

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006340.D
 Acq On : 08 Jul 2016 04:19
 Operator : UM/SJ
 Sample : H3811-16DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW4DL

Quant Time: Jul 08 08:22:38 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 08:04:54 2016
 Response via : Initial Calibration

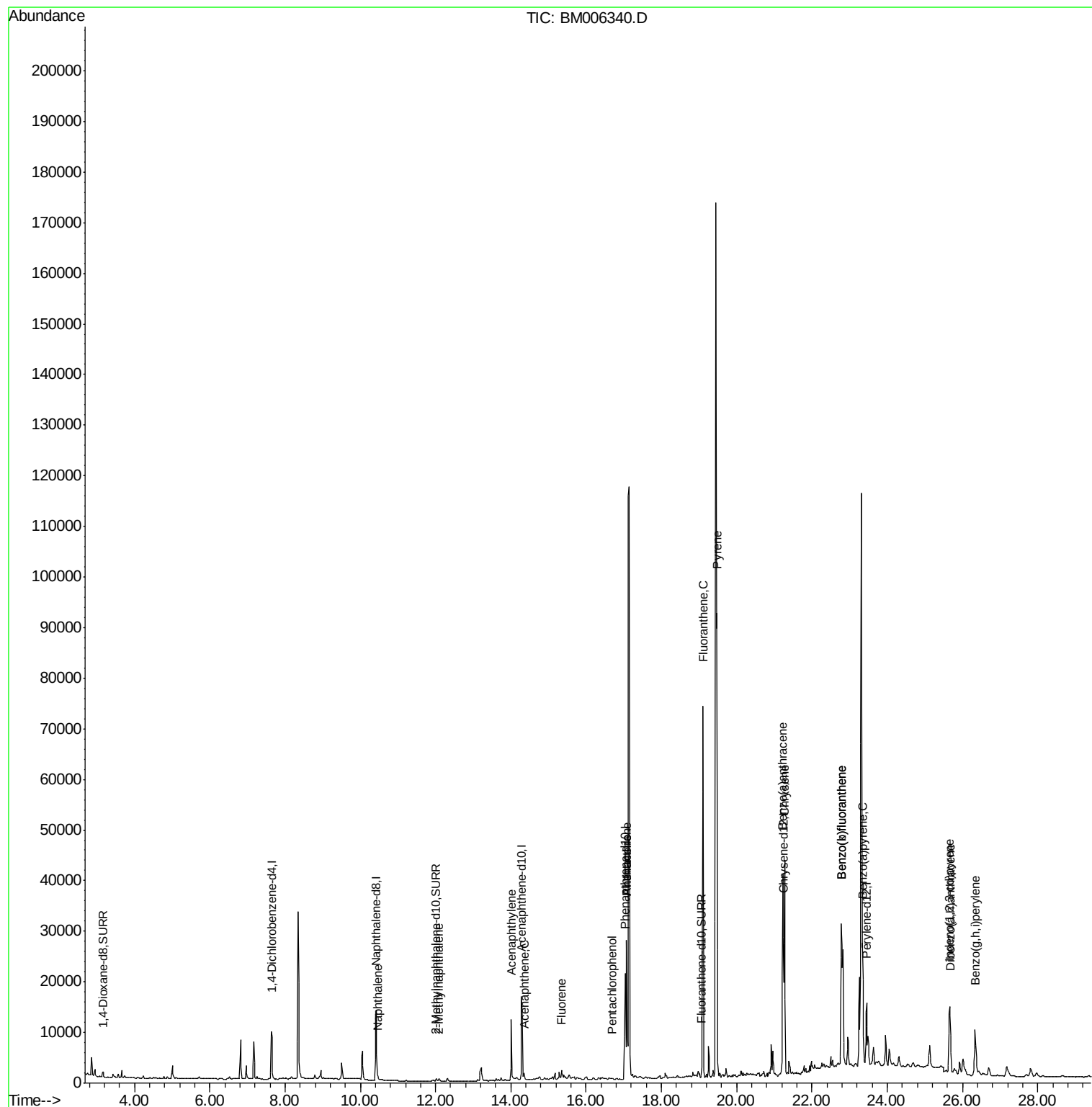
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5913	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	22575	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	12354	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	26711	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	17731	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	16145	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	899	0.36	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	882	0.03	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	4183	0.07	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	946	0.02	ng/ul#	71
7) 2-Methylnaphthalene	12.09	142	445	0.01	ng/ul	97
9) Acenaphthylene	14.01	152	7413	0.18	ng/ul#	92
10) Acenaphthene	14.35	153	798	0.02	ng/ul#	86
11) Fluorene	15.34	166	1647	0.04	ng/ul#	83
13) Pentachlorophenol	16.70	266	41	0.01	ng/ul	93
14) Phenanthrene	17.07	178	30176	0.41	ng/ul#	92
15) Anthracene	17.07	178	30126	0.44	ng/ul	96
17) Fluoranthene	19.11	202	76610	0.94	ng/ul	94
19) Pyrene	19.47	202	84995	1.14	ng/ul	95
20) Benzo(a)anthracene	21.22	228	34159	0.60	ng/ul#	90
21) Chrysene	21.27	228	39657	0.70	ng/ul	96
23) Benzo(b)fluoranthene	22.78	252	58785	1.02	ng/ul	86
24) Benzo(k)fluoranthene	22.78	252	58785	1.09	ng/ul#	87
25) Benzo(a)pyrene	23.35	252	31219	0.58	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	25.66	276	23439	0.39	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.67	278	5440	0.12	ng/ul#	65
28) Benzo(g,h,i)perylene	26.34	276	19783	0.39	ng/ul	95

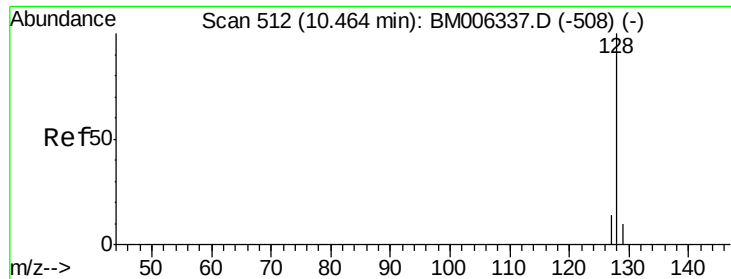
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

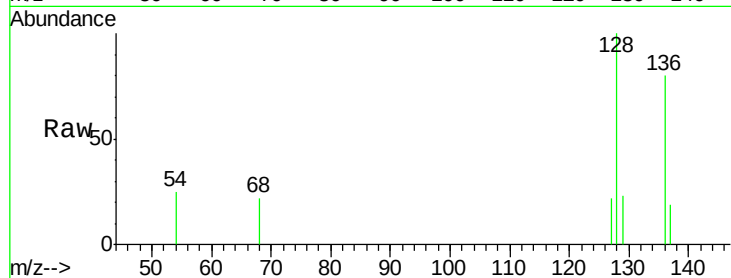
Tgt Ion:128 Resp: 946

Ion Ratio Lower Upper

128 100

129 23.0 9.0 13.6#

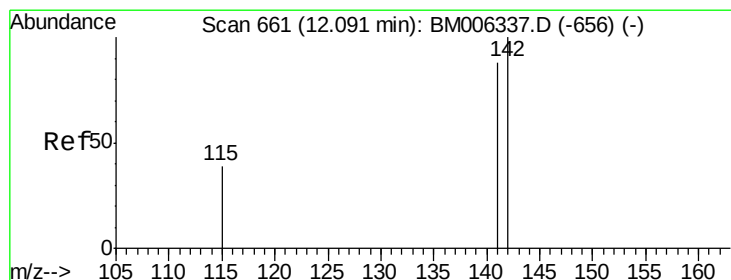
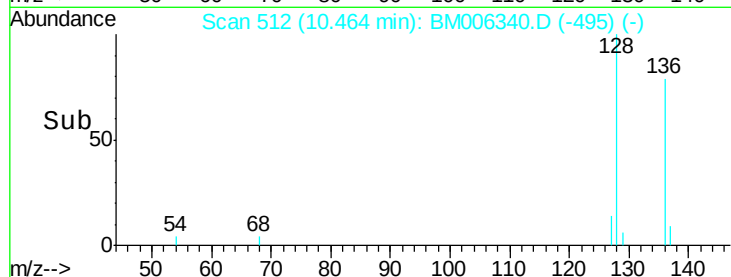
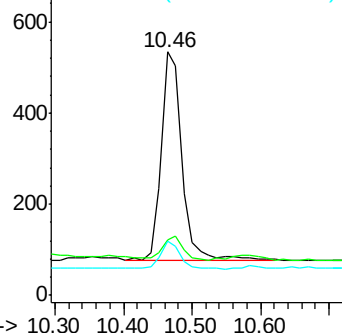
127 22.5 9.6 14.4#



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: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006340.D

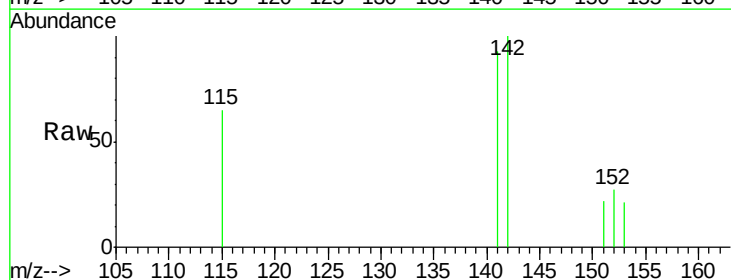
Acq: 08 Jul 2016 04:19

Tgt Ion:142 Resp: 445

Ion Ratio Lower Upper

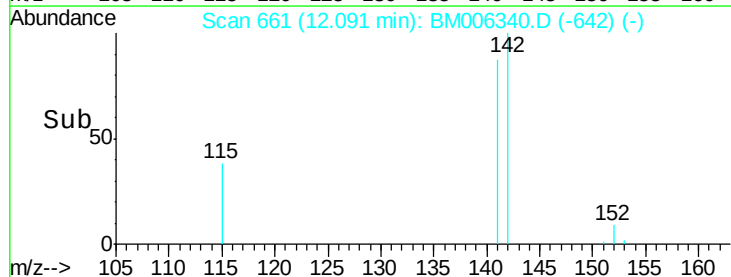
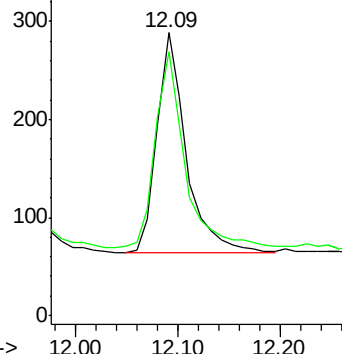
142 100

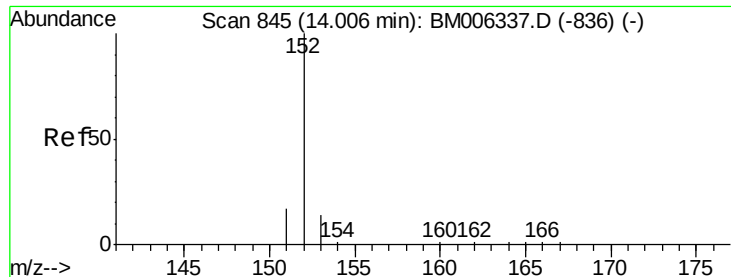
141 90.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

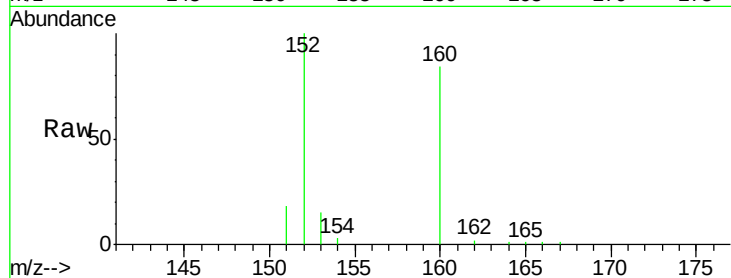
Tgt Ion:152 Resp: 7413

Ion Ratio Lower Upper

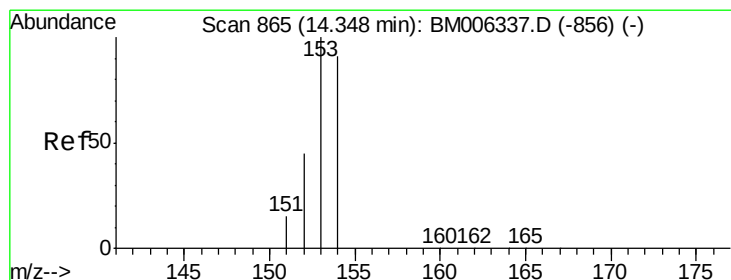
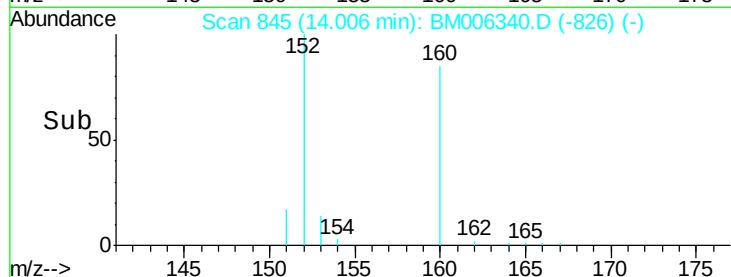
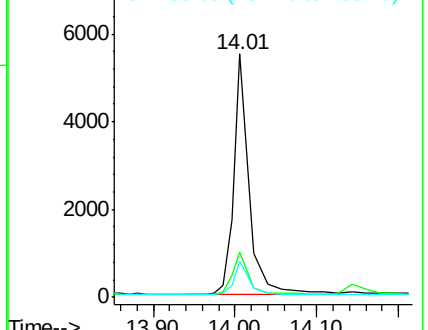
152 100

151 18.5 17.6 26.4

153 15.1 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: 0.02 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

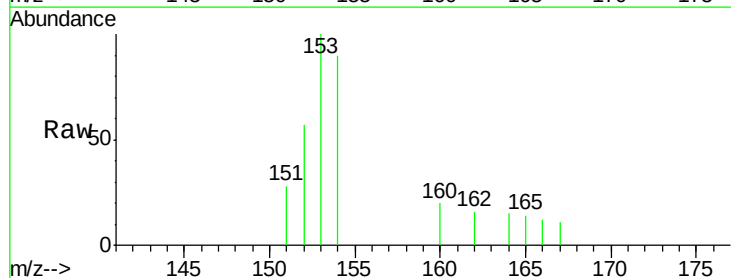
Tgt Ion:153 Resp: 798

Ion Ratio Lower Upper

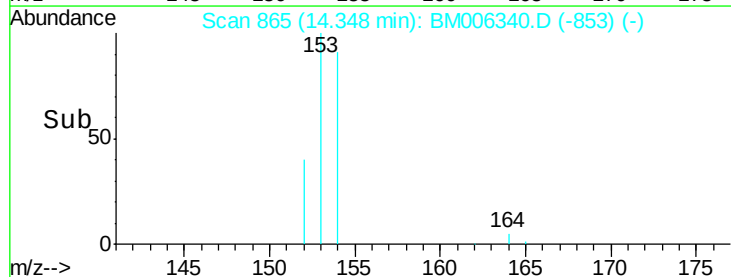
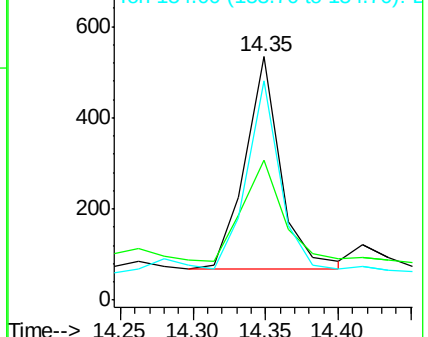
153 100

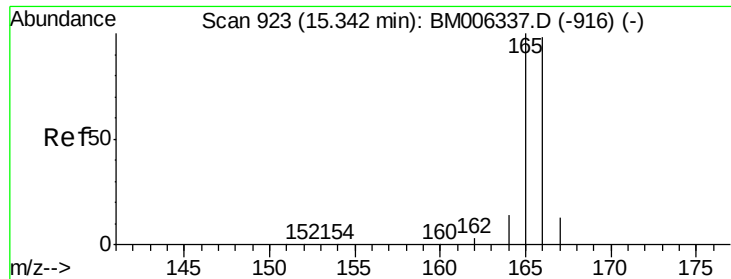
152 57.3 33.9 50.9#

154 90.3 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

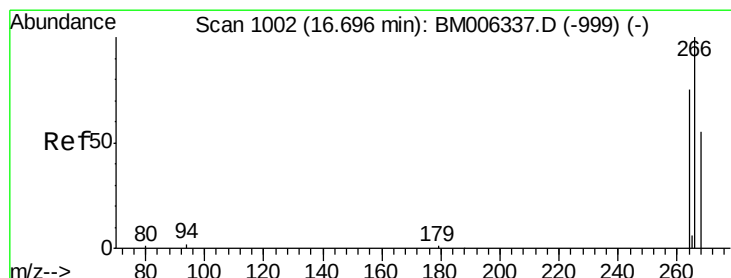
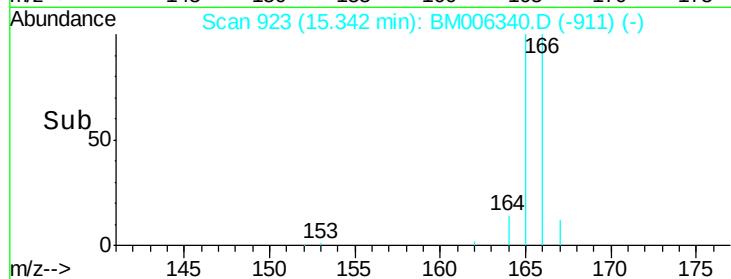
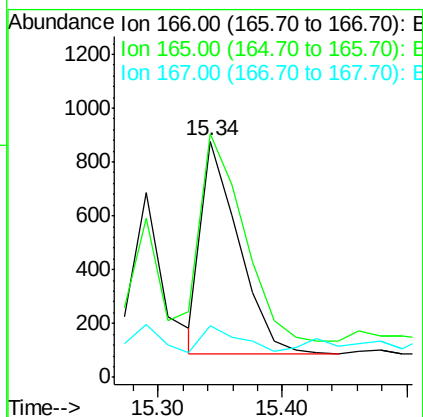
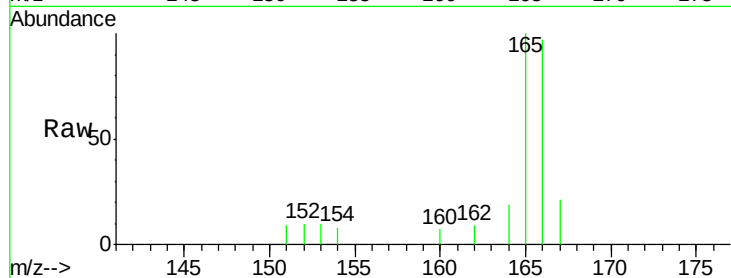




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BM006340.D
 Acq: 08 Jul 2016 04:19

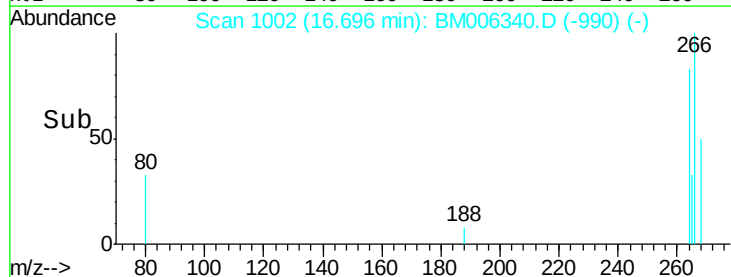
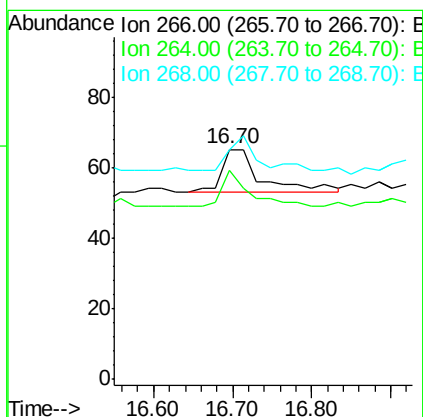
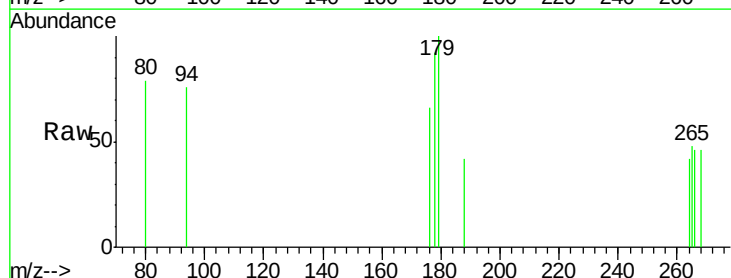
Instrument :
 BNA_M
 ClientSampleId :
 A4TW4DL

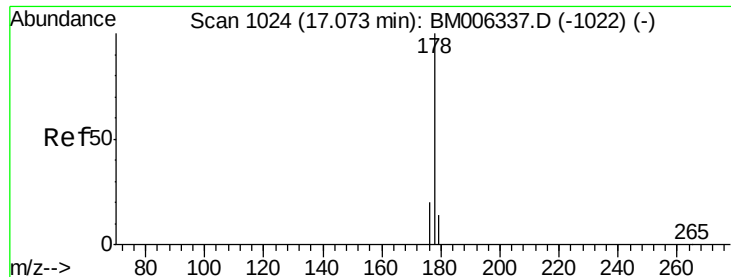
Tgt Ion:166 Resp: 1647
 Ion Ratio Lower Upper
 166 100
 165 103.1 69.6 104.4
 167 21.8 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BM006340.D
 Acq: 08 Jul 2016 04:19

Tgt Ion:266 Resp: 41
 Ion Ratio Lower Upper
 266 100
 264 56.1 51.8 77.8
 268 61.0 46.8 70.2

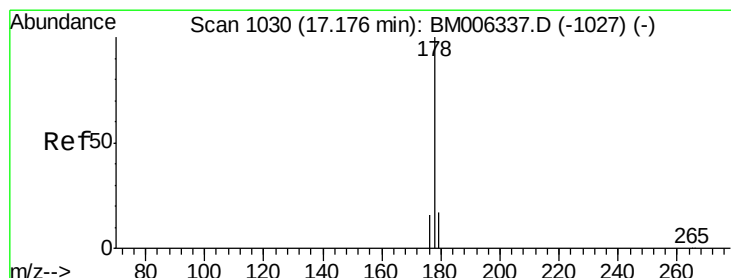
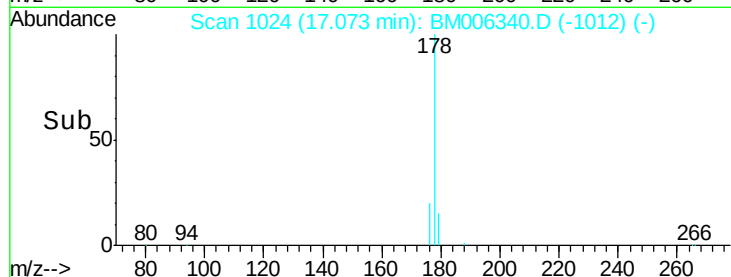
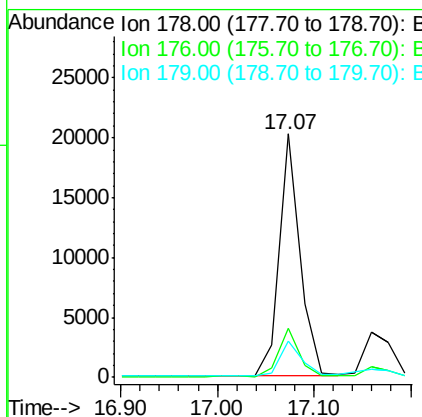
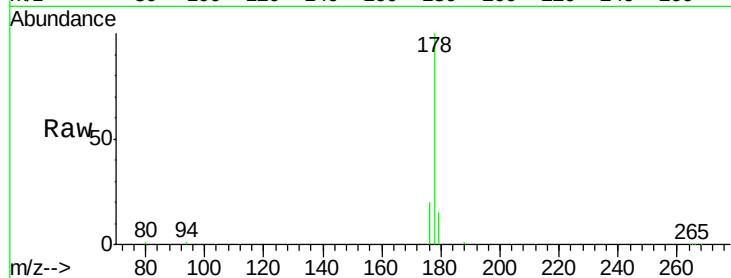




#14
Phenanthrene
Concen: 0.41 ng/ul
RT: 17.07 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

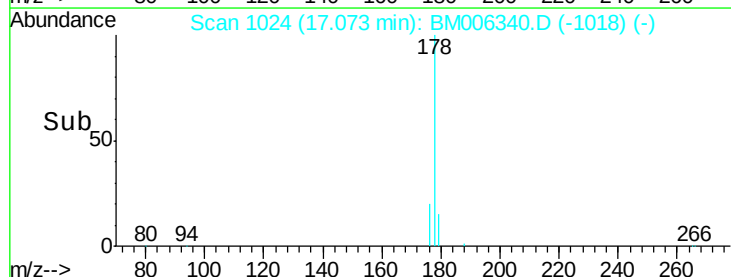
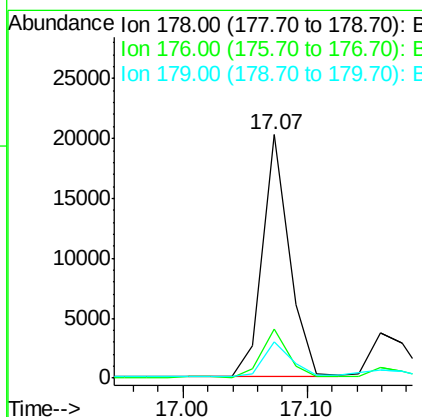
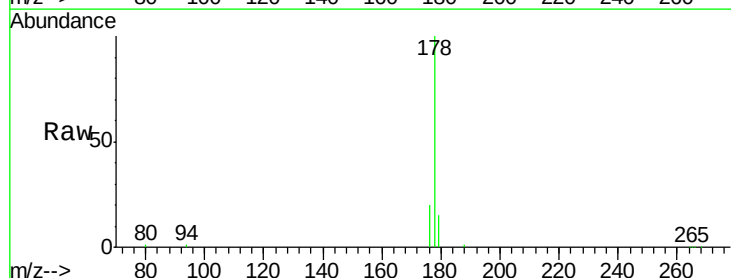
Instrument :
BNA_M
ClientSampleId :
A4TW4DL

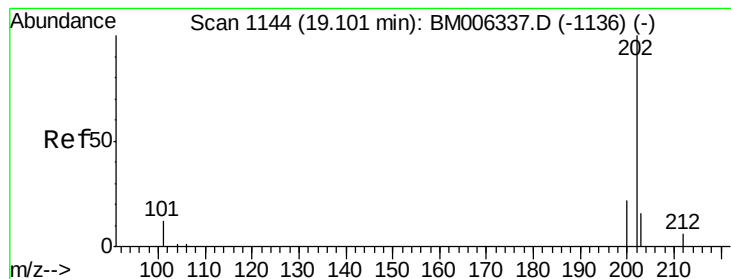
Tgt Ion:178 Resp: 30176
Ion Ratio Lower Upper
178 100
176 20.2 13.0 19.4#
179 15.1 14.2 21.2



#15
Anthracene
Concen: 0.44 ng/ul
RT: 17.07 min Scan# 1024
Delta R.T. -0.10 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Tgt Ion:178 Resp: 30126
Ion Ratio Lower Upper
178 100
176 20.2 14.0 21.0
179 15.1 12.9 19.3





#17

Fluoranthene

Concen: 0.94 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

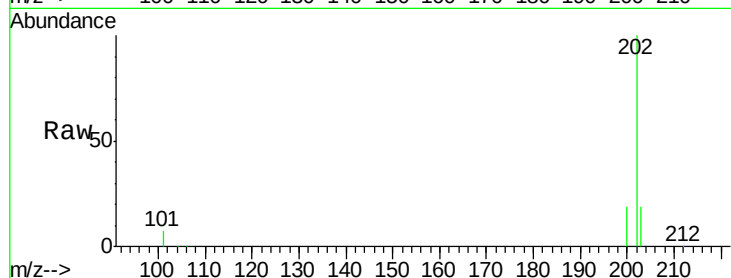
Tgt Ion:202 Resp: 76610

Ion Ratio Lower Upper

202 100

101 6.8 0.0 29.6

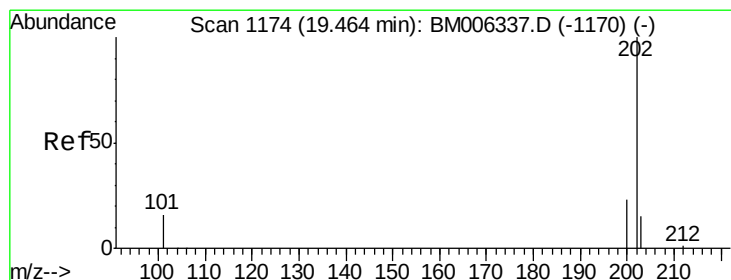
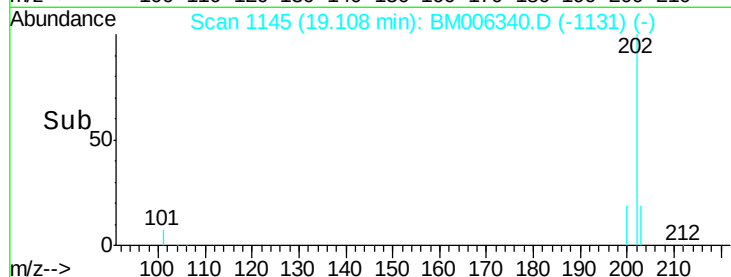
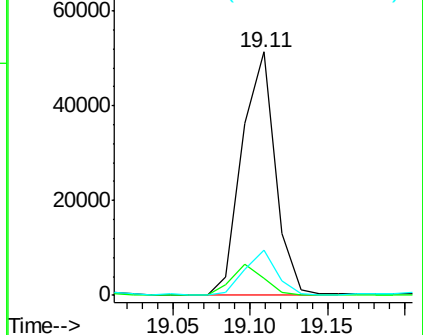
203 18.7 0.0 36.3



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: 1.14 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

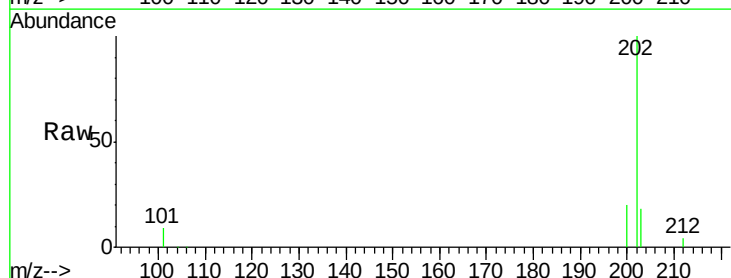
Tgt Ion:202 Resp: 84995

Ion Ratio Lower Upper

202 100

200 19.7 17.8 26.8

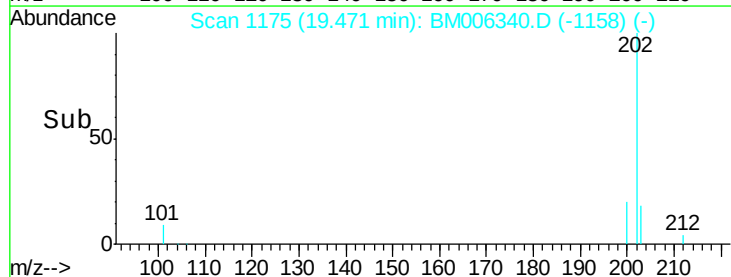
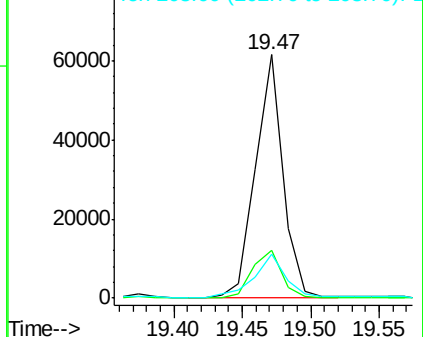
203 18.2 12.8 19.2

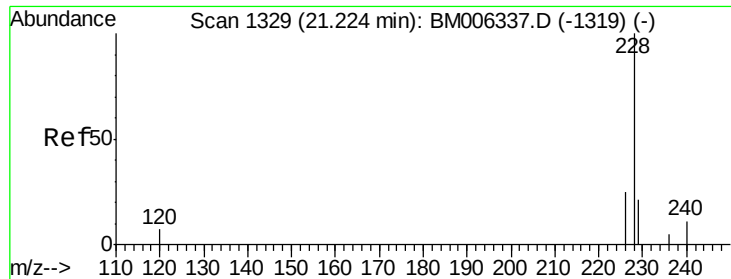


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.60 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

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A4TW4DL

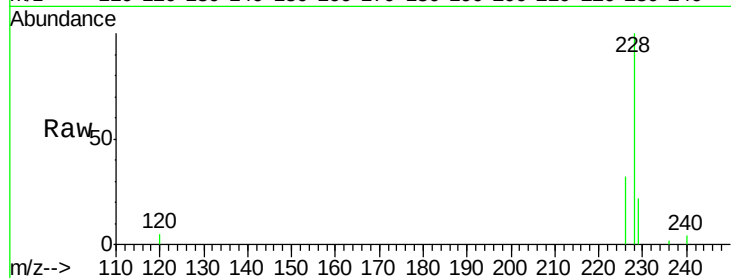
Tgt Ion:228 Resp: 34159

Ion Ratio Lower Upper

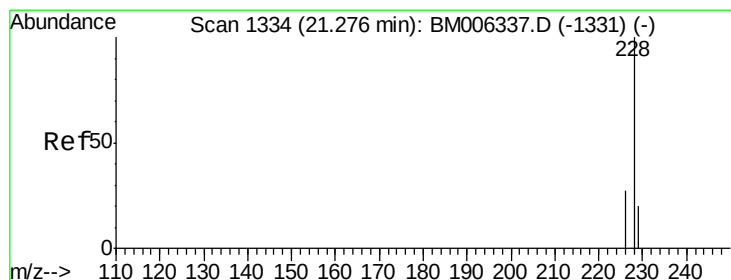
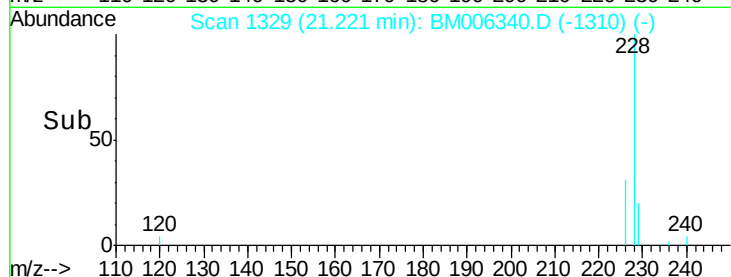
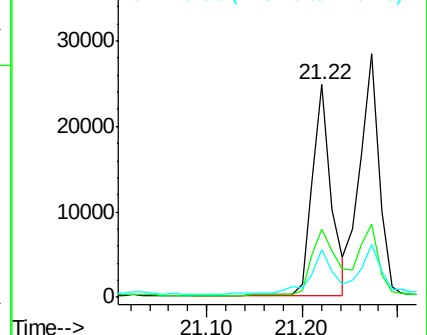
228 100

226 32.0 18.8 28.2#

229 22.3 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: 0.70 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

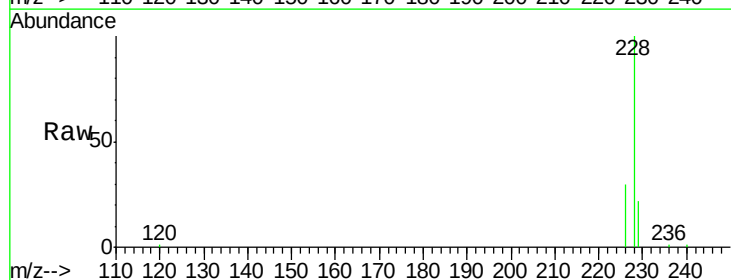
Tgt Ion:228 Resp: 39657

Ion Ratio Lower Upper

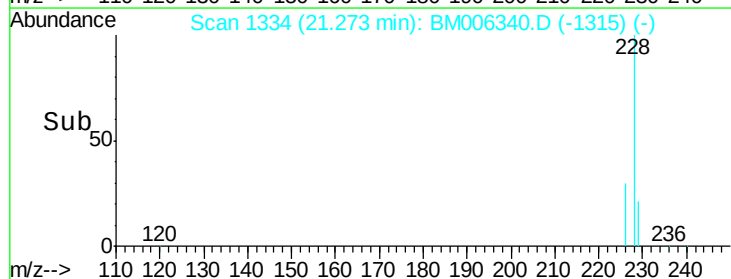
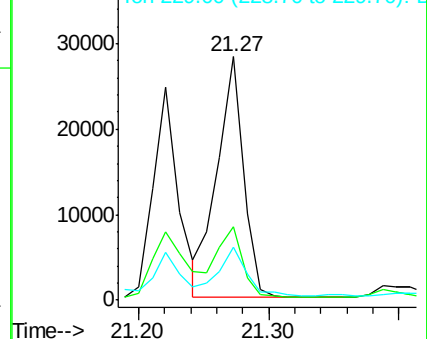
228 100

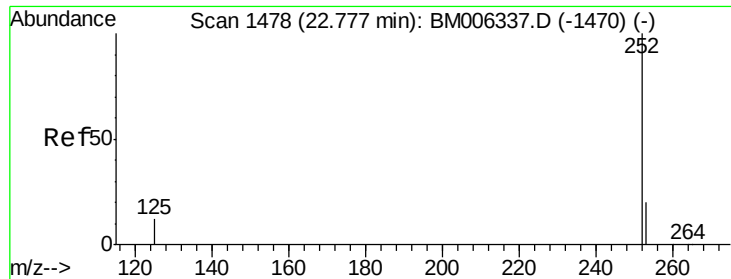
226 30.1 21.2 31.8

229 21.8 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: 1.02 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

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ClientSampleId :

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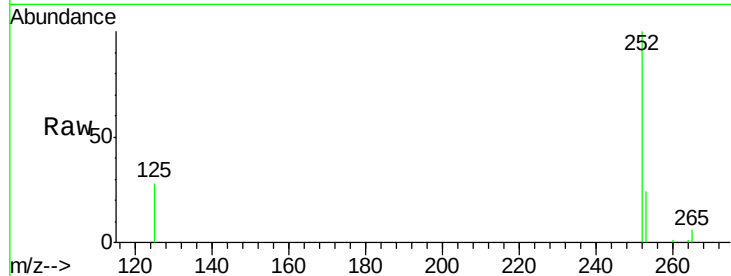
Tgt Ion:252 Resp: 58785

Ion Ratio Lower Upper

252 100

253 24.1 0.0 45.4

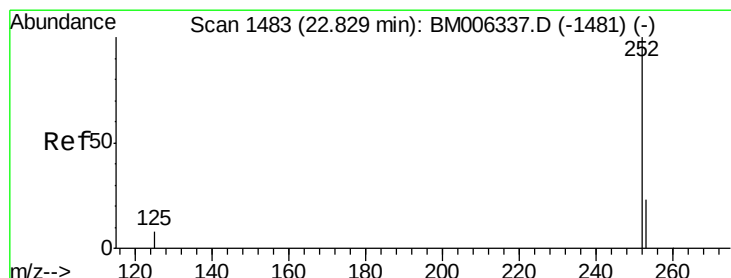
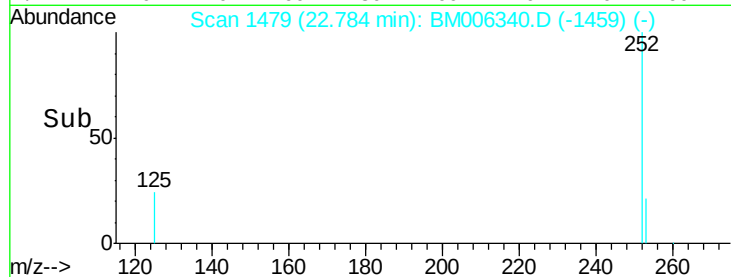
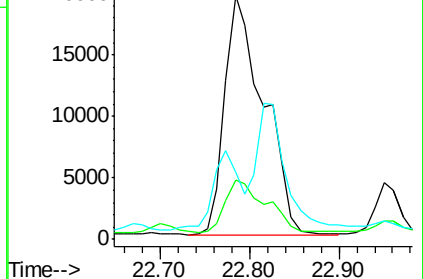
125 27.5 0.0 28.8



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: 1.09 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

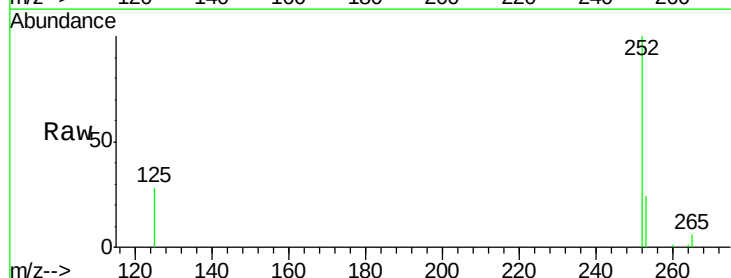
Tgt Ion:252 Resp: 58785

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.8

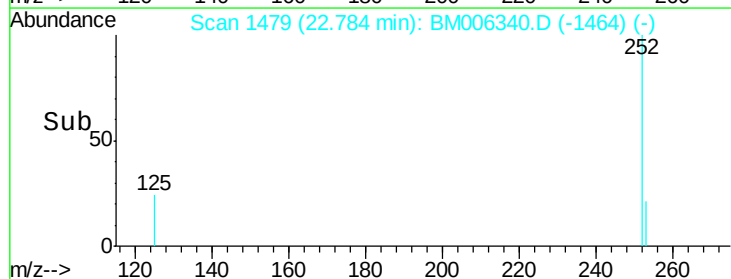
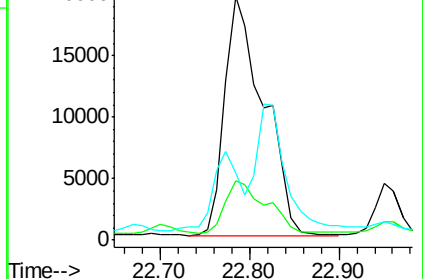
125 27.5 10.4 15.6#

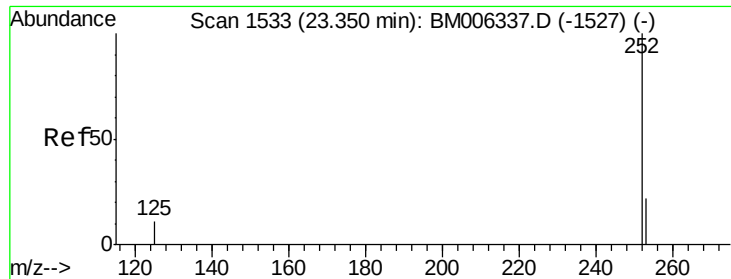


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.58 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

Instrument :

BNA_M

ClientSampleId :

A4TW4DL

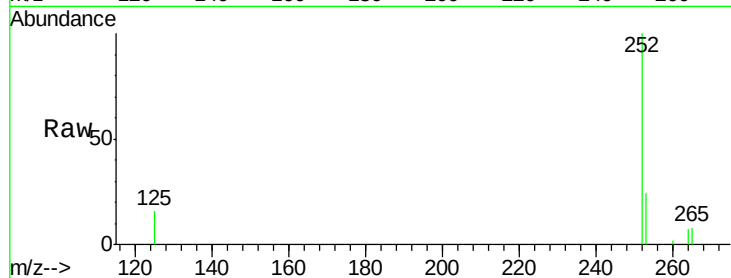
Tgt Ion:252 Resp: 31219

Ion Ratio Lower Upper

252 100

253 24.5 19.4 29.2

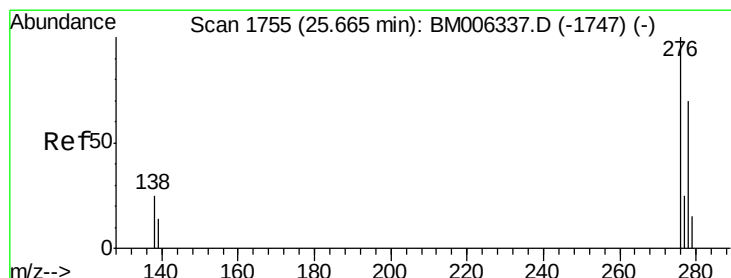
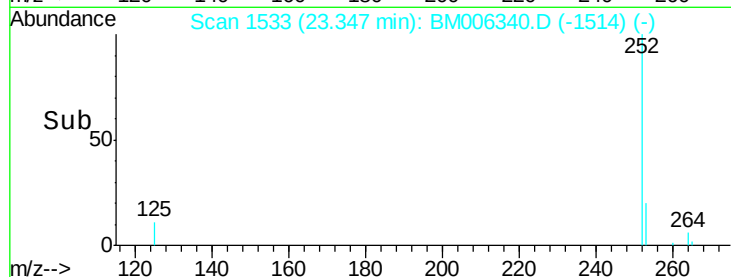
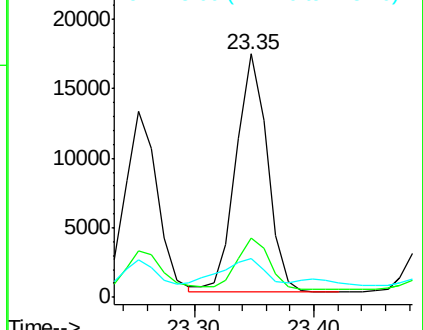
125 16.0 12.7 19.1



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: 0.39 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BM006340.D

Acq: 08 Jul 2016 04:19

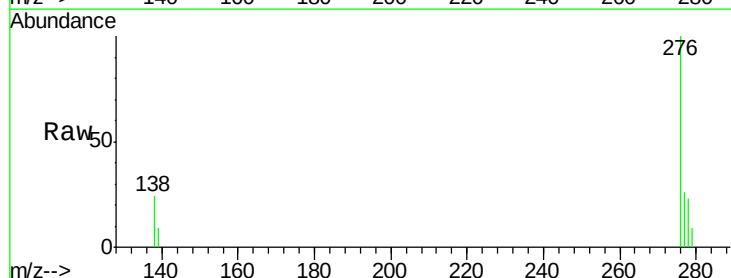
Tgt Ion:276 Resp: 23439

Ion Ratio Lower Upper

276 100

138 26.0 16.3 24.5#

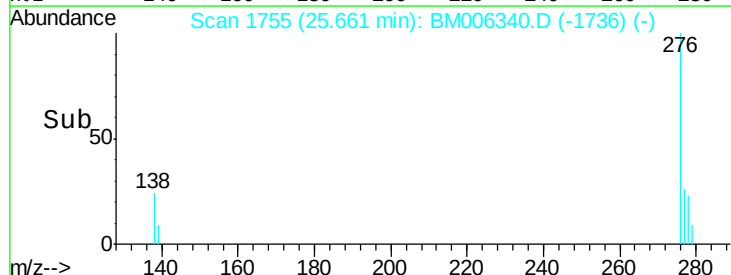
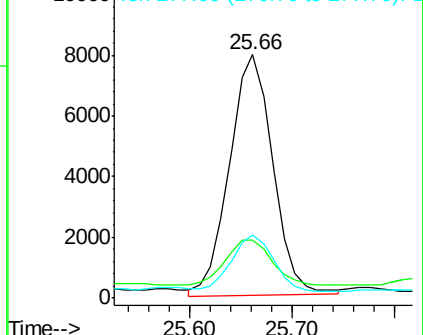
277 26.3 19.8 29.8

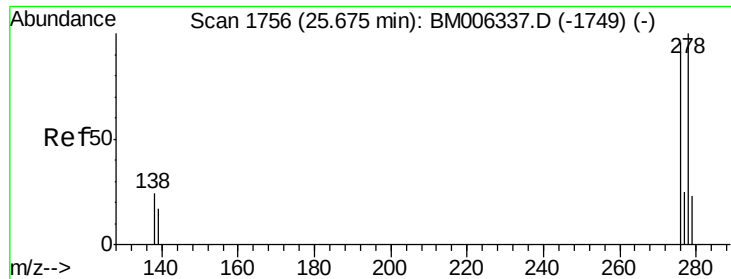


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

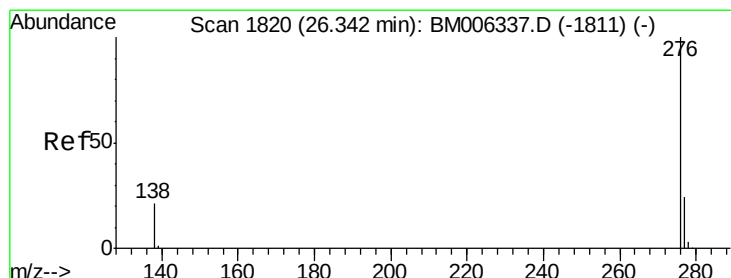
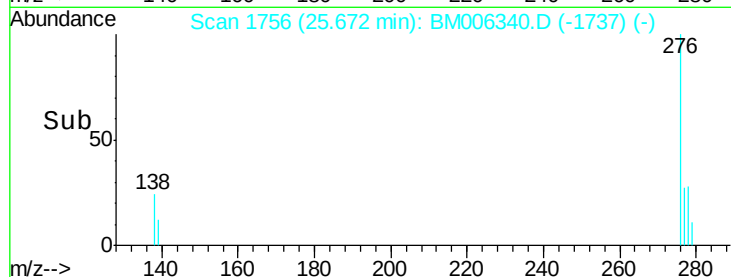
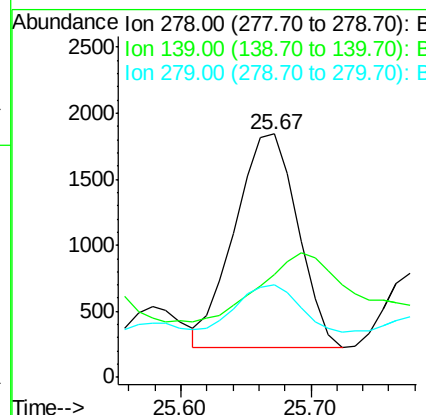
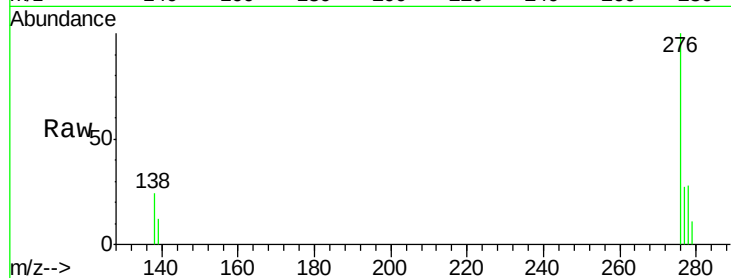




#27
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.67 min Scan# 1756
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Instrument :
BNA_M
ClientSampleId :
A4TW4DL

Tgt Ion: 278 Resp: 5440
Ion Ratio Lower Upper
278 100
139 42.5 16.4 24.6#
279 38.2 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BM006340.D
Acq: 08 Jul 2016 04:19

Tgt Ion: 276 Resp: 19783
Ion Ratio Lower Upper
276 100
277 25.6 18.9 28.3
138 25.2 22.5 33.7

