

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006304.D
 Acq On : 07 Jul 2016 04:41
 Operator : UM/SJ
 Sample : H3811-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW8

Quant Time: Jul 07 05:52:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 05:51:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5131	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	20372	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11821	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1496073	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	15442	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	880793	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	11811	5.45	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	9944	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.07	212	19700	0.01	ng/ul	-0.01

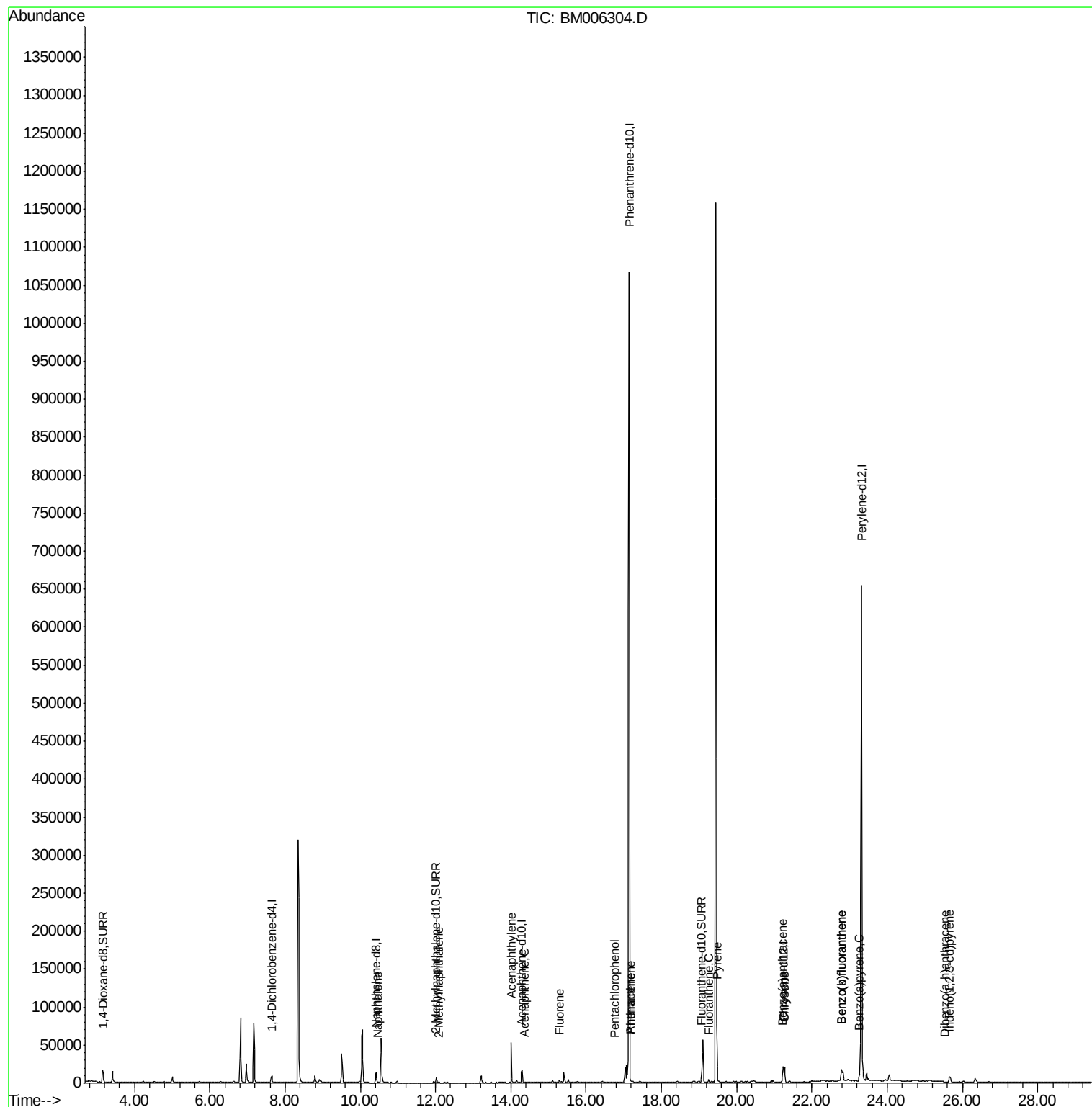
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.48	128	896	0.02	ng/ul#	71
7) 2-Methylnaphthalene	12.09	142	413	0.01	ng/ul	99
9) Acenaphthylene	14.01	152	3884	0.10	ng/ul#	94
10) Acenaphthene	14.35	153	530	0.01	ng/ul#	80
11) Fluorene	15.29	166	4482	0.10	ng/ul#	29
13) Pentachlorophenol	16.76	266	7	0.00	ng/ul#	20
14) Phenanthrene	17.18	178	3644	0.00	ng/ul#	84
15) Anthracene	17.18	178	3308	0.00	ng/ul#	84
17) Fluoranthene	19.25	202	3037	0.00	ng/ul	69
19) Pyrene	19.47	202	48853	0.76	ng/ul	96
20) Benzo(a)anthracene	21.22	228	12931	0.26	ng/ul#	89
21) Chrysene	21.27	228	19899	0.41	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	22284	0.01	ng/ul	87
24) Benzo(k)fluoranthene	22.78	252	32363	0.01	ng/ul#	89
25) Benzo(a)pyrene	23.25	252	12711	0.00	ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	25.66	276	8727	0.00	ng/ul	94
27) Dibenzo(a,h)anthracene	25.53	278	511	0.00	ng/ul#	1

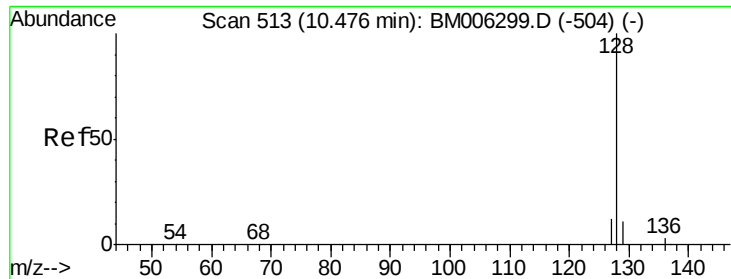
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
Data File : BM006304.D
Acq On : 07 Jul 2016 04:41
Operator : UM/SJ
Sample : H3811-20
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4TW8

Quant Time: Jul 07 05:52:10 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 05:51:09 2016
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

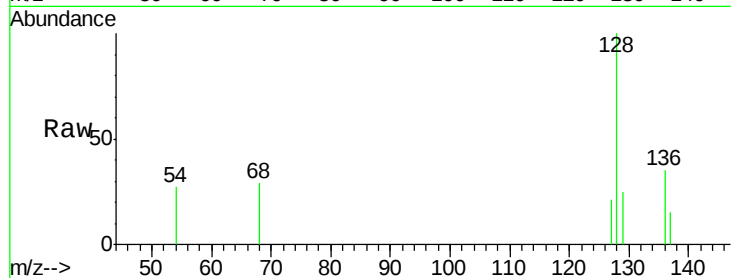
Tgt Ion:128 Resp: 896

Ion Ratio Lower Upper

128 100

129 25.0 9.0 13.6#

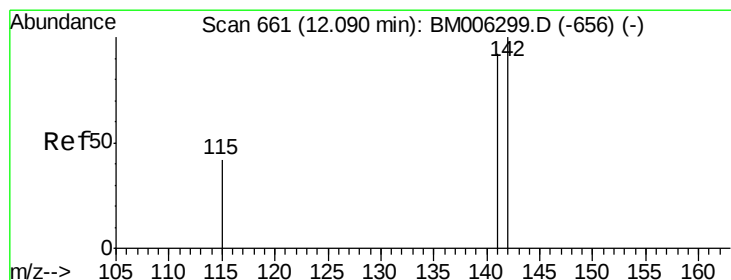
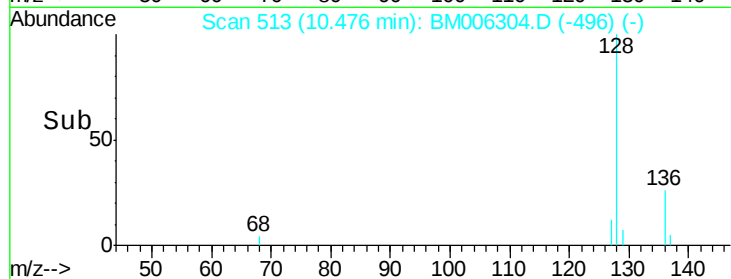
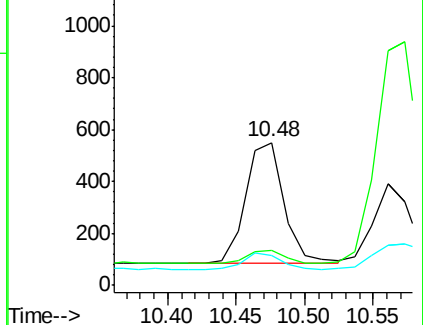
127 21.1 9.6 14.4#



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: BM006304.D

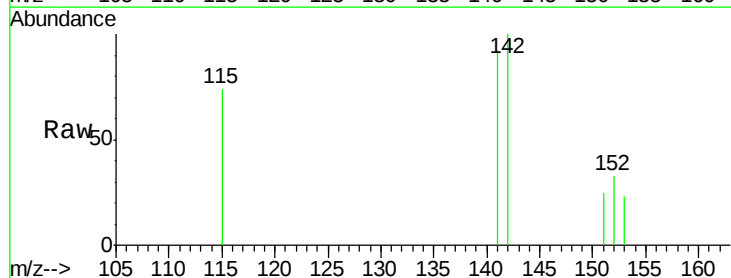
Acq: 07 Jul 2016 04:41

Tgt Ion:142 Resp: 413

Ion Ratio Lower Upper

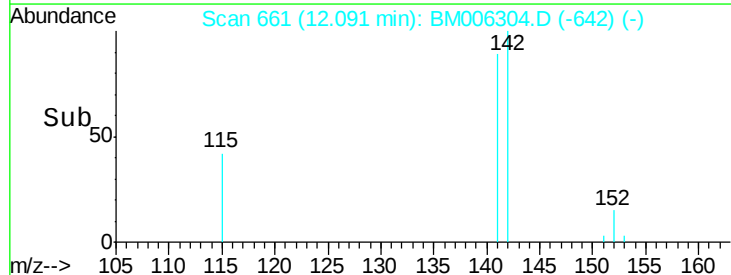
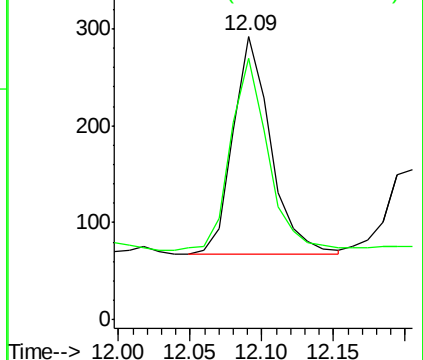
142 100

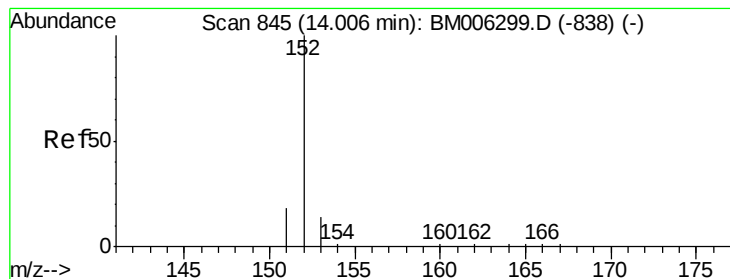
141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.10 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

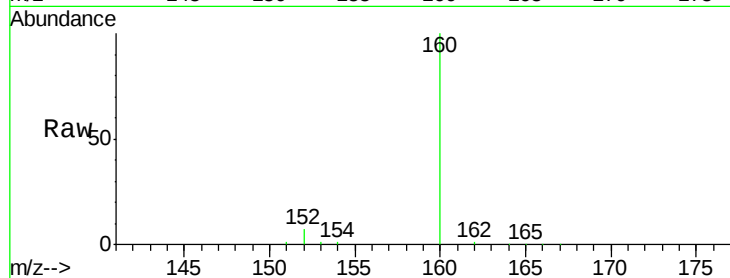
Tgt Ion:152 Resp: 3884

Ion Ratio Lower Upper

152 100

151 20.0 17.6 26.4

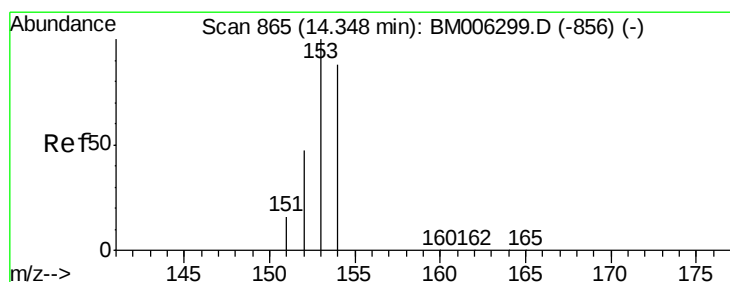
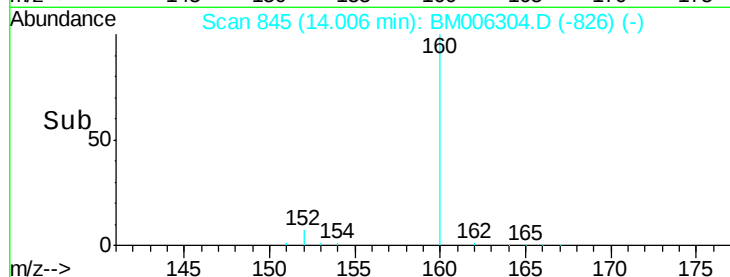
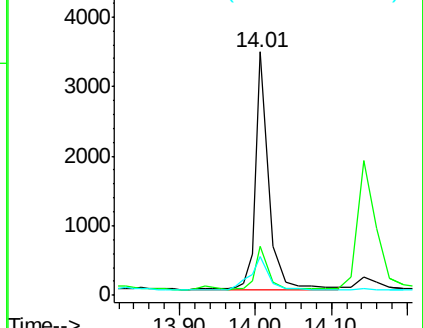
153 15.9 9.7 14.5#



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: 0.01 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

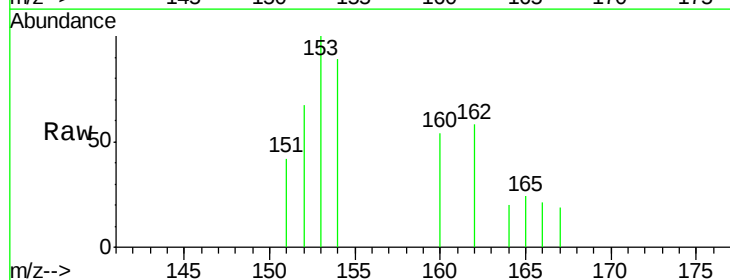
Tgt Ion:153 Resp: 530

Ion Ratio Lower Upper

153 100

152 66.9 33.9 50.9#

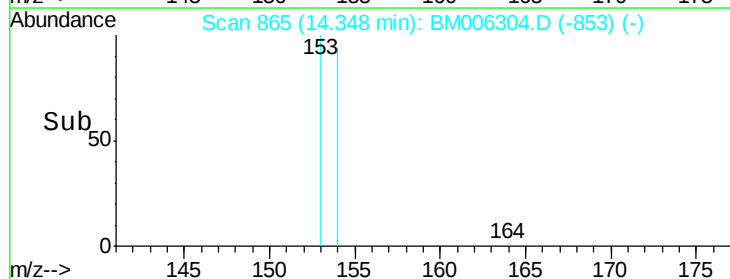
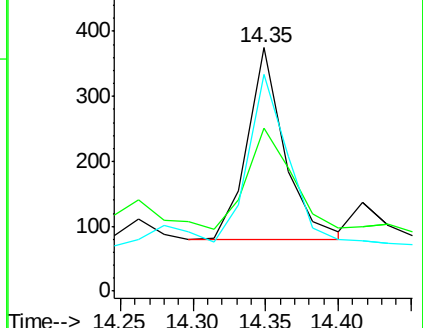
154 89.1 80.6 121.0

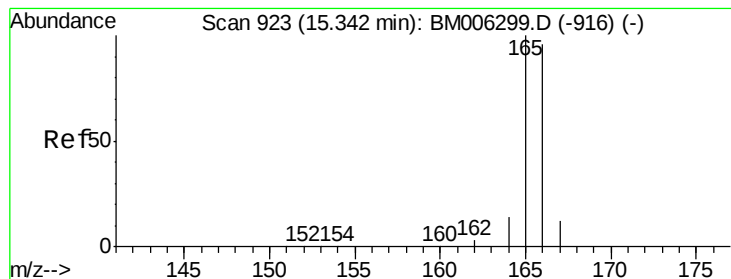


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.10 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

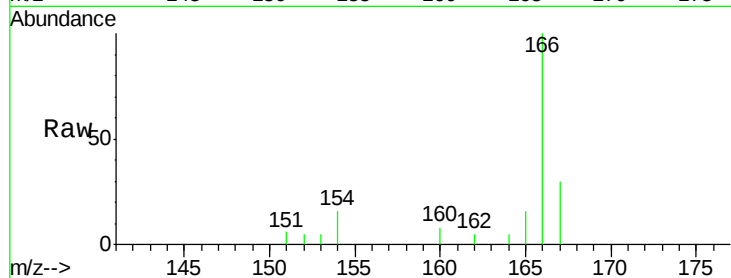
Tgt Ion:166 Resp: 4482

Ion Ratio Lower Upper

166 100

165 16.0 69.6 104.4#

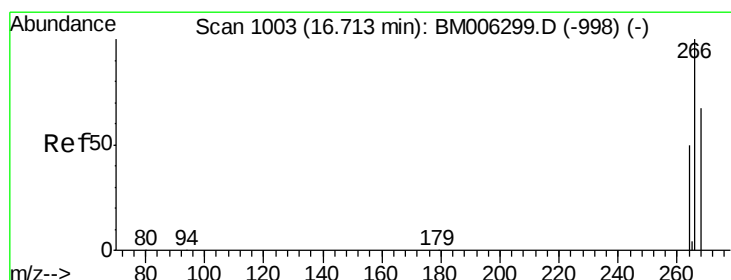
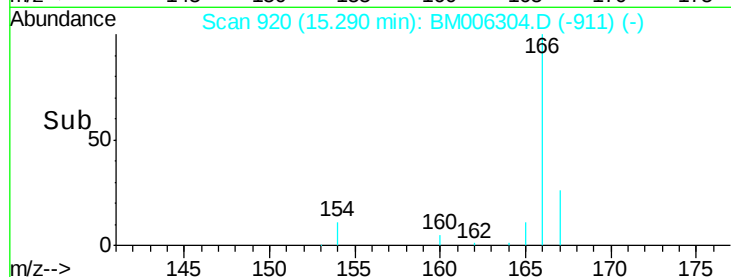
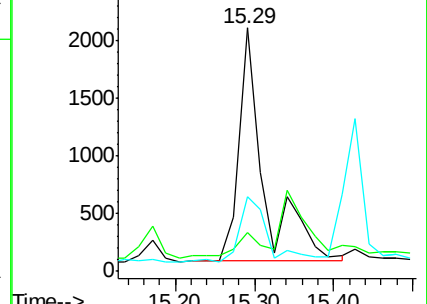
167 30.4 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.05 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

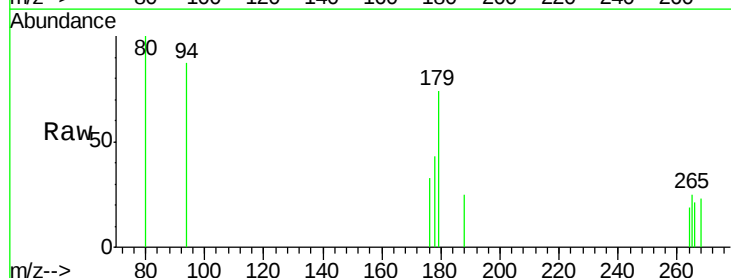
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

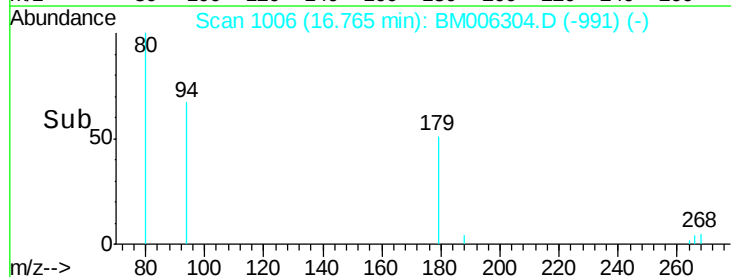
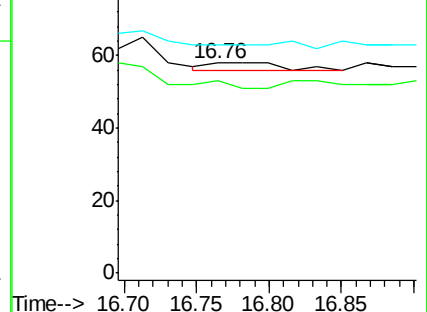
268 0.0 46.8 70.2#

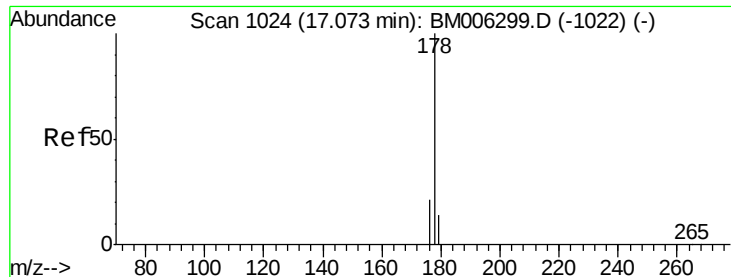


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.10 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

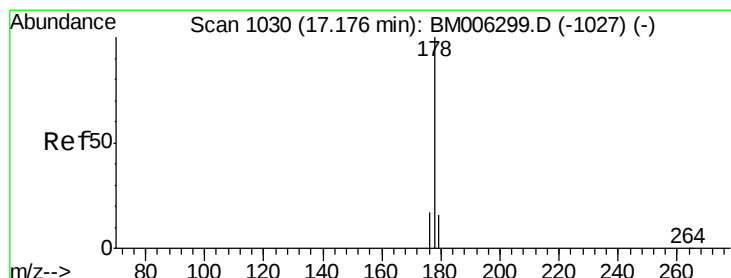
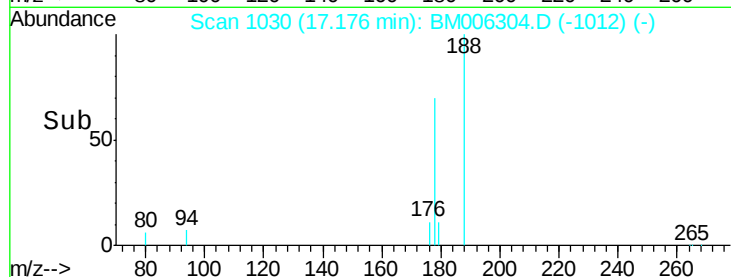
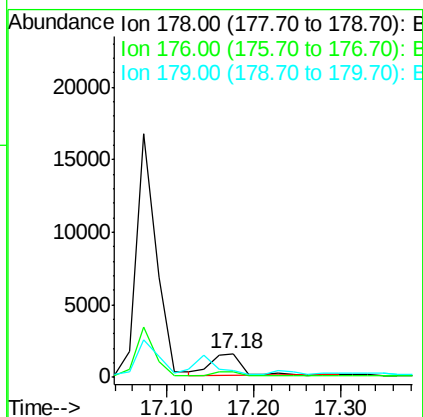
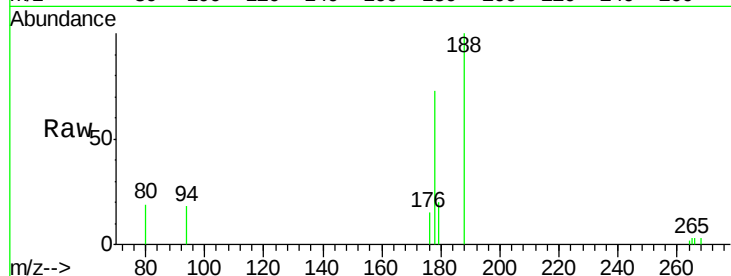
Tgt Ion:178 Resp: 3644

Ion Ratio Lower Upper

178 100

176 20.7 13.0 19.4#

179 27.1 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

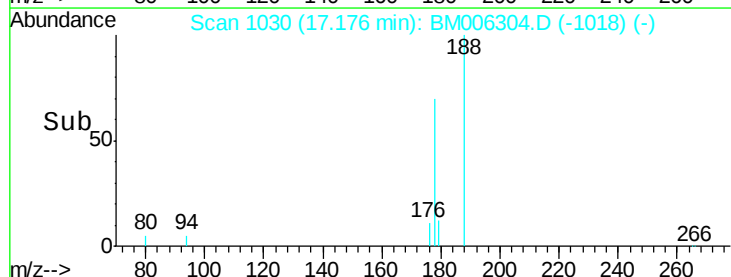
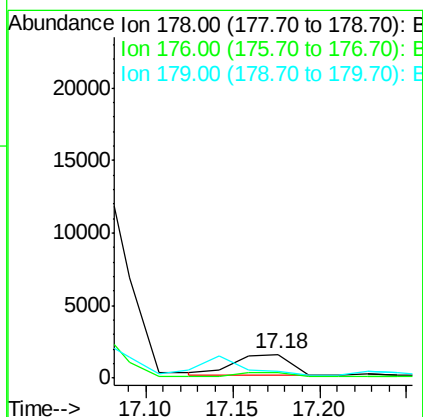
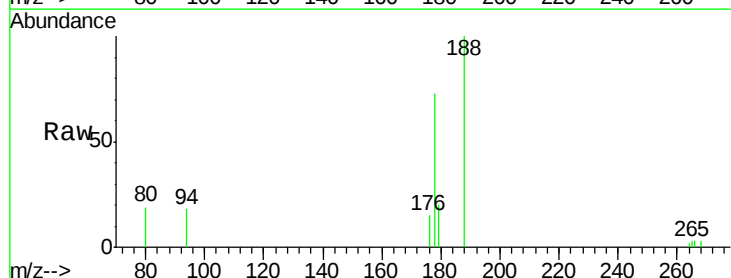
Tgt Ion:178 Resp: 3308

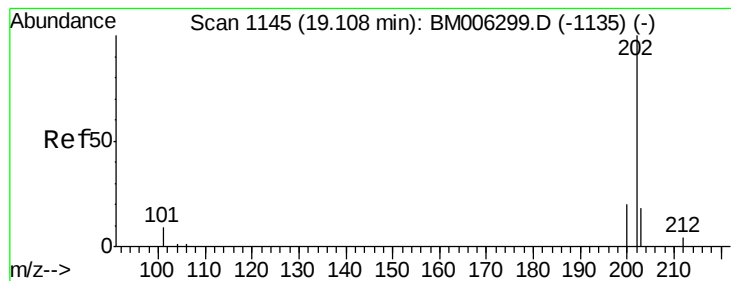
Ion Ratio Lower Upper

178 100

176 20.7 14.0 21.0

179 27.1 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.25 min Scan# 1157

Delta R.T. 0.15 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

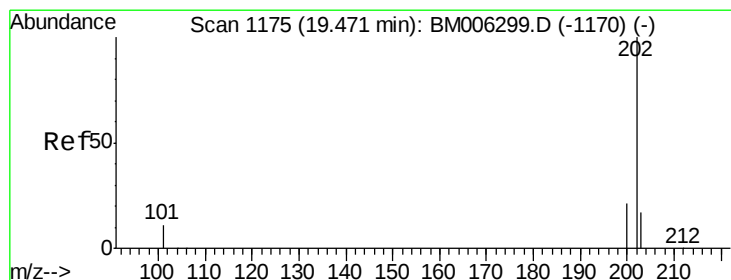
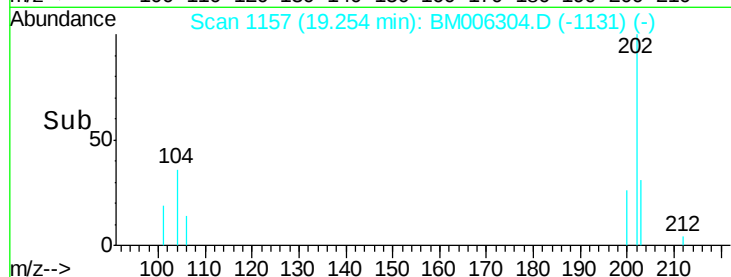
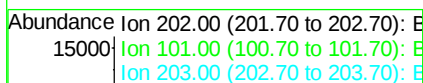
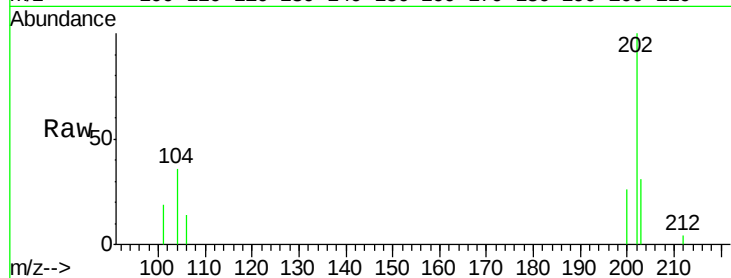
Tgt Ion:202 Resp: 3037

Ion Ratio Lower Upper

202 100

101 18.9 0.0 29.6

203 30.7 0.0 36.3



#19

Pyrene

Concen: 0.76 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

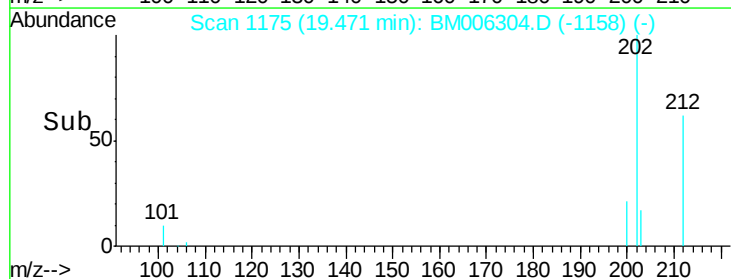
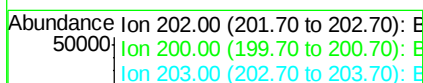
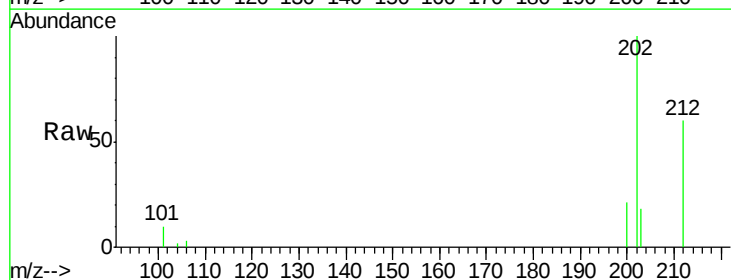
Tgt Ion:202 Resp: 48853

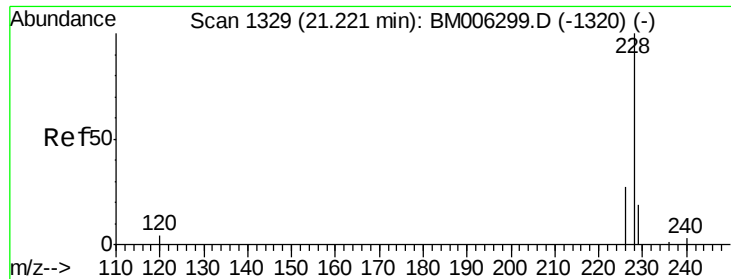
Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.8

203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.26 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

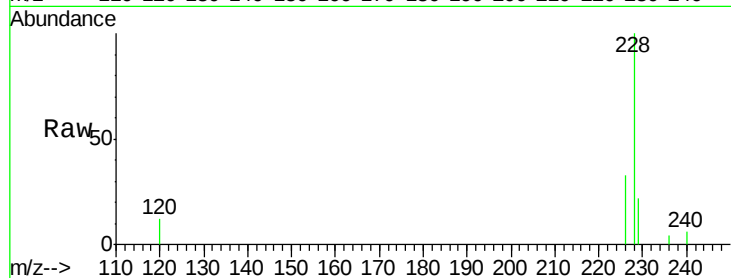
Tgt Ion:228 Resp: 12931

Ion Ratio Lower Upper

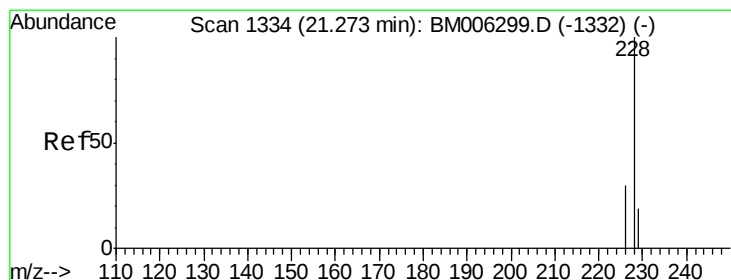
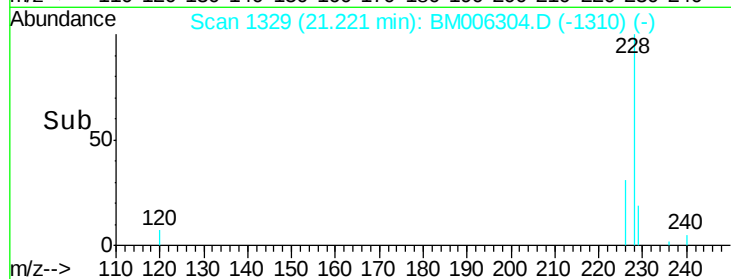
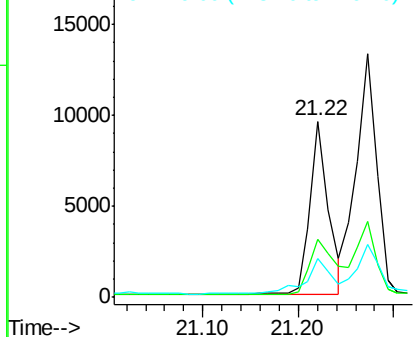
228 100

226 32.9 18.8 28.2#

229 21.9 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: 0.41 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

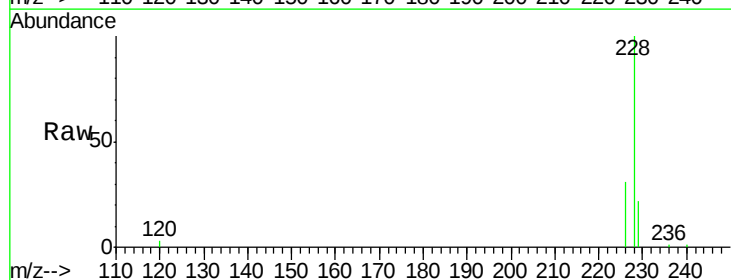
Tgt Ion:228 Resp: 19899

Ion Ratio Lower Upper

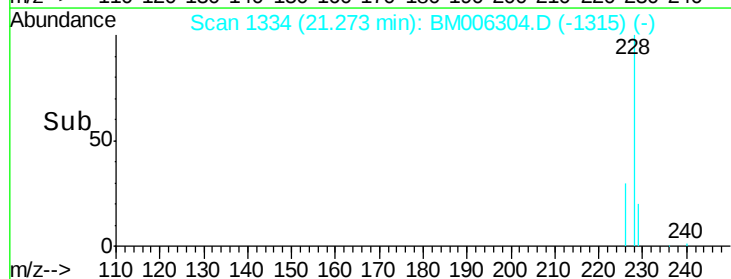
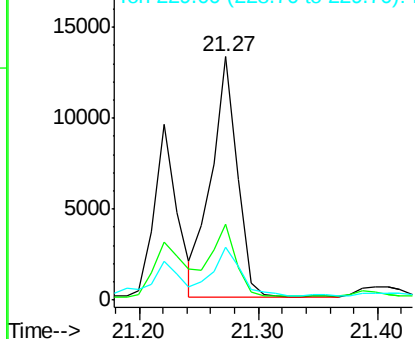
228 100

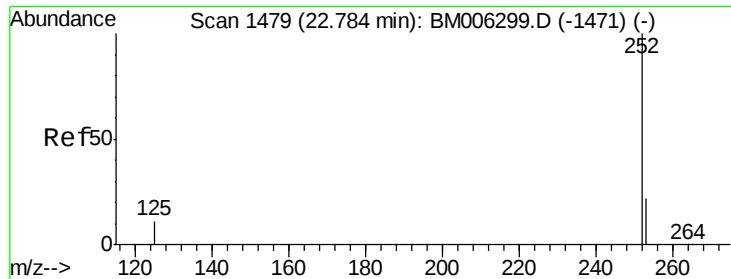
226 31.1 21.2 31.8

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: 0.01 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

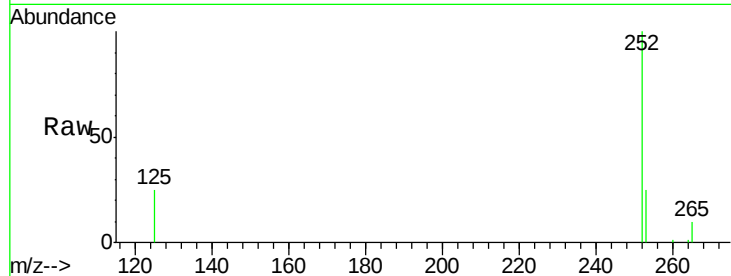
Tgt Ion:252 Resp: 22284

Ion Ratio Lower Upper

252 100

253 25.1 0.0 45.4

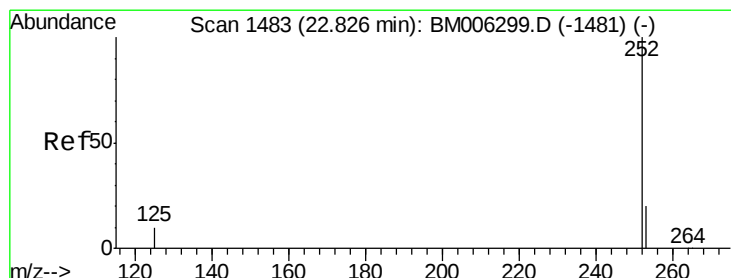
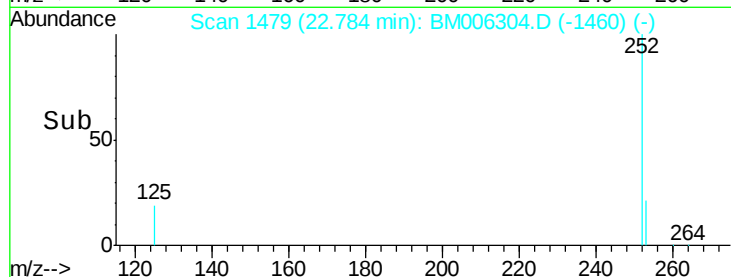
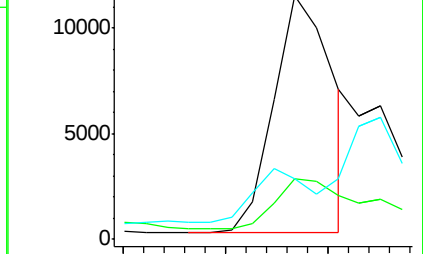
125 24.8 0.0 28.8



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: 0.01 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

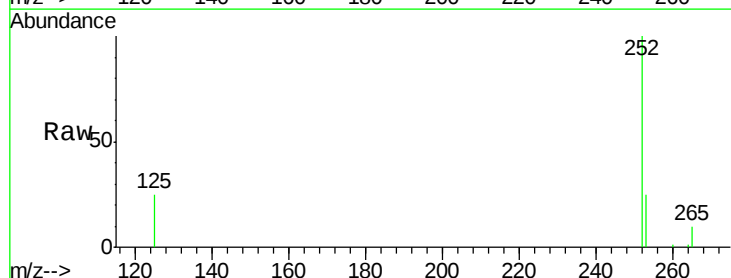
Tgt Ion:252 Resp: 32363

Ion Ratio Lower Upper

252 100

253 25.1 19.8 29.8

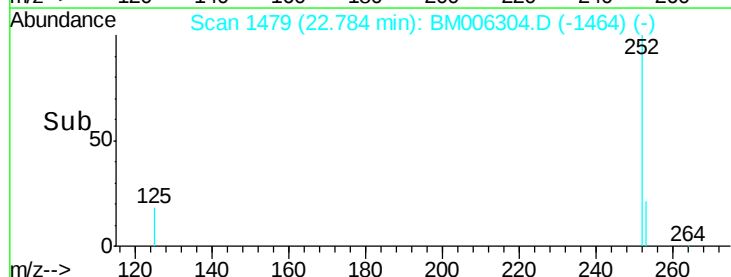
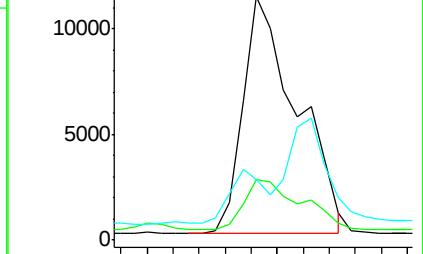
125 24.8 10.4 15.6#

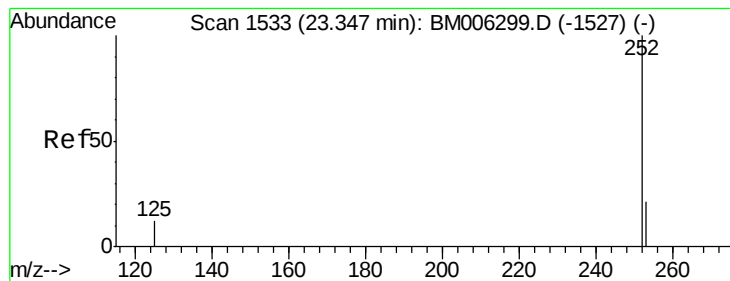


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.25 min Scan# 1524

Delta R.T. -0.09 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8

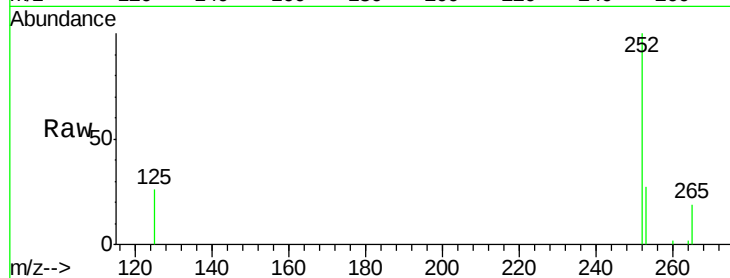
Tgt Ion:252 Resp: 12711

Ion Ratio Lower Upper

252 100

253 27.4 19.4 29.2

125 25.7 12.7 19.1#

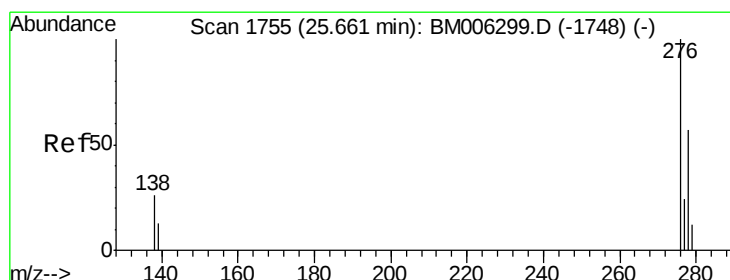
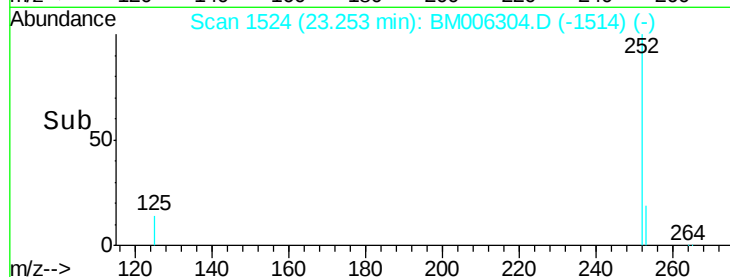
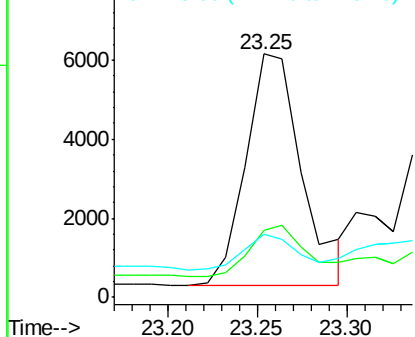


Abundance

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. 0.00 min

Lab File: BM006304.D

Acq: 07 Jul 2016 04:41

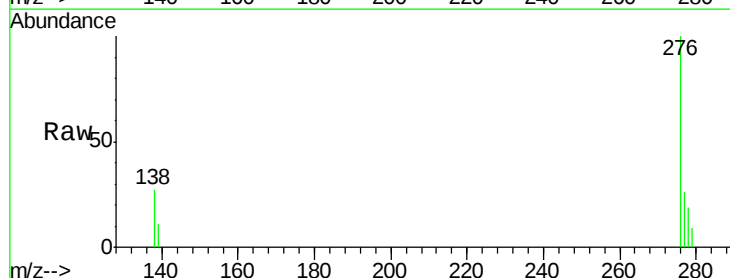
Tgt Ion:276 Resp: 8727

Ion Ratio Lower Upper

276 100

138 23.5 16.3 24.5

277 22.0 19.8 29.8

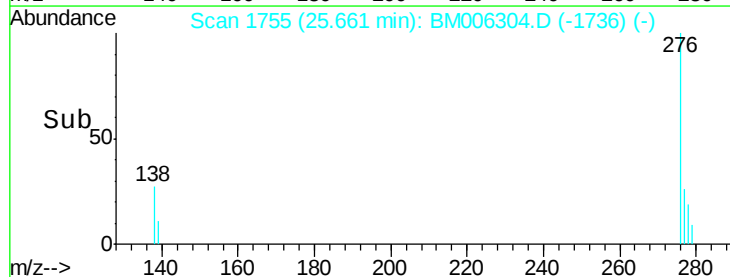
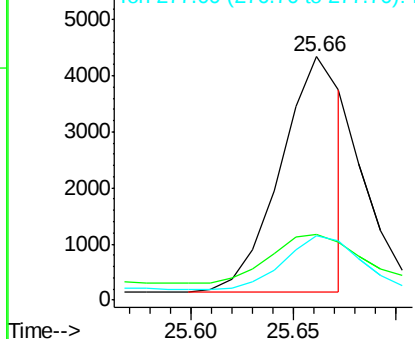


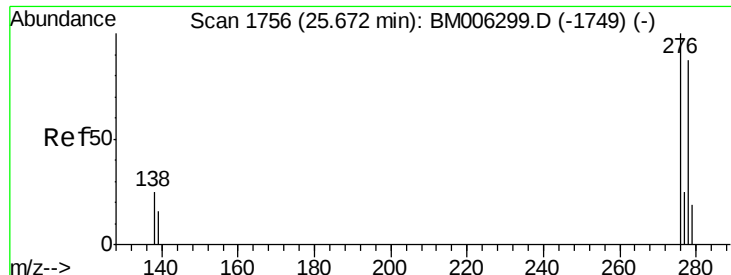
Abundance

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: 25.53 min Scan# 1742

Delta R.T. -0.15 min

Lab File: BM006304.D

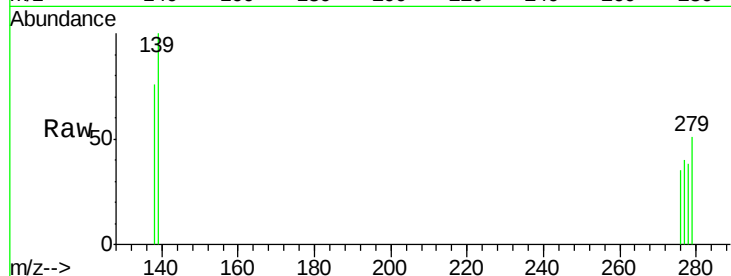
Acq: 07 Jul 2016 04:41

Instrument :

BNA_M

ClientSampleId :

A4TW8



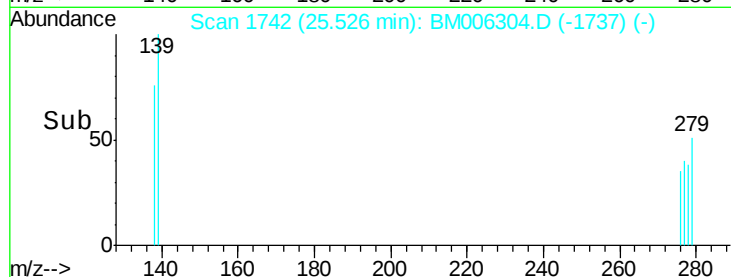
Tgt Ion: 278 Resp: 511

Ion Ratio Lower Upper

278 100

139 265.7 16.4 24.6#

279 136.7 20.2 30.2#



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

