

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032816\
 Data File : BM004804.D
 Acq On : 28 Mar 2016 13:31
 Operator : UM/SJ
 Sample : H1909-16DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T50DL

Quant Time: Mar 29 03:08:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 02:37:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	842	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	3866	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2261	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	205138	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	5397	5.00	ng/ul	-0.01
22) Perylene-d12	23.54	264	235157	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	2516	6.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.22	152	1022	0.19	ng/ul	0.01
16) Fluoranthene-d10	19.24	212	2485	0.01	ng/ul	0.00

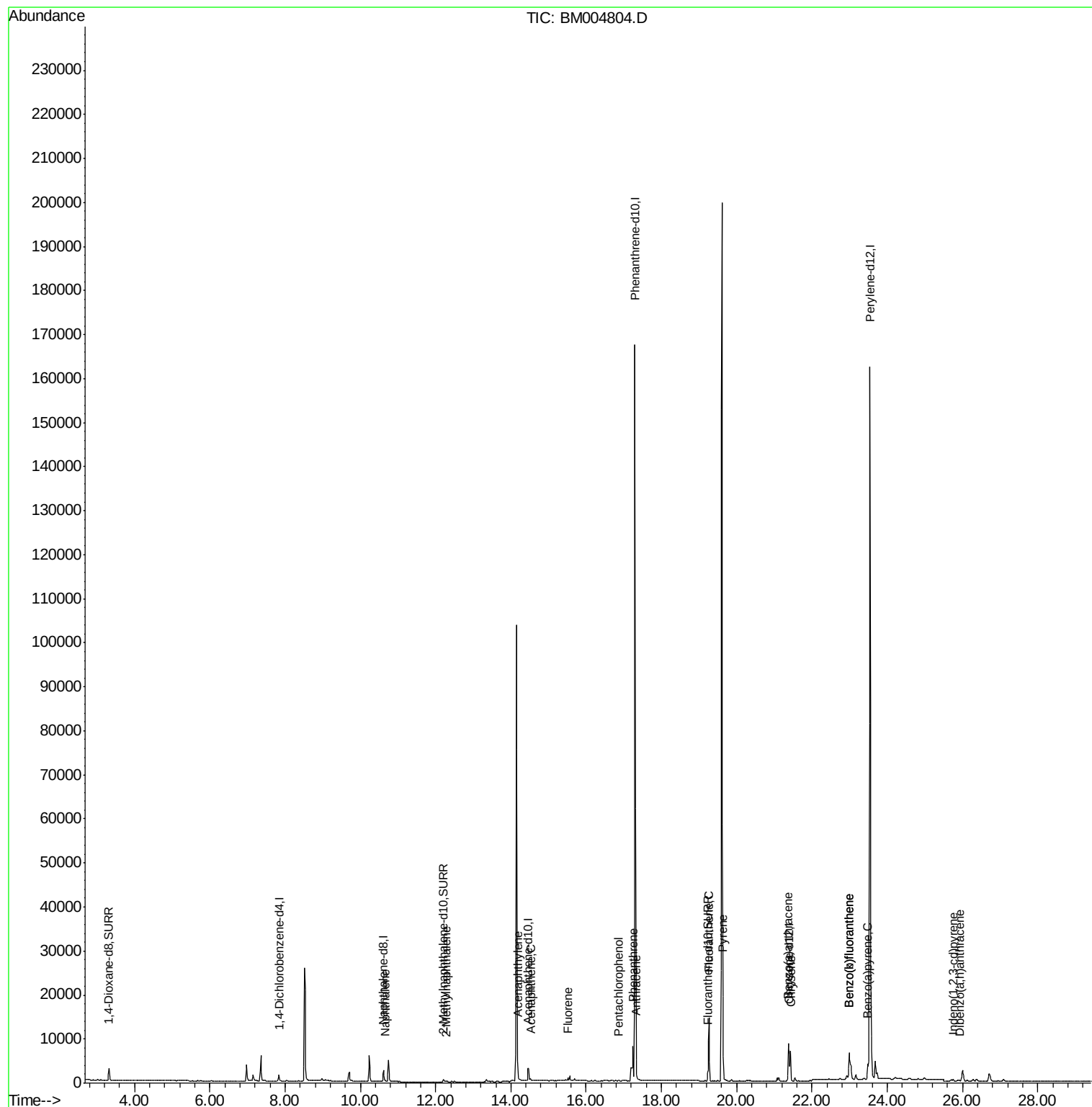
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	254	0.03	ng/ul#	39
7) 2-Methylnaphthalene	12.29	142	94	0.01	ng/ul	98
9) Acenaphthylene	14.18	152	463	0.04	ng/ul#	71
10) Acenaphthene	14.52	153	345	0.05	ng/ul#	87
11) Fluorene	15.51	166	458	0.05	ng/ul#	85
13) Pentachlorophenol	16.87	266	13	0.00	ng/ul	90
14) Phenanthrene	17.24	178	8851	0.02	ng/ul	96
15) Anthracene	17.33	178	2251	0.00	ng/ul#	91
17) Fluoranthene	19.27	202	14196	0.02	ng/ul	97
19) Pyrene	19.63	202	15014	0.81	ng/ul	96
20) Benzo(a)anthracene	21.38	228	7813	0.47	ng/ul	95
21) Chrysene	21.43	228	7171	0.45	ng/ul	95
23) Benzo(b)fluoranthene	22.99	252	9704	0.01	ng/ul	92
24) Benzo(k)fluoranthene	22.99	252	13616	0.02	ng/ul#	94
25) Benzo(a)pyrene	23.48	252	5136	0.01	ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	25.75	276	456	0.00	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.91	278	265	0.00	ng/ul#	1

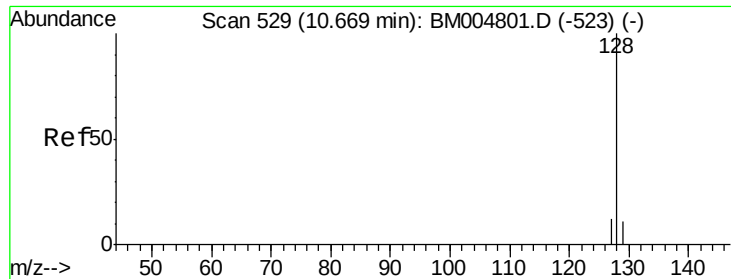
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

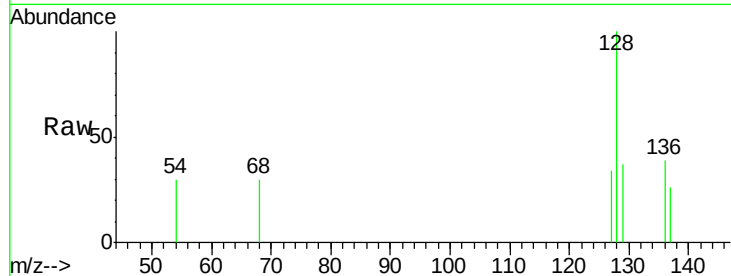
Tgt Ion:128 Resp: 254

Ion Ratio Lower Upper

128 100

129 36.5 9.0 13.6#

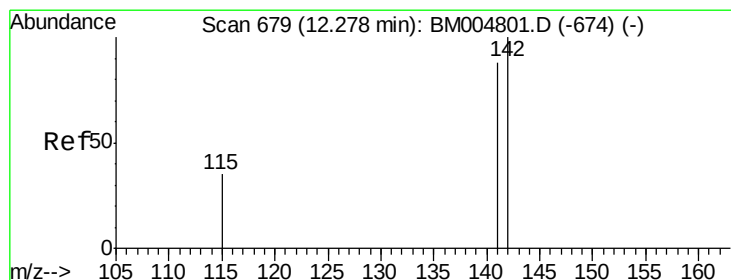
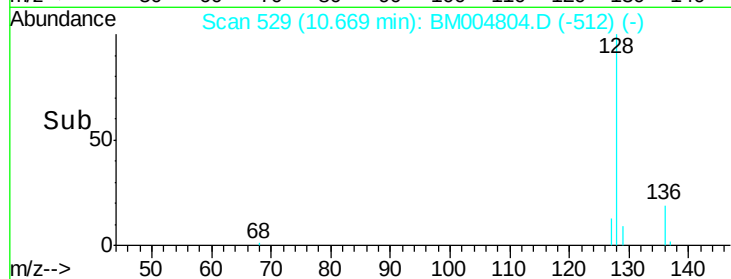
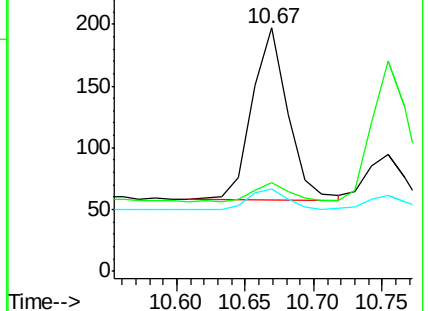
127 34.0 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

Lab File: BM004804.D

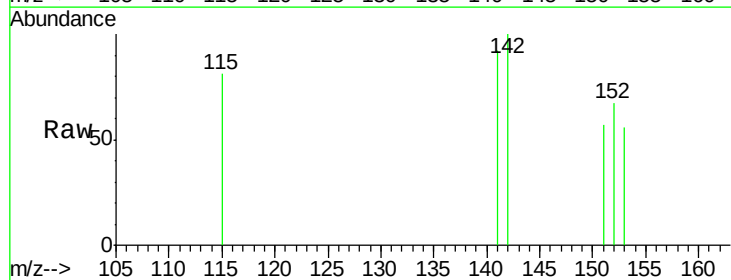
Acq: 28 Mar 2016 13:31

Tgt Ion:142 Resp: 94

Ion Ratio Lower Upper

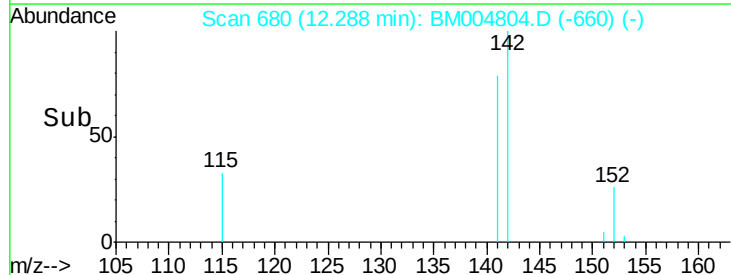
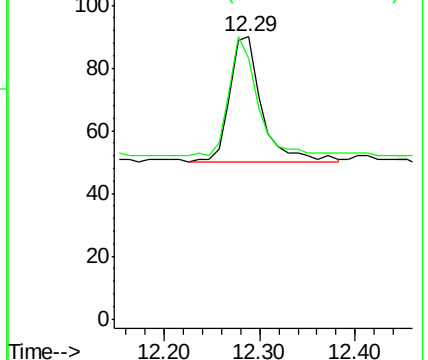
142 100

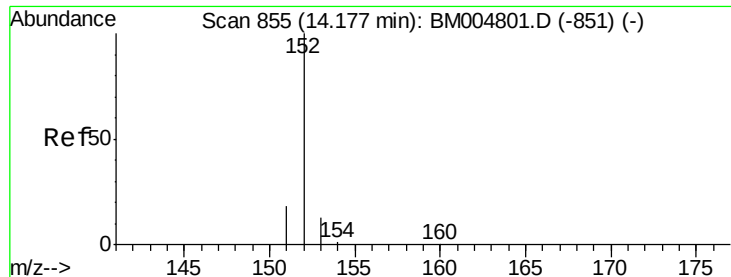
141 86.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

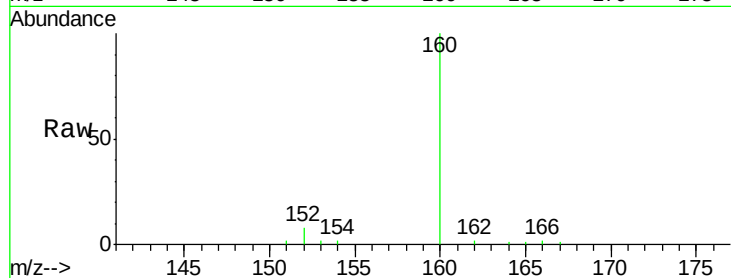
Tgt Ion:152 Resp: 463

Ion Ratio Lower Upper

152 100

151 32.2 17.6 26.4#

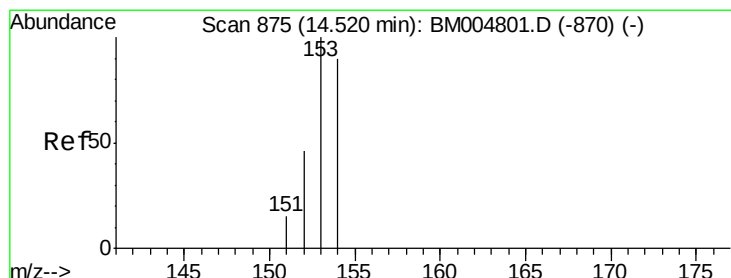
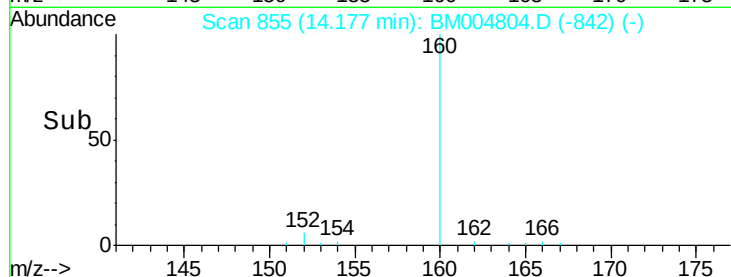
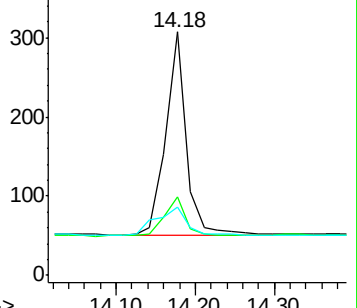
153 28.3 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

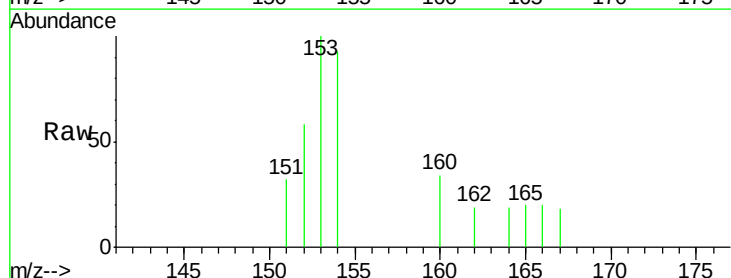
Tgt Ion:153 Resp: 345

Ion Ratio Lower Upper

153 100

152 58.3 33.9 50.9#

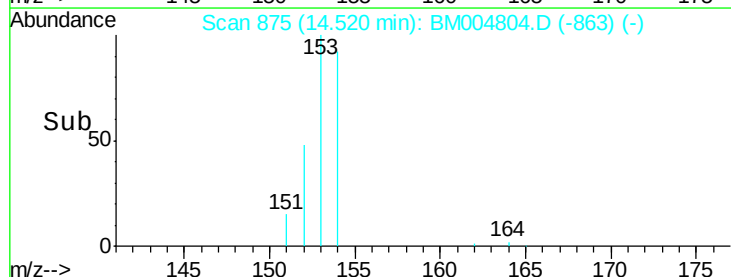
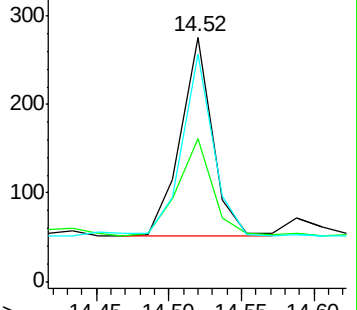
154 93.1 80.6 121.0

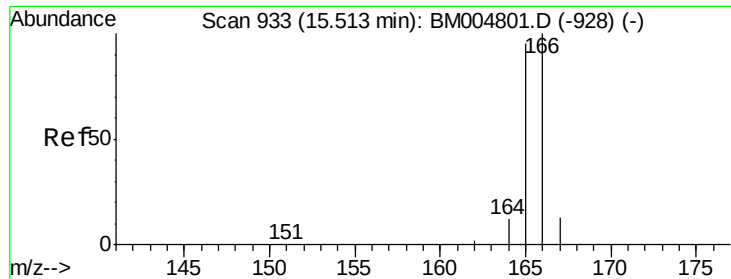


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

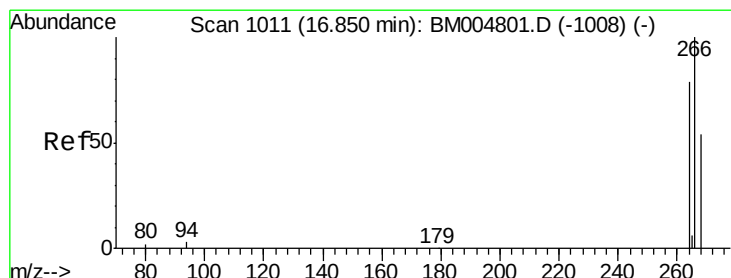
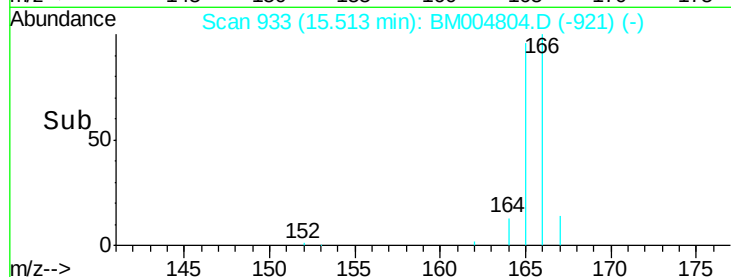
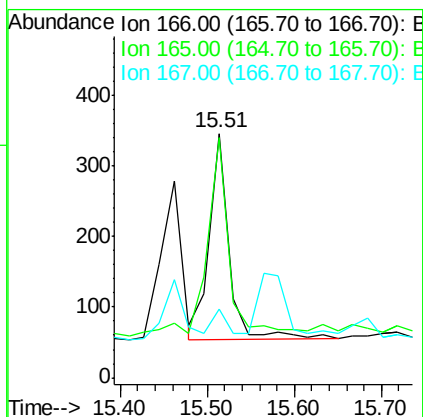
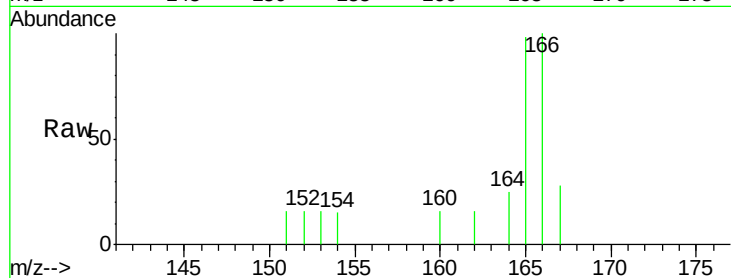




#11
 Fluorene
 Concen: 0.05 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004804.D
 Acq: 28 Mar 2016 13:31

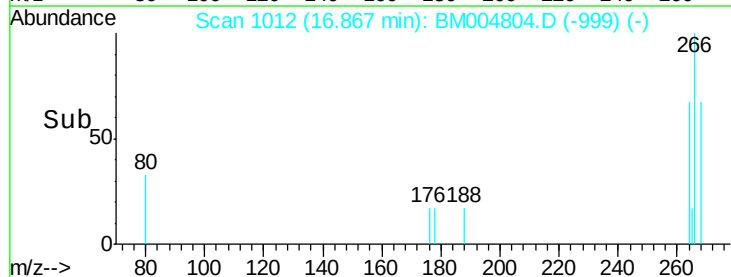
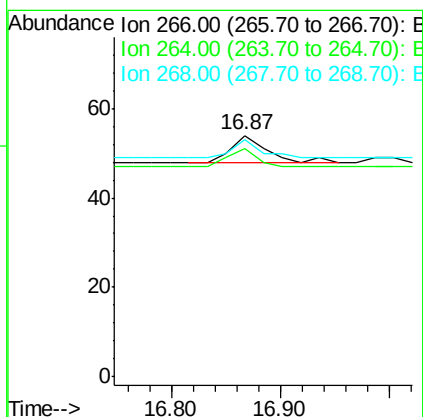
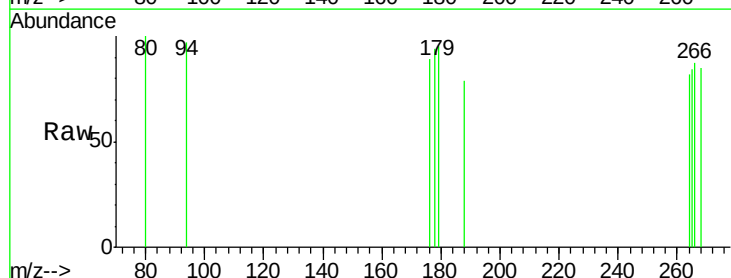
Instrument :
 BNA_M
 ClientSampleId :
 A4T50DL

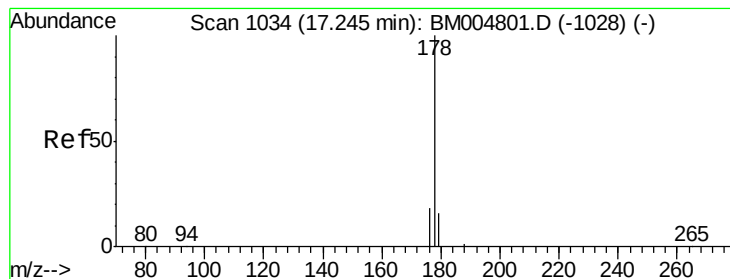
Tgt Ion:166 Resp: 458
 Ion Ratio Lower Upper
 166 100
 165 98.3 69.6 104.4
 167 28.0 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004804.D
 Acq: 28 Mar 2016 13:31

Tgt Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 264 53.8 51.8 77.8
 268 53.8 46.8 70.2





#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

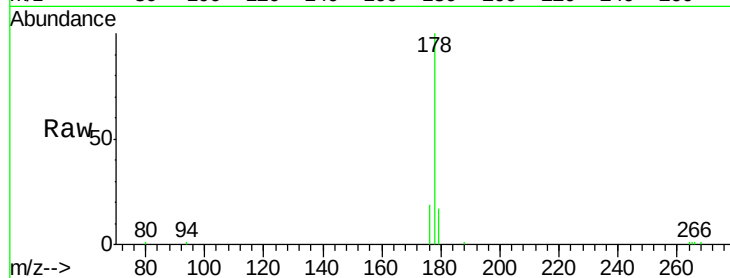
Tgt Ion:178 Resp: 8851

Ion Ratio Lower Upper

178 100

176 18.6 13.0 19.4

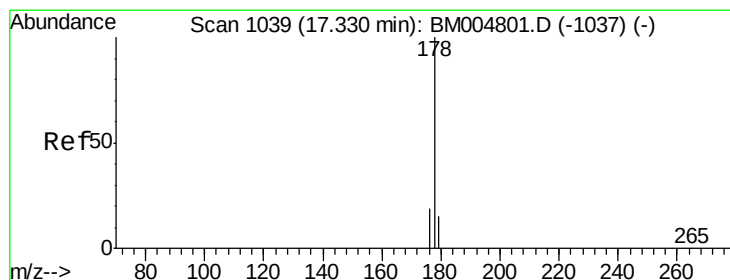
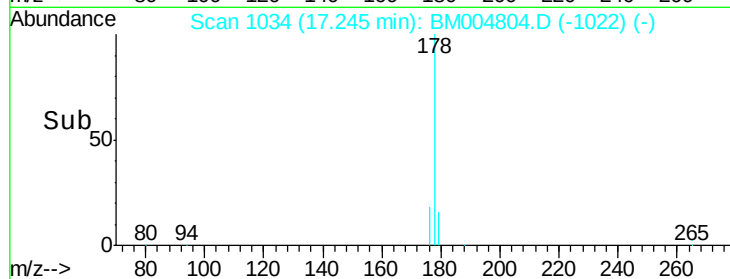
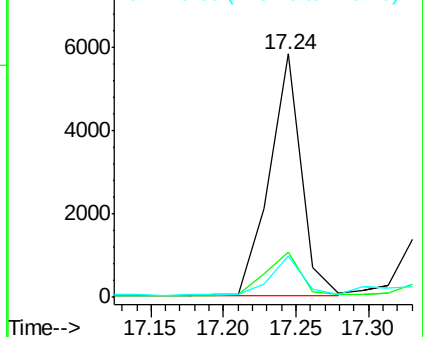
179 16.9 14.2 21.2



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

Anthracene

Concen: 0.00 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

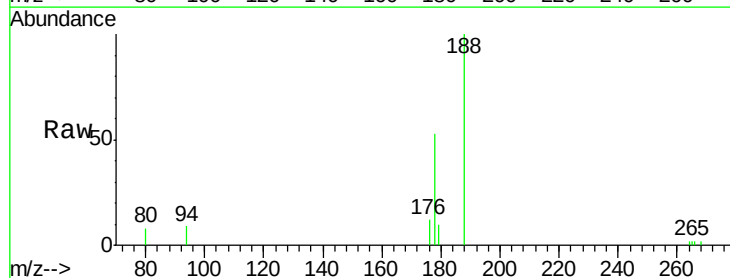
Tgt Ion:178 Resp: 2251

Ion Ratio Lower Upper

178 100

176 22.1 14.0 21.0#

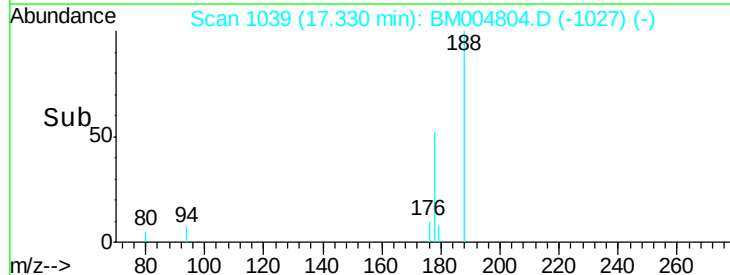
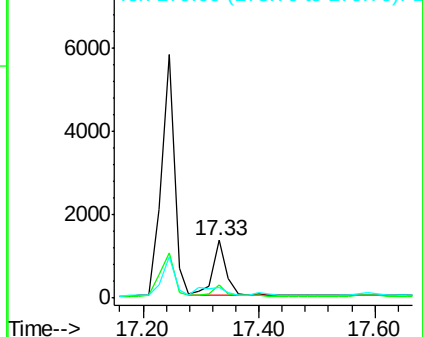
179 19.1 12.9 19.3

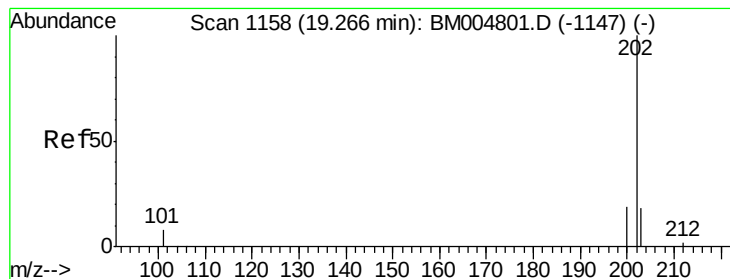


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

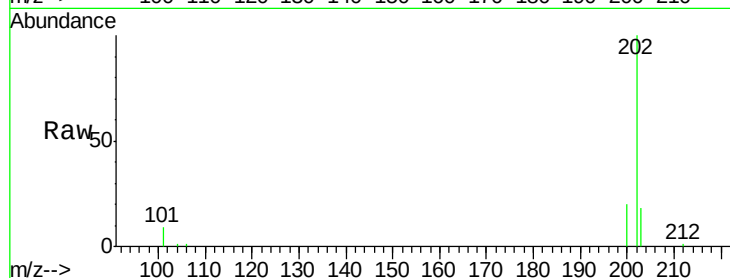
Tgt Ion:202 Resp: 14196

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

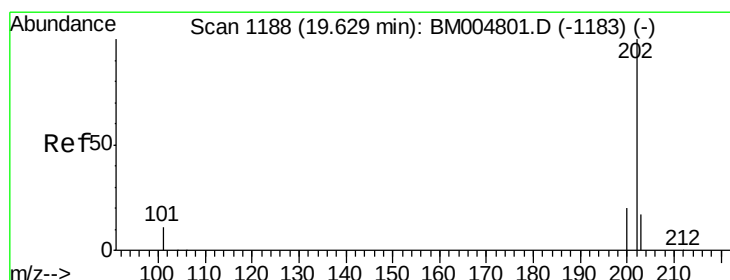
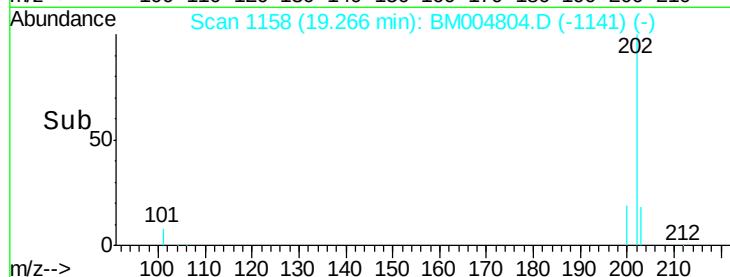
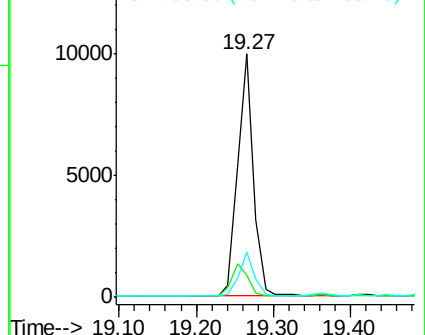
203 18.4 0.0 36.3



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



#19

Pyrene

Concen: 0.81 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

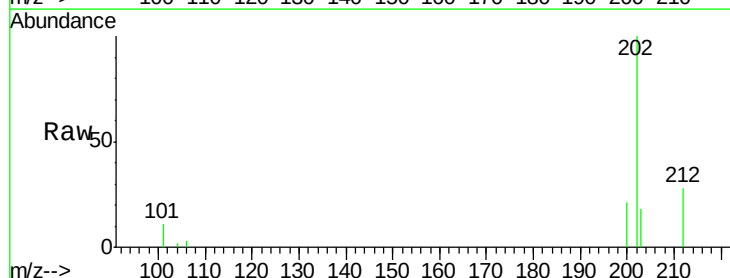
Tgt Ion:202 Resp: 15014

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.8

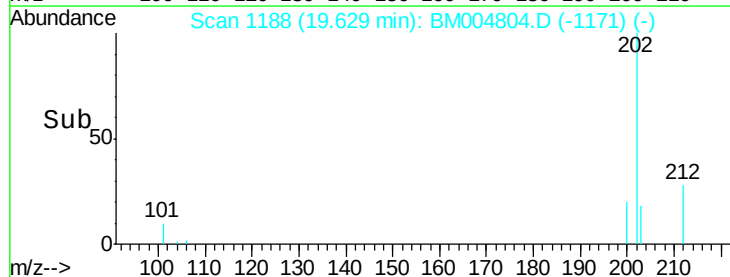
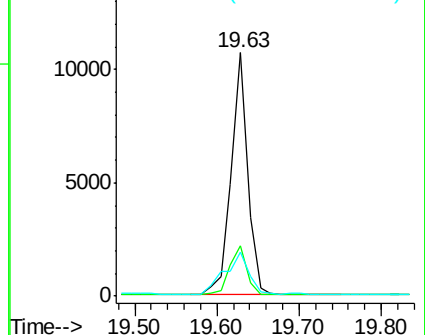
203 18.3 12.8 19.2

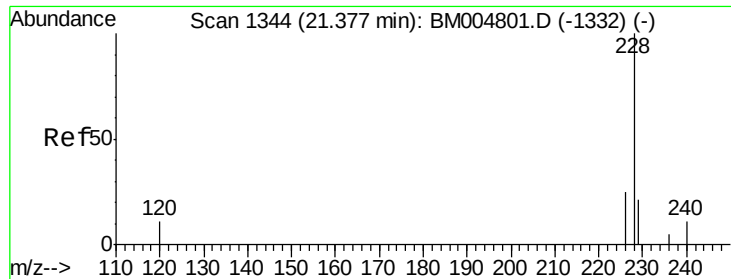


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.47 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

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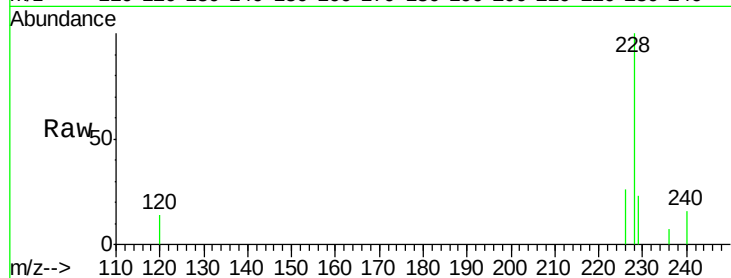
Tgt Ion:228 Resp: 7813

Ion Ratio Lower Upper

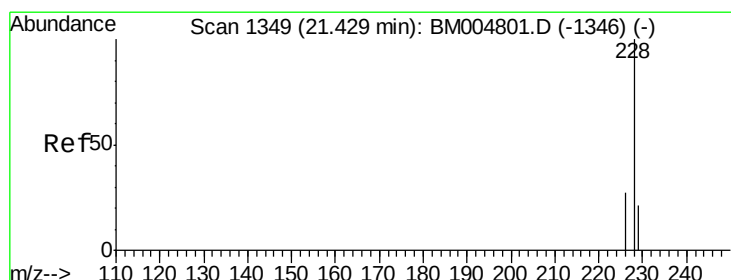
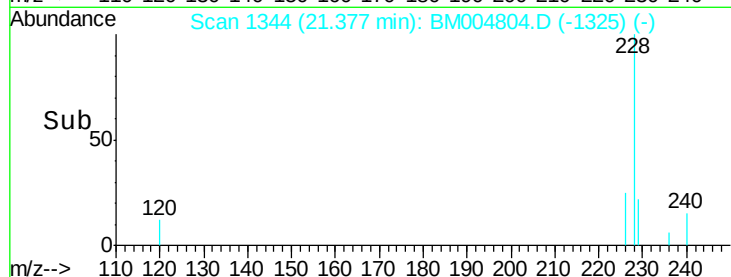
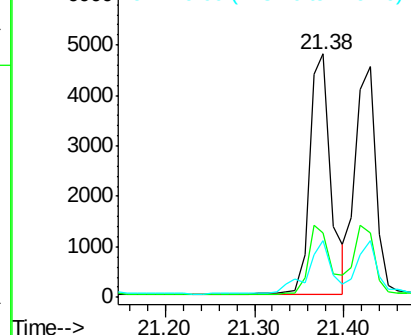
228 100

226 26.5 18.8 28.2

229 23.2 17.1 25.7



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

Chrysene

Concen: 0.45 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

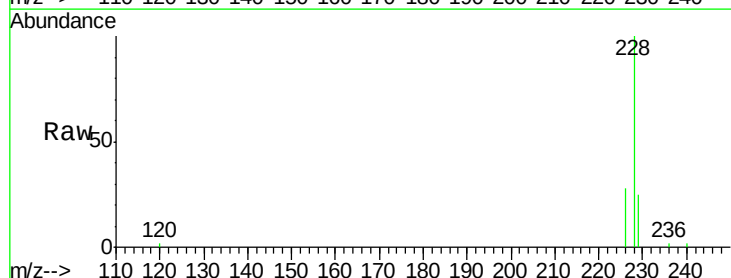
Tgt Ion:228 Resp: 7171

Ion Ratio Lower Upper

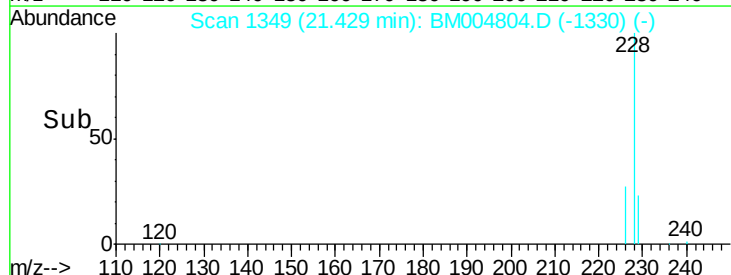
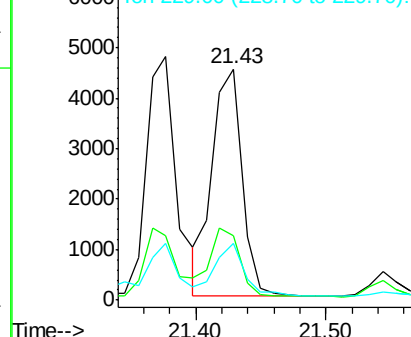
228 100

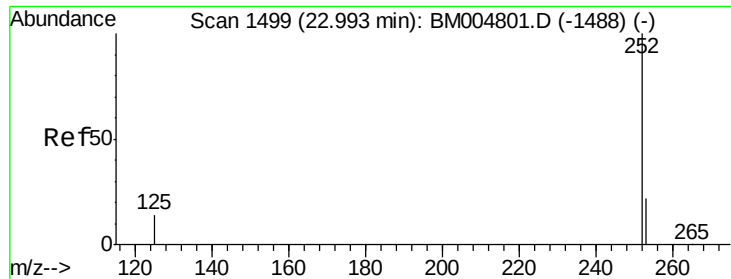
226 27.8 21.2 31.8

229 24.7 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

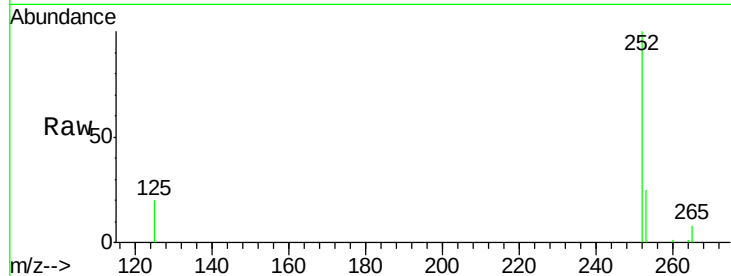
Tgt Ion:252 Resp: 9704

Ion Ratio Lower Upper

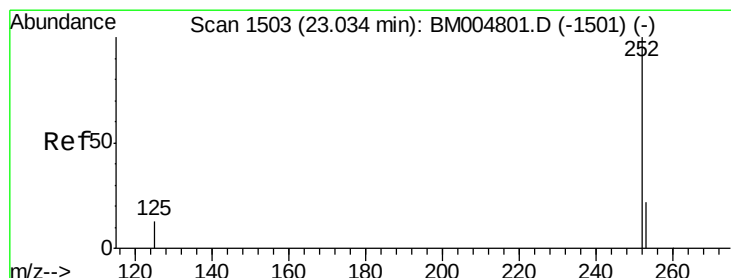
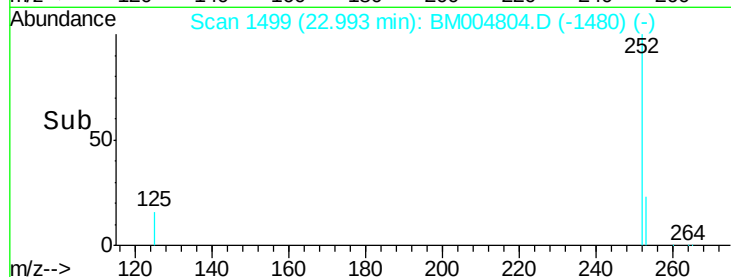
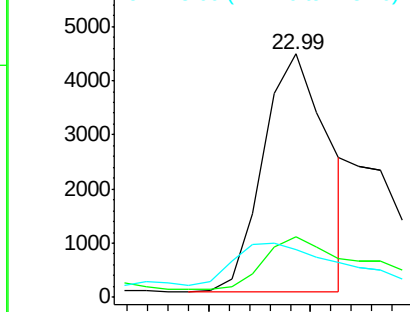
252 100

253 25.1 0.0 45.4

125 19.7 0.0 28.8



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

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

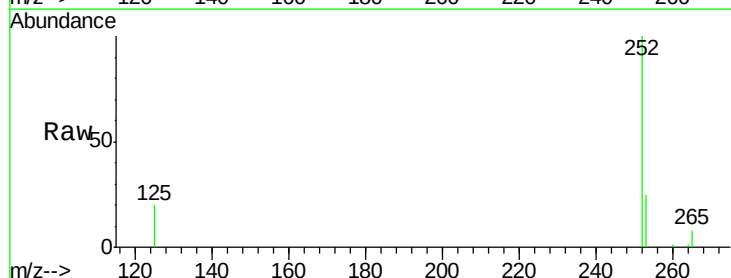
Tgt Ion:252 Resp: 13616

Ion Ratio Lower Upper

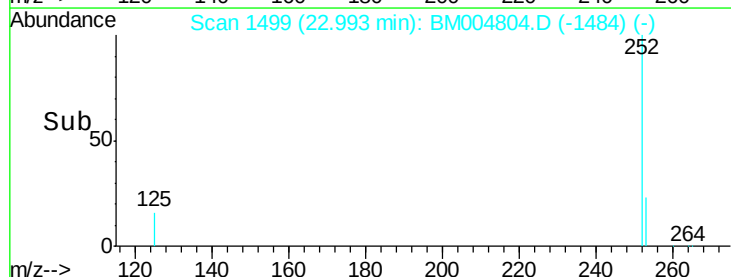
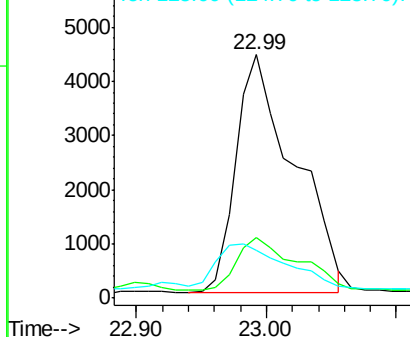
252 100

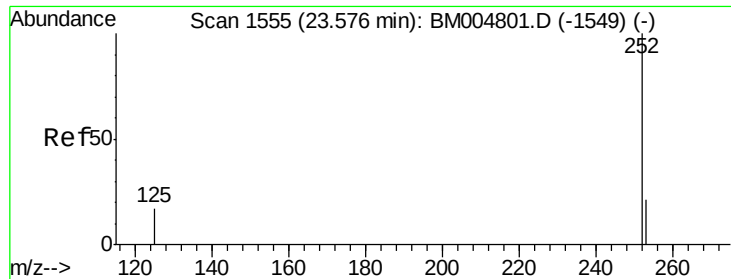
253 25.1 19.8 29.8

125 19.7 10.4 15.6#



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





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.48 min Scan# 1546

Delta R.T. -0.09 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

Instrument :

BNA_M

ClientSampleId :

A4T50DL

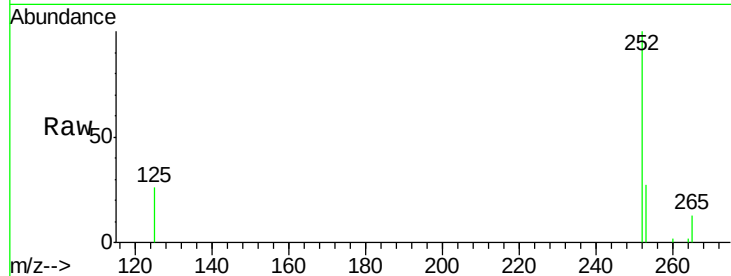
Tgt Ion:252 Resp: 5136

Ion Ratio Lower Upper

252 100

253 26.8 19.4 29.2

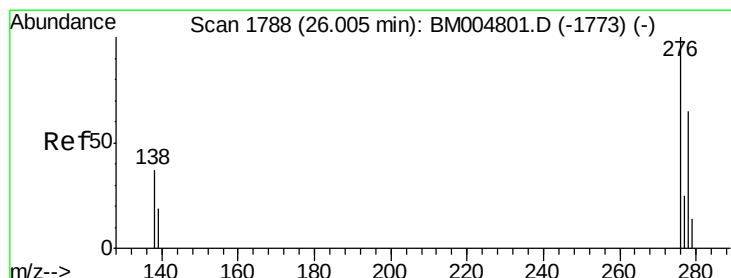
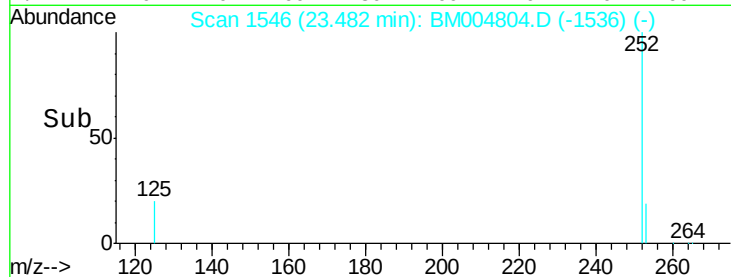
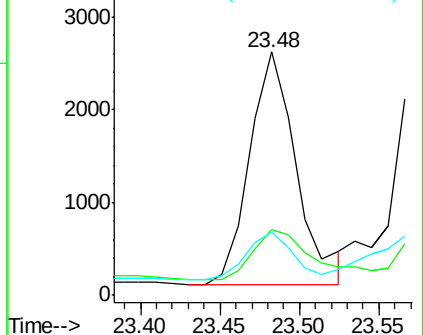
125 26.1 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.75 min Scan# 1764

Delta R.T. -0.25 min

Lab File: BM004804.D

Acq: 28 Mar 2016 13:31

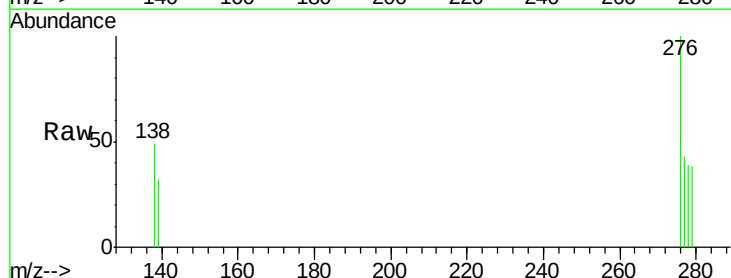
Tgt Ion:276 Resp: 456

Ion Ratio Lower Upper

276 100

138 24.8 16.3 24.5#

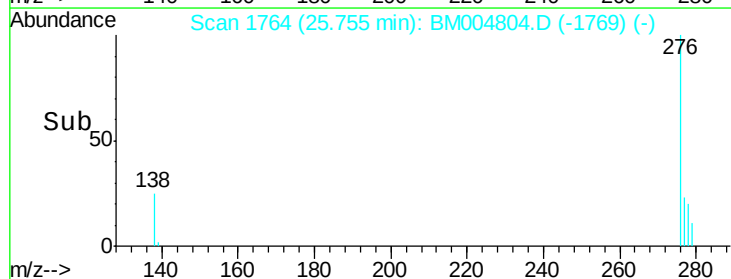
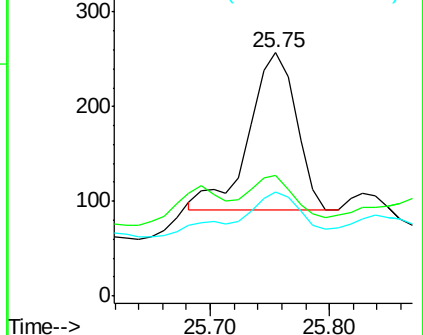
277 23.2 19.8 29.8

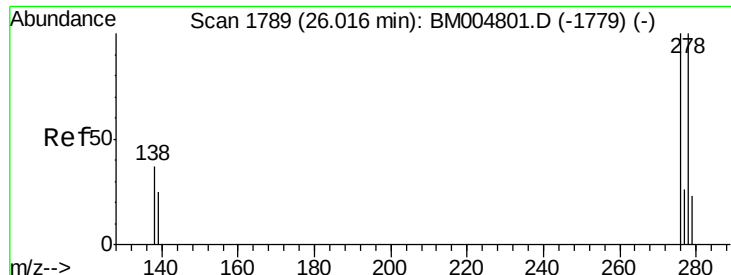


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.91 min Scan# 1779
Delta R.T. -0.10 min
Lab File: BM004804.D
Acq: 28 Mar 2016 13:31

Instrument :
BNA_M
ClientSampleId :
A4T50DL

Tgt Ion: 278 Resp: 265
Ion Ratio Lower Upper
278 100
139 82.7 16.4 24.6#
279 71.2 20.2 30.2#

