

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021115\
 Data File : BM000482.D
 Acq On : 11 Feb 2015 15:43
 Operator : TP/IZ
 Sample : G1227-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1H39

Quant Time: Feb 11 23:58:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 14:38:48 2015
 Response via : Initial Calibration

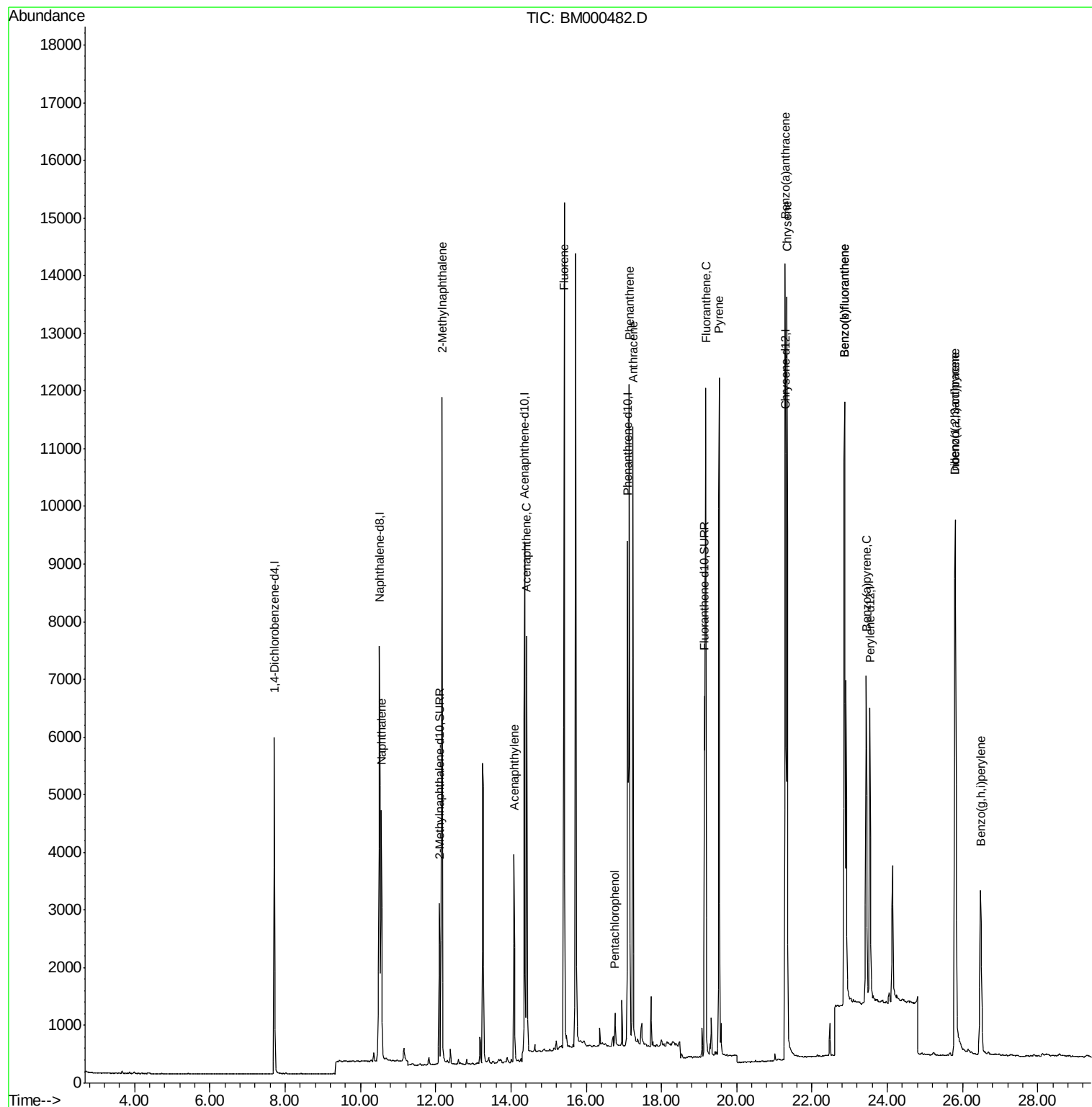
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3017	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	10247	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	5876	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11721	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	8765	0.40	ng/ul	0.00
20) Perylene-d12	23.54	264	7577	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	3665	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.14	212	7890	0.30	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	6022	0.24	ng/ul	99
5) 2-Methylnaphthalene	12.17	142	8289	0.47	ng/ul	99
7) Acenaphthylene	14.09	152	4134	0.18	ng/ul	98
8) Acenaphthene	14.41	153	5804	0.32	ng/ul	98
9) Fluorene	15.42	166	9980	0.45	ng/ul	100
11) Pentachlorophenol	16.76	266	591	0.55	ng/ul	97
12) Phenanthrene	17.15	178	12496	0.38	ng/ul	98
13) Anthracene	17.24	178	14126	0.48	ng/ul	99
15) Fluoranthene	19.18	202	12844	0.34	ng/ul	99
17) Pyrene	19.54	202	12655	0.39	ng/ul	99
18) Benzo(a)anthracene	21.28	228	12365	0.48	ng/ul	97
19) Chrysene	21.33	228	12565	0.42	ng/ul	95
21) Benzo(b)fluoranthene	22.87	252	14939	0.57	ng/ul	96
22) Benzo(k)fluoranthene	22.87	252	15012	0.54	ng/ul	96
23) Benzo(a)pyrene	23.44	252	8989	0.37	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.81	276	3768	0.15	ng/ul#	66
25) Dibenzo(a,h)anthracene	25.81	278	15316	0.75	ng/ul#	95
26) Benzo(g,h,i)perylene	26.48	276	6633	0.30	ng/ul	98

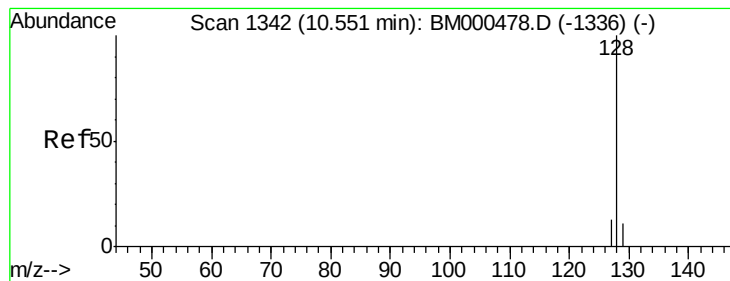
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.24 ng/ul

RT: 10.55 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

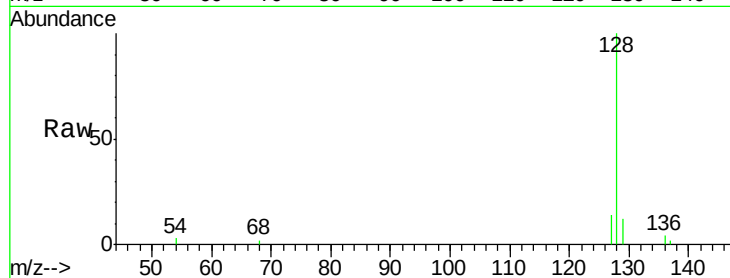
Tgt Ion:128 Resp: 6022

Ion Ratio Lower Upper

128 100

129 12.3 9.2 13.8

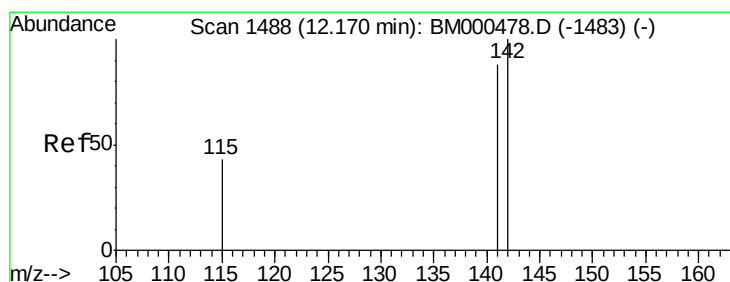
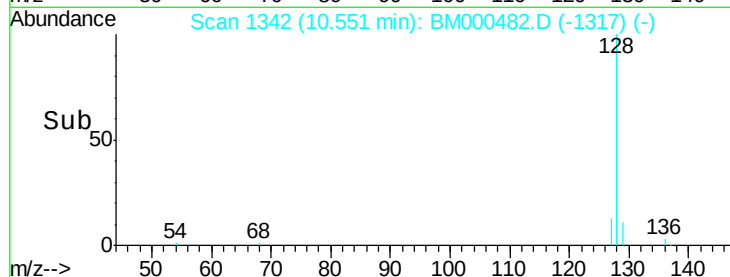
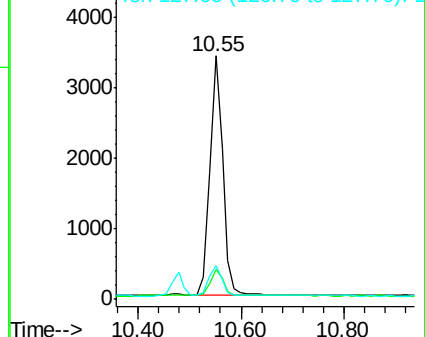
127 13.8 11.2 16.8



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: 0.47 ng/ul

RT: 12.17 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM000482.D

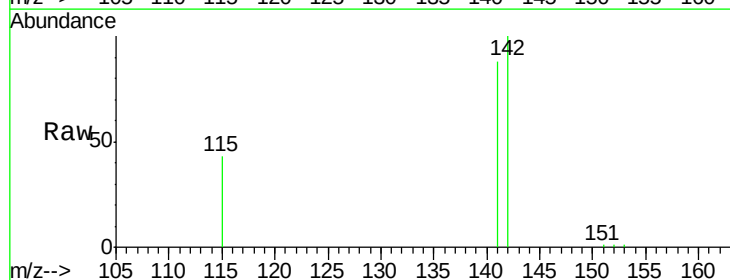
Acq: 11 Feb 2015 15:43

Tgt Ion:142 Resp: 8289

Ion Ratio Lower Upper

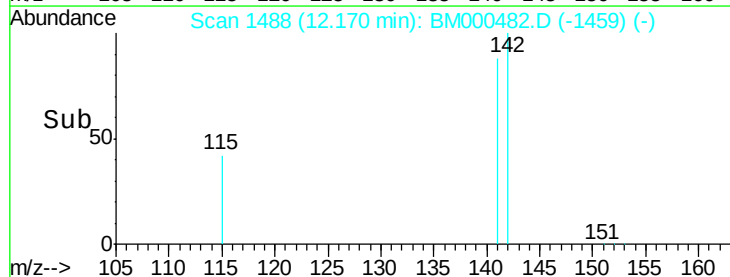
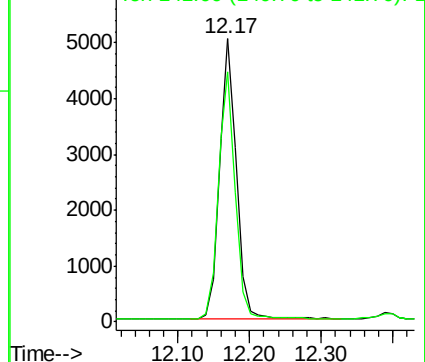
142 100

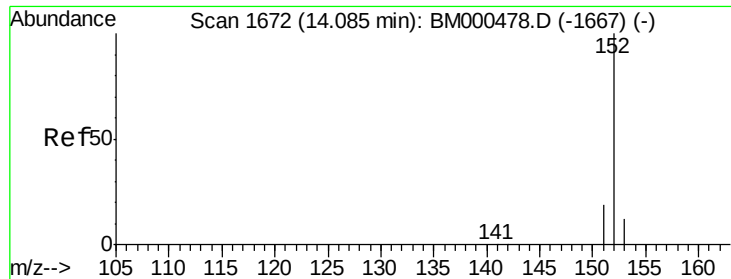
141 89.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.09 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

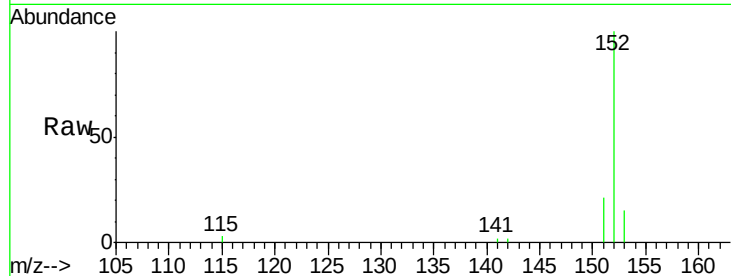
Tgt Ion:152 Resp: 4134

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

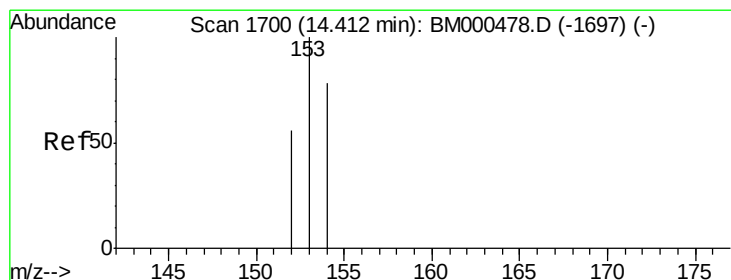
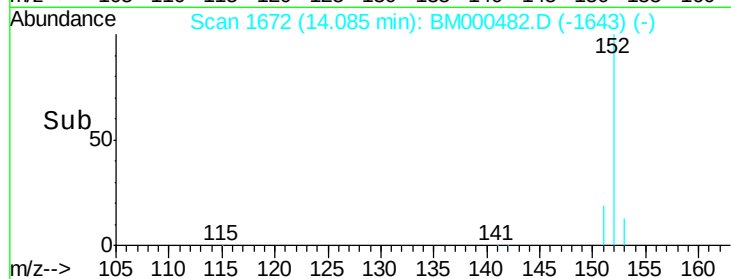
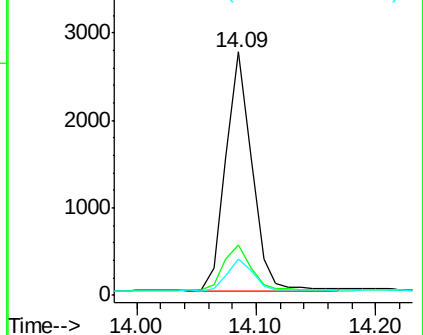
153 14.6 10.6 15.8



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: 0.32 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

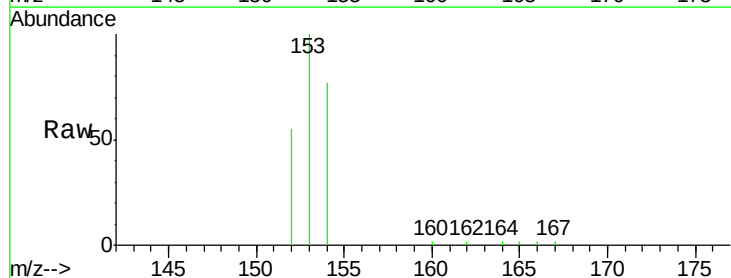
Tgt Ion:153 Resp: 5804

Ion Ratio Lower Upper

153 100

152 54.7 45.6 68.4

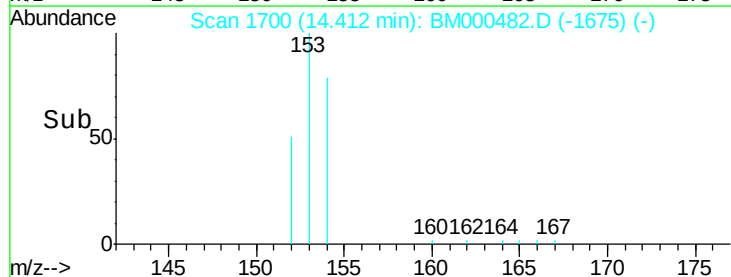
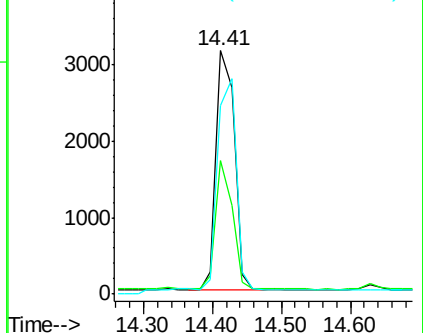
154 77.4 62.5 93.7

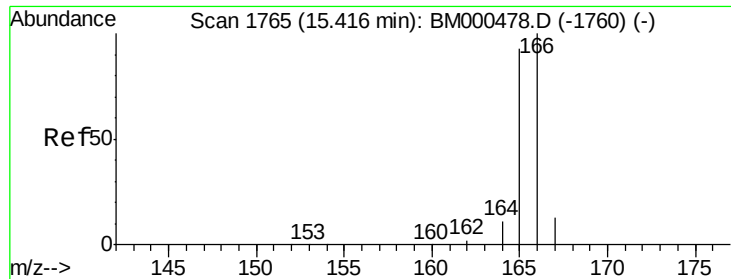


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.45 ng/ul

RT: 15.42 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

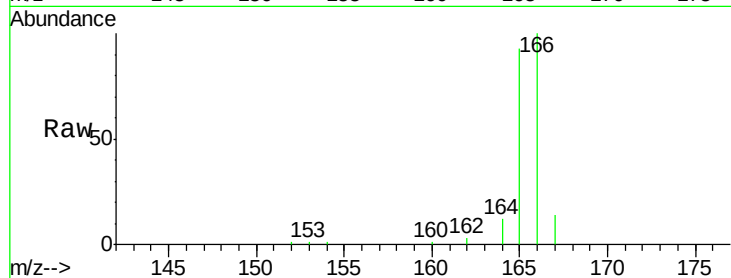
Tgt Ion:166 Resp: 9980

Ion Ratio Lower Upper

166 100

165 93.1 74.4 111.6

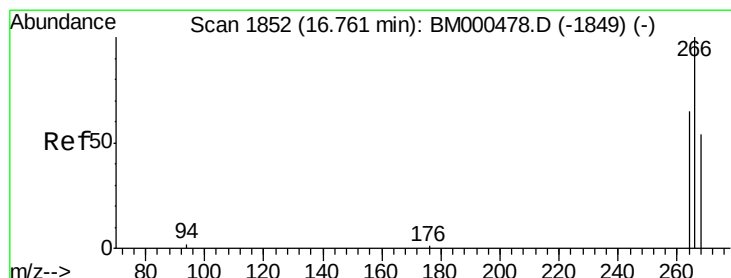
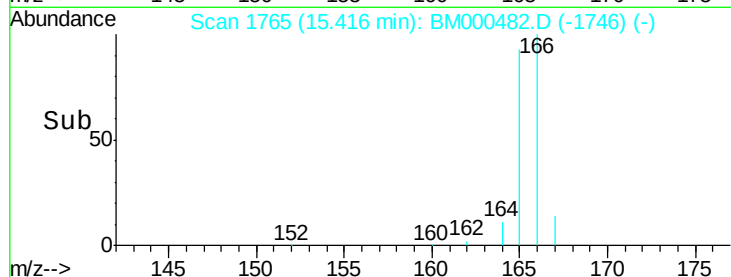
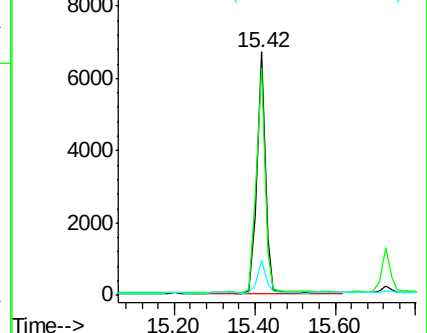
167 14.5 11.3 16.9



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: 0.55 ng/ul

RT: 16.76 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

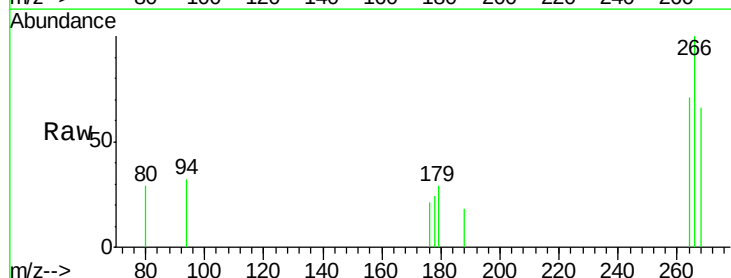
Tgt Ion:266 Resp: 591

Ion Ratio Lower Upper

266 100

264 60.9 49.8 74.6

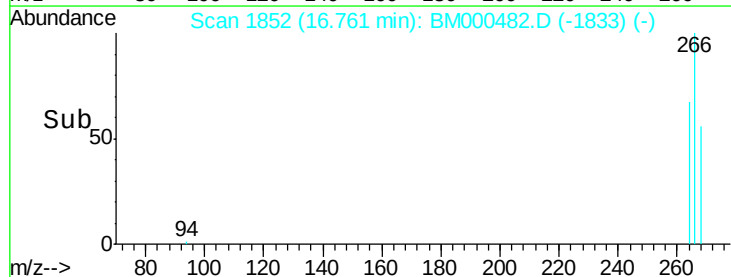
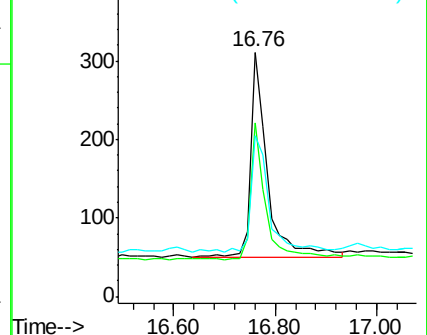
268 60.2 51.2 76.8

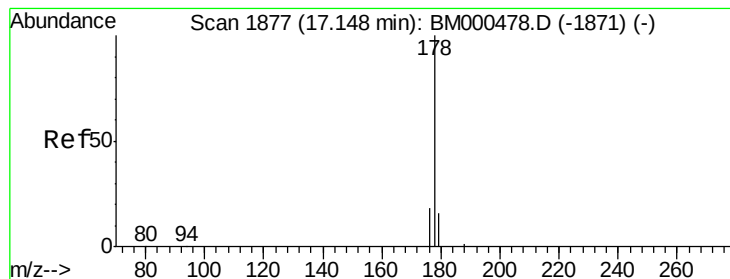


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.15 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

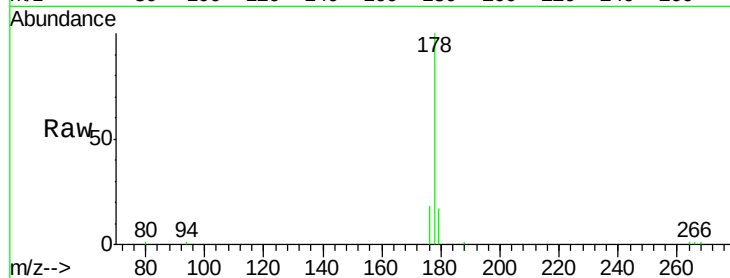
Tgt Ion:178 Resp: 12496

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

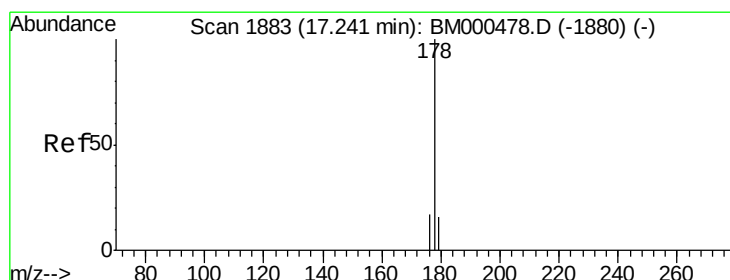
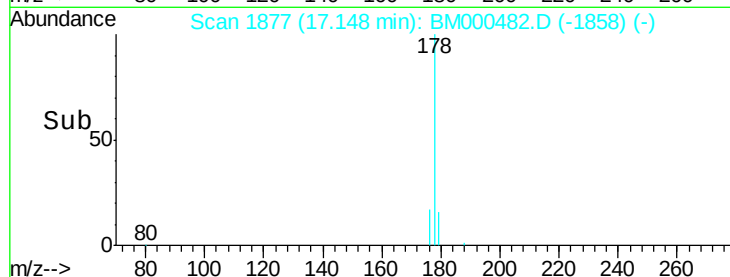
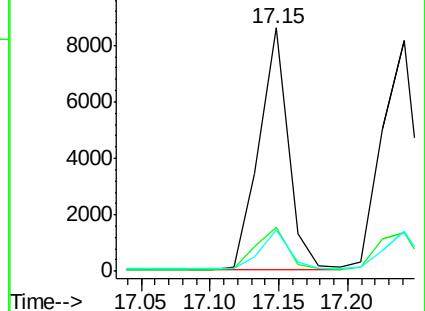
179 16.9 13.0 19.4



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: 0.48 ng/ul

RT: 17.24 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

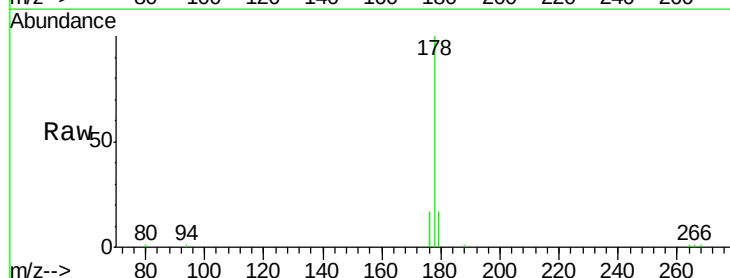
Tgt Ion:178 Resp: 14126

Ion Ratio Lower Upper

178 100

176 16.8 13.9 20.9

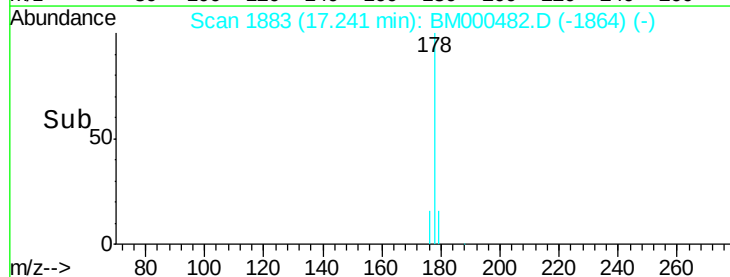
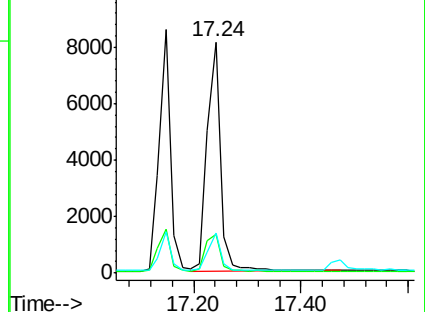
179 17.1 13.2 19.8

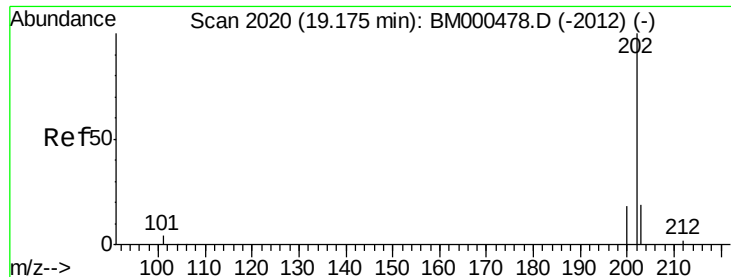


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

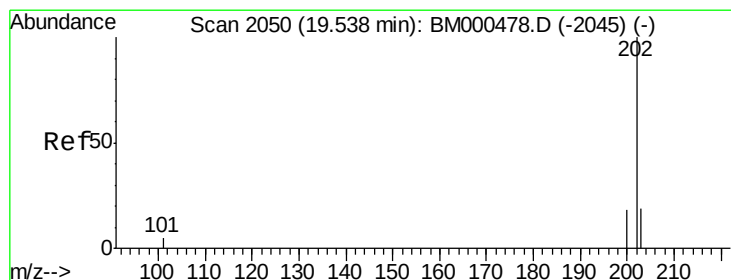
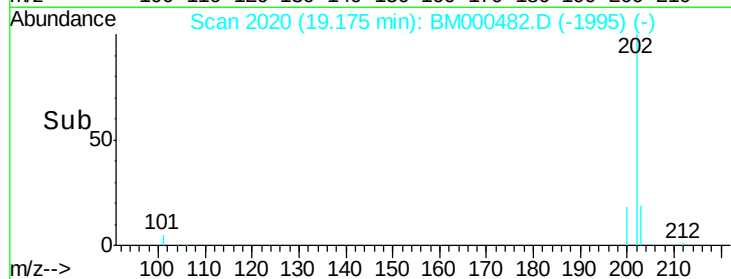
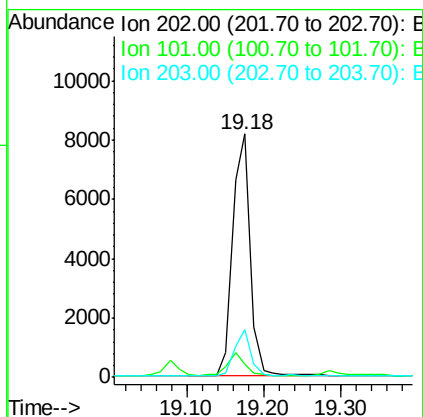
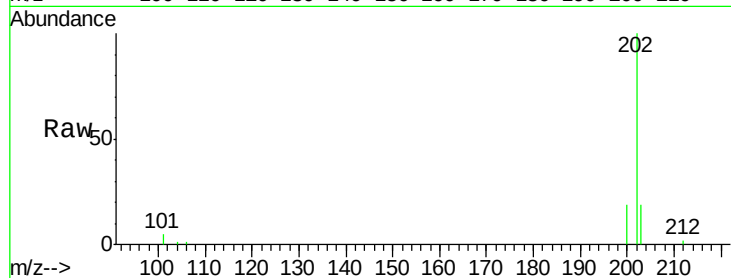




#15
Fluoranthene
 Concen: 0.34 ng/ul
 RT: 19.18 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BM000482.D
 Acq: 11 Feb 2015 15:43

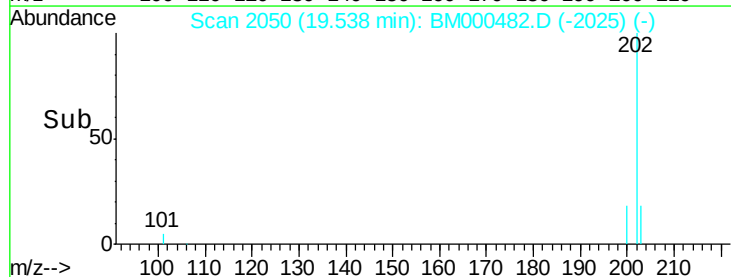
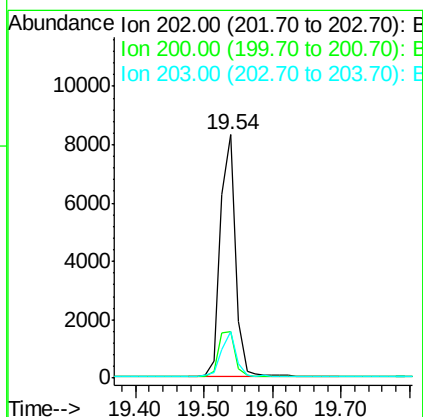
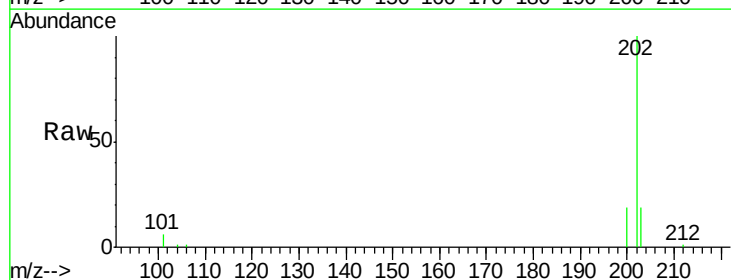
Instrument :
 BNA_M
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 X1H39

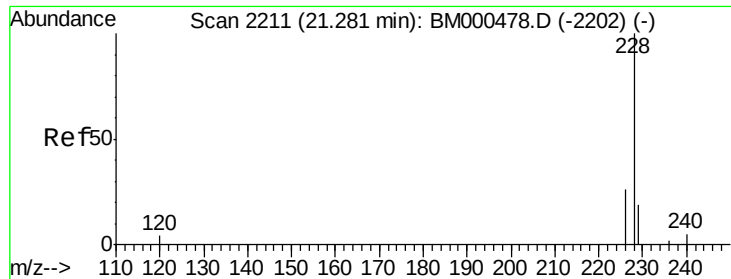
Tgt Ion:202 Resp: 12844
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.6
 203 19.4 0.0 39.2



#17
Pyrene
 Concen: 0.39 ng/ul
 RT: 19.54 min Scan# 2050
 Delta R.T. 0.00 min
 Lab File: BM000482.D
 Acq: 11 Feb 2015 15:43

Tgt Ion:202 Resp: 12655
 Ion Ratio Lower Upper
 202 100
 200 19.0 14.9 22.3
 203 19.1 15.4 23.0





#18

Benzo(a)anthracene

Concen: 0.48 ng/ul

RT: 21.28 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

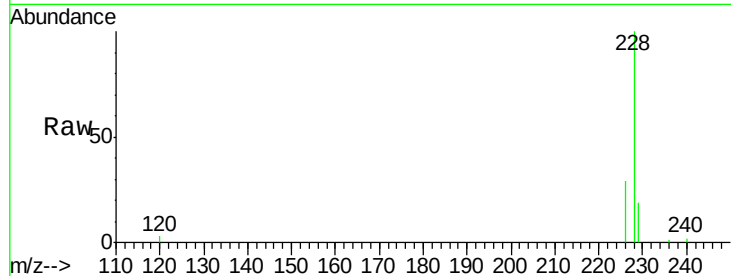
Tgt Ion:228 Resp: 12365

Ion Ratio Lower Upper

228 100

226 28.8 21.4 32.0

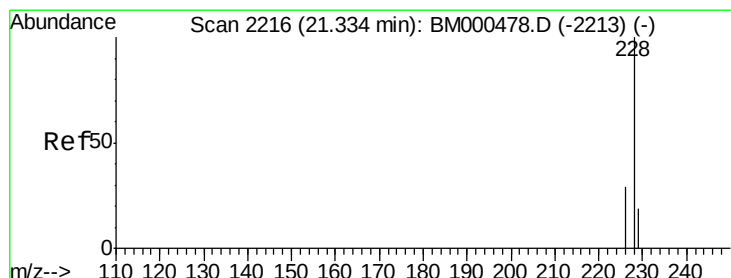
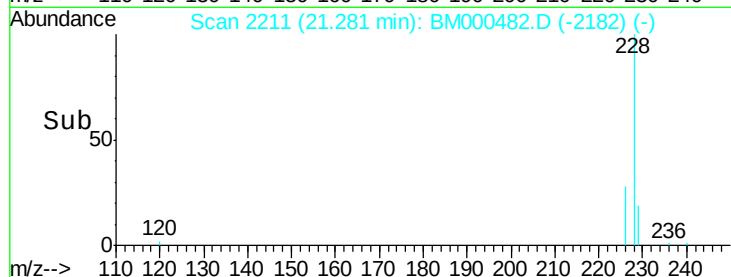
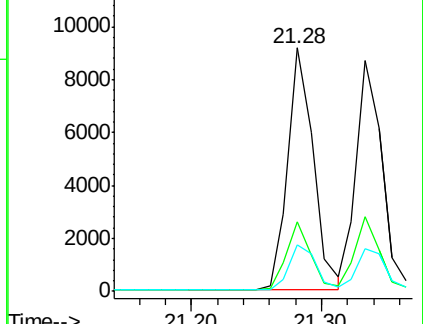
229 19.0 15.6 23.4



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: 0.42 ng/ul

RT: 21.33 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

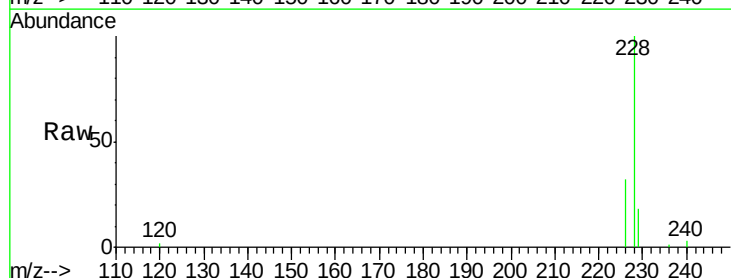
Tgt Ion:228 Resp: 12565

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.6

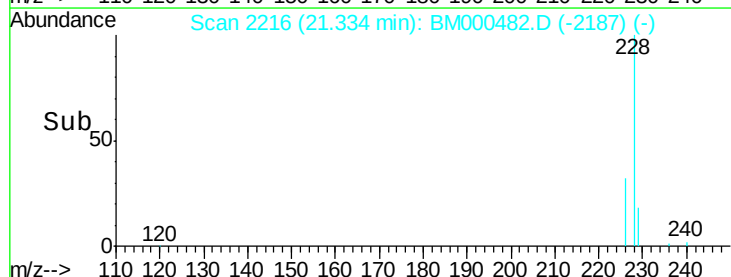
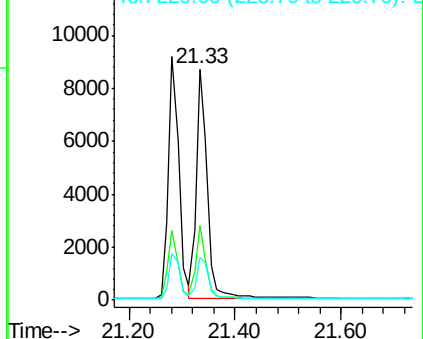
229 18.3 15.9 23.9

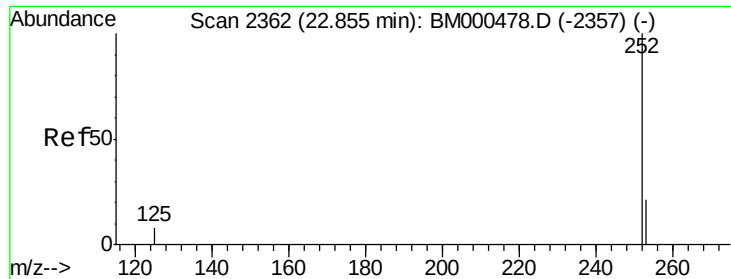


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.57 ng/ul

RT: 22.87 min Scan# 2363

Delta R.T. 0.01 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

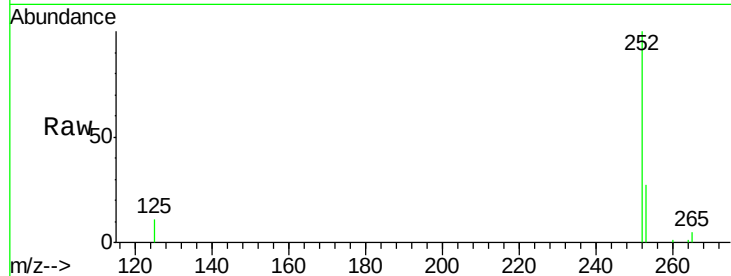
Tgt Ion:252 Resp: 14939

Ion Ratio Lower Upper

252 100

253 26.6 0.0 49.0

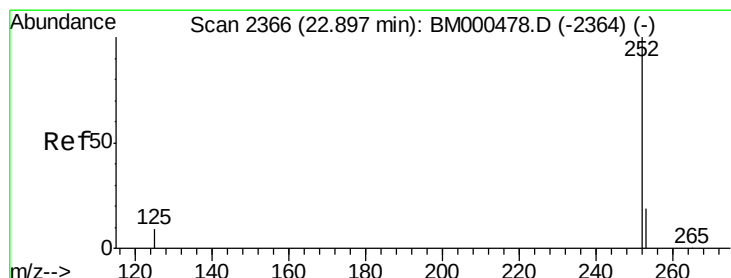
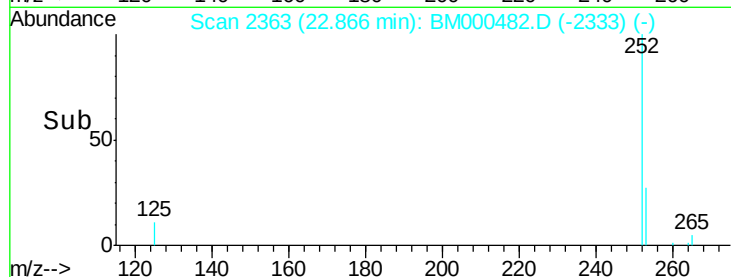
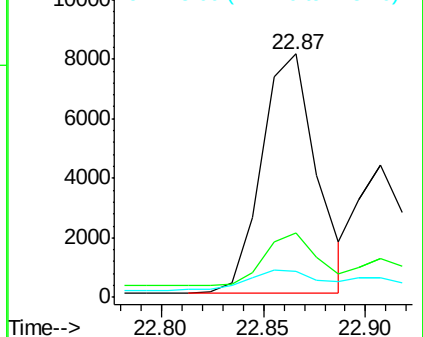
125 10.8 0.0 18.4



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: 0.54 ng/ul

RT: 22.87 min Scan# 2363

Delta R.T. -0.03 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

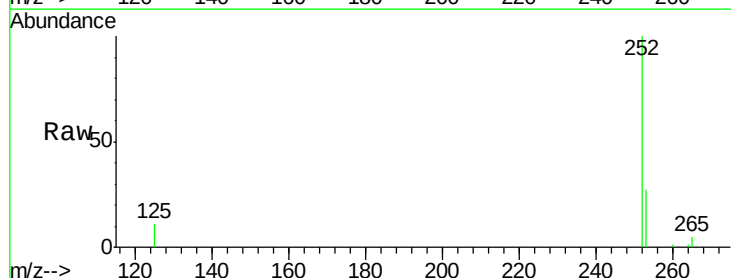
Tgt Ion:252 Resp: 15012

Ion Ratio Lower Upper

252 100

253 26.6 19.8 29.6

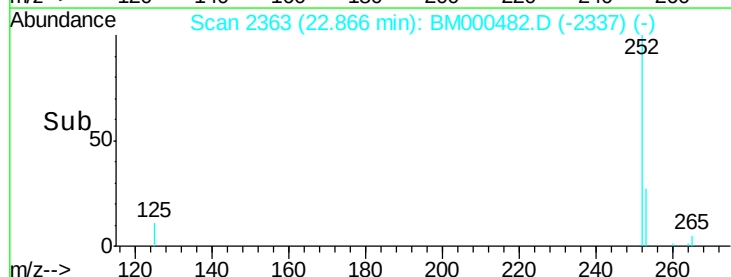
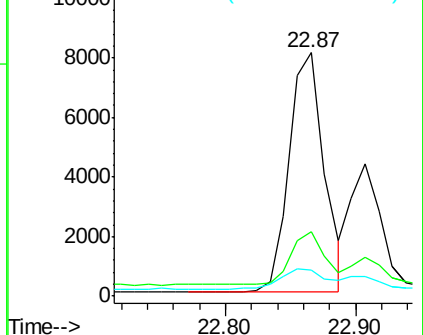
125 10.8 7.6 11.4

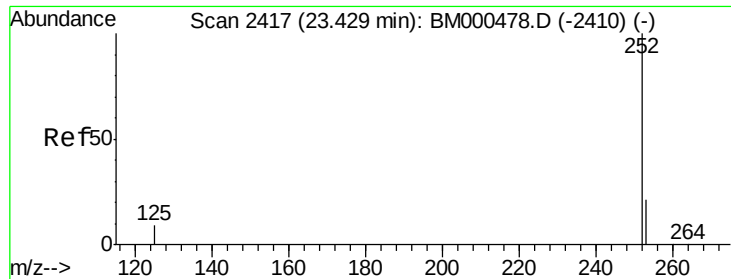


Abundance Ion 252.00 (251.70 to 252.70): E

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# 2418

Delta R.T. 0.01 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

Instrument :

BNA_M

ClientSampleId :

X1H39

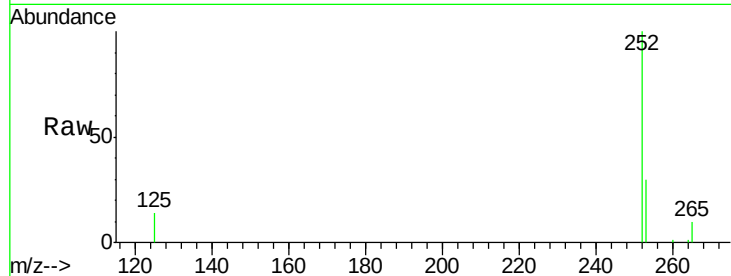
Tgt Ion:252 Resp: 8989

Ion Ratio Lower Upper

252 100

253 30.1 21.2 31.8

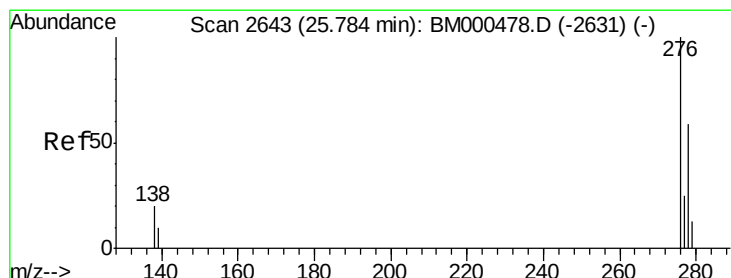
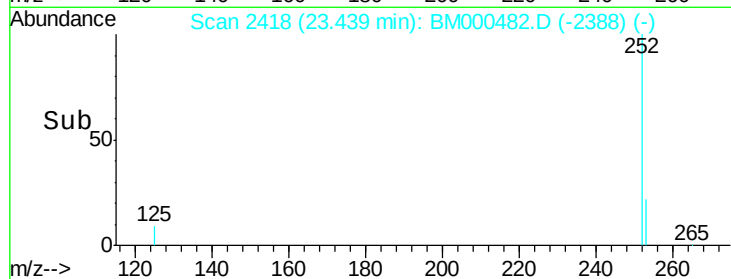
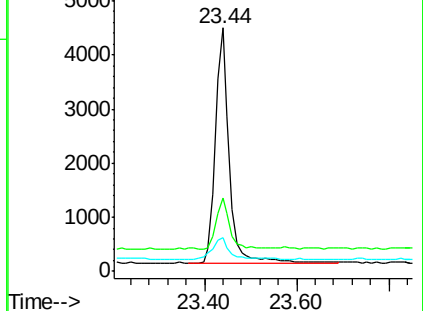
125 13.7 8.4 12.6#



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: 0.15 ng/ul

RT: 25.81 min Scan# 2645

Delta R.T. 0.02 min

Lab File: BM000482.D

Acq: 11 Feb 2015 15:43

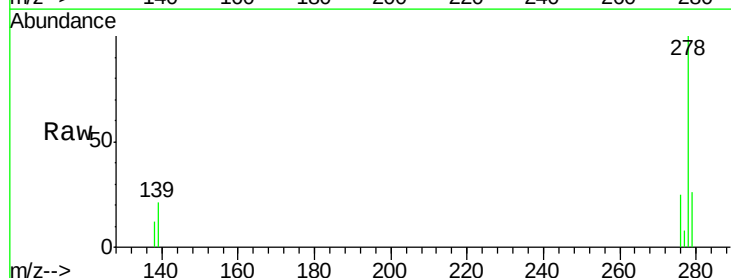
Tgt Ion:276 Resp: 3768

Ion Ratio Lower Upper

276 100

138 48.2 16.3 24.5#

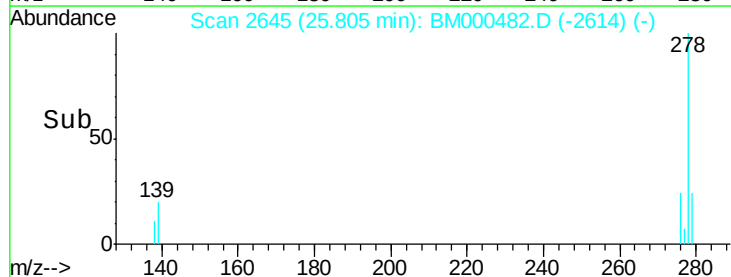
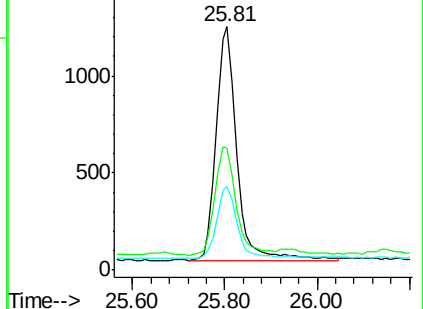
277 31.0 20.0 30.0#

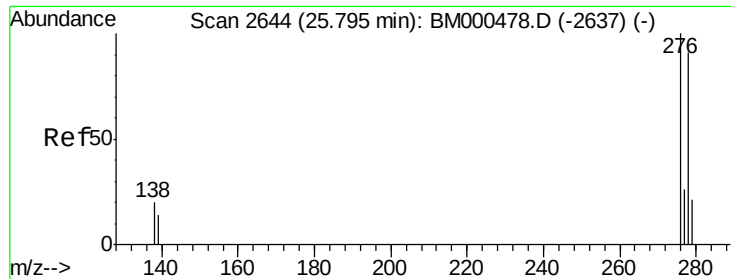


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



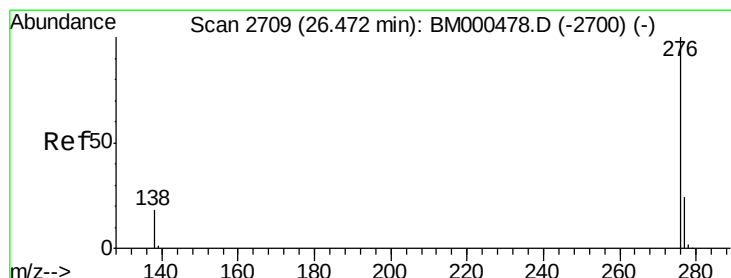
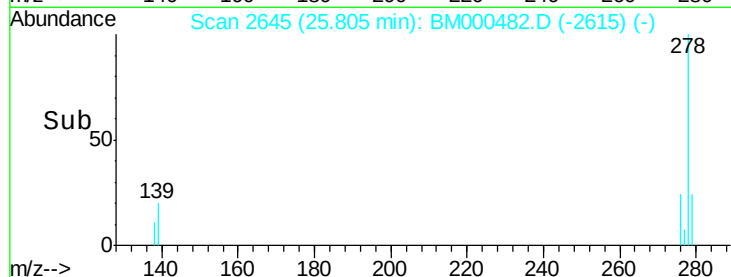
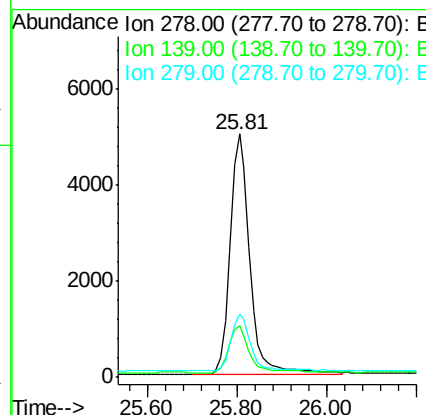
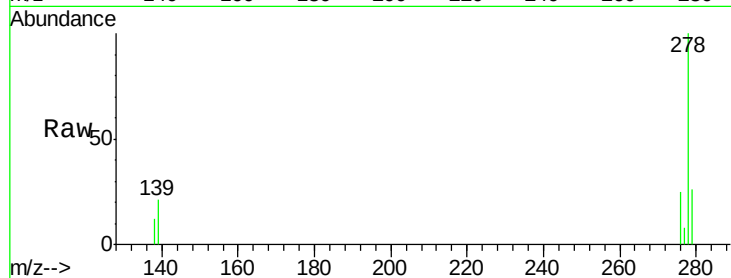


#25
Dibenzo(a,h)anthracene
Concen: 0.75 ng/ul
RT: 25.81 min Scan# 2645
Delta R.T. 0.01 min
Lab File: BM000482.D
Acq: 11 Feb 2015 15:43

Instrument :
BNA_M
ClientSampleId :
X1H39

Tgt Ion: 278 Resp: 15316

Ion	Ratio	Lower	Upper
278	100		
139	21.2	13.4	20.0#
279	26.1	21.3	31.9



#26
Benzo(g,h,i)perylene
Concen: 0.30 ng/ul
RT: 26.48 min Scan# 2710
Delta R.T. 0.01 min
Lab File: BM000482.D
Acq: 11 Feb 2015 15:43

Tgt Ion: 276 Resp: 6633

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.2	30.4
138	21.5	16.0	24.0

