

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008518.D
 Acq On : 21 Dec 2016 15:45
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.454

Quant Time: Dec 22 00:04:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:00:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	217	0.40	ng/ul	0.03
2) Naphthalene-d8	10.50	136	882	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.33	164	498	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.09	188	951	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	957	0.40	ng/ul	0.01
20) Perylene-d12	23.51	264	964	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	493	0.36	ng/ul	0.02
14) Fluoranthene-d10	19.12	212	1005	0.38	ng/ul	0.01

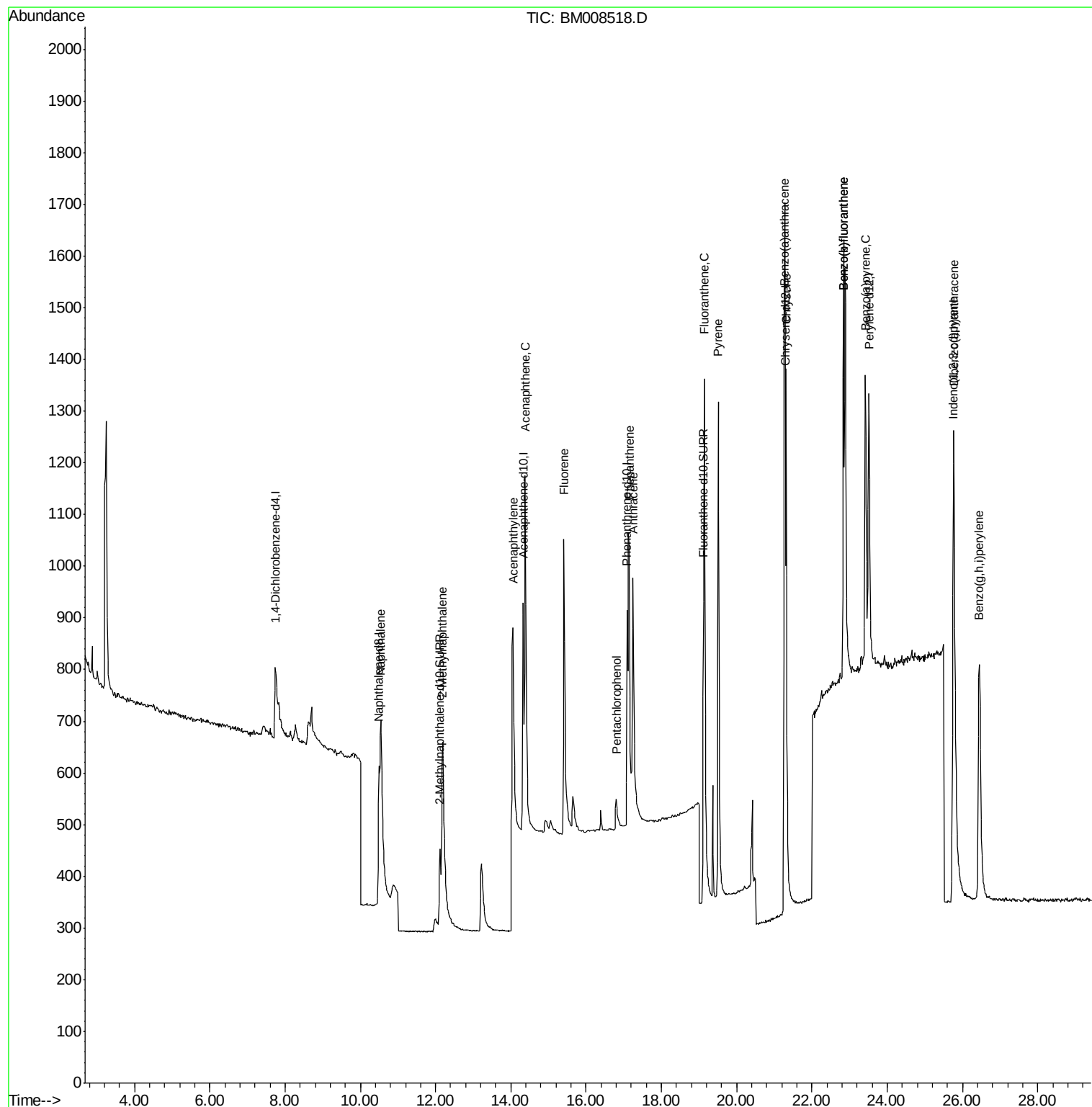
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	965	0.39	ng/ul#	67
5) 2-Methylnaphthalene	12.18	142	602	0.36	ng/ul	94
7) Acenaphthylene	14.06	152	937	0.42	ng/ul#	77
8) Acenaphthene	14.38	153	676	0.40	ng/ul	94
9) Fluorene	15.41	166	742	0.38	ng/ul#	88
11) Pentachlorophenol	16.80	266	104	0.35	ng/ul	98
12) Phenanthrene	17.14	178	1058	0.36	ng/ul#	85
13) Anthracene	17.24	178	1061	0.38	ng/ul#	84
15) Fluoranthene	19.14	202	1390	0.39	ng/ul	92
17) Pyrene	19.51	202	1496	0.40	ng/ul#	90
18) Benzo(a)anthracene	21.26	228	1281	0.41	ng/ul	91
19) Chrysene	21.31	228	1369	0.40	ng/ul	92
21) Benzo(b)fluoranthene	22.84	252	1318	0.35	ng/ul	94
22) Benzo(k)fluoranthene	22.84	252	1318	0.36	ng/ul	92
23) Benzo(a)pyrene	23.42	252	1369	0.39	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.76	276	1713	0.41	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.77	278	1380	0.41	ng/ul#	84
26) Benzo(g,h,i)perylene	26.44	276	1522	0.42	ng/ul#	91

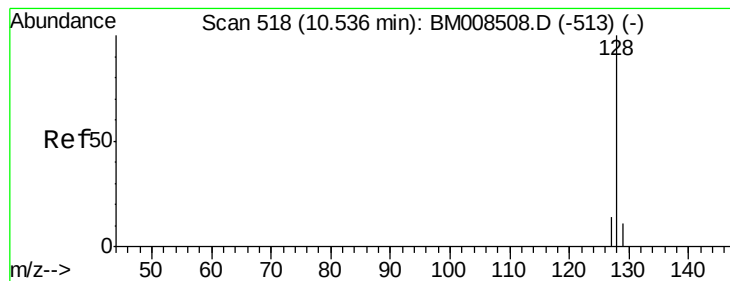
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.01 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

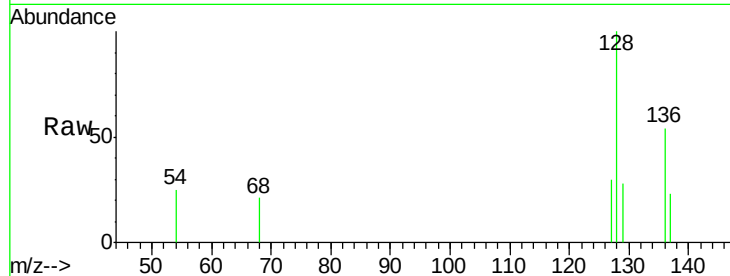
Tgt Ion:128 Resp: 965

Ion Ratio Lower Upper

128 100

129 27.7 11.3 16.9#

127 30.1 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

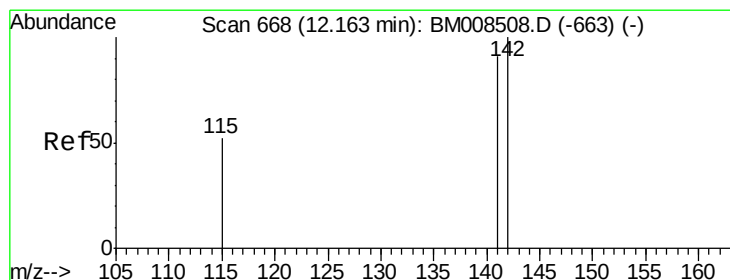
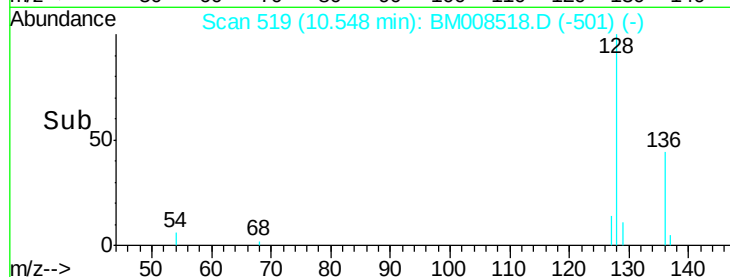
10.55

200

100

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM008518.D

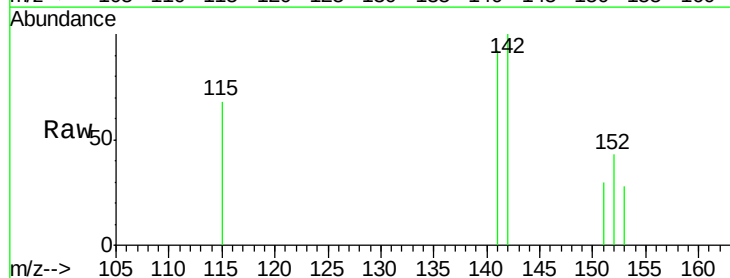
Acq: 21 Dec 2016 15:45

Tgt Ion:142 Resp: 602

Ion Ratio Lower Upper

142 100

141 96.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.18

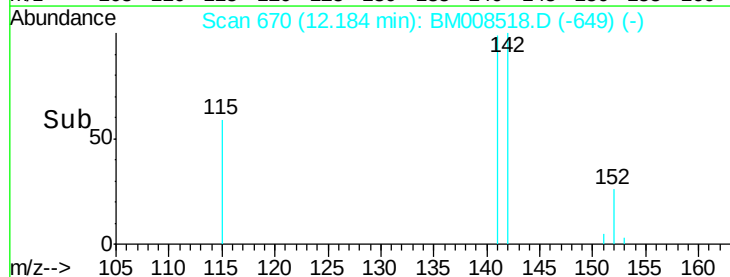
200

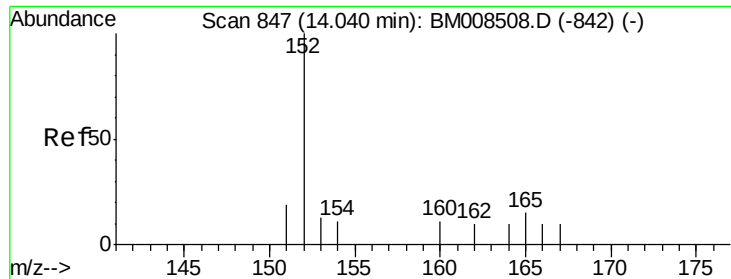
150

100

50

Time-->





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.02 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

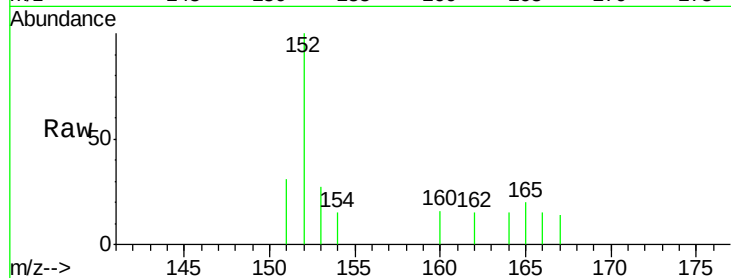
Tgt Ion:152 Resp: 937

Ion Ratio Lower Upper

152 100

151 31.4 17.1 25.7#

153 26.8 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

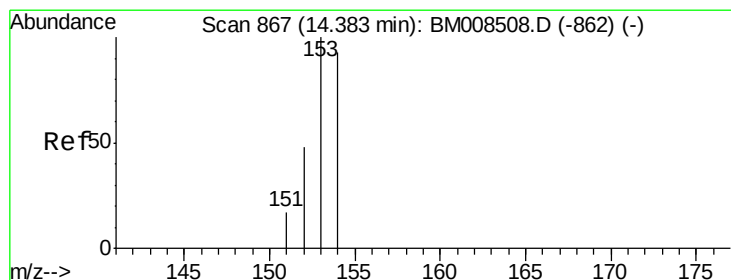
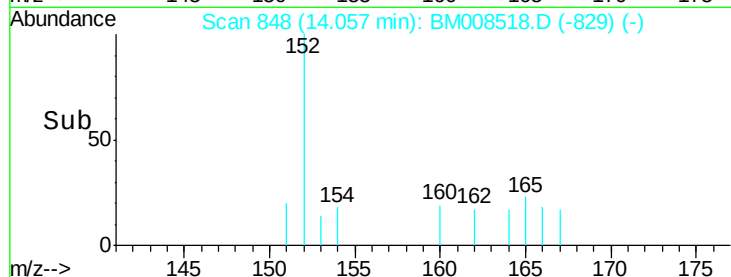
300

200

100

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. 0.00 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

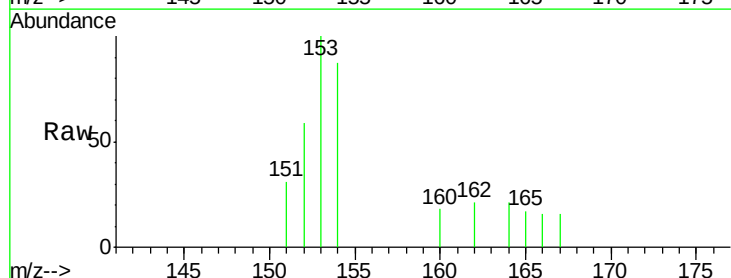
Tgt Ion:153 Resp: 676

Ion Ratio Lower Upper

153 100

152 59.4 40.3 60.5

154 86.8 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

14.38

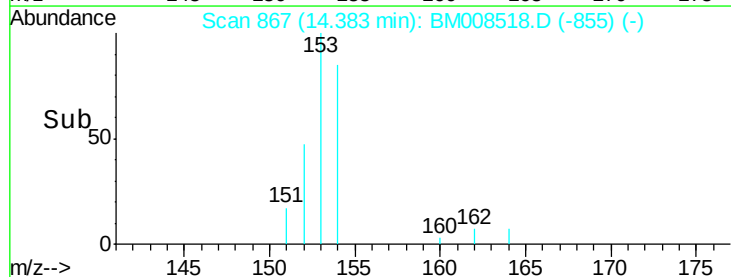
300

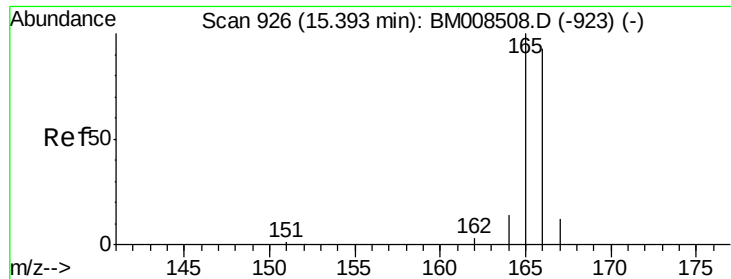
200

100

0

Time--> 14.30 14.40 14.50





#9

Fluorene

Concen: 0.38 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.02 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

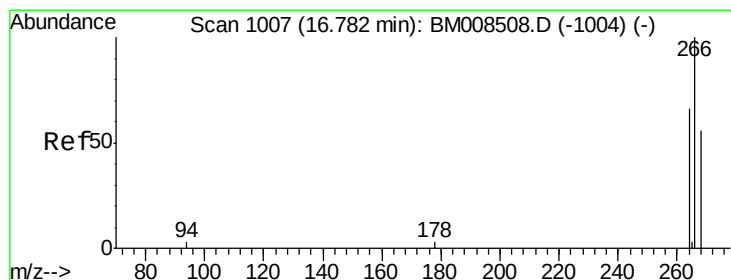
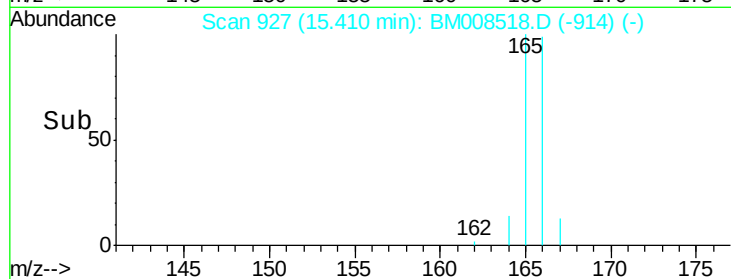
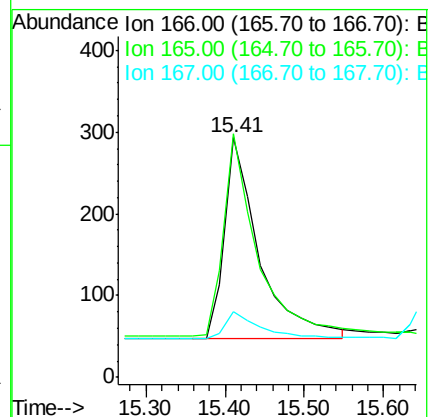
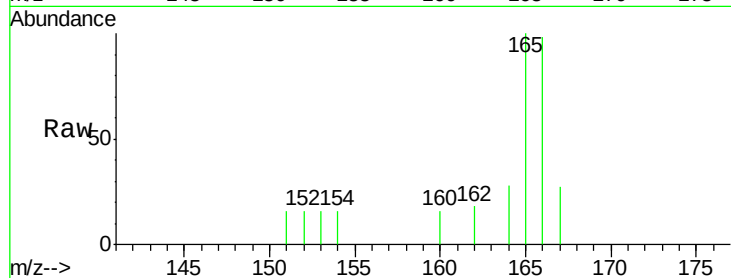
Tgt Ion:166 Resp: 742

Ion Ratio Lower Upper

166 100

165 101.7 73.4 110.2

167 27.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.35 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. 0.02 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

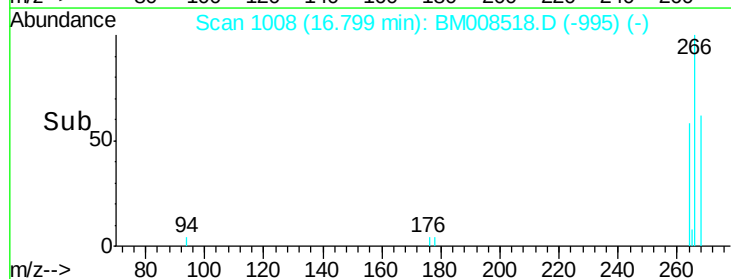
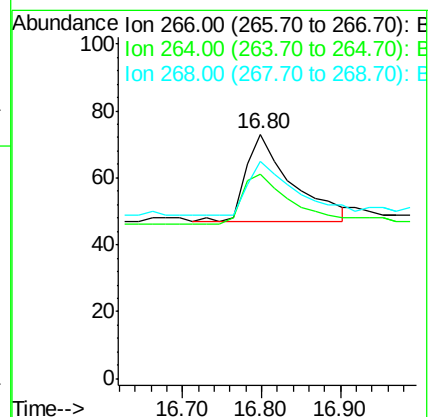
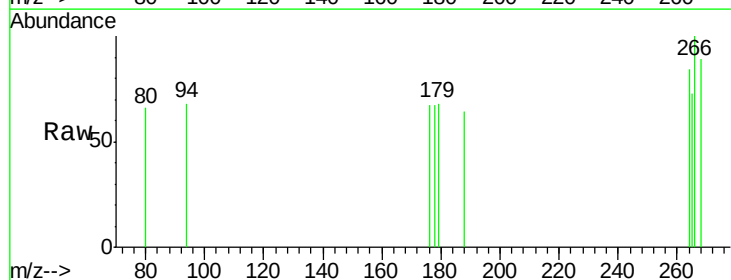
Tgt Ion:266 Resp: 104

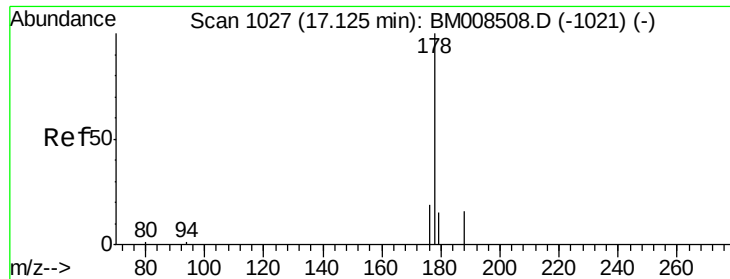
Ion Ratio Lower Upper

266 100

264 62.5 47.9 71.9

268 62.5 49.8 74.8

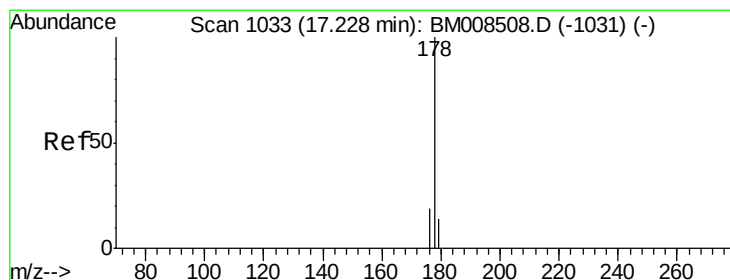
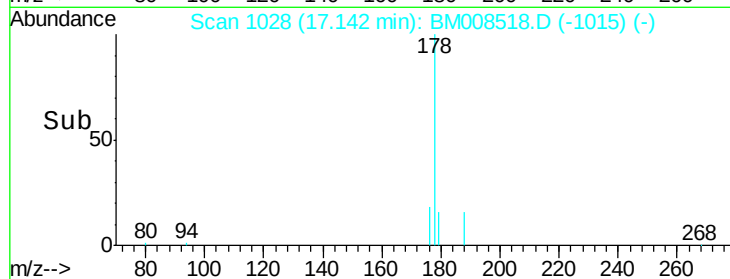
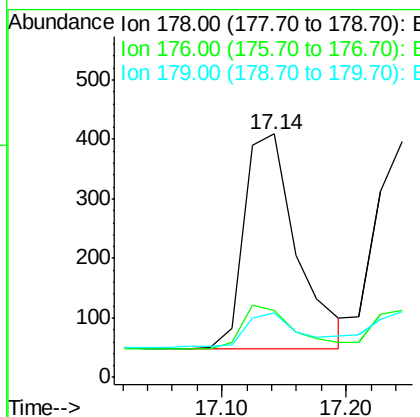
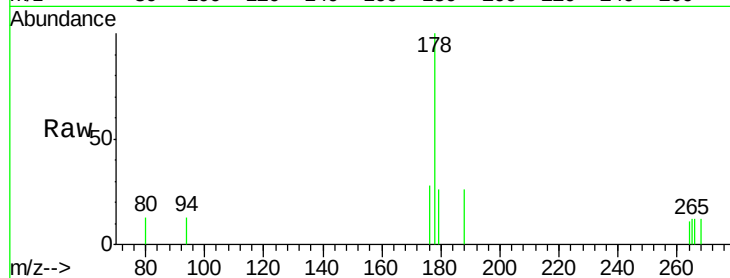




#12
Phenanthrene
Concen: 0.36 ng/ul
RT: 17.14 min Scan# 1028
Delta R.T. 0.02 min
Lab File: BM008518.D
Acq: 21 Dec 2016 15:45

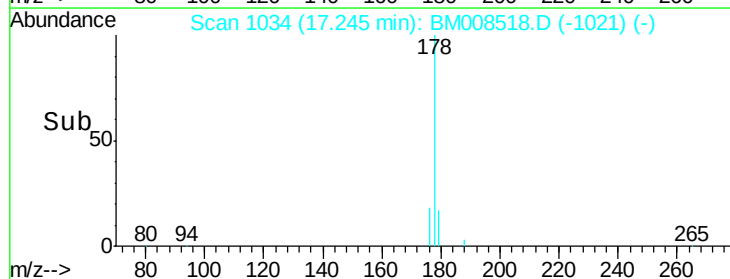
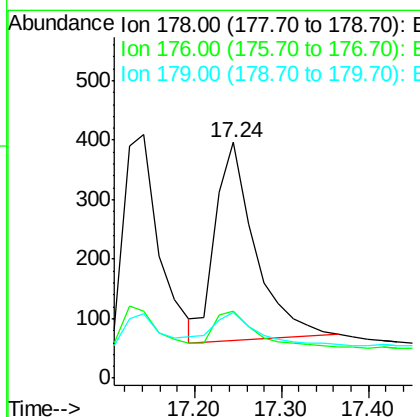
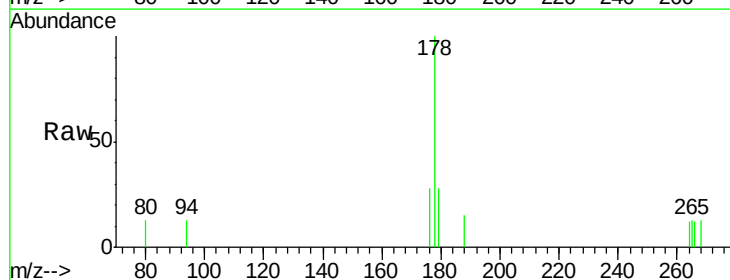
Instrument :
BNA_M
ClientSampleId :
SSTD0.454

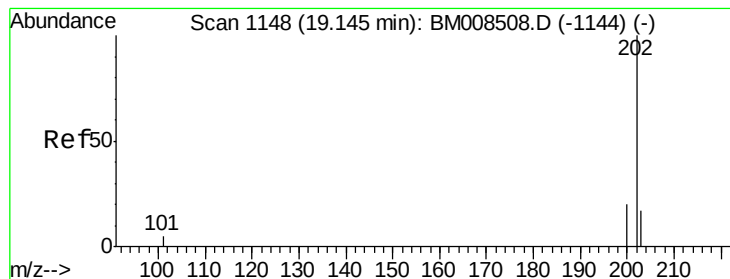
Tgt Ion:178 Resp: 1058
Ion Ratio Lower Upper
178 100
176 27.6 18.4 27.6#
179 26.4 13.6 20.4#



#13
Anthracene
Concen: 0.38 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. 0.02 min
Lab File: BM008518.D
Acq: 21 Dec 2016 15:45

Tgt Ion:178 Resp: 1061
Ion Ratio Lower Upper
178 100
176 28.3 18.1 27.1#
179 27.8 14.7 22.1#





#15

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

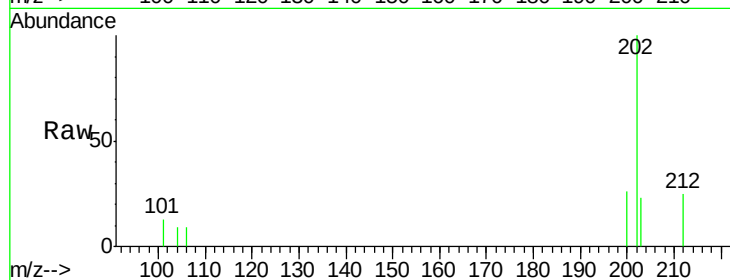
Tgt Ion:202 Resp: 1390

Ion Ratio Lower Upper

202 100

101 13.0 0.0 30.3

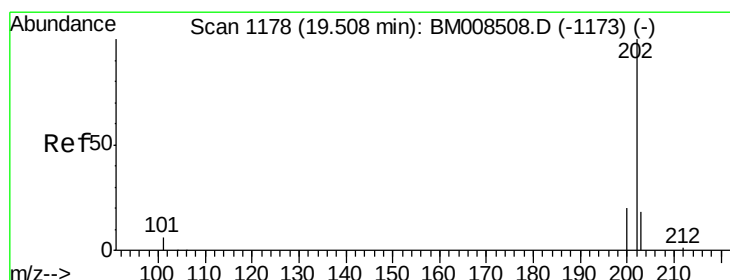
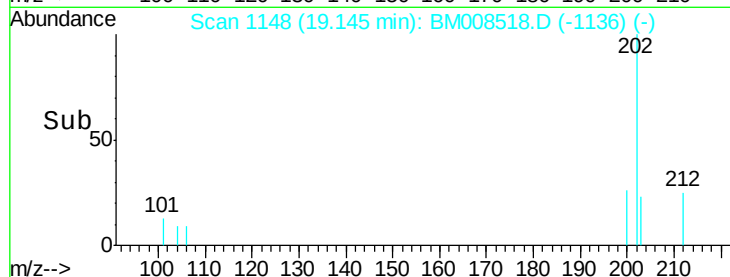
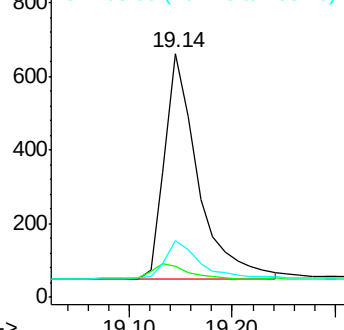
203 23.4 0.0 39.5



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: 0.40 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

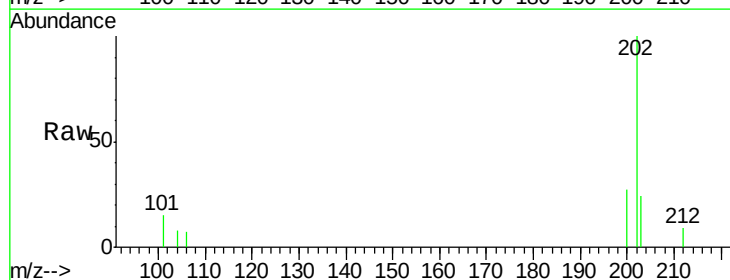
Tgt Ion:202 Resp: 1496

Ion Ratio Lower Upper

202 100

200 27.2 18.2 27.4

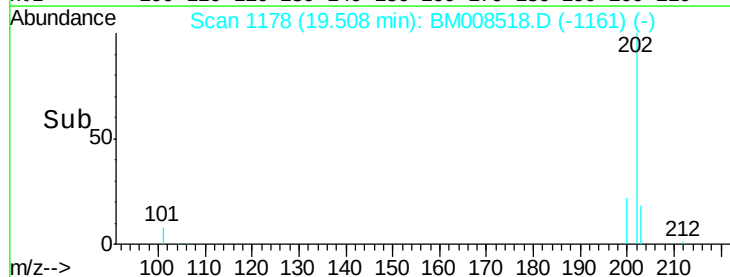
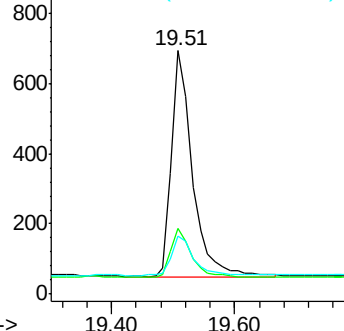
203 24.1 15.6 23.4#

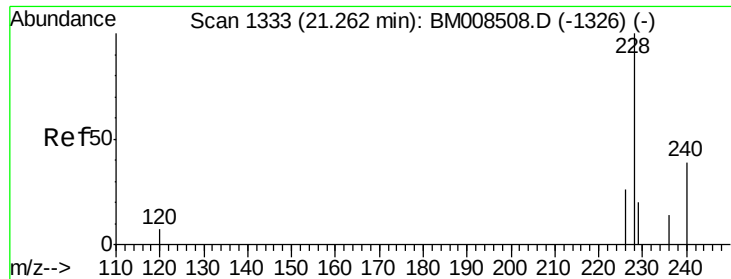


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

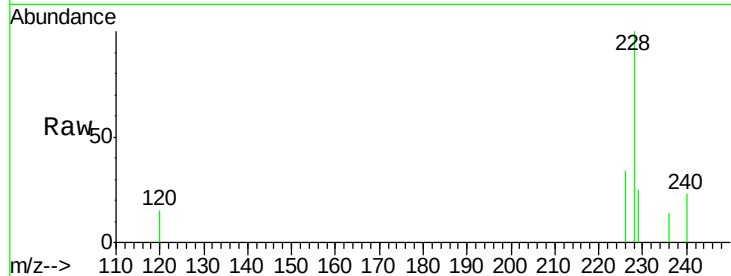
Tgt Ion:228 Resp: 1281

Ion Ratio Lower Upper

228 100

226 33.8 22.8 34.2

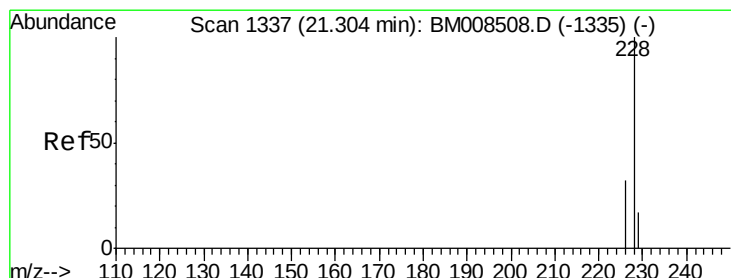
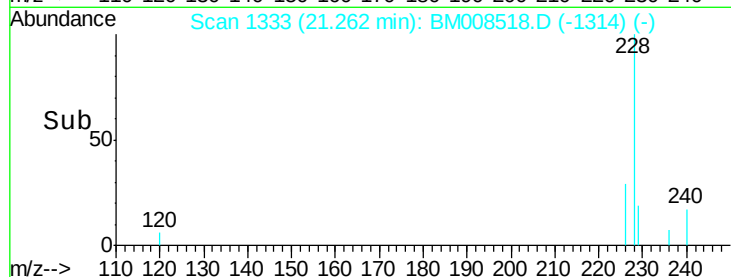
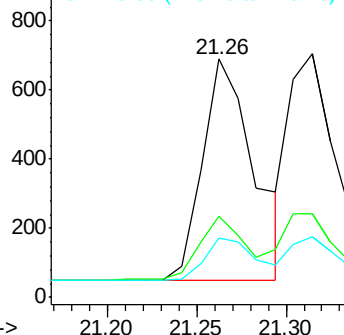
229 25.1 17.0 25.6



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: 21.31 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

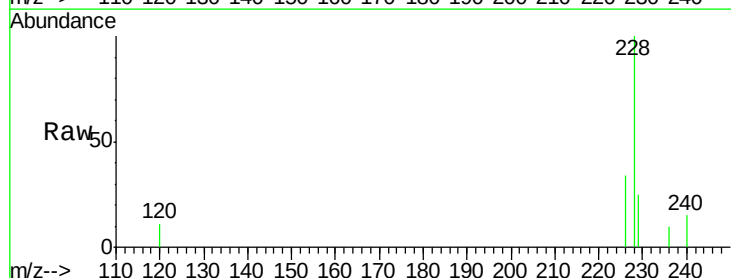
Tgt Ion:228 Resp: 1369

Ion Ratio Lower Upper

228 100

226 34.3 23.4 35.0

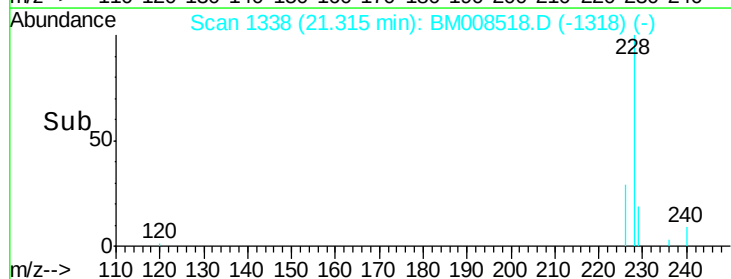
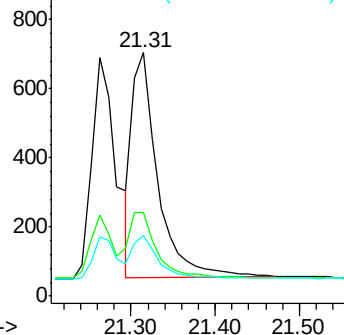
229 24.8 17.7 26.5

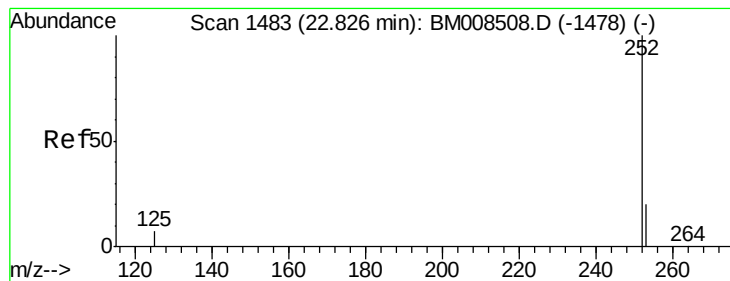


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.84 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

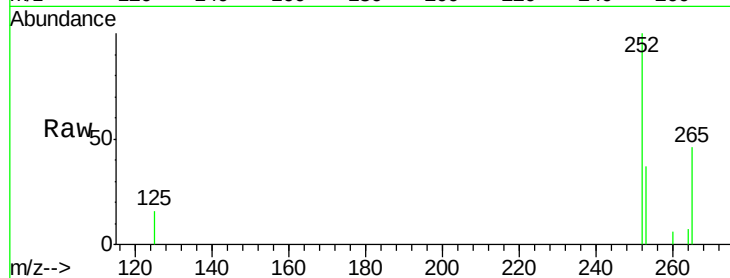
Tgt Ion:252 Resp: 1318

Ion Ratio Lower Upper

252 100

253 36.6 0.0 64.2

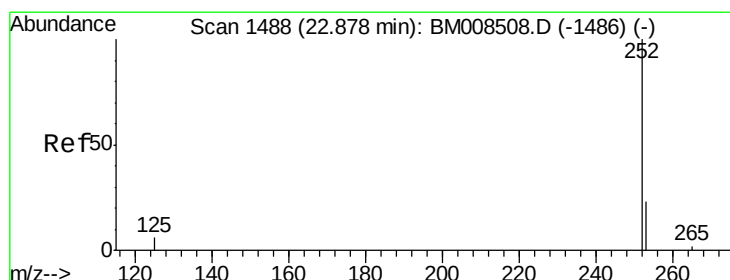
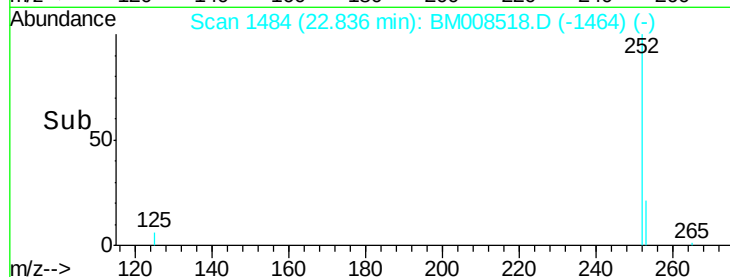
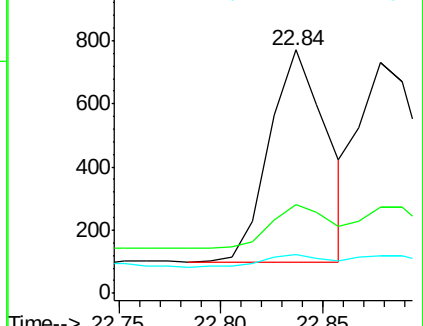
125 16.0 0.0 35.0



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: 0.36 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.04 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

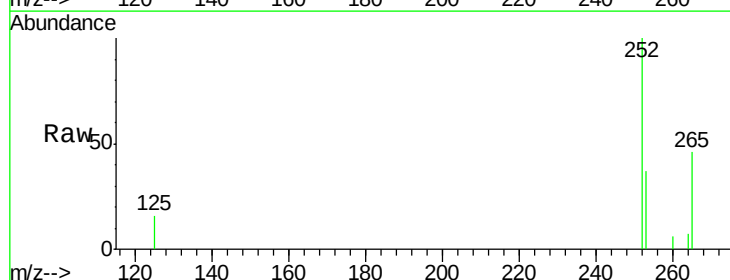
Tgt Ion:252 Resp: 1318

Ion Ratio Lower Upper

252 100

253 36.6 24.5 36.7

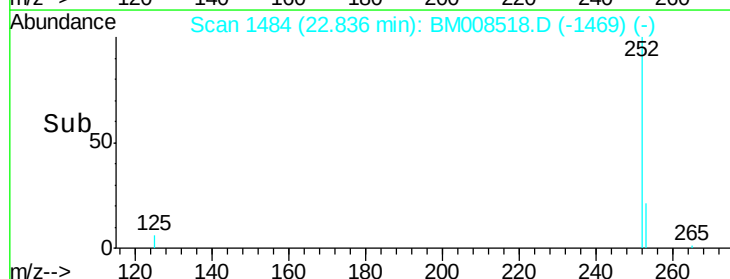
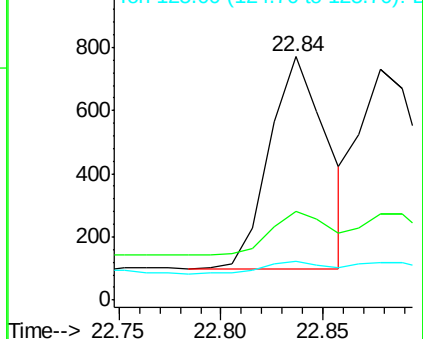
125 16.0 13.7 20.5

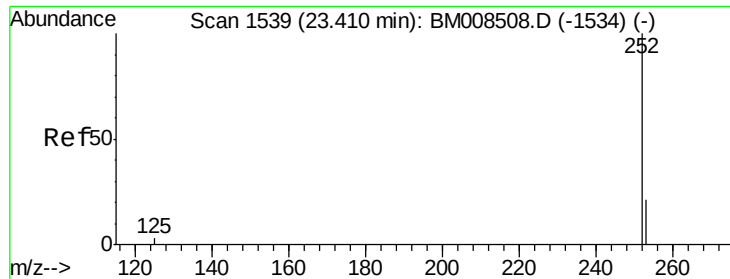


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.42 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

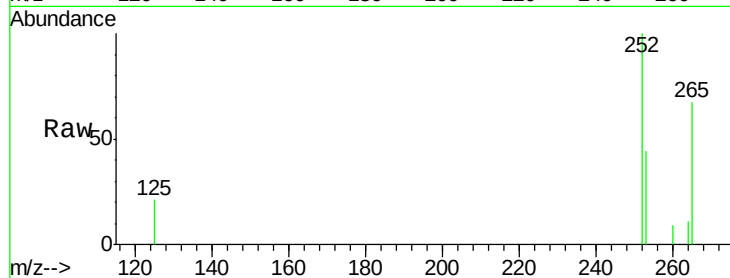
Tgt Ion: 252 Resp: 1369

Ion Ratio Lower Upper

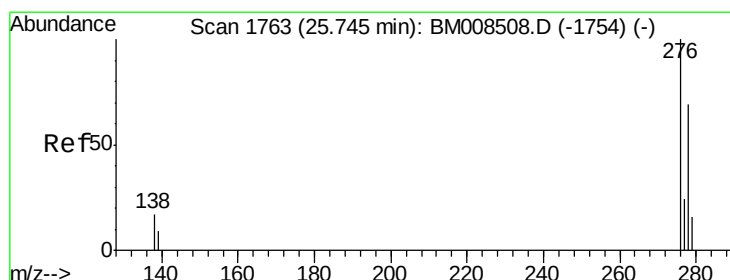
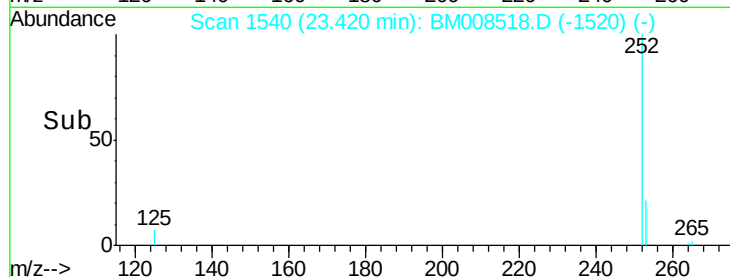
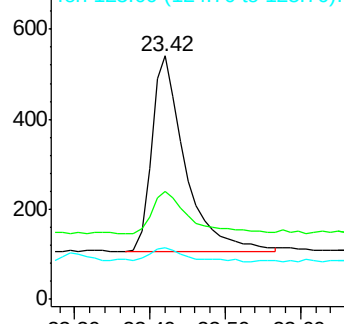
252 100

253 44.4 28.5 42.7#

125 21.1 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: 25.76 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BM008518.D

Acq: 21 Dec 2016 15:45

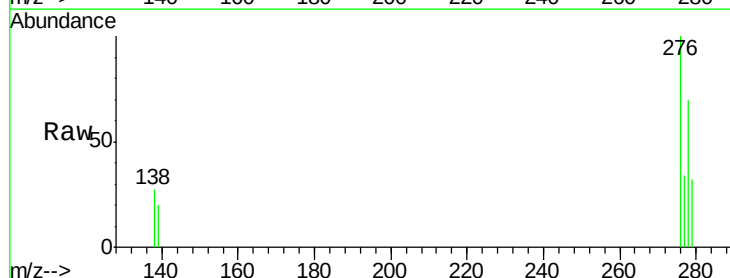
Tgt Ion: 276 Resp: 1713

Ion Ratio Lower Upper

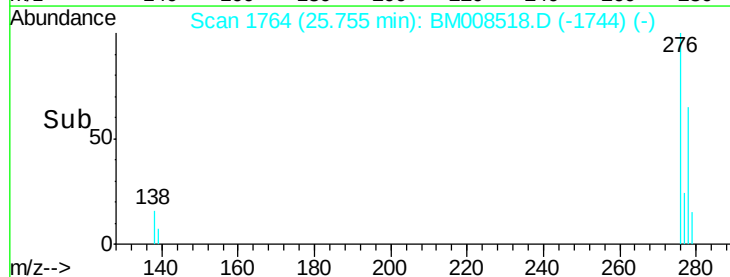
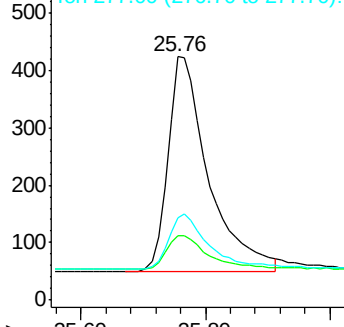
276 100

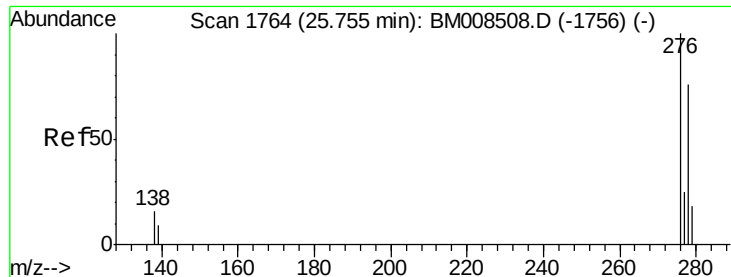
138 16.5 19.1 28.7#

277 24.8 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



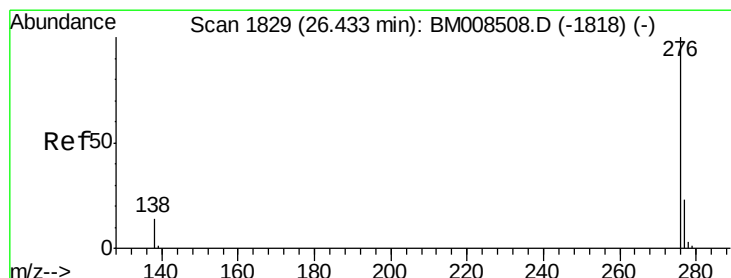
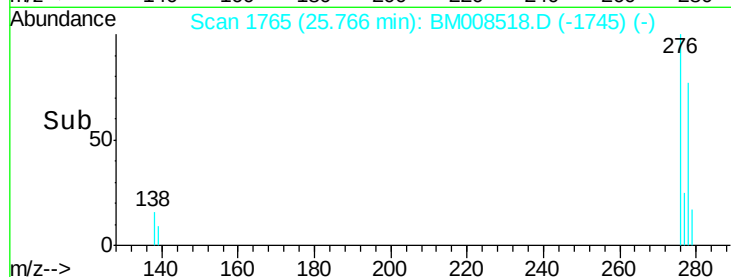
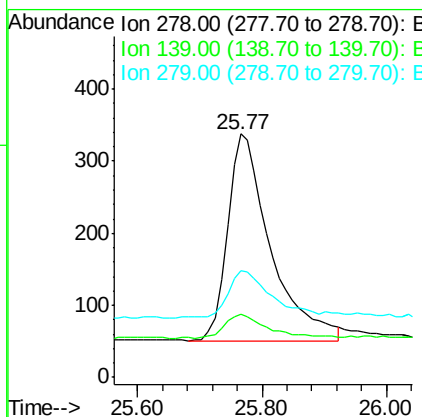
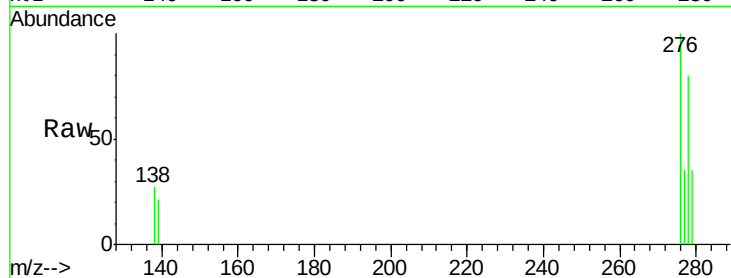


#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BM008518.D
Acq: 21 Dec 2016 15:45

Instrument :
BNA_M
ClientSampleId :
SSTD0.454

Tgt Ion: 278 Resp: 1380

Ion	Ratio	Lower	Upper
278	100		
139	26.0	17.4	26.0
279	43.8	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.42 ng/ul
RT: 26.44 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BM008518.D
Acq: 21 Dec 2016 15:45

Tgt Ion: 276 Resp: 1522

Ion	Ratio	Lower	Upper
276	100		
277	34.8	21.8	32.8#
138	27.5	20.5	30.7

