 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

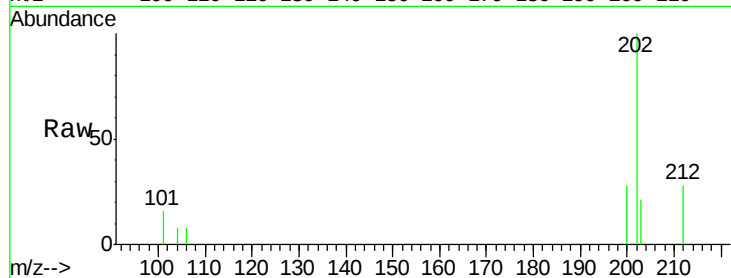
Tgt Ion:202 Resp: 1738

Ion Ratio Lower Upper

202 100

101 16.3 0.0 30.3

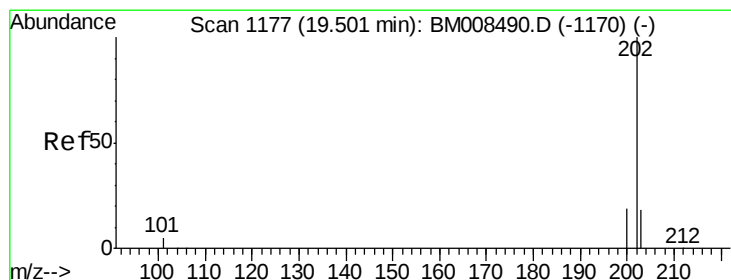
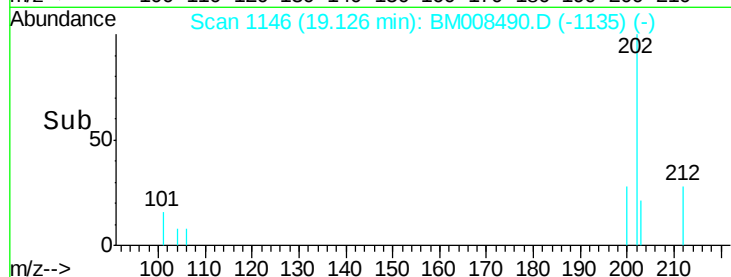
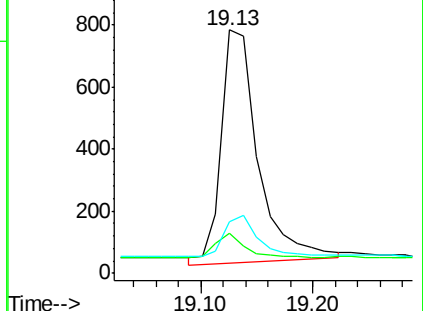
203 21.3 0.0 39.5



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: 0.44 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

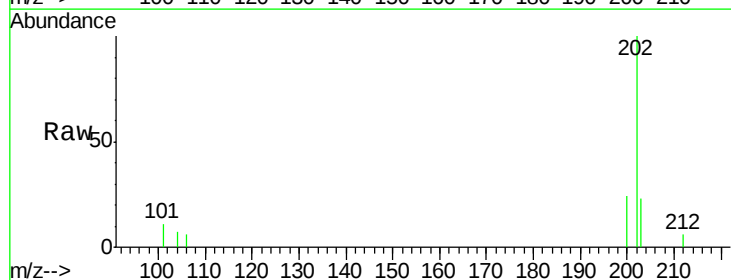
Tgt Ion:202 Resp: 1764

Ion Ratio Lower Upper

202 100

200 23.7 18.2 27.4

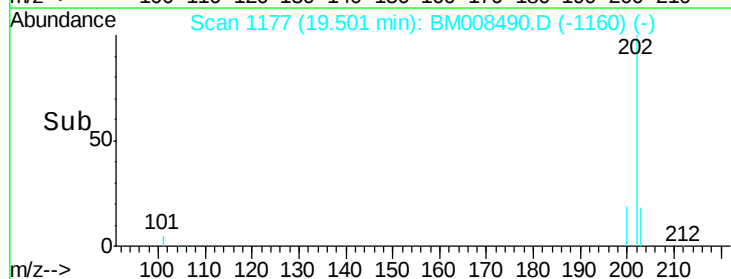
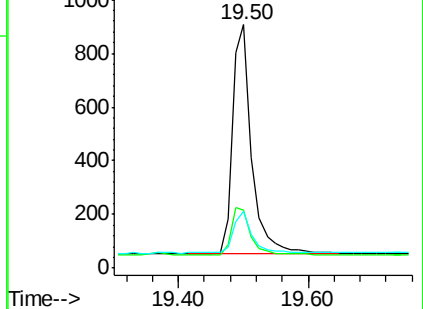
203 23.5 15.6 23.4#

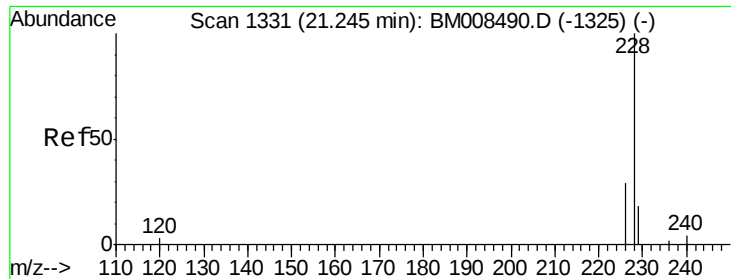


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

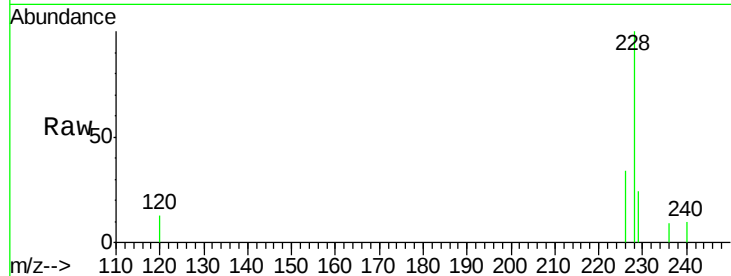
Tgt Ion:228 Resp: 1387

Ion Ratio Lower Upper

228 100

226 34.2 22.8 34.2#

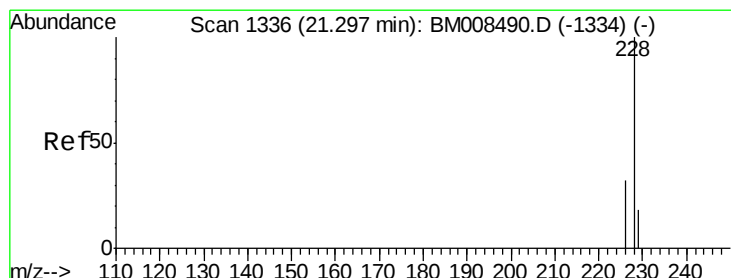
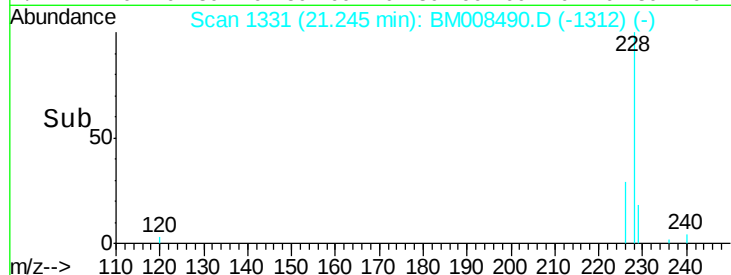
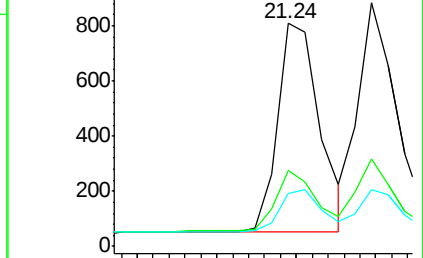
229 23.8 17.0 25.6



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: 0.37 ng/ul

RT: 21.24 min Scan# 1331

Delta R.T. -0.05 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

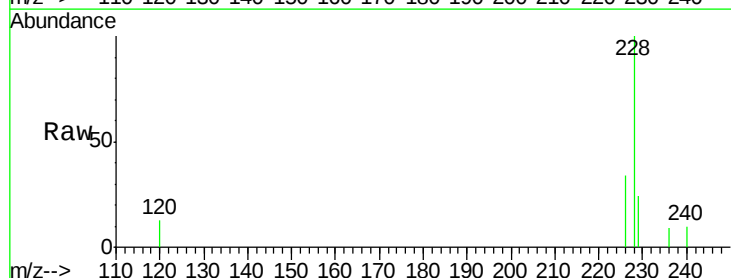
Tgt Ion:228 Resp: 1387

Ion Ratio Lower Upper

228 100

226 34.2 23.4 35.0

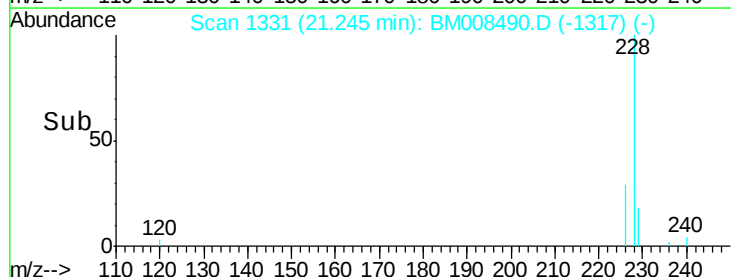
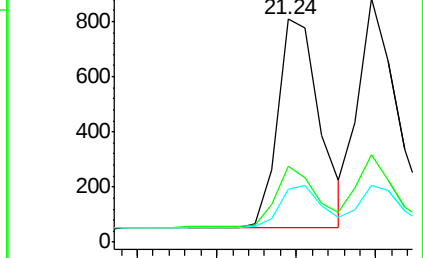
229 23.8 17.7 26.5

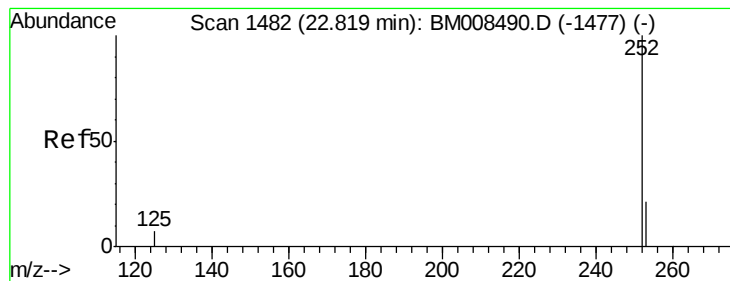


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.82 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

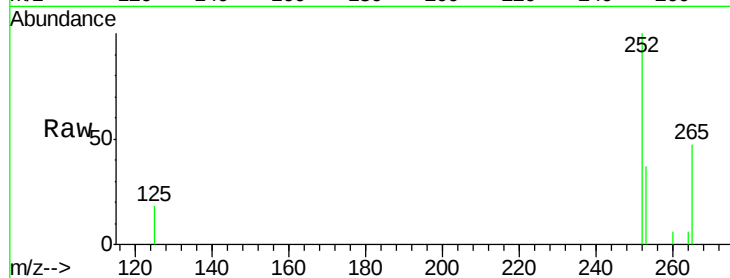
Tgt Ion:252 Resp: 1436

Ion Ratio Lower Upper

252 100

253 37.3 0.0 64.2

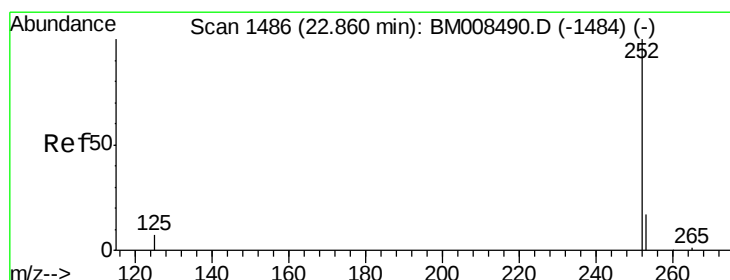
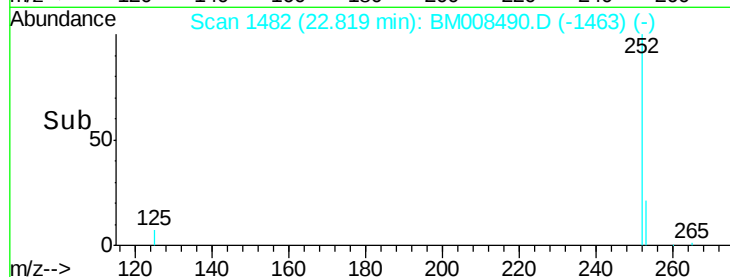
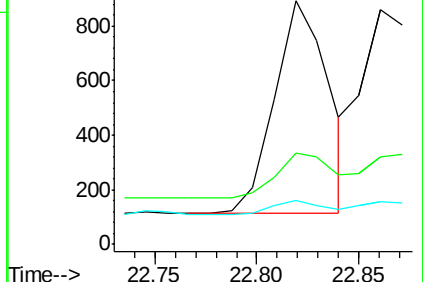
125 18.0 0.0 35.0



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: 22.86 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

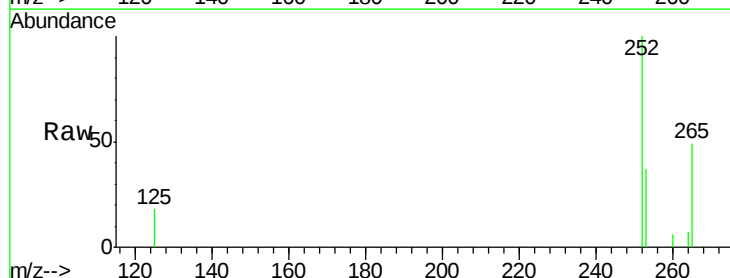
Tgt Ion:252 Resp: 1678

Ion Ratio Lower Upper

252 100

253 37.2 24.5 36.7#

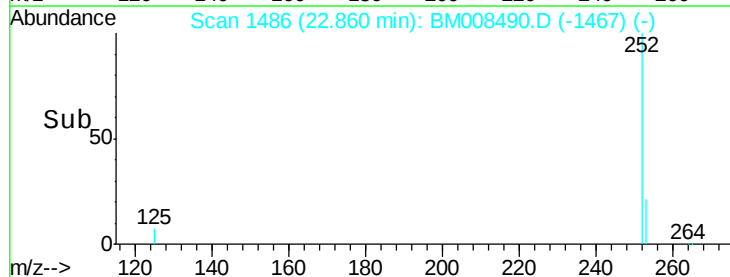
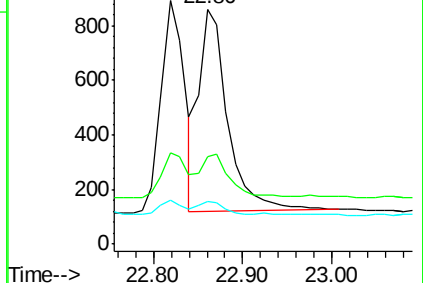
125 18.4 13.7 20.5

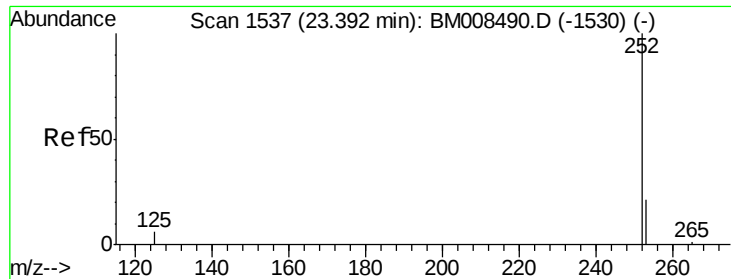


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.39 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

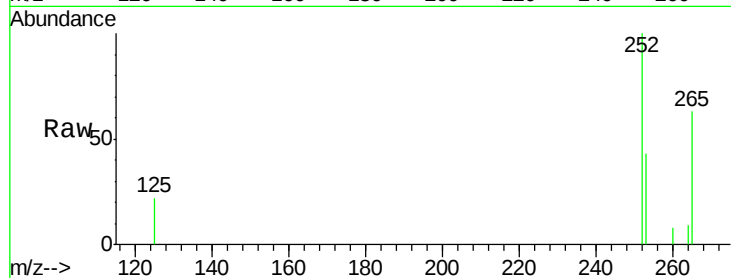
Tgt Ion:252 Resp: 1544

Ion Ratio Lower Upper

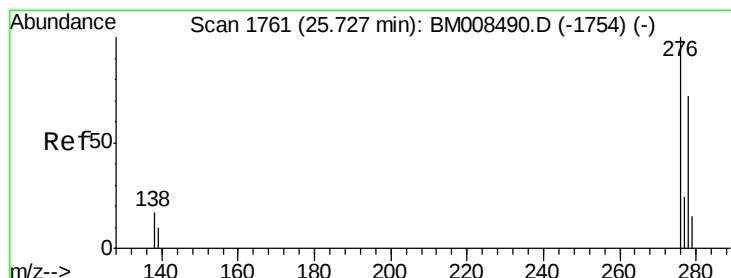
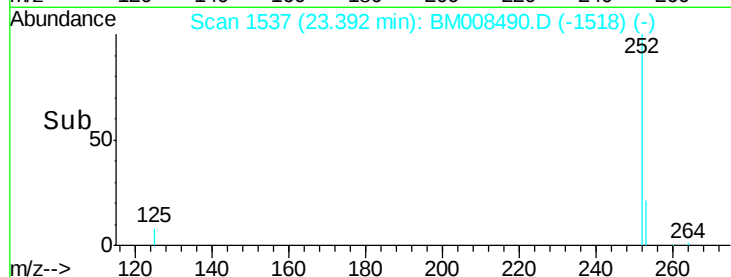
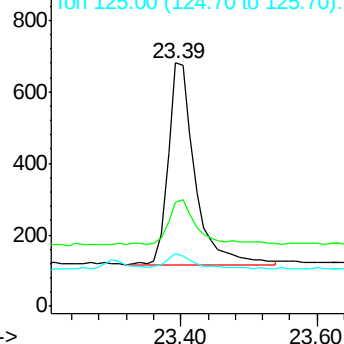
252 100

253 42.6 28.5 42.7

125 21.7 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: 0.41 ng/ul

RT: 25.73 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

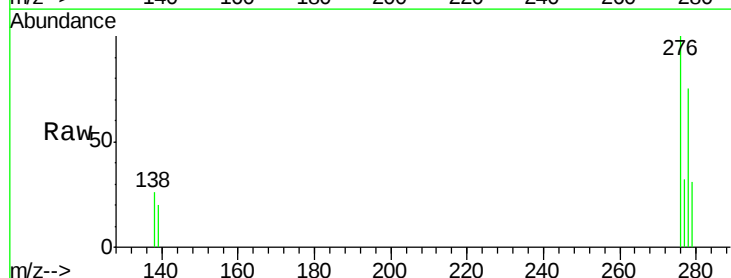
Tgt Ion:276 Resp: 1893

Ion Ratio Lower Upper

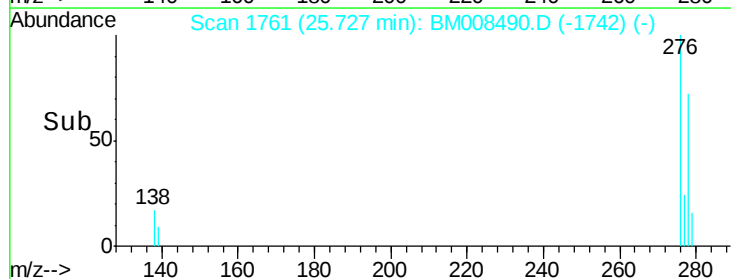
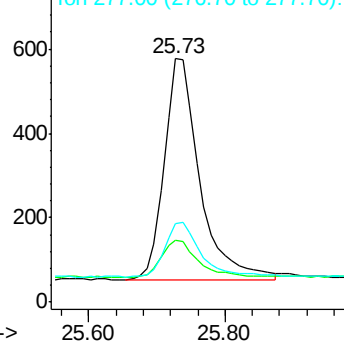
276 100

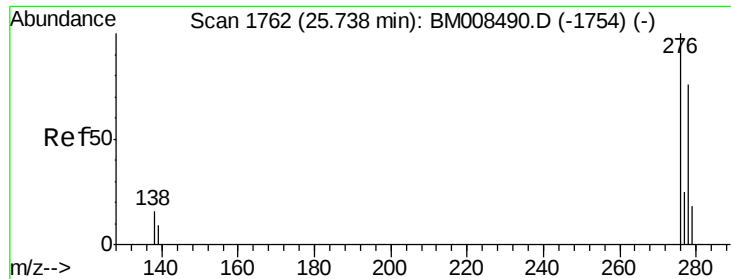
138 17.0 19.1 28.7#

277 25.0 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: 0.41 ng/ul

RT: 25.74 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

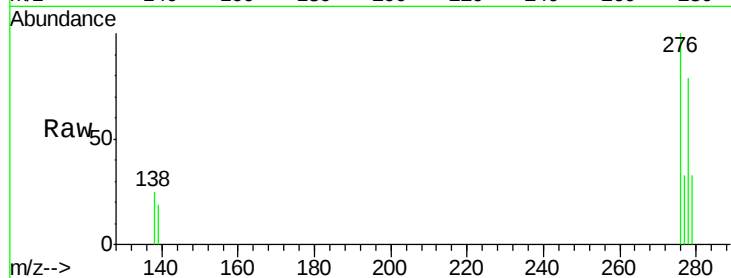
Tgt Ion:278 Resp: 1503

Ion Ratio Lower Upper

278 100

139 24.4 17.4 26.0

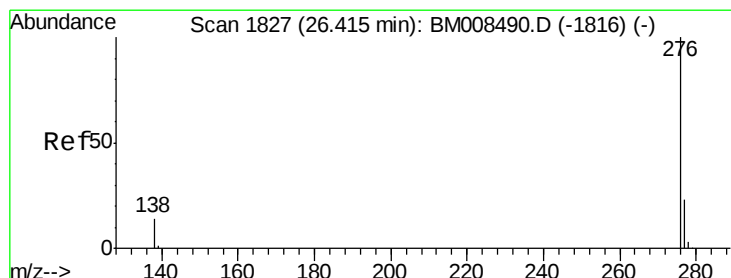
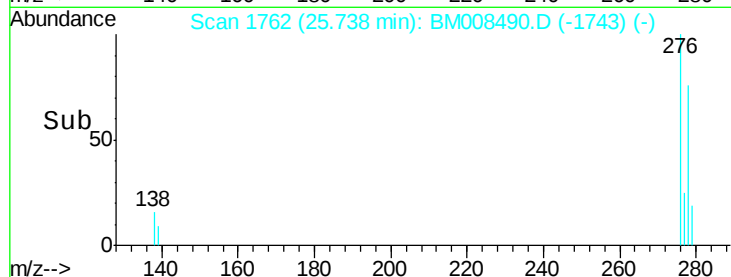
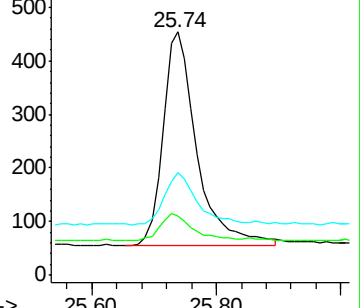
279 42.1 25.9 38.9#



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: 0.43 ng/ul

RT: 26.42 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BM008490.D

Acq: 20 Dec 2016 21:42

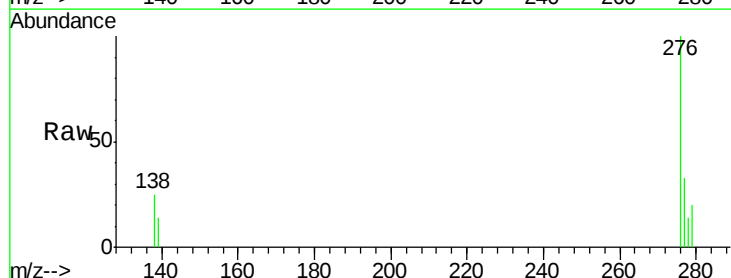
Tgt Ion:276 Resp: 1676

Ion Ratio Lower Upper

276 100

277 32.9 21.8 32.8#

138 25.2 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

