

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006329.D
 Acq On : 07 Jul 2016 21:06
 Operator : UM/SJ
 Sample : H3914-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TS1

Quant Time: Jul 08 03:47:01 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	4871	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19912	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11961	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1768220	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	17848	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	1070118	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	2762	1.34	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	8647	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	23232	0.01	ng/ul	-0.01

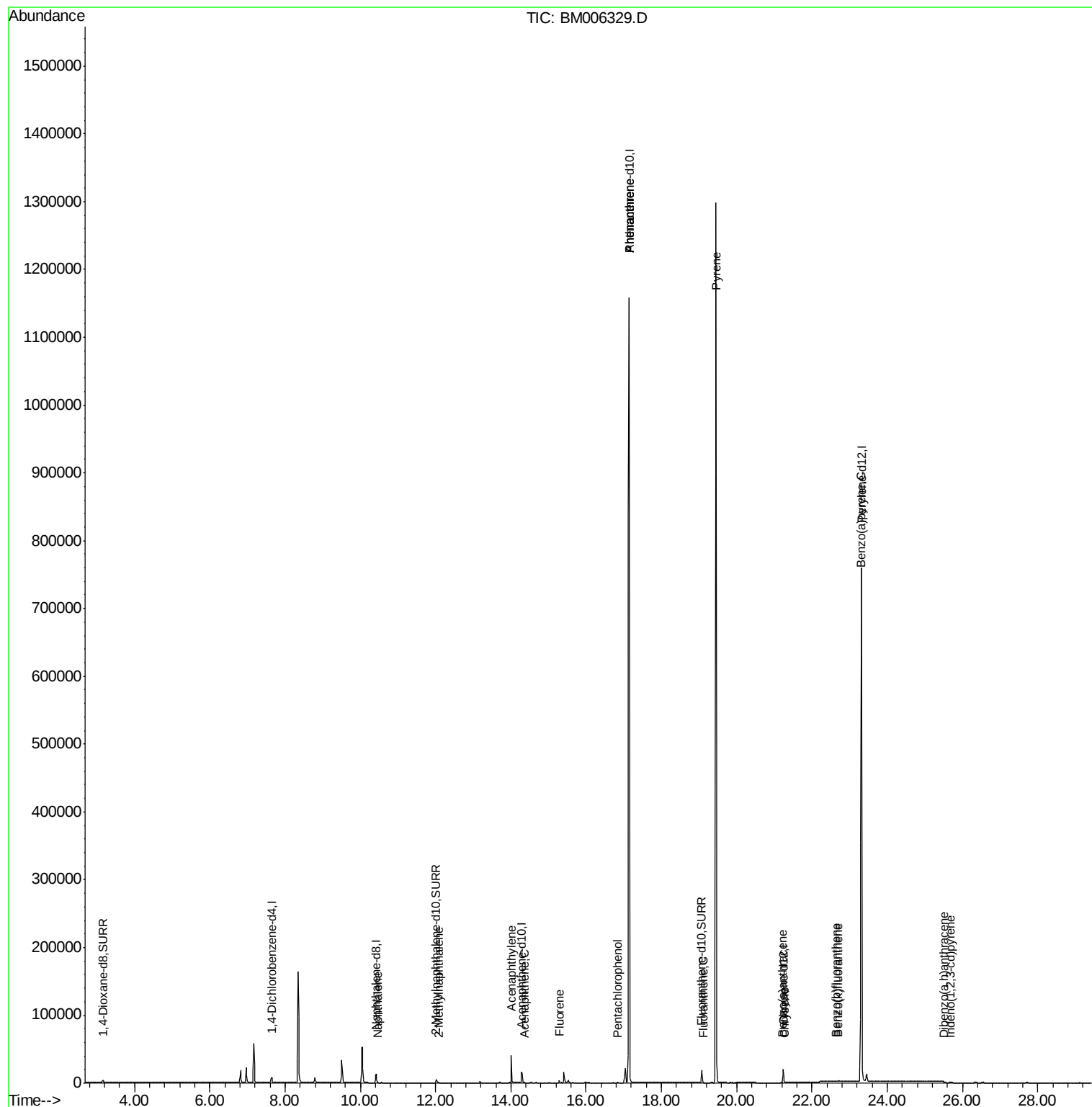
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.46	128	180	0.00	ng/ul#	4
7) 2-Methylnaphthalene	12.09	142	102	0.00	ng/ul	94
9) Acenaphthylene	14.01	152	198	0.00	ng/ul#	10
10) Acenaphthene	14.35	153	94	0.00	ng/ul#	79
11) Fluorene	15.29	166	3340	0.07	ng/ul#	20
13) Pentachlorophenol	16.83	266	4	0.00	ng/ul#	1
14) Phenanthrene	17.14	178	1553	0.00	ng/ul#	1
15) Anthracene	17.14	178	1527	0.00	ng/ul#	1
17) Fluoranthene	19.11	202	762	0.00	ng/ul	64
19) Pyrene	19.45	202	3539	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.22	228	603	0.01	ng/ul#	63
21) Chrysene	21.27	228	492	0.01	ng/ul#	62
23) Benzo(b)fluoranthene	22.64	252	37	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.69	252	23	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.31	252	4918	0.00	ng/ul#	58
26) Indeno(1,2,3-cd)pyrene	25.67	276	379	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.50	278	751	0.00	ng/ul#	1

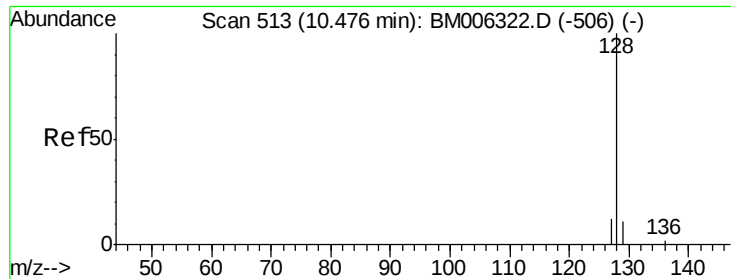
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

BNA_M

ClientSampleId :

A4TS1

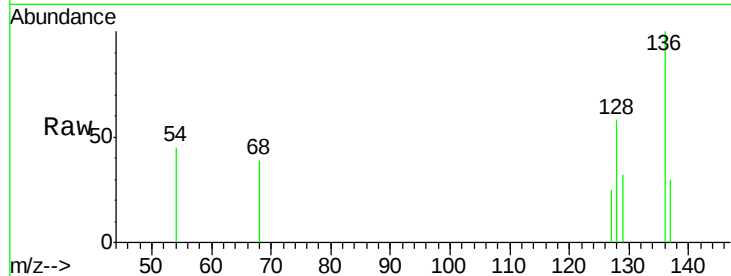
Tgt Ion:128 Resp: 180

Ion Ratio Lower Upper

128 100

129 54.8 9.0 13.6#

127 42.9 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

10.46

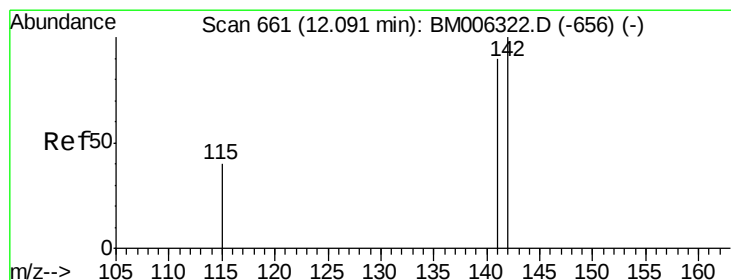
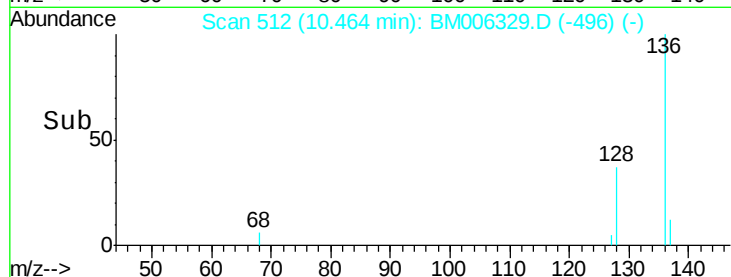
150

100

50

0

Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006329.D

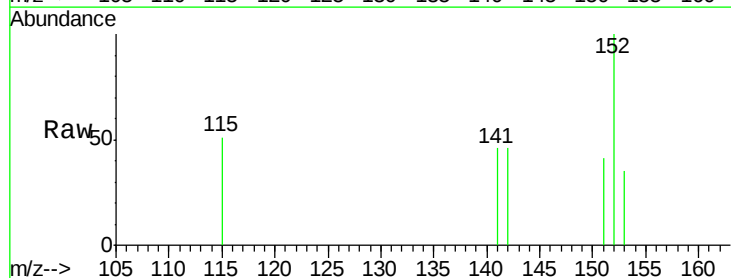
Acq: 07 Jul 2016 21:06

Tgt Ion:142 Resp: 102

Ion Ratio Lower Upper

142 100

141 82.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.09

100

80

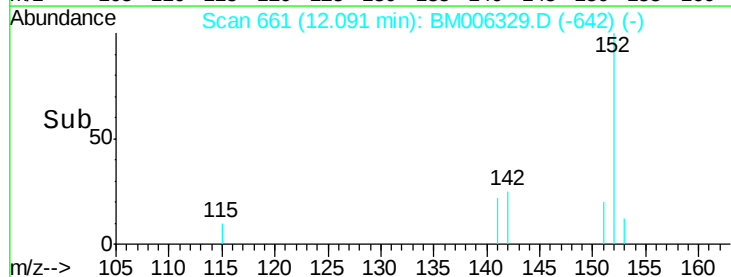
60

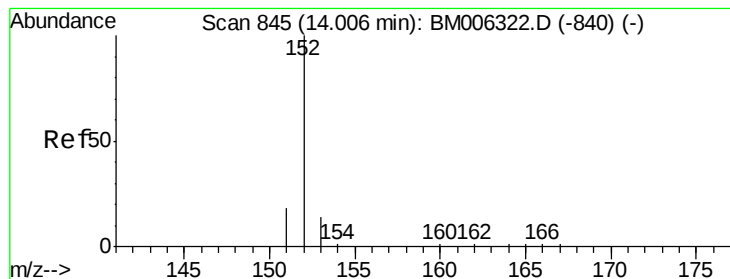
40

20

0

Time-->





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

BNA_M

ClientSampleId :

A4TS1

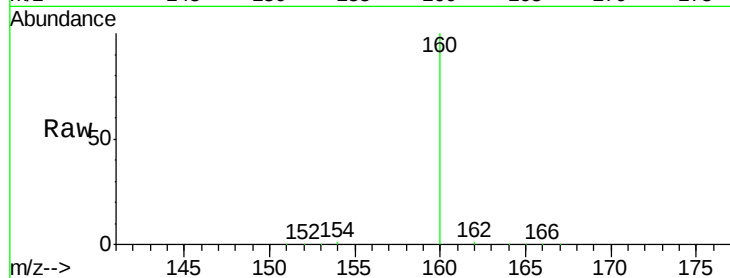
Tgt Ion:152 Resp: 198

Ion Ratio Lower Upper

152 100

151 56.7 17.6 26.4#

153 59.0 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E

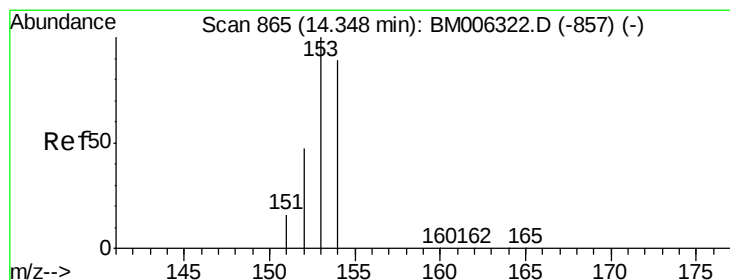
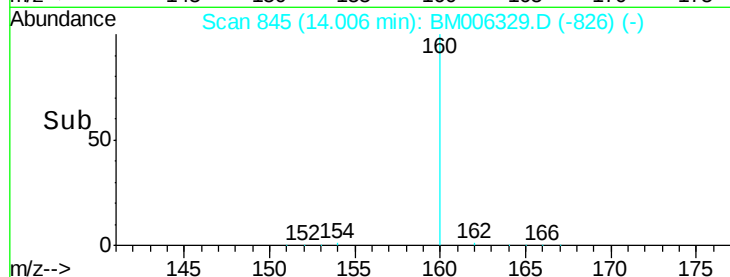
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.01

13.90 14.00 14.10

Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

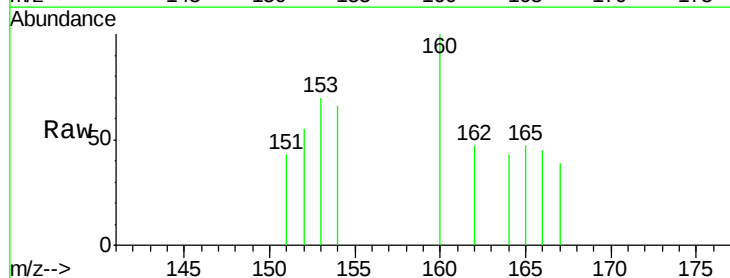
Tgt Ion:153 Resp: 94

Ion Ratio Lower Upper

153 100

152 78.4 33.9 50.9#

154 94.6 80.6 121.0



Abundance Ion 153.00 (152.70 to 153.70): E

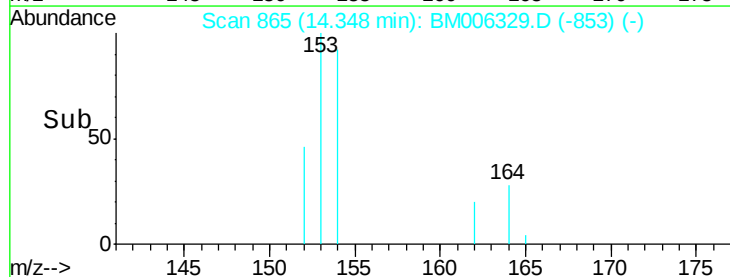
Ion 152.00 (151.70 to 152.70): E

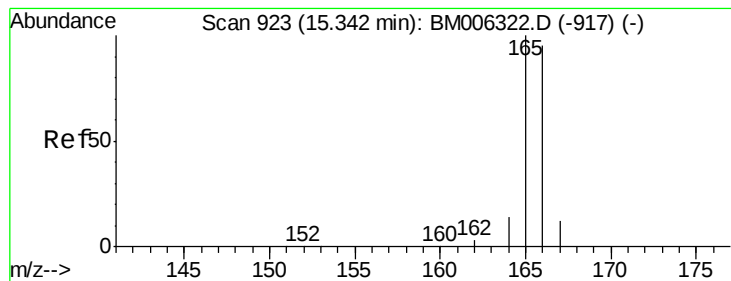
Ion 154.00 (153.70 to 154.70): E

14.35

14.30 14.40

Time-->





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

BNA_M

ClientSampleId :

A4TS1

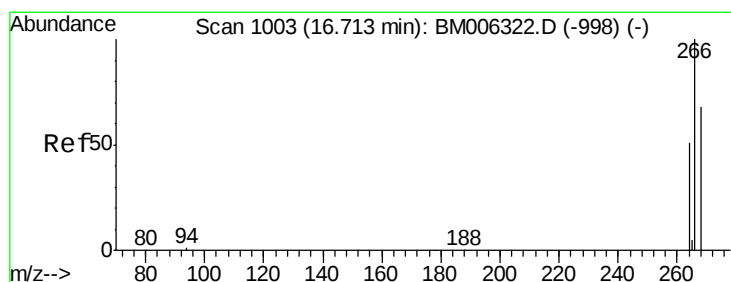
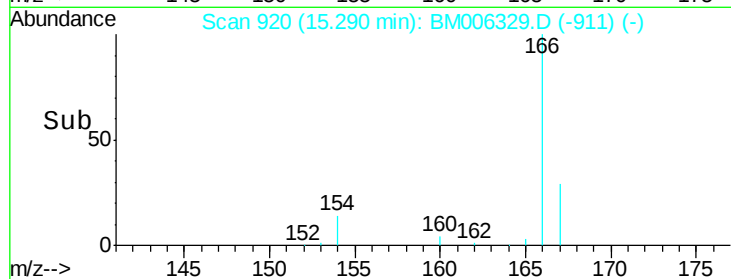
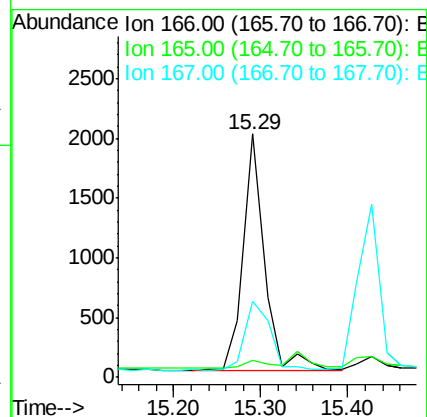
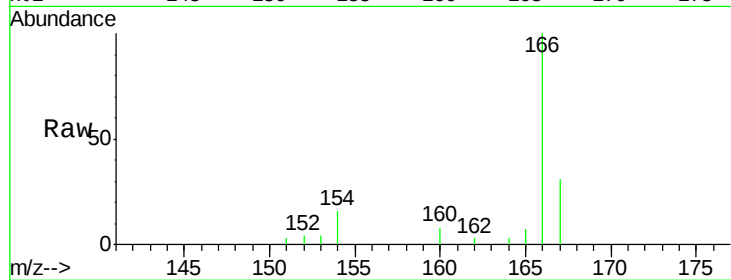
Tgt Ion:166 Resp: 3340

Ion Ratio Lower Upper

166 100

165 6.9 69.6 104.4#

167 31.0 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.83 min Scan# 1010

Delta R.T. 0.12 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

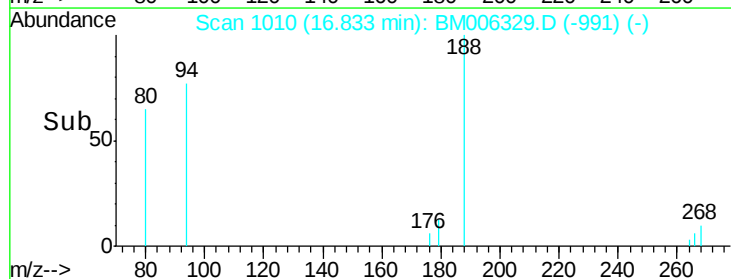
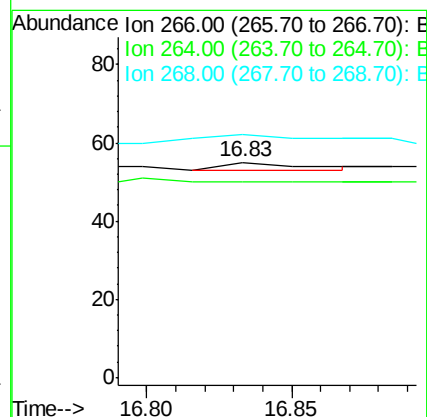
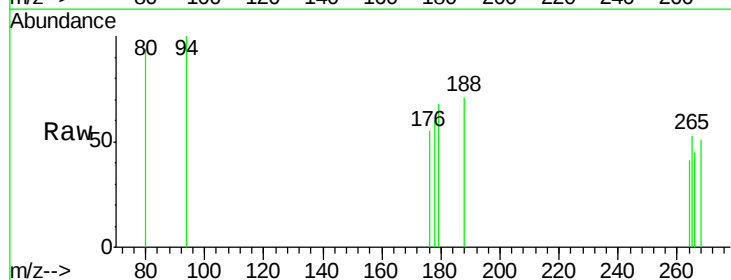
Tgt Ion:266 Resp: 4

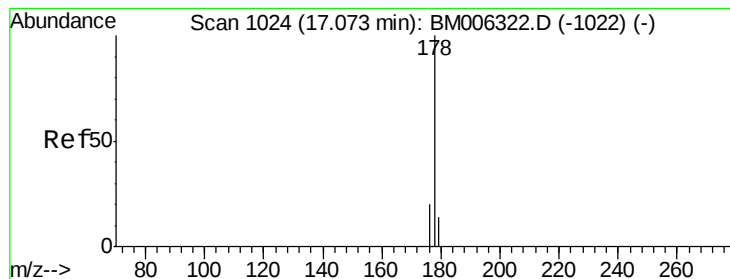
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 275.0 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: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

BNA_M

ClientSampleId :

A4TS1

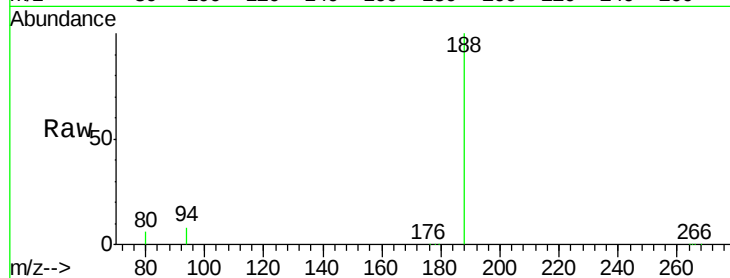
Tgt Ion:178 Resp: 1553

Ion Ratio Lower Upper

178 100

176 15.7 13.0 19.4

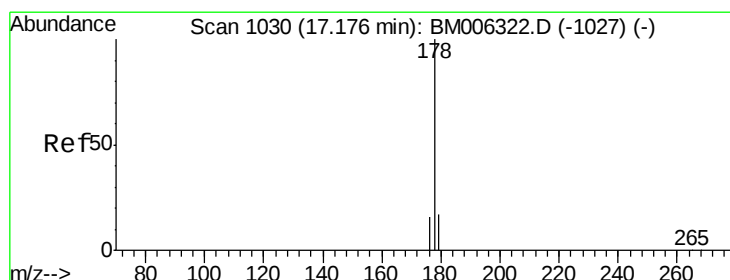
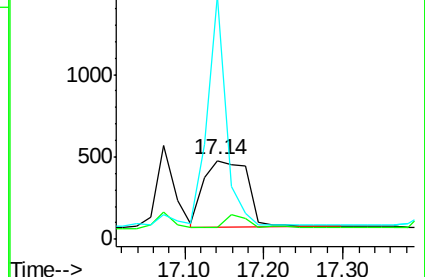
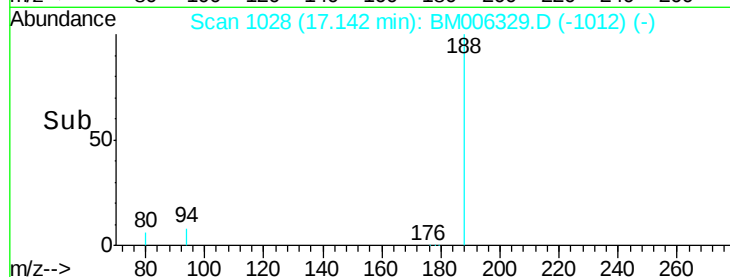
179 309.6 14.2 21.2#



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: BM006329.D

Acq: 07 Jul 2016 21:06

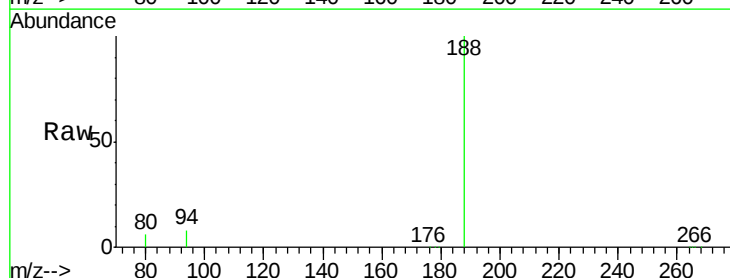
Tgt Ion:178 Resp: 1527

Ion Ratio Lower Upper

178 100

176 15.7 14.0 21.0

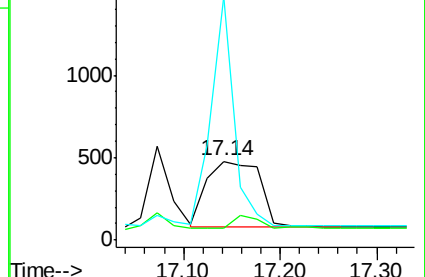
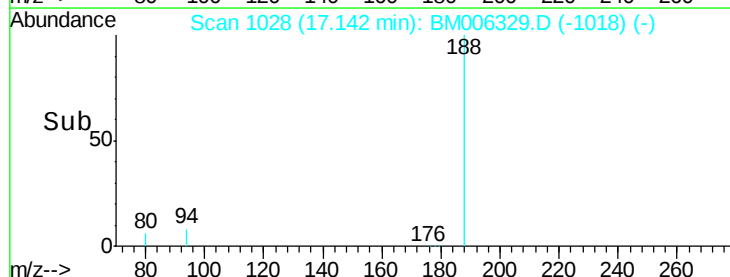
179 309.6 12.9 19.3#

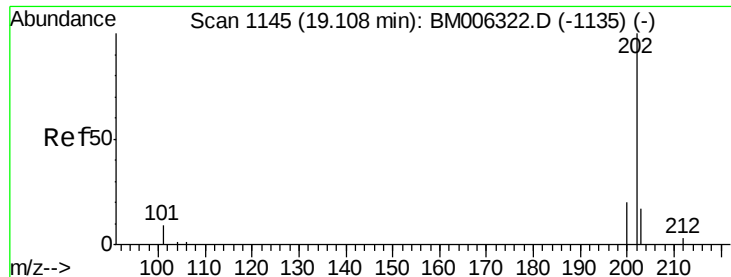


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

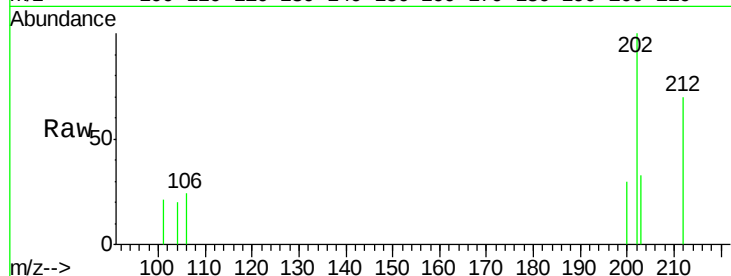




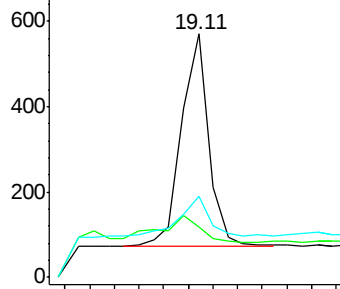
#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.11 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BM006329.D
Acq: 07 Jul 2016 21:06

Instrument :
BNA_M
ClientSampleId :
A4TS1

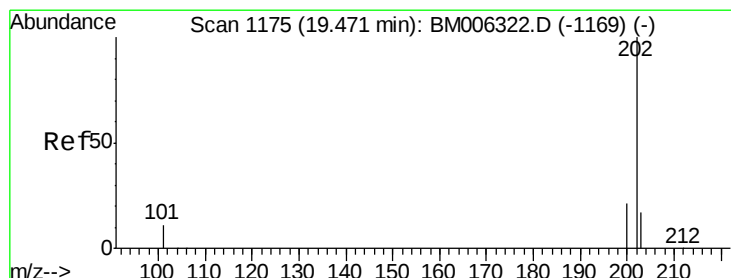
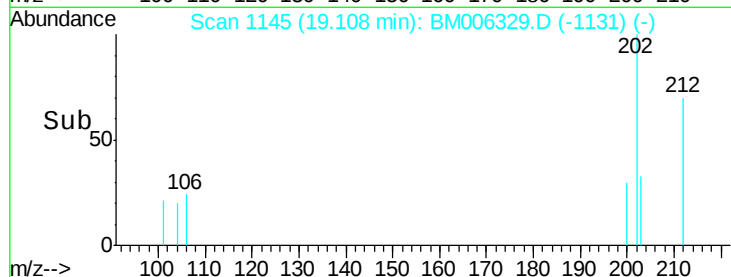
Tgt Ion:202 Resp: 762
Ion Ratio Lower Upper
202 100
101 20.7 0.0 29.6
203 33.1 0.0 36.3



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

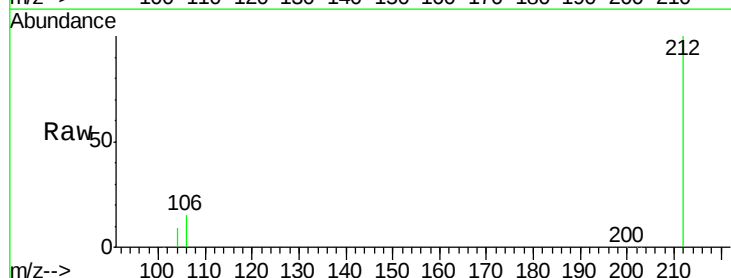


Time--> 19.00 19.10 19.20

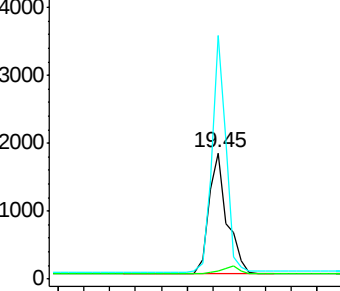


#19
Pyrene
Concen: 0.05 ng/ul
RT: 19.45 min Scan# 1173
Delta R.T. -0.02 min
Lab File: BM006329.D
Acq: 07 Jul 2016 21:06

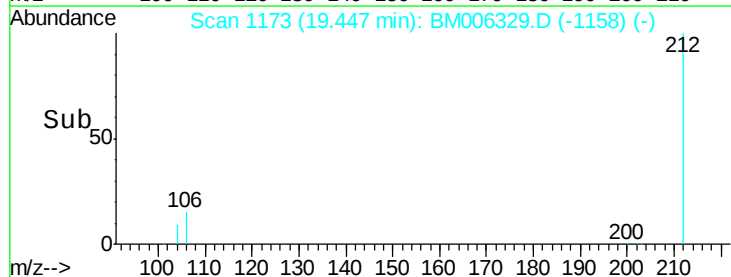
Tgt Ion:202 Resp: 3539
Ion Ratio Lower Upper
202 100
200 6.5 17.8 26.8#
203 193.4 12.8 19.2#

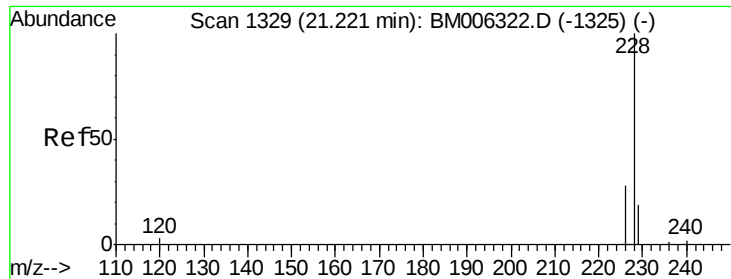


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.40 19.60





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

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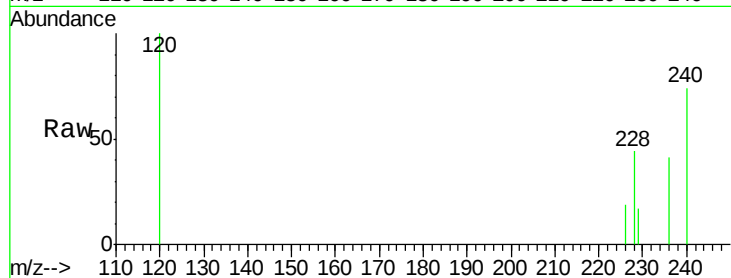
Tgt Ion:228 Resp: 603

Ion Ratio Lower Upper

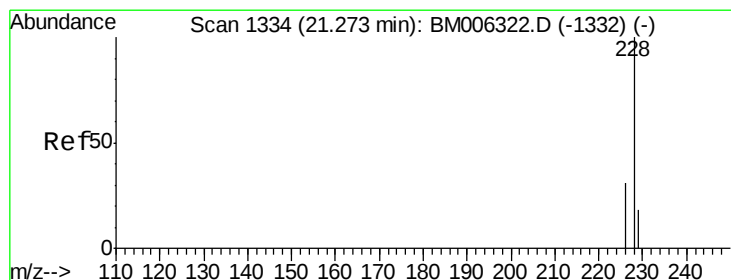
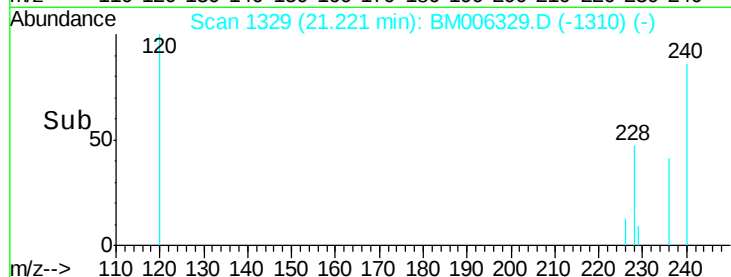
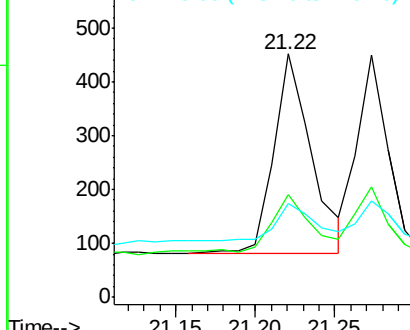
228 100

226 42.0 18.8 28.2#

229 38.3 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: 0.01 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

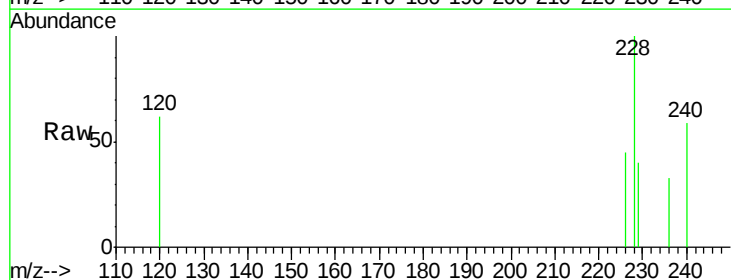
Tgt Ion:228 Resp: 492

Ion Ratio Lower Upper

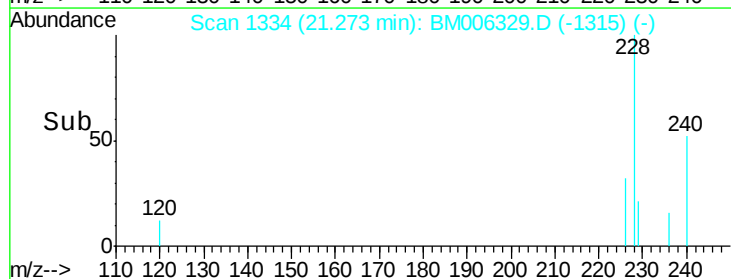
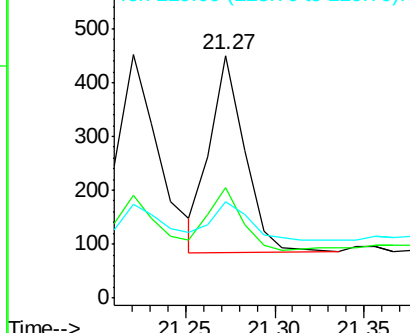
228 100

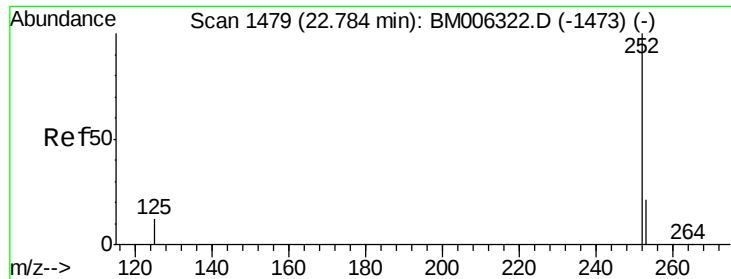
226 45.3 21.2 31.8#

229 39.8 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: 0.00 ng/u1

RT: 22.64 min Scan# 1465

Delta R.T. -0.15 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

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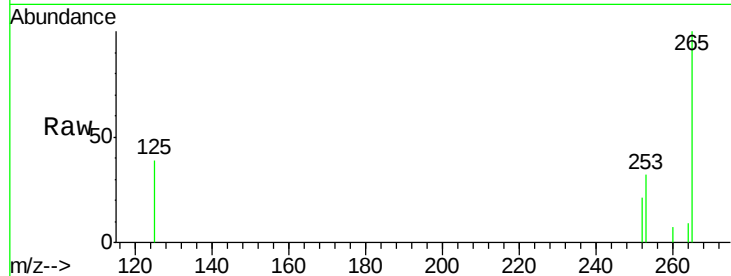
Tgt Ion:252 Resp: 37

Ion Ratio Lower Upper

252 100

253 154.0 0.0 45.4#

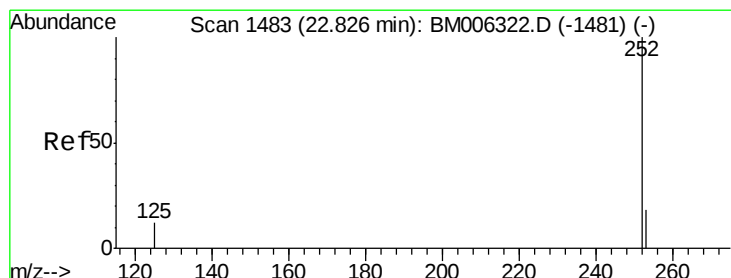
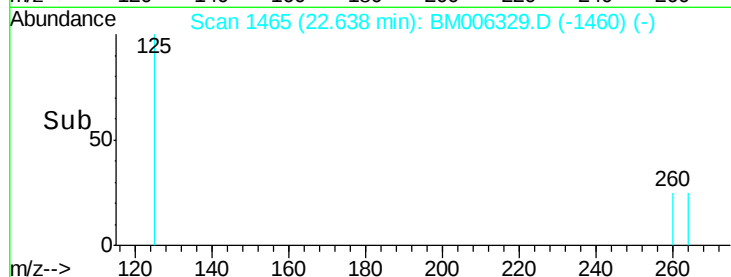
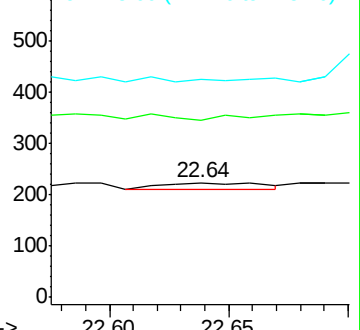
125 190.2 0.0 28.8#



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: 0.00 ng/u1

RT: 22.69 min Scan# 1470

Delta R.T. -0.14 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

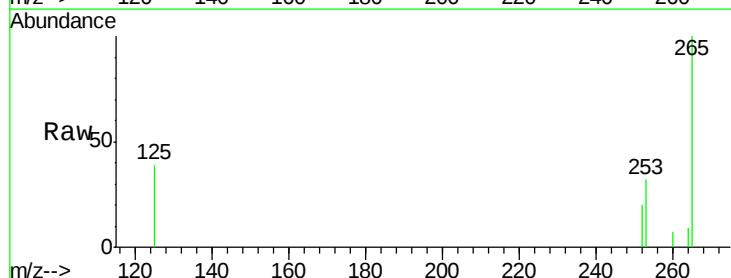
Tgt Ion:252 Resp: 23

Ion Ratio Lower Upper

252 100

253 158.0 19.8 29.8#

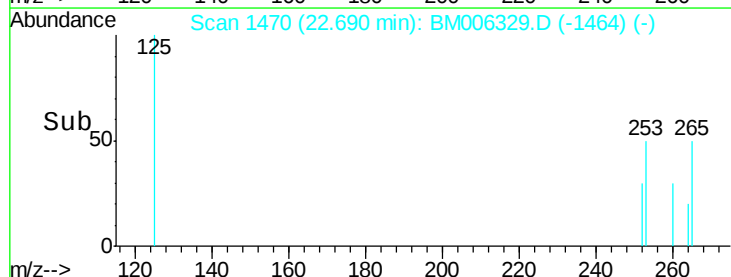
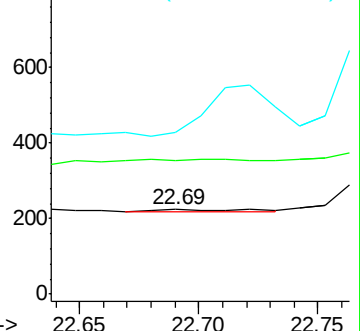
125 191.5 10.4 15.6#

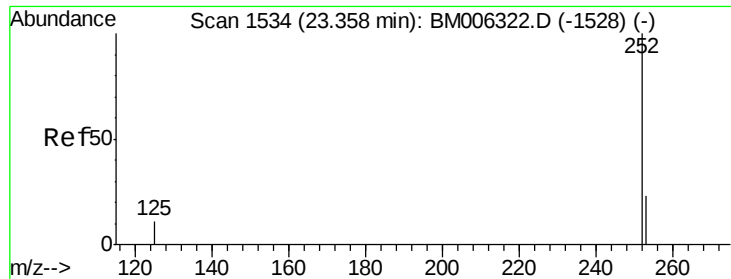


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.31 min Scan# 1529

Delta R.T. -0.05 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

Instrument :

BNA_M

ClientSampleId :

A4TS1

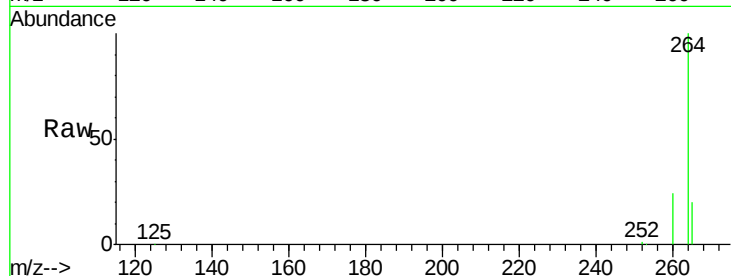
Tgt Ion: 252 Resp: 4918

Ion Ratio Lower Upper

252 100

253 38.9 19.4 29.2#

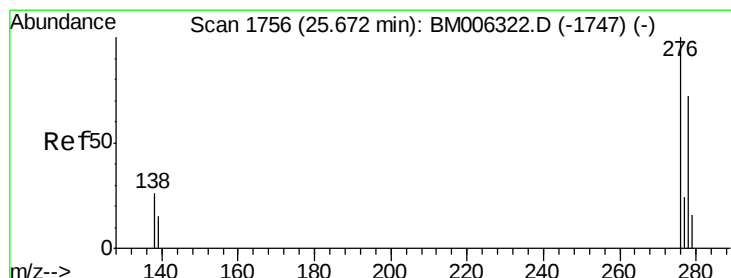
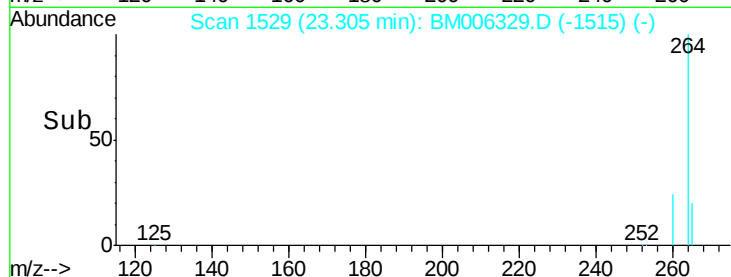
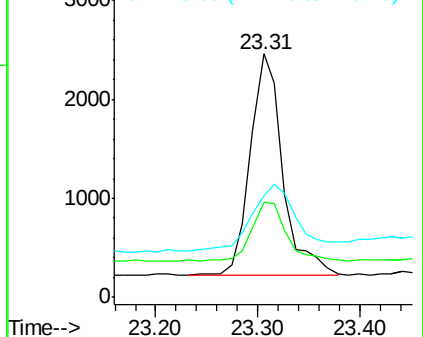
125 41.8 12.7 19.1#



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: 25.67 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BM006329.D

Acq: 07 Jul 2016 21:06

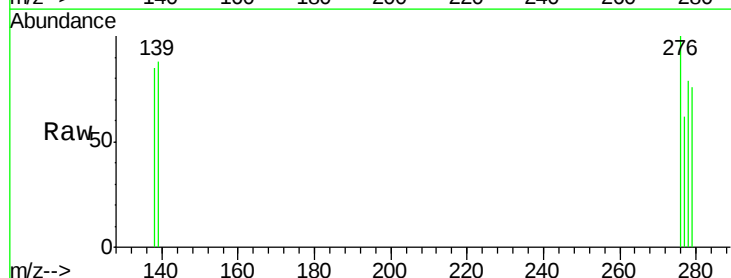
Tgt Ion: 276 Resp: 379

Ion Ratio Lower Upper

276 100

138 516.1 16.3 24.5#

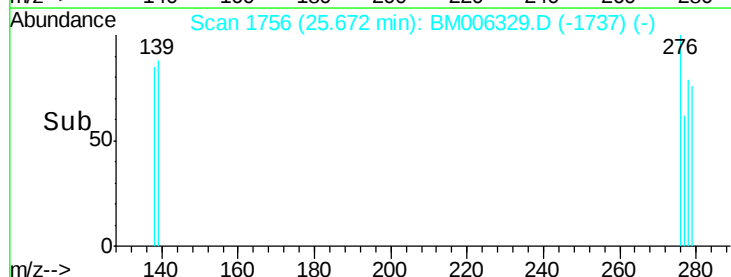
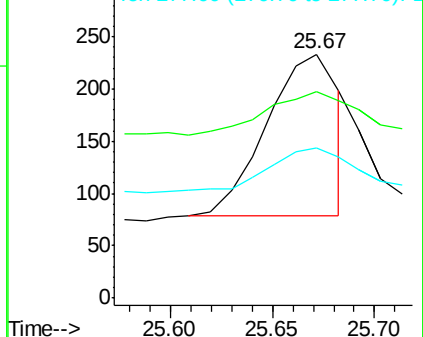
277 25.6 19.8 29.8

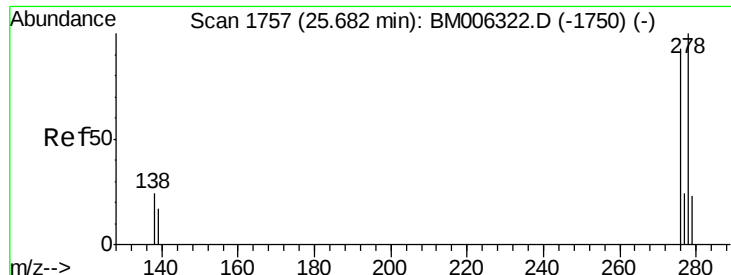


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.50 min Scan# 1740
Delta R.T. -0.18 min
Lab File: BM006329.D
Acq: 07 Jul 2016 21:06

Instrument :
BNA_M
ClientSampleId :
A4TS1

Tgt Ion: 278 Resp: 751
Ion Ratio Lower Upper
278 100
139 174.6 16.4 24.6#
279 145.6 20.2 30.2#

