

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000511.D
 Acq On : 12 Feb 2015 20:13
 Operator : TP/IZ
 Sample : G1249-03MS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FL2MS

Quant Time: Feb 13 00:08:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 12 16:45:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	3670	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	12387	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	7965	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1327419	0.40	ng/ul	0.11
16) Chrysene-d12	21.28	240	13309	0.40	ng/ul	-0.01
20) Perylene-d12	23.38	264	1017401	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	7316	0.46	ng/ul	0.00
14) Fluoranthene-d10	19.49	212	1269458	0.45	ng/ul	0.36

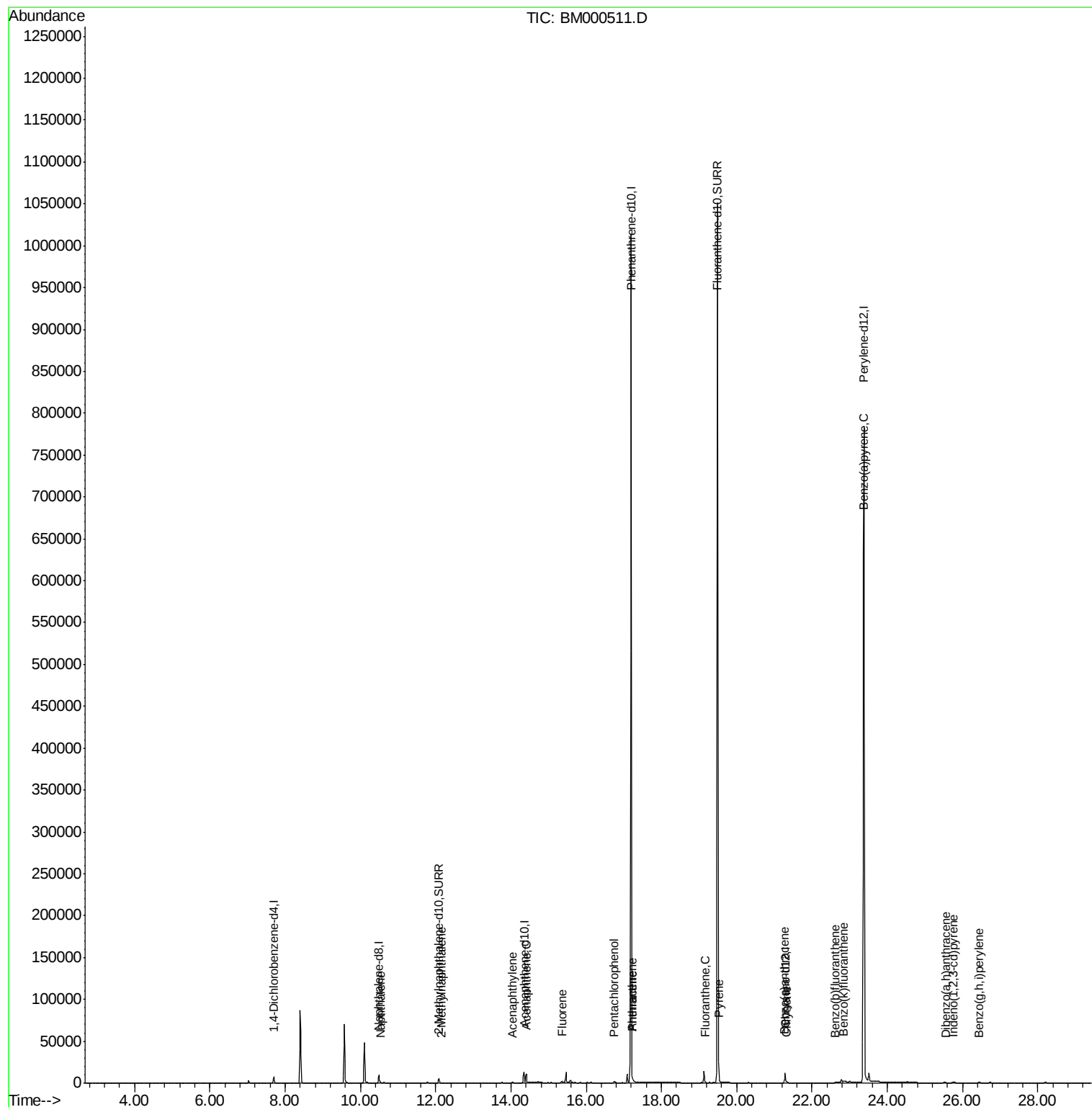
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	647	0.02	ng/ul#	38
5) 2-Methylnaphthalene	12.16	142	91	0.00	ng/ul	86
7) Acenaphthylene	14.04	152	185	0.01	ng/ul#	1
8) Acenaphthene	14.41	153	8198	0.36	ng/ul	98
9) Fluorene	15.35	166	2565	0.09	ng/ul#	12
11) Pentachlorophenol	16.75	266	1464	0.01	ng/ul	97
12) Phenanthrene	17.23	178	1372	0.00	ng/ul#	72
13) Anthracene	17.23	178	1380	0.00	ng/ul#	71
15) Fluoranthene	19.15	202	963	0.00	ng/ul	77
17) Pyrene	19.53	202	23506	0.49	ng/ul	98
18) Benzo(a)anthracene	21.27	228	1673	0.04	ng/ul#	93
19) Chrysene	21.32	228	1769	0.04	ng/ul#	91
21) Benzo(b)fluoranthene	22.62	252	381	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	1622	0.00	ng/ul#	48
23) Benzo(a)pyrene	23.37	252	5977	0.00	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.75	276	1502	0.00	ng/ul	98
25) Dibenzo(a,h)anthracene	25.54	278	49	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	26.44	276	1302	0.00	ng/ul#	78

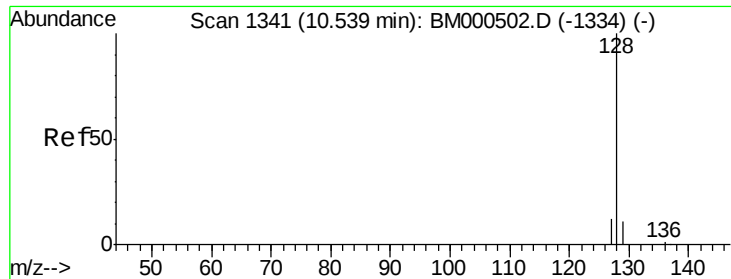
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

Naphthalene

Concen: 0.02 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

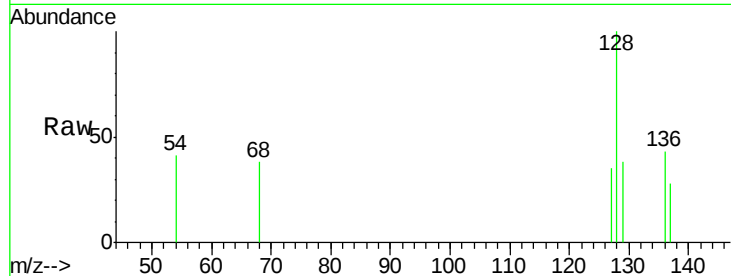
Tgt Ion:128 Resp: 647

Ion Ratio Lower Upper

128 100

129 38.3 9.5 14.3#

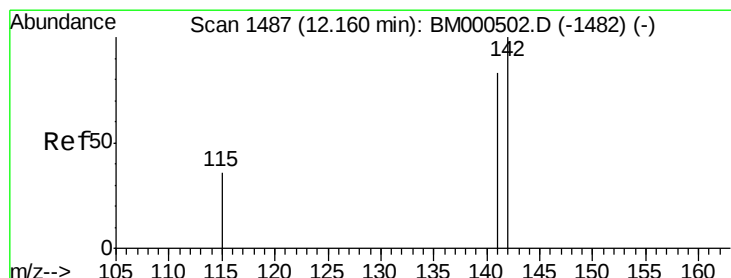
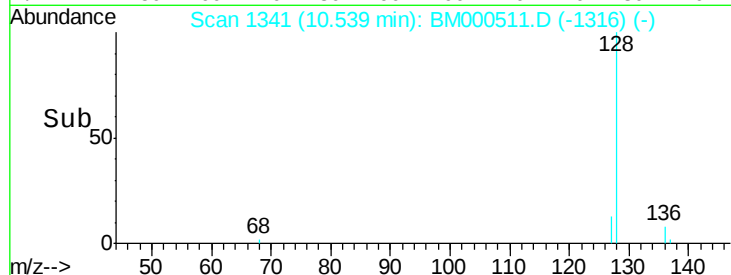
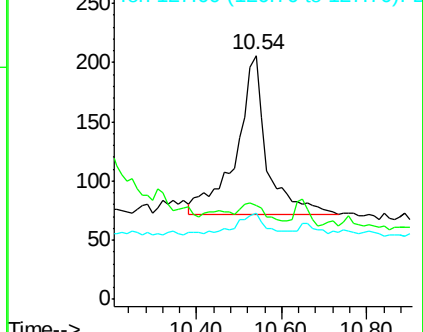
127 35.4 10.4 15.6#



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: 0.00 ng/ul

RT: 12.16 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BM000511.D

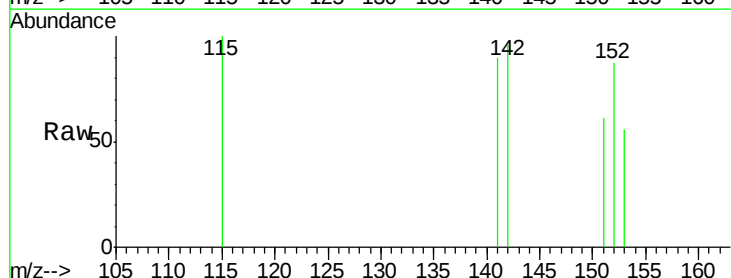
Acq: 12 Feb 2015 20:13

Tgt Ion:142 Resp: 91

Ion Ratio Lower Upper

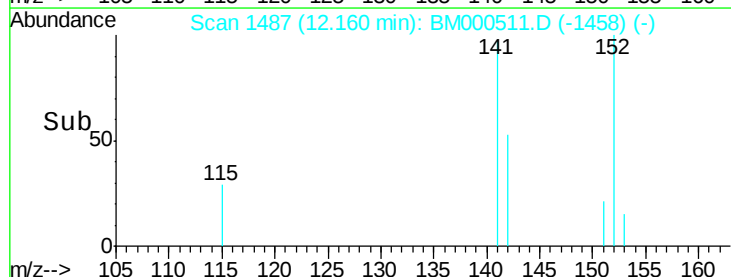
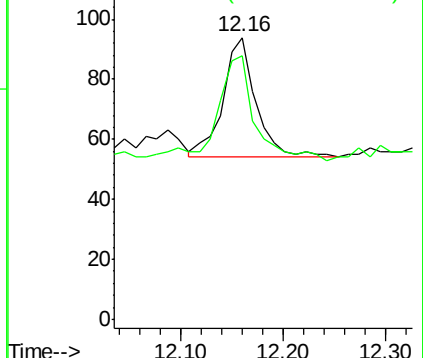
142 100

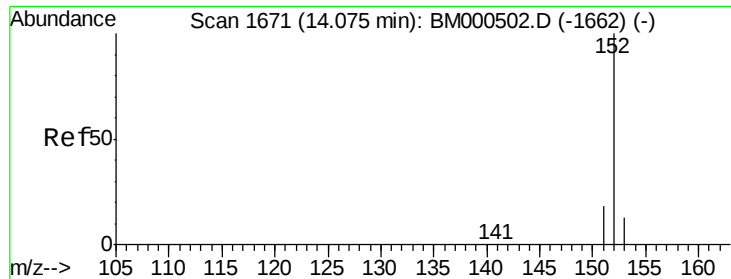
141 100.0 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.04 min Scan# 1668

Delta R.T. -0.03 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

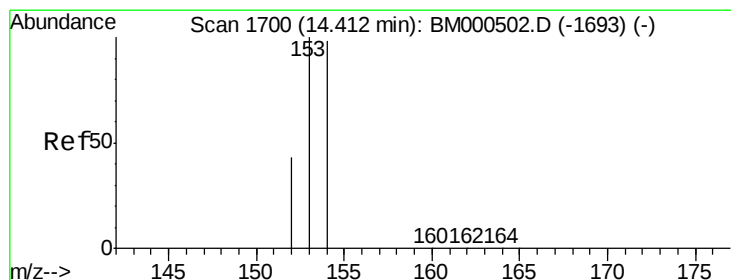
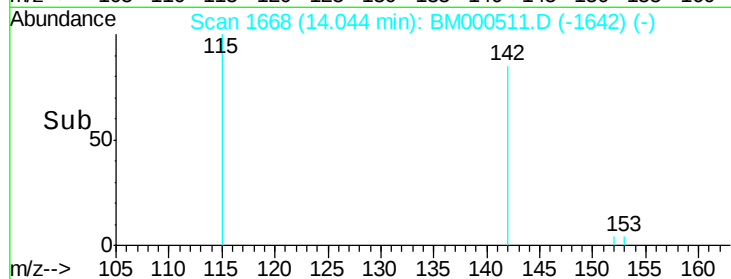
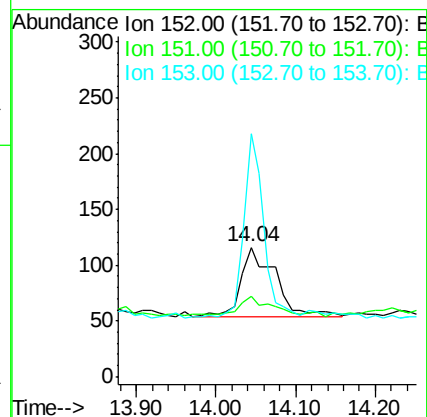
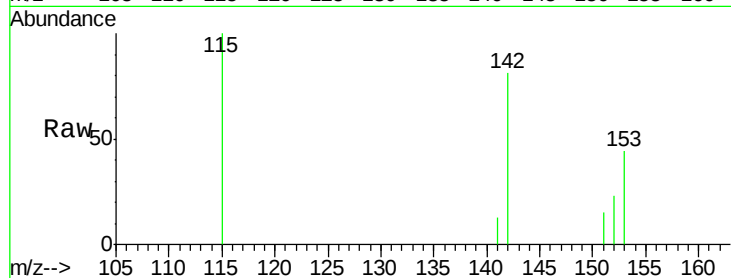
Tgt Ion:152 Resp: 185

Ion Ratio Lower Upper

152 100

151 62.1 15.0 22.6#

153 187.9 11.1 16.7#



#8

Acenaphthene

Concen: 0.36 ng/ul

RT: 14.41 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

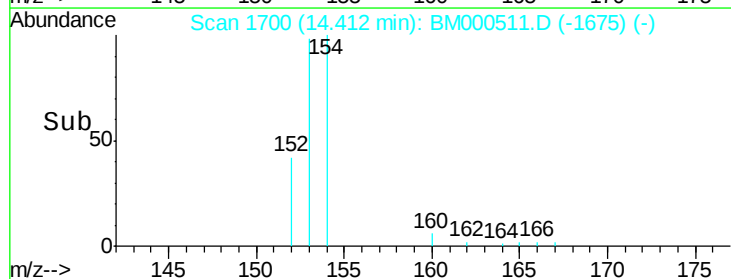
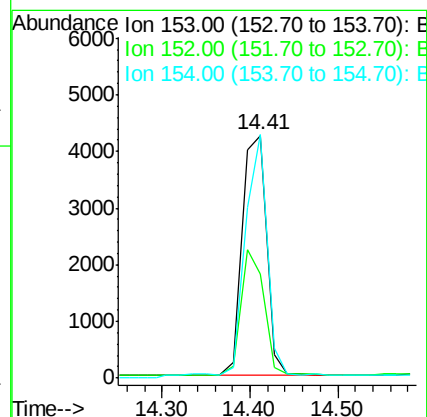
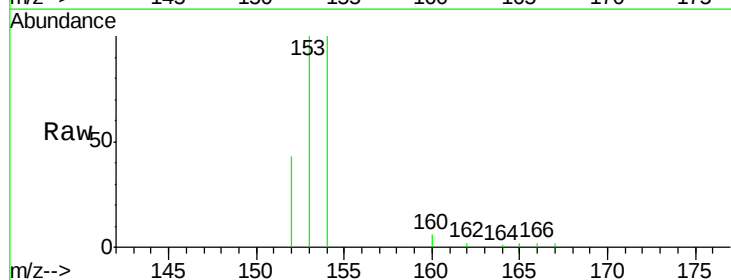
Tgt Ion:153 Resp: 8198

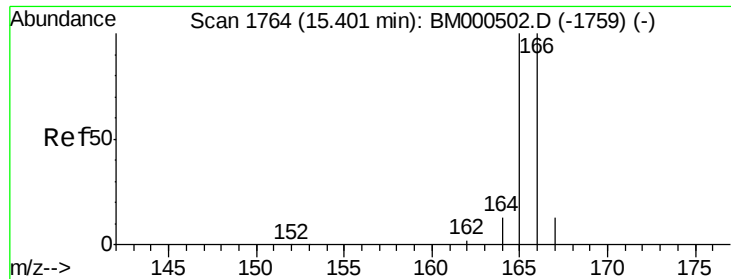
Ion Ratio Lower Upper

153 100

152 43.0 35.1 52.7

154 100.4 78.5 117.7





#9

Fluorene

Concen: 0.09 ng/ul

RT: 15.35 min Scan# 1761

Delta R.T. -0.05 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

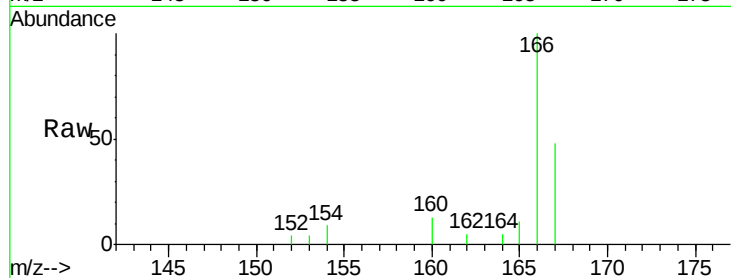
Tgt Ion:166 Resp: 2565

Ion Ratio Lower Upper

166 100

165 11.1 80.0 120.0#

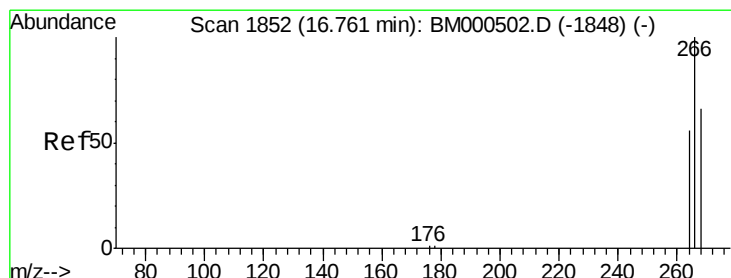
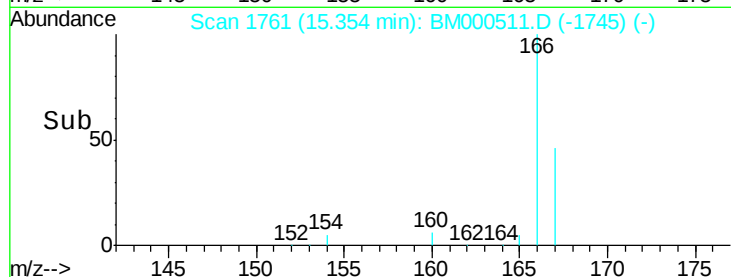
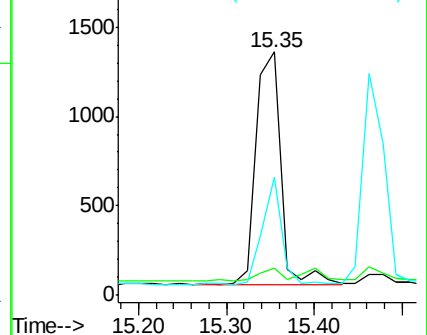
167 48.5 11.4 17.2#



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: 0.01 ng/ul

RT: 16.75 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

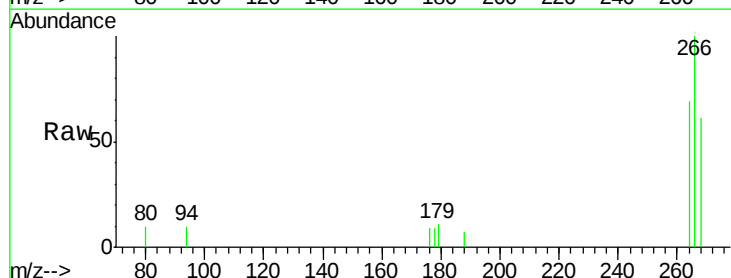
Tgt Ion:266 Resp: 1464

Ion Ratio Lower Upper

266 100

264 61.3 51.4 77.2

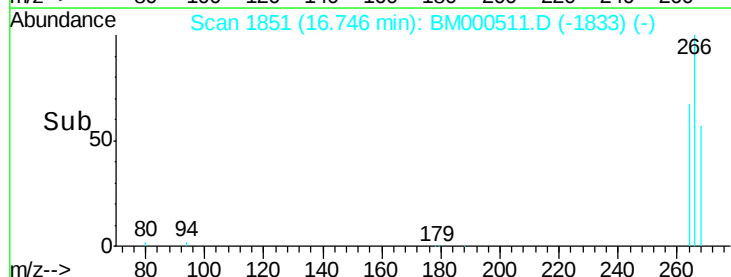
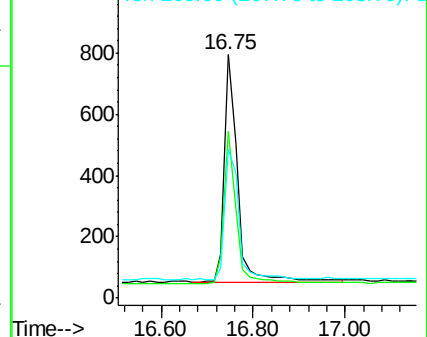
268 62.1 48.7 73.1

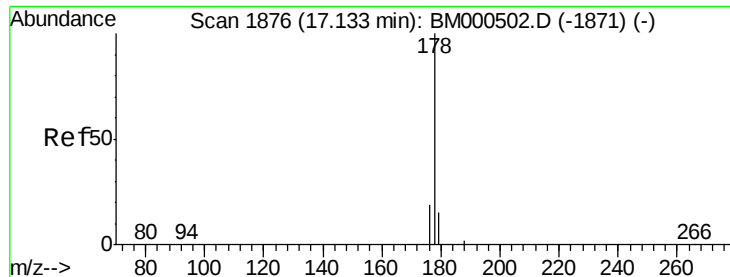


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. 0.09 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

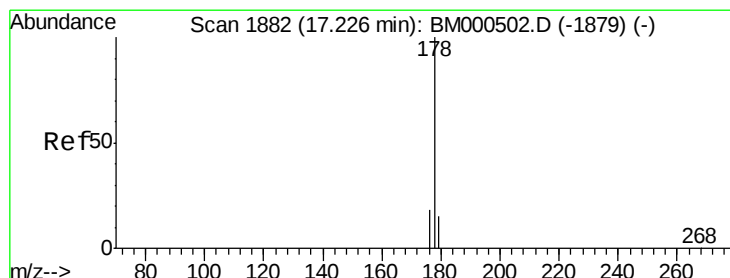
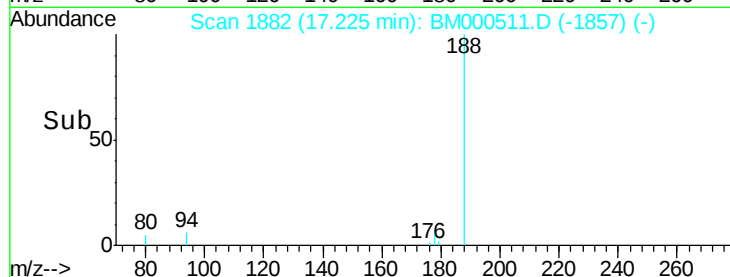
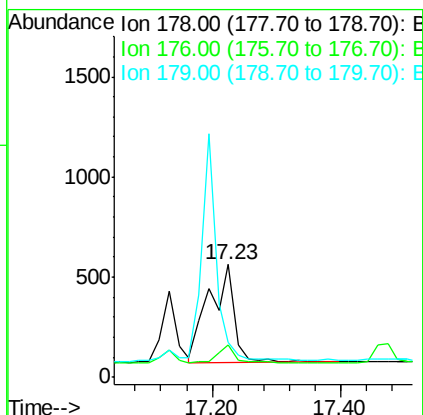
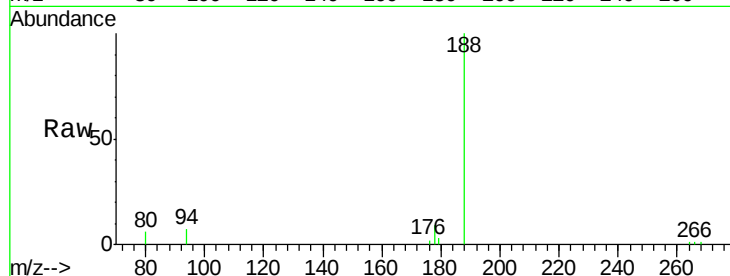
Tgt Ion:178 Resp: 1372

Ion Ratio Lower Upper

178 100

176 28.5 15.5 23.3#

179 31.7 12.5 18.7#



#13

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

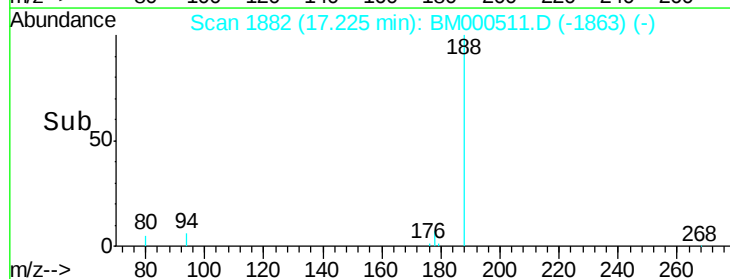
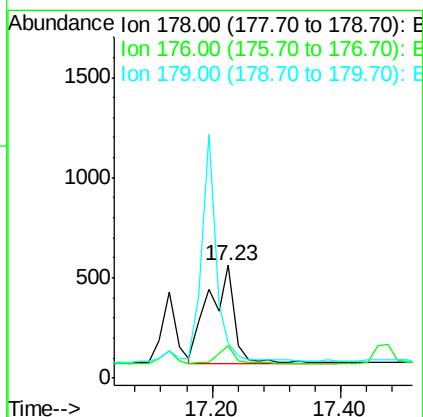
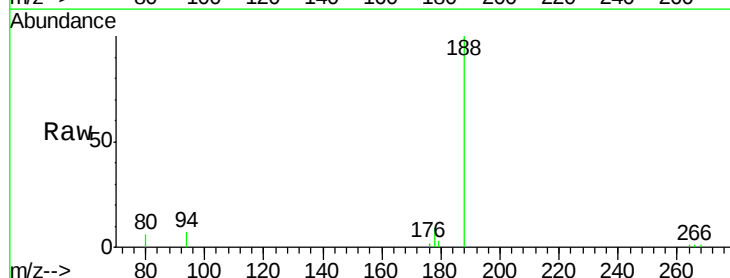
Tgt Ion:178 Resp: 1380

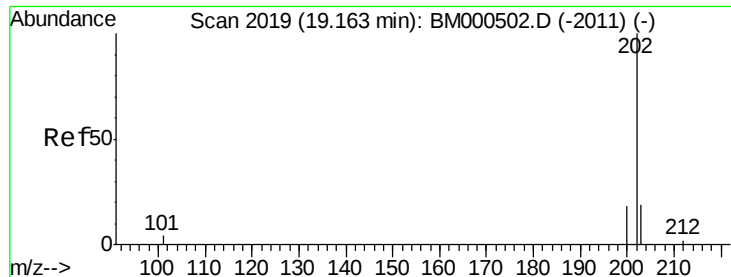
Ion Ratio Lower Upper

178 100

176 28.5 14.9 22.3#

179 31.7 12.8 19.2#

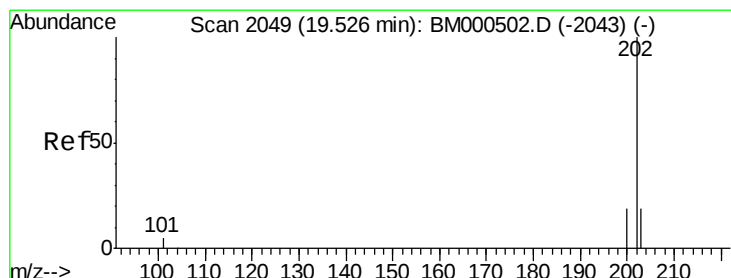
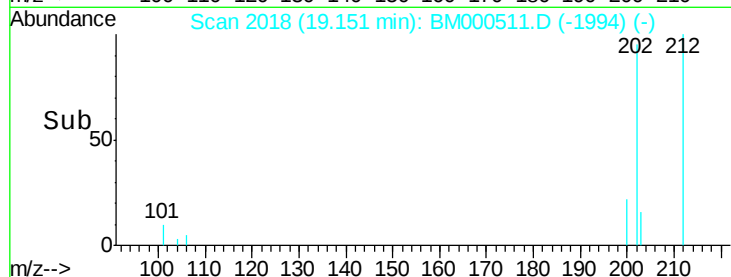
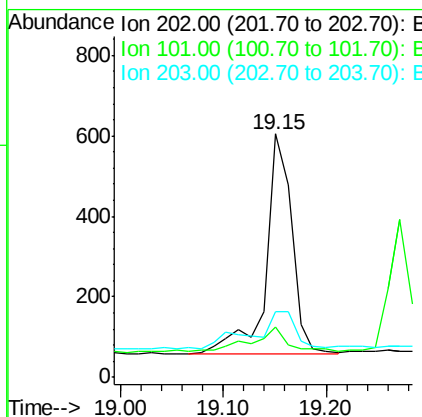
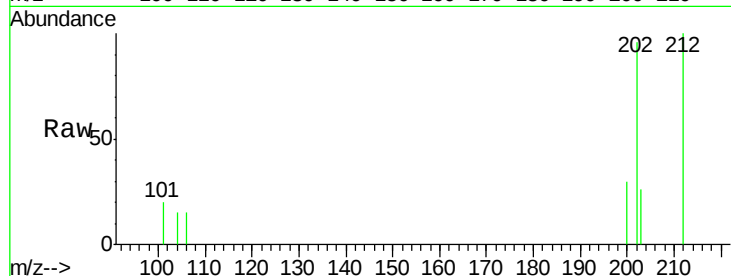




#15
Fluoranthene
Concen: 0.00 ng/u1
RT: 19.15 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BM000511.D
Acq: 12 Feb 2015 20:13

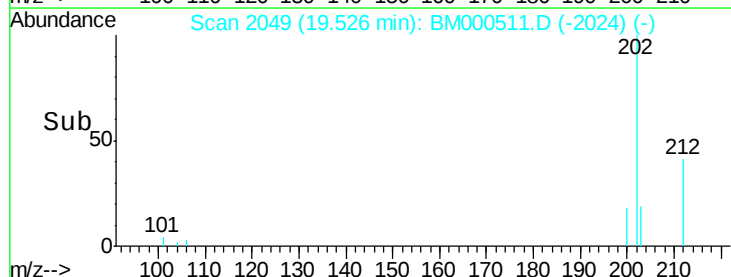
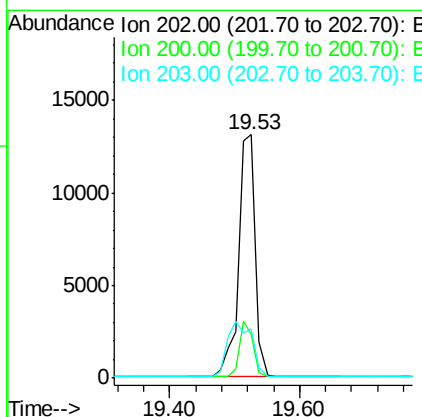
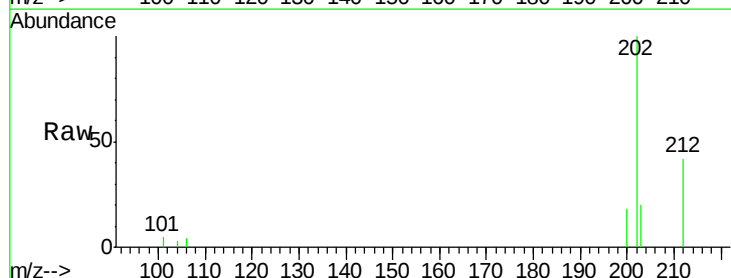
Instrument :
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ClientSampleId :
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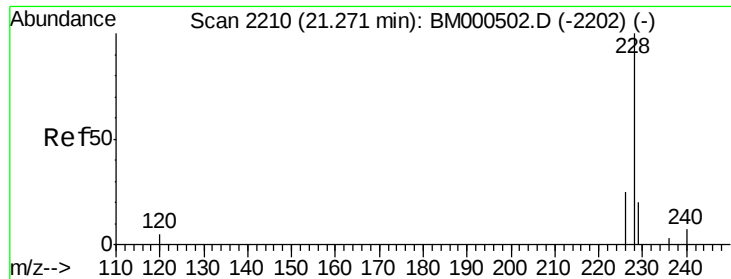
Tgt Ion:202 Resp: 963
Ion Ratio Lower Upper
202 100
101 20.5 0.0 24.8
203 27.1 0.0 39.2



#17
Pyrene
Concen: 0.49 ng/u1
RT: 19.53 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BM000511.D
Acq: 12 Feb 2015 20:13

Tgt Ion:202 Resp: 23506
Ion Ratio Lower Upper
202 100
200 18.1 15.4 23.0
203 20.0 15.4 23.2





#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

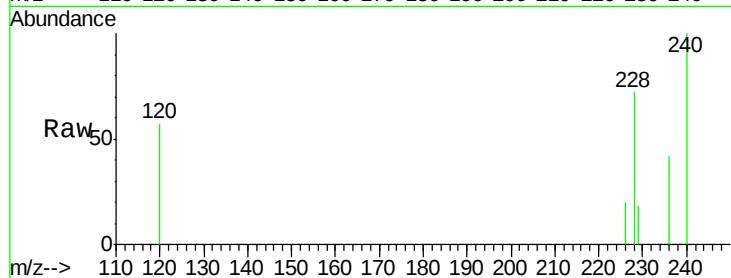
Tgt Ion:228 Resp: 1673

Ion Ratio Lower Upper

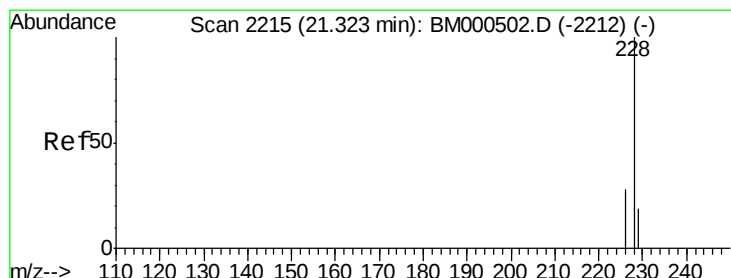
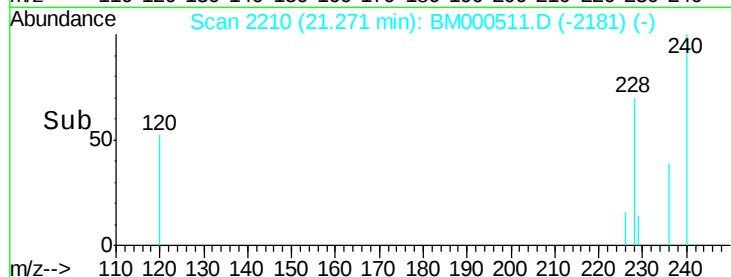
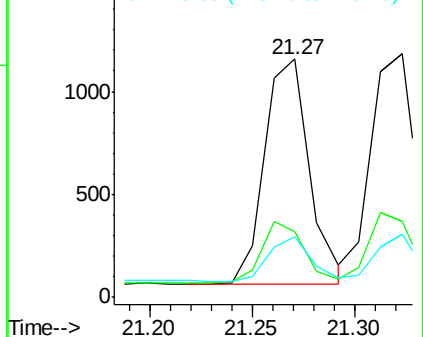
228 100

226 27.8 20.6 31.0

229 25.5 16.3 24.5#



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



#19

Chrysene

Concen: 0.04 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

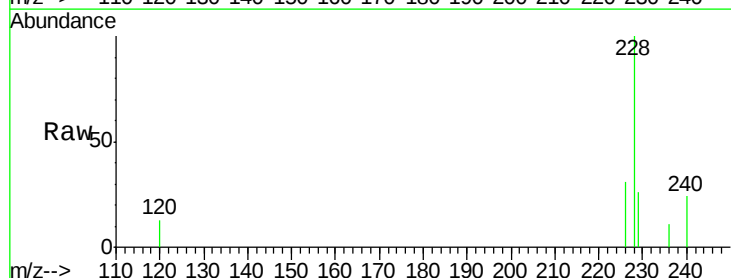
Tgt Ion:228 Resp: 1769

Ion Ratio Lower Upper

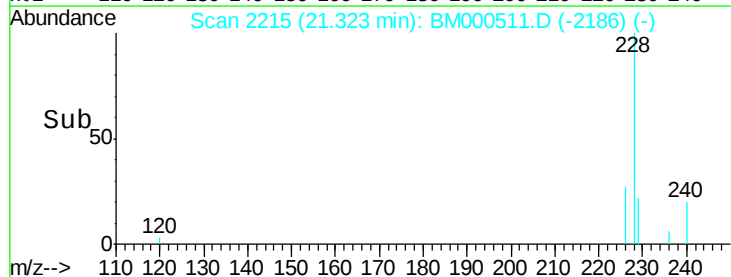
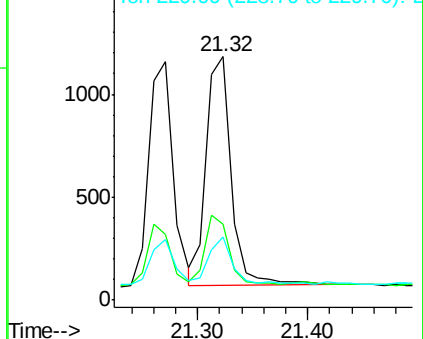
228 100

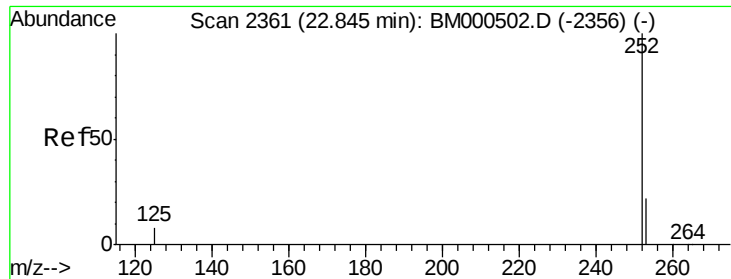
226 31.2 22.7 34.1

229 26.2 16.0 24.0#



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: 0.00 ng/u1

RT: 22.62 min Scan# 2339

Delta R.T. -0.23 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

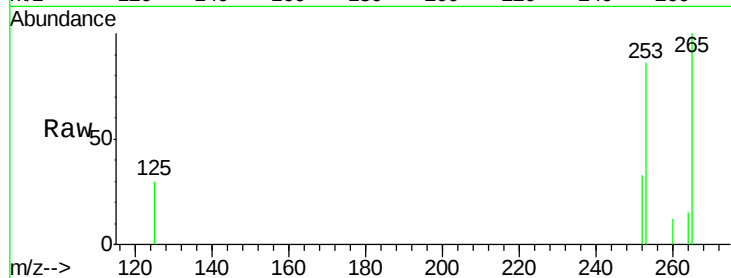
Tgt Ion:252 Resp: 381

Ion Ratio Lower Upper

252 100

253 264.2 0.0 52.6#

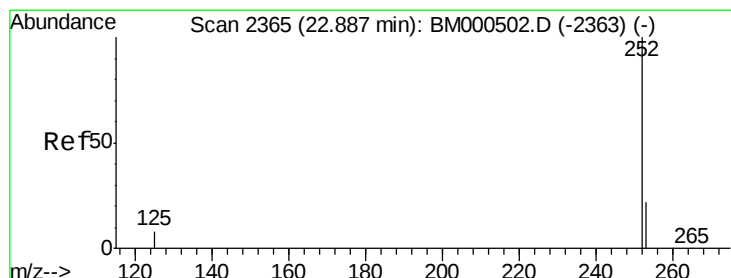
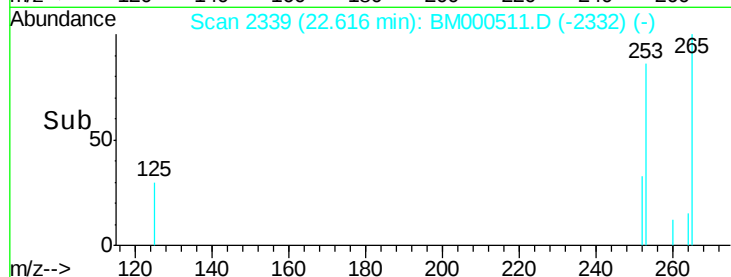
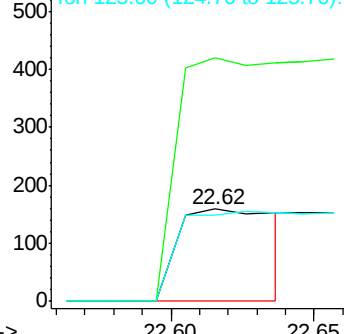
125 93.7 0.0 17.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.83 min Scan# 2360

Delta R.T. -0.05 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

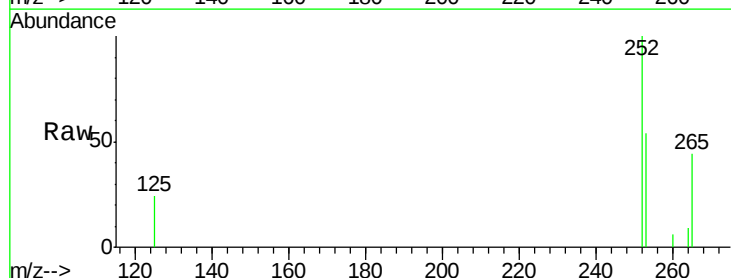
Tgt Ion:252 Resp: 1622

Ion Ratio Lower Upper

252 100

253 53.6 20.2 30.4#

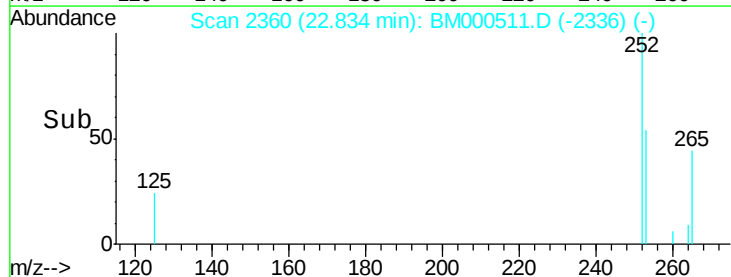
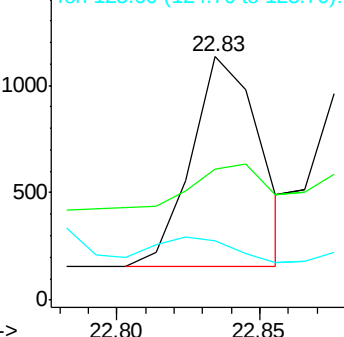
125 24.3 7.4 11.0#

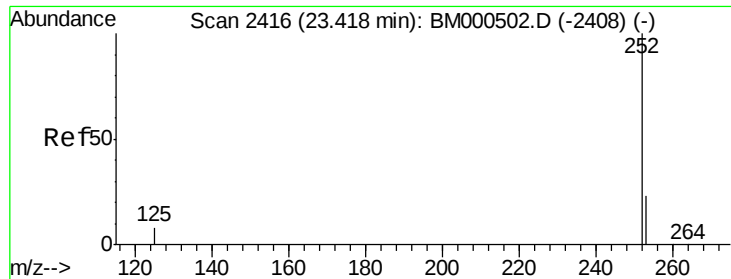


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.37 min Scan# 2411

Delta R.T. -0.05 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

Instrument :

BNA_M

ClientSampleId :

A4FL2MS

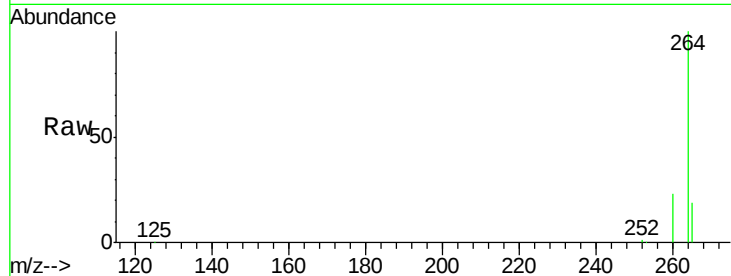
Tgt Ion:252 Resp: 5977

Ion Ratio Lower Upper

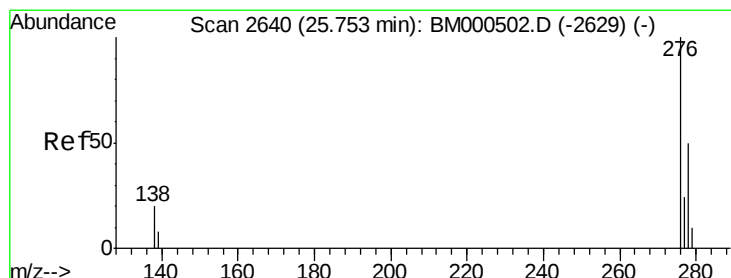
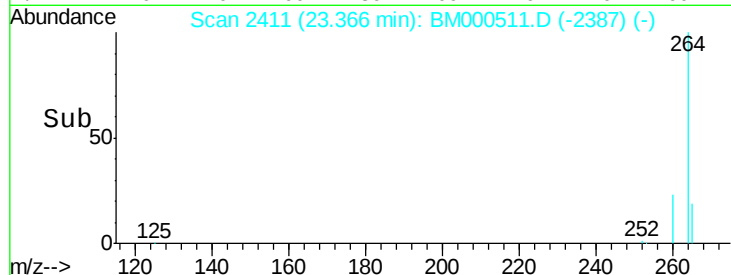
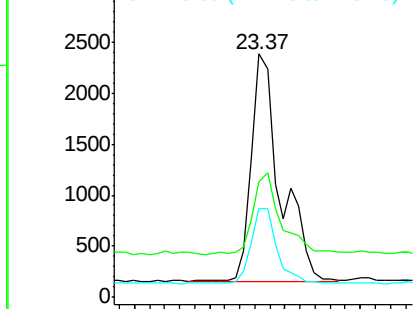
252 100

253 47.5 23.1 34.7#

125 36.7 8.0 12.0#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.75 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BM000511.D

Acq: 12 Feb 2015 20:13

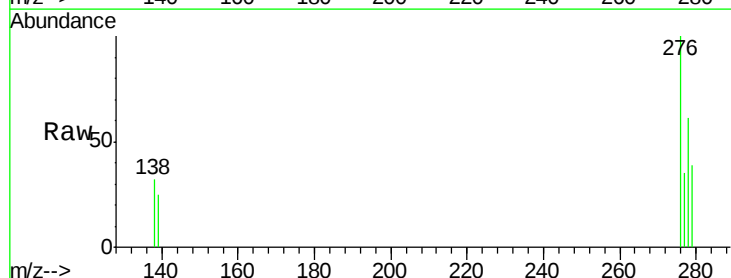
Tgt Ion:276 Resp: 1502

Ion Ratio Lower Upper

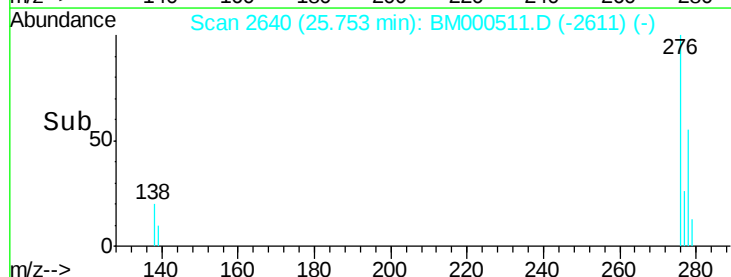
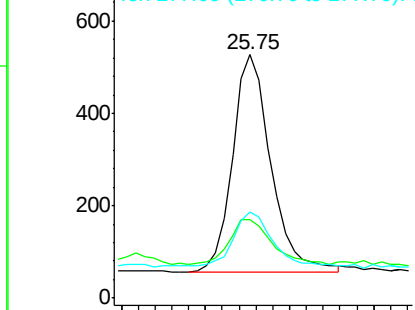
276 100

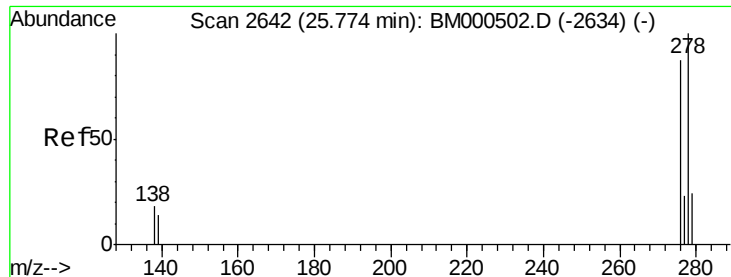
138 22.8 17.3 25.9

277 23.8 19.8 29.8



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

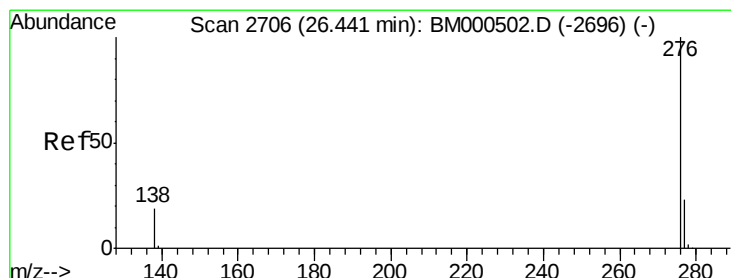
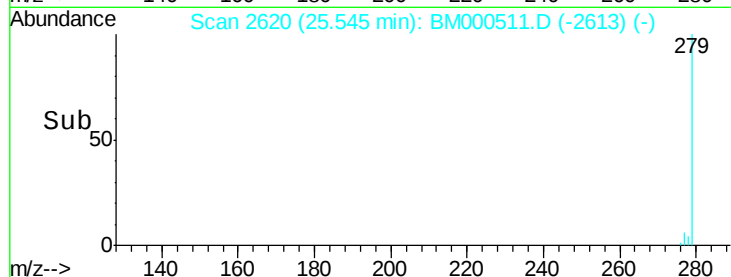
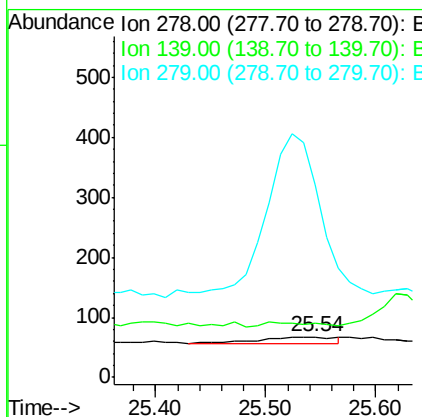
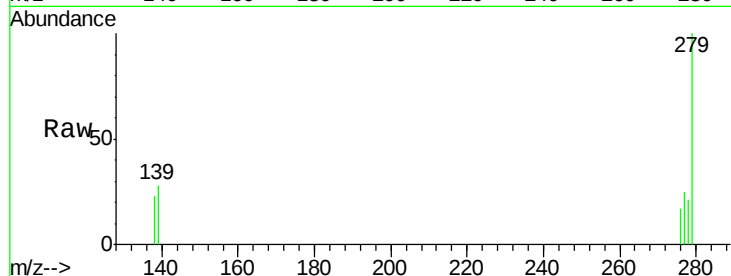




#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.54 min Scan# 2620
Delta R.T. -0.23 min
Lab File: BM000511.D
Acq: 12 Feb 2015 20:13

Instrument :
BNA_M
ClientSampleId :
A4FL2MS

Tgt Ion: 278 Resp: 49
Ion Ratio Lower Upper
278 100
139 132.4 12.5 18.7#
279 472.1 22.2 33.2#



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.44 min Scan# 2706
Delta R.T. -0.00 min
Lab File: BM000511.D
Acq: 12 Feb 2015 20:13

Tgt Ion: 276 Resp: 1302
Ion Ratio Lower Upper
276 100
277 33.0 19.2 28.8#
138 31.7 16.0 24.0#

