

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006330.D
 Acq On : 07 Jul 2016 21:42
 Operator : UM/SJ
 Sample : H3914-11MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TS1MS

Quant Time: Jul 08 03:47:11 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 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4810	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19325	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11187	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1426335	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	15447	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	954347	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2513	1.24	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	7641	0.34	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	16724	0.01	ng/ul	0.00

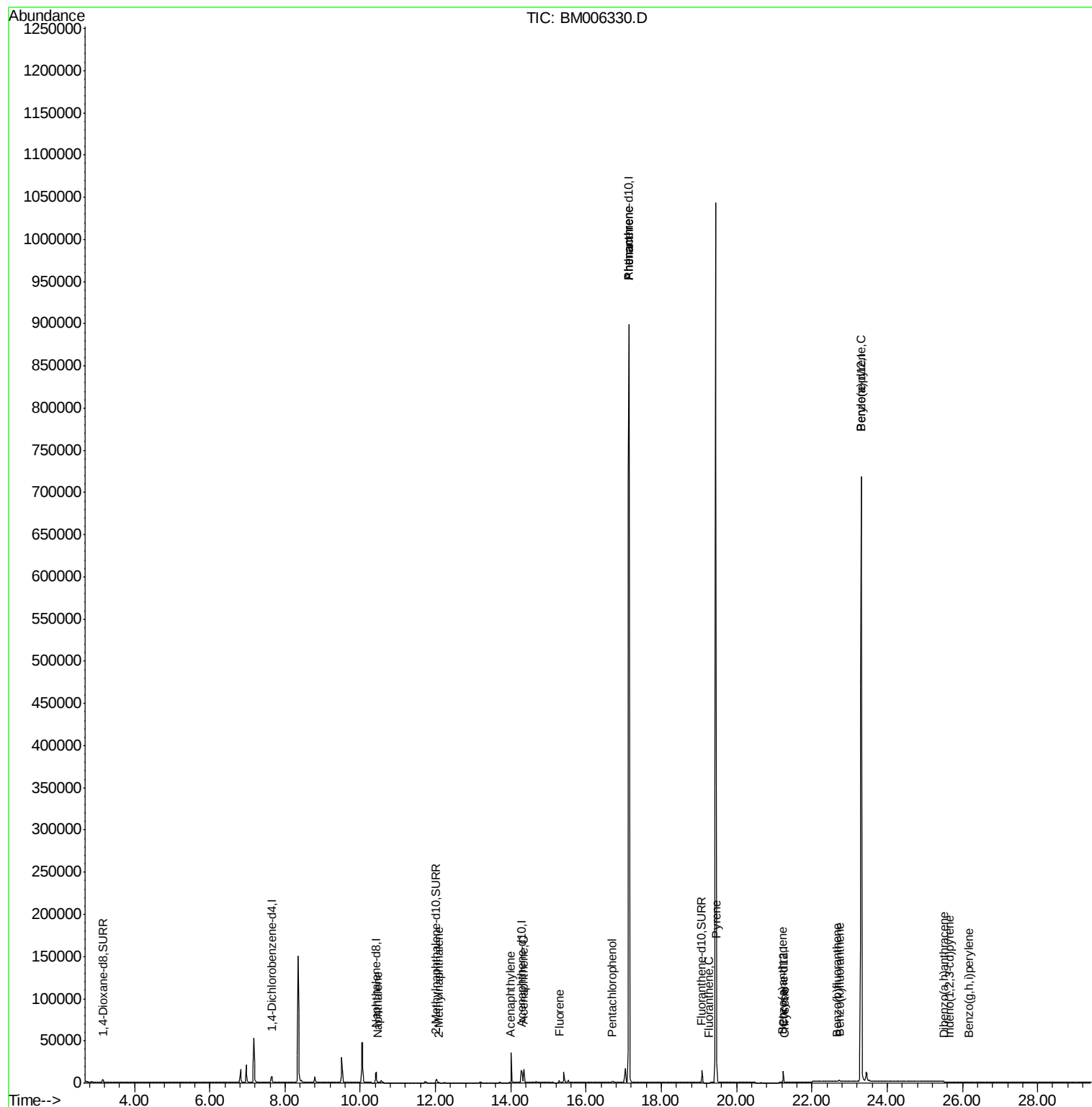
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.46	128	128	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.09	142	57	0.00	ng/ul#	85
9) Acenaphthylene	13.99	152	154	0.00	ng/ul#	1
10) Acenaphthene	14.35	153	9998	0.27	ng/ul	91
11) Fluorene	15.29	166	2751	0.07	ng/ul#	20
13) Pentachlorophenol	16.70	266	1627	0.01	ng/ul	96
14) Phenanthrene	17.14	178	864	0.00	ng/ul#	1
15) Anthracene	17.14	178	854	0.00	ng/ul#	1
17) Fluoranthene	19.26	202	28	0.00	ng/ul#	1
19) Pyrene	19.46	202	23297	0.36	ng/ul	96
20) Benzo(a)anthracene	21.22	228	204	0.00	ng/ul#	6
21) Chrysene	21.28	228	139	0.00	ng/ul#	10
23) Benzo(b)fluoranthene	22.66	252	5	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.74	252	16	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4191	0.00	ng/ul#	53
26) Indeno(1,2,3-cd)pyrene	25.66	276	66	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.51	278	961	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.17	276	13	0.00	ng/ul#	1

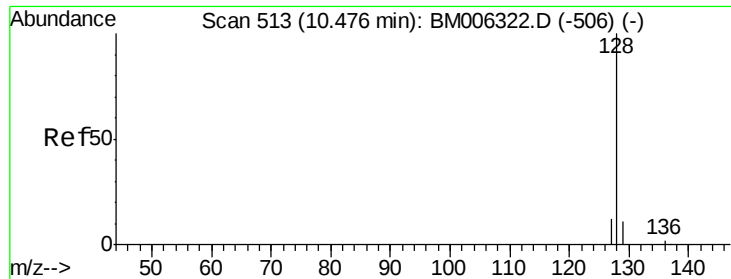
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

BNA_M

ClientSampleId :

A4TS1MS

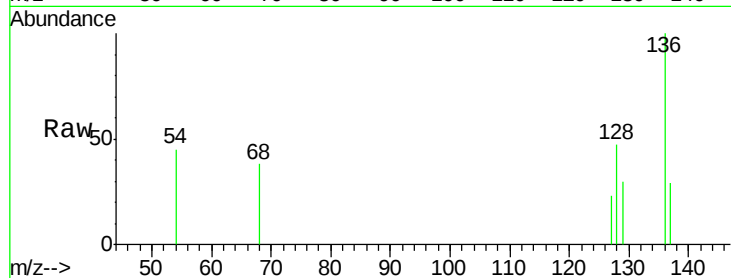
Tgt Ion:128 Resp: 128

Ion Ratio Lower Upper

128 100

129 64.7 9.0 13.6#

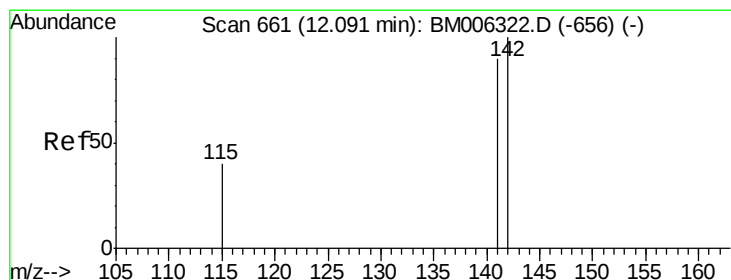
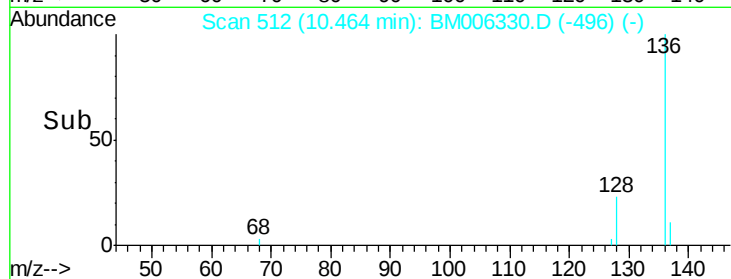
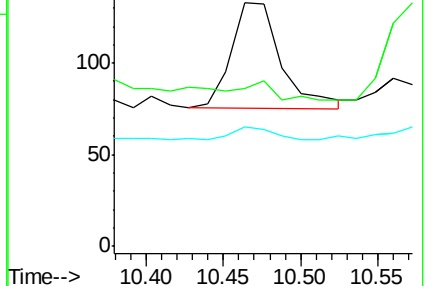
127 48.9 9.6 14.4#



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: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006330.D

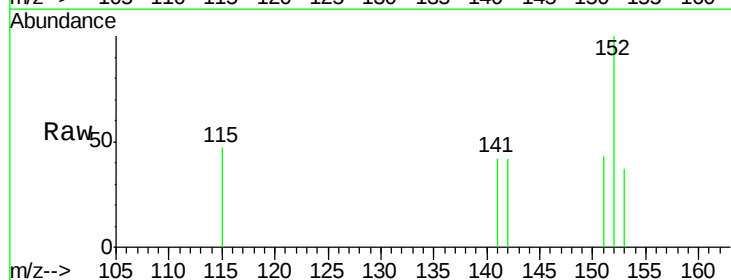
Acq: 07 Jul 2016 21:42

Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

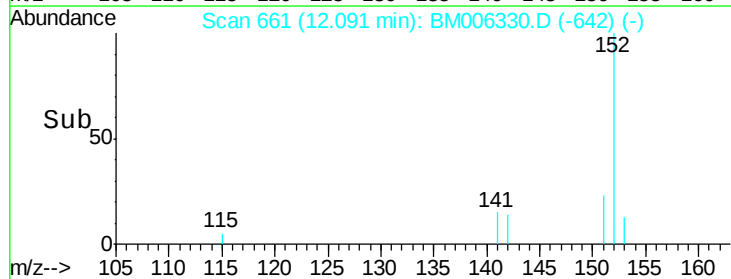
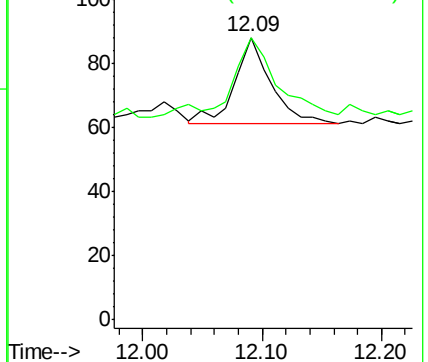
142 100

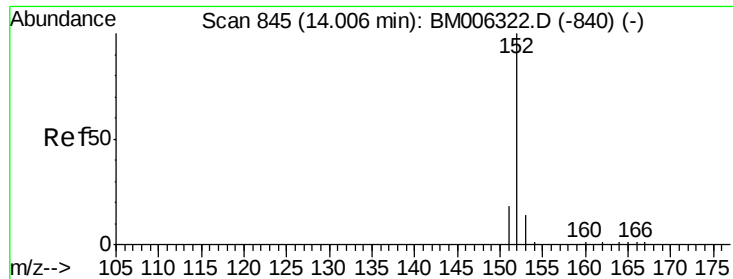
141 101.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.99 min Scan# 843

Delta R.T. -0.02 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

BNA_M

ClientSampleId :

A4TS1MS

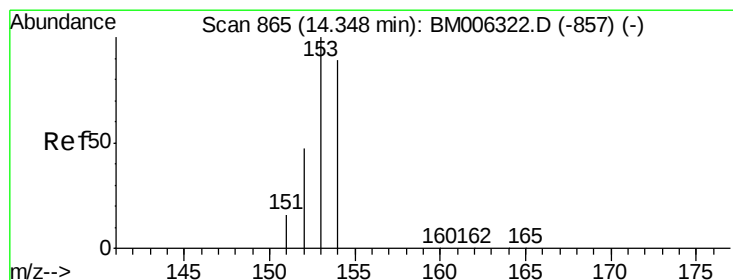
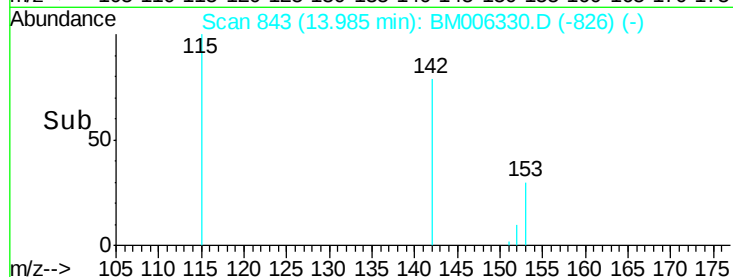
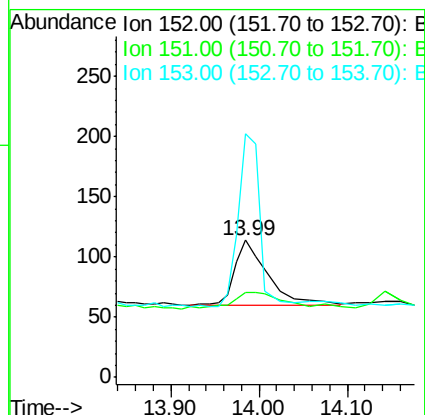
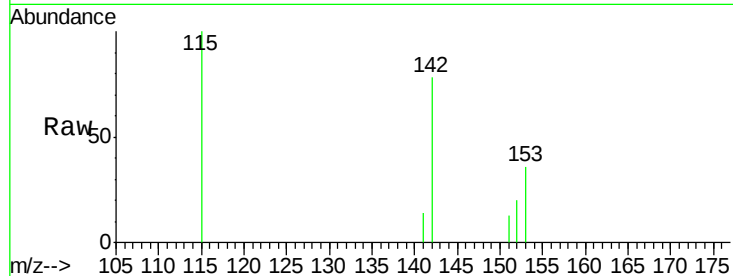
Tgt Ion:152 Resp: 154

Ion Ratio Lower Upper

152 100

151 62.3 17.6 26.4#

153 177.2 9.7 14.5#



#10

Acenaphthene

Concen: 0.27 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

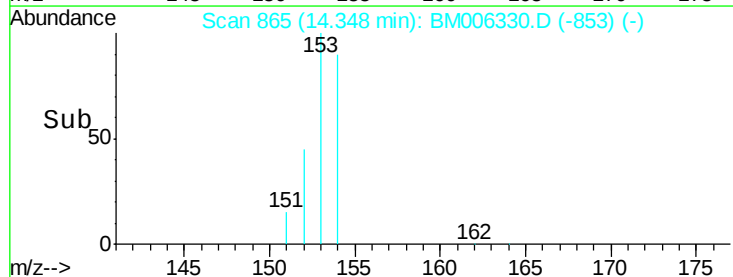
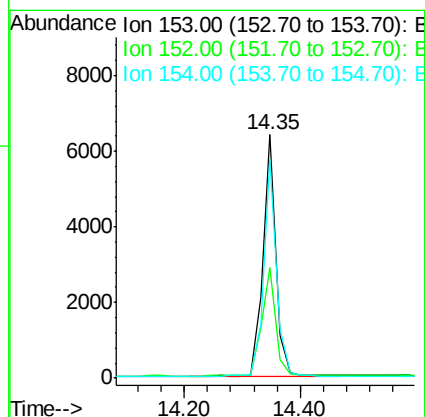
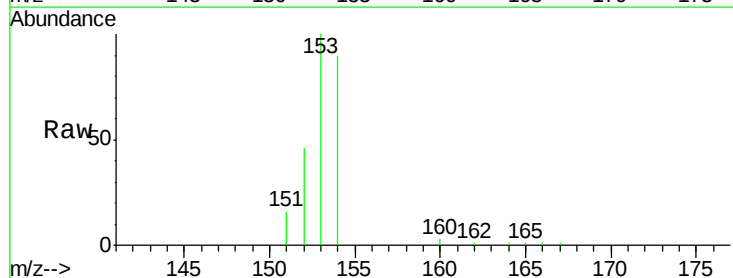
Tgt Ion:153 Resp: 9998

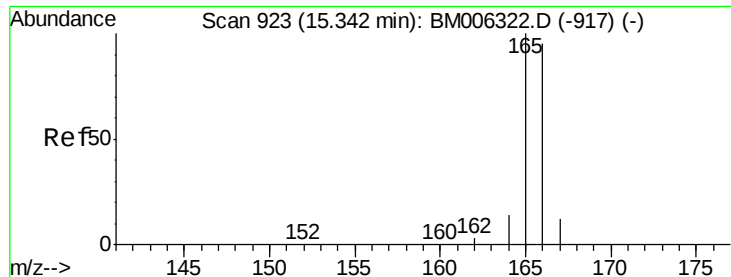
Ion Ratio Lower Upper

153 100

152 45.6 33.9 50.9

154 90.3 80.6 121.0

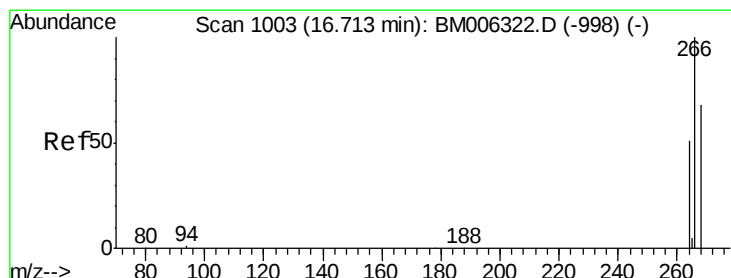
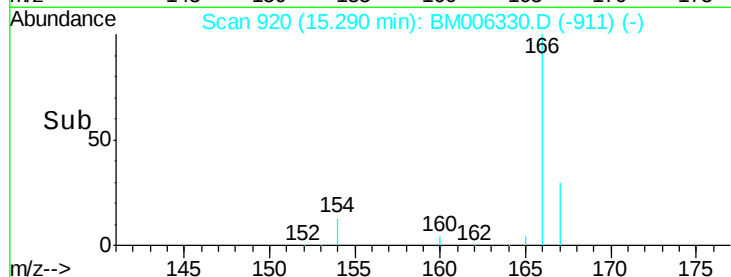
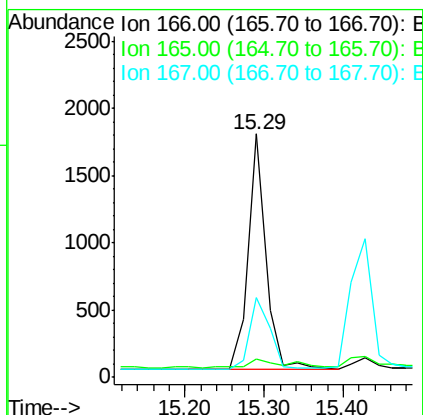
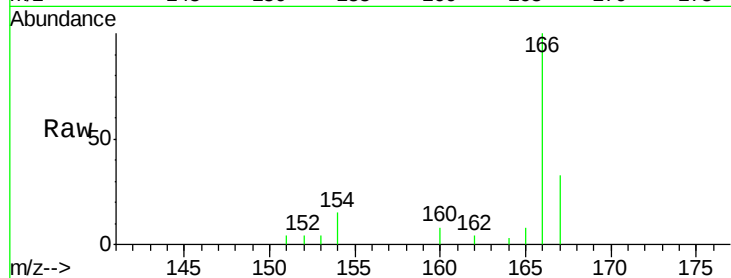




#11
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.29 min Scan# 920
 Delta R.T. -0.05 min
 Lab File: BM006330.D
 Acq: 07 Jul 2016 21:42

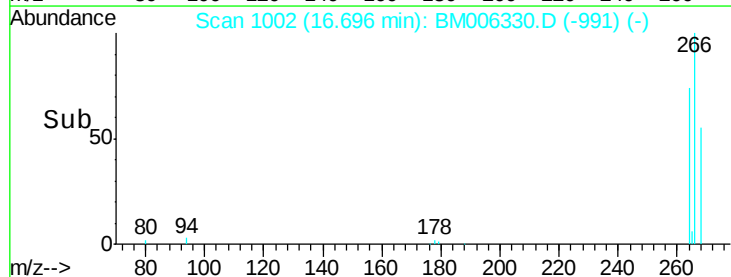
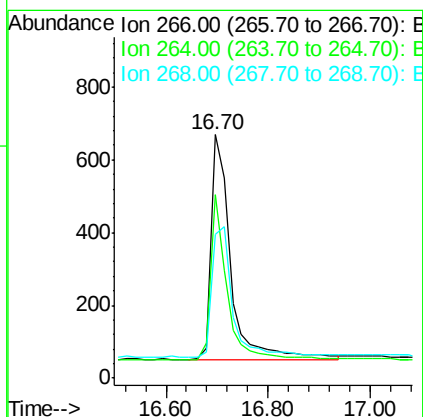
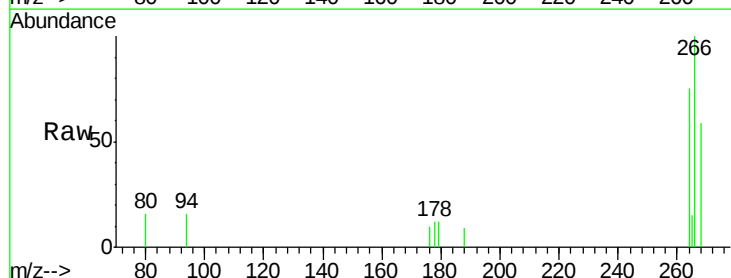
Instrument :
 BNA_M
 ClientSampleId :
 A4TS1MS

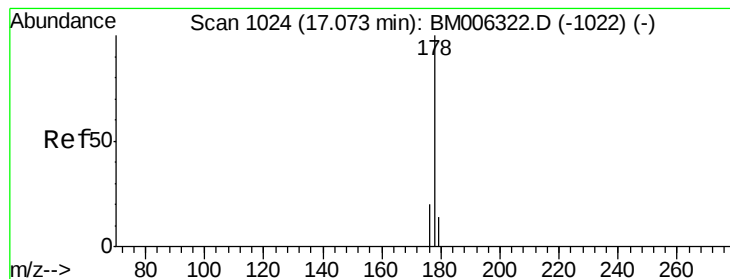
Tgt Ion:166 Resp: 2751
 Ion Ratio Lower Upper
 166 100
 165 7.6 69.6 104.4#
 167 32.7 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006330.D
 Acq: 07 Jul 2016 21:42

Tgt Ion:266 Resp: 1627
 Ion Ratio Lower Upper
 266 100
 264 63.3 51.8 77.8
 268 63.9 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.07 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

BNA_M

ClientSampleId :

A4TS1MS

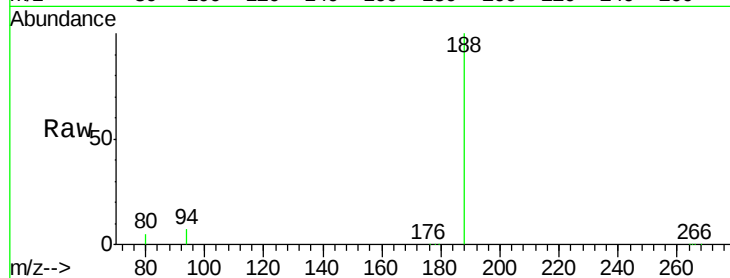
Tgt Ion:178 Resp: 864

Ion Ratio Lower Upper

178 100

176 18.8 13.0 19.4

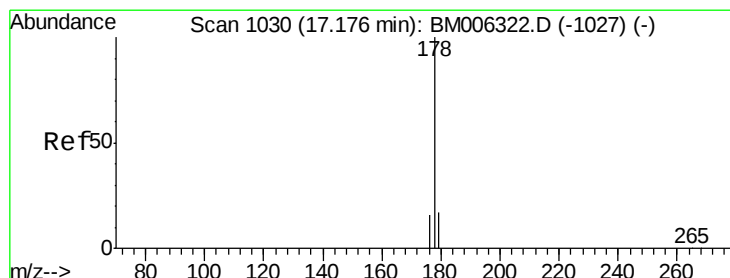
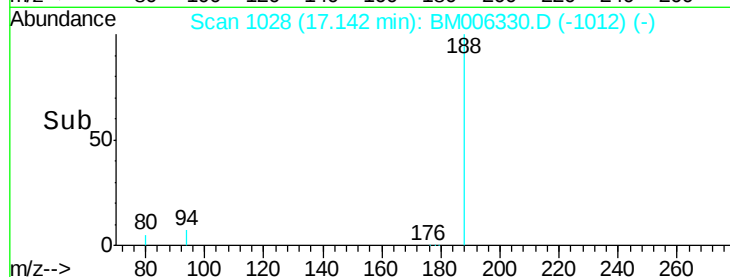
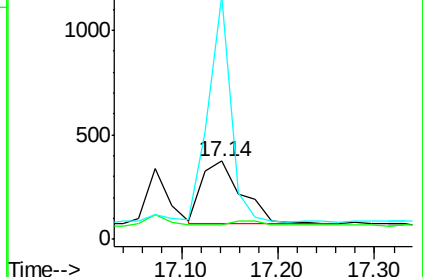
179 312.3 14.2 21.2#



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: 17.14 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

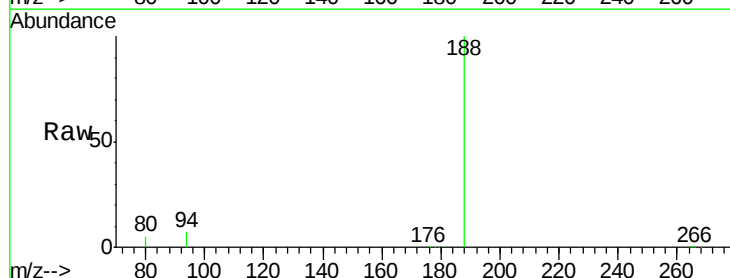
Tgt Ion:178 Resp: 854

Ion Ratio Lower Upper

178 100

176 18.8 14.0 21.0

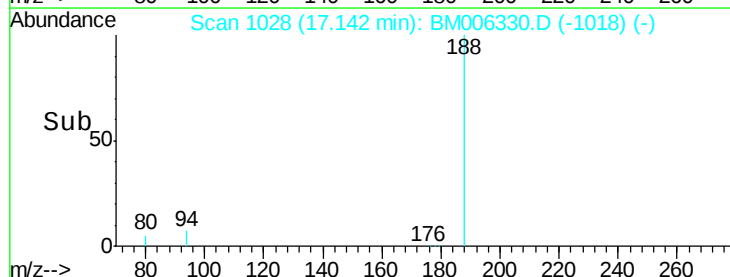
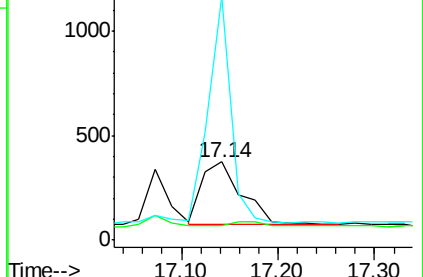
179 312.3 12.9 19.3#

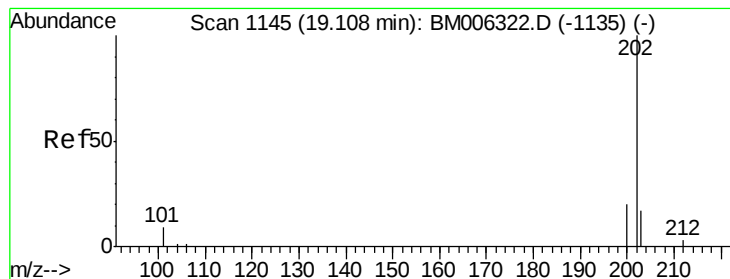


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.26 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

BNA_M

ClientSampleId :

A4TS1MS

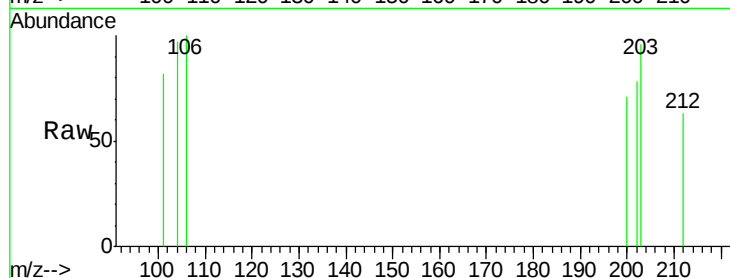
Tgt Ion:202 Resp: 28

Ion Ratio Lower Upper

202 100

101 105.0 0.0 29.6#

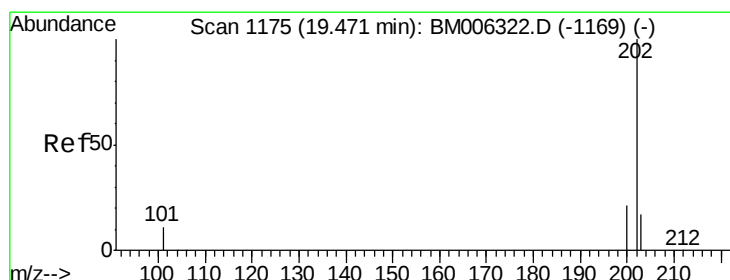
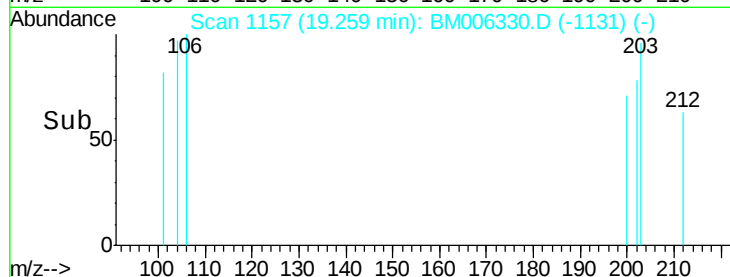
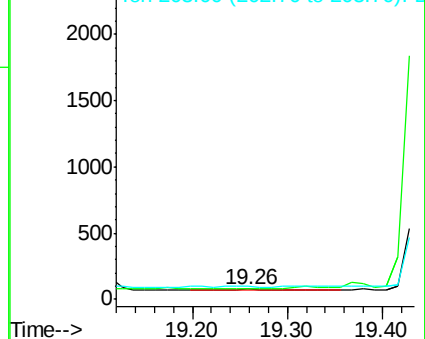
203 122.5 0.0 36.3#



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: 0.36 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

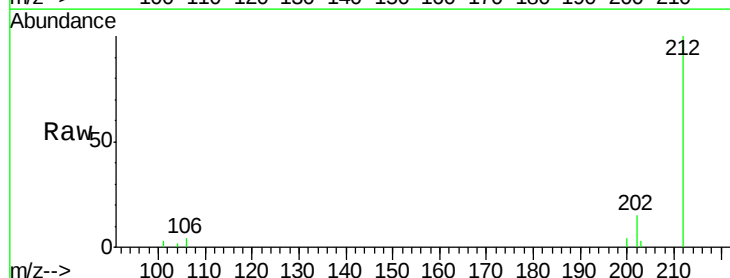
Tgt Ion:202 Resp: 23297

Ion Ratio Lower Upper

202 100

200 23.8 17.8 26.8

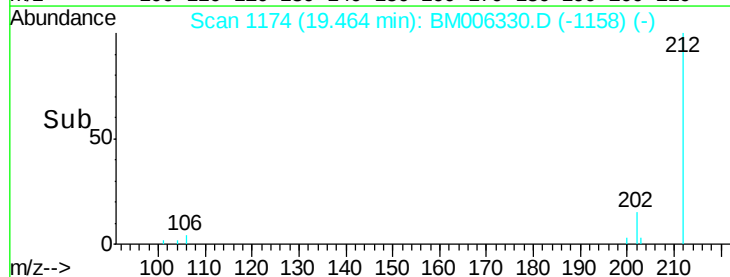
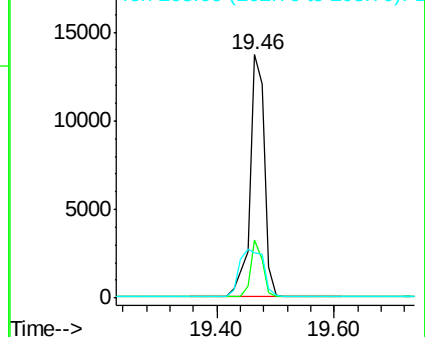
203 18.7 12.8 19.2

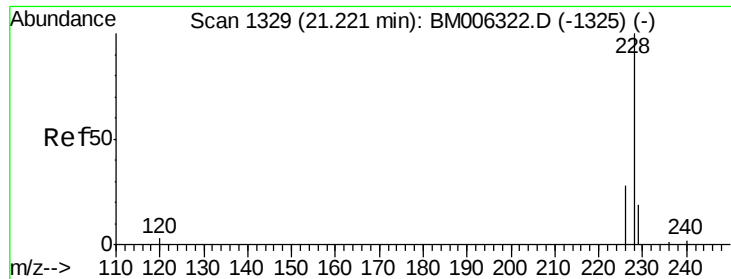


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/u1

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

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A4TS1MS

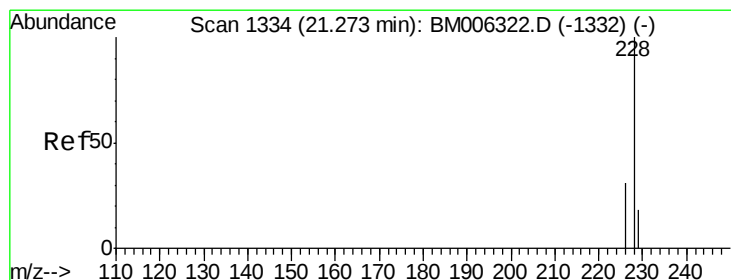
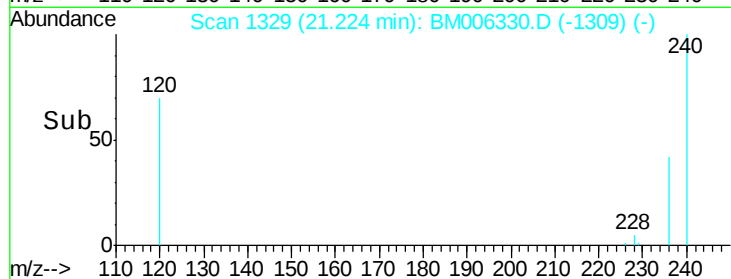
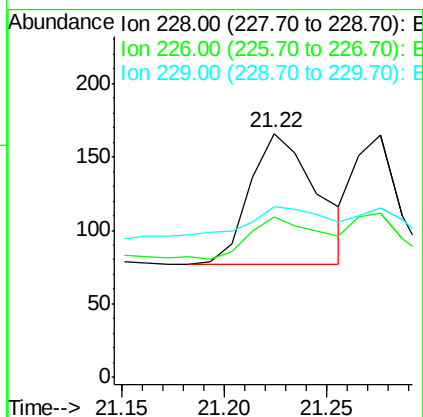
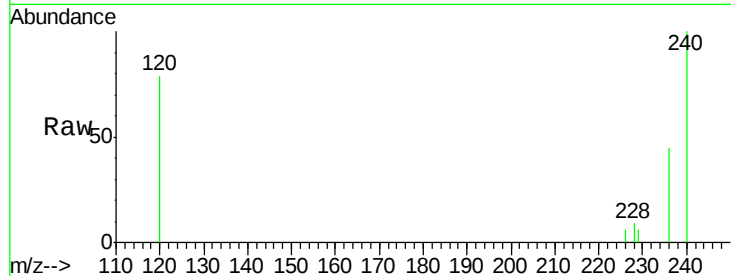
Tgt Ion:228 Resp: 204

Ion Ratio Lower Upper

228 100

226 65.7 18.8 28.2#

229 69.9 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/u1

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

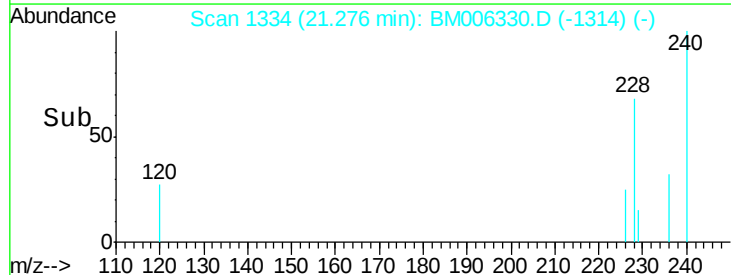
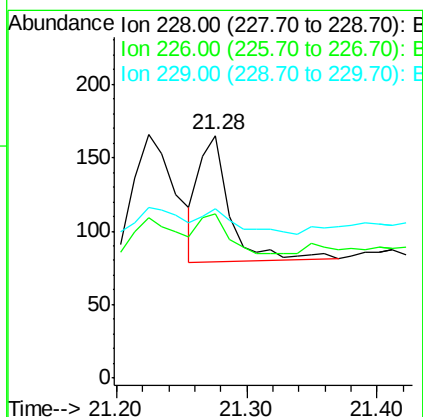
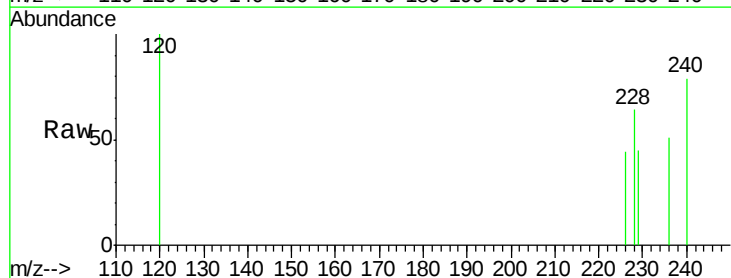
Tgt Ion:228 Resp: 139

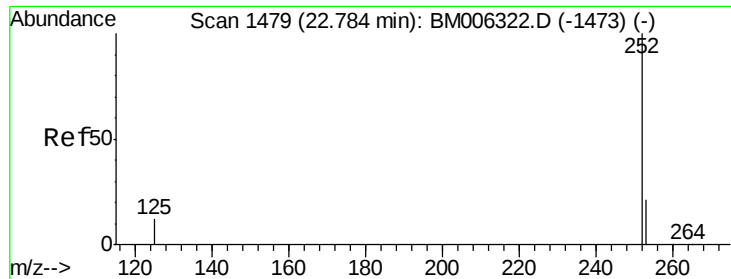
Ion Ratio Lower Upper

228 100

226 67.9 21.2 31.8#

229 69.7 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.66 min Scan# 1467

Delta R.T. -0.12 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

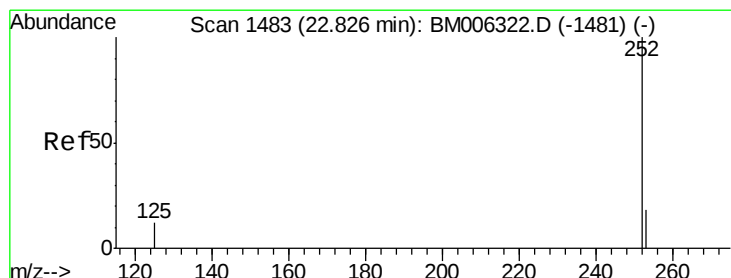
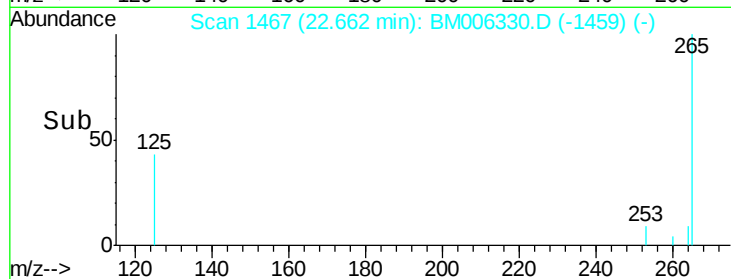
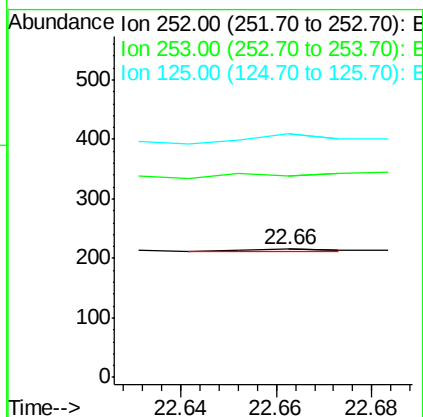
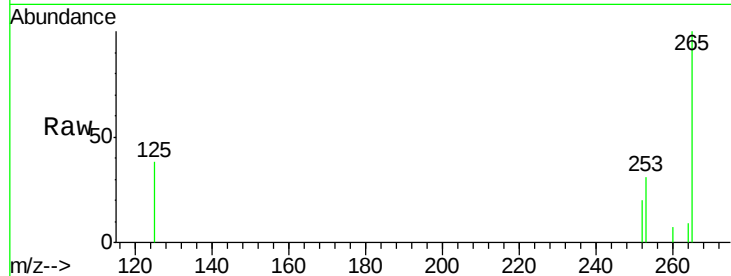
Instrument :

BNA_M

ClientSampleId :

A4TS1MS

Tgt Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	157.7	0.0	45.4#
125	190.2	0.0	28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

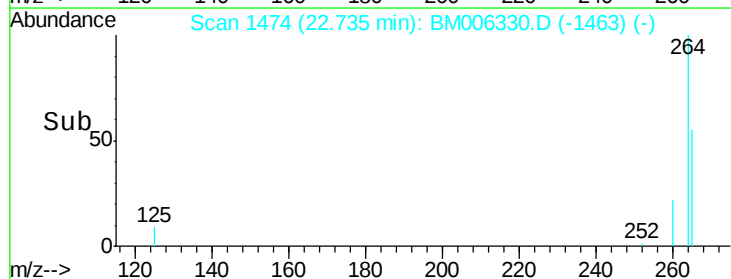
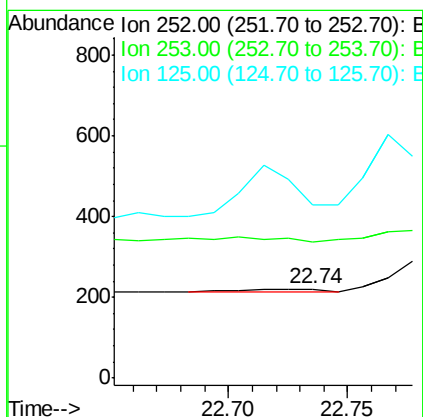
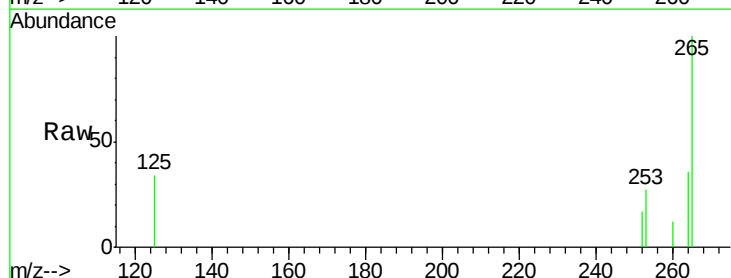
RT: 22.74 min Scan# 1474

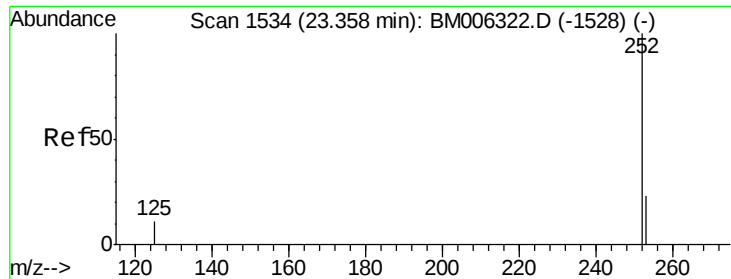
Delta R.T. -0.09 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Tgt Ion:	252	Resp:	16
Ion	Ratio	Lower	Upper
252	100		
253	153.6	19.8	29.8#
125	195.0	10.4	15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

Instrument :

BNA_M

ClientSampleId :

A4TS1MS

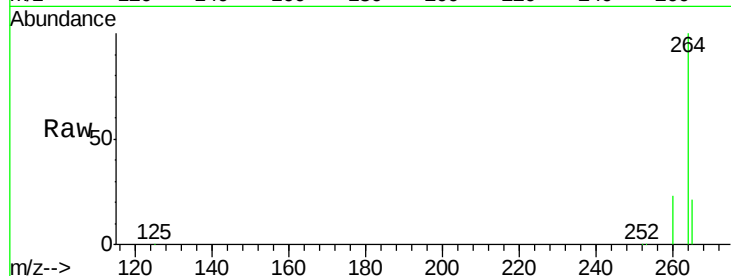
Tgt Ion: 252 Resp: 4191

Ion Ratio Lower Upper

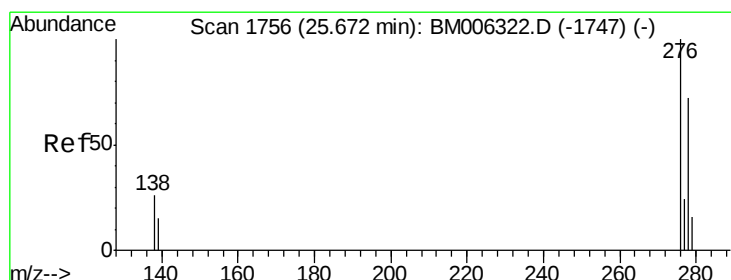
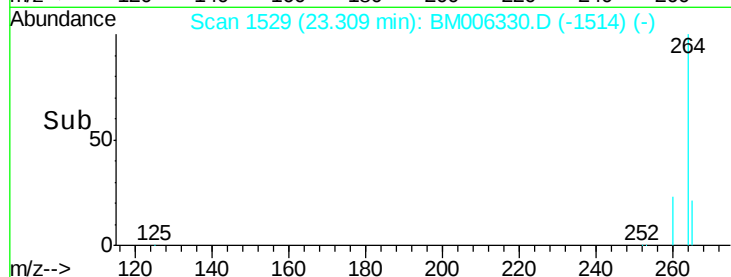
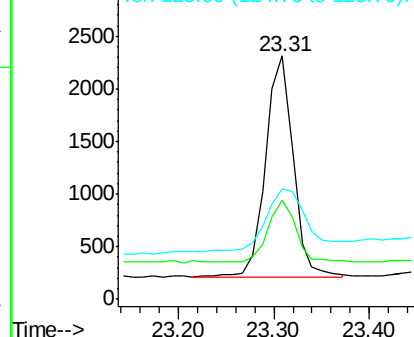
252 100

253 40.5 19.4 29.2#

125 45.1 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: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006330.D

Acq: 07 Jul 2016 21:42

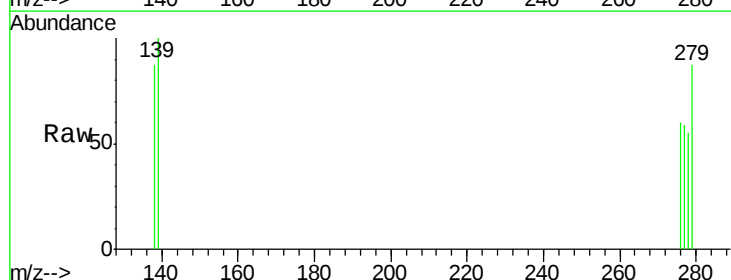
Tgt Ion: 276 Resp: 66

Ion Ratio Lower Upper

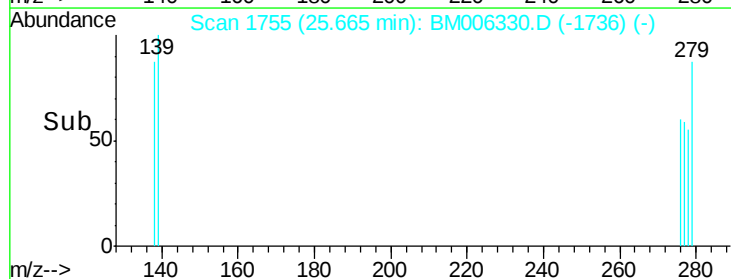
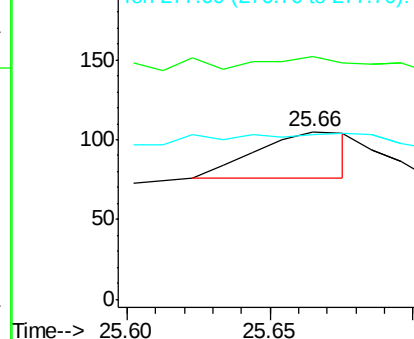
276 100

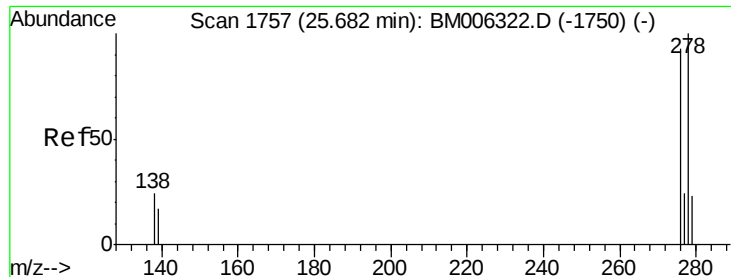
138 0.0 16.3 24.5#

277 0.0 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

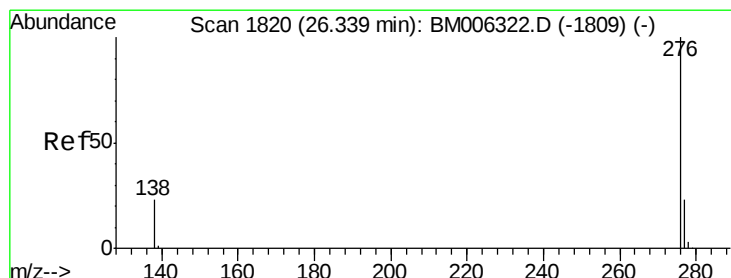
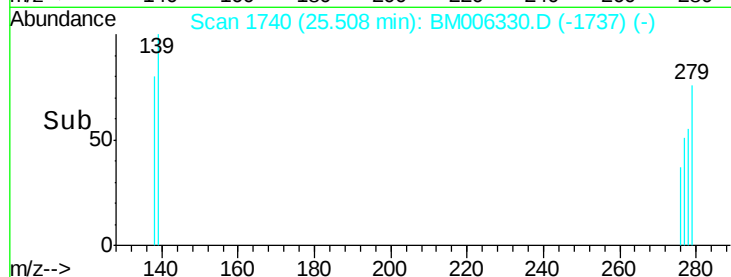
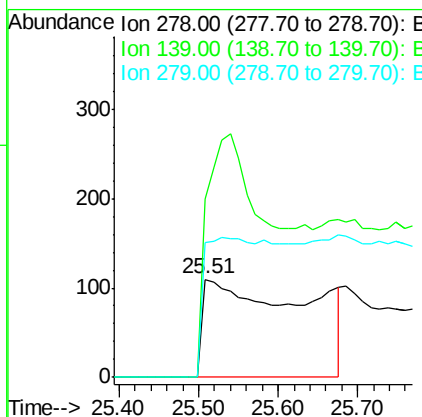
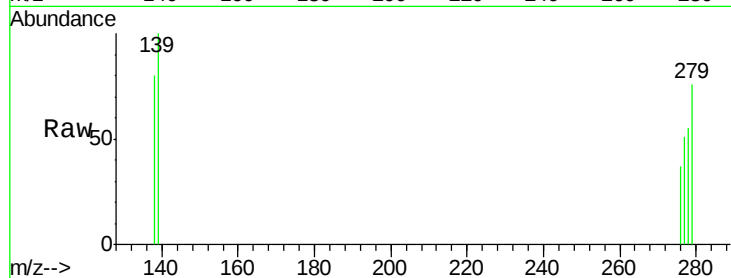




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.51 min Scan# 1740
Delta R.T. -0.17 min
Lab File: BM006330.D
Acq: 07 Jul 2016 21:42

Instrument :
BNA_M
ClientSampleId :
A4TS1MS

Tgt Ion: 278 Resp: 961
Ion Ratio Lower Upper
278 100
139 180.9 16.4 24.6#
279 137.3 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.17 min Scan# 1803
Delta R.T. -0.17 min
Lab File: BM006330.D
Acq: 07 Jul 2016 21:42

Tgt Ion: 276 Resp: 13
Ion Ratio Lower Upper
276 100
277 128.0 18.9 28.3#
138 193.3 22.5 33.7#

