

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM021215\
 Data File : BM000505.D
 Acq On : 12 Feb 2015 16:40
 Operator : TP/IZ
 Sample : G1249-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4FN3

Quant Time: Feb 13 00:06:18 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	3849	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	13057	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	8281	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	1341373	0.40	ng/ul	0.11
16) Chrysene-d12	21.29	240	13290	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	906085	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	8095	0.49	ng/ul	0.00
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

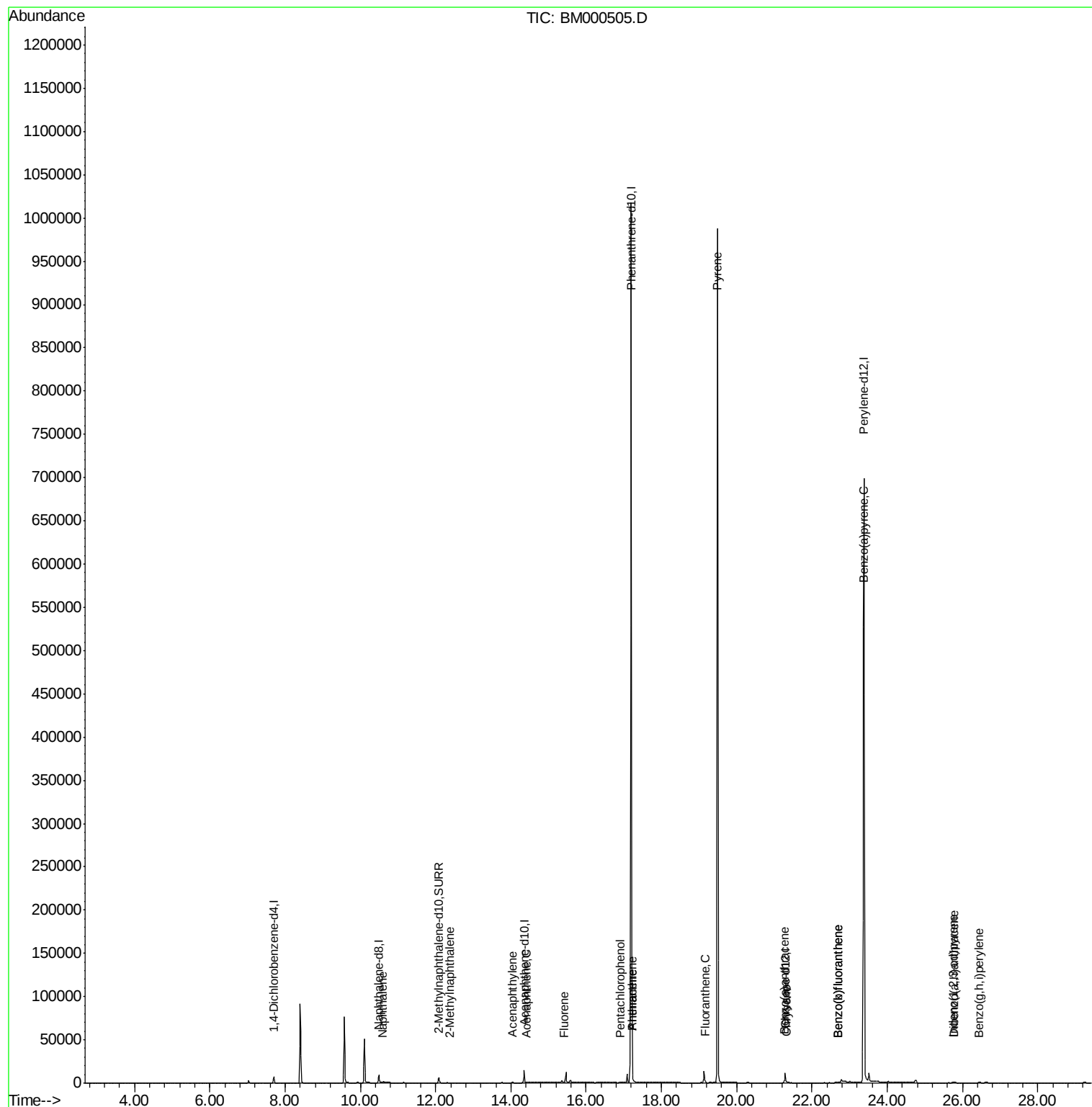
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.59	128	2547	0.08	ng/ul#	62
5) 2-Methylnaphthalene	12.38	142	27	0.00	ng/ul	94
7) Acenaphthylene	14.04	152	241	0.01	ng/ul#	1
8) Acenaphthene	14.40	153	105	0.00	ng/ul#	79
9) Fluorene	15.40	166	442	0.02	ng/ul#	90
11) Pentachlorophenol	16.90	266	6	0.00	ng/ul#	19
12) Phenanthrene	17.23	178	1967	0.00	ng/ul#	79
13) Anthracene	17.23	178	2073	0.00	ng/ul#	79
15) Fluoranthene	19.15	202	1802	0.00	ng/ul	87
17) Pyrene	19.49	202	4048	0.08	ng/ul#	1
18) Benzo(a)anthracene	21.27	228	1791	0.05	ng/ul#	92
19) Chrysene	21.32	228	1985	0.05	ng/ul#	90
21) Benzo(b)fluoranthene	22.68	252	1040	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	22.68	252	1040	0.00	ng/ul#	1
23) Benzo(a)pyrene	23.37	252	5515	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.75	276	1408	0.00	ng/ul	99
25) Dibenzo(a,h)anthracene	25.77	278	1068	0.00	ng/ul#	50
26) Benzo(g,h,i)perylene	26.44	276	1278	0.00	ng/ul#	72

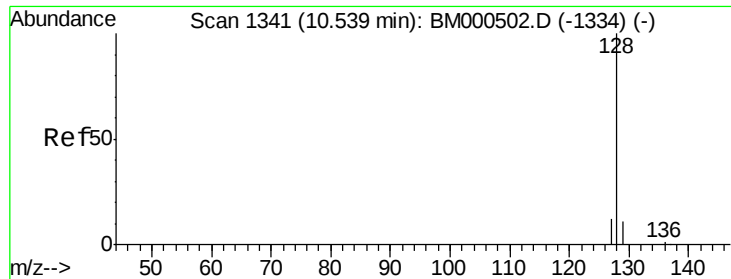
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.59 min Scan# 1345

Delta R.T. 0.05 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

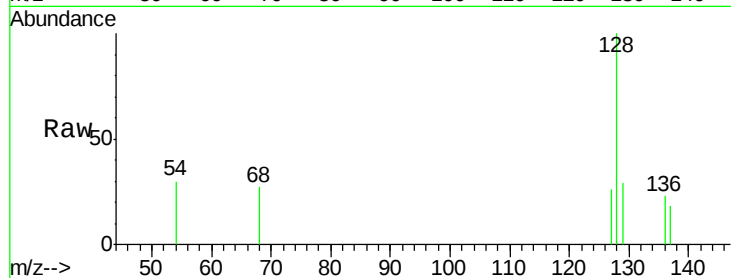
Tgt Ion:128 Resp: 2547

Ion Ratio Lower Upper

128 100

129 28.7 9.5 14.3#

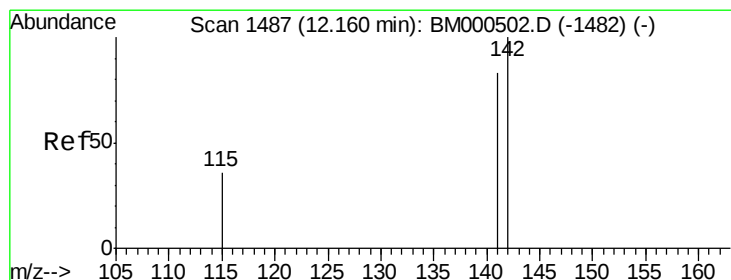
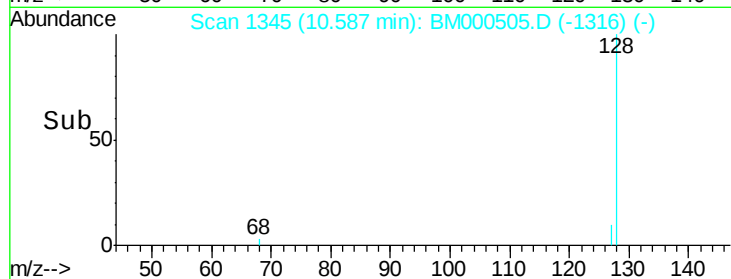
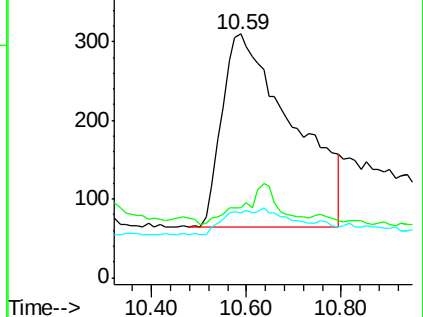
127 26.5 10.4 15.6#



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: 12.38 min Scan# 1508

Delta R.T. 0.22 min

Lab File: BM000505.D

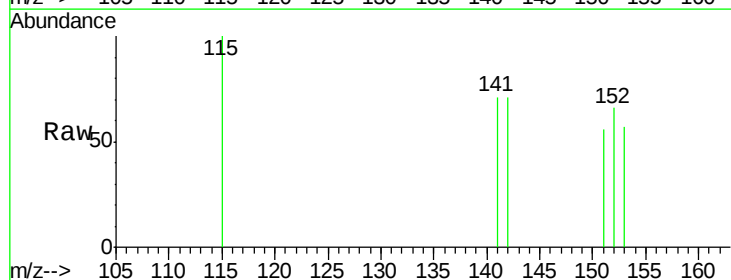
Acq: 12 Feb 2015 16:40

Tgt Ion:142 Resp: 27

Ion Ratio Lower Upper

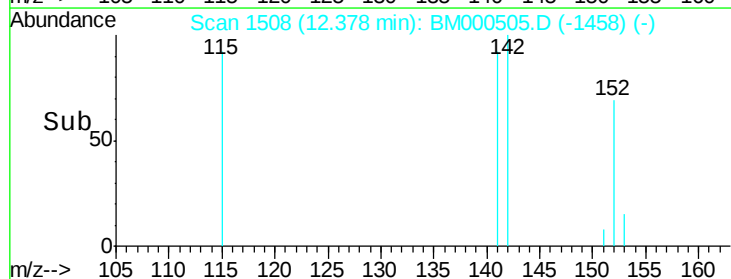
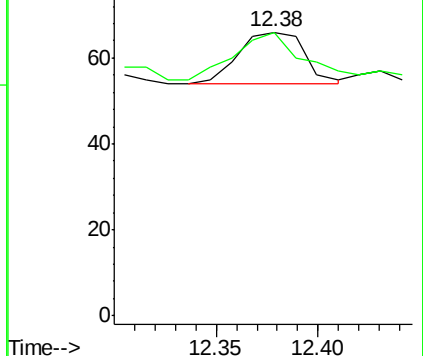
142 100

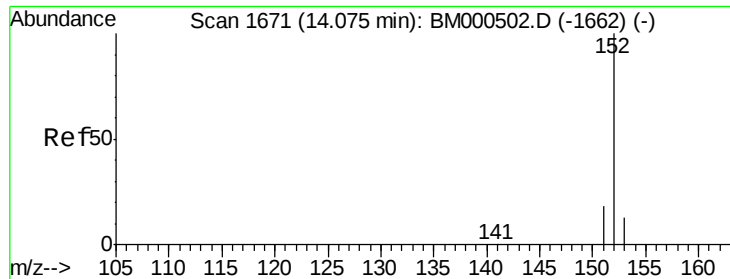
141 92.6 69.9 104.9



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: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

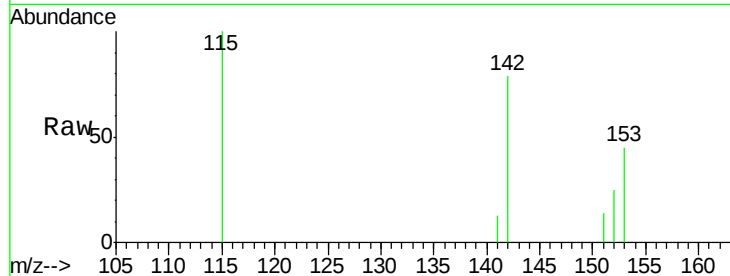
Tgt Ion:152 Resp: 241

Ion Ratio Lower Upper

152 100

151 55.6 15.0 22.6#

153 178.9 11.1 16.7#

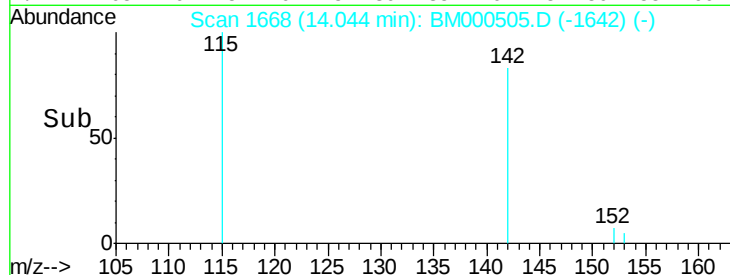


Abundance Ion 152.00 (151.70 to 152.70): E

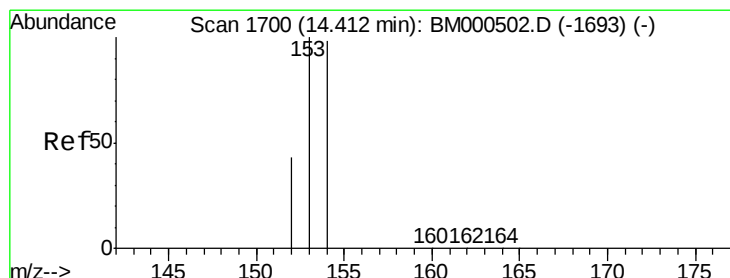
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time--> 13.90 14.00 14.10 14.20



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.40 min Scan# 1699

Delta R.T. -0.02 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

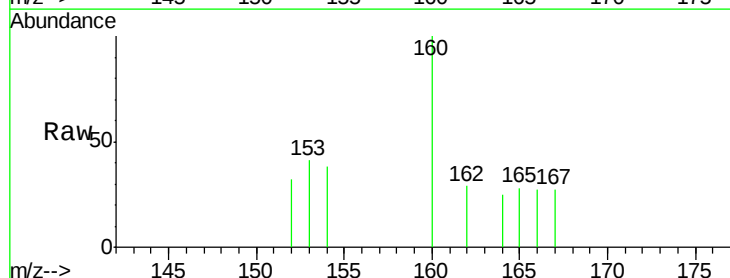
Tgt Ion:153 Resp: 105

Ion Ratio Lower Upper

153 100

152 77.7 35.1 52.7#

154 91.1 78.5 117.7

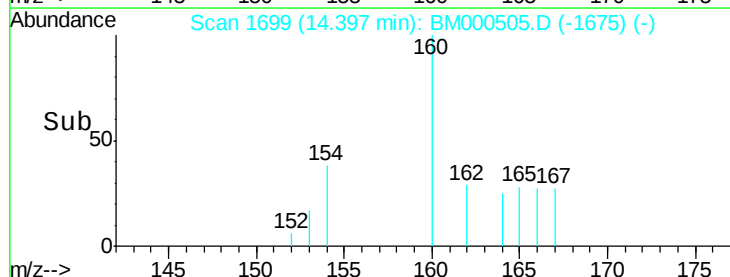


Abundance Ion 153.00 (152.70 to 153.70): E

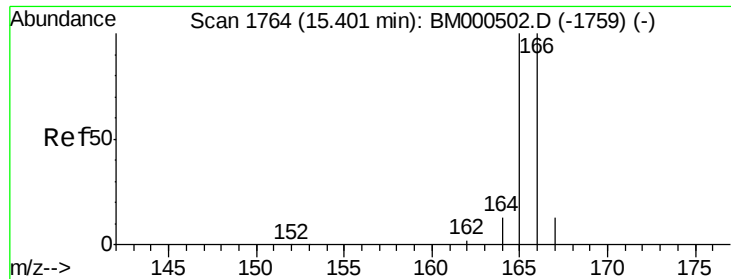
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time--> 14.35 14.40 14.45



Time--> 14.35 14.40 14.45



#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.40 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

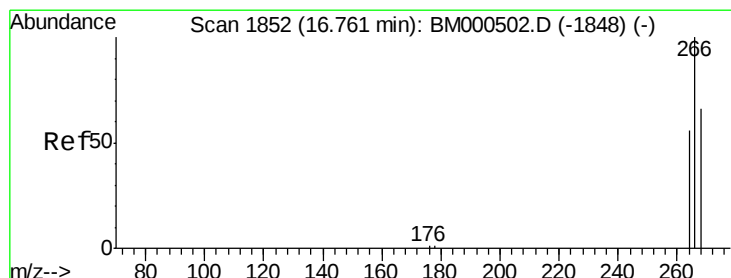
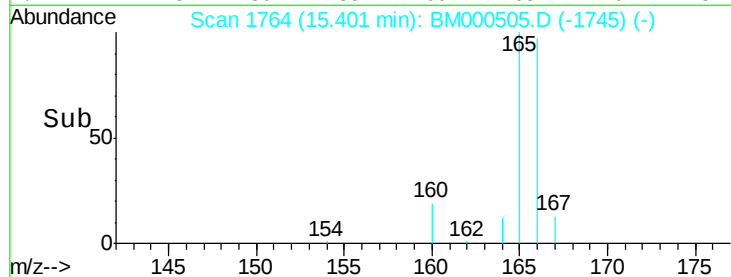
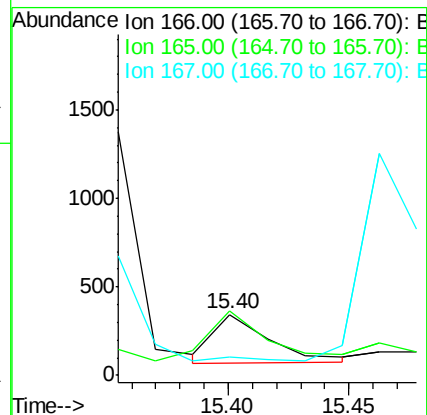
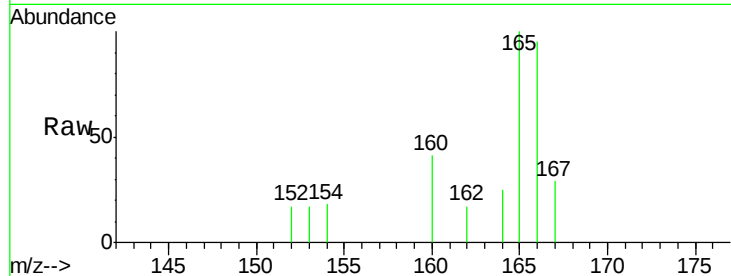
Tgt Ion:166 Resp: 442

Ion Ratio Lower Upper

166 100

165 105.2 80.0 120.0

167 30.7 11.4 17.2#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.90 min Scan# 1861

Delta R.T. 0.14 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

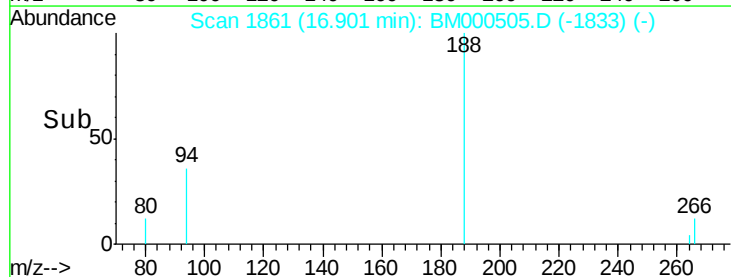
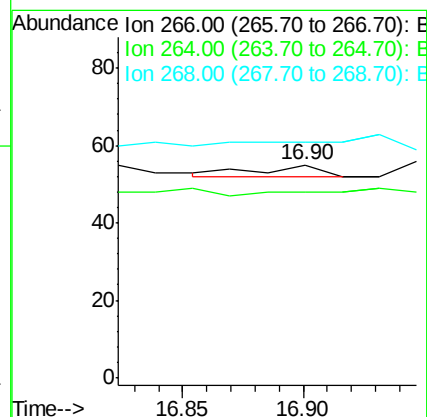
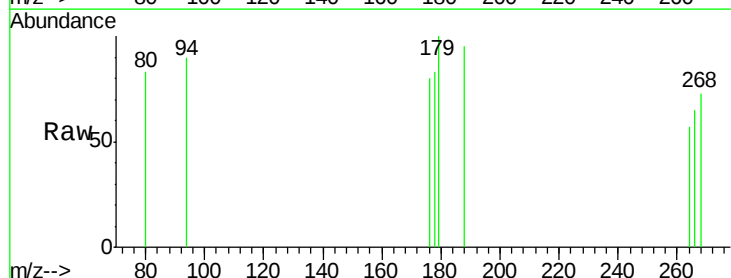
Tgt Ion:266 Resp: 6

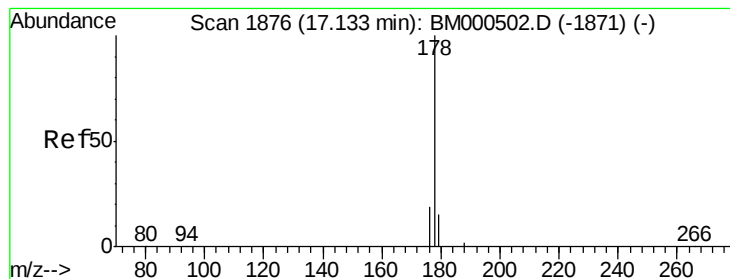
Ion Ratio Lower Upper

266 100

264 0.0 51.4 77.2#

268 0.0 48.7 73.1#





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1882

Delta R.T. 0.09 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

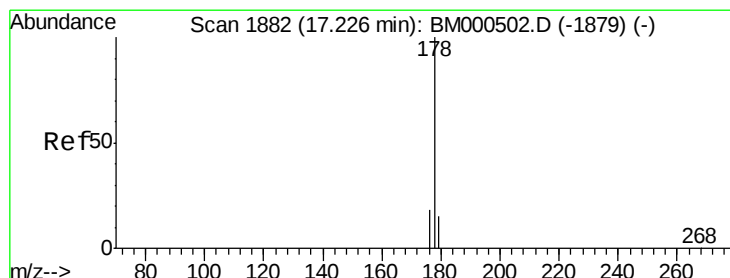
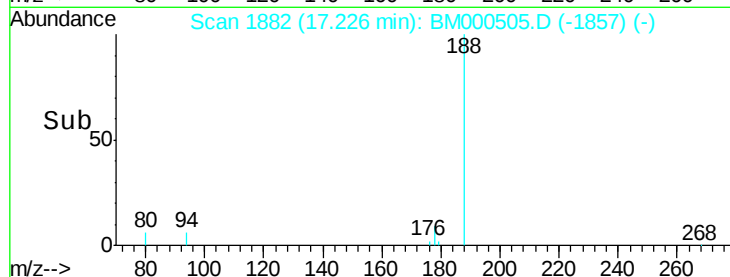
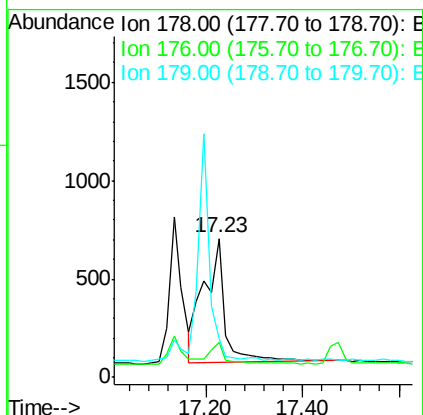
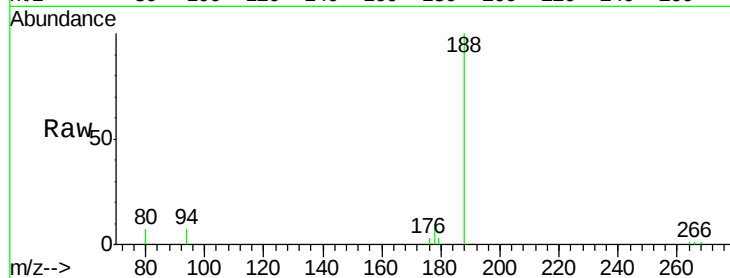
Tgt Ion:178 Resp: 1967

Ion Ratio Lower Upper

178 100

176 25.4 15.5 23.3#

179 28.2 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: BM000505.D

Acq: 12 Feb 2015 16:40

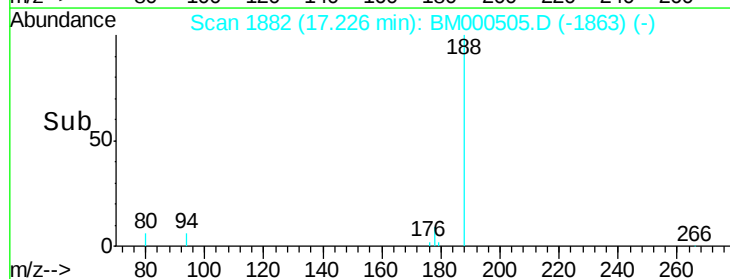
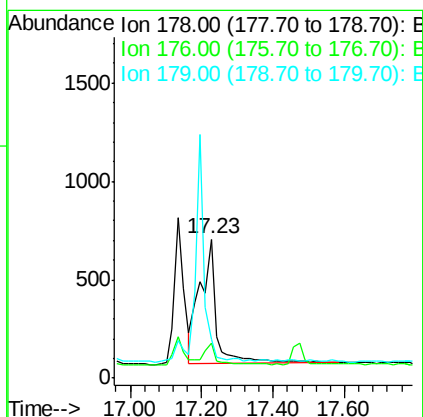
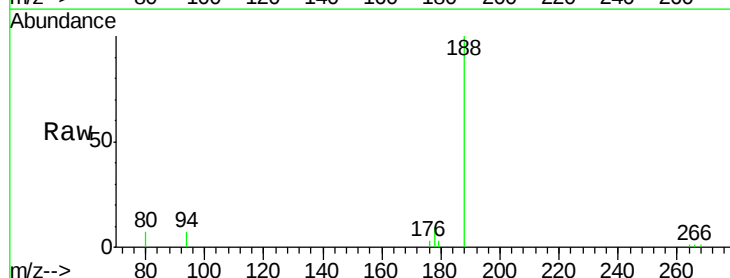
Tgt Ion:178 Resp: 2073

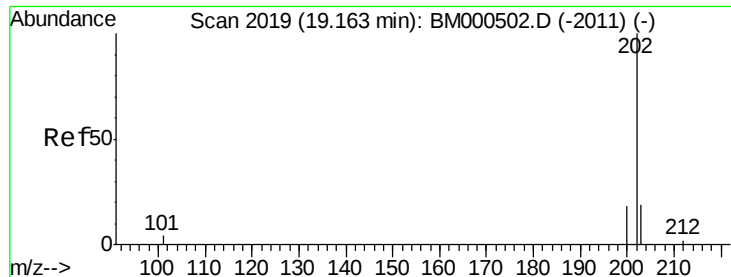
Ion Ratio Lower Upper

178 100

176 25.4 14.9 22.3#

179 28.2 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: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

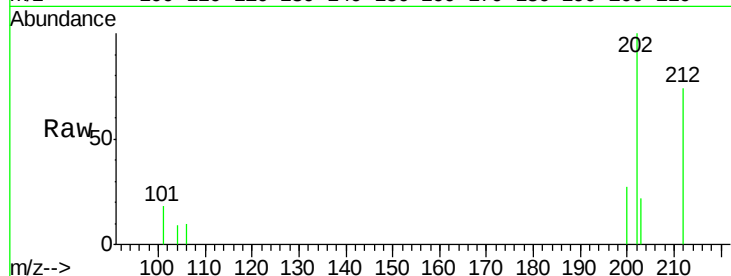
Tgt Ion:202 Resp: 1802

Ion Ratio Lower Upper

202 100

101 18.3 0.0 24.8

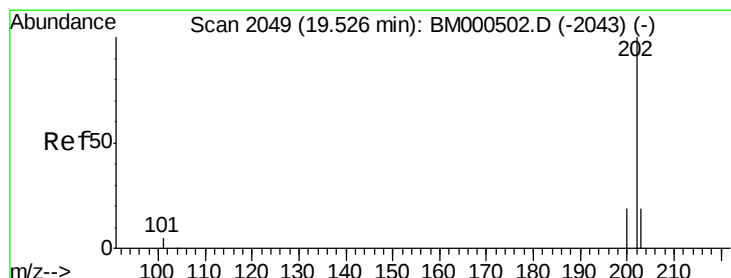
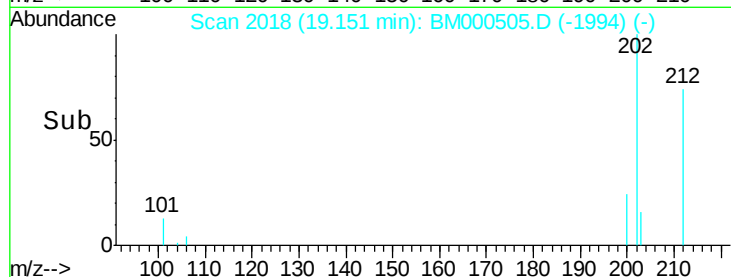
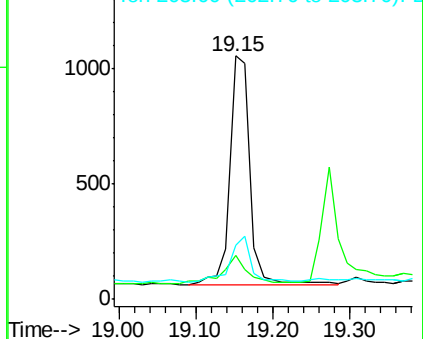
203 22.0 0.0 39.2



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: 0.08 ng/u1

RT: 19.49 min Scan# 2046

Delta R.T. -0.04 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

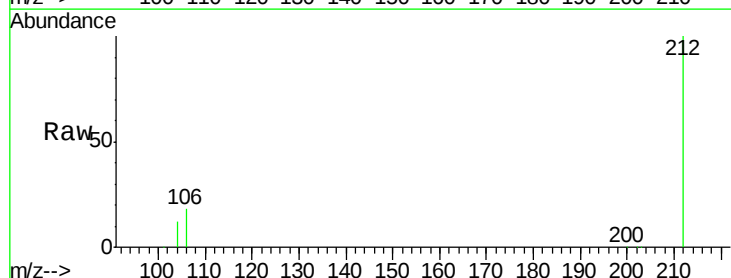
Tgt Ion:202 Resp: 4048

Ion Ratio Lower Upper

202 100

200 7.7 15.4 23.0#

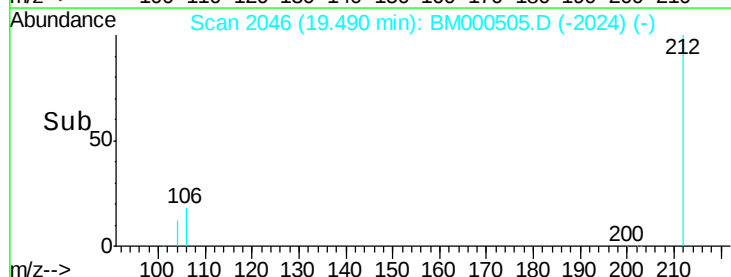
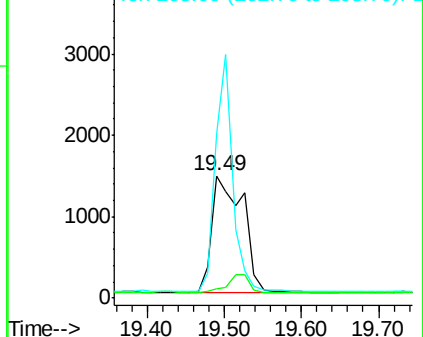
203 133.9 15.4 23.2#

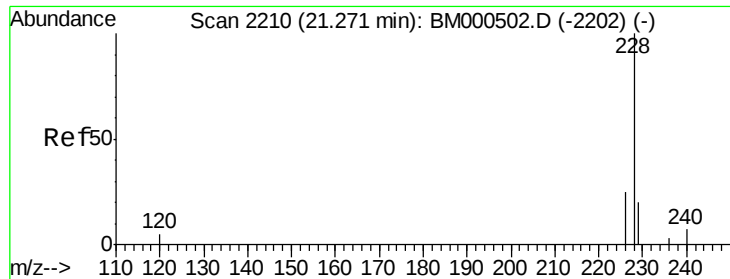


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.27 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

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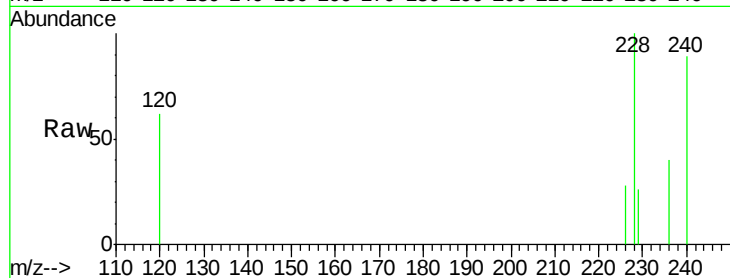
Tgt Ion:228 Resp: 1791

Ion Ratio Lower Upper

228 100

226 28.2 20.6 31.0

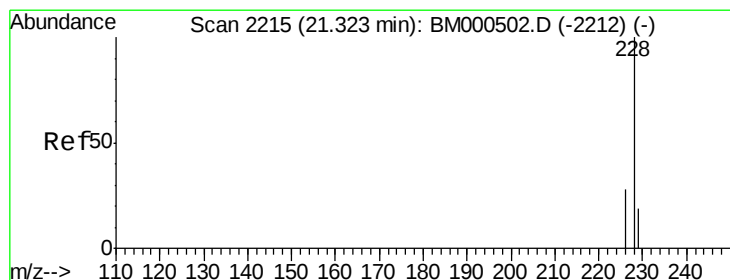
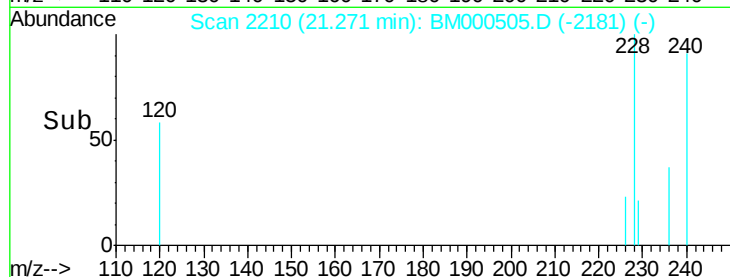
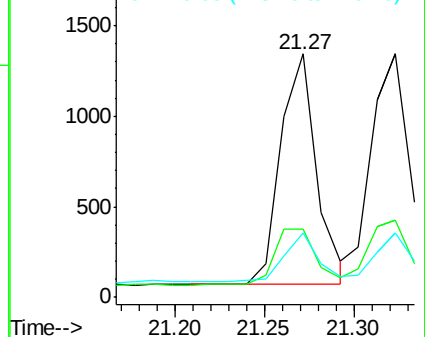
229 26.3 16.3 24.5#



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: 0.05 ng/ul

RT: 21.32 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

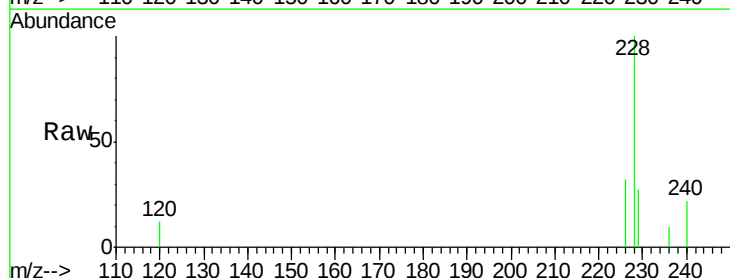
Tgt Ion:228 Resp: 1985

Ion Ratio Lower Upper

228 100

226 32.0 22.7 34.1

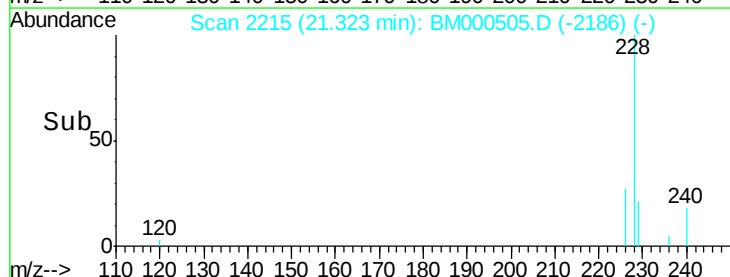
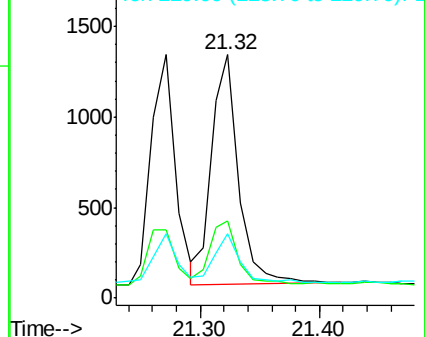
229 26.5 16.0 24.0#

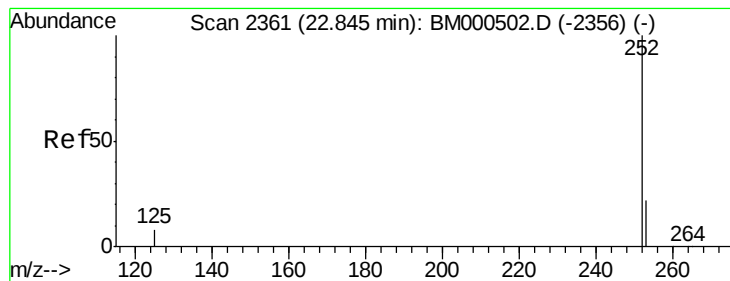


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.68 min Scan# 2345

Delta R.T. -0.17 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

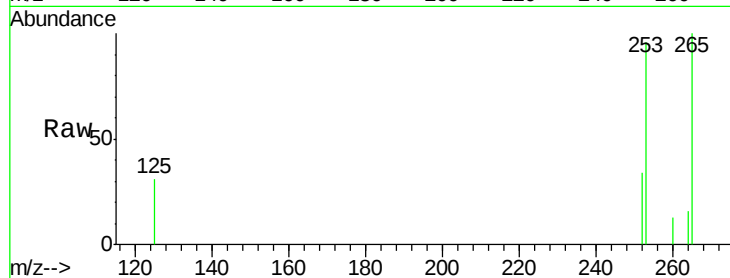
Tgt Ion:252 Resp: 1040

Ion Ratio Lower Upper

252 100

253 285.1 0.0 52.6#

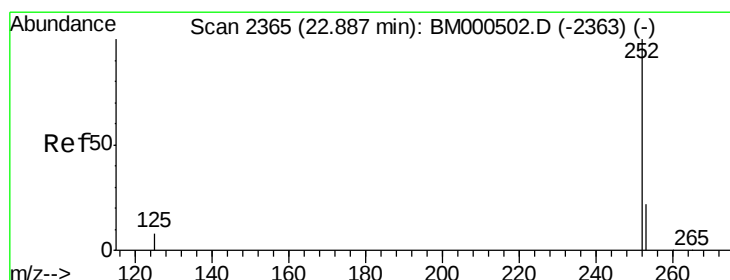
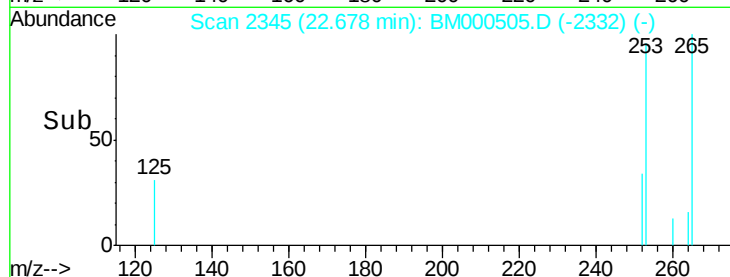
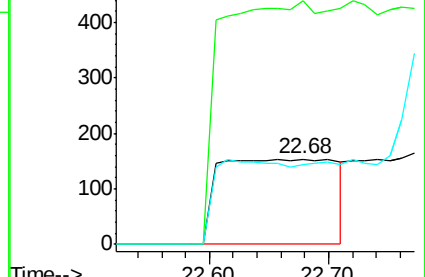
125 92.9 0.0 17.6#



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: 22.68 min Scan# 2345

Delta R.T. -0.21 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

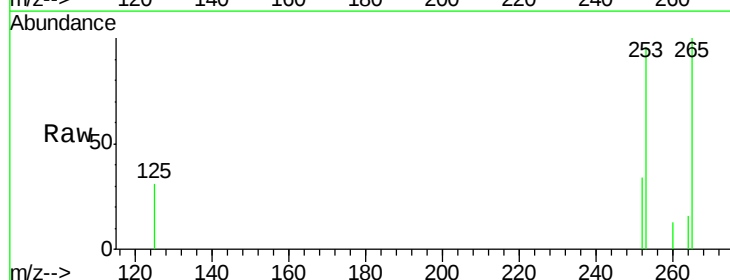
Tgt Ion:252 Resp: 1040

Ion Ratio Lower Upper

252 100

253 285.1 20.2 30.4#

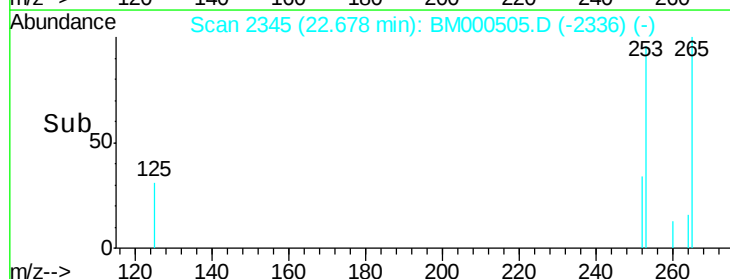
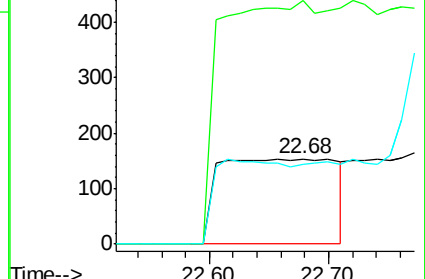
125 92.9 7.4 11.0#

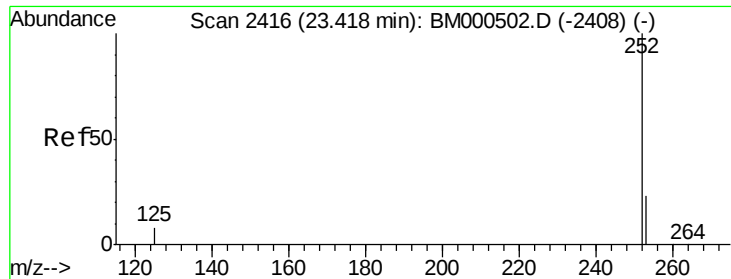


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 23.37 min Scan# 2411

Delta R.T. -0.05 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

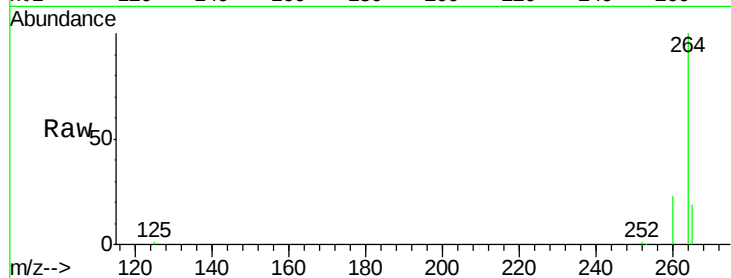
Tgt Ion:252 Resp: 5515

Ion Ratio Lower Upper

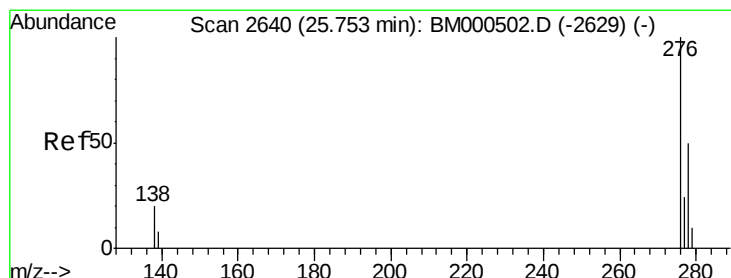
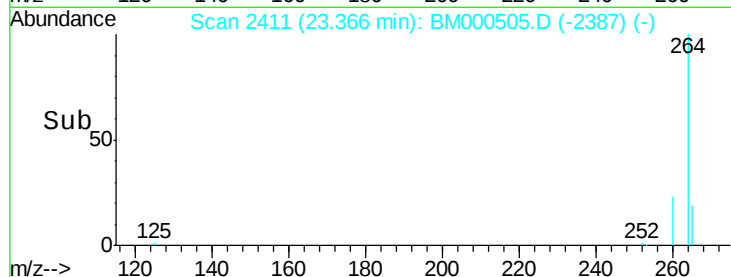
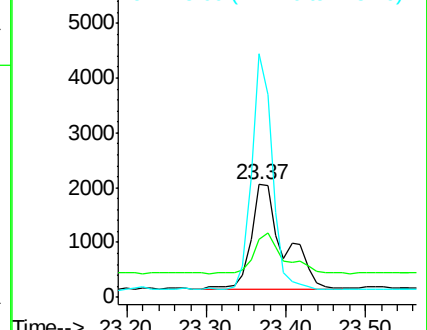
252 100

253 51.9 23.1 34.7#

125 216.5 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/ul

RT: 25.75 min Scan# 2640

Delta R.T. -0.00 min

Lab File: BM000505.D

Acq: 12 Feb 2015 16:40

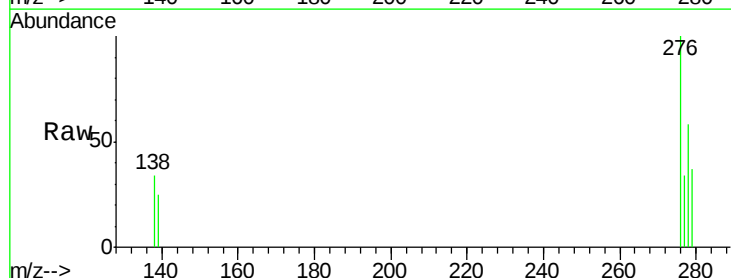
Tgt Ion:276 Resp: 1408

Ion Ratio Lower Upper

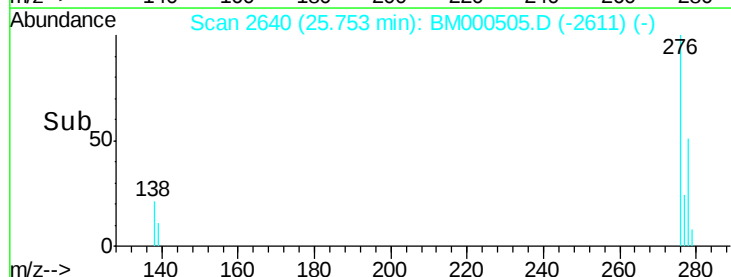
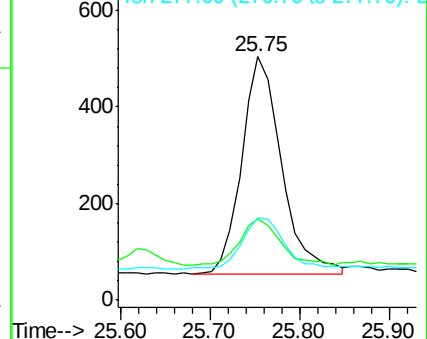
276 100

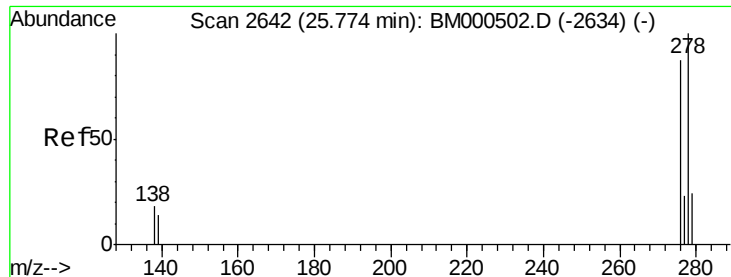
138 21.5 17.3 25.9

277 25.6 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: BM000505.D

Acq: 12 Feb 2015 16:40

Instrument :

BNA_M

ClientSampleId :

A4FN3

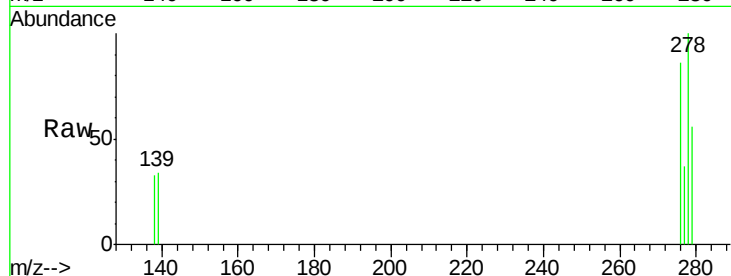
Tgt Ion: 278 Resp: 1068

Ion Ratio Lower Upper

278 100

139 33.8 12.5 18.7#

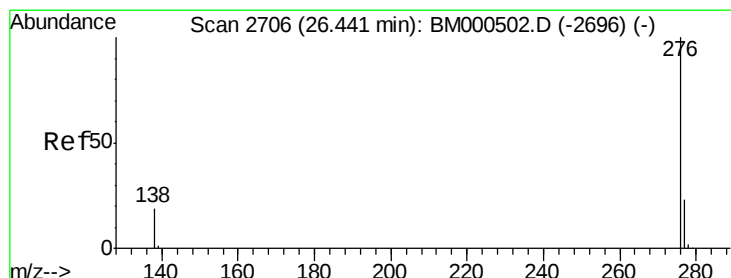
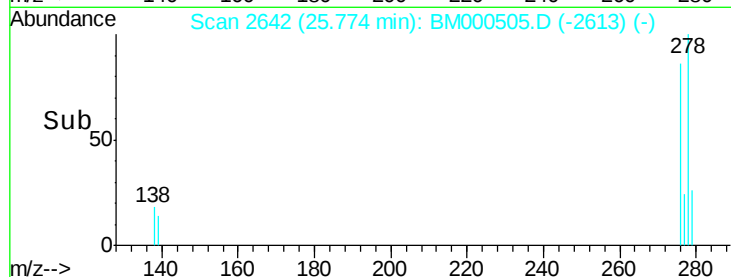
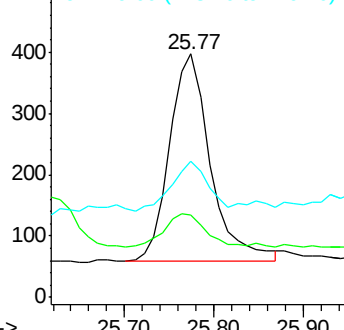
279 55.9 22.2 33.2#



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: BM000505.D

Acq: 12 Feb 2015 16:40

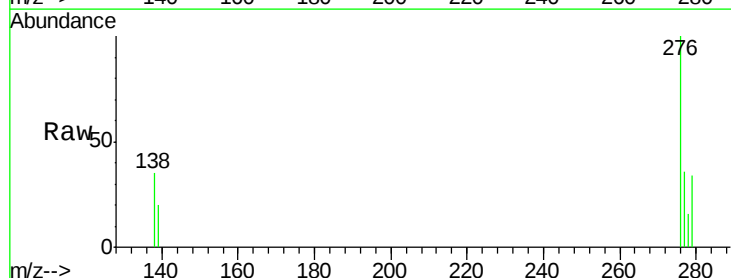
Tgt Ion: 276 Resp: 1278

Ion Ratio Lower Upper

276 100

277 36.0 19.2 28.8#

138 34.8 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

