

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
 Data File : BM009121.D
 Acq On : 08 Mar 2017 22:17
 Operator : SJ/MA
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.449

Quant Time: Mar 09 01:20:59 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 01:19:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	211	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.69	136	662	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	350	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	815	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	852	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	737	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	405	0.37	ng/ul	-0.01
14) Fluoranthene-d10	19.30	212	955	0.37	ng/ul	0.00

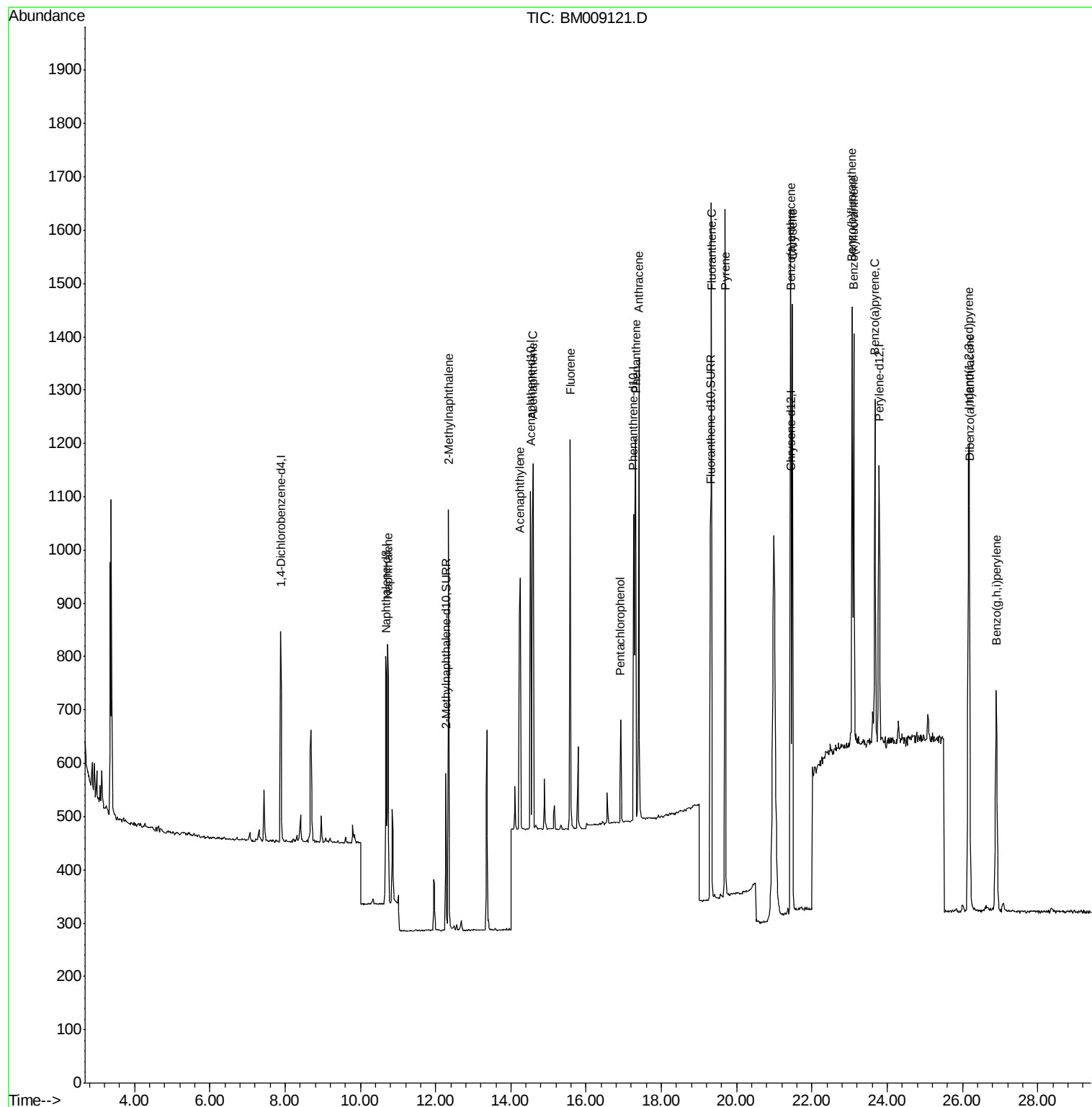
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	733	0.38	ng/ul#	84
5) 2-Methylnaphthalene	12.34	142	506	0.37	ng/ul	99
7) Acenaphthylene	14.25	152	721	0.40	ng/ul#	85
8) Acenaphthene	14.59	153	530	0.38	ng/ul	94
9) Fluorene	15.58	166	630	0.39	ng/ul#	95
11) Pentachlorophenol	16.92	266	146	0.37	ng/ul	93
12) Phenanthrene	17.31	178	975	0.38	ng/ul#	92
13) Anthracene	17.40	178	939	0.37	ng/ul	94
15) Fluoranthene	19.33	202	1189	0.36	ng/ul	95
17) Pyrene	19.69	202	1214	0.41	ng/ul	96
18) Benzo(a)anthracene	21.43	228	1145	0.40	ng/ul#	95
19) Chrysene	21.48	228	1070	0.40	ng/ul	94
21) Benzo(b)fluoranthene	23.07	252	1134	0.39	ng/ul	91
22) Benzo(k)fluoranthene	23.12	252	1112	0.43	ng/ul#	88
23) Benzo(a)pyrene	23.67	252	1096	0.42	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	26.16	276	1225	0.37	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.18	278	1036	0.37	ng/ul#	92
26) Benzo(g,h,i)perylene	26.89	276	1011	0.36	ng/ul#	92

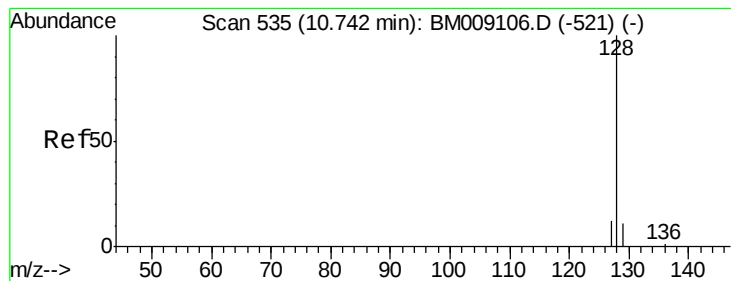
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030817\
Data File : BM009121.D
Acq On : 08 Mar 2017 22:17
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Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
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#3

Naphthalene

Concen: 0.38 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

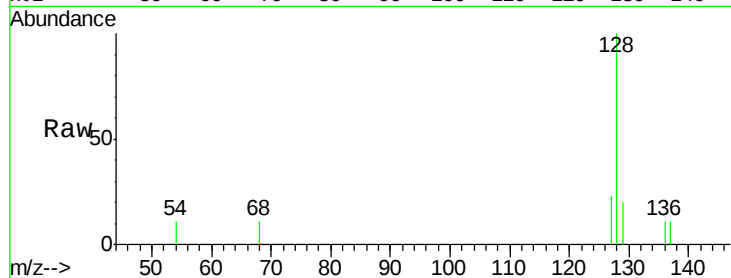
Tgt Ion:128 Resp: 733

Ion Ratio Lower Upper

128 100

129 19.9 11.3 16.9#

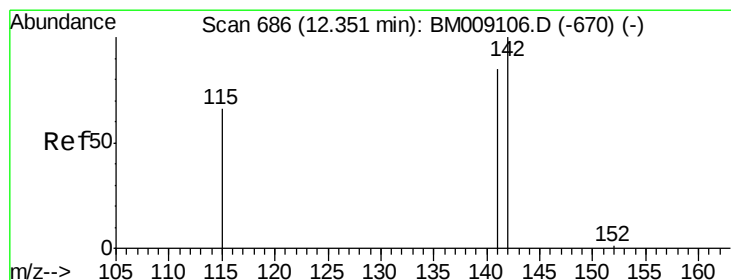
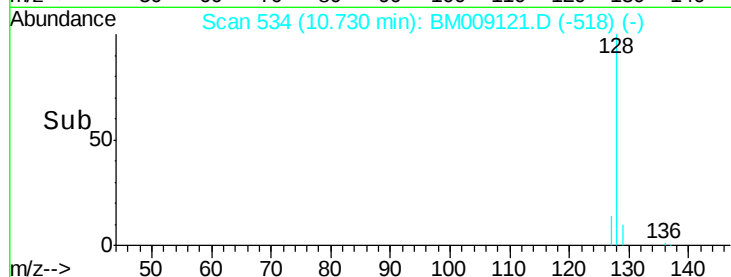
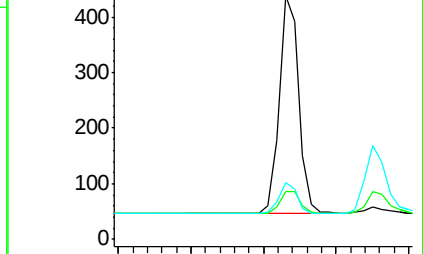
127 23.3 12.8 19.2#



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: 0.37 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. -0.01 min

Lab File: BM009121.D

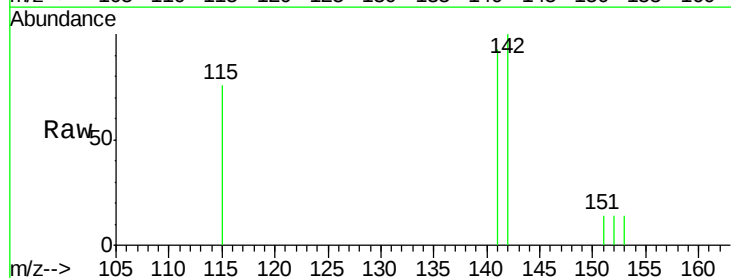
Acq: 08 Mar 2017 22:17

Tgt Ion:142 Resp: 506

Ion Ratio Lower Upper

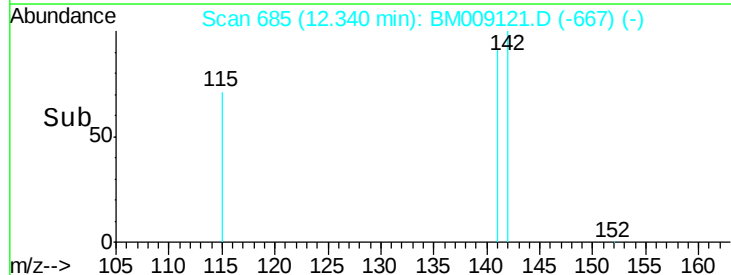
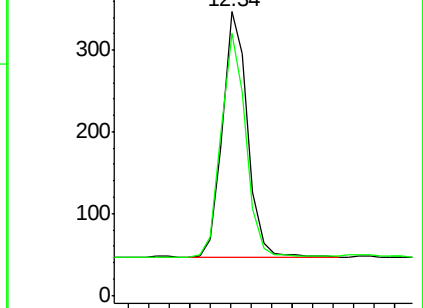
142 100

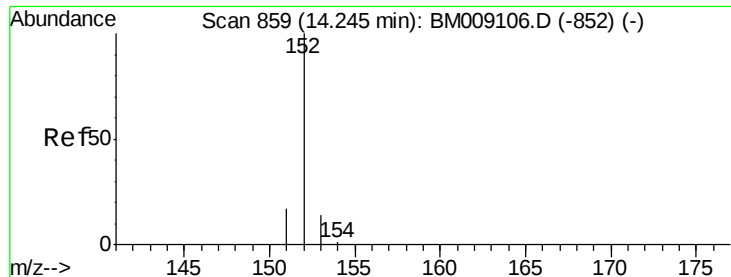
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. 0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

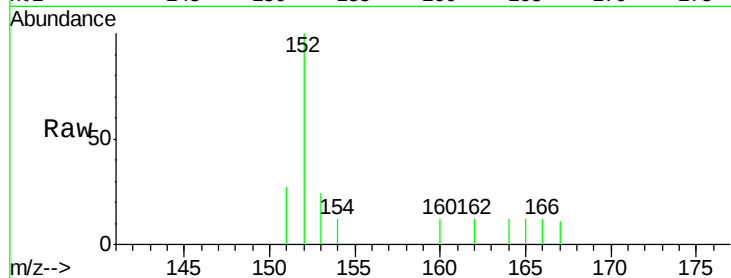
Tgt Ion:152 Resp: 721

Ion Ratio Lower Upper

152 100

151 27.2 17.1 25.7#

153 24.3 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

14.25

400

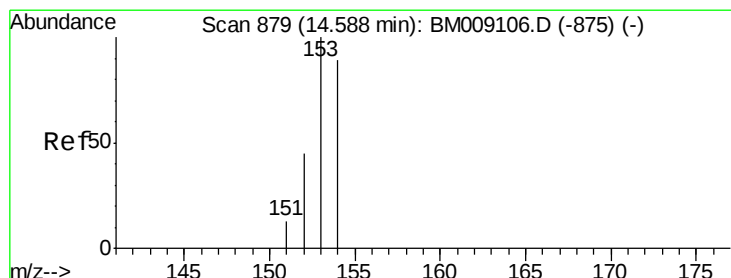
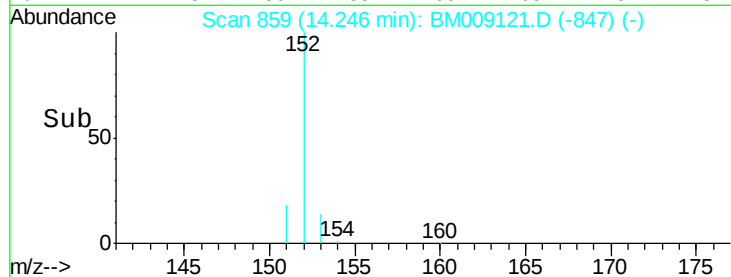
300

200

100

0

Time-->



#8

Acenaphthene

Concen: 0.38 ng/ul

RT: 14.59 min Scan# 879

Delta R.T. 0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

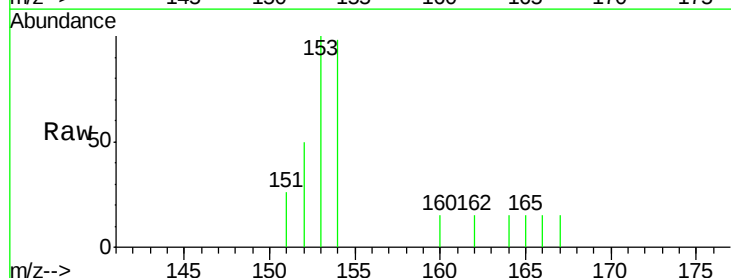
Tgt Ion:153 Resp: 530

Ion Ratio Lower Upper

153 100

152 50.3 40.3 60.5

154 98.1 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

14.59

400

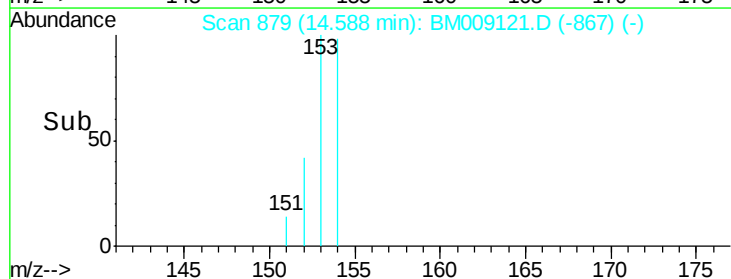
300

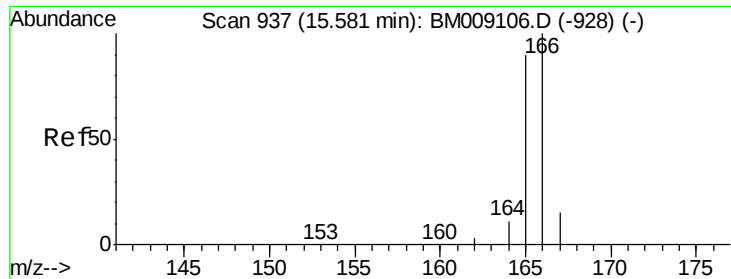
200

100

0

Time-->

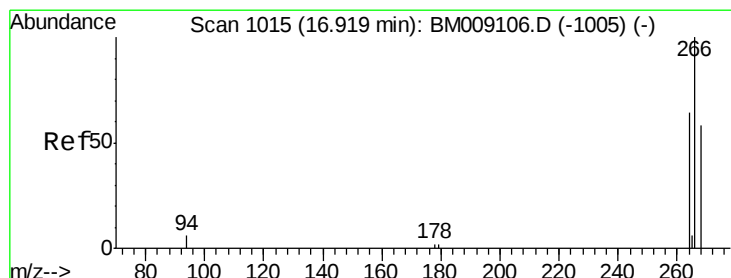
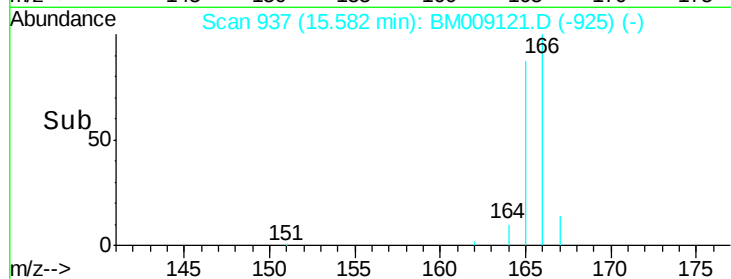
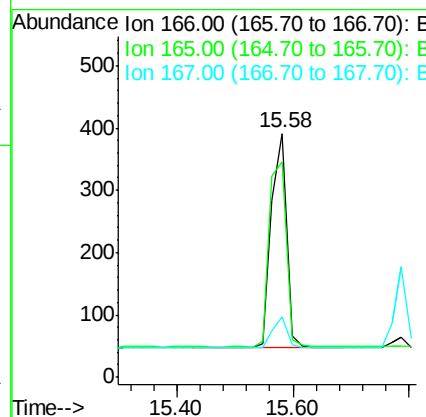
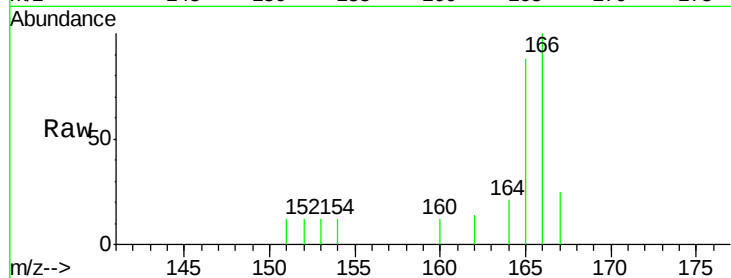




#9
Fluorene
 Concen: 0.39 ng/ul
 RT: 15.58 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BM009121.D
 Acq: 08 Mar 2017 22:17

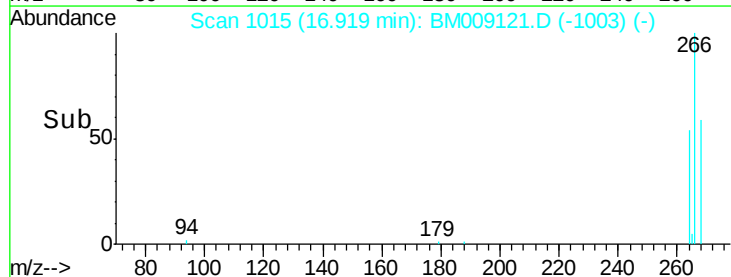
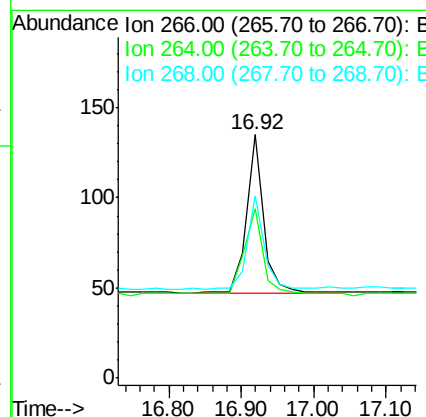
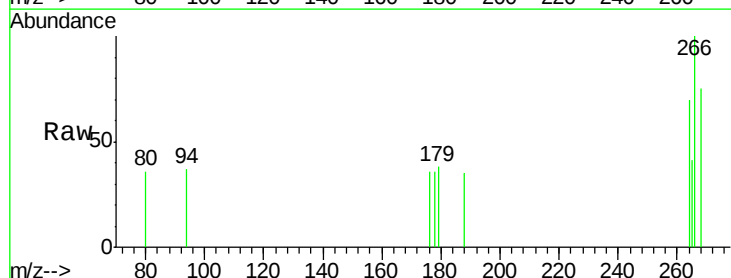
Instrument :
 BNA_M
 ClientSampleId :
 SST0.449

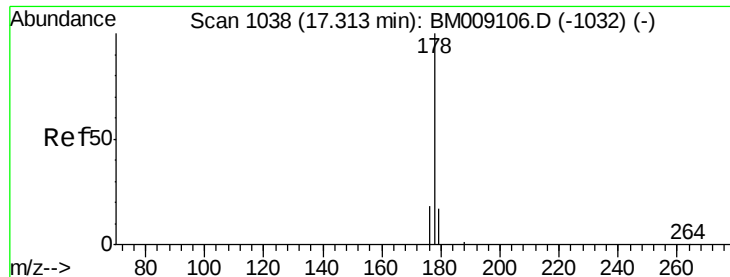
Tgt Ion:166 Resp: 630
 Ion Ratio Lower Upper
 166 100
 165 88.5 73.4 110.2
 167 24.6 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.37 ng/ul
 RT: 16.92 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BM009121.D
 Acq: 08 Mar 2017 22:17

Tgt Ion:266 Resp: 146
 Ion Ratio Lower Upper
 266 100
 264 67.1 47.9 71.9
 268 58.9 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

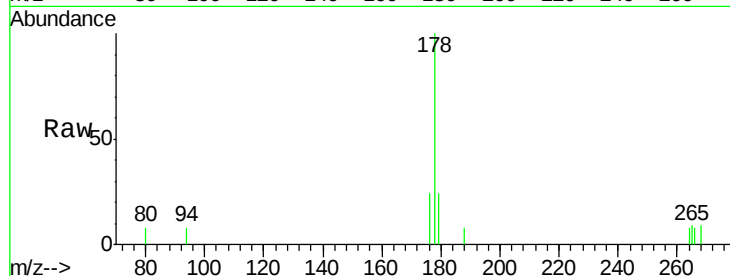
Tgt Ion:178 Resp: 975

Ion Ratio Lower Upper

178 100

176 24.1 18.4 27.6

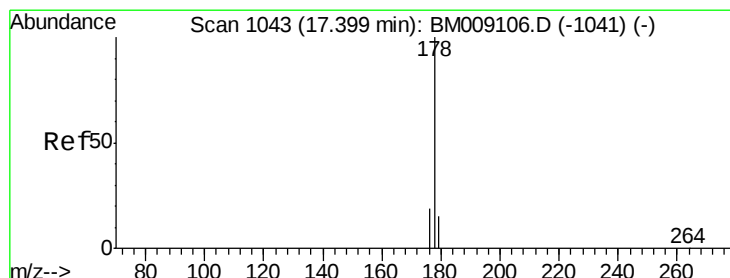
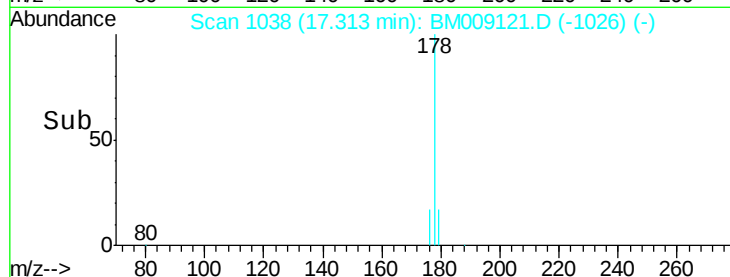
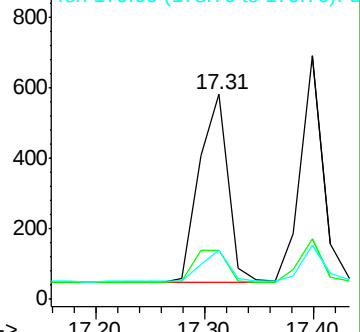
179 24.1 13.6 20.4#



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: 0.37 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

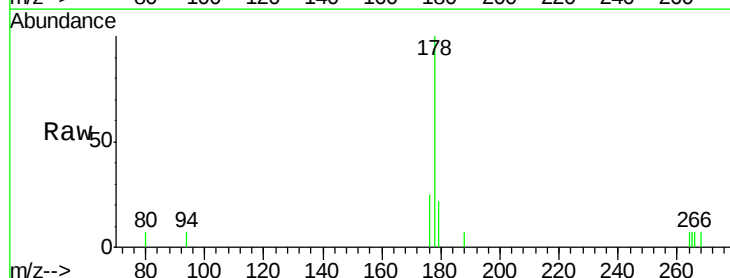
Tgt Ion:178 Resp: 939

Ion Ratio Lower Upper

178 100

176 25.0 18.1 27.1

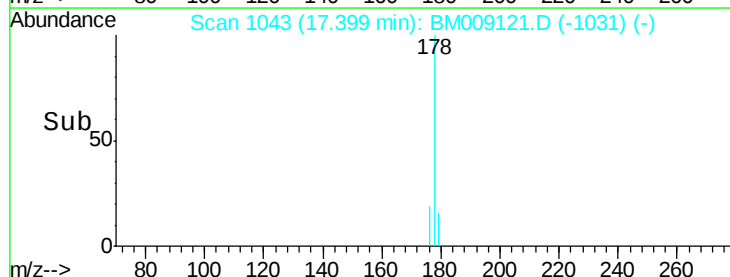
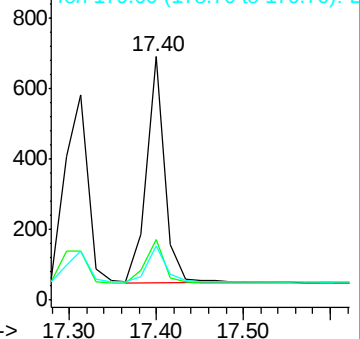
179 22.0 14.7 22.1

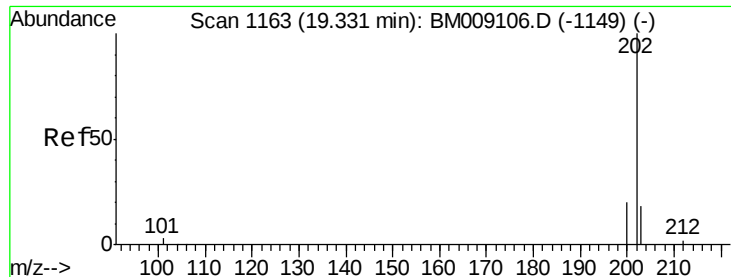


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

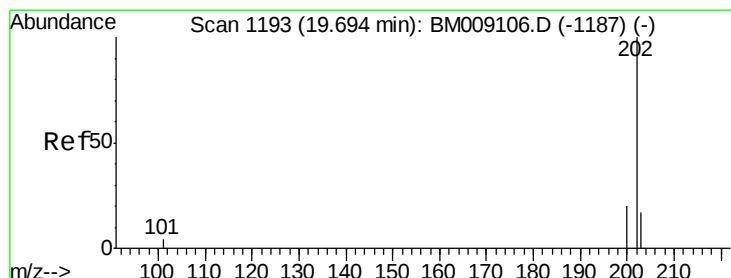
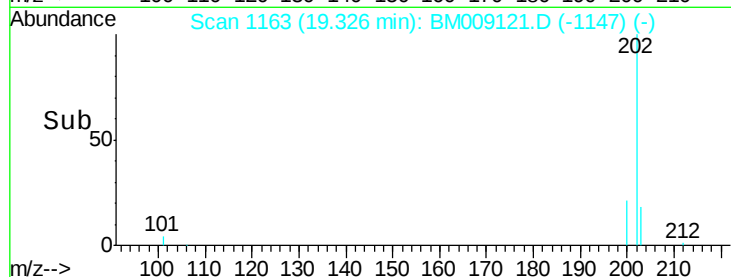
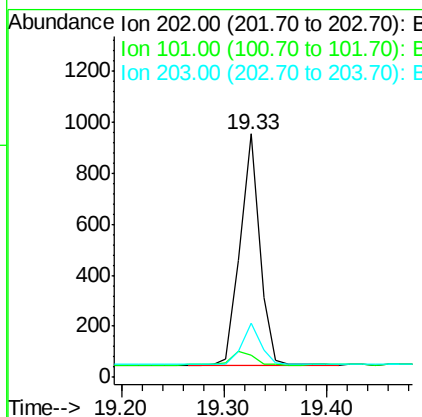
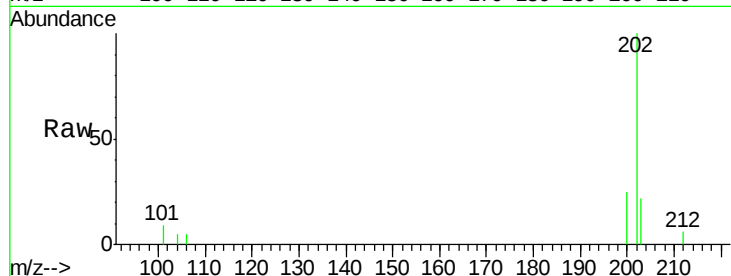




#15
Fluoranthene
 Concen: 0.36 ng/ul
 RT: 19.33 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BM009121.D
 Acq: 08 Mar 2017 22:17

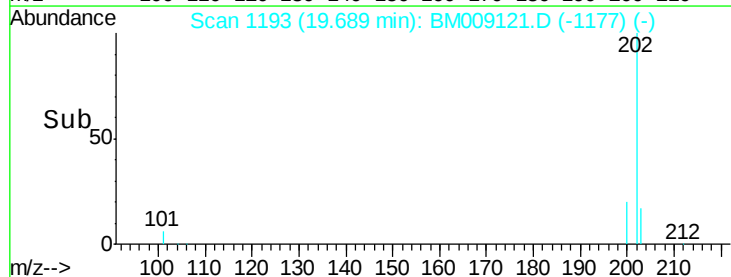
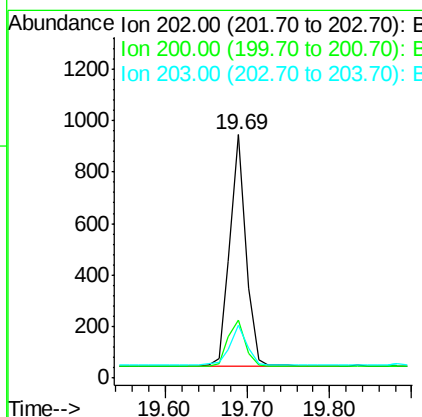
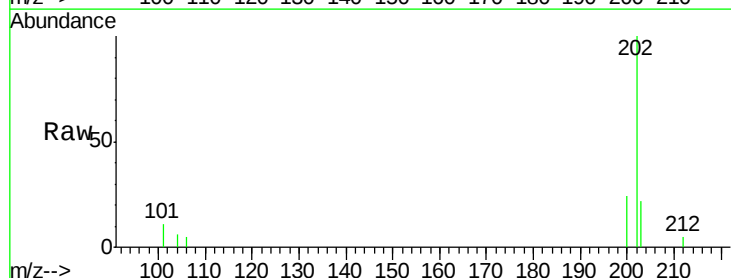
Instrument :
 BNA_M
 ClientSampleId :
 SST0.449

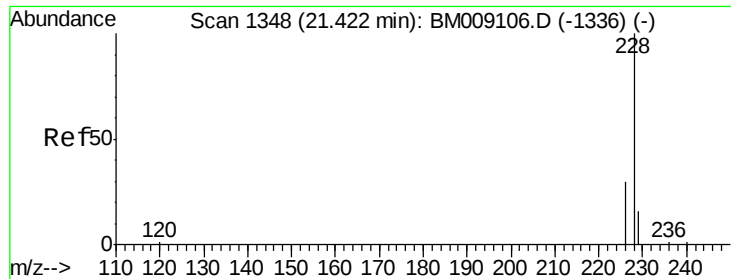
Tgt Ion:202 Resp: 1189
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.3
 203 22.4 0.0 39.5



#17
Pyrene
 Concen: 0.41 ng/ul
 RT: 19.69 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: BM009121.D
 Acq: 08 Mar 2017 22:17

Tgt Ion:202 Resp: 1214
 Ion Ratio Lower Upper
 202 100
 200 24.0 18.2 27.4
 203 21.9 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

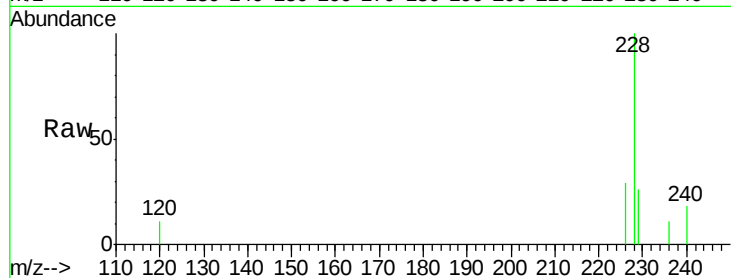
Tgt Ion:228 Resp: 1145

Ion Ratio Lower Upper

228 100

226 29.2 22.8 34.2

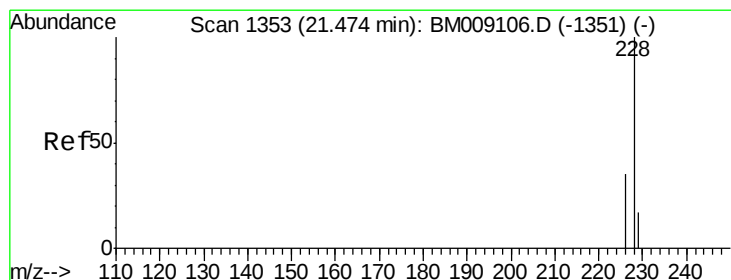
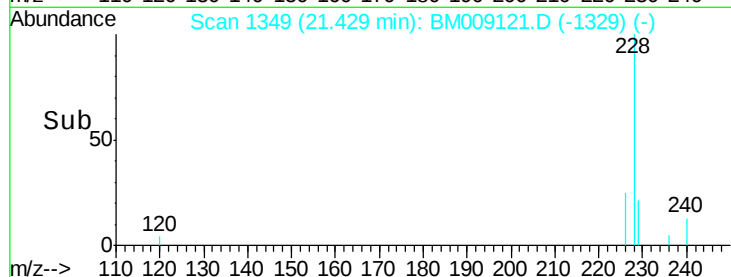
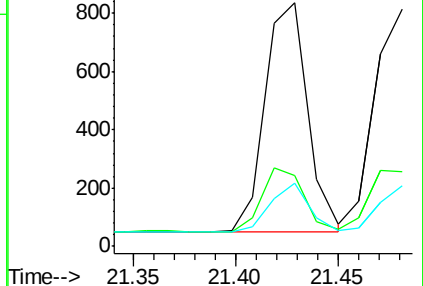
229 25.7 17.0 25.6#



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. 0.01 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

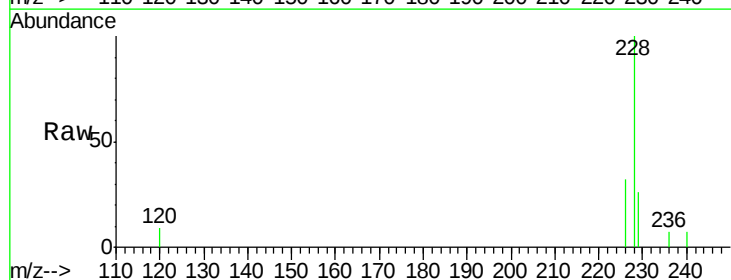
Tgt Ion:228 Resp: 1070

Ion Ratio Lower Upper

228 100

226 31.6 23.4 35.0

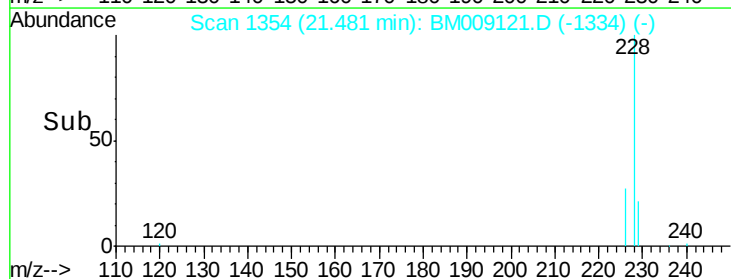
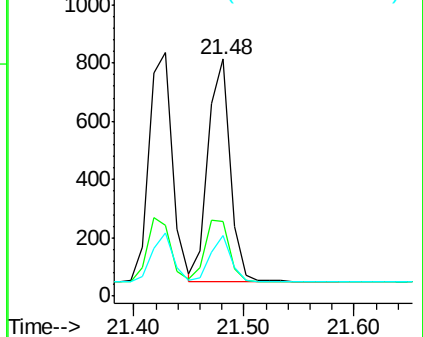
229 25.8 17.7 26.5

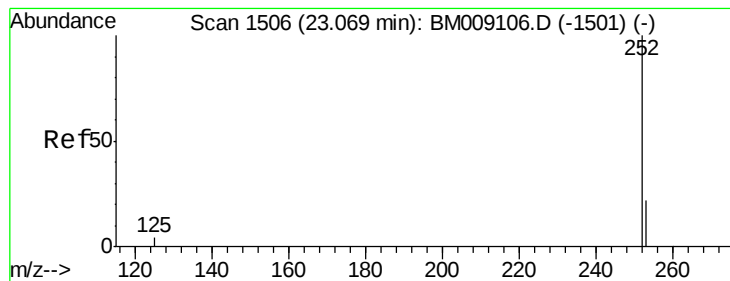


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

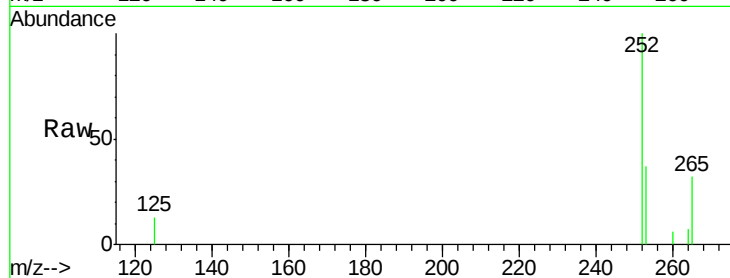
Tgt Ion:252 Resp: 1134

Ion Ratio Lower Upper

252 100

253 36.8 0.0 64.2

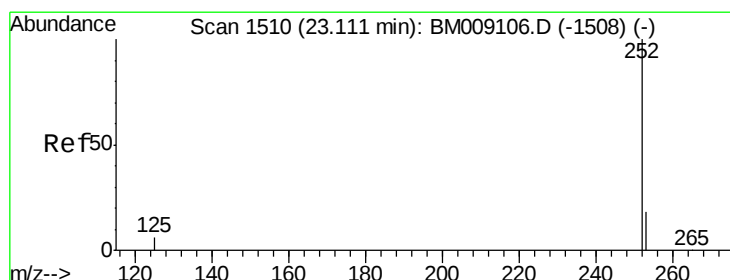
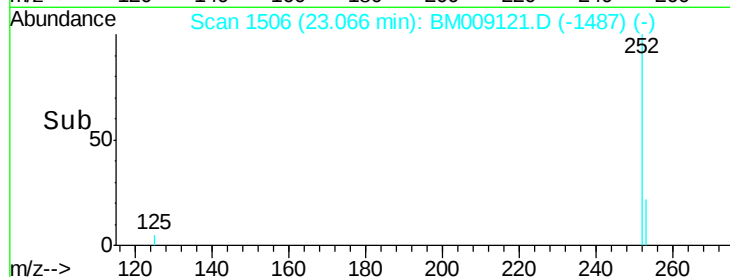
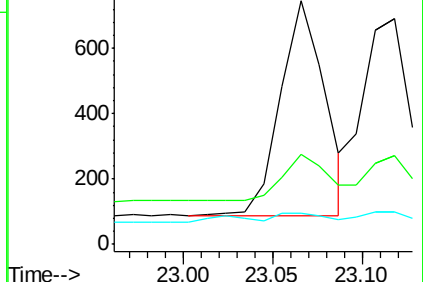
125 13.0 0.0 35.0



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: 0.43 ng/u1

RT: 23.12 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

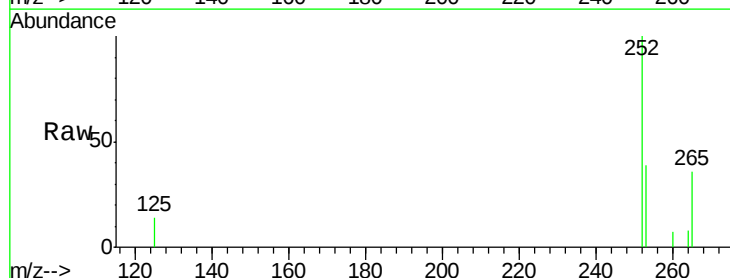
Tgt Ion:252 Resp: 1112

Ion Ratio Lower Upper

252 100

253 39.3 24.5 36.7#

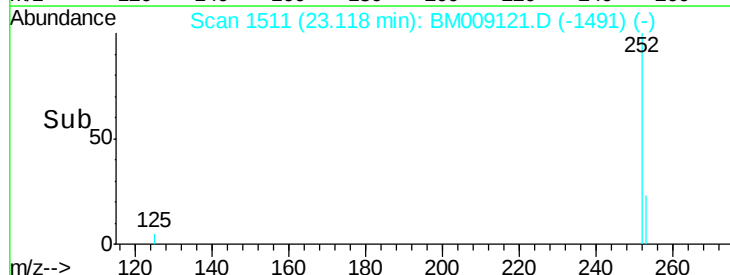
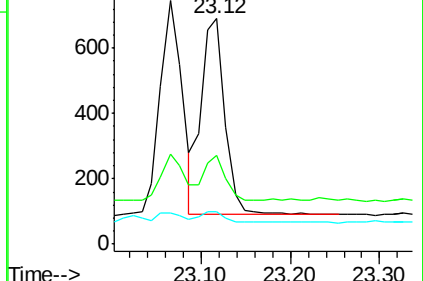
125 14.3 13.7 20.5

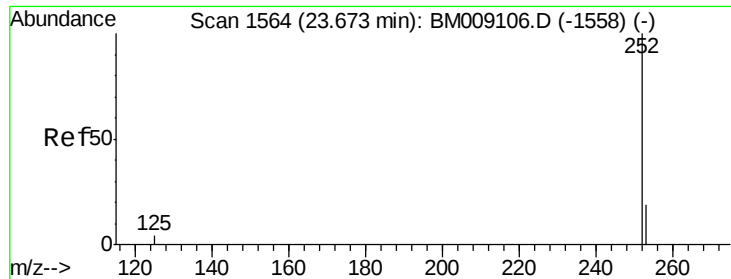


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

Instrument :

BNA_M

ClientSampleId :

SSTD0.449

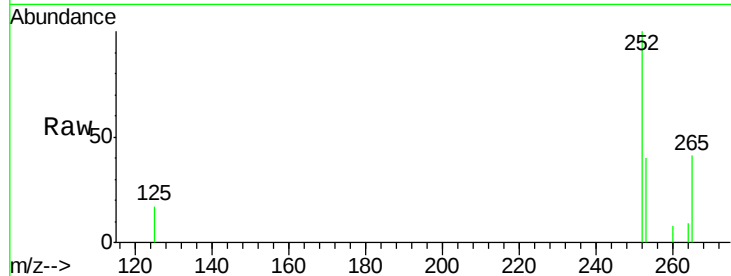
Tgt Ion: 252 Resp: 1096

Ion Ratio Lower Upper

252 100

253 39.7 28.5 42.7

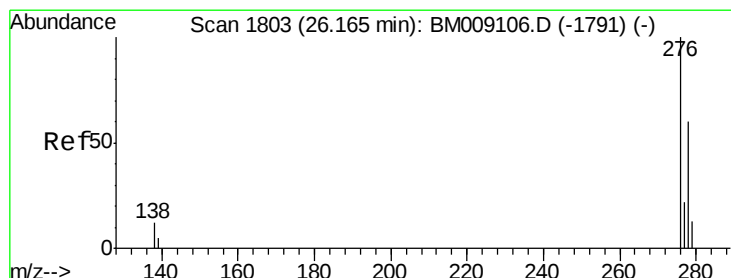
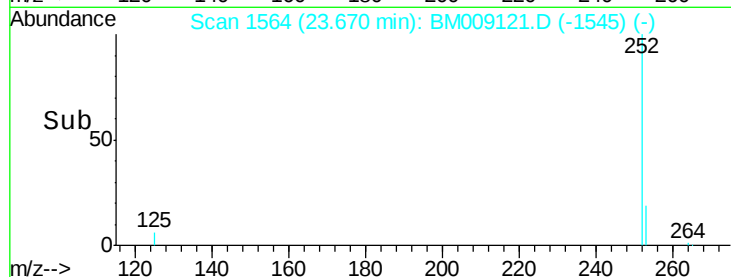
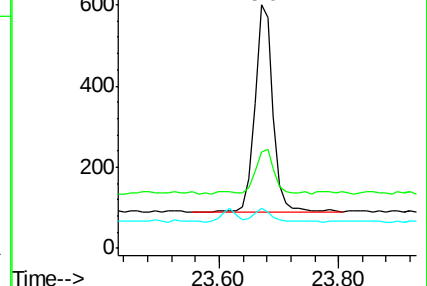
125 16.5 18.1 27.1#



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. -0.00 min

Lab File: BM009121.D

Acq: 08 Mar 2017 22:17

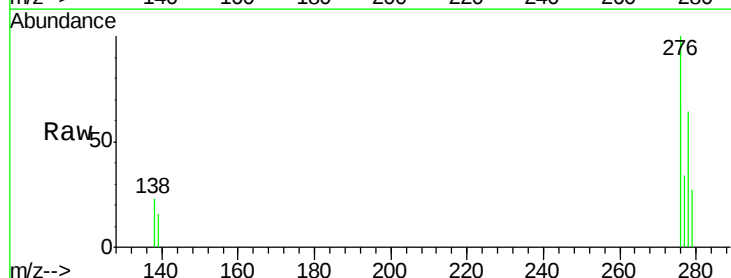
Tgt Ion: 276 Resp: 1225

Ion Ratio Lower Upper

276 100

138 13.5 19.1 28.7#

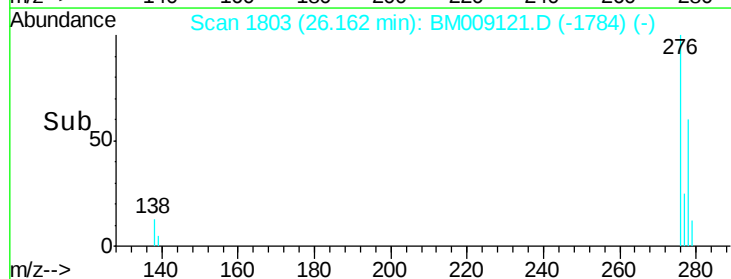
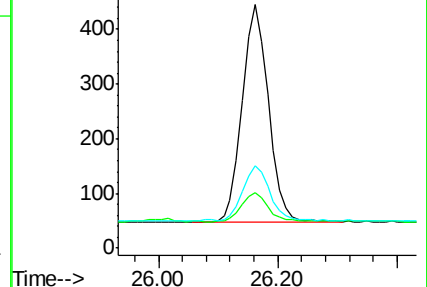
277 26.1 19.6 29.4

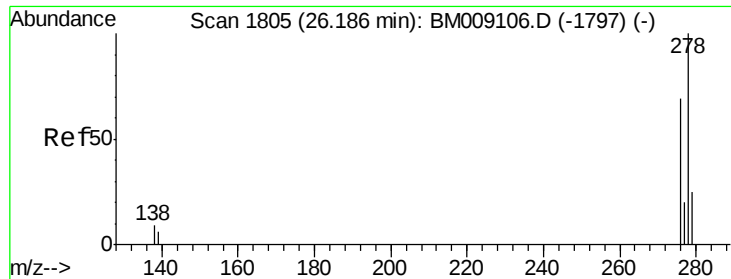


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



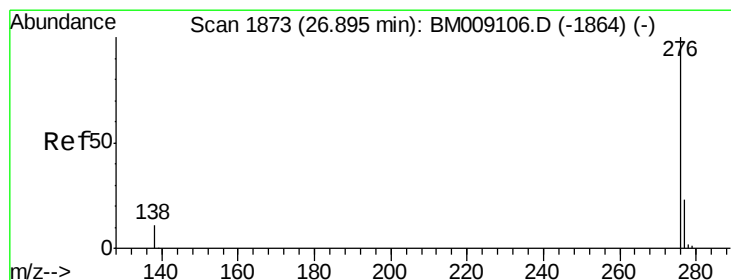
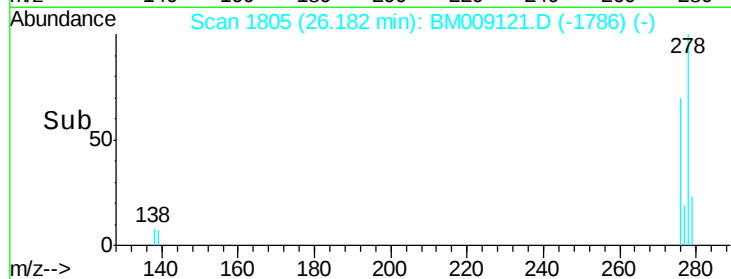
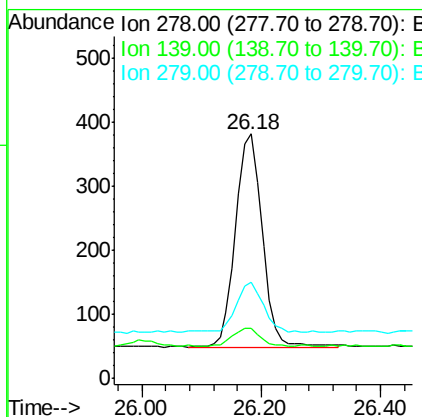
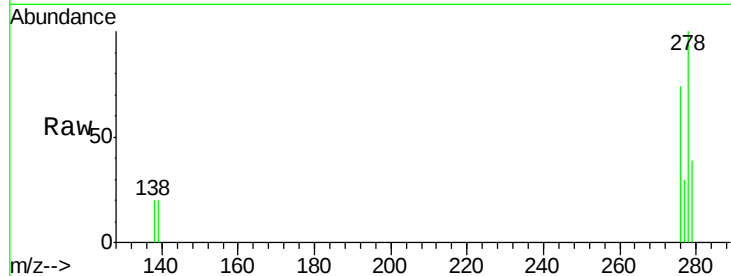


#25
Dibenzo(a,h)anthracene
Concen: 0.37 ng/ul
RT: 26.18 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BM009121.D
Acq: 08 Mar 2017 22:17

Instrument :
BNA_M
ClientSampleId :
SSTD0.449

Tgt Ion: 278 Resp: 1036

Ion	Ratio	Lower	Upper
278	100		
139	20.5	17.4	26.0
279	39.4	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.36 ng/ul
RT: 26.89 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM009121.D
Acq: 08 Mar 2017 22:17

Tgt Ion: 276 Resp: 1011

Ion	Ratio	Lower	Upper
276	100		
277	33.1	21.8	32.8#
138	23.2	20.5	30.7

