

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008179.D
 Acq On : 03 Dec 2016 04:46
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.464

Quant Time: Dec 03 05:33:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 04:54:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	406	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	1343	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	691	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1236	0.40	ng/ul	0.00
16) Chrysene-d12	21.29	240	1156	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	1188	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	718	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	1266	0.36	ng/ul	0.00

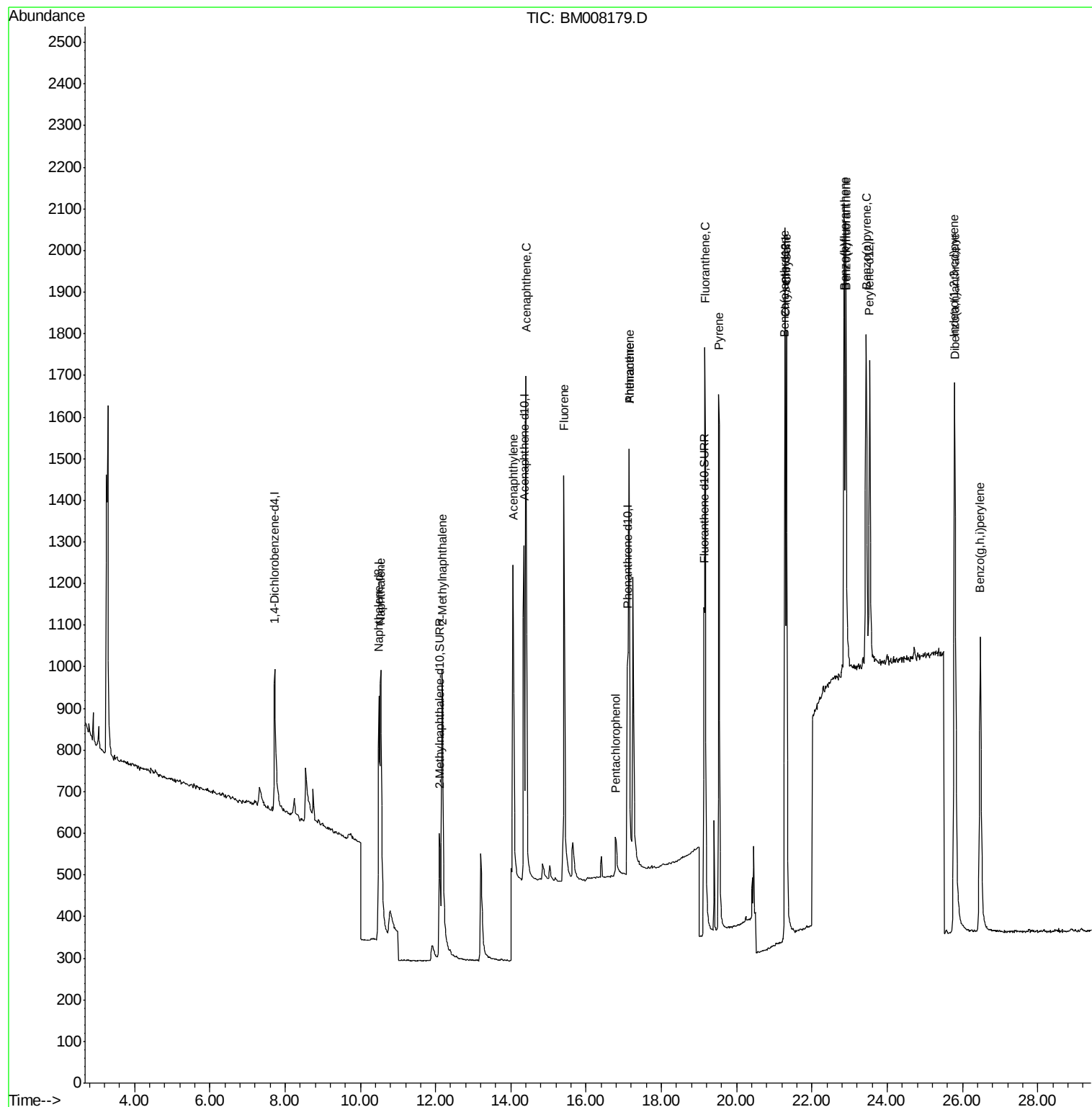
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	1427	0.38	ng/ul#	87
5) 2-Methylnaphthalene	12.17	142	906	0.37	ng/ul	97
7) Acenaphthylene	14.06	152	1288	0.41	ng/ul#	90
8) Acenaphthene	14.40	153	923	0.39	ng/ul	96
9) Fluorene	15.41	166	1014	0.37	ng/ul	89
11) Pentachlorophenol	16.78	266	143	0.33	ng/ul	89
12) Phenanthrene	17.14	178	1465	0.38	ng/ul#	95
13) Anthracene	17.14	178	1465	0.41	ng/ul	96
15) Fluoranthene	19.16	202	1724	0.35	ng/ul	94
17) Pyrene	19.52	202	1836	0.46	ng/ul	94
18) Benzo(a)anthracene	21.27	228	1523	0.43	ng/ul	94
19) Chrysene	21.32	228	1633	0.37	ng/ul	95
21) Benzo(b)fluoranthene	22.86	252	1702	0.36	ng/ul	93
22) Benzo(k)fluoranthene	22.90	252	1771	0.36	ng/ul	92
23) Benzo(a)pyrene	23.44	252	1648	0.37	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.79	276	2115	0.39	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.80	278	1681	0.38	ng/ul#	92
26) Benzo(g,h,i)perylene	26.47	276	1858	0.38	ng/ul	95

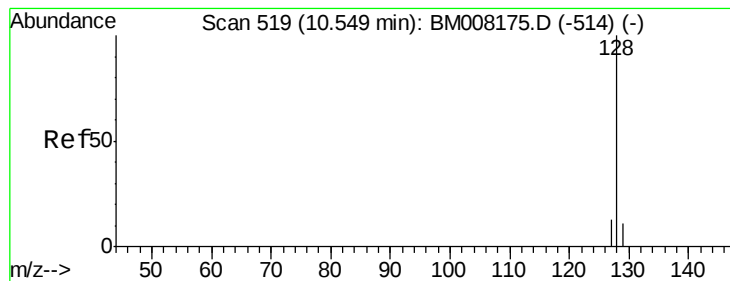
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

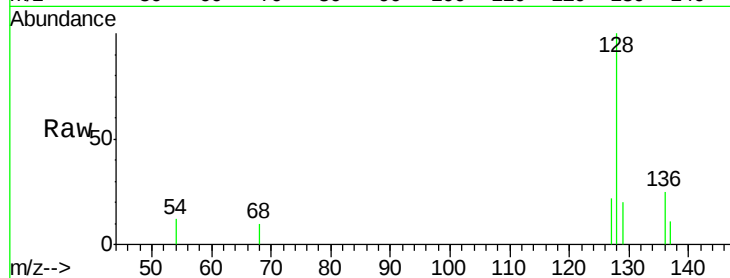
Tgt Ion:128 Resp: 1427

Ion Ratio Lower Upper

128 100

129 19.8 11.3 16.9#

127 21.6 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

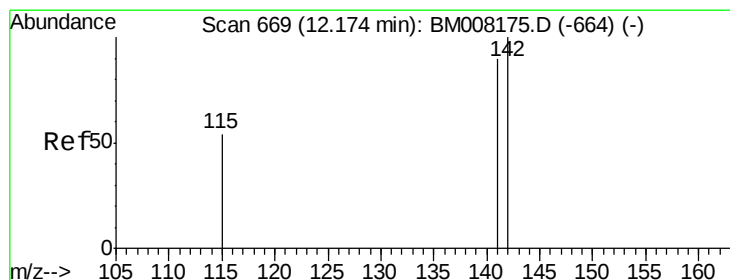
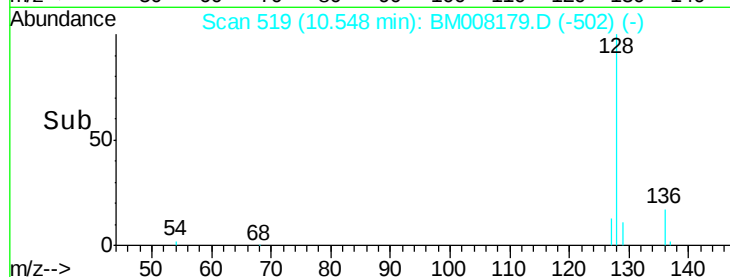
10.55

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM008179.D

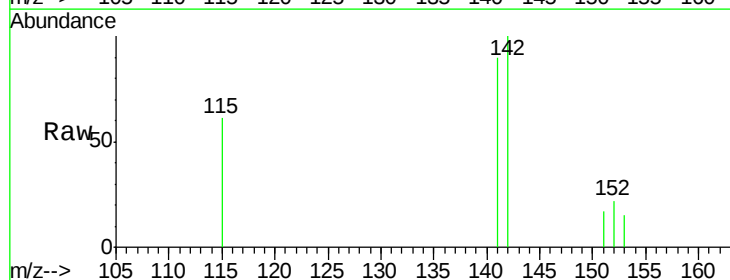
Acq: 03 Dec 2016 04:46

Tgt Ion:142 Resp: 906

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

12.17

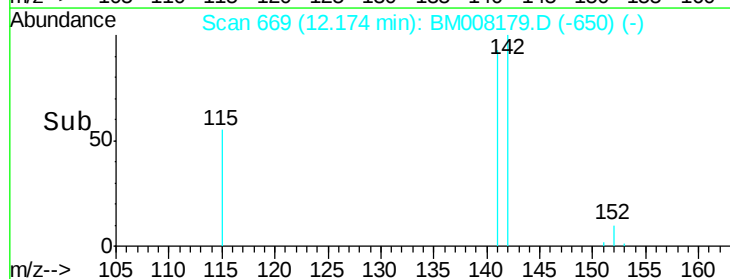
300

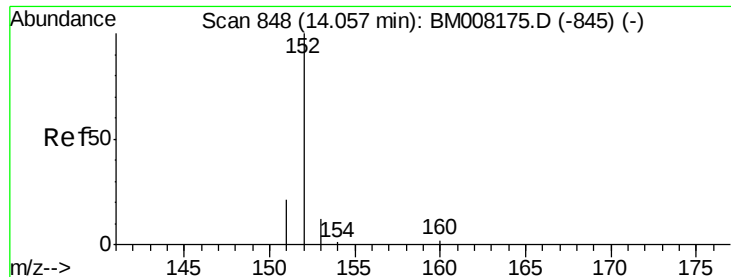
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

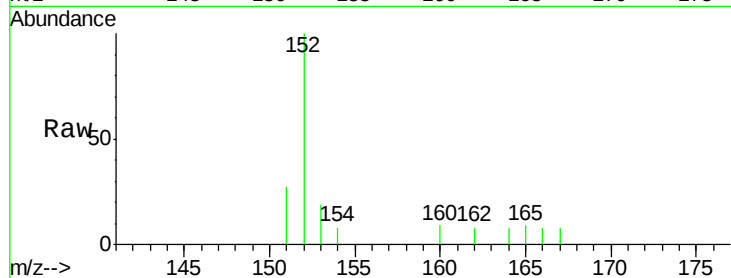
Tgt Ion:152 Resp: 1288

Ion Ratio Lower Upper

152 100

151 26.8 17.1 25.7#

153 19.4 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

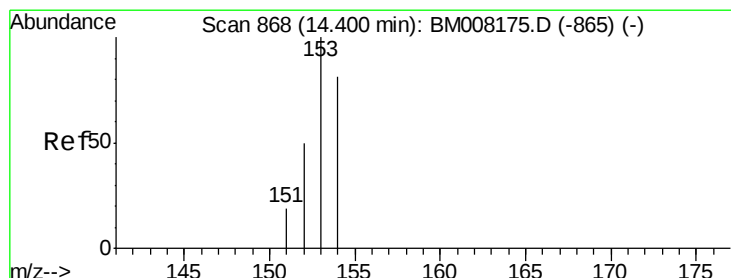
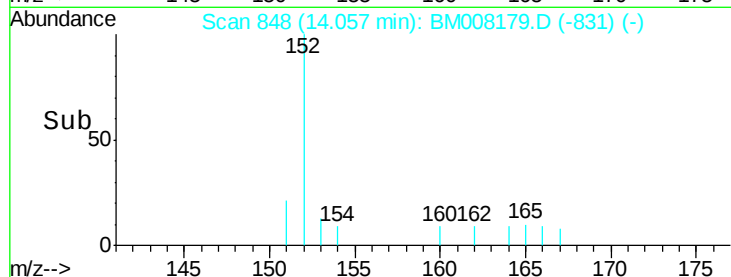
400

200

0

Time-->

14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

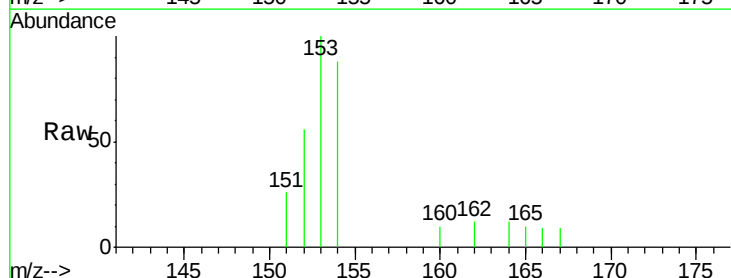
Tgt Ion:153 Resp: 923

Ion Ratio Lower Upper

153 100

152 55.6 40.3 60.5

154 88.0 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

14.40

600

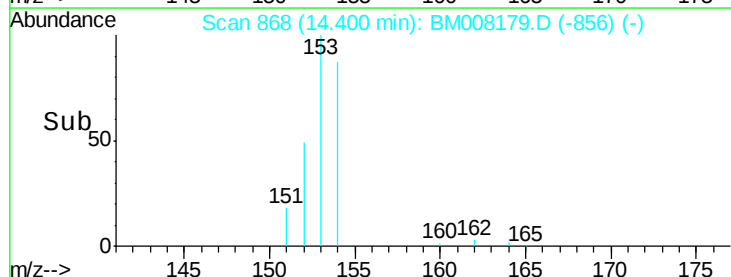
400

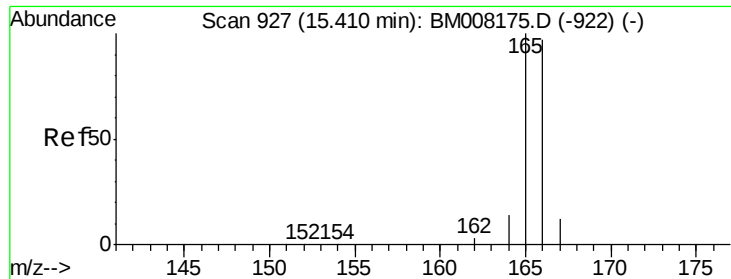
200

0

Time-->

14.30 14.40 14.50

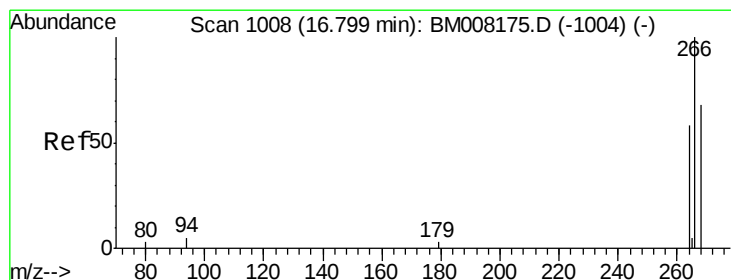
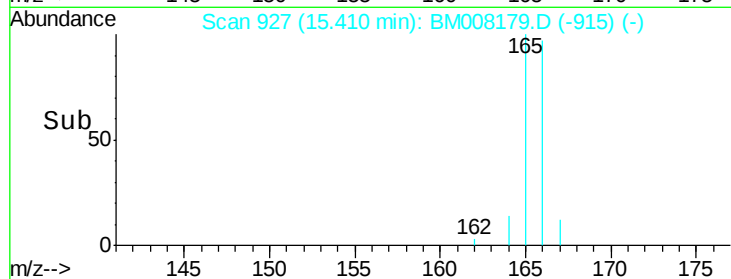
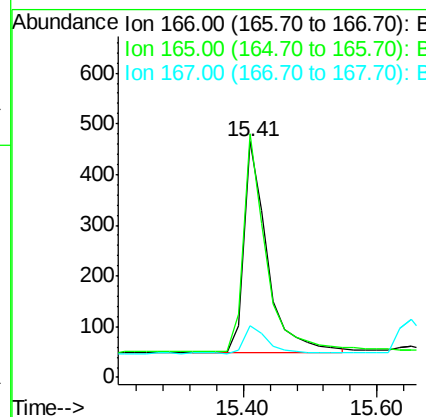
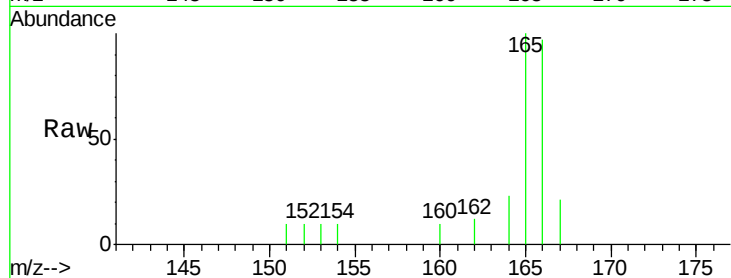




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BM008179.D
 Acq: 03 Dec 2016 04:46

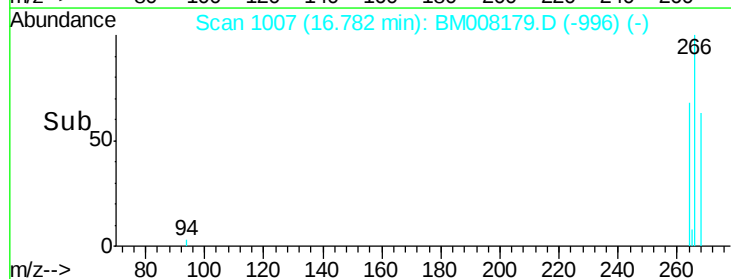
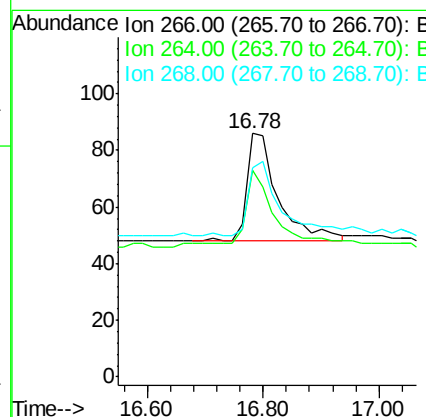
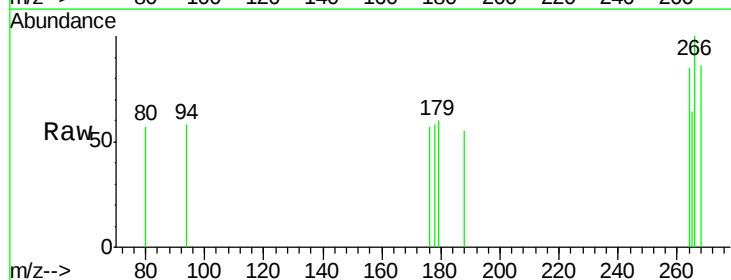
Instrument :
 BNA_M
 ClientSampleId :
 SST0.464

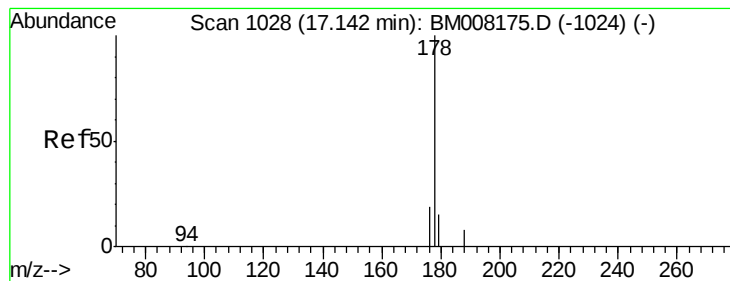
Tgt Ion:166 Resp: 1014
 Ion Ratio Lower Upper
 166 100
 165 103.2 73.4 110.2
 167 21.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BM008179.D
 Acq: 03 Dec 2016 04:46

Tgt Ion:266 Resp: 143
 Ion Ratio Lower Upper
 266 100
 264 68.5 47.9 71.9
 268 69.9 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

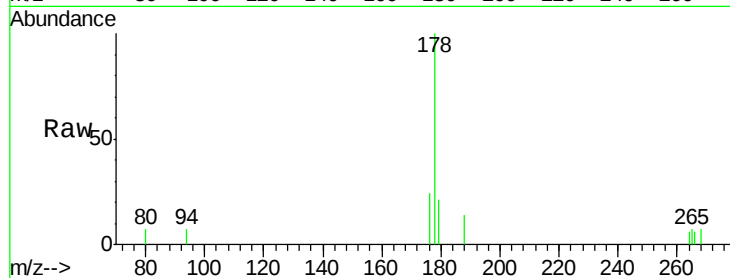
Tgt Ion:178 Resp: 1465

Ion Ratio Lower Upper

178 100

176 24.0 18.4 27.6

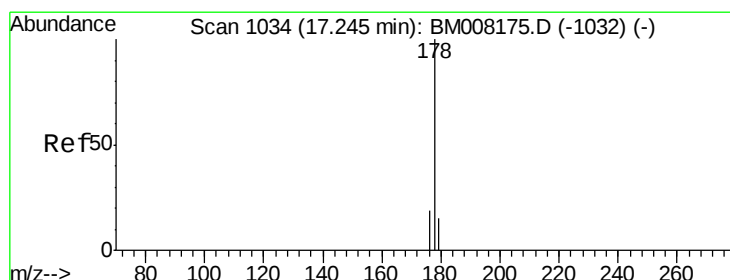
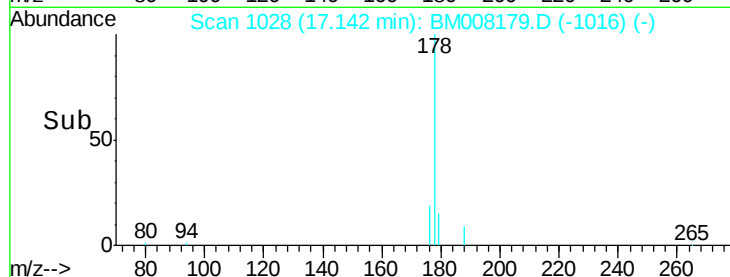
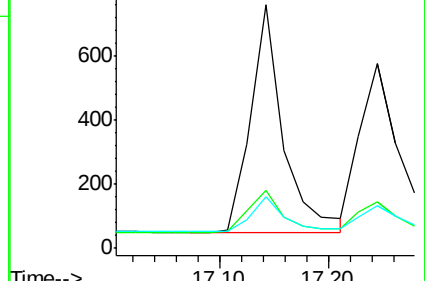
179 21.2 13.6 20.4#



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: 0.41 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.10 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

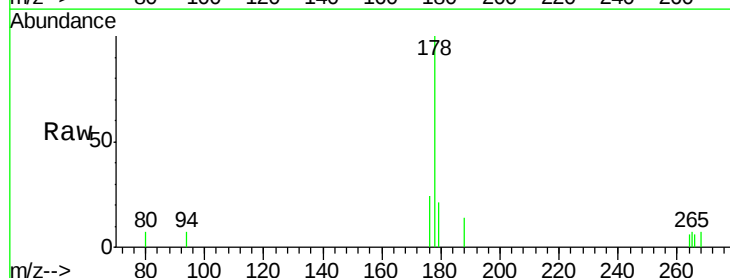
Tgt Ion:178 Resp: 1465

Ion Ratio Lower Upper

178 100

176 24.0 18.1 27.1

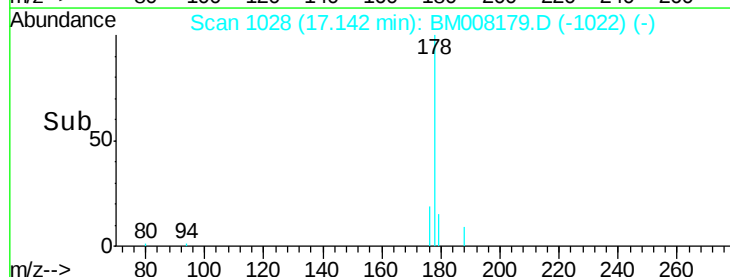
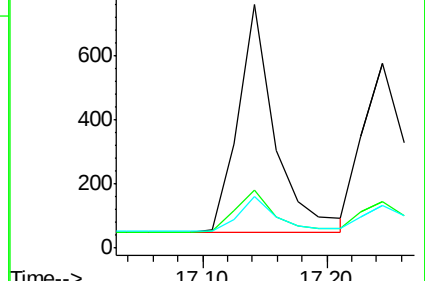
179 21.2 14.7 22.1

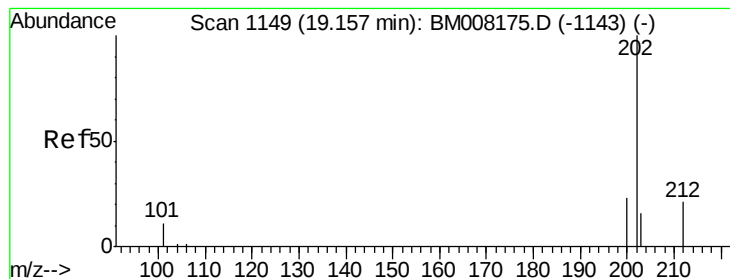


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.35 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

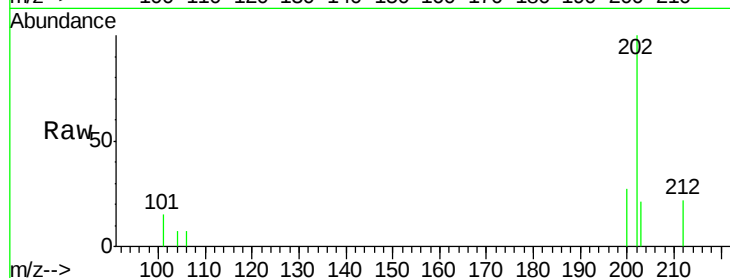
Tgt Ion:202 Resp: 1724

Ion Ratio Lower Upper

202 100

101 15.3 0.0 30.3

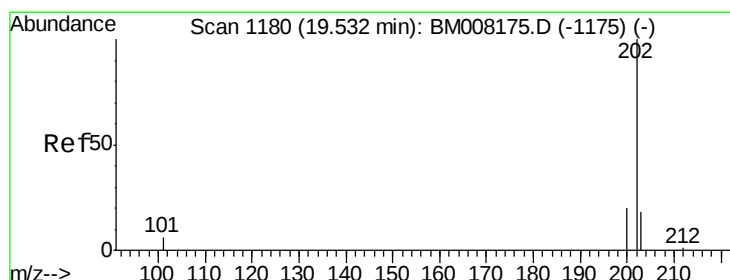
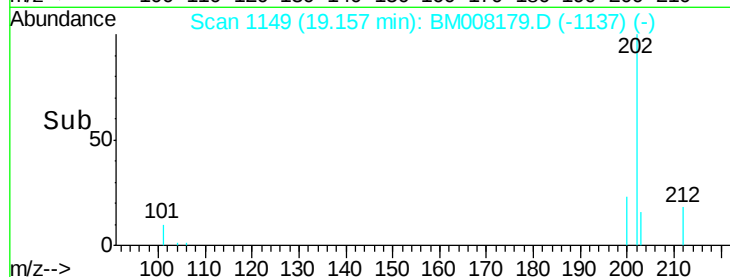
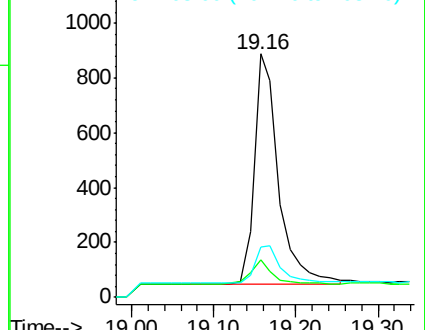
203 20.7 0.0 39.5



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: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

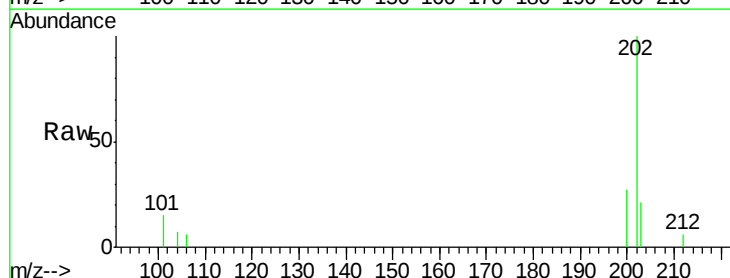
Tgt Ion:202 Resp: 1836

Ion Ratio Lower Upper

202 100

200 26.6 18.2 27.4

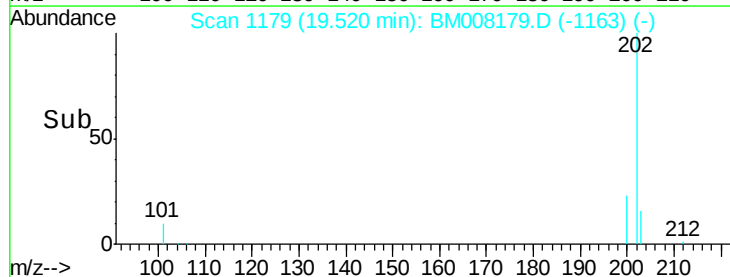
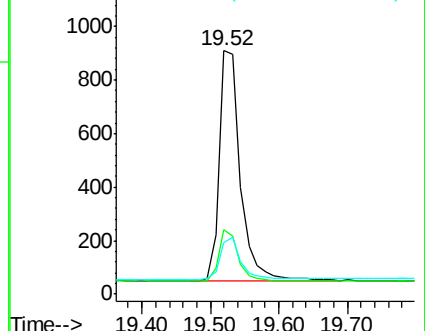
203 21.1 15.6 23.4

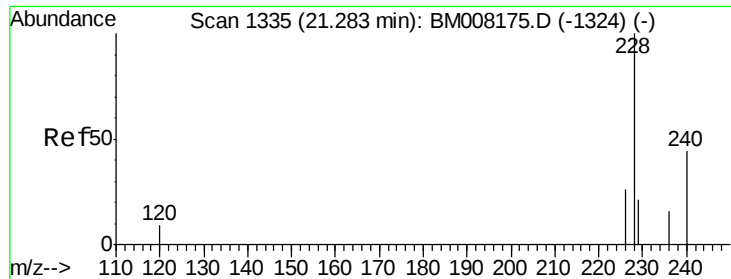


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

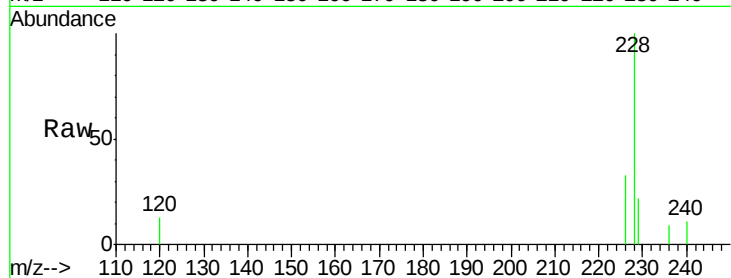
Tgt Ion:228 Resp: 1523

Ion Ratio Lower Upper

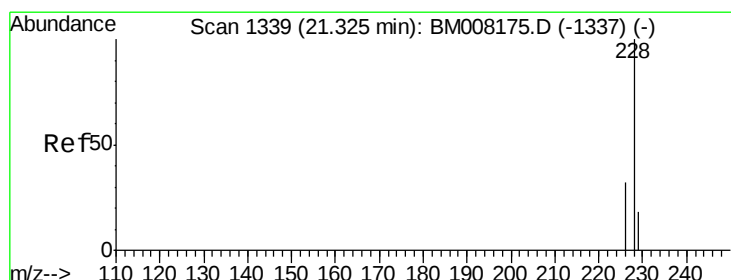
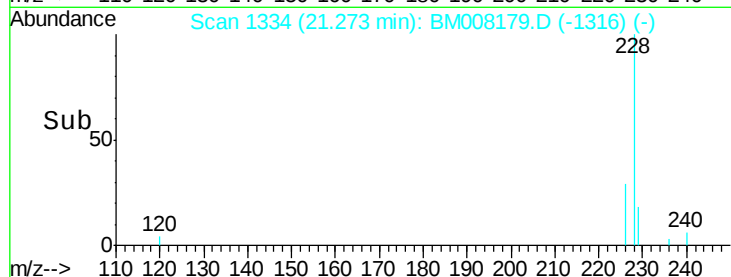
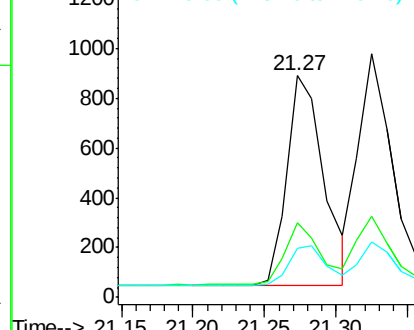
228 100

226 33.5 22.8 34.2

229 22.4 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: 21.32 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

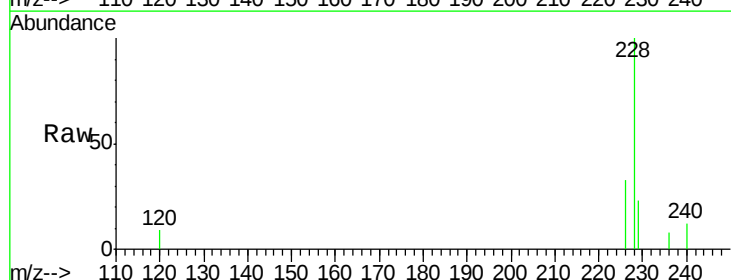
Tgt Ion:228 Resp: 1633

Ion Ratio Lower Upper

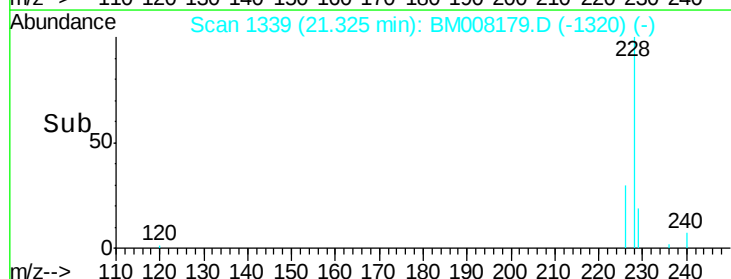
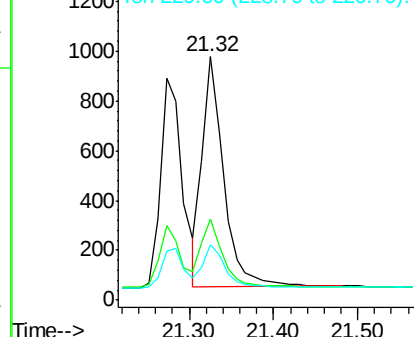
228 100

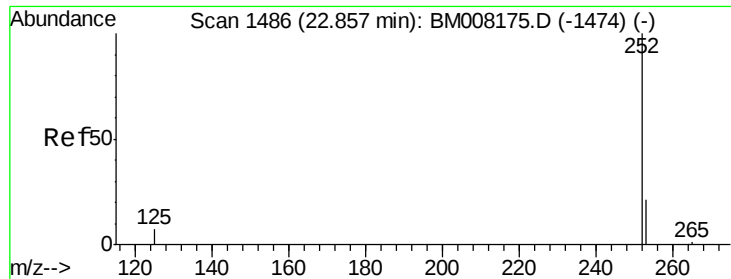
226 33.3 23.4 35.0

229 23.0 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: 0.36 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

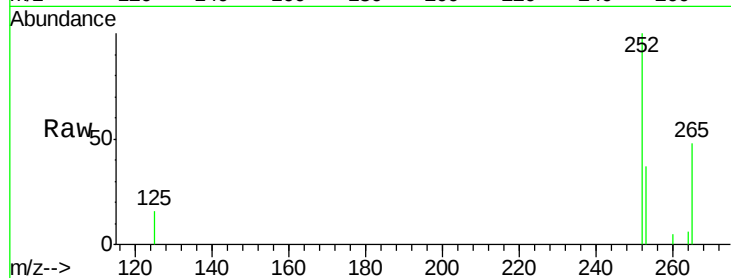
Tgt Ion:252 Resp: 1702

Ion Ratio Lower Upper

252 100

253 36.7 0.0 64.2

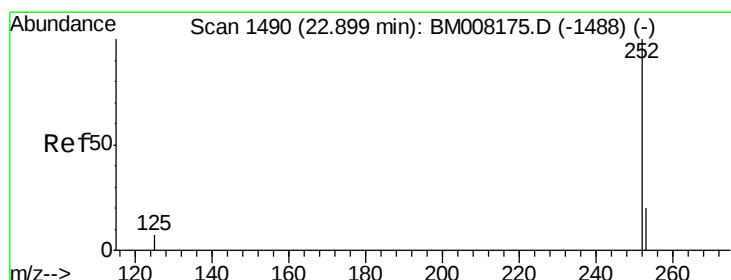
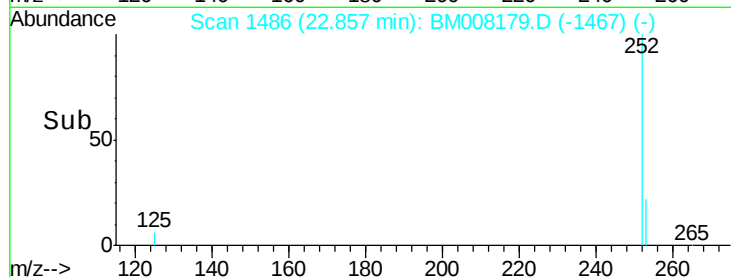
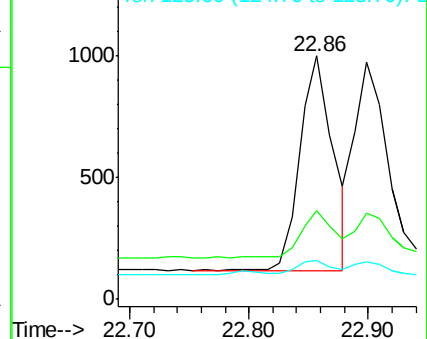
125 15.9 0.0 35.0



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: 0.36 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

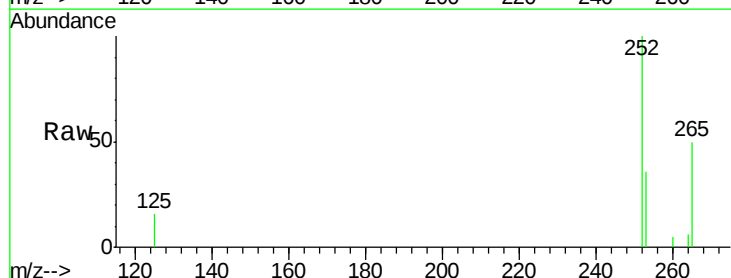
Tgt Ion:252 Resp: 1771

Ion Ratio Lower Upper

252 100

253 36.3 24.5 36.7

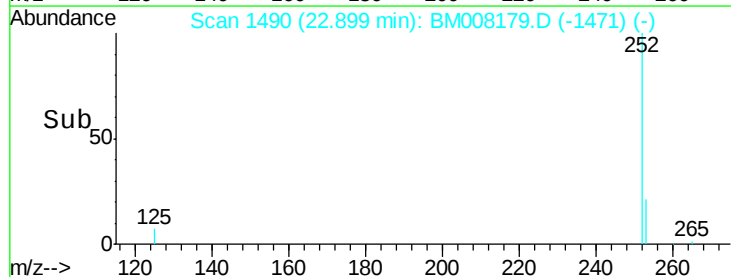
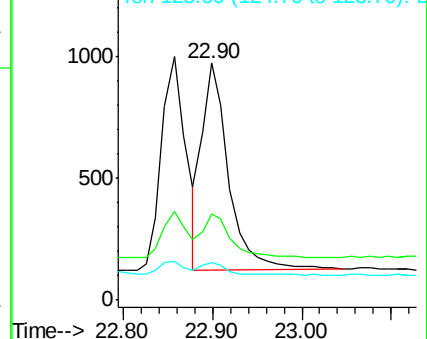
125 15.9 13.7 20.5

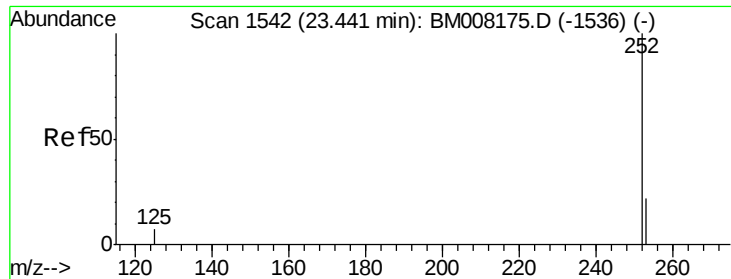


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

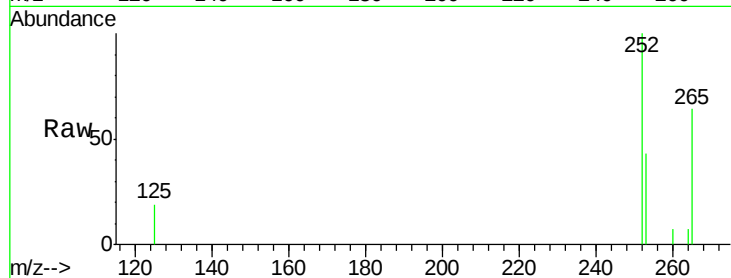
Tgt Ion: 252 Resp: 1648

Ion Ratio Lower Upper

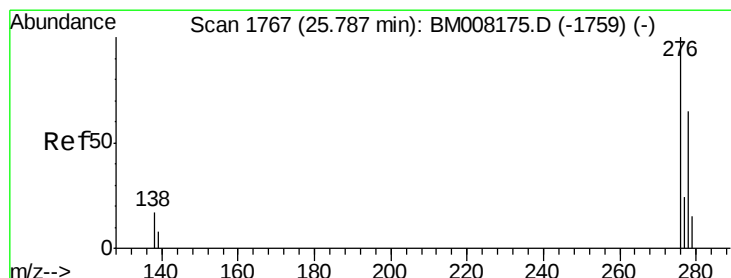
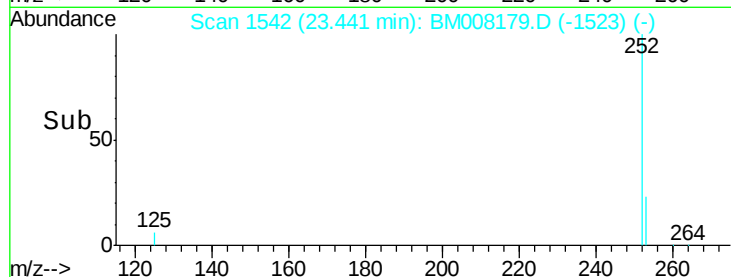
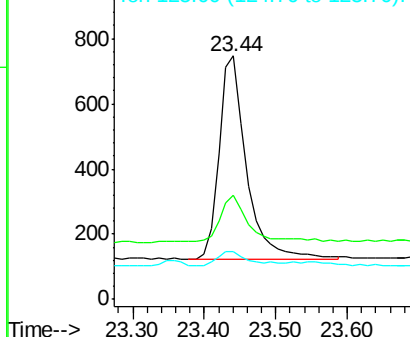
252 100

253 42.6 28.5 42.7

125 19.4 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: 25.79 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

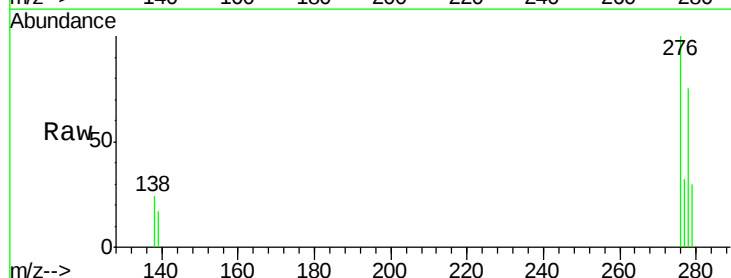
Tgt Ion: 276 Resp: 2115

Ion Ratio Lower Upper

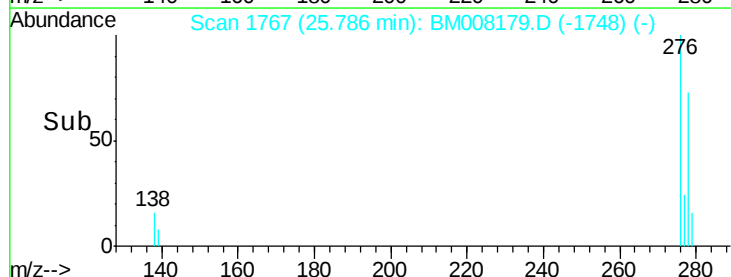
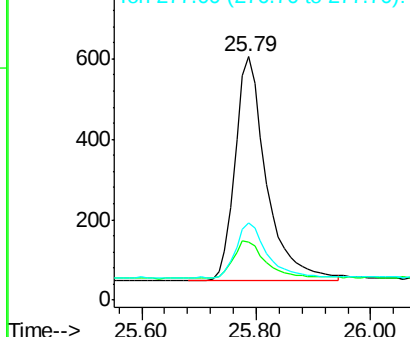
276 100

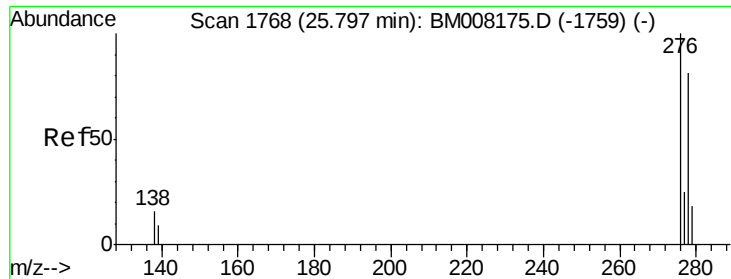
138 18.4 19.1 28.7#

277 24.6 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: 25.80 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.464

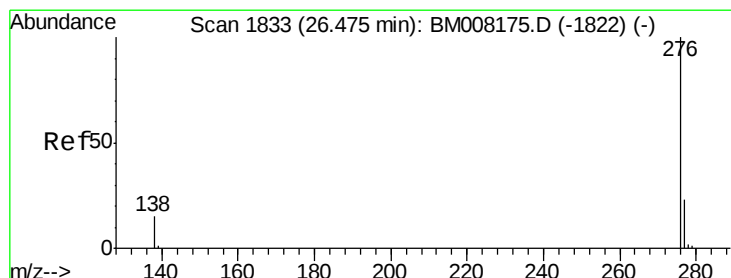
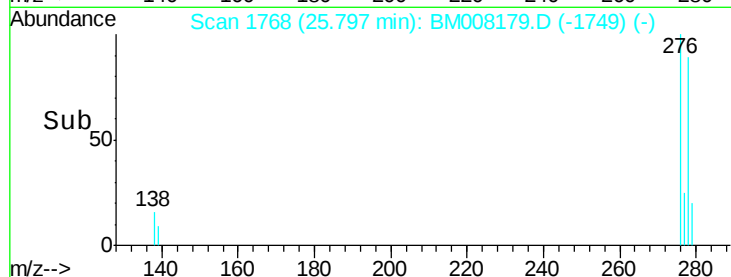
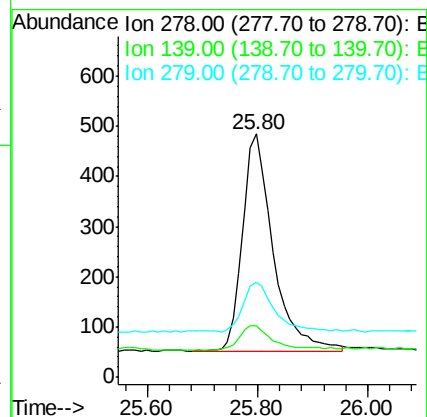
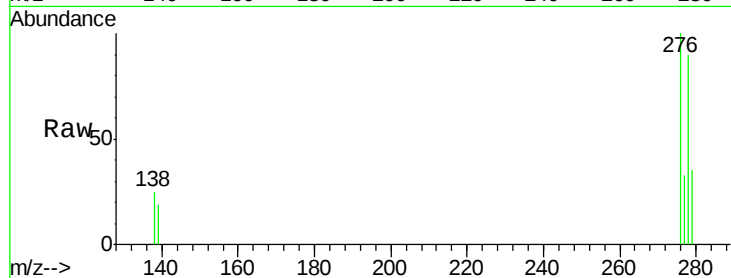
Tgt Ion: 278 Resp: 1681

Ion Ratio Lower Upper

278 100

139 21.0 17.4 26.0

279 39.0 25.9 38.9#



#26

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM008179.D

Acq: 03 Dec 2016 04:46

Tgt Ion: 276 Resp: 1858

Ion Ratio Lower Upper

276 100

277 30.6 21.8 32.8

138 23.7 20.5 30.7

