

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031915\
 Data File : BM000734.D
 Acq On : 19 Mar 2015 19:01
 Operator : TP/IZ
 Sample : G1452-03DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 20 11:10:39 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:39:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2508	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	8607	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	5046	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	9179	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	7720	0.40	ng/ul	0.01
20) Perylene-d12	23.42	264	7158	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	1793	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	3312	0.18	ng/ul	0.00

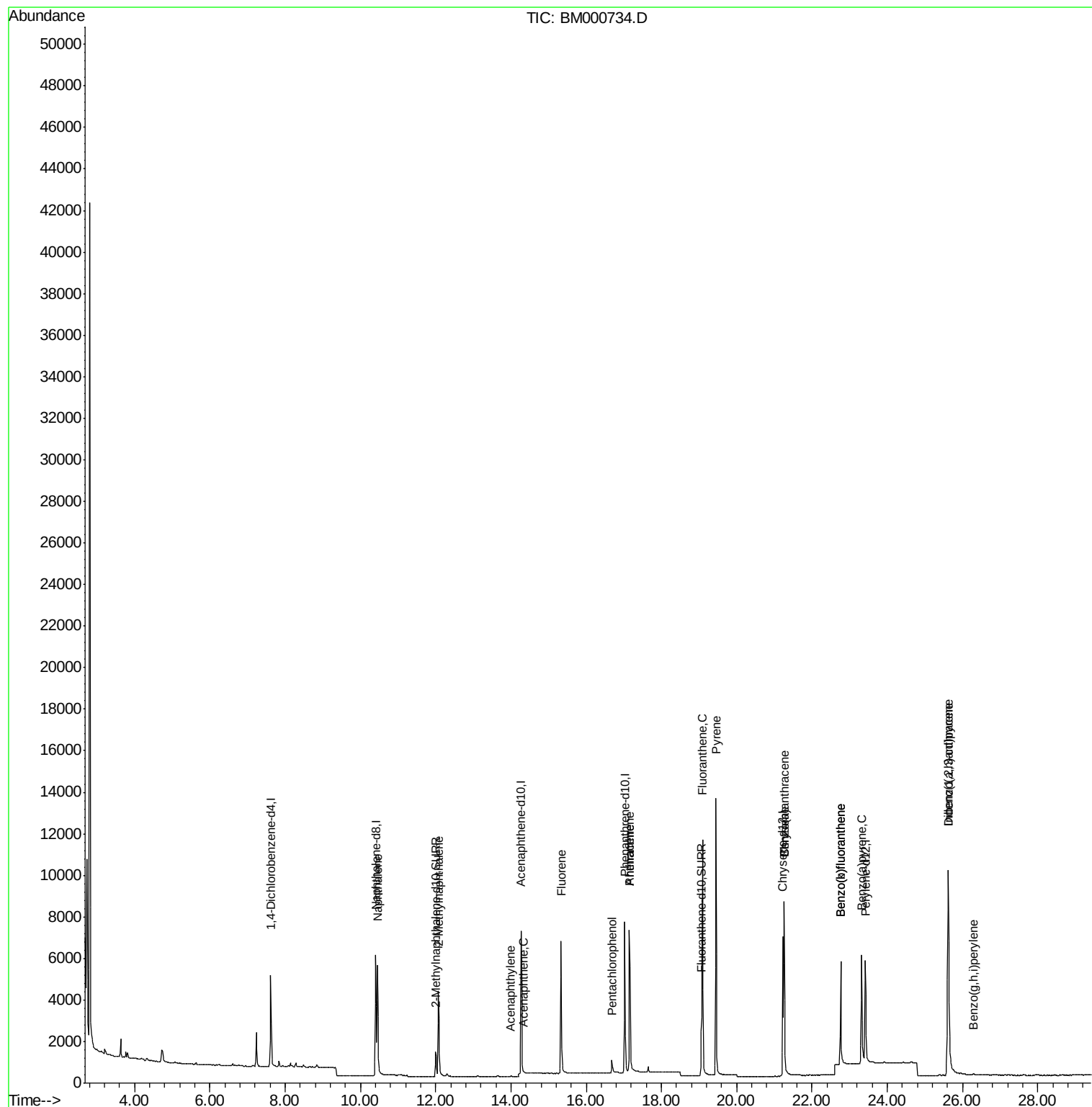
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	7988	0.39	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	3538	0.27	ng/ul	100
7) Acenaphthylene	14.00	152	42	0.00	ng/ul#	1
8) Acenaphthene	14.33	153	48	0.00	ng/ul#	75
9) Fluorene	15.34	166	5540	0.35	ng/ul	98
11) Pentachlorophenol	16.68	266	564	0.49	ng/ul	90
12) Phenanthrene	17.15	178	10361	0.42	ng/ul	98
13) Anthracene	17.15	178	10586	0.49	ng/ul	100
15) Fluoranthene	19.09	202	10991	0.40	ng/ul	99
17) Pyrene	19.45	202	12558	0.46	ng/ul	99
18) Benzo(a)anthracene	21.26	228	8268	0.39	ng/ul	96
19) Chrysene	21.26	228	8337	0.33	ng/ul	92
21) Benzo(b)fluoranthene	22.76	252	7526	0.31	ng/ul	96
22) Benzo(k)fluoranthene	22.76	252	7526	0.30	ng/ul	96
23) Benzo(a)pyrene	23.31	252	8748	0.39	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.62	276	4008	0.16	ng/ul#	61
25) Dibenzo(a,h)anthracene	25.62	278	16958	0.81	ng/ul	95
26) Benzo(g,h,i)perylene	26.28	276	98	0.00	ng/ul#	1

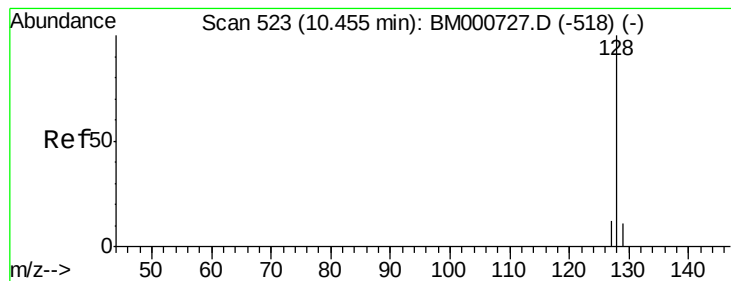
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :

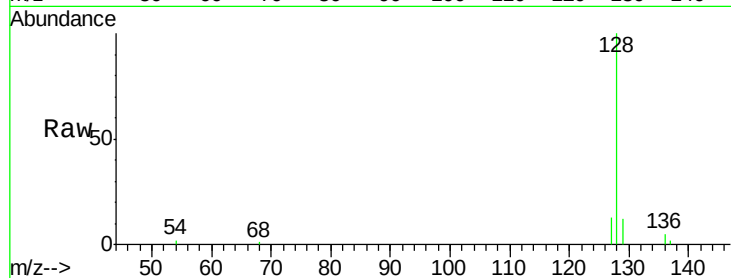
Tgt Ion:128 Resp: 7988

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

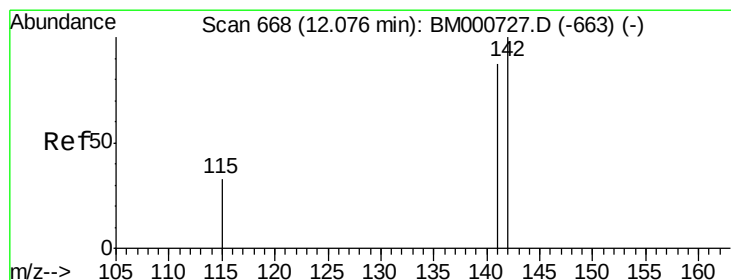
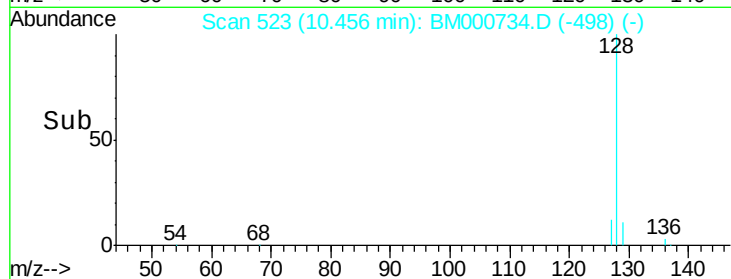
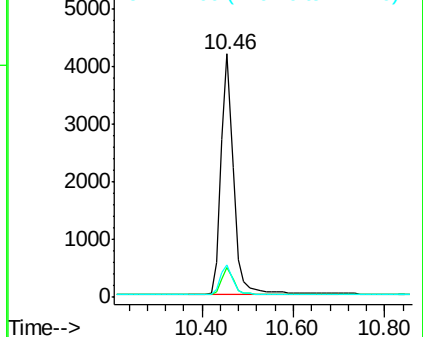
127 13.4 10.2 15.4



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: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000734.D

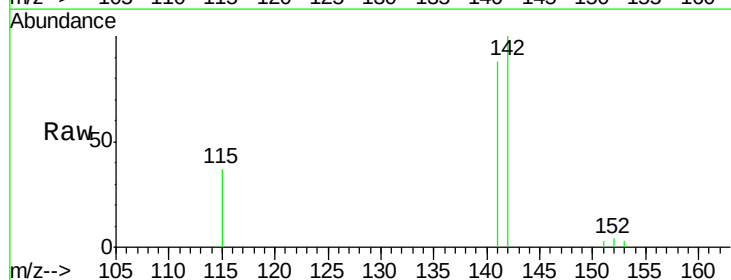
Acq: 19 Mar 2015 19:01

Tgt Ion:142 Resp: 3538

Ion Ratio Lower Upper

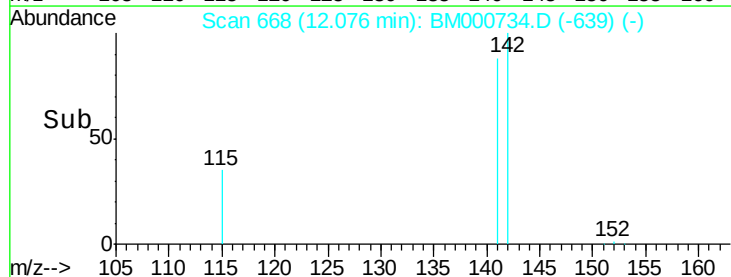
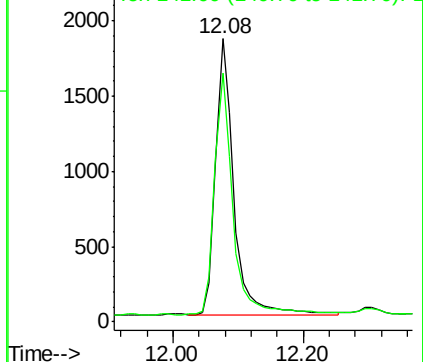
142 100

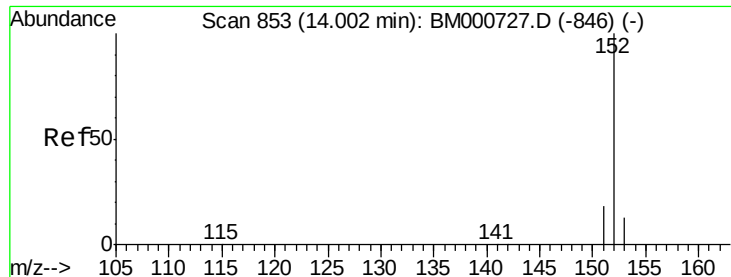
141 88.4 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampled :

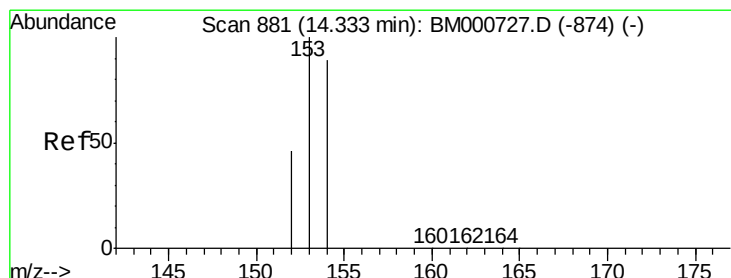
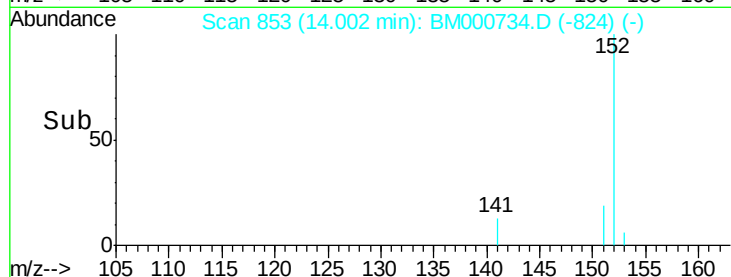
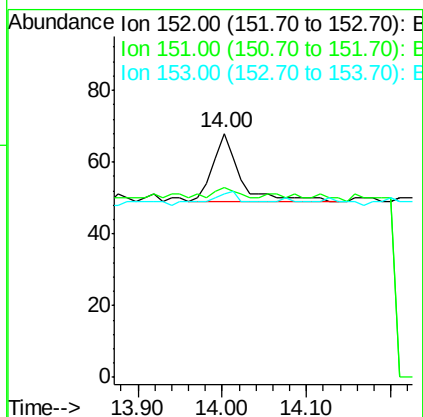
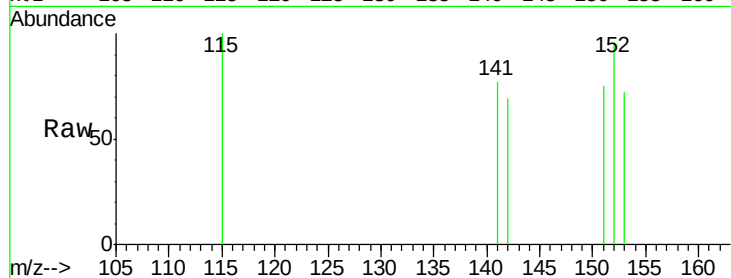
Tgt Ion:152 Resp: 42

Ion Ratio Lower Upper

152 100

151 77.9 15.2 22.8#

153 75.0 11.2 16.8#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

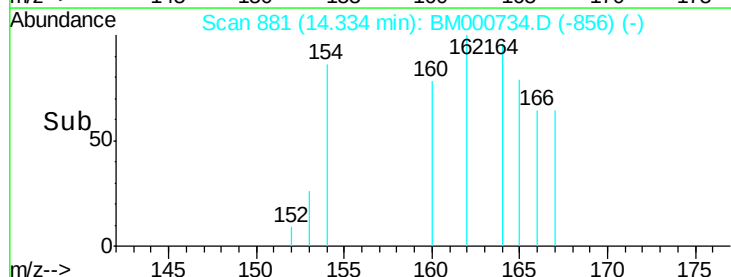
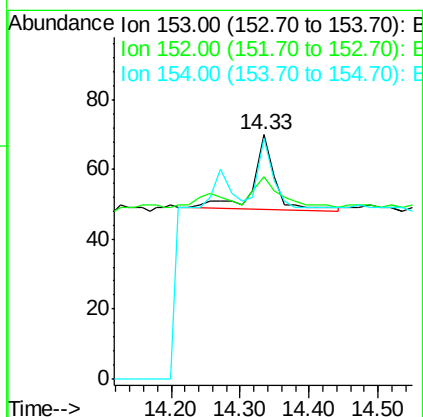
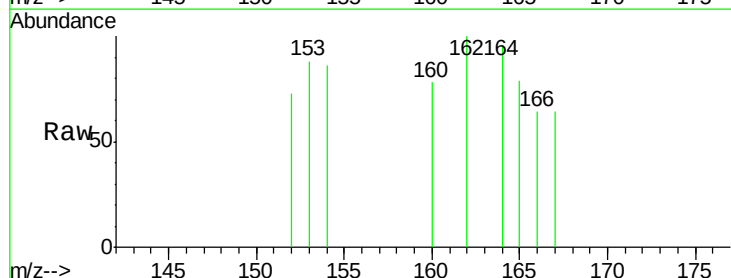
Tgt Ion:153 Resp: 48

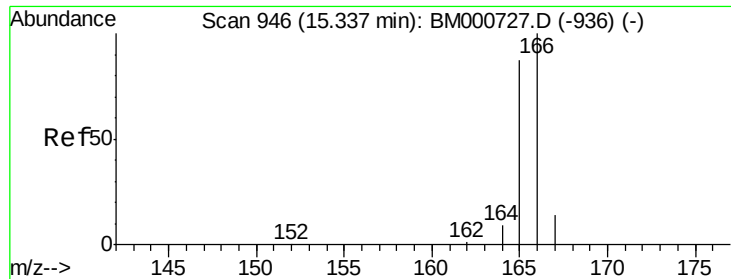
Ion Ratio Lower Upper

153 100

152 82.9 37.8 56.6#

154 98.6 71.0 106.6

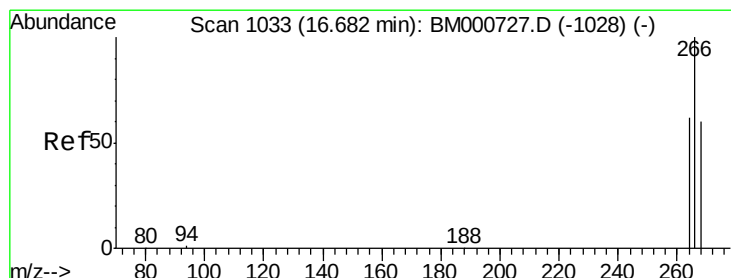
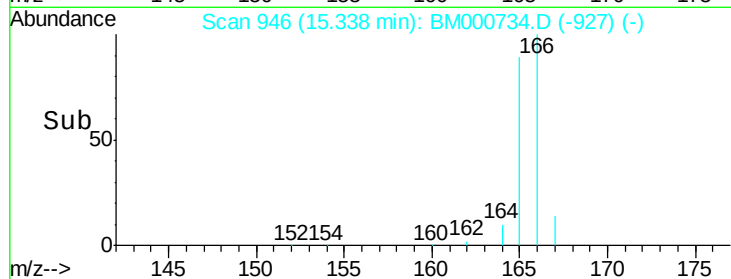
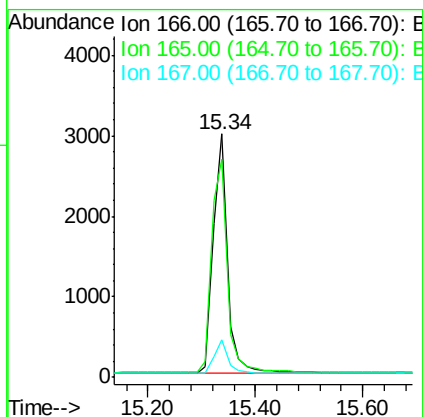
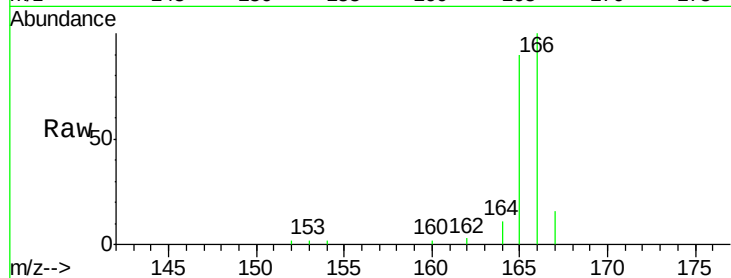




#9
Fluorene
 Concen: 0.35 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM000734.D
 Acq: 19 Mar 2015 19:01

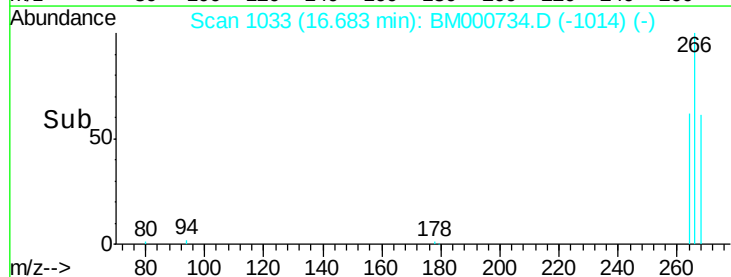
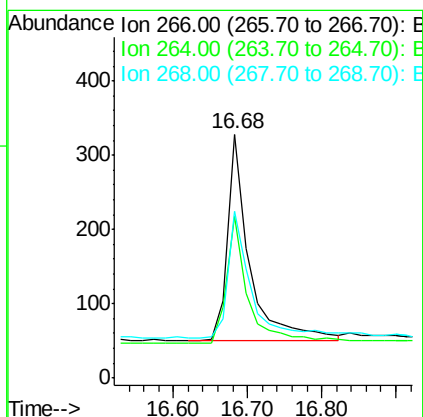
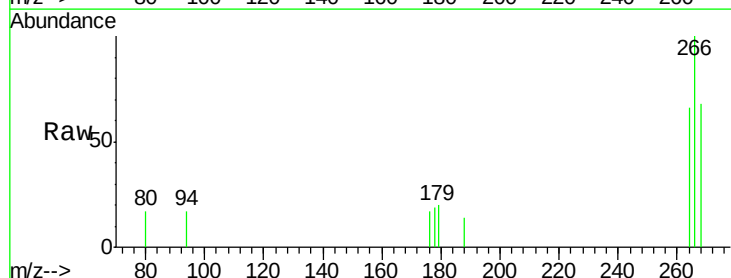
Instrument :
 BNA_M
 ClientSampleId :

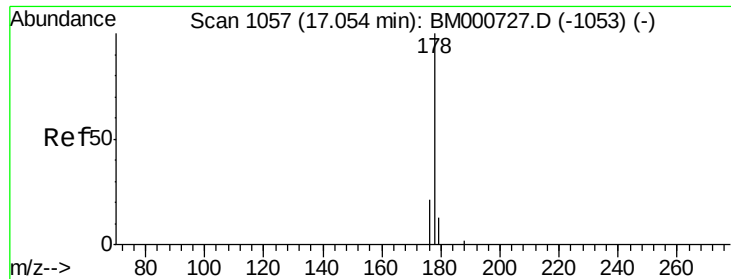
Tgt Ion:166 Resp: 5540
 Ion Ratio Lower Upper
 166 100
 165 89.7 69.8 104.6
 167 15.5 12.5 18.7



#11
Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM000734.D
 Acq: 19 Mar 2015 19:01

Tgt Ion:266 Resp: 564
 Ion Ratio Lower Upper
 266 100
 264 68.4 47.8 71.8
 268 71.6 51.7 77.5





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.09 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :

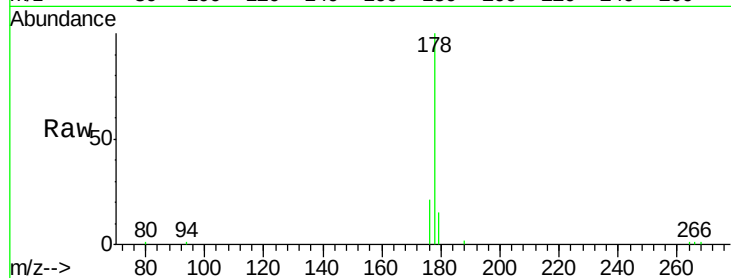
Tgt Ion:178 Resp: 10361

Ion Ratio Lower Upper

178 100

176 20.7 17.4 26.0

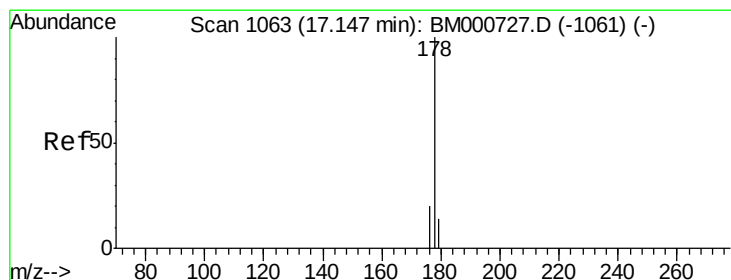
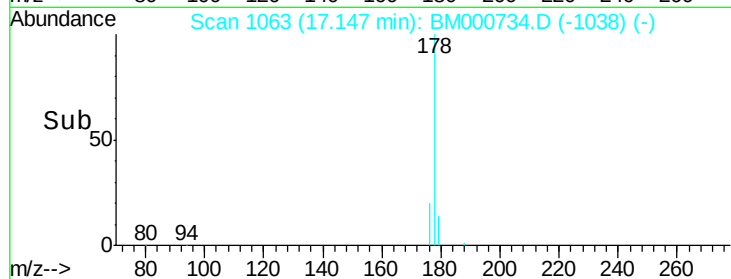
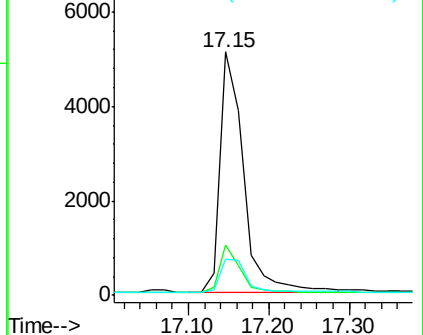
179 14.8 11.5 17.3



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: 0.49 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

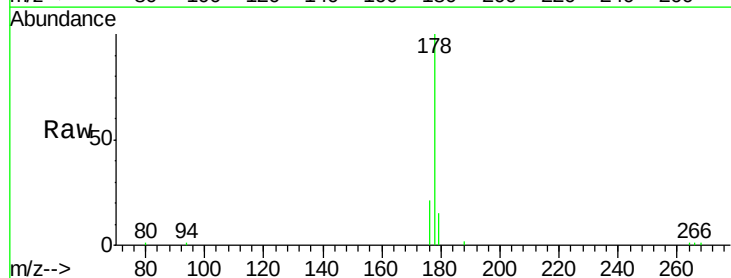
Tgt Ion:178 Resp: 10586

Ion Ratio Lower Upper

178 100

176 20.7 16.7 25.1

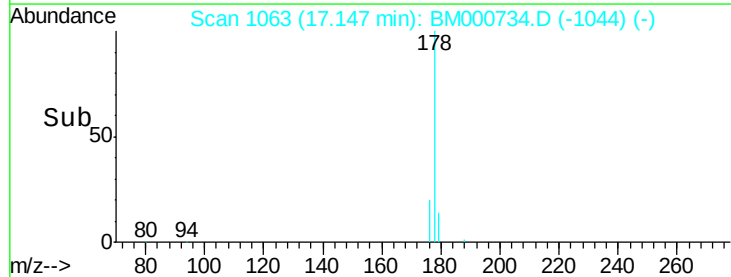
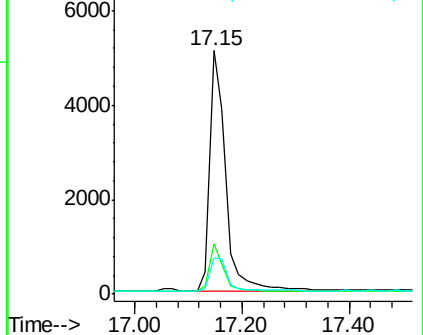
179 14.8 12.0 18.0

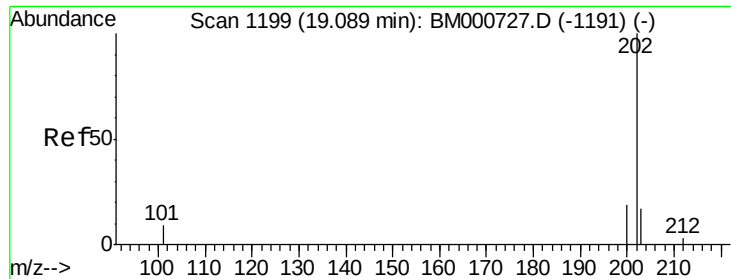


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :

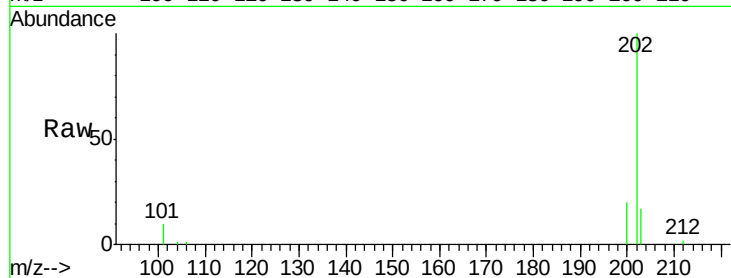
Tgt Ion:202 Resp: 10991

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.8

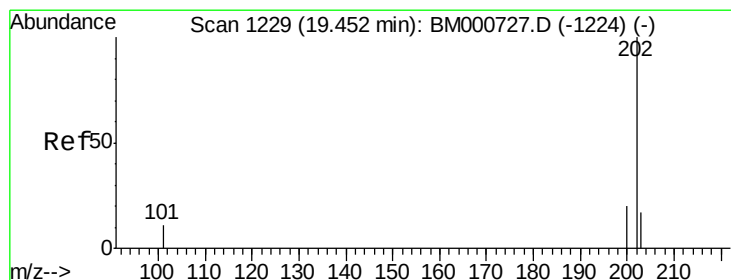
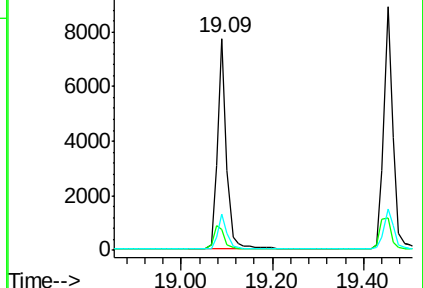
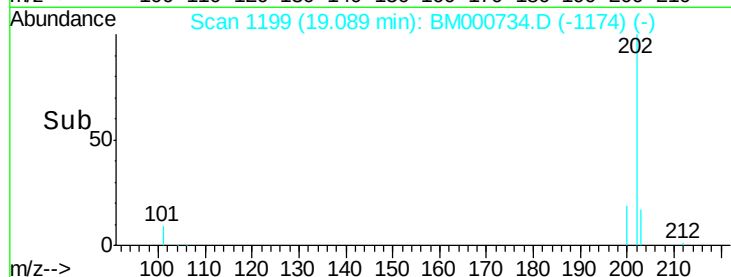
203 17.3 0.0 37.7



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: 19.45 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

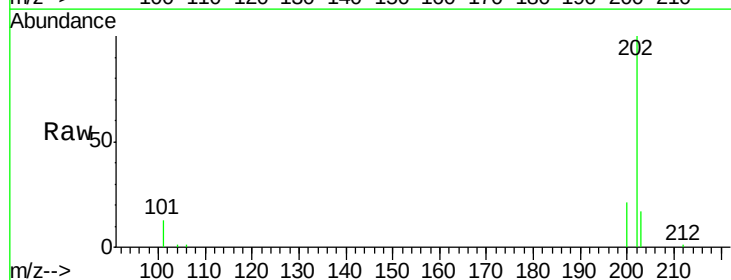
Tgt Ion:202 Resp: 12558

Ion Ratio Lower Upper

202 100

200 20.9 16.3 24.5

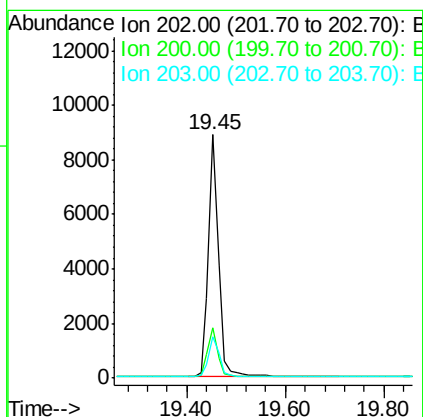
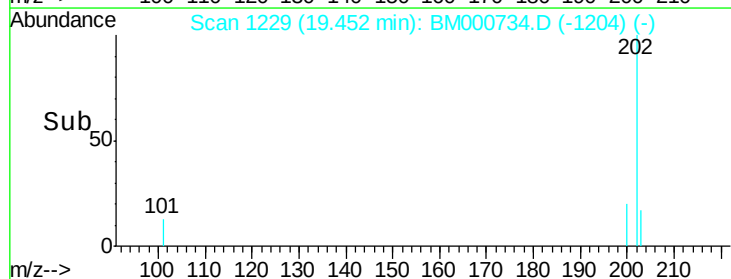
203 17.2 13.9 20.9

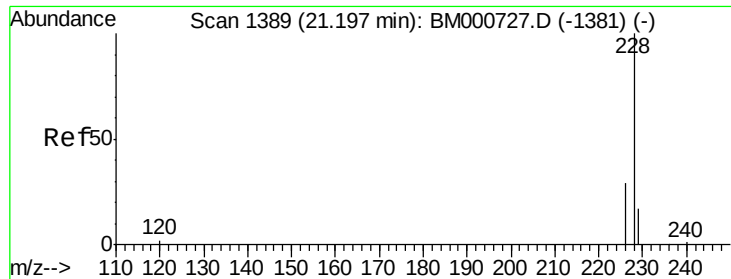


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.06 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :

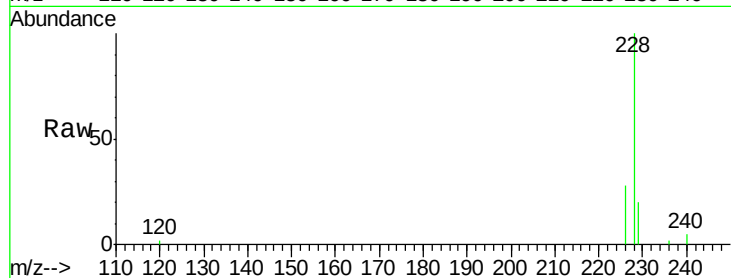
Tgt Ion:228 Resp: 8268

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

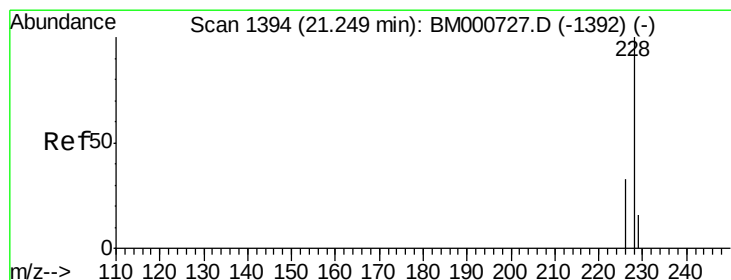
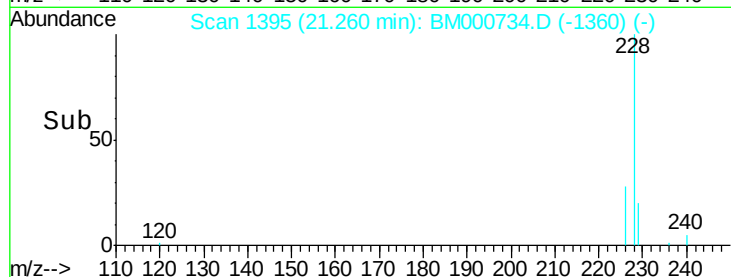
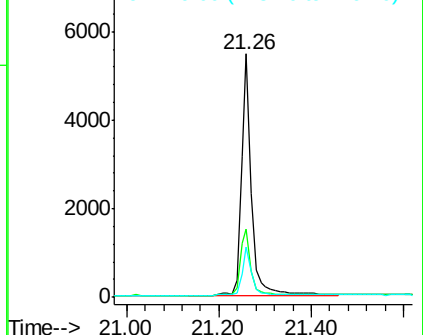
229 20.5 14.2 21.2



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: 0.33 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

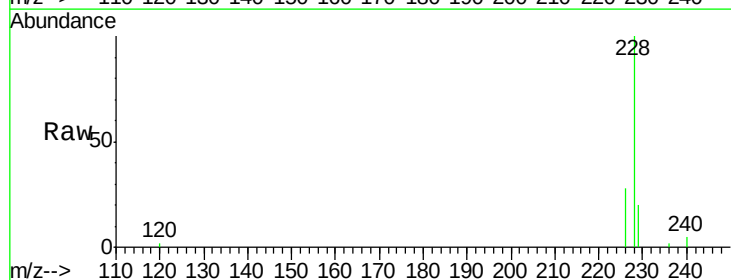
Tgt Ion:228 Resp: 8337

Ion Ratio Lower Upper

228 100

226 28.2 26.1 39.1

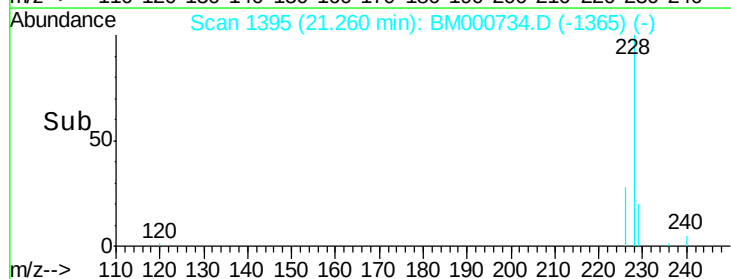
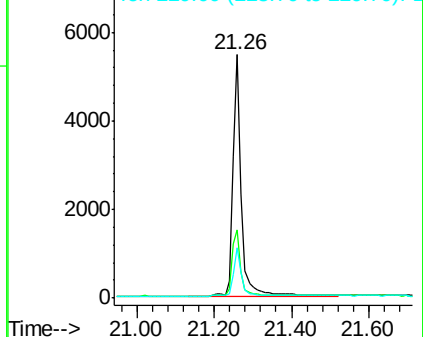
229 20.5 13.9 20.9

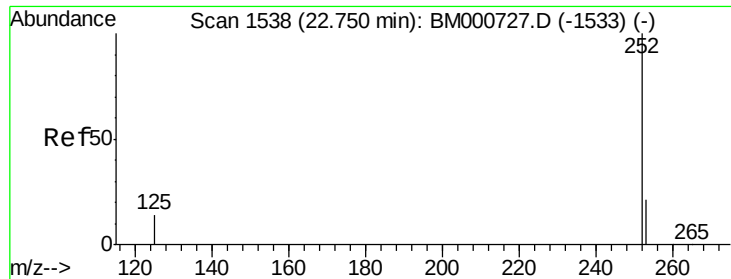


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.31 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :

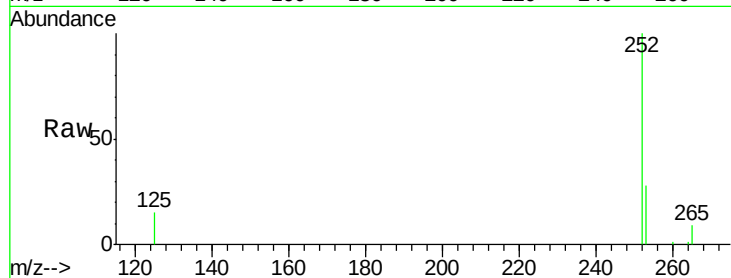
Tgt Ion:252 Resp: 7526

Ion Ratio Lower Upper

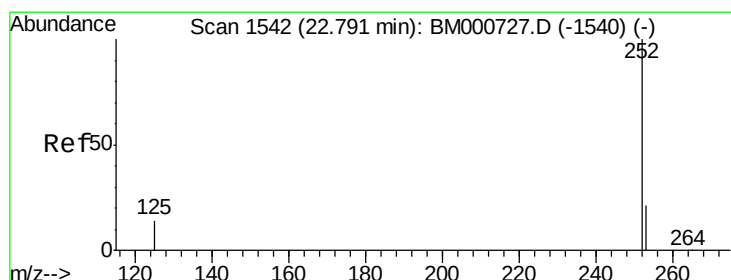
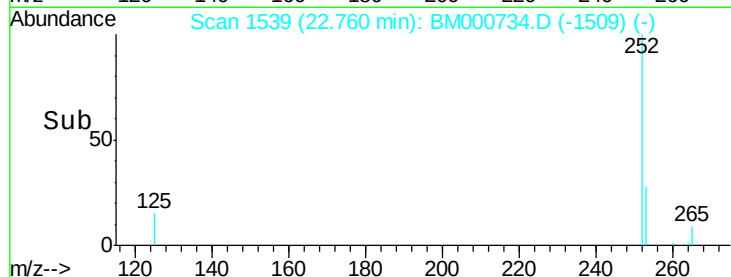
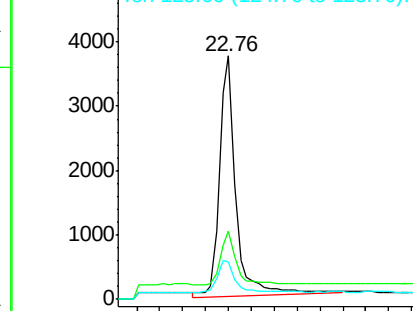
252 100

253 27.9 0.0 49.2

125 15.3 0.0 30.0



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: 0.30 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. -0.03 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

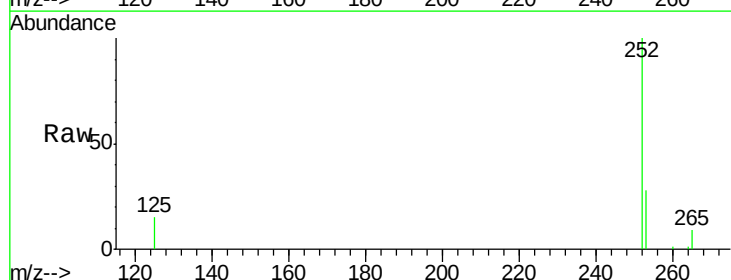
Tgt Ion:252 Resp: 7526

Ion Ratio Lower Upper

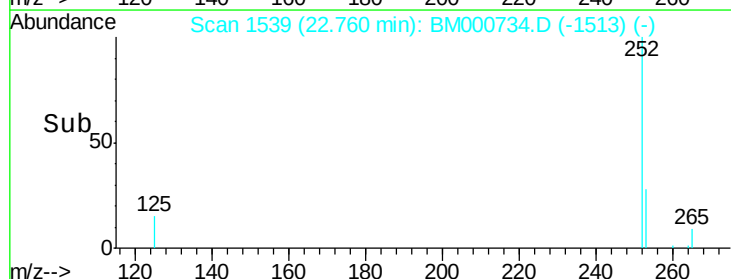
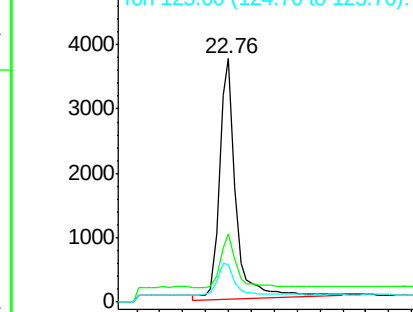
252 100

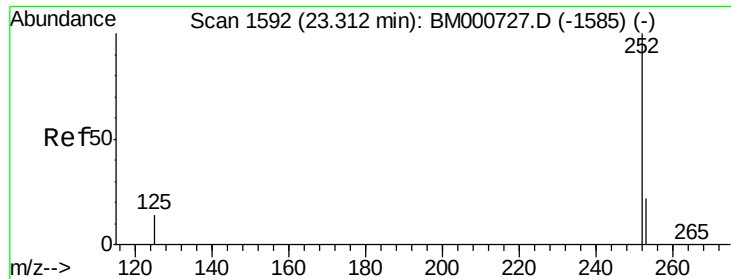
253 27.9 19.8 29.6

125 15.3 12.2 18.2



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





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

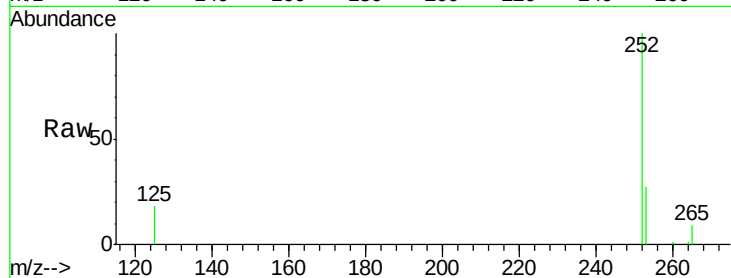
Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

Instrument :

BNA_M

ClientSampleId :



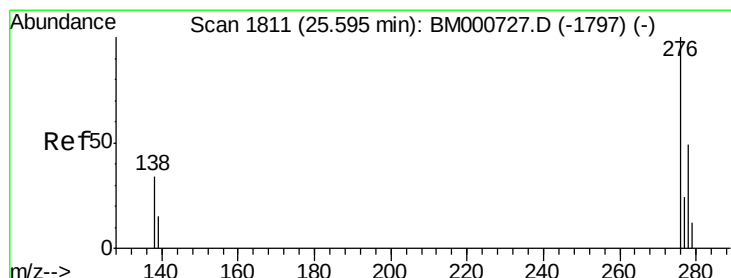
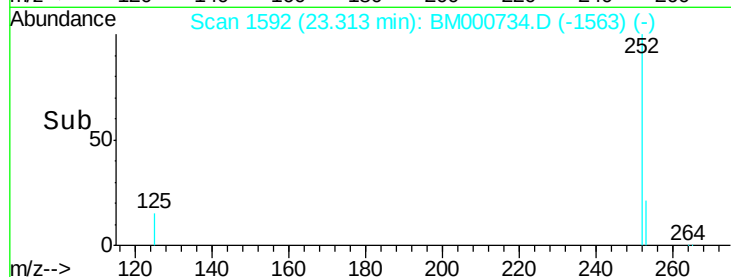
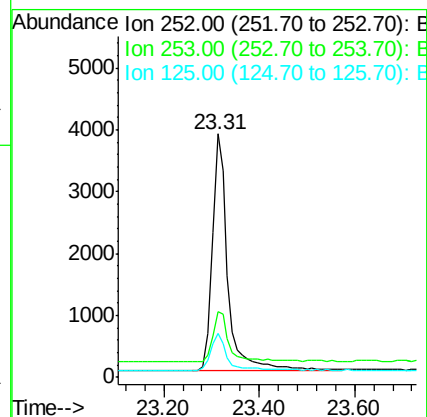
Tgt Ion:252 Resp: 8748

Ion Ratio Lower Upper

252 100

253 27.1 21.5 32.3

125 17.8 13.0 19.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng/ul

RT: 25.62 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BM000734.D

Acq: 19 Mar 2015 19:01

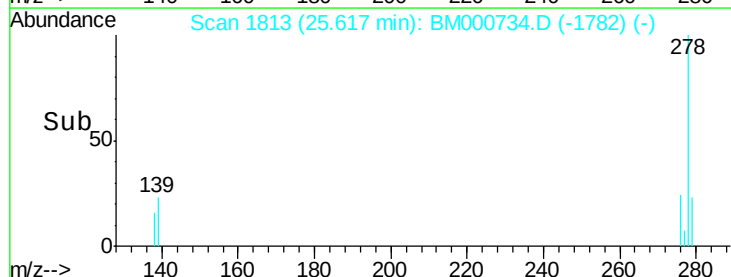
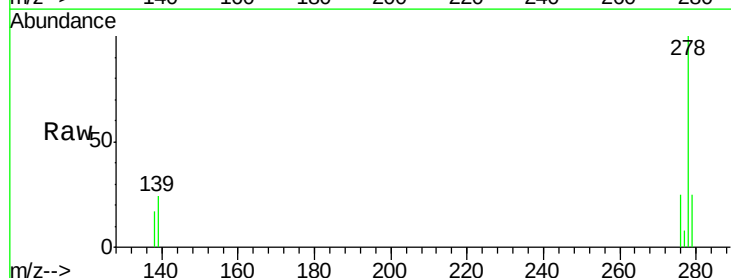
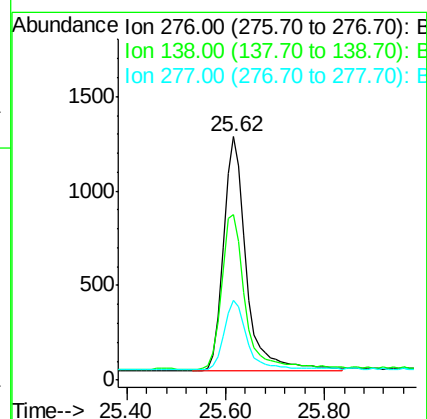
Tgt Ion:276 Resp: 4008

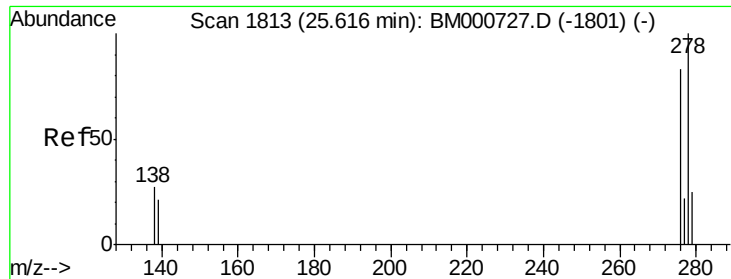
Ion Ratio Lower Upper

276 100

138 68.7 27.8 41.8#

277 30.3 19.9 29.9#



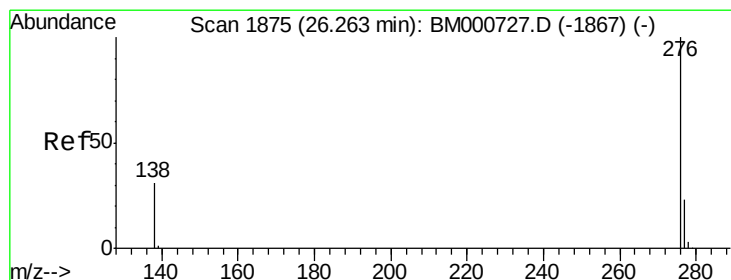
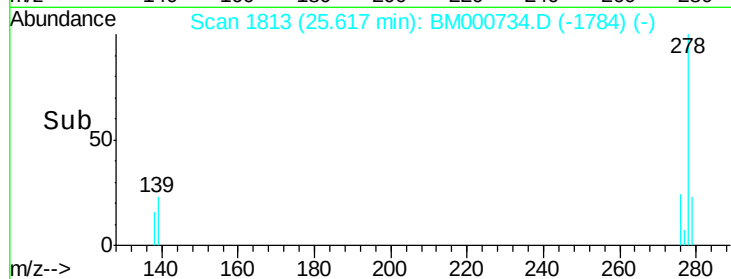
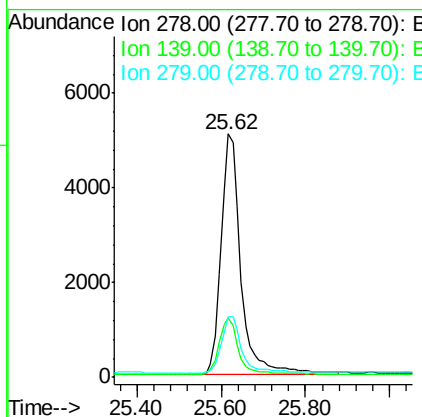
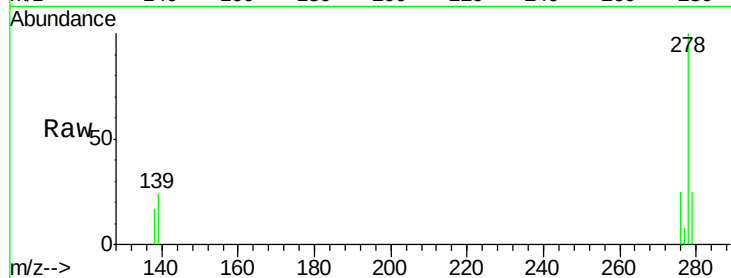


#25
Dibenzo(a,h)anthracene
Concen: 0.81 ng/ul
RT: 25.62 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM000734.D
Acq: 19 Mar 2015 19:01

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 16958

Ion	Ratio	Lower	Upper
278	100		
139	24.4	18.1	27.1
279	24.8	22.3	33.5



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.28 min Scan# 1877
Delta R.T. 0.02 min
Lab File: BM000734.D
Acq: 19 Mar 2015 19:01

Tgt Ion: 276 Resp: 98

Ion	Ratio	Lower	Upper
276	100		
277	79.5	19.6	29.4#
138	85.9	25.6	38.4#

