

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122016\
 Data File : BM008506.D
 Acq On : 21 Dec 2016 07:16
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.452

Quant Time: Dec 21 07:51:26 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	7.71	152	276	0.40	ng/ul	0.02
2) Naphthalene-d8	10.48	136	1039	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	567	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1023	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	975	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	969	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	591	0.37	ng/ul	0.01
14) Fluoranthene-d10	19.11	212	1098	0.39	ng/ul	0.00

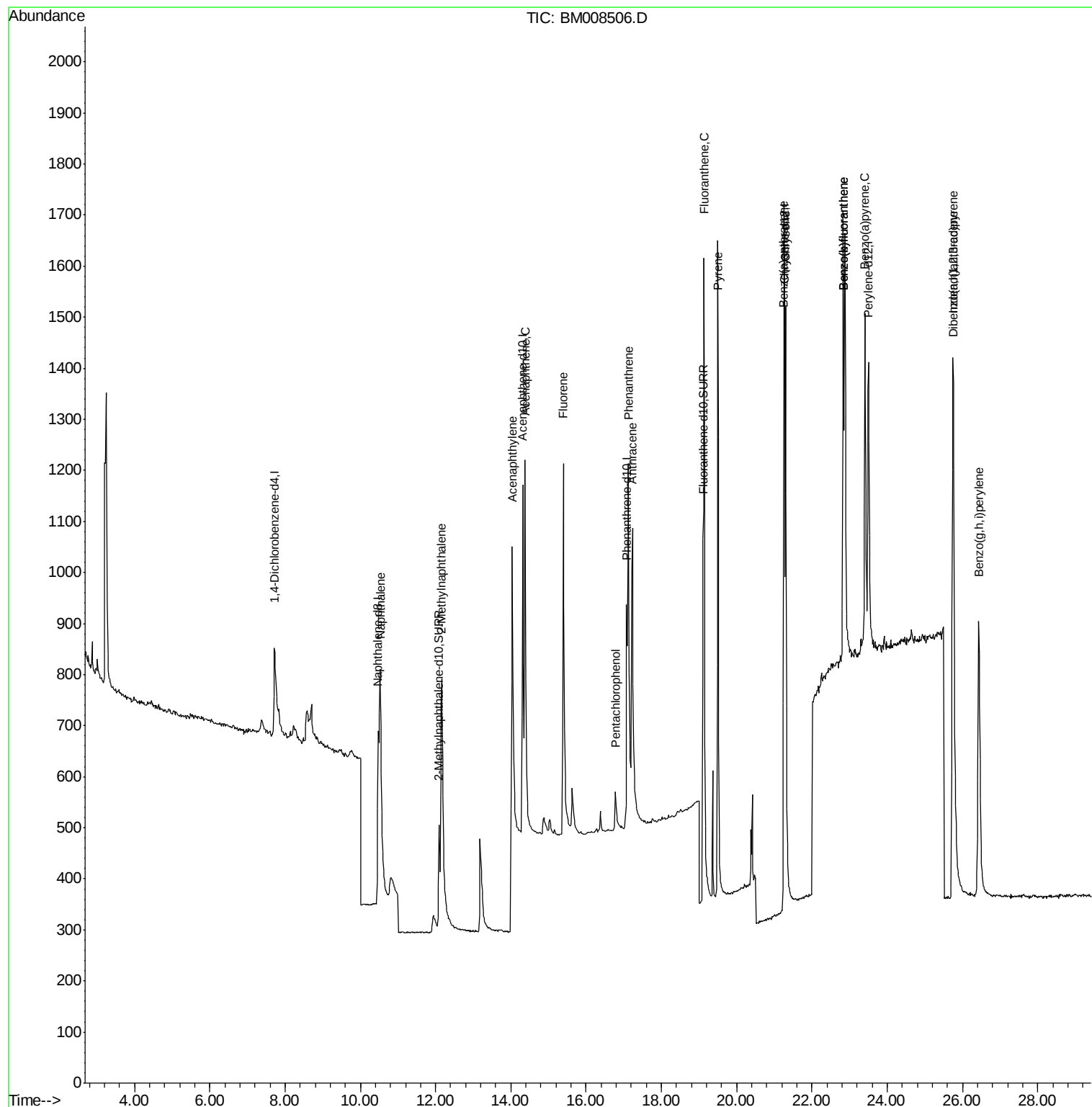
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	1139	0.39	ng/ul#	75
5) 2-Methylnaphthalene	12.16	142	732	0.37	ng/ul	97
7) Acenaphthylene	14.04	152	918	0.36	ng/ul#	85
8) Acenaphthene	14.38	153	775	0.40	ng/ul	93
9) Fluorene	15.39	166	847	0.38	ng/ul#	89
11) Pentachlorophenol	16.78	266	131	0.41	ng/ul	97
12) Phenanthrene	17.12	178	1176	0.38	ng/ul#	88
13) Anthracene	17.23	178	1212	0.40	ng/ul#	86
15) Fluoranthene	19.13	202	1504	0.39	ng/ul	95
17) Pyrene	19.50	202	1602	0.43	ng/ul	94
18) Benzo(a)anthracene	21.25	228	1296	0.40	ng/ul#	91
19) Chrysene	21.30	228	1411	0.40	ng/ul	92
21) Benzo(b)fluoranthene	22.83	252	1325	0.35	ng/ul	94
22) Benzo(k)fluoranthene	22.83	252	1325	0.36	ng/ul	93
23) Benzo(a)pyrene	23.41	252	1437	0.41	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.74	276	1791	0.42	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.76	278	1424	0.42	ng/ul#	88
26) Benzo(g,h,i)perylene	26.43	276	1561	0.43	ng/ul#	92

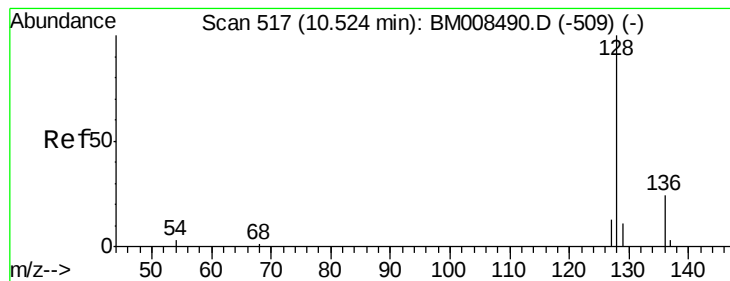
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. 0.01 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

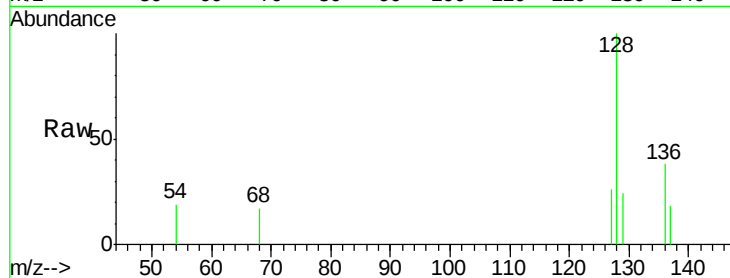
Tgt Ion:128 Resp: 1139

Ion Ratio Lower Upper

128 100

129 24.2 11.3 16.9#

127 26.4 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

10.54

300

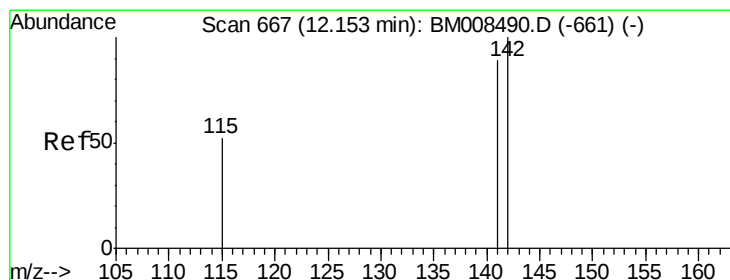
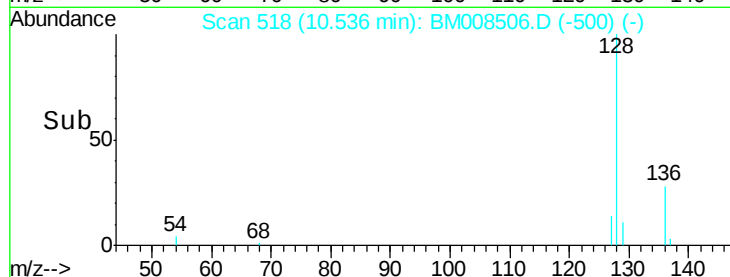
200

100

0

10.40 10.50 10.60 10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM008506.D

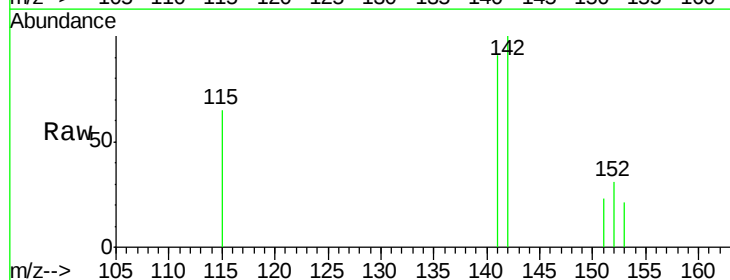
Acq: 21 Dec 2016 07:16

Tgt Ion:142 Resp: 732

Ion Ratio Lower Upper

142 100

141 93.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

250

200

150

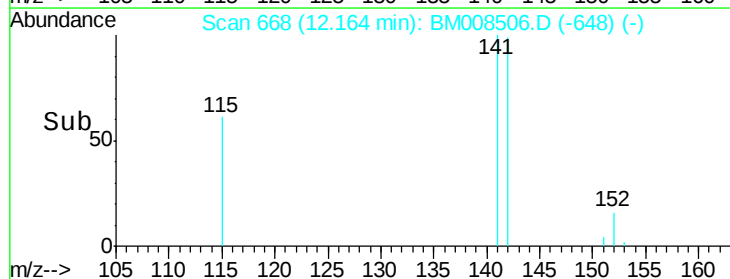
100

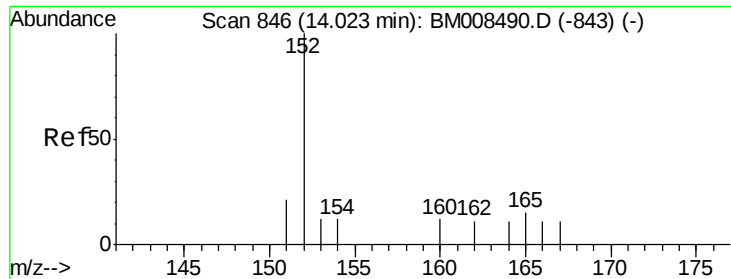
50

0

12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.36 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

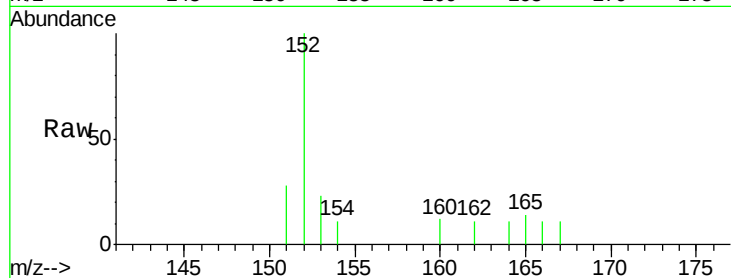
Tgt Ion:152 Resp: 918

Ion Ratio Lower Upper

152 100

151 28.1 17.1 25.7#

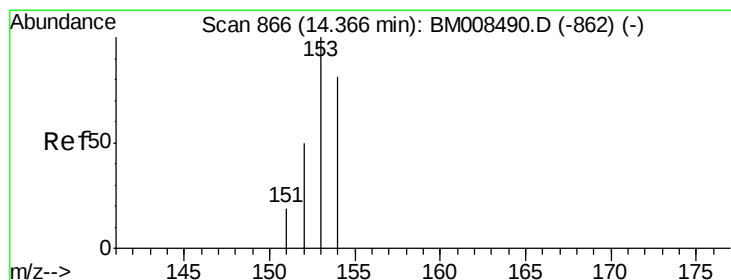
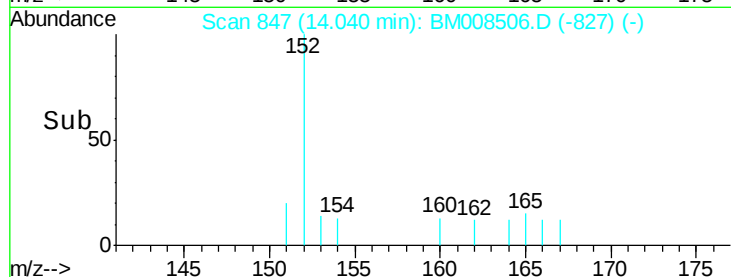
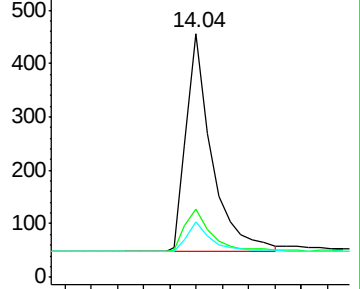
153 22.6 12.8 19.2#



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: 0.40 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

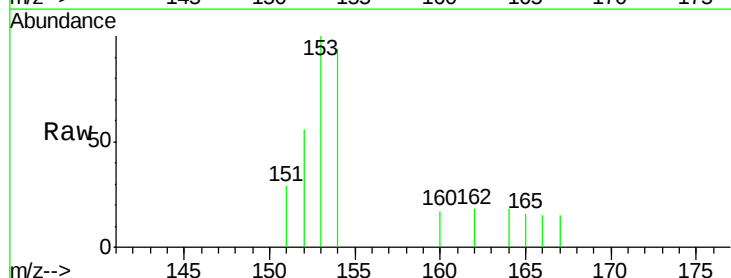
Tgt Ion:153 Resp: 775

Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

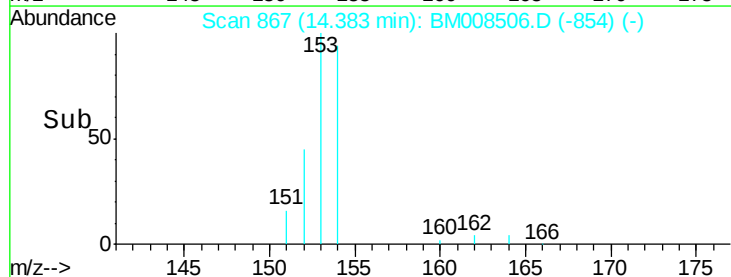
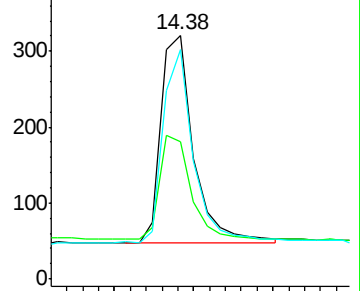
154 94.4 71.4 107.2

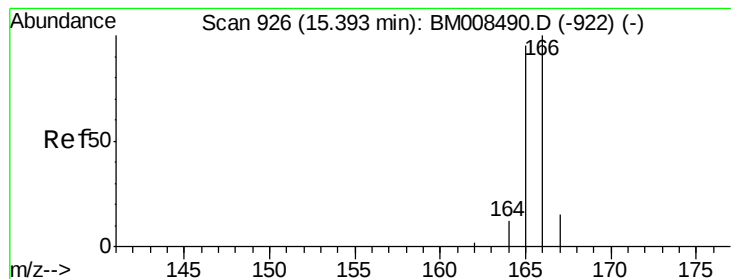


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.38 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.00 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

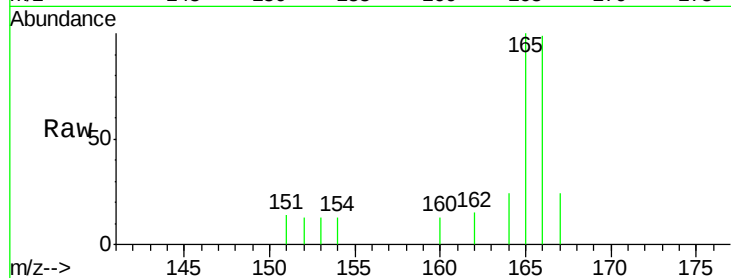
Tgt Ion:166 Resp: 847

Ion Ratio Lower Upper

166 100

165 101.4 73.4 110.2

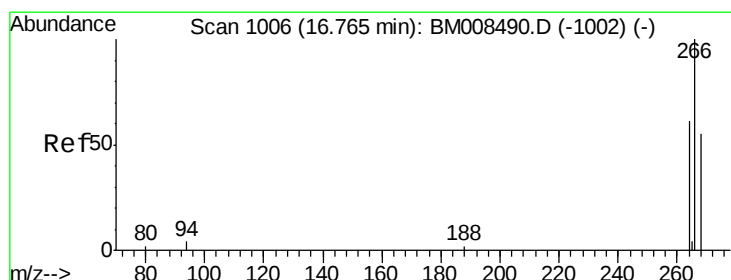
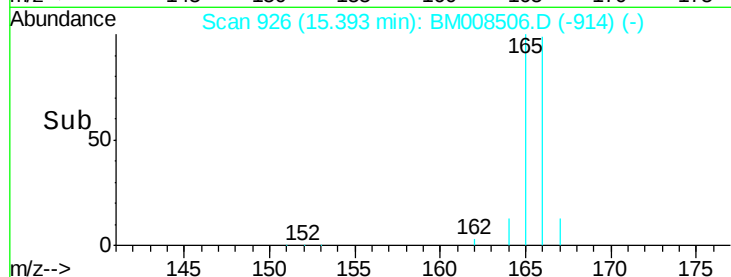
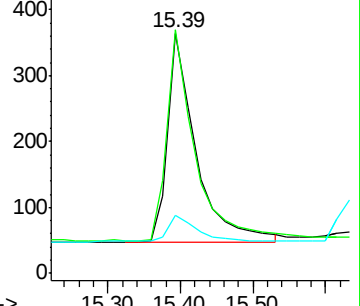
167 24.5 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.41 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

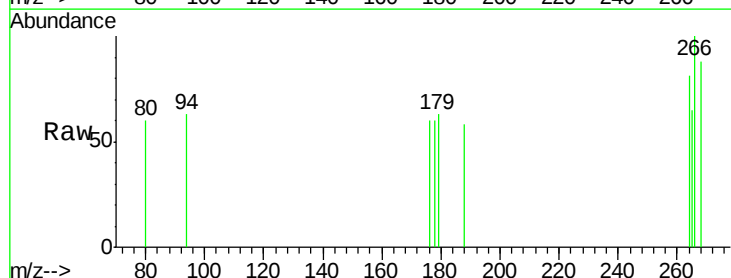
Tgt Ion:266 Resp: 131

Ion Ratio Lower Upper

266 100

264 61.8 47.9 71.9

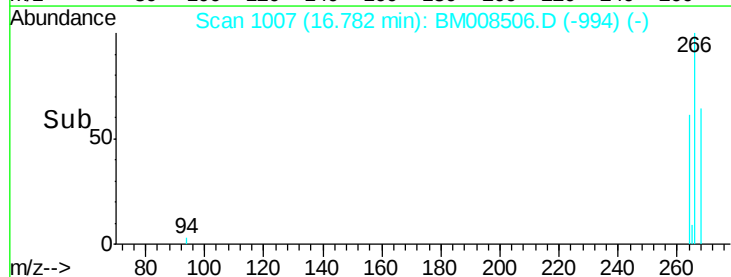
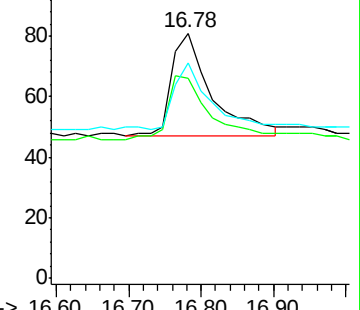
268 60.3 49.8 74.8

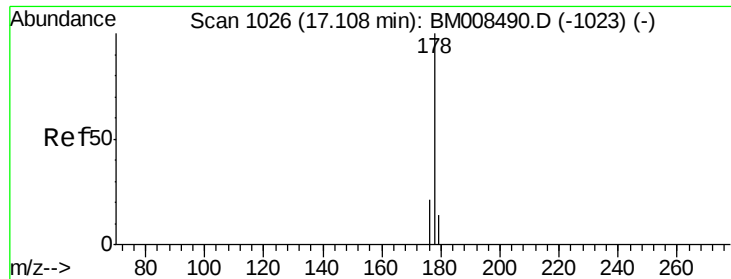


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

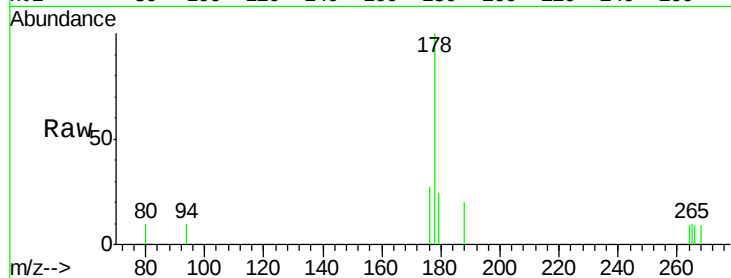
Tgt Ion:178 Resp: 1176

Ion Ratio Lower Upper

178 100

176 26.6 18.4 27.6

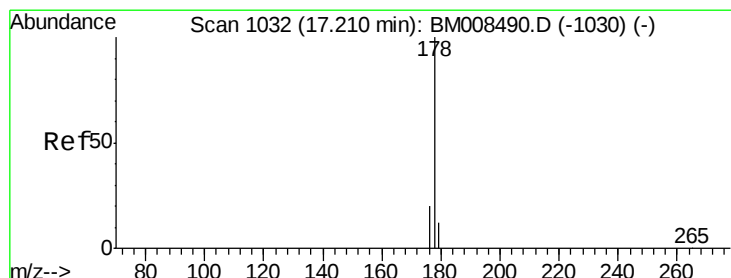
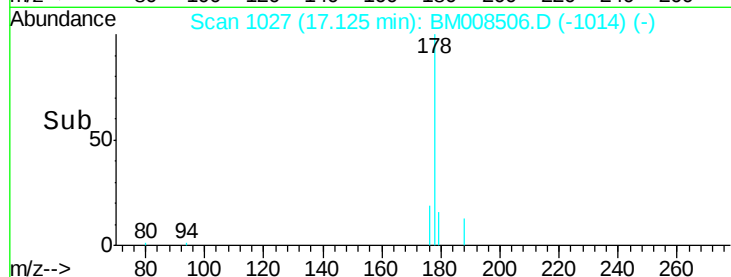
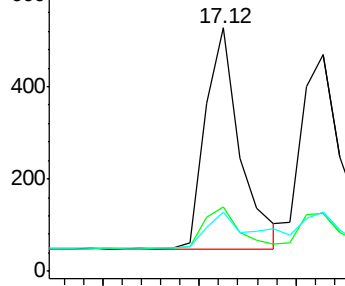
179 24.5 13.6 20.4#



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: 17.23 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

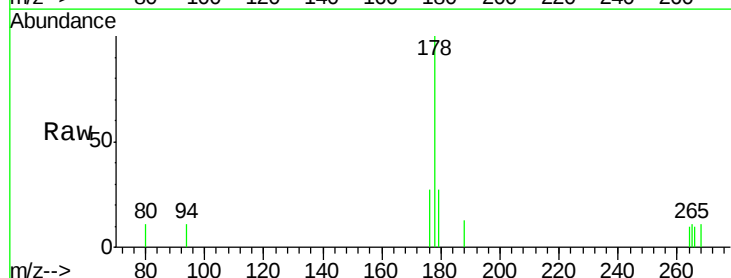
Tgt Ion:178 Resp: 1212

Ion Ratio Lower Upper

178 100

176 26.9 18.1 27.1

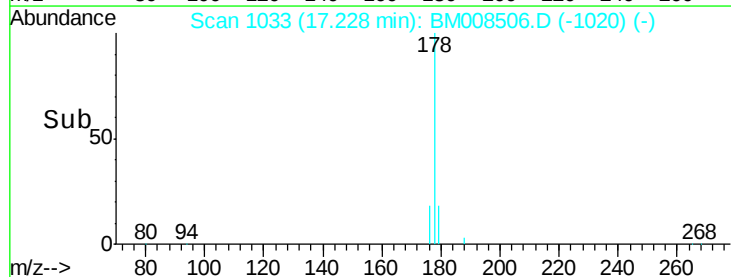
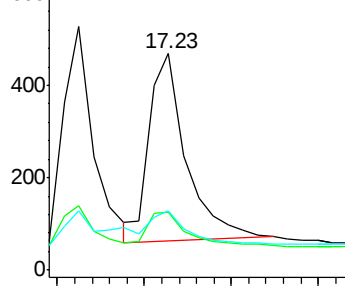
179 27.1 14.7 22.1#

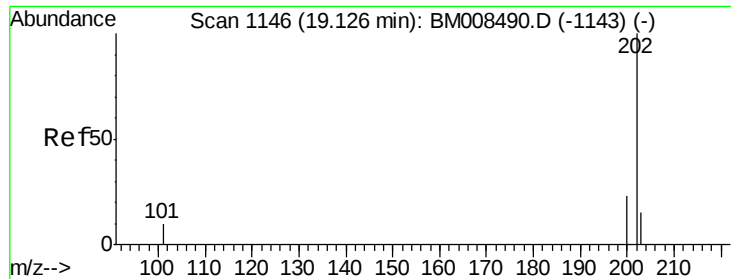


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

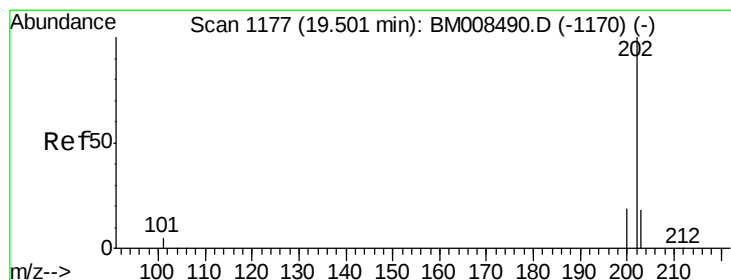
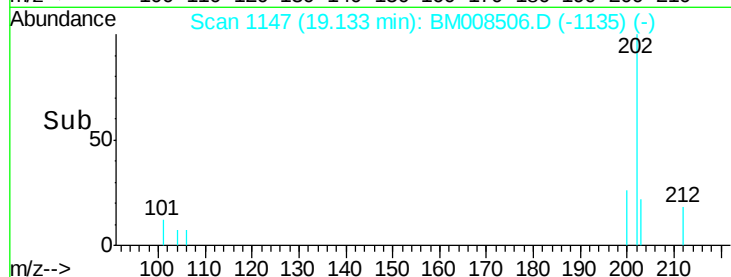
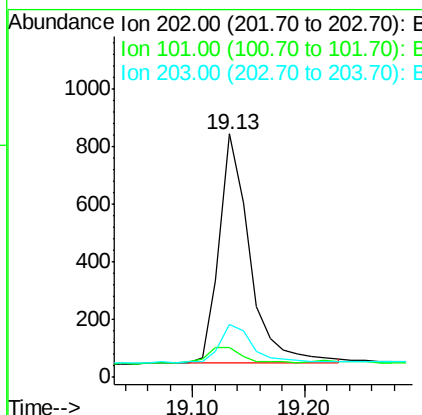
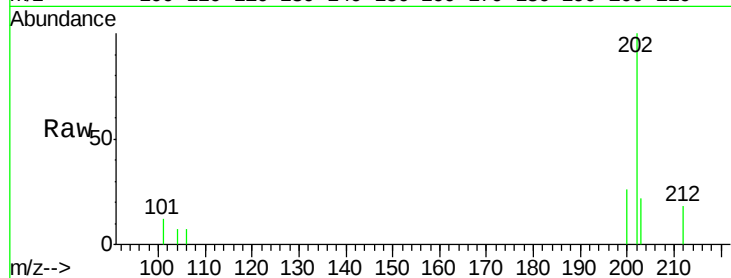




#15
Fluoranthene
 Concen: 0.39 ng/ul
 RT: 19.13 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BM008506.D
 Acq: 21 Dec 2016 07:16

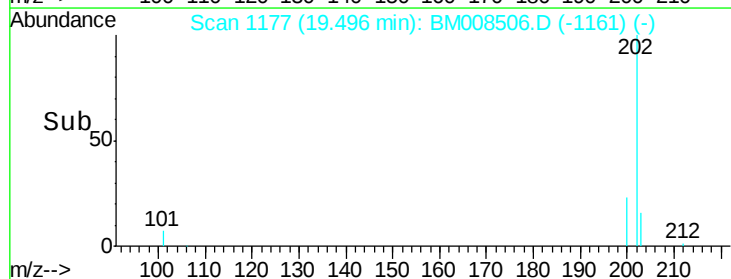
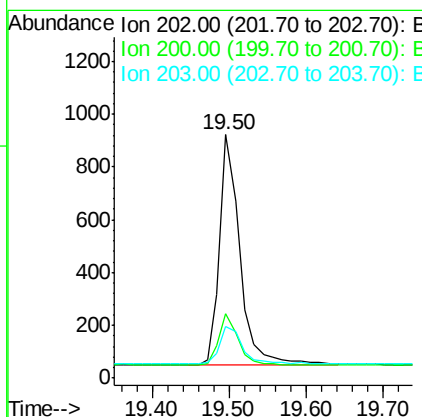
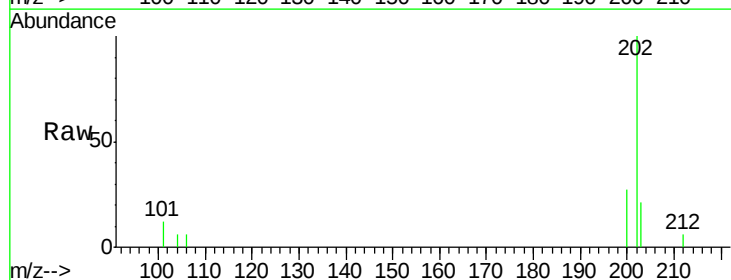
Instrument :
 BNA_M
 ClientSampleId :
 SST0.452

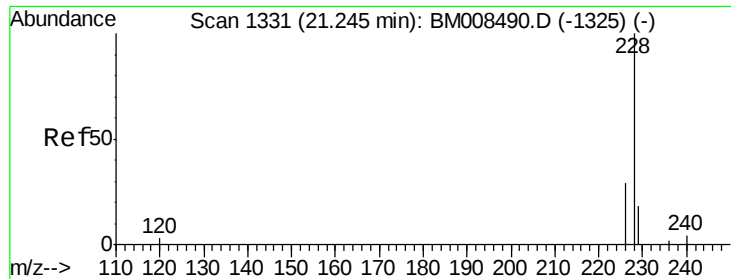
Tgt Ion: 202 Resp: 1504
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 30.3
 203 21.6 0.0 39.5



#17
Pyrene
 Concen: 0.43 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BM008506.D
 Acq: 21 Dec 2016 07:16

Tgt Ion: 202 Resp: 1602
 Ion Ratio Lower Upper
 202 100
 200 26.5 18.2 27.4
 203 21.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

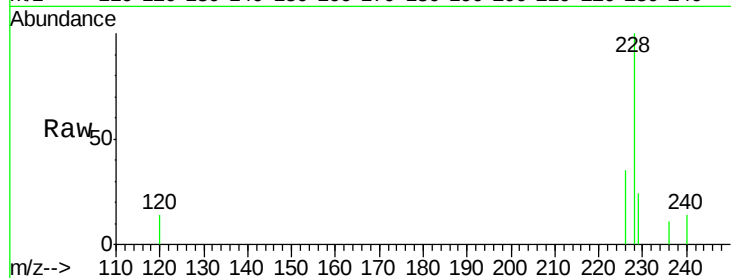
Tgt Ion:228 Resp: 1296

Ion Ratio Lower Upper

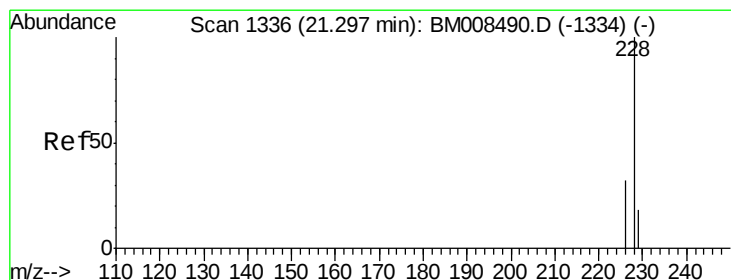
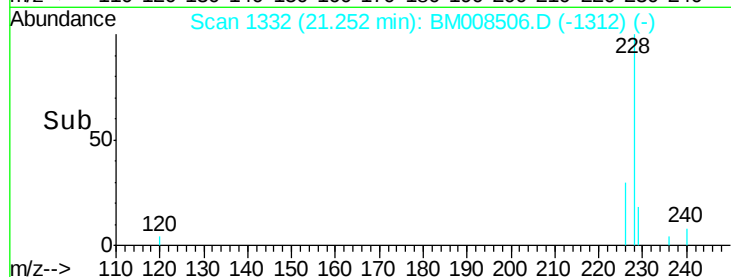
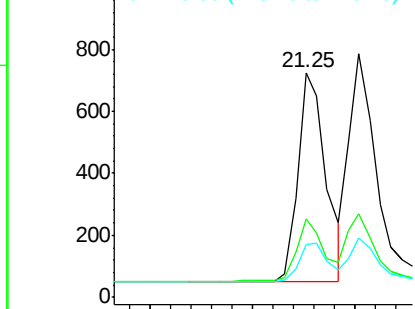
228 100

226 34.8 22.8 34.2#

229 23.6 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: 0.40 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

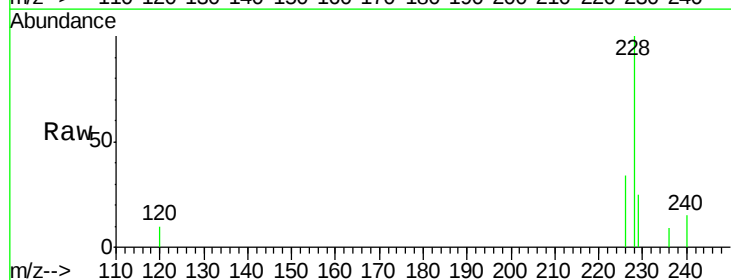
Tgt Ion:228 Resp: 1411

Ion Ratio Lower Upper

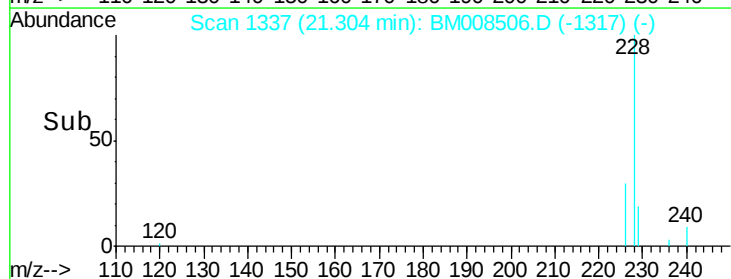
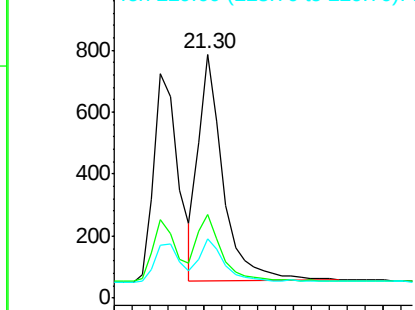
228 100

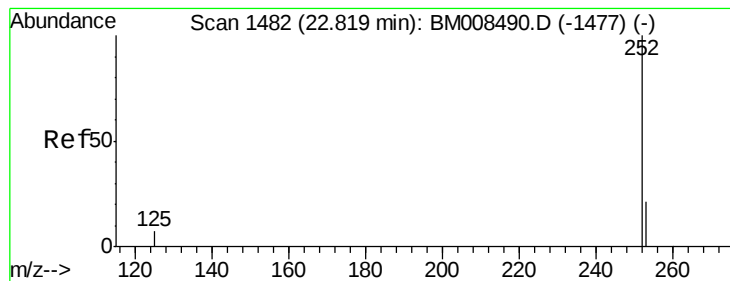
226 34.5 23.4 35.0

229 24.6 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: 0.35 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

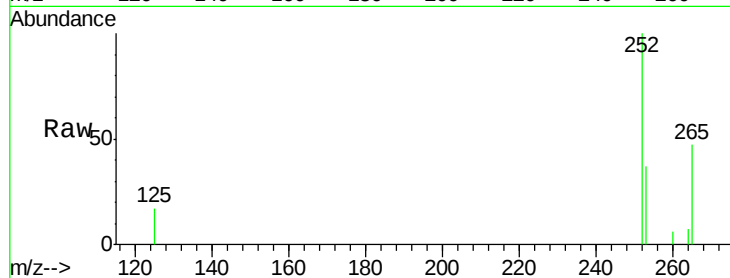
Tgt Ion:252 Resp: 1325

Ion Ratio Lower Upper

252 100

253 36.6 0.0 64.2

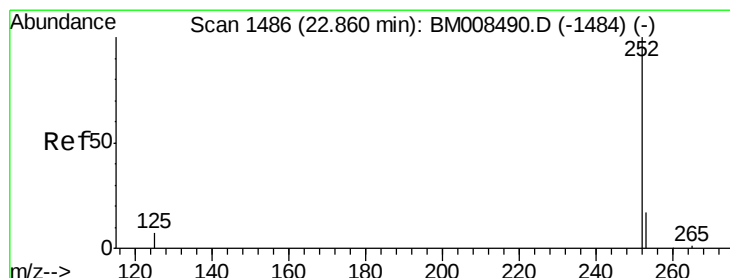
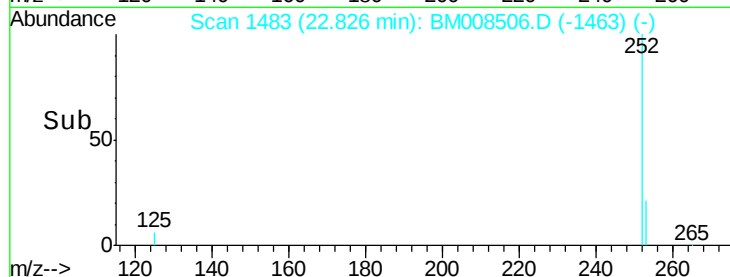
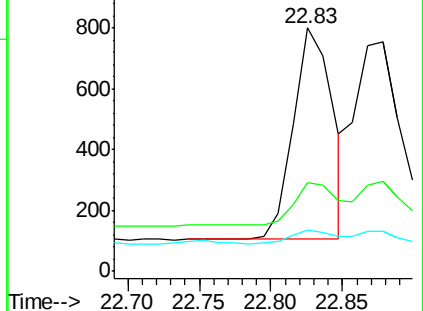
125 16.8 0.0 35.0



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: 0.36 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.03 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

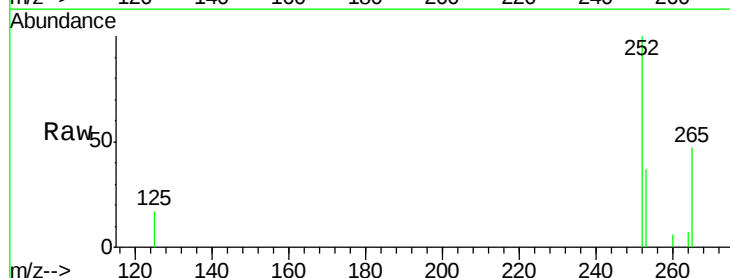
Tgt Ion:252 Resp: 1325

Ion Ratio Lower Upper

252 100

253 36.6 24.5 36.7

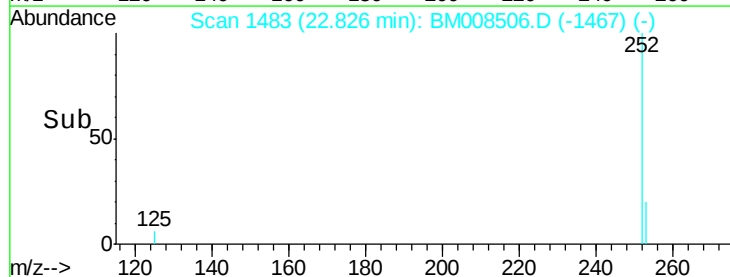
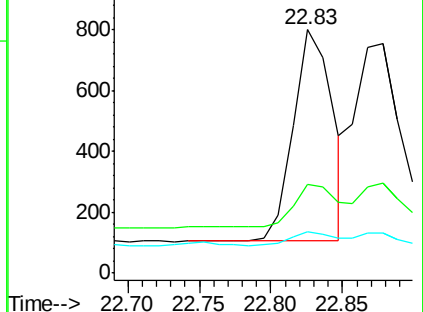
125 16.8 13.7 20.5

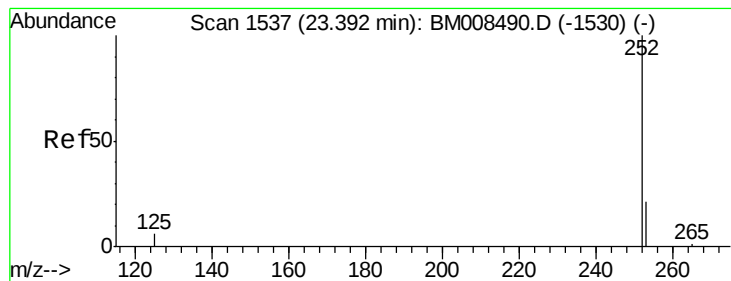


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.41 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

Instrument :

BNA_M

ClientSampleId :

SSTD0.452

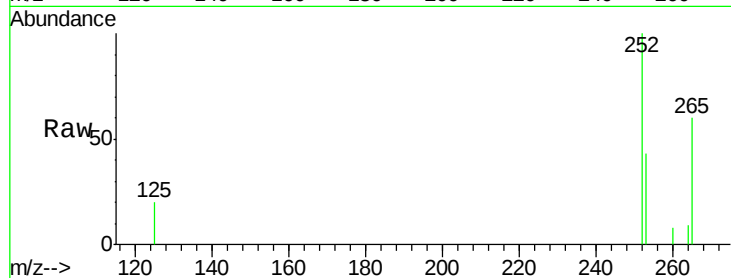
Tgt Ion:252 Resp: 1437

Ion Ratio Lower Upper

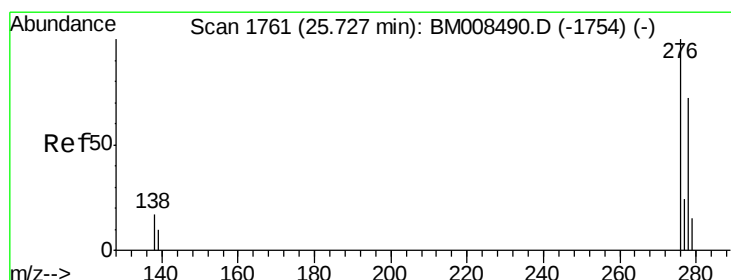
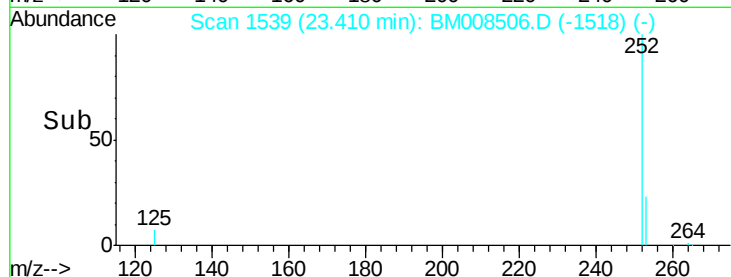
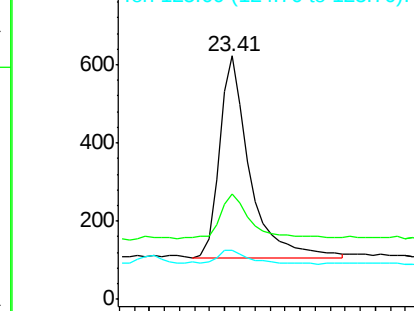
252 100

253 43.3 28.5 42.7#

125 20.2 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: 0.42 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008506.D

Acq: 21 Dec 2016 07:16

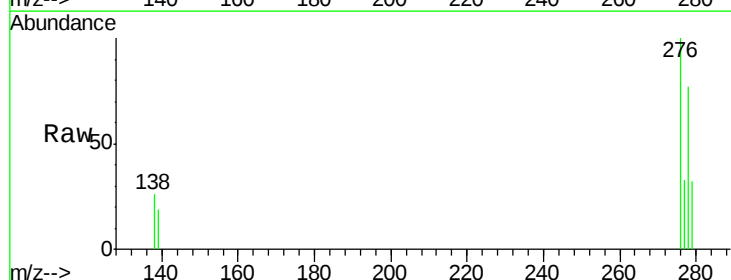
Tgt Ion:276 Resp: 1791

Ion Ratio Lower Upper

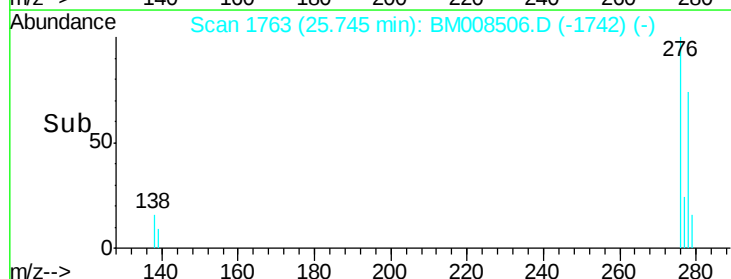
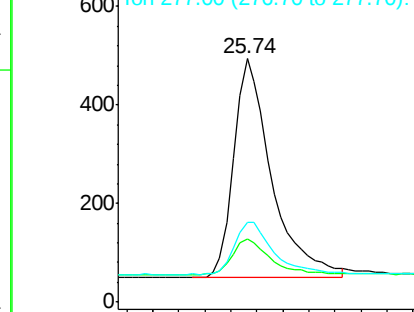
276 100

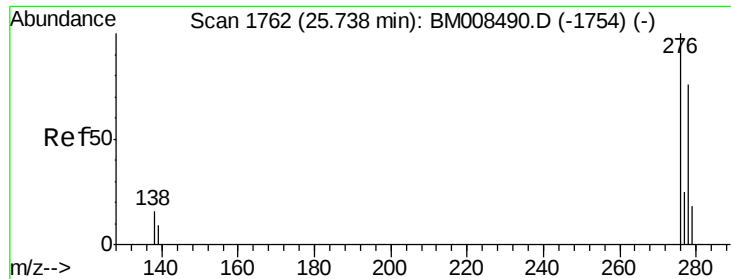
138 17.4 19.1 28.7#

277 24.7 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



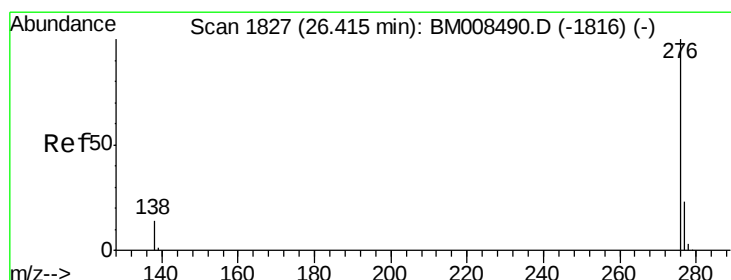
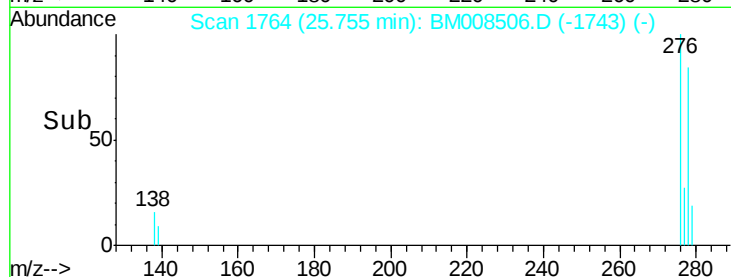
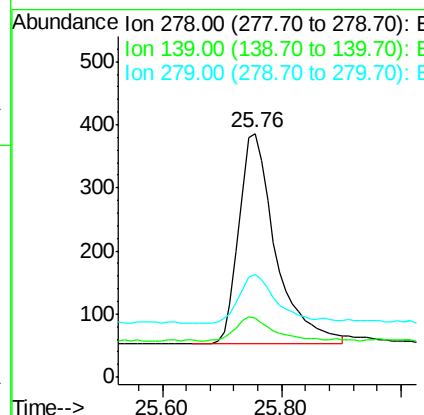
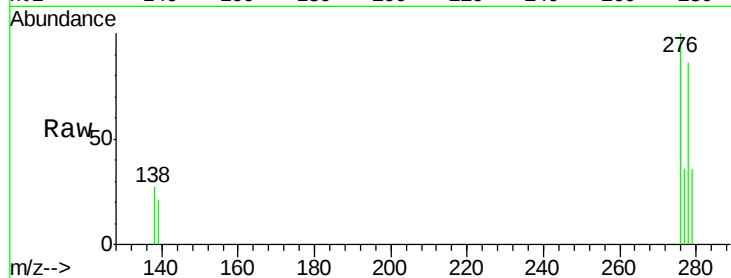


#25
Dibenzo(a,h)anthracene
Concen: 0.42 ng/ul
RT: 25.76 min Scan# 1764
Delta R.T. 0.02 min
Lab File: BM008506.D
Acq: 21 Dec 2016 07:16

Instrument :
BNA_M
ClientSampleId :
SSTD0.452

Tgt Ion: 278 Resp: 1424

Ion	Ratio	Lower	Upper
278	100		
139	24.1	17.4	26.0
279	42.0	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.43 ng/ul
RT: 26.43 min Scan# 1829
Delta R.T. 0.02 min
Lab File: BM008506.D
Acq: 21 Dec 2016 07:16

Tgt Ion: 276 Resp: 1561

Ion	Ratio	Lower	Upper
276	100		
277	33.8	21.8	32.8#
138	24.1	20.5	30.7

