

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000510.D
 Acq On : 12 Feb 2015 19:38
 Operator : TP/IZ
 Sample : G1249-25
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN8

Quant Time: Feb 13 00:07:53 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	4300	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	14424	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	8529	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1241486	0.40	ng/ul	0.11
16) Chrysene-d12	21.29	240	13456	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	929477	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	7226	0.39	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

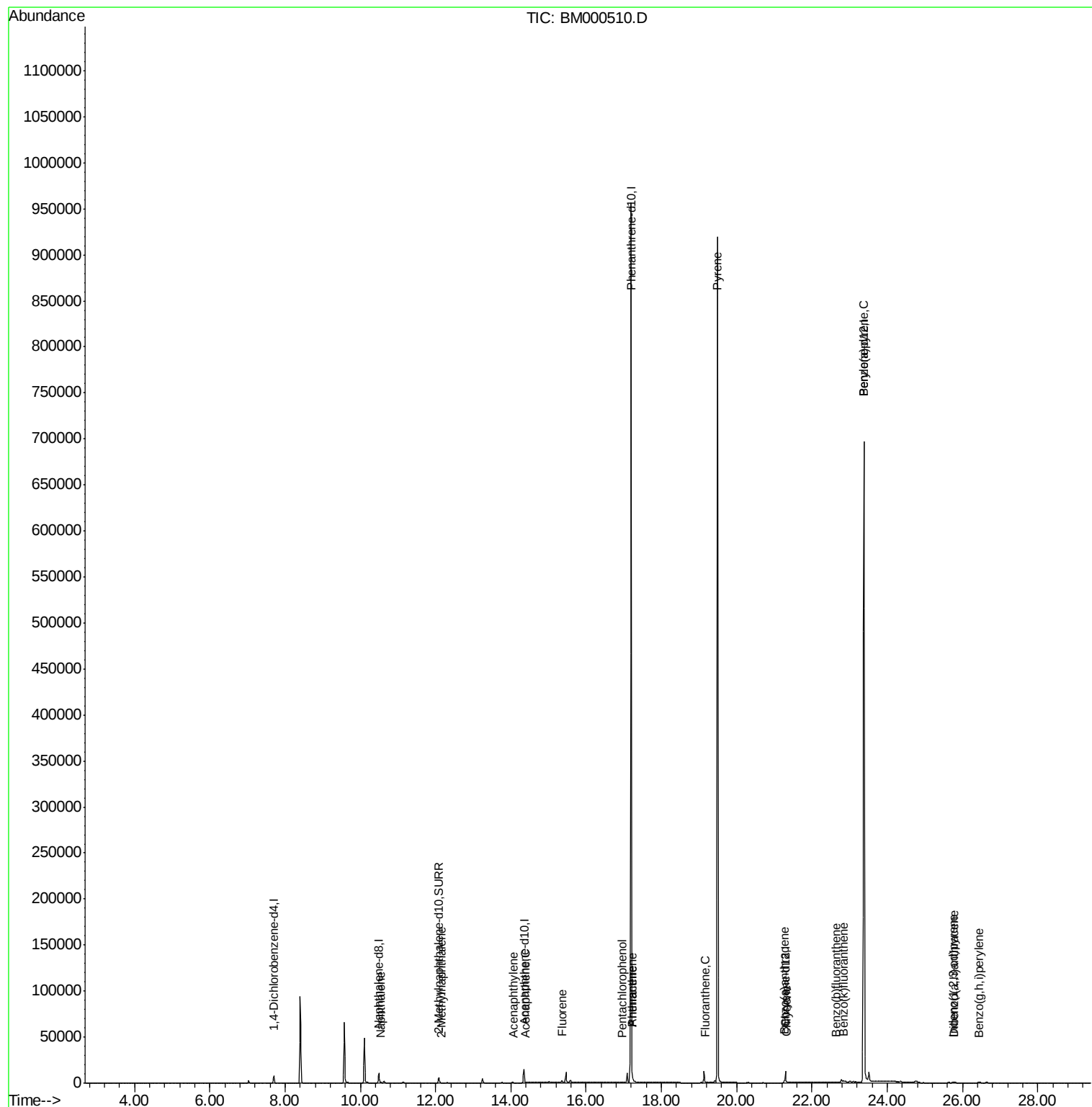
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	345	0.01	ng/ul#	37
5) 2-Methylnaphthalene	12.16	142	65	0.00	ng/ul	99
7) Acenaphthylene	14.07	152	248	0.01	ng/ul#	11
8) Acenaphthene	14.40	153	46	0.00	ng/ul#	74
9) Fluorene	15.35	166	2332	0.08	ng/ul#	12
11) Pentachlorophenol	16.96	266	11	0.00	ng/ul#	19
12) Phenanthrene	17.23	178	6904	0.00	ng/ul	97
13) Anthracene	17.23	178	6916	0.00	ng/ul	98
15) Fluoranthene	19.16	202	958	0.00	ng/ul	70
17) Pyrene	19.49	202	2965	0.06	ng/ul#	1
18) Benzo(a)anthracene	21.27	228	1562	0.04	ng/ul#	88
19) Chrysene	21.32	228	1625	0.04	ng/ul#	88
21) Benzo(b)fluoranthene	22.65	252	845	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	1576	0.00	ng/ul#	18
23) Benzo(a)pyrene	23.38	252	5522	0.00	ng/ul#	36
24) Indeno(1,2,3-cd)pyrene	25.75	276	1392	0.00	ng/ul	99
25) Dibenzo(a,h)anthracene	25.77	278	1078	0.00	ng/ul#	42
26) Benzo(g,h,i)perylene	26.44	276	1163	0.00	ng/ul#	73

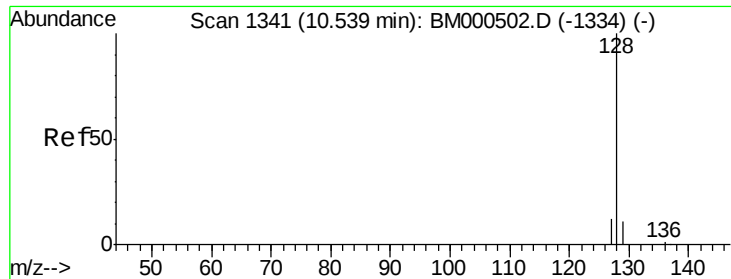
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 10.54 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

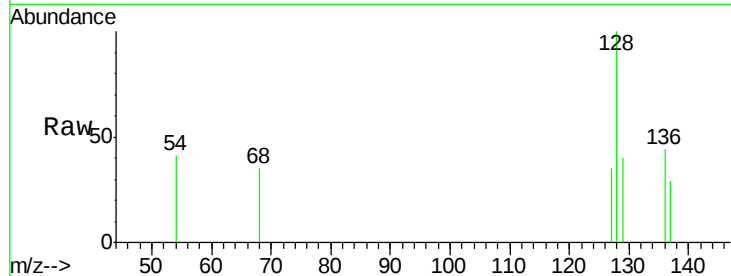
Tgt Ion:128 Resp: 345

Ion Ratio Lower Upper

128 100

129 39.9 9.5 14.3#

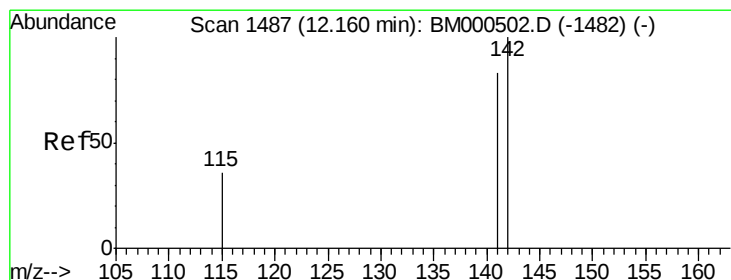
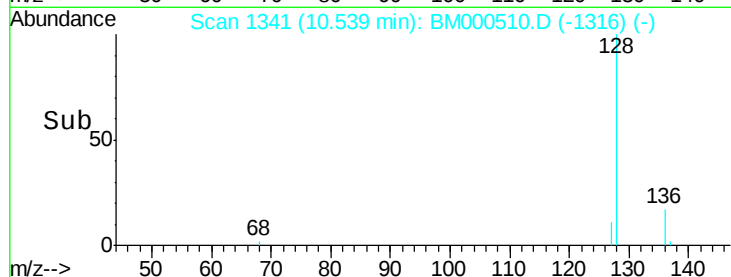
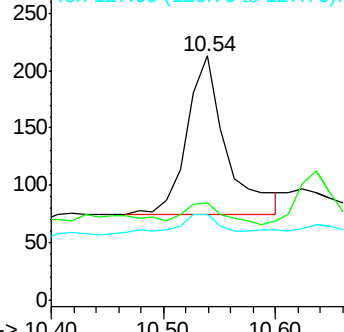
127 34.7 10.4 15.6#



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: BM000510.D

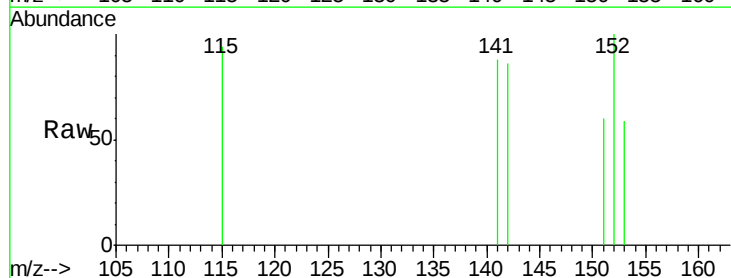
Acq: 12 Feb 2015 19:38

Tgt Ion:142 Resp: 65

Ion Ratio Lower Upper

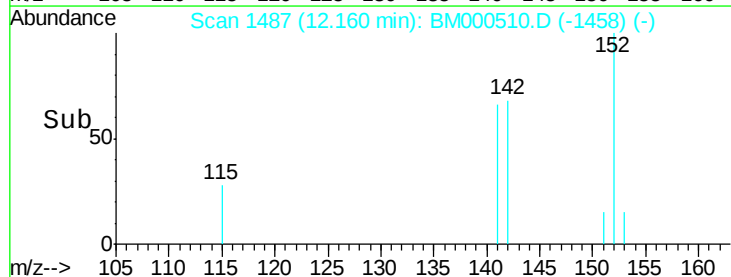
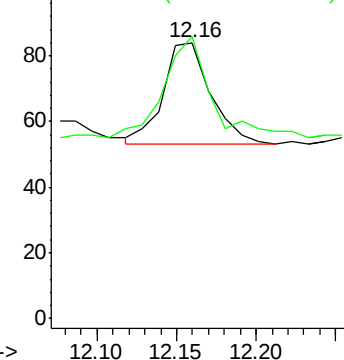
142 100

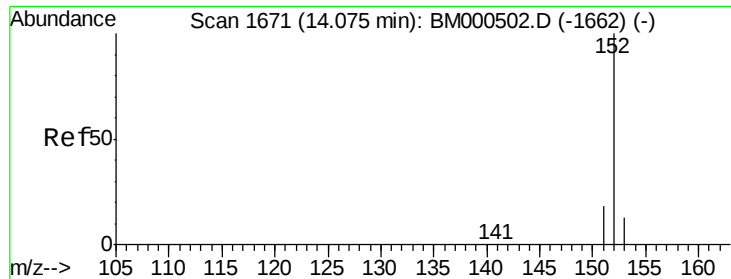
141 86.2 69.9 104.9



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: 14.07 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

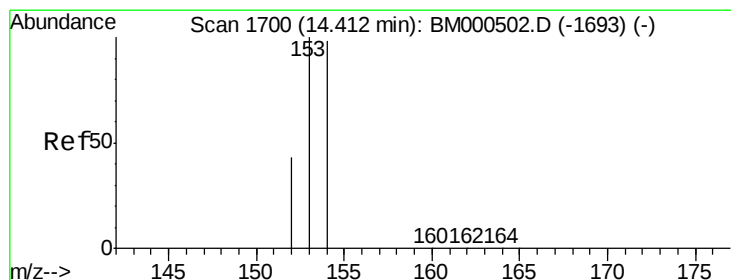
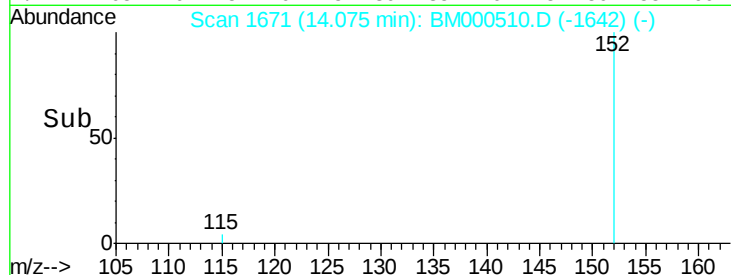
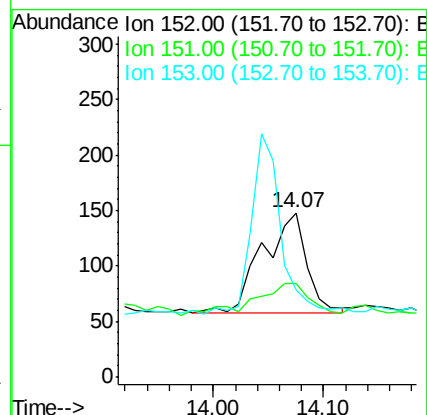
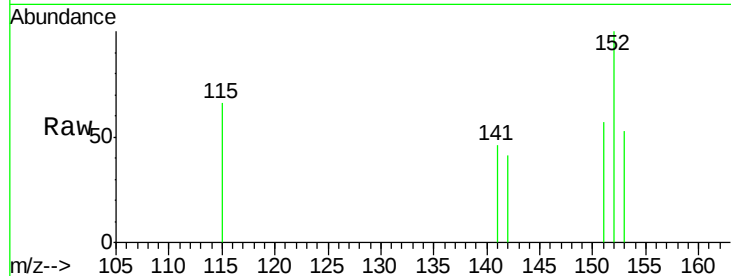
Tgt Ion:152 Resp: 248

Ion Ratio Lower Upper

152 100

151 56.8 15.0 22.6#

153 52.7 11.1 16.7#



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

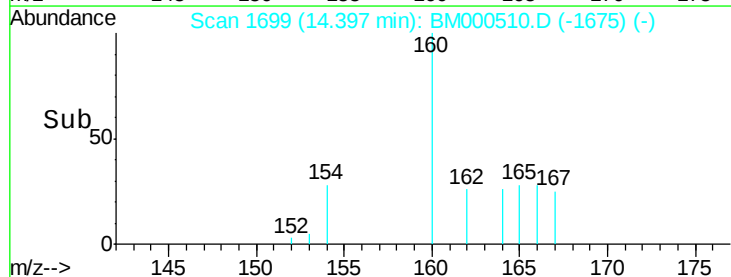
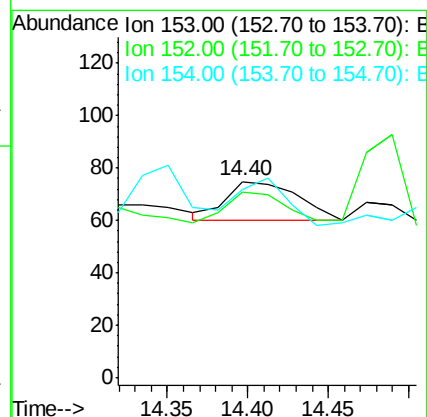
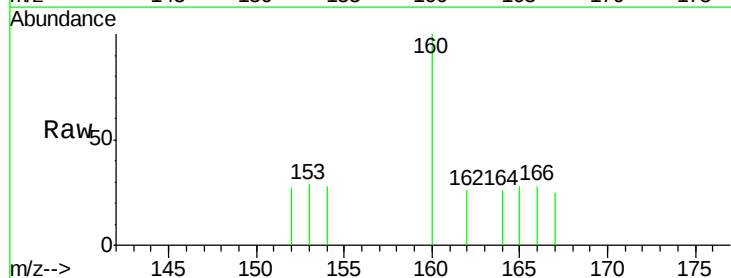
Tgt Ion:153 Resp: 46

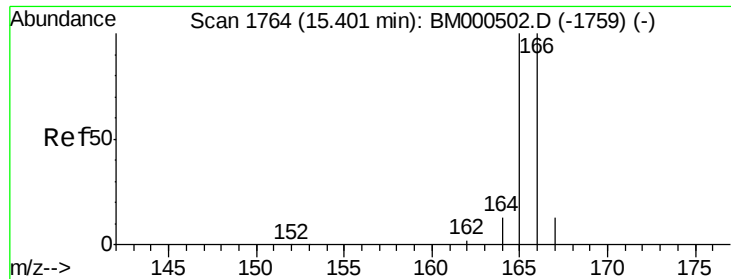
Ion Ratio Lower Upper

153 100

152 94.7 35.1 52.7#

154 96.0 78.5 117.7





#9

Fluorene

Concen: 0.08 ng/ul

RT: 15.35 min Scan# 1761

Delta R.T. -0.05 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

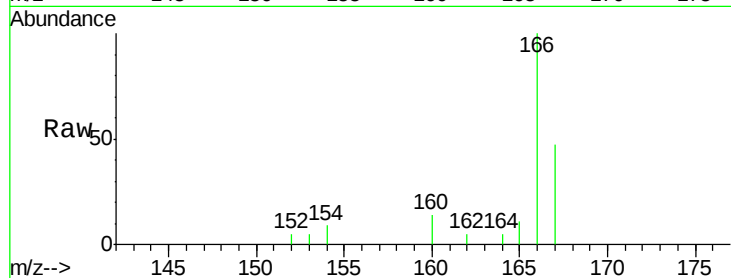
Tgt Ion:166 Resp: 2332

Ion Ratio Lower Upper

166 100

165 10.9 80.0 120.0#

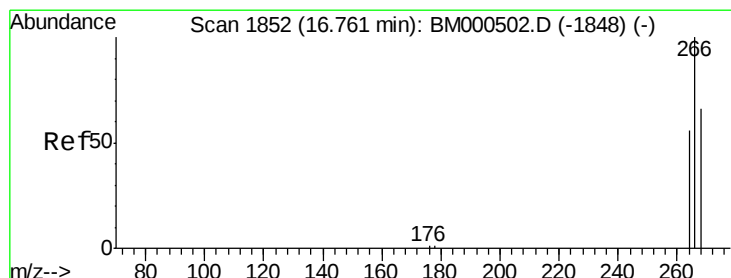
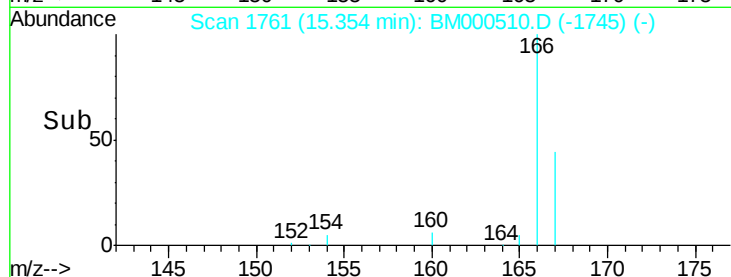
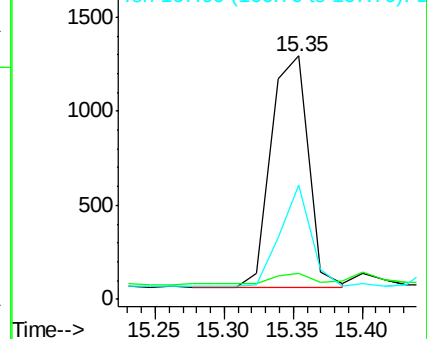
167 47.1 11.4 17.2#



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: 0.00 ng/ul

RT: 16.96 min Scan# 1865

Delta R.T. 0.20 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

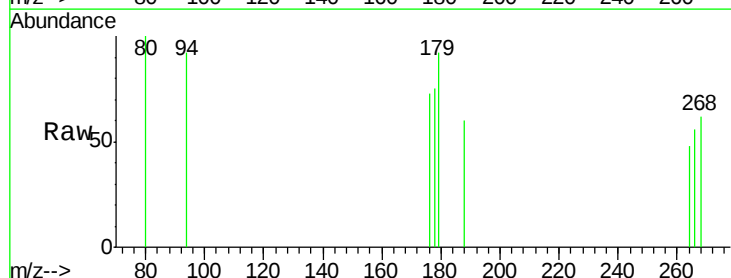
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 0.0 51.4 77.2#

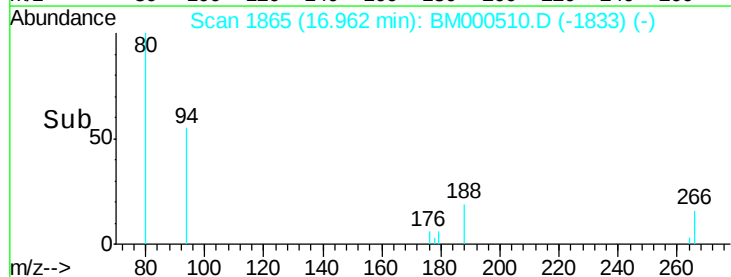
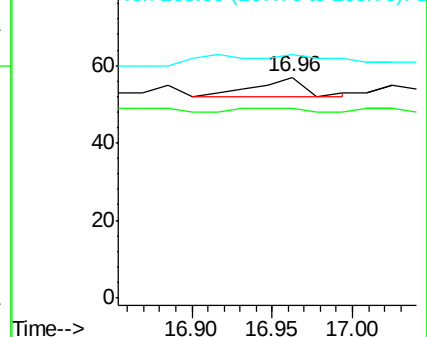
268 0.0 48.7 73.1#

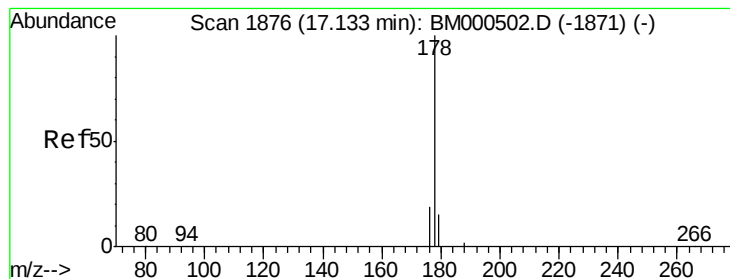


Abundance Ion 266.00 (265.70 to 266.70): E

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: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

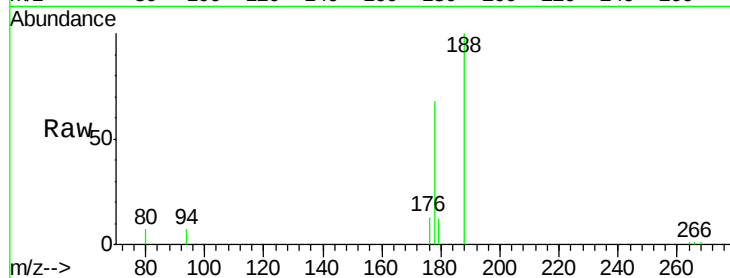
Tgt Ion:178 Resp: 6904

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

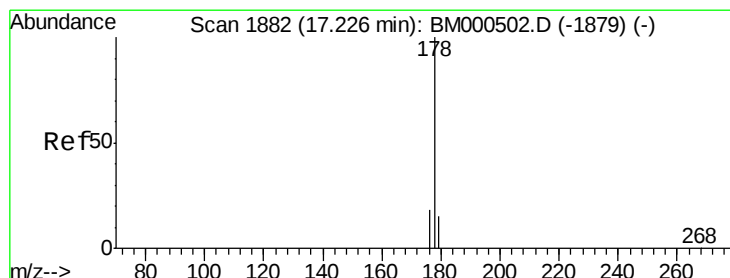
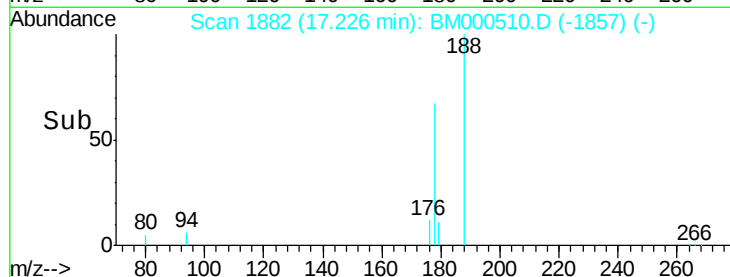
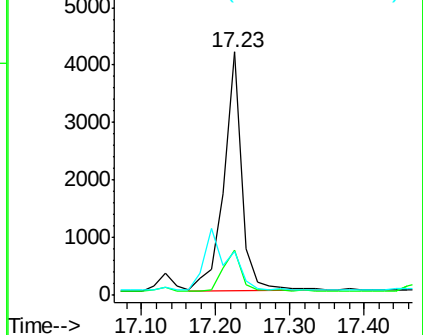
179 17.9 12.5 18.7



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: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

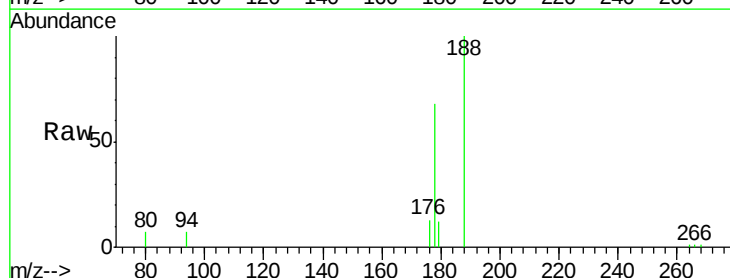
Tgt Ion:178 Resp: 6916

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

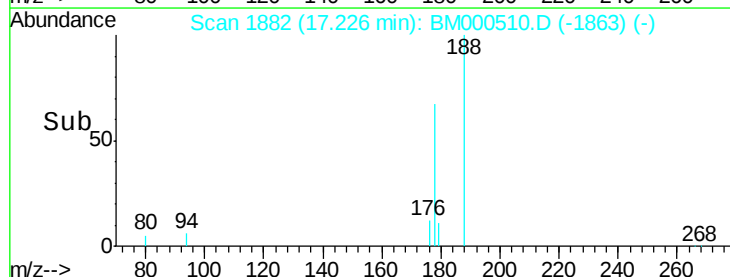
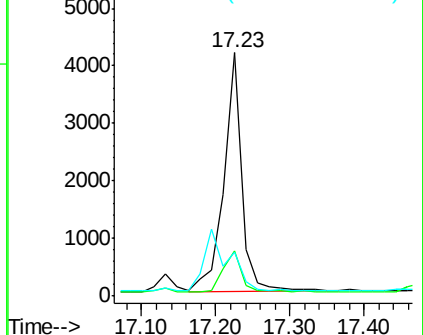
179 17.9 12.8 19.2

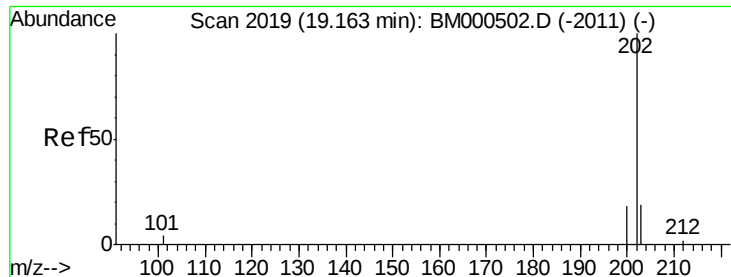


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

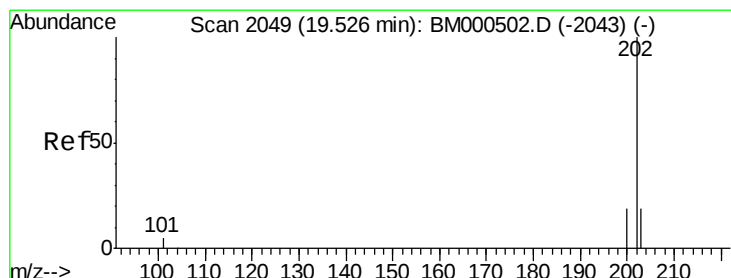
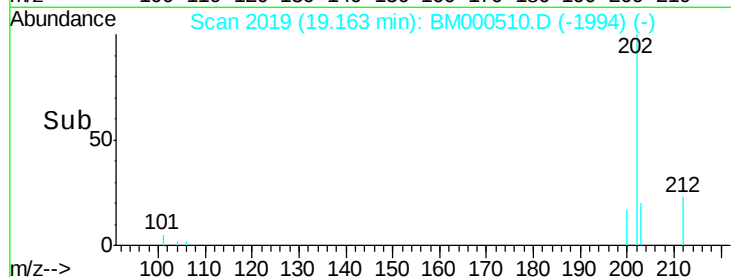
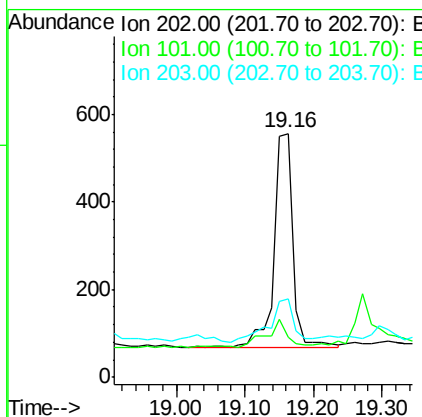
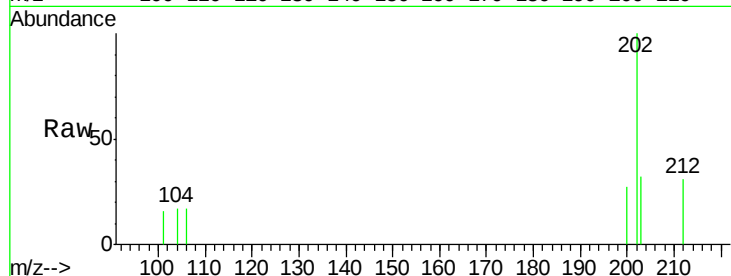




#15
Fluoranthene
Concen: 0.00 ng/u1
RT: 19.16 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BM000510.D
Acq: 12 Feb 2015 19:38

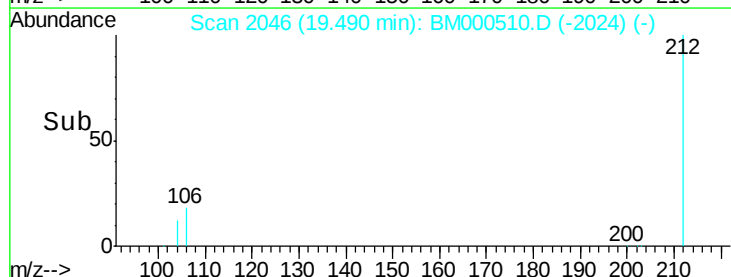
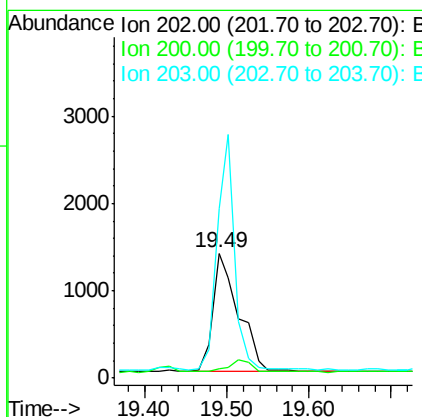
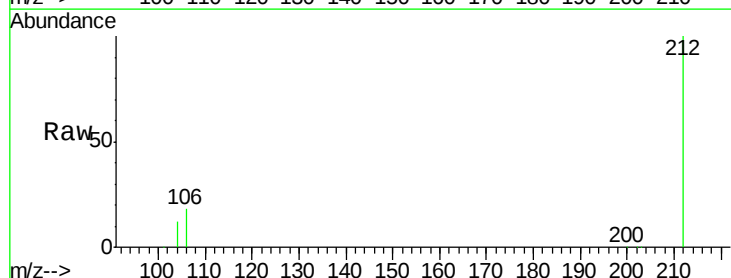
Instrument :
BNA_M
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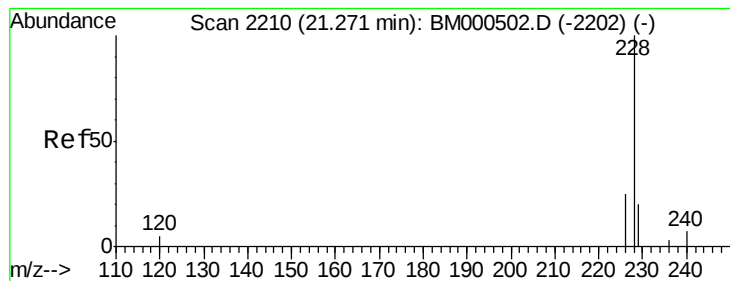
Tgt Ion:202 Resp: 958
Ion Ratio Lower Upper
202 100
101 16.4 0.0 24.8
203 32.4 0.0 39.2



#17
Pyrene
Concen: 0.06 ng/u1
RT: 19.49 min Scan# 2046
Delta R.T. -0.04 min
Lab File: BM000510.D
Acq: 12 Feb 2015 19:38

Tgt Ion:202 Resp: 2965
Ion Ratio Lower Upper
202 100
200 8.0 15.4 23.0#
203 136.1 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: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

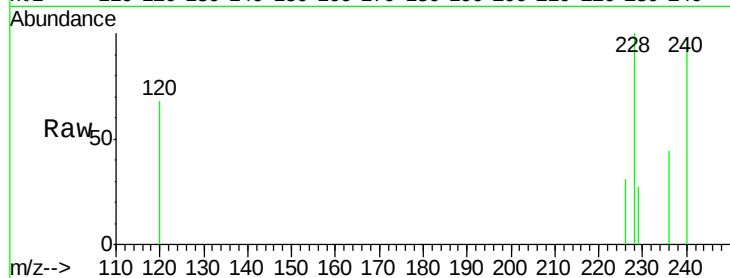
Tgt Ion:228 Resp: 1562

Ion Ratio Lower Upper

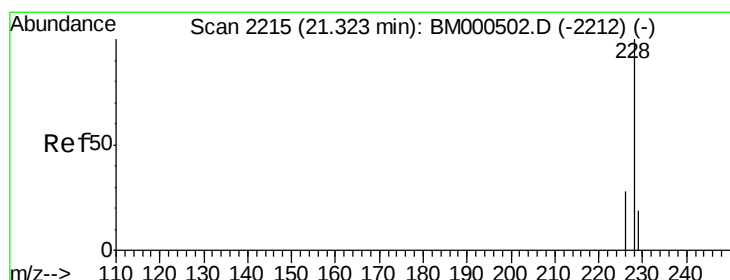
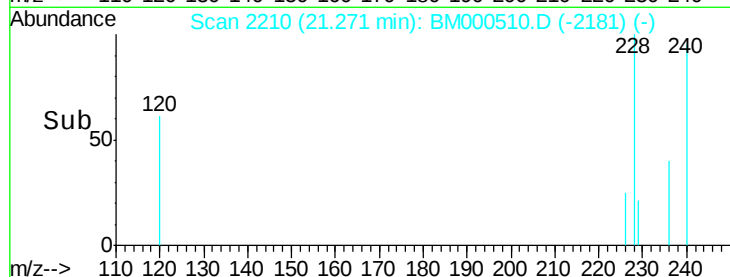
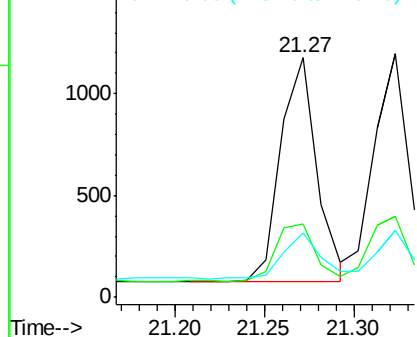
228 100

226 30.9 20.6 31.0

229 27.1 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: BM000510.D

Acq: 12 Feb 2015 19:38

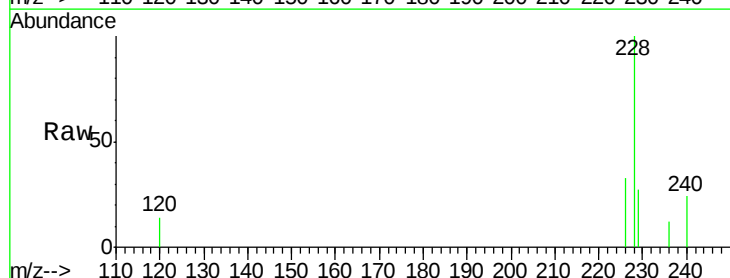
Tgt Ion:228 Resp: 1625

Ion Ratio Lower Upper

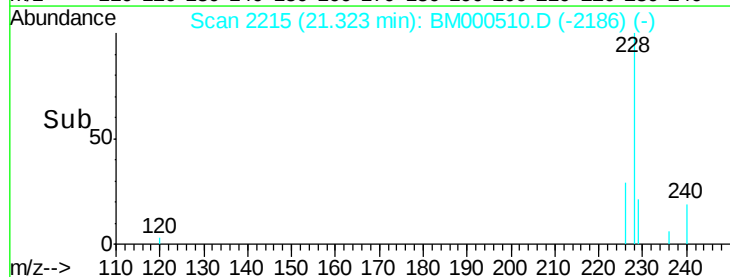
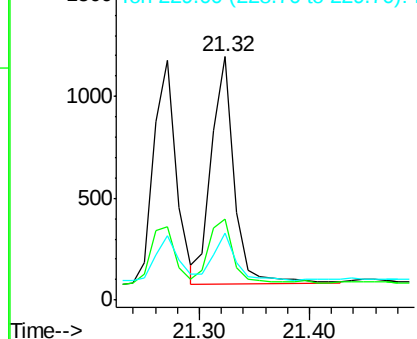
228 100

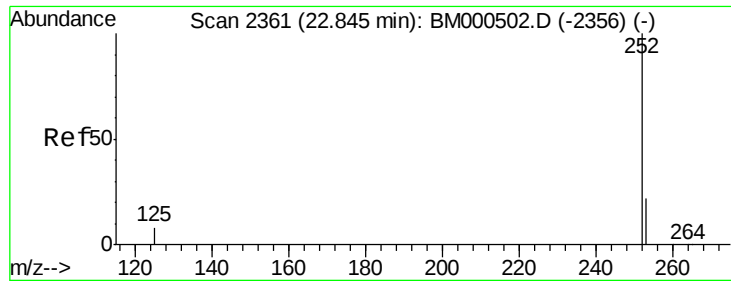
226 33.2 22.7 34.1

229 27.3 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/ul

RT: 22.65 min Scan# 2342

Delta R.T. -0.20 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

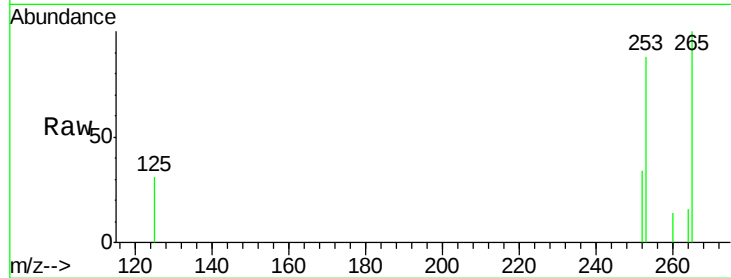
Tgt Ion:252 Resp: 845

Ion Ratio Lower Upper

252 100

253 258.0 0.0 52.6#

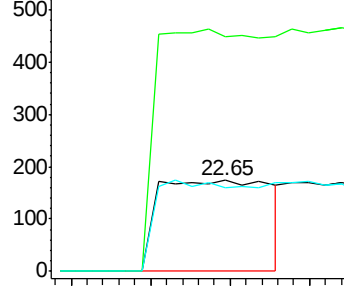
125 91.4 0.0 17.6#



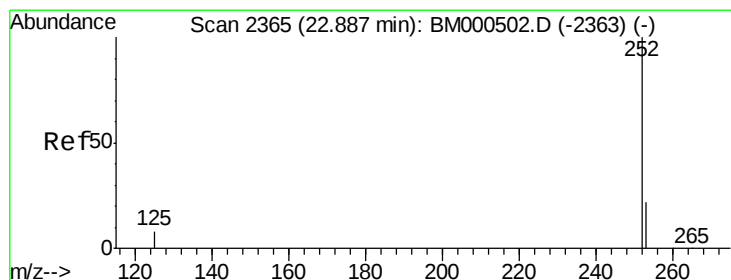
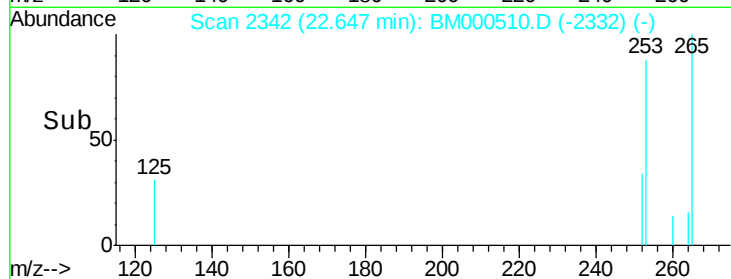
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.83 min Scan# 2360

Delta R.T. -0.05 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

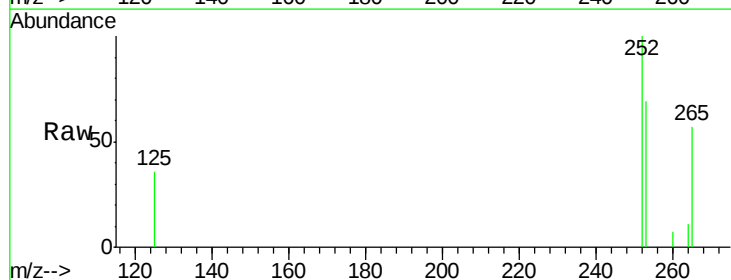
Tgt Ion:252 Resp: 1576

Ion Ratio Lower Upper

252 100

253 68.5 20.2 30.4#

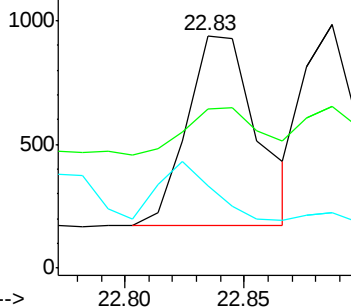
125 35.6 7.4 11.0#



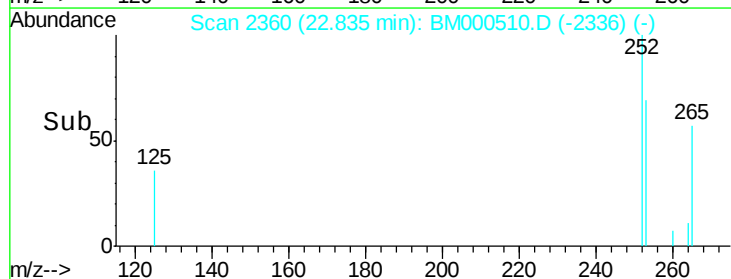
Abundance Ion 252.00 (251.70 to 252.70): E

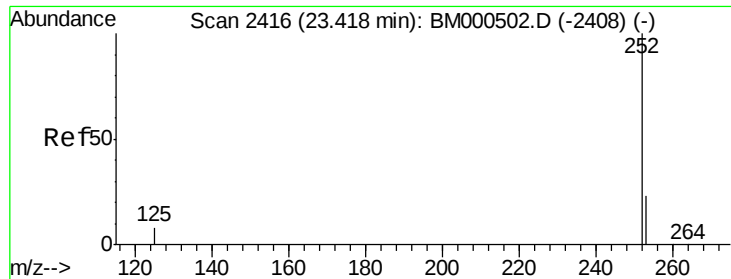
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.38 min Scan# 2412

Delta R.T. -0.04 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

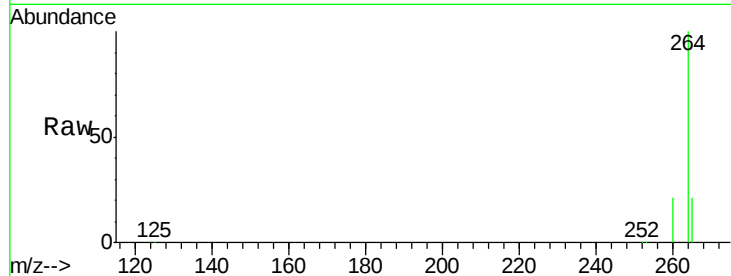
Tgt Ion:252 Resp: 5522

Ion Ratio Lower Upper

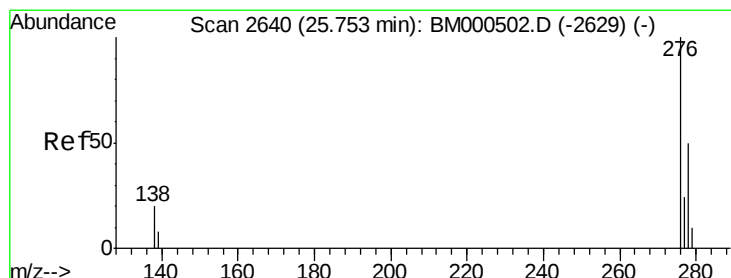
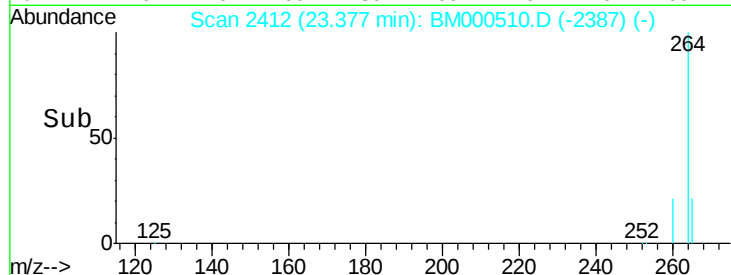
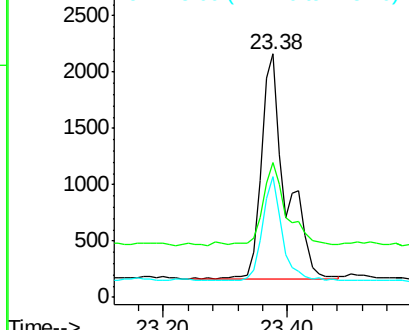
252 100

253 55.3 23.1 34.7#

125 49.8 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: BM000510.D

Acq: 12 Feb 2015 19:38

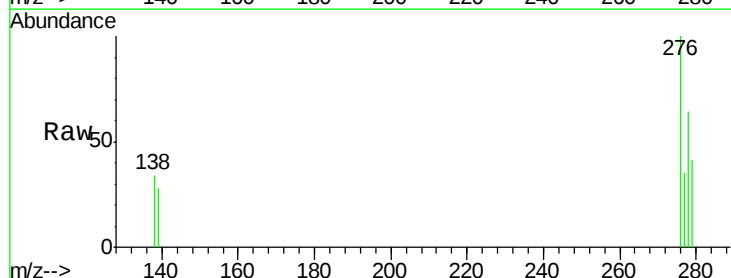
Tgt Ion:276 Resp: 1392

Ion Ratio Lower Upper

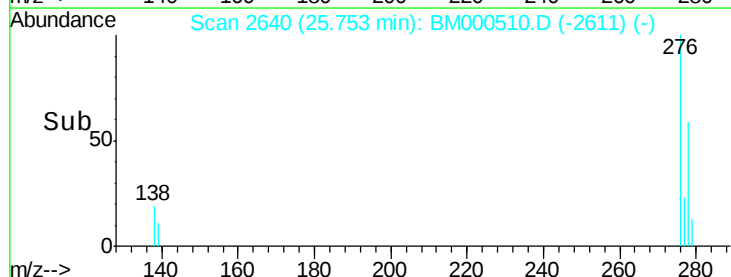
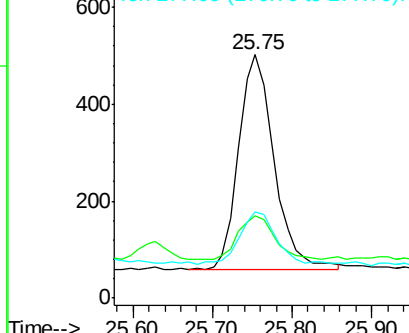
276 100

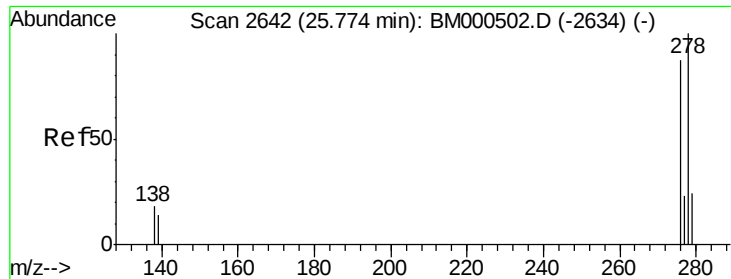
138 21.1 17.3 25.9

277 24.7 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: 25.77 min Scan# 2642

Delta R.T. -0.00 min

Lab File: BM000510.D

Acq: 12 Feb 2015 19:38

Instrument :

BNA_M

ClientSampleId :

A4FN8

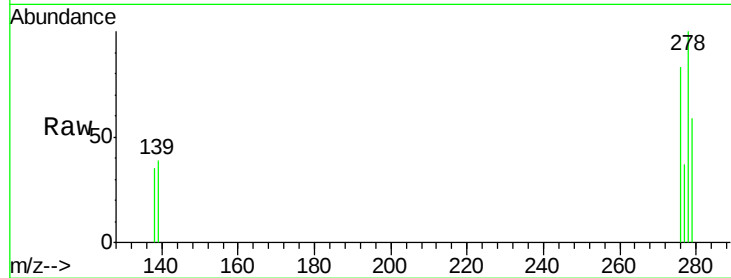
Tgt Ion:278 Resp: 1078

Ion Ratio Lower Upper

278 100

139 38.7 12.5 18.7#

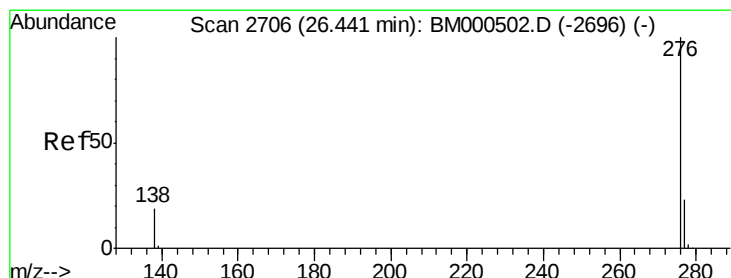
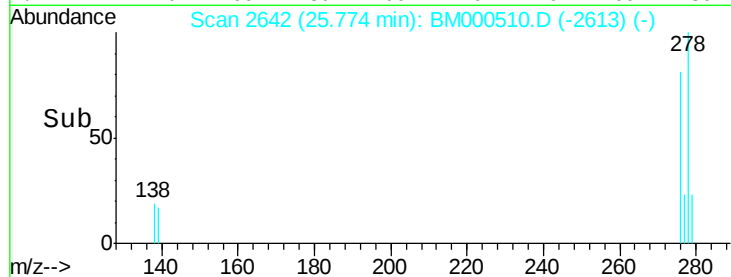
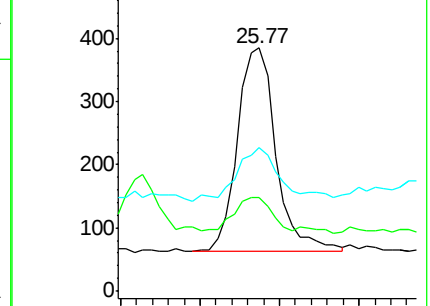
279 59.2 22.2 33.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#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: BM000510.D

Acq: 12 Feb 2015 19:38

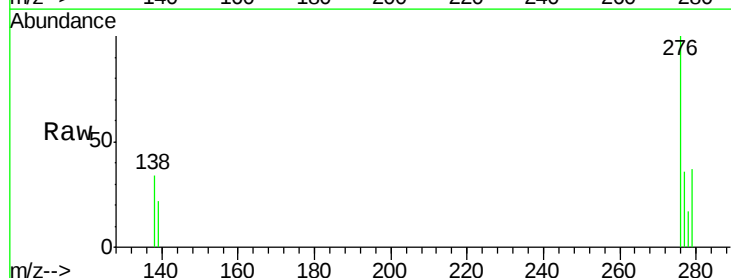
Tgt Ion:276 Resp: 1163

Ion Ratio Lower Upper

276 100

277 36.2 19.2 28.8#

138 33.8 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

