

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020615\
 Data File : BM000437.D
 Acq On : 06 Feb 2015 17:08
 Operator : TP/IZ
 Sample : SSTD0.282
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD0.282

Quant Time: Feb 07 00:44:09 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 00:33:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1892	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	6203	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	4112	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.12	188	7620	0.40	ng/ul	0.00
16) Chrysene-d12	21.31	240	6504	0.40	ng/ul	0.00
20) Perylene-d12	23.56	264	5819	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	1794	0.08	ng/ul	0.01
14) Fluoranthene-d10	19.15	212	3705	0.24	ng/ul	0.00

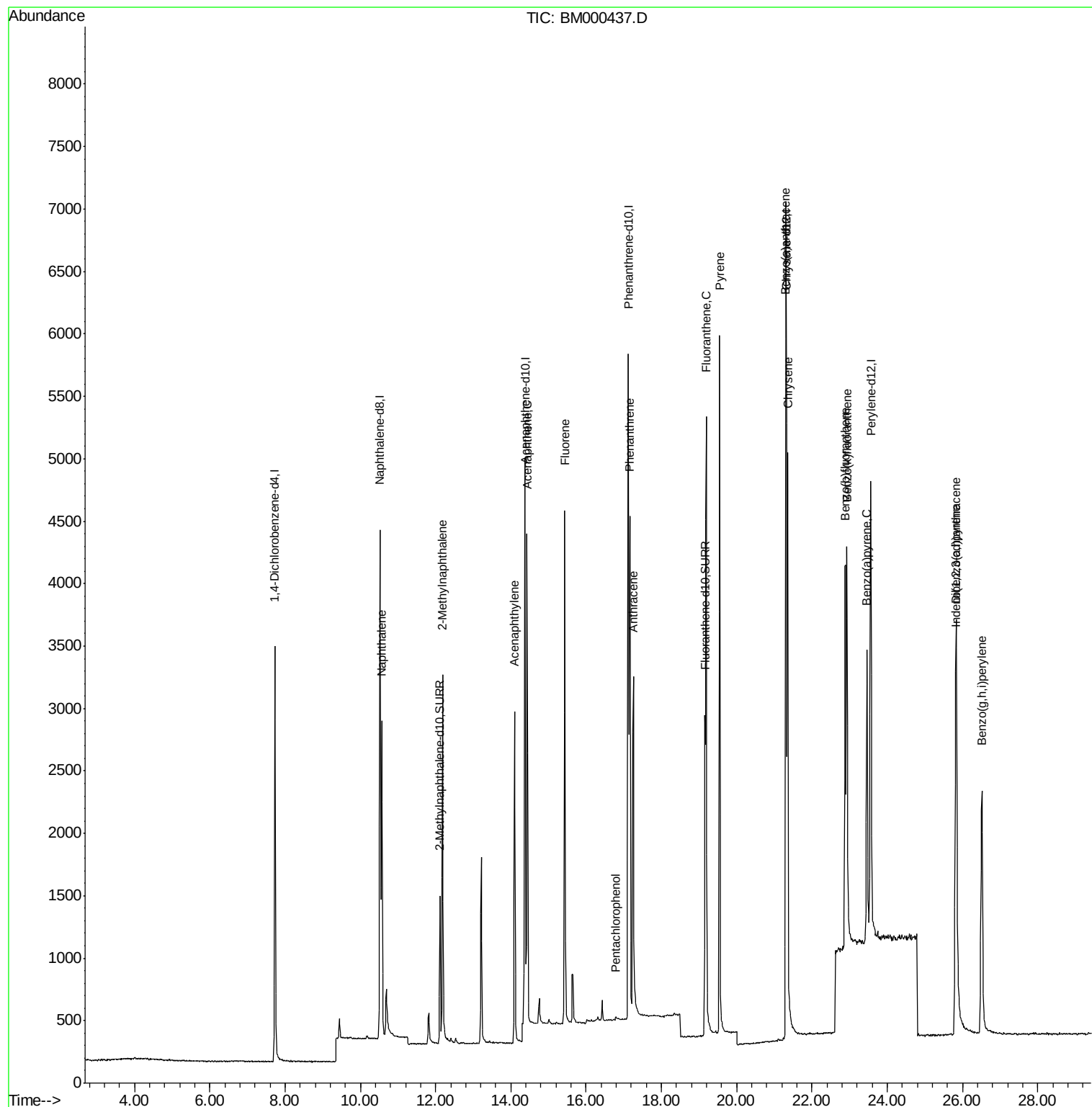
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.56	128	3614	0.25	ng/ul	97
5) 2-Methylnaphthalene	12.18	142	2471	0.27	ng/ul#	100
7) Acenaphthylene	14.10	152	3362	0.06	ng/ul	98
8) Acenaphthene	14.43	153	2653	0.07	ng/ul	99
9) Fluorene	15.43	166	3142	0.24	ng/ul	99
11) Pentachlorophenol	16.79	266	59	0.17	ng/ul#	100
12) Phenanthrene	17.16	178	4991	0.08	ng/ul	97
13) Anthracene	17.26	178	4441	0.07	ng/ul	96
15) Fluoranthene	19.19	202	5743	0.08	ng/ul	98
17) Pyrene	19.55	202	5890	0.11	ng/ul	98
18) Benzo(a)anthracene	21.30	228	4409	0.09	ng/ul#	91
19) Chrysene	21.35	228	5301	0.10	ng/ul	92
21) Benzo(b)fluoranthene	22.88	252	5054	0.04	ng/ul	90
22) Benzo(k)fluoranthene	22.93	252	4652	0.04	ng/ul	91
23) Benzo(a)pyrene	23.46	252	4513	0.04	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.82	276	5180	0.12	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.84	278	4029	0.30	ng/ul	93
26) Benzo(g,h,i)perylene	26.51	276	4628	0.10	ng/ul	95

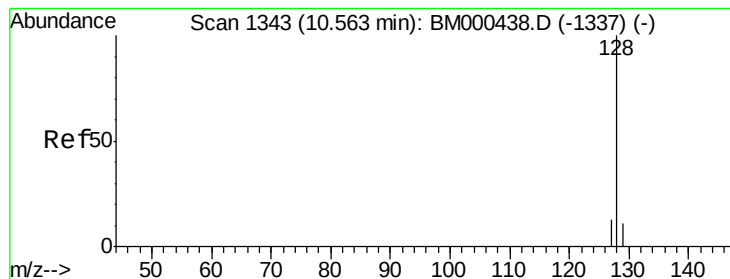
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.25 ng/ul

RT: 10.56 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

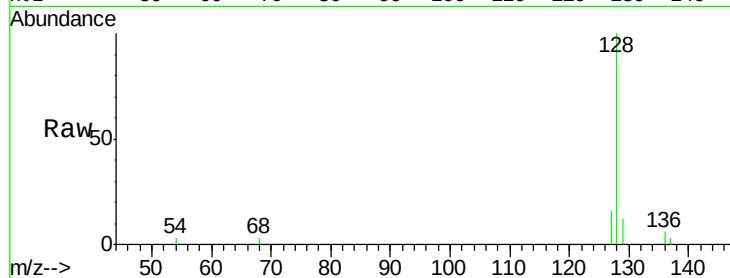
Tgt Ion:128 Resp: 3614

Ion Ratio Lower Upper

128 100

129 12.5 9.4 14.0

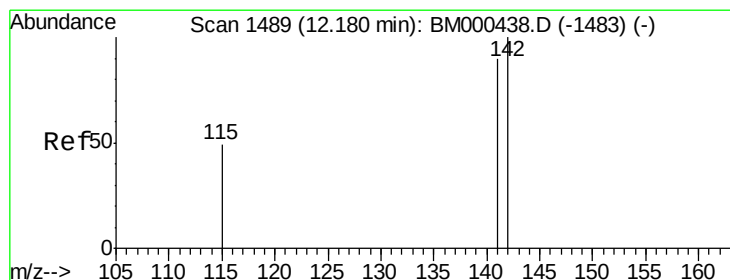
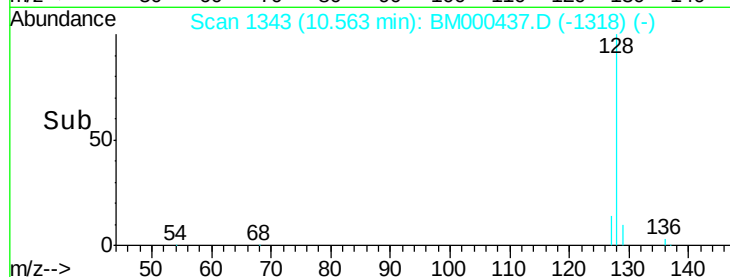
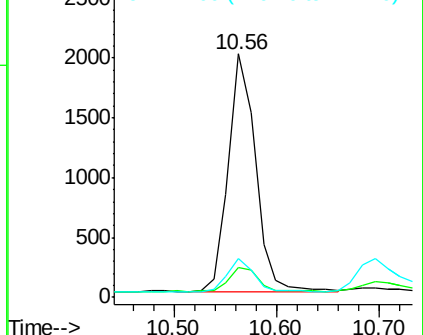
127 15.7 11.4 17.0



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: 0.27 ng/ul

RT: 12.18 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM000437.D

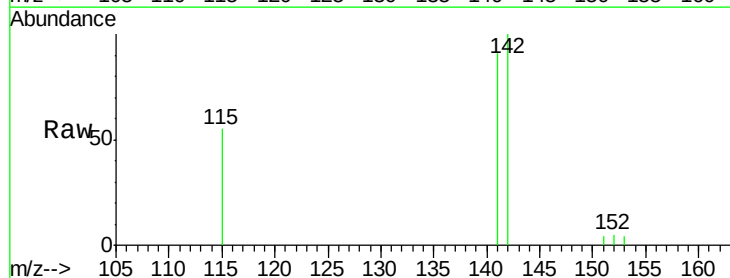
Acq: 06 Feb 2015 17:08

Tgt Ion:142 Resp: 2471

Ion Ratio Lower Upper

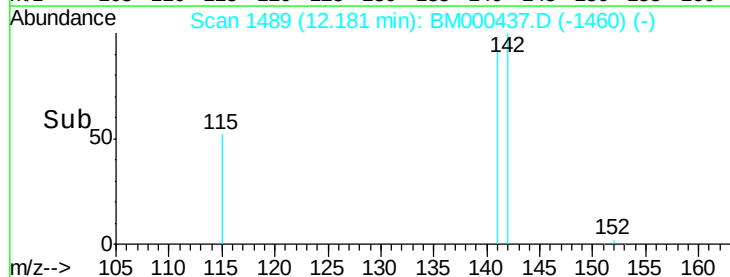
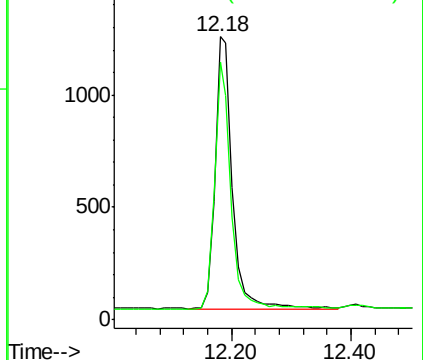
142 100

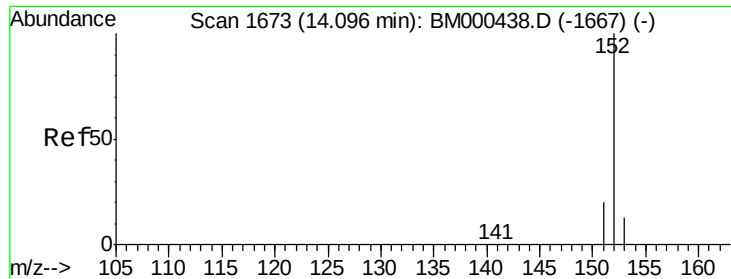
141 87.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.10 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

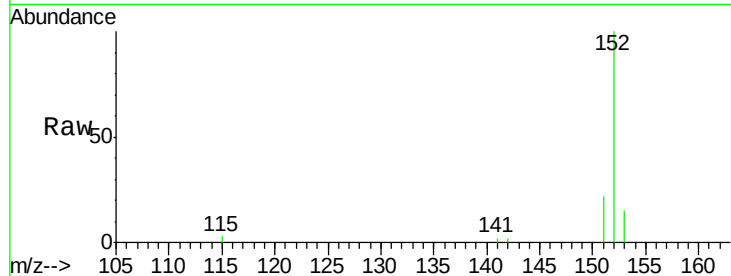
Tgt Ion:152 Resp: 3362

Ion Ratio Lower Upper

152 100

151 21.6 16.9 25.3

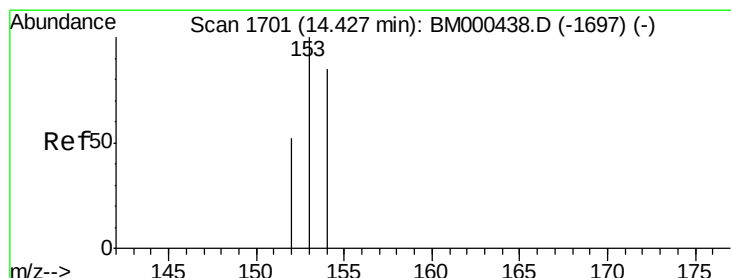
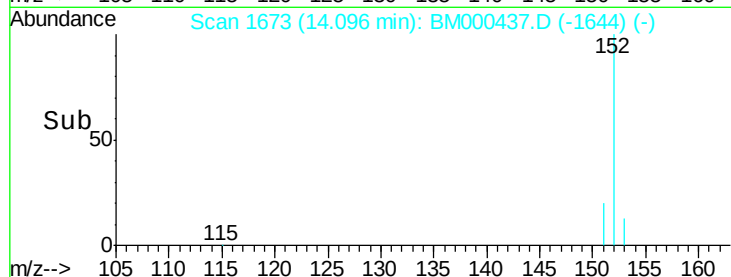
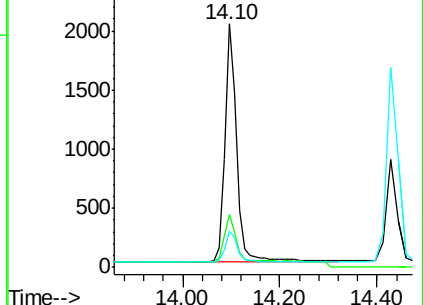
153 14.7 11.0 16.6



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: 0.07 ng/ul

RT: 14.43 min Scan# 1701

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

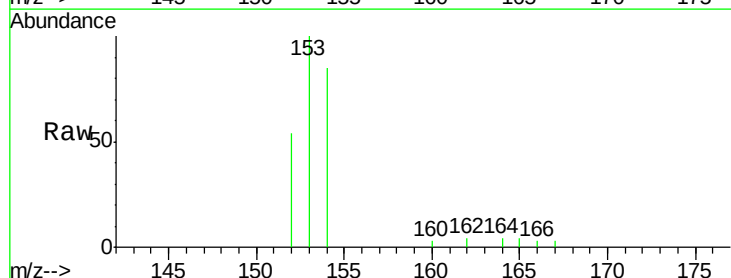
Tgt Ion:153 Resp: 2653

Ion Ratio Lower Upper

153 100

152 53.9 42.4 63.6

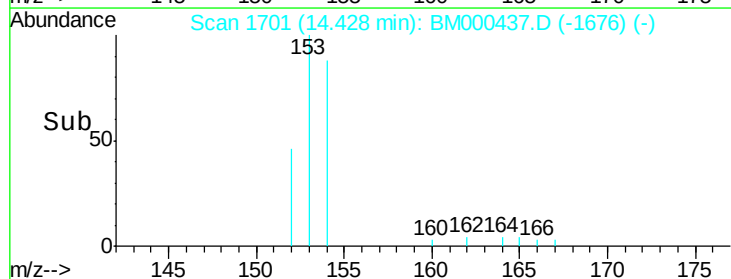
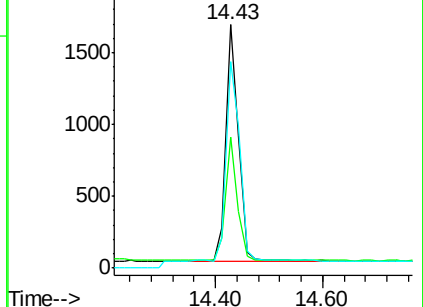
154 84.6 68.2 102.4

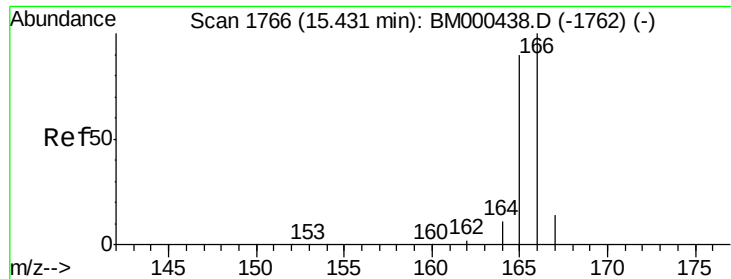


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.24 ng/ul

RT: 15.43 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

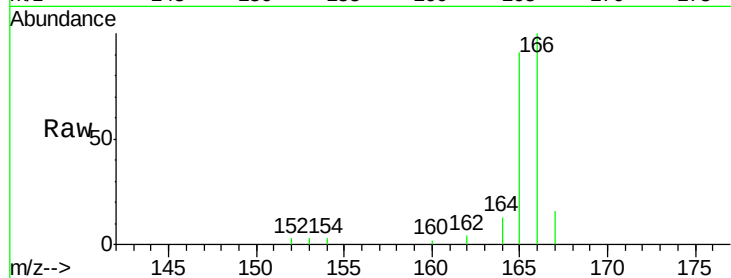
Tgt Ion:166 Resp: 3142

Ion Ratio Lower Upper

166 100

165 91.2 72.6 108.8

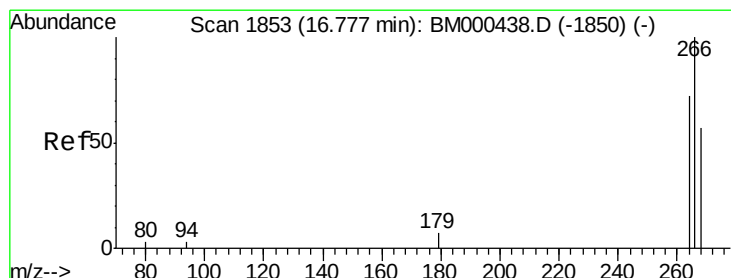
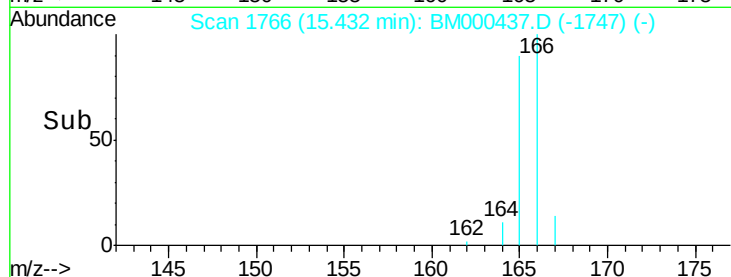
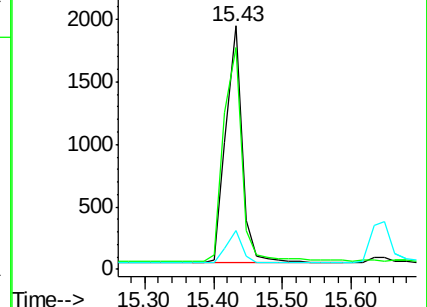
167 16.1 12.2 18.2



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: 0.17 ng/ul

RT: 16.79 min Scan# 1854

Delta R.T. 0.02 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

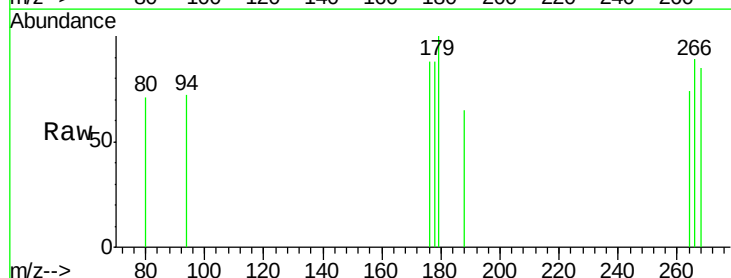
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

264 57.6 0.0 0.0#

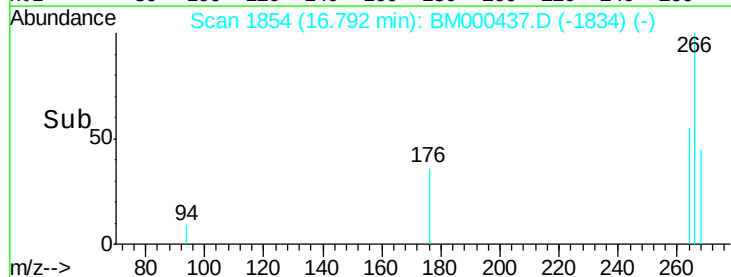
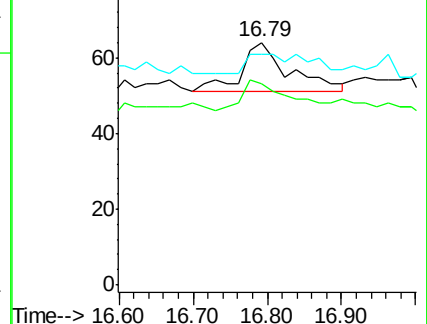
268 28.8 0.0 0.0#

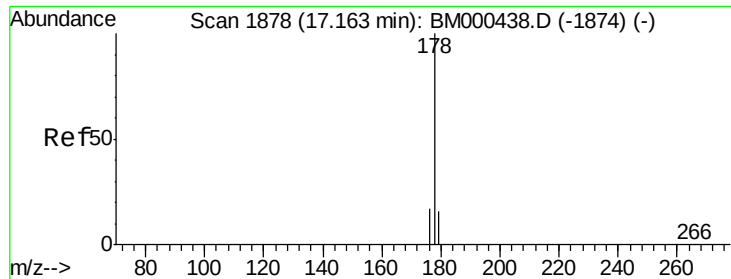


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.16 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

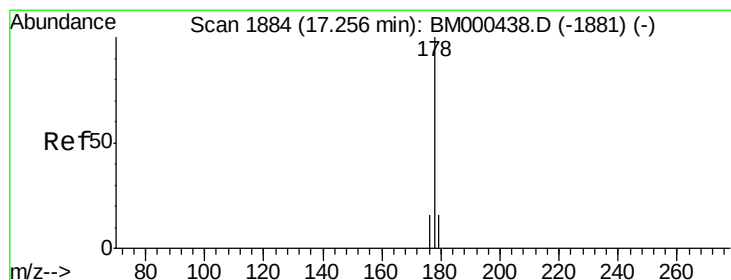
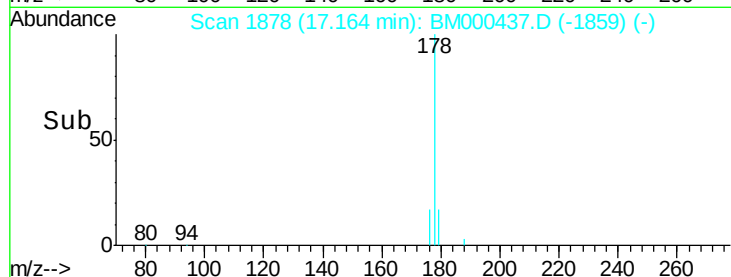
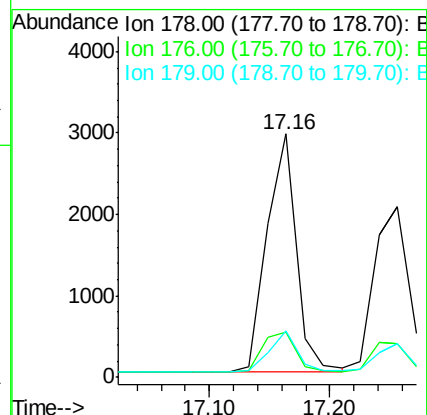
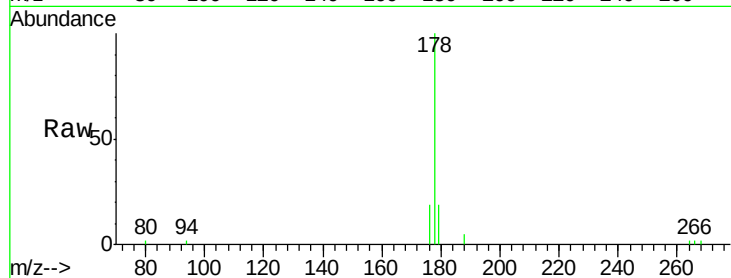
Tgt Ion:178 Resp: 4991

Ion Ratio Lower Upper

178 100

176 18.5 14.3 21.5

179 19.3 13.7 20.5



#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

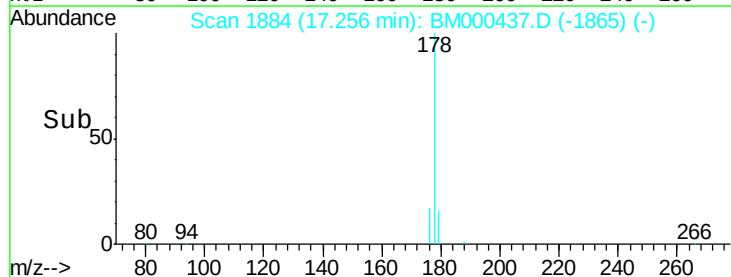
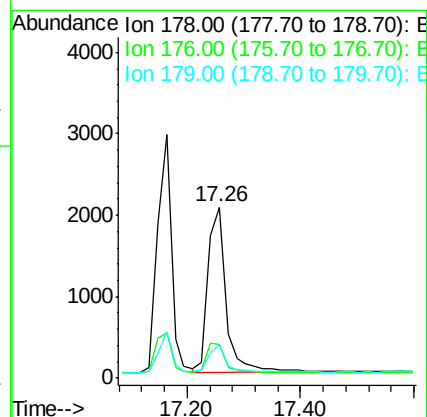
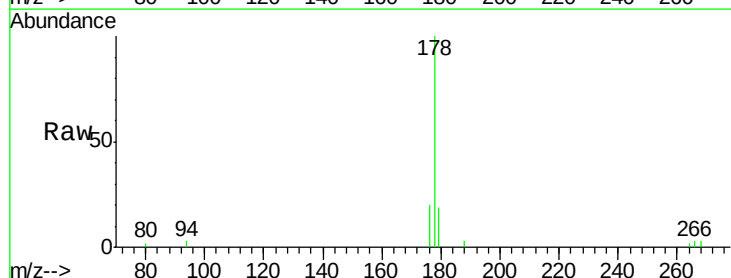
Tgt Ion:178 Resp: 4441

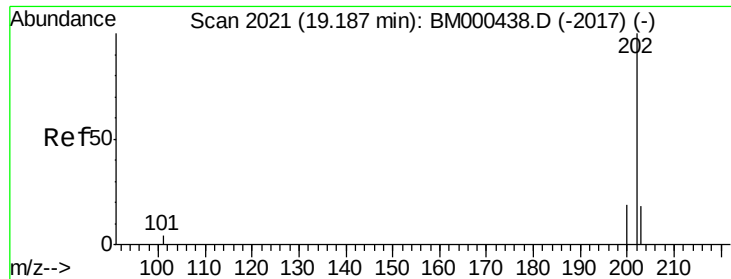
Ion Ratio Lower Upper

178 100

176 19.6 14.0 21.0

179 19.3 14.1 21.1

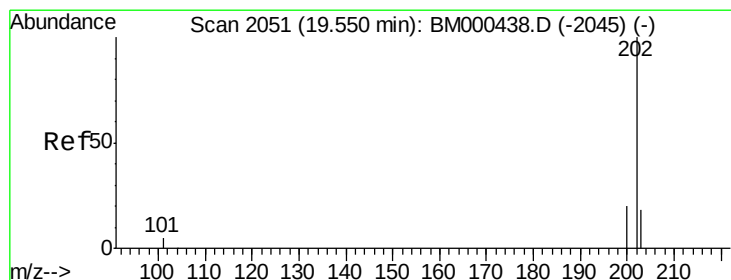
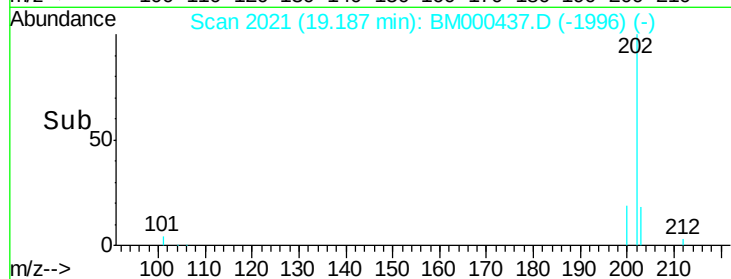
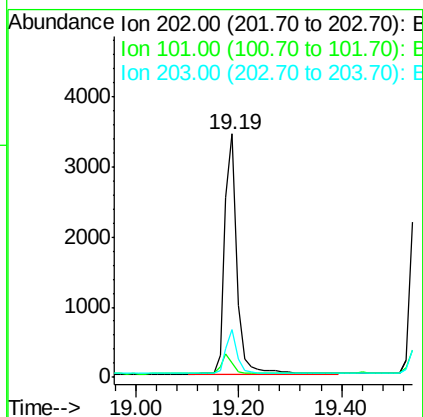
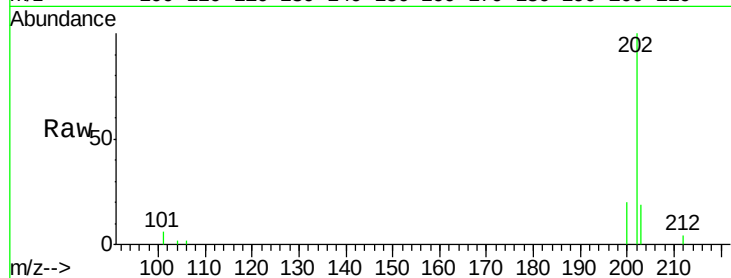




#15
Fluoranthene
Concen: 0.08 ng/ul
RT: 19.19 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000437.D
Acq: 06 Feb 2015 17:08

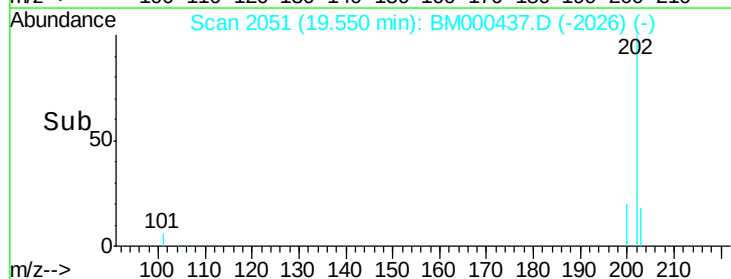
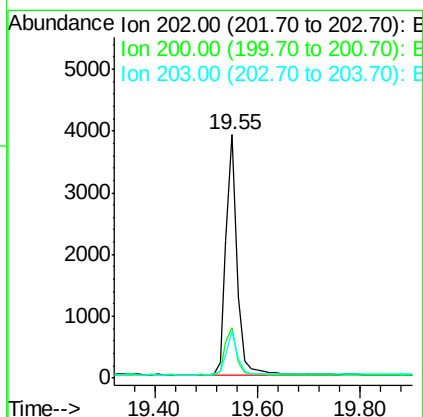
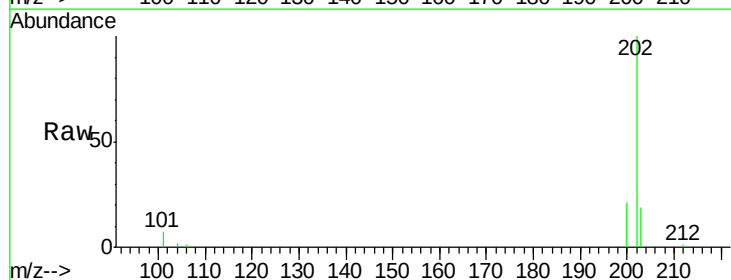
Instrument :
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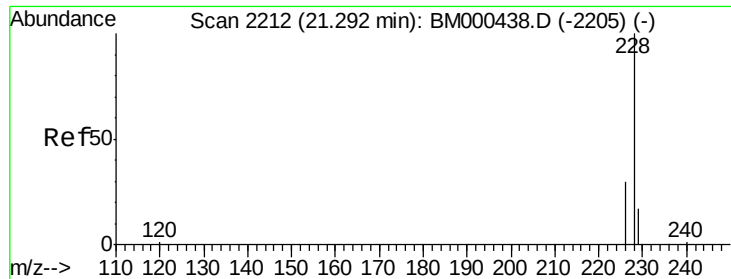
Tgt Ion:202 Resp: 5743
Ion Ratio Lower Upper
202 100
101 5.9 0.0 24.8
203 19.4 0.0 38.9



#17
Pyrene
Concen: 0.11 ng/ul
RT: 19.55 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BM000437.D
Acq: 06 Feb 2015 17:08

Tgt Ion:202 Resp: 5890
Ion Ratio Lower Upper
202 100
200 20.9 16.0 24.0
203 19.3 14.7 22.1





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.30 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

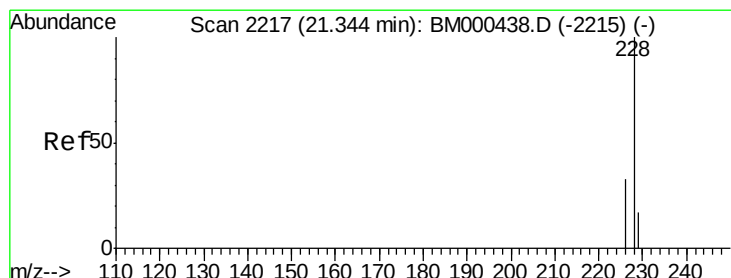
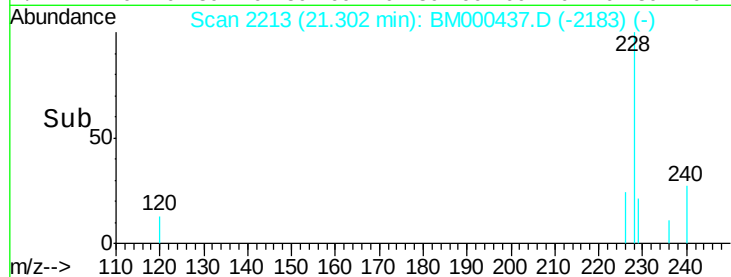
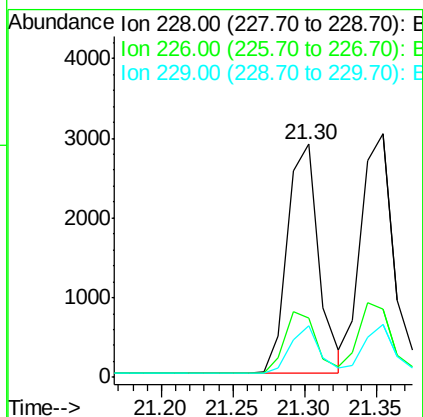
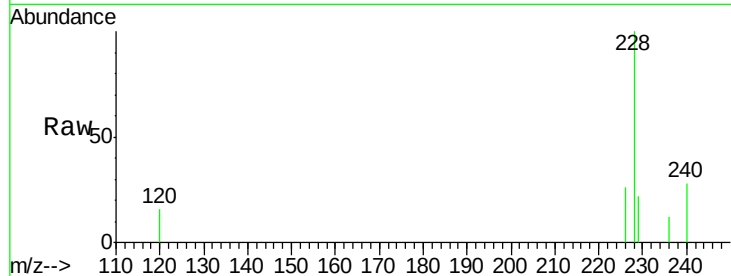
Tgt Ion:228 Resp: 4409

Ion Ratio Lower Upper

228 100

226 25.7 24.6 36.8

229 22.1 14.3 21.5#



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.35 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

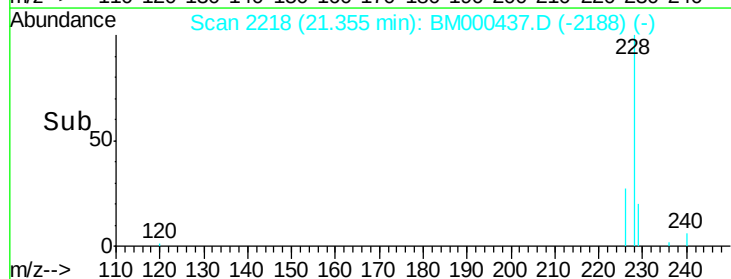
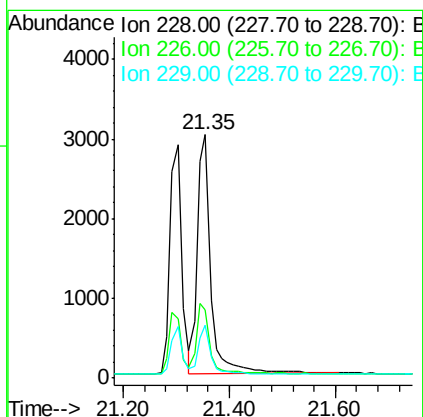
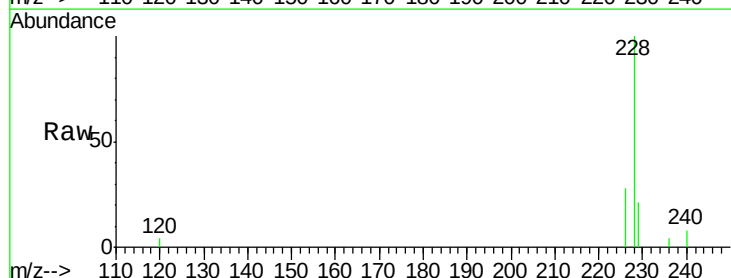
Tgt Ion:228 Resp: 5301

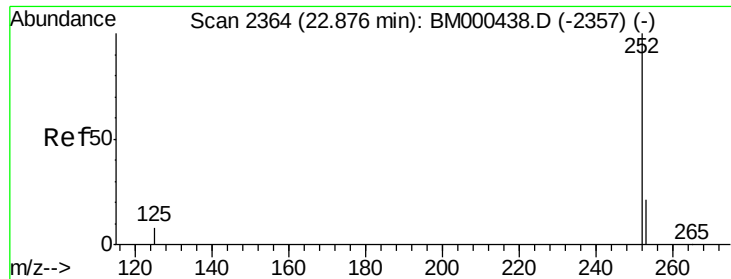
Ion Ratio Lower Upper

228 100

226 28.2 26.4 39.6

229 21.5 14.4 21.6





#21

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 22.88 min Scan# 2364

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

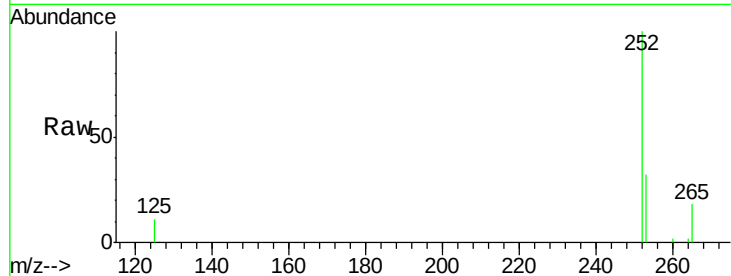
Tgt Ion:252 Resp: 5054

Ion Ratio Lower Upper

252 100

253 31.7 0.0 51.2

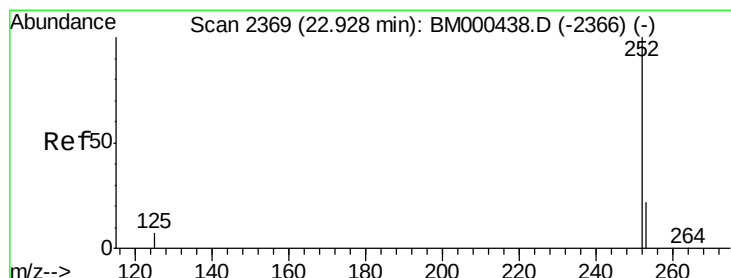
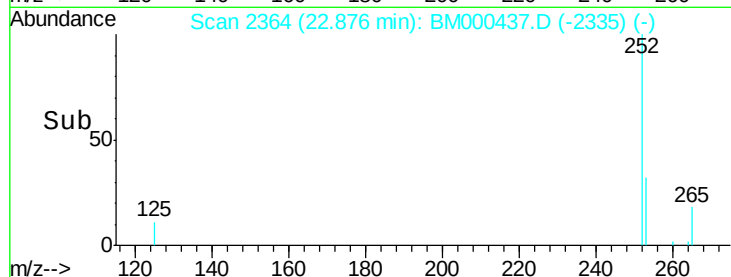
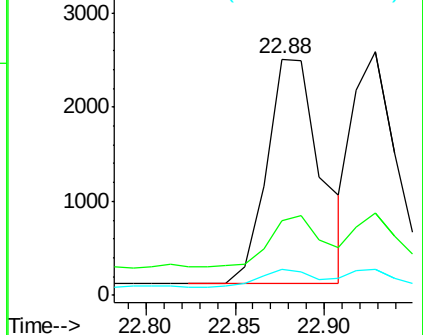
125 11.0 0.0 19.2



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: 0.04 ng/ul

RT: 22.93 min Scan# 2369

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

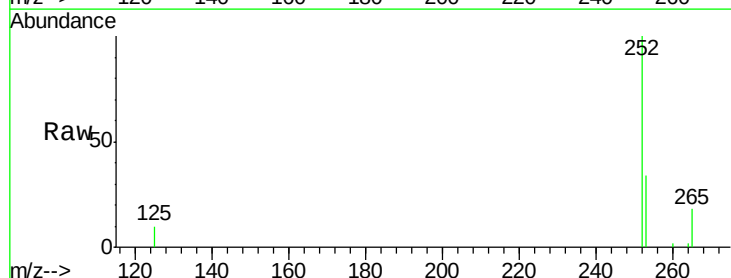
Tgt Ion:252 Resp: 4652

Ion Ratio Lower Upper

252 100

253 33.7 22.6 34.0

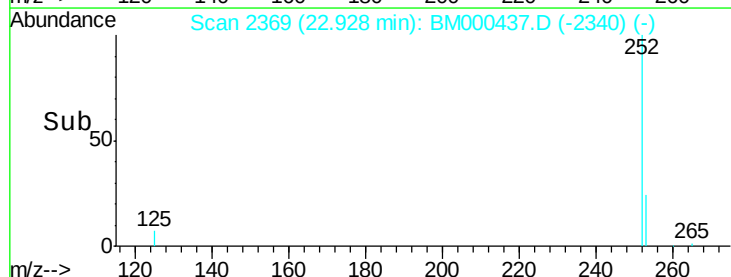
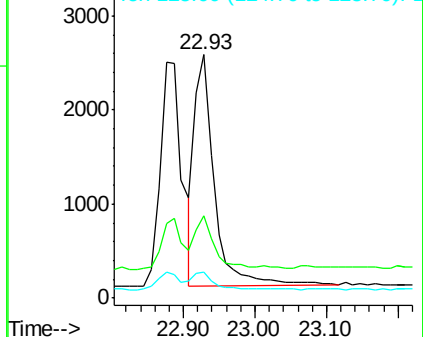
125 10.5 7.0 10.6

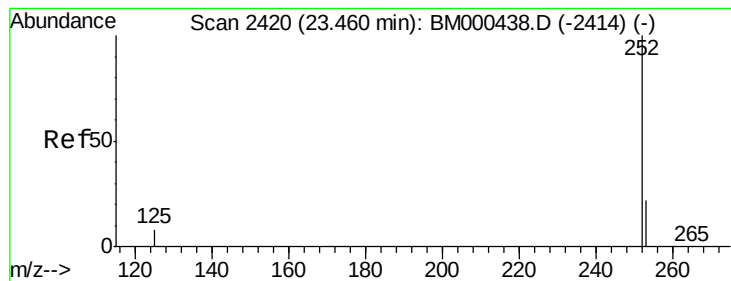


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.46 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

Instrument :

BNA_M

LabSampleId :

SSTD0.282

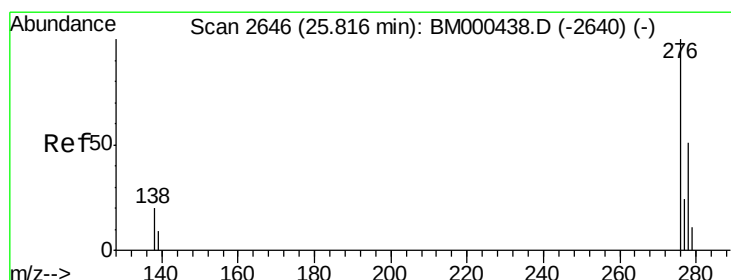
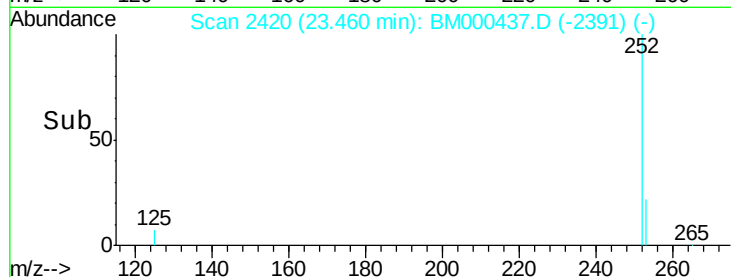
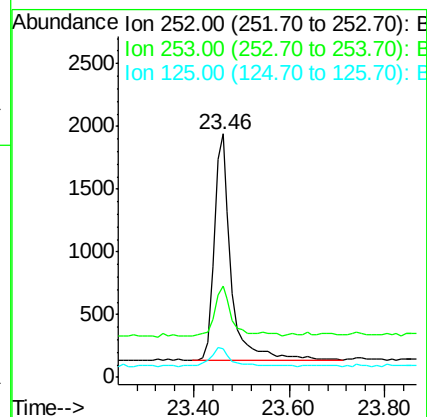
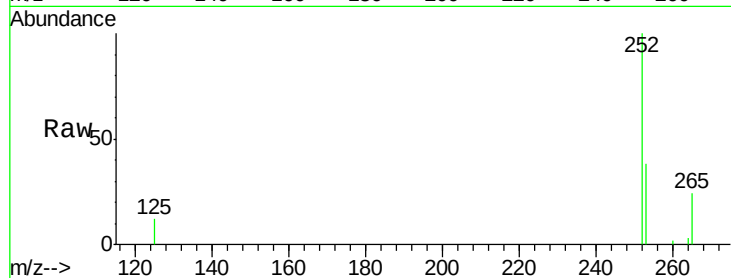
Tgt Ion: 252 Resp: 4513

Ion Ratio Lower Upper

252 100

253 37.6 24.2 36.4#

125 12.0 7.8 11.8#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng/ul

RT: 25.82 min Scan# 2646

Delta R.T. 0.00 min

Lab File: BM000437.D

Acq: 06 Feb 2015 17:08

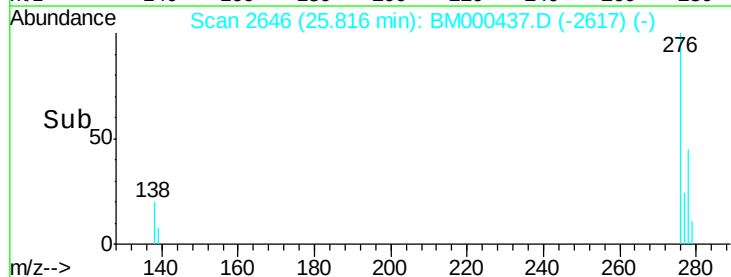
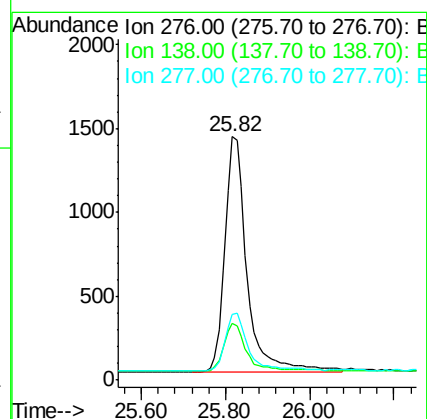
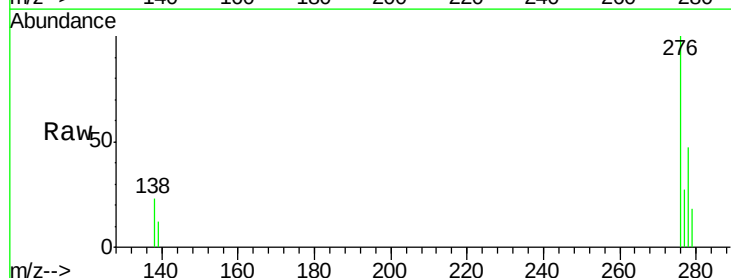
Tgt Ion: 276 Resp: 5180

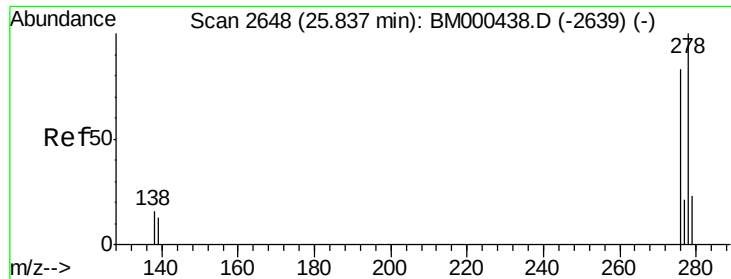
Ion Ratio Lower Upper

276 100

138 19.9 0.1 0.1#

277 24.8 0.0 0.0#



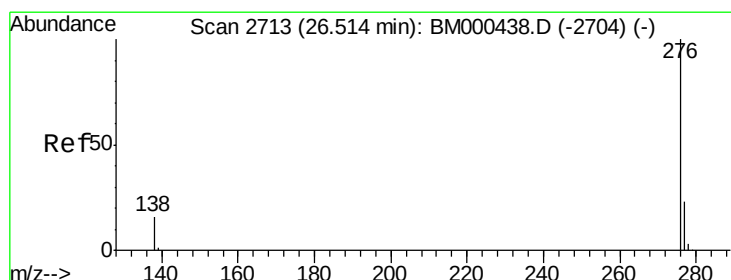
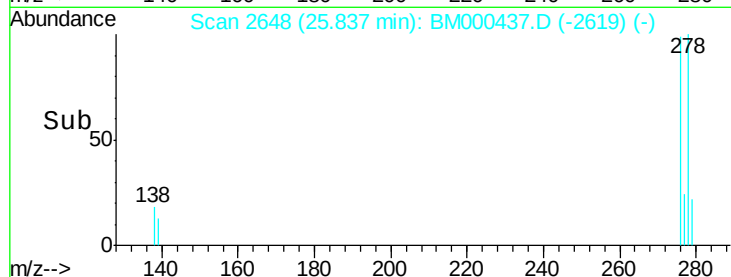
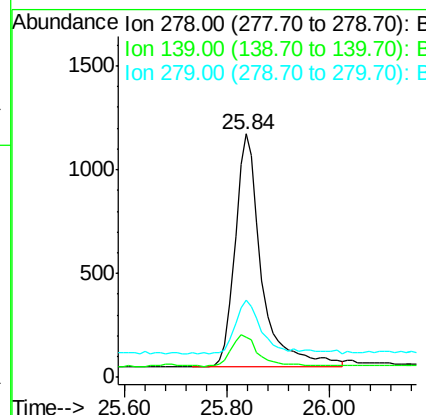
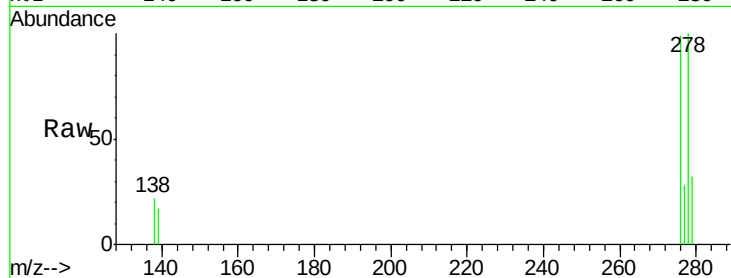


#25
Dibenzo(a,h)anthracene
Concen: 0.30 ng/ul
RT: 25.84 min Scan# 2648
Delta R.T. 0.00 min
Lab File: BM000437.D
Acq: 06 Feb 2015 17:08

Instrument :
BNA_M
LabSampleId :
SSTD0.282

Tgt Ion: 278 Resp: 4029

Ion	Ratio	Lower	Upper
278	100		
139	16.6	11.8	17.8
279	31.7	21.8	32.8



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.51 min Scan# 2713
Delta R.T. 0.00 min
Lab File: BM000437.D
Acq: 06 Feb 2015 17:08

Tgt Ion: 276 Resp: 4628

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.5	29.3
138	21.0	14.1	21.1

