

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030617\
 Data File : BM009082.D
 Acq On : 06 Mar 2017 15:38
 Operator : SJ/MA
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.442

Quant Time: Mar 07 03:30:30 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 23:57:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	168	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	480	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	271	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.28	188	654	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	712	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	655	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	321	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	796	0.39	ng/ul	0.00

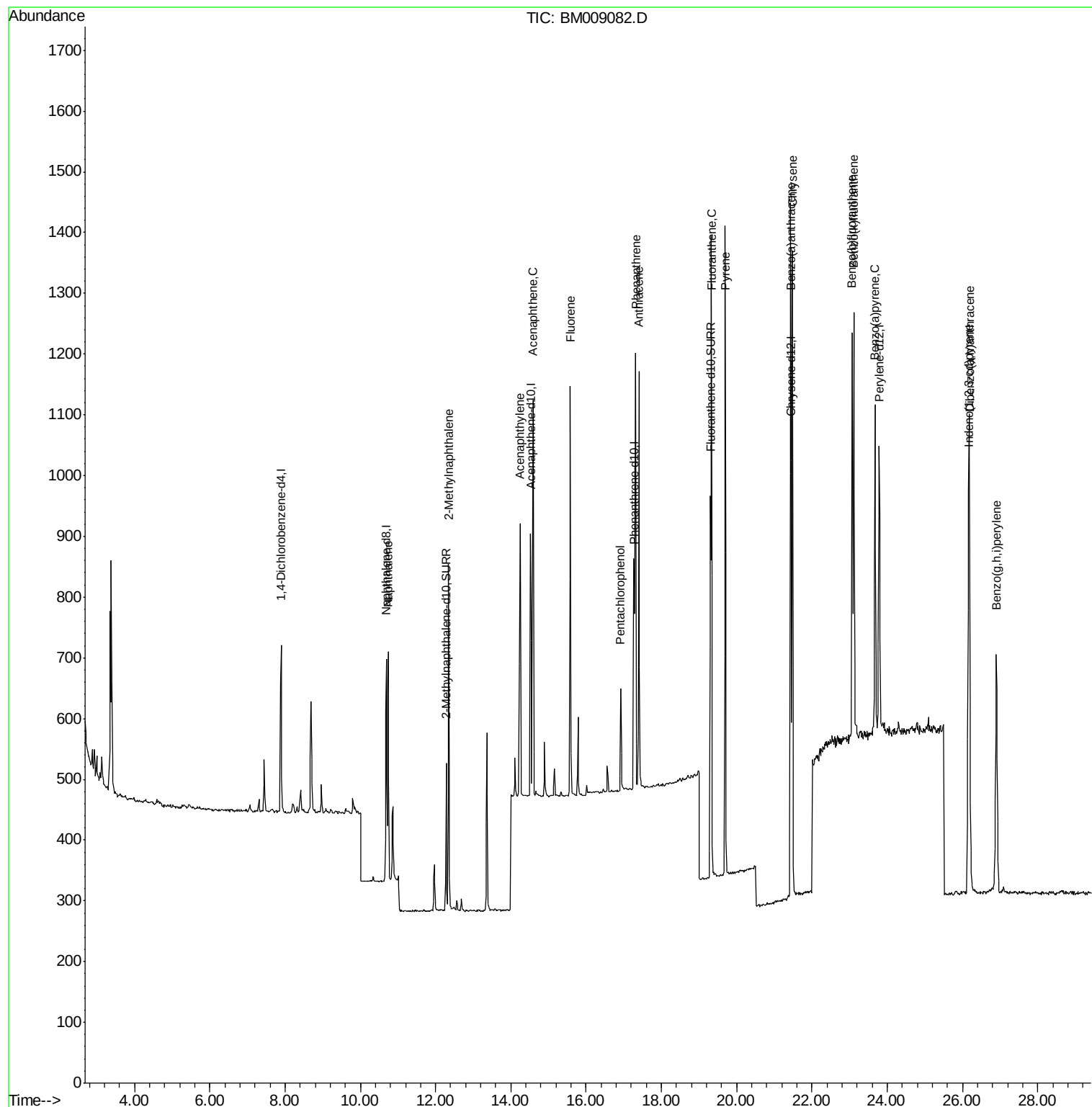
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	560	0.40	ng/ul#	80
5) 2-Methylnaphthalene	12.35	142	393	0.39	ng/ul	98
7) Acenaphthylene	14.25	152	578	0.41	ng/ul#	82
8) Acenaphthene	14.59	153	430	0.40	ng/ul	97
9) Fluorene	15.58	166	495	0.39	ng/ul#	95
11) Pentachlorophenol	16.92	266	121	0.38	ng/ul	94
12) Phenanthrene	17.31	178	820	0.40	ng/ul#	92
13) Anthracene	17.40	178	773	0.38	ng/ul#	92
15) Fluoranthene	19.33	202	1014	0.38	ng/ul	96
17) Pyrene	19.69	202	1026	0.42	ng/ul	94
18) Benzo(a)anthracene	21.43	228	943	0.40	ng/ul	94
19) Chrysene	21.48	228	908	0.40	ng/ul	93
21) Benzo(b)fluoranthene	23.07	252	1063	0.41	ng/ul	90
22) Benzo(k)fluoranthene	23.12	252	905	0.40	ng/ul#	88
23) Benzo(a)pyrene	23.68	252	930	0.40	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.16	276	1096	0.37	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.18	278	904	0.37	ng/ul#	92
26) Benzo(g,h,i)perylene	26.90	276	920	0.37	ng/ul#	88

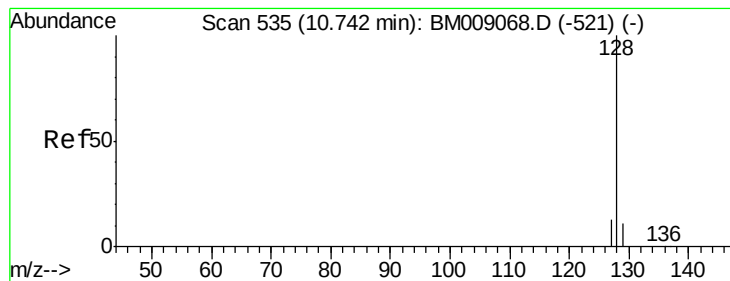
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.74 min Scan# 535

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

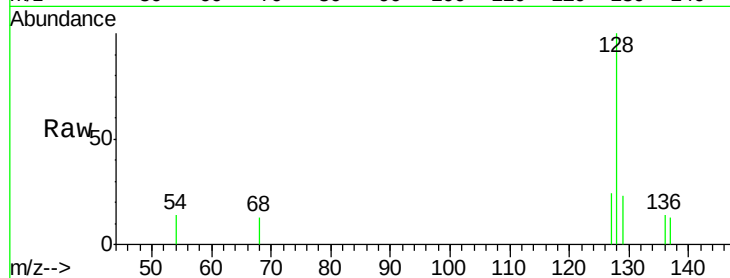
Tgt Ion:128 Resp: 560

Ion Ratio Lower Upper

128 100

129 22.9 11.3 16.9#

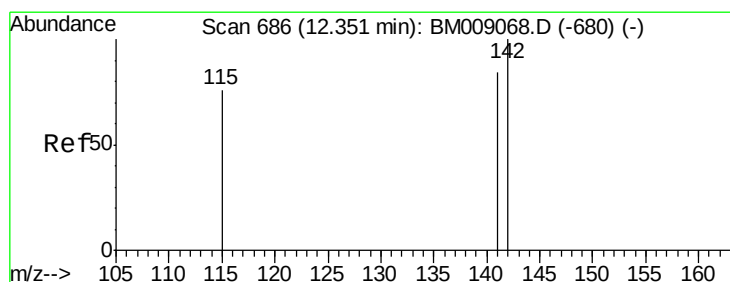
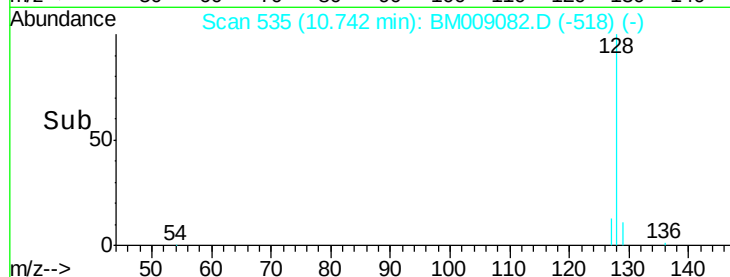
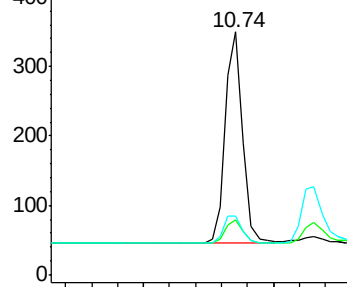
127 24.3 12.8 19.2#



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: 0.39 ng/ul

RT: 12.35 min Scan# 686

Delta R.T. 0.00 min

Lab File: BM009082.D

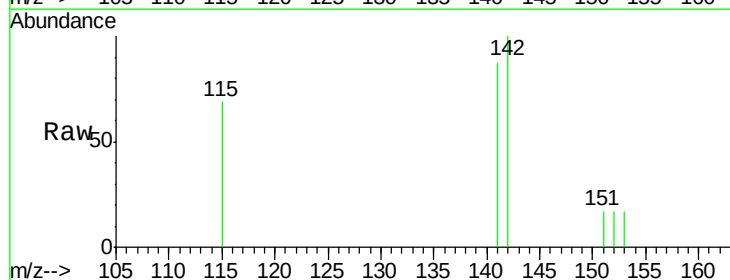
Acq: 06 Mar 2017 15:38

Tgt Ion:142 Resp: 393

Ion Ratio Lower Upper

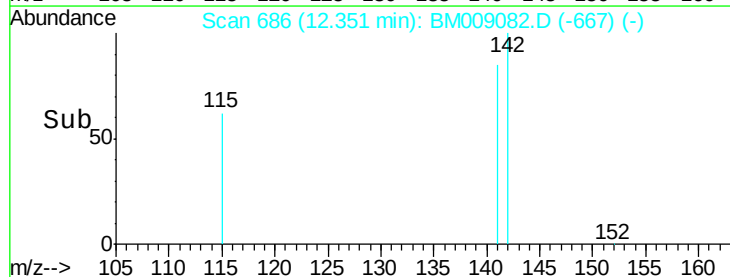
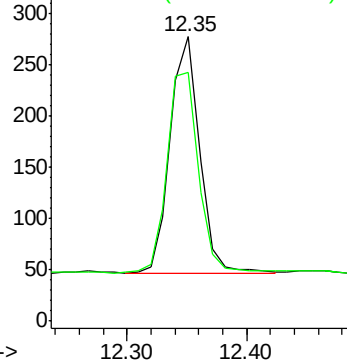
142 100

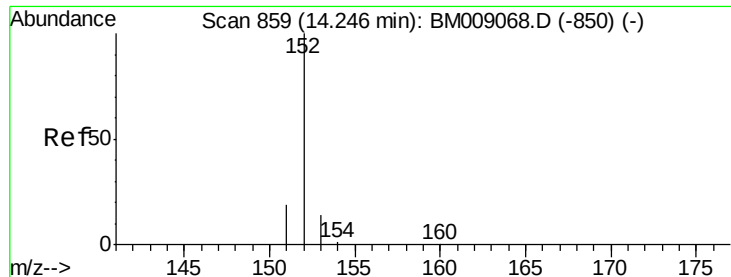
141 92.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

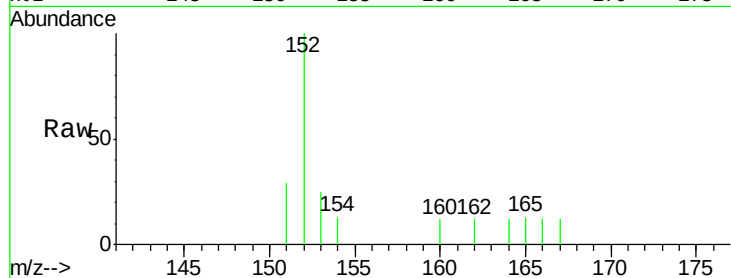
Tgt Ion:152 Resp: 578

Ion Ratio Lower Upper

152 100

151 28.5 17.1 25.7#

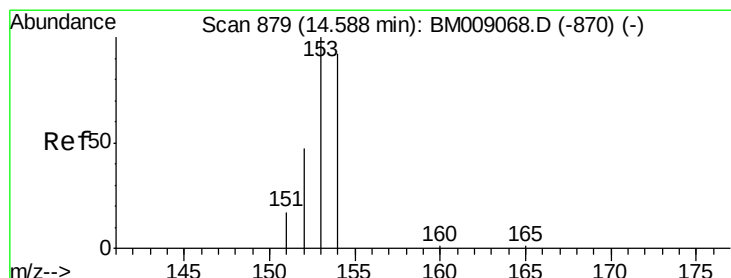
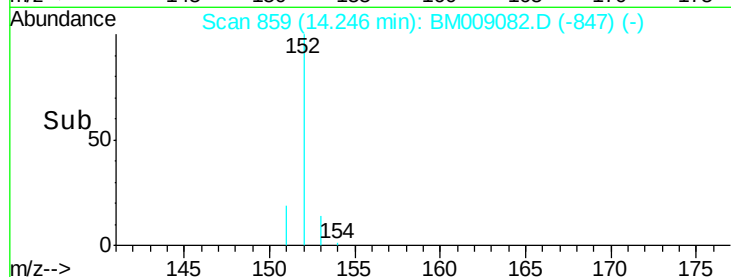
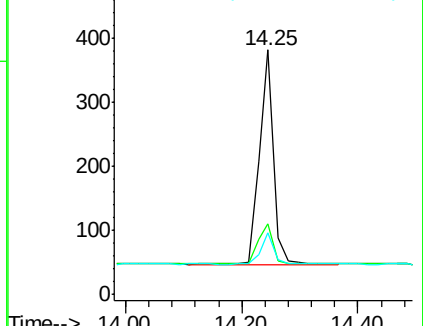
153 24.9 12.8 19.2#



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: 14.59 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

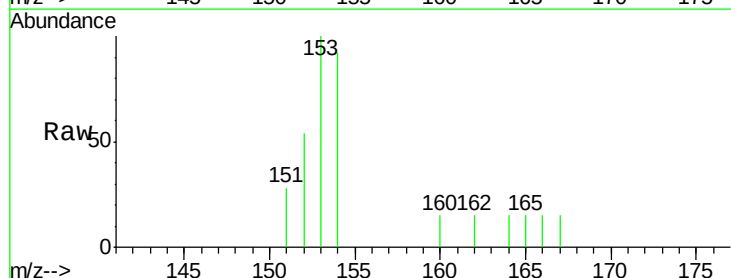
Tgt Ion:153 Resp: 430

Ion Ratio Lower Upper

153 100

152 53.7 40.3 60.5

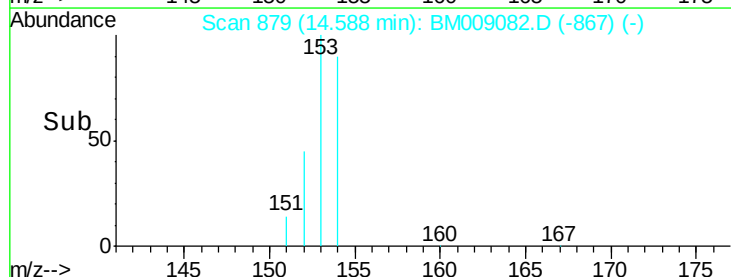
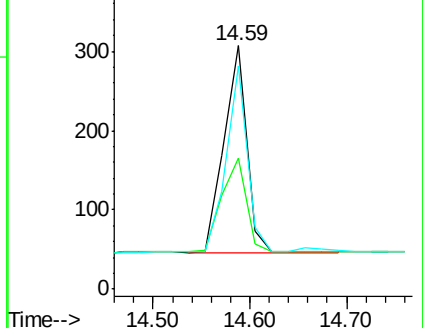
154 91.5 71.4 107.2

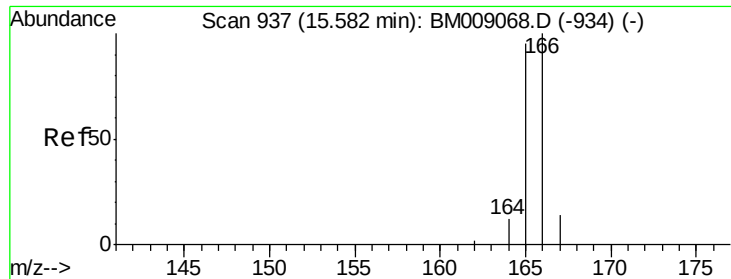


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.58 min Scan# 937

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

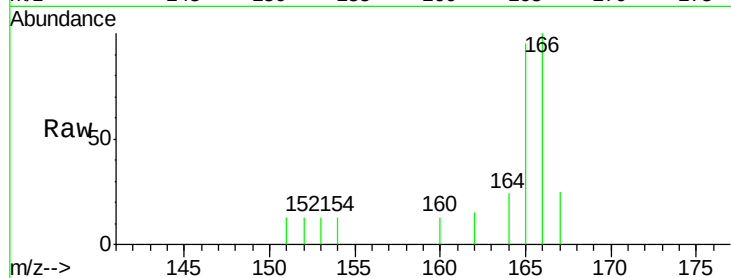
Tgt Ion:166 Resp: 495

Ion Ratio Lower Upper

166 100

165 94.6 73.4 110.2

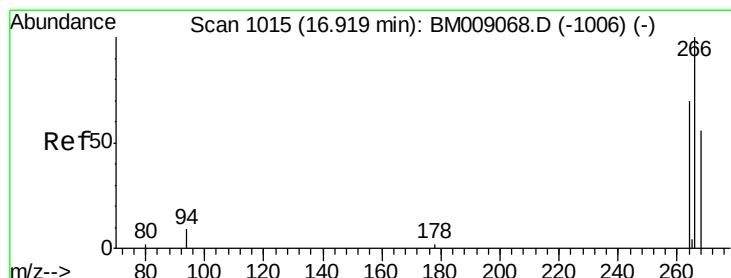
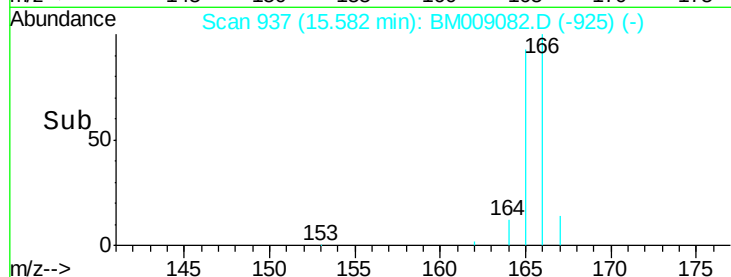
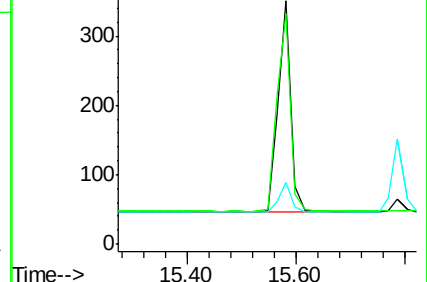
167 25.4 14.6 22.0#



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: 0.38 ng/ul

RT: 16.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

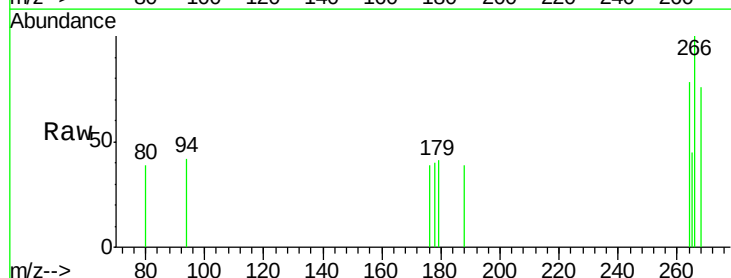
Tgt Ion:266 Resp: 121

Ion Ratio Lower Upper

266 100

264 64.5 47.9 71.9

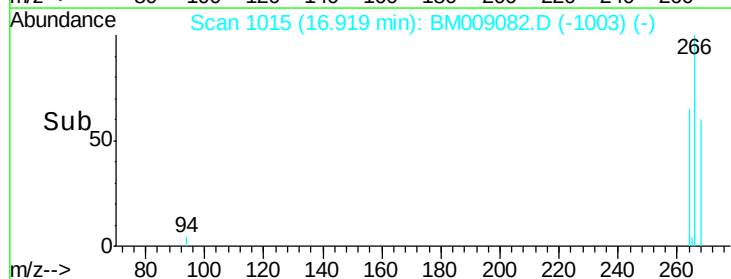
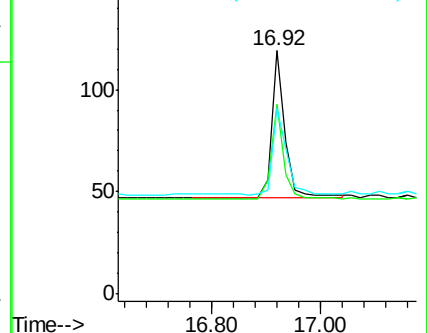
268 66.9 49.8 74.8

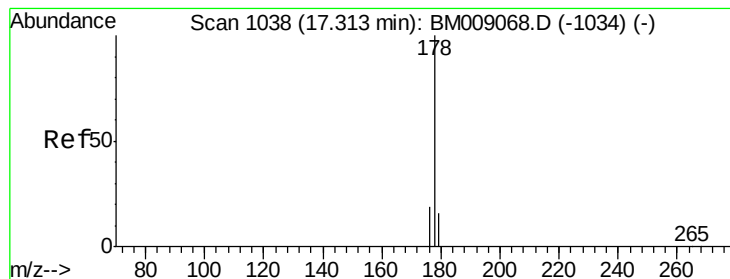


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

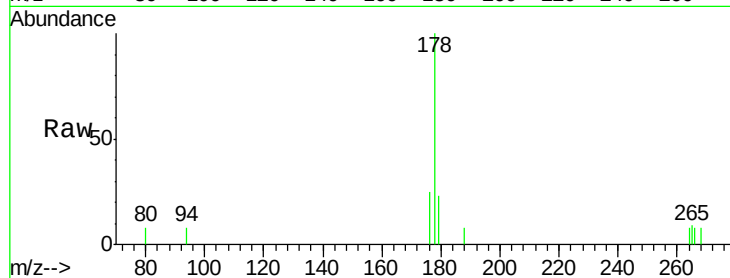
Tgt Ion:178 Resp: 820

Ion Ratio Lower Upper

178 100

176 24.5 18.4 27.6

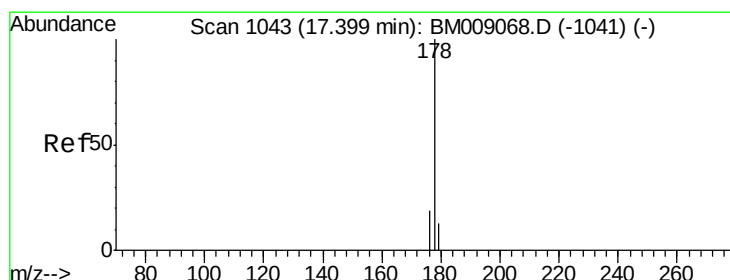
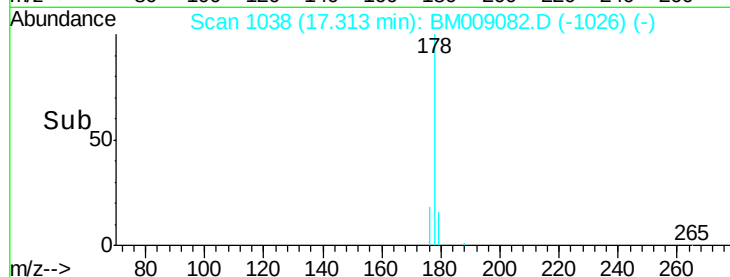
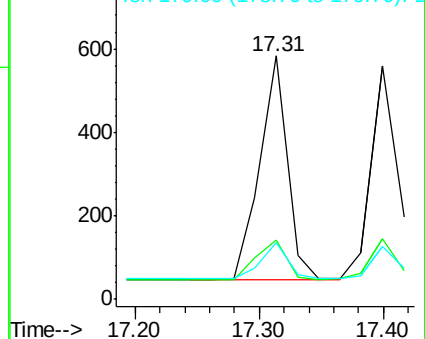
179 23.2 13.6 20.4#



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: 0.38 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

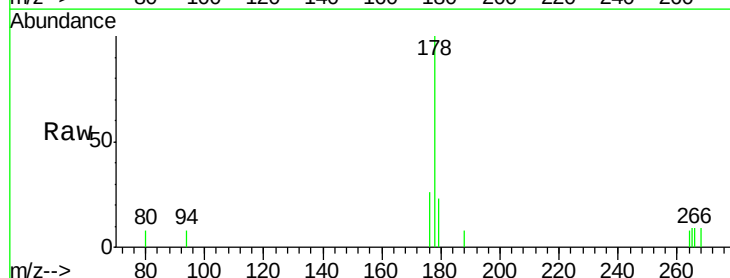
Tgt Ion:178 Resp: 773

Ion Ratio Lower Upper

178 100

176 25.9 18.1 27.1

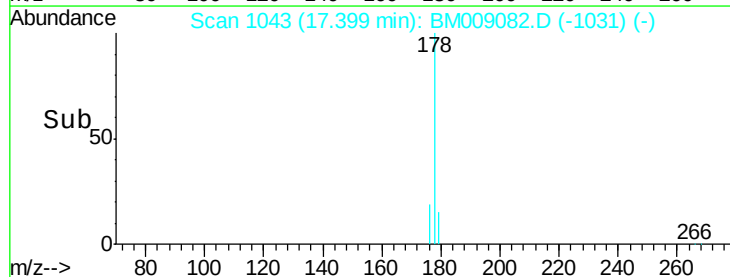
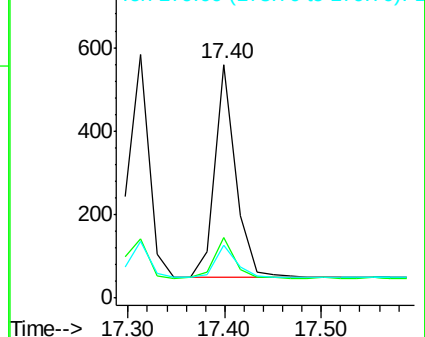
179 22.5 14.7 22.1#

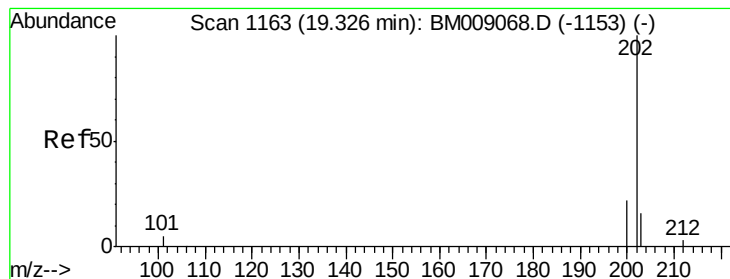


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.38 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

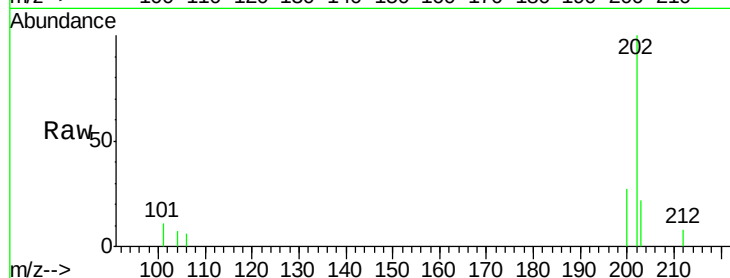
Tgt Ion:202 Resp: 1014

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

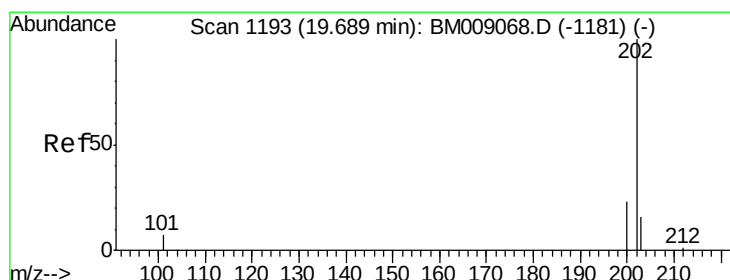
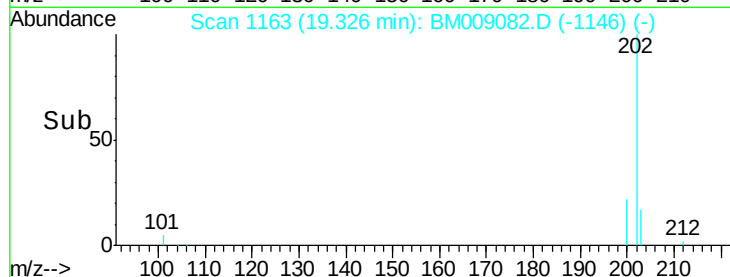
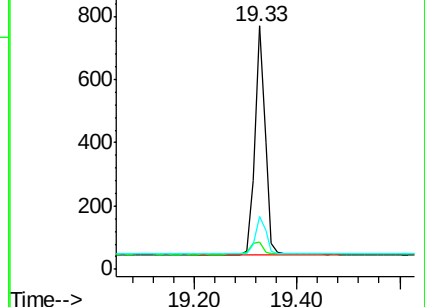
203 22.0 0.0 39.5



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: 0.42 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

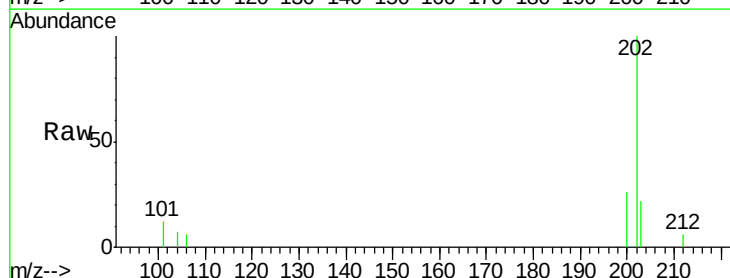
Tgt Ion:202 Resp: 1026

Ion Ratio Lower Upper

202 100

200 26.5 18.2 27.4

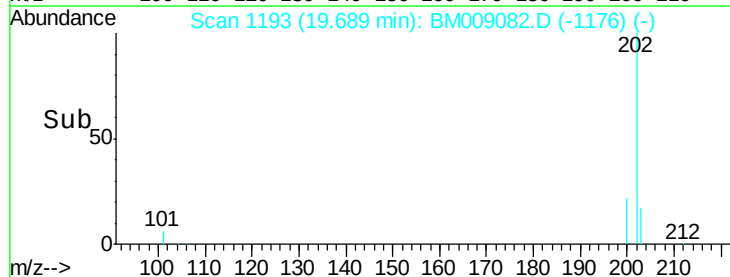
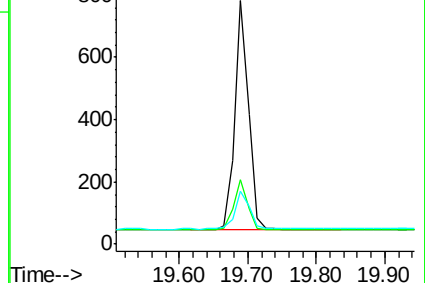
203 21.9 15.6 23.4

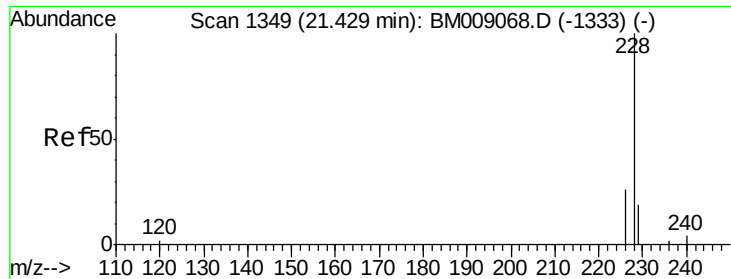


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.43 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

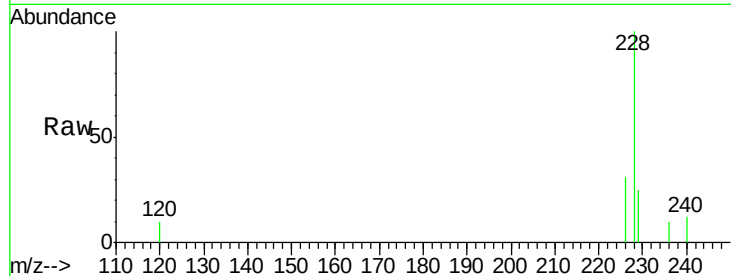
Tgt Ion:228 Resp: 943

Ion Ratio Lower Upper

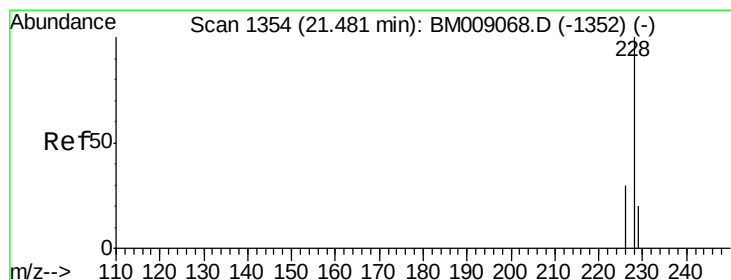
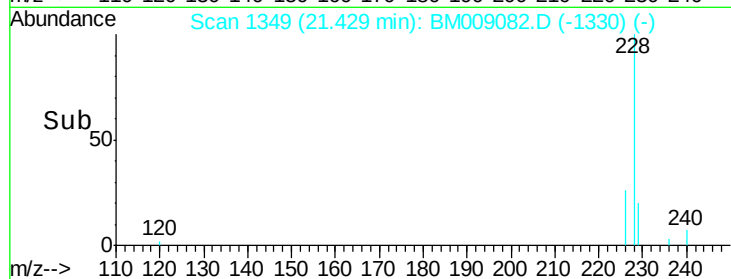
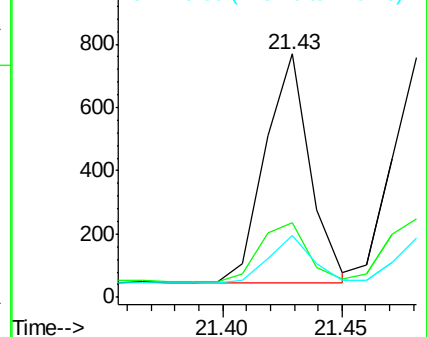
228 100

226 30.7 22.8 34.2

229 25.4 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: 0.40 ng/ul

RT: 21.48 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

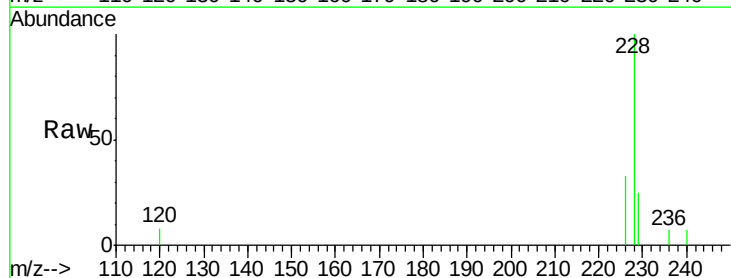
Tgt Ion:228 Resp: 908

Ion Ratio Lower Upper

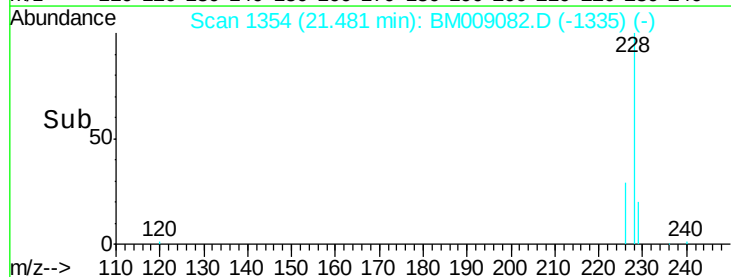
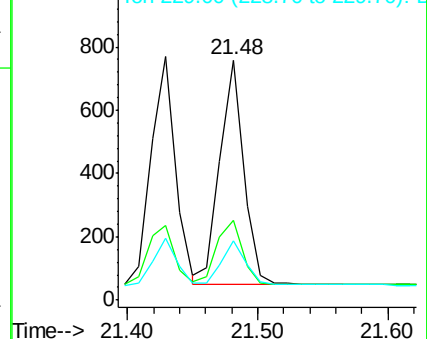
228 100

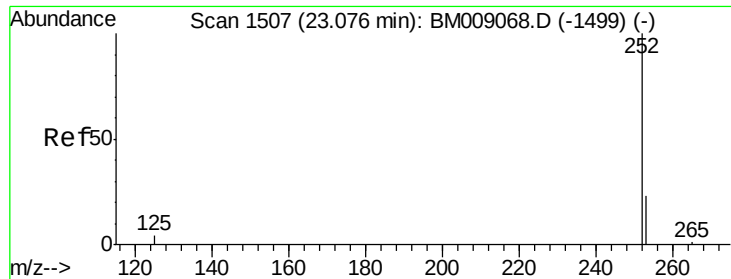
226 33.1 23.4 35.0

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: 0.41 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.01 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

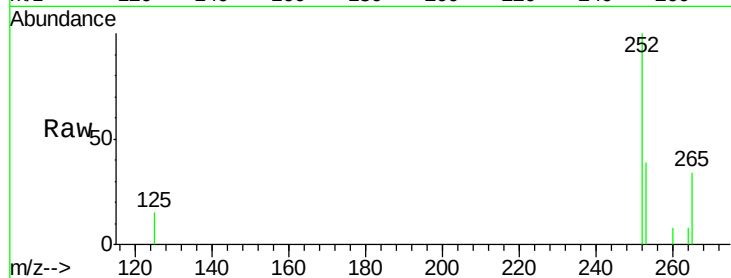
Tgt Ion:252 Resp: 1063

Ion Ratio Lower Upper

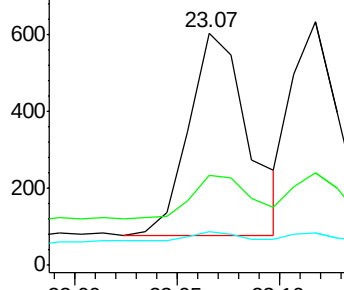
252 100

253 38.8 0.0 64.2

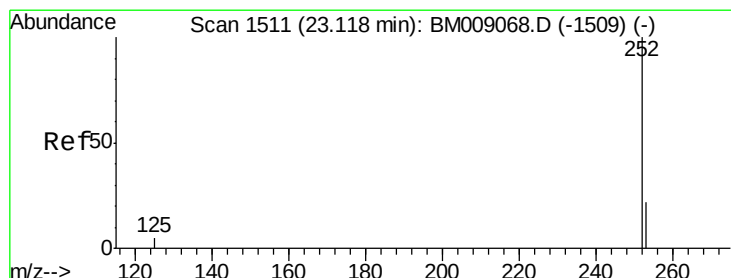
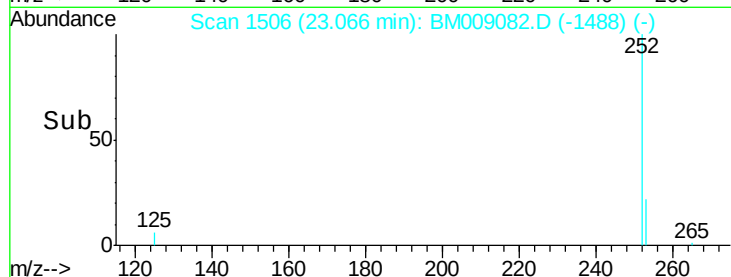
125 14.7 0.0 35.0



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



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 23.12 min Scan# 1511

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

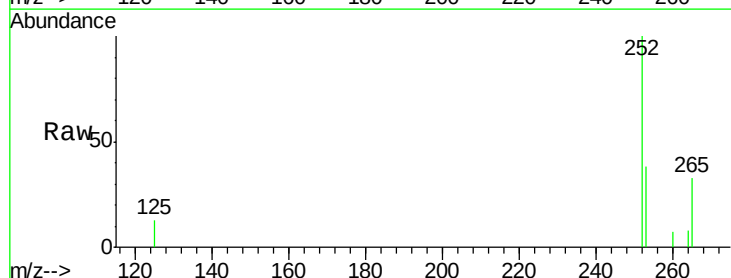
Tgt Ion:252 Resp: 905

Ion Ratio Lower Upper

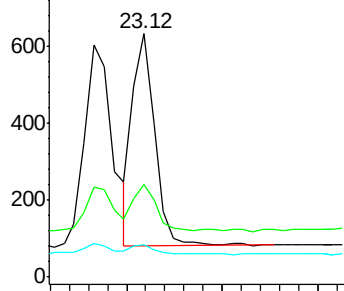
252 100

253 38.0 24.5 36.7#

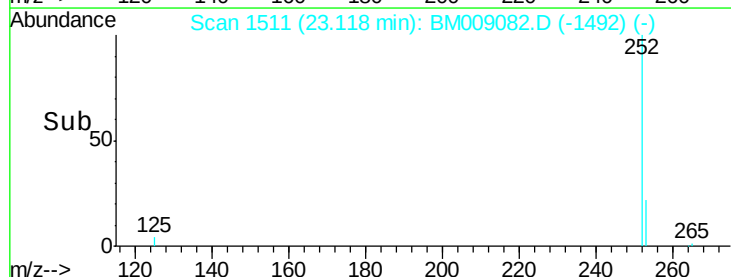
125 13.1 13.7 20.5#

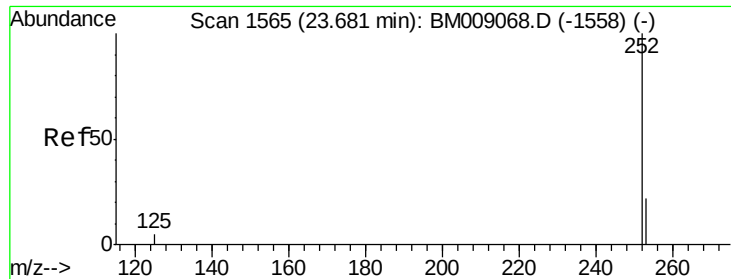


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.68 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

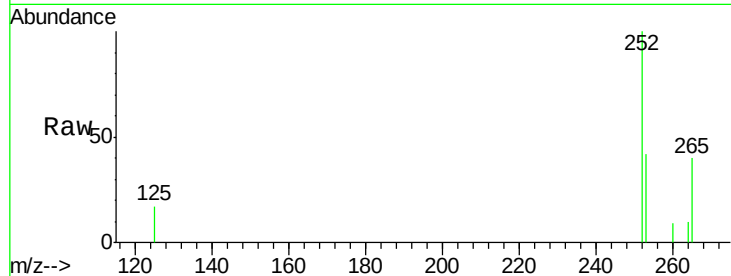
Tgt Ion: 252 Resp: 930

Ion Ratio Lower Upper

252 100

253 41.7 28.5 42.7

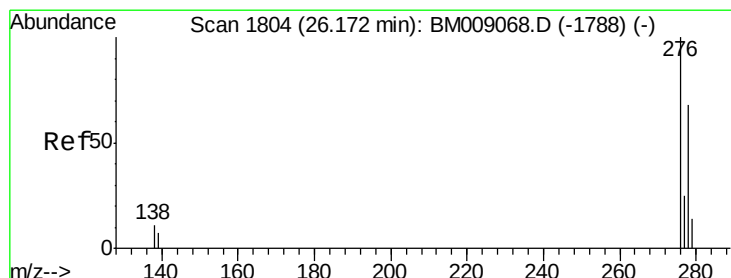
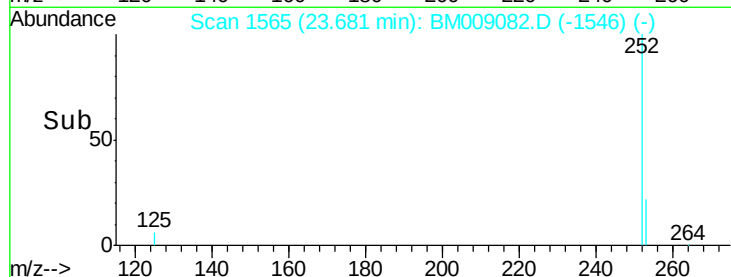
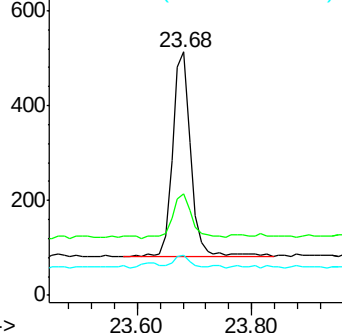
125 16.8 18.1 27.1#



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: 0.37 ng/ul

RT: 26.16 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

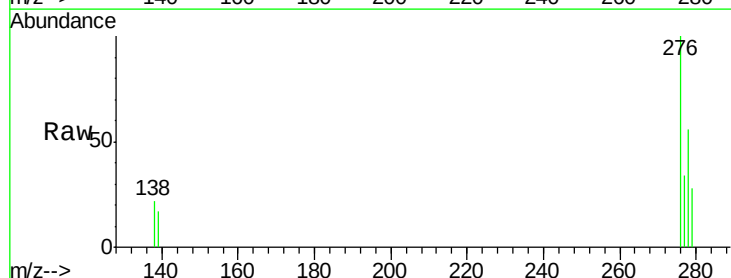
Tgt Ion: 276 Resp: 1096

Ion Ratio Lower Upper

276 100

138 11.7 19.1 28.7#

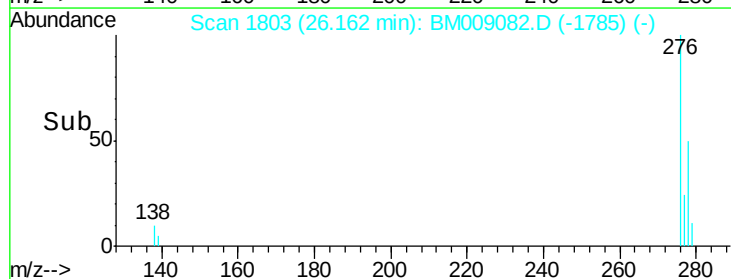
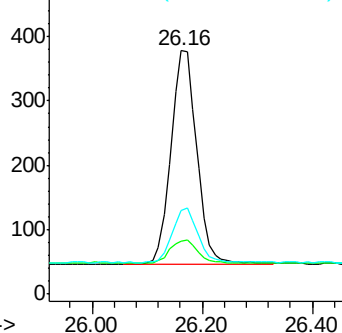
277 25.9 19.6 29.4

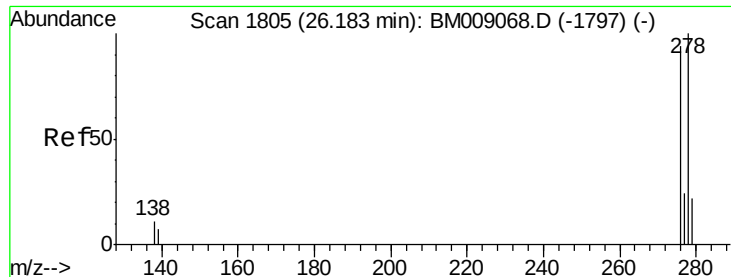


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.37 ng/ul

RT: 26.18 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.442

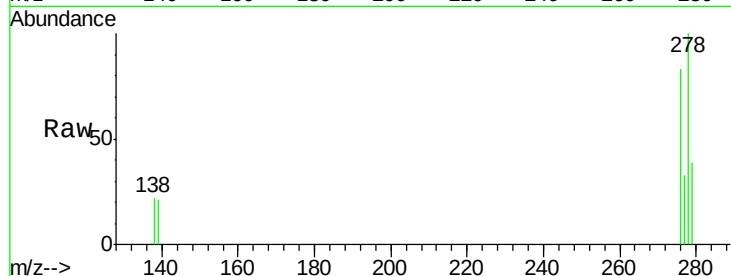
Tgt Ion:278 Resp: 904

Ion Ratio Lower Upper

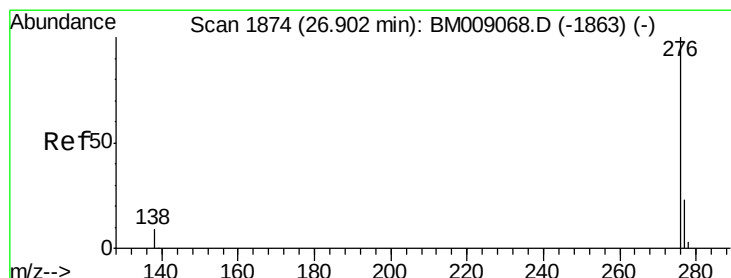
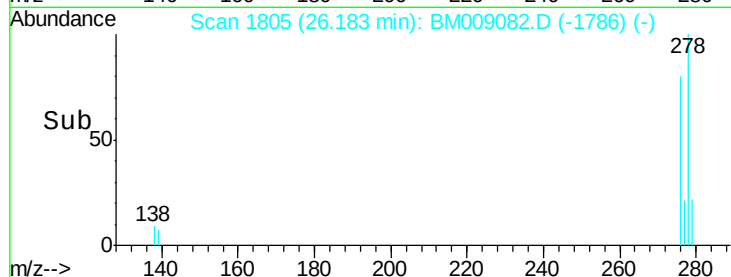
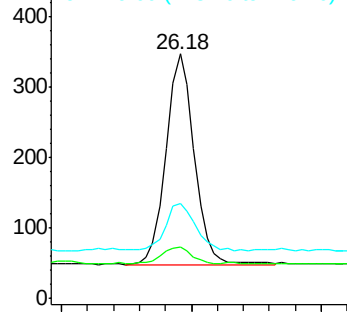
278 100

139 20.7 17.4 26.0

279 38.9 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: 0.37 ng/ul

RT: 26.90 min Scan# 1874

Delta R.T. 0.00 min

Lab File: BM009082.D

Acq: 06 Mar 2017 15:38

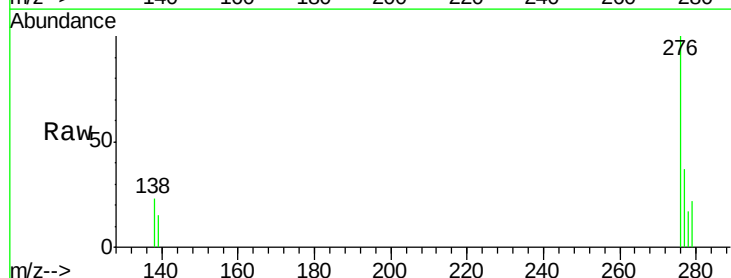
Tgt Ion:276 Resp: 920

Ion Ratio Lower Upper

276 100

277 36.6 21.8 32.8#

138 22.9 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

