

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006302.D
 Acq On : 07 Jul 2016 03:29
 Operator : UM/SJ
 Sample : H3811-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW6

Quant Time: Jul 07 05:51:50 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	5001	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	19625	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	11189	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1397797	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	14418	0.40	ng/ul	0.00
22) Perylene-d12	23.32	264	877386	0.40	ng/ul	-0.13

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	11789	5.58	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	9582	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	17467	0.01	ng/ul	0.00

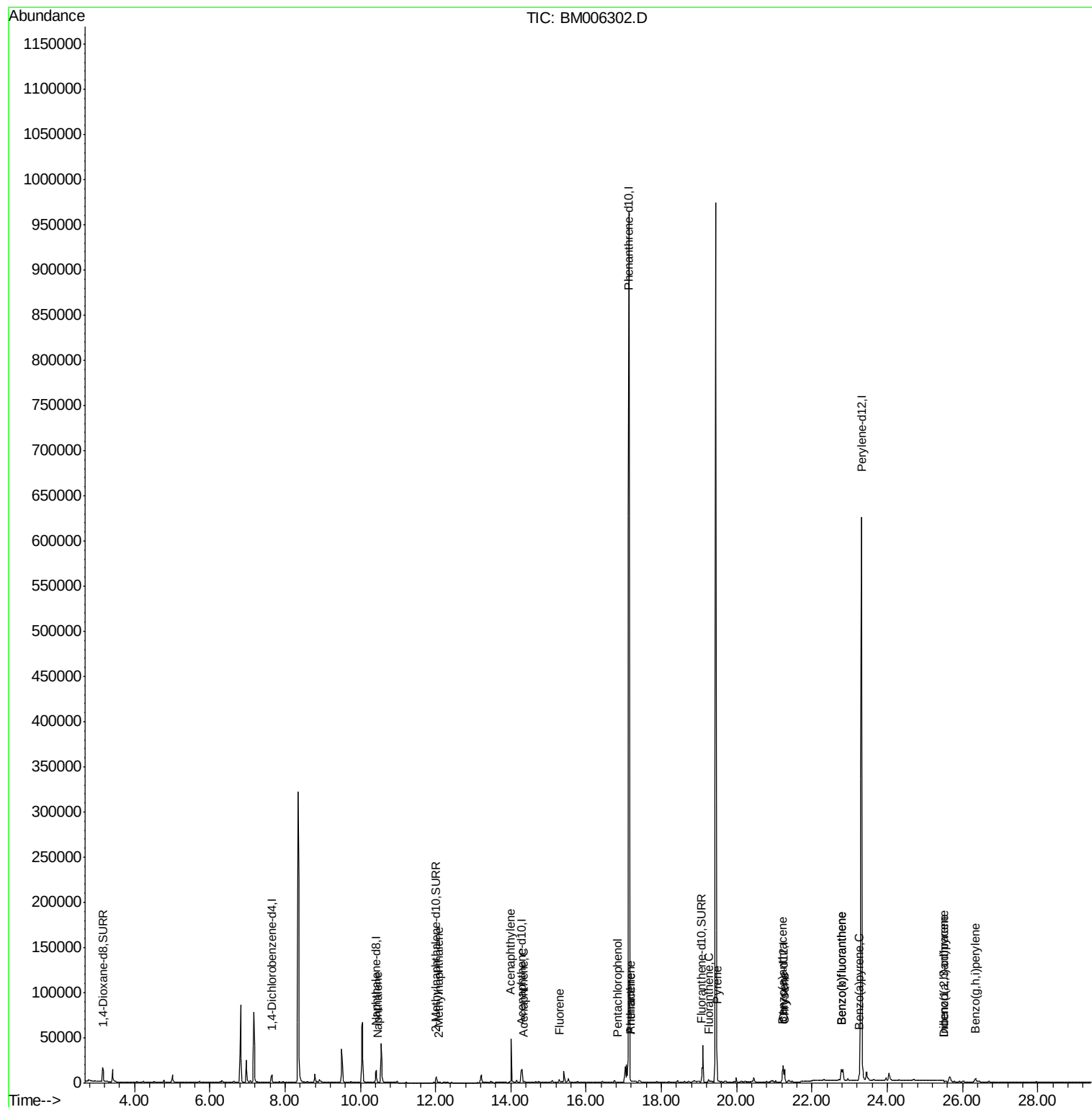
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	777	0.02	ng/ul#	65
7) 2-Methylnaphthalene	12.09	142	353	0.01	ng/ul	96
9) Acenaphthylene	14.01	152	3148	0.08	ng/ul#	95
10) Acenaphthene	14.35	153	555	0.01	ng/ul#	71
11) Fluorene	15.29	166	3137	0.07	ng/ul#	29
13) Pentachlorophenol	16.83	266	6	0.00	ng/ul#	17
14) Phenanthrene	17.18	178	2862	0.00	ng/ul#	79
15) Anthracene	17.18	178	2808	0.00	ng/ul#	79
17) Fluoranthene	19.26	202	2367	0.00	ng/ul	74
19) Pyrene	19.48	202	36444	0.60	ng/ul#	91
20) Benzo(a)anthracene	21.22	228	11182	0.24	ng/ul#	84
21) Chrysene	21.28	228	14643	0.32	ng/ul	95
23) Benzo(b)fluoranthene	22.79	252	17910	0.01	ng/ul#	78
24) Benzo(k)fluoranthene	22.79	252	24707	0.01	ng/ul#	81
25) Benzo(a)pyrene	23.26	252	9667	0.00	ng/ul#	84
26) Indeno(1,2,3-cd)pyrene	25.51	276	906	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.52	278	525	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.34	276	7304	0.00	ng/ul	96

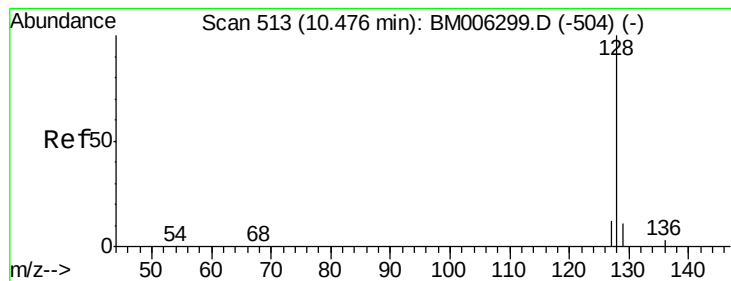
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

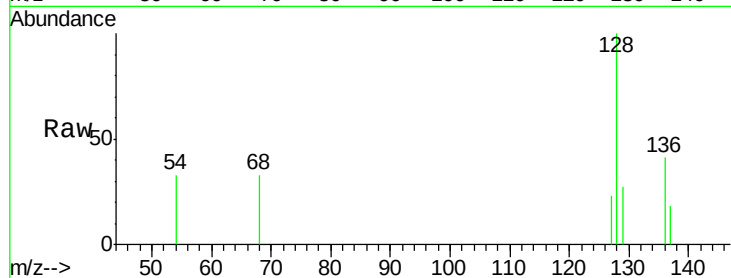
Tgt Ion:128 Resp: 777

Ion Ratio Lower Upper

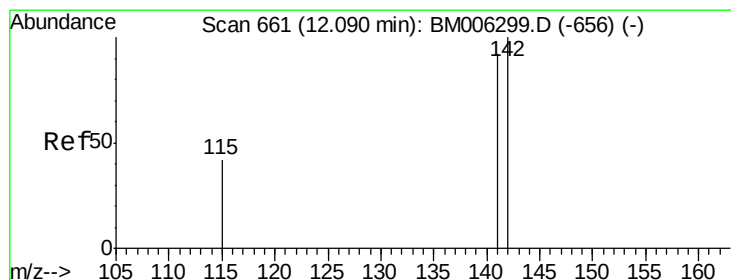
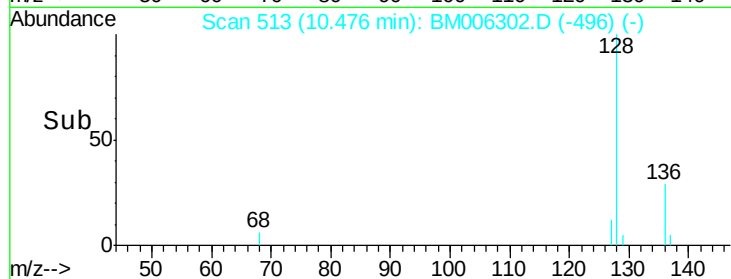
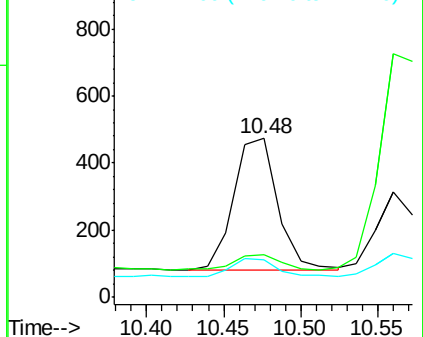
128 100

129 26.8 9.0 13.6#

127 23.2 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: BM006302.D

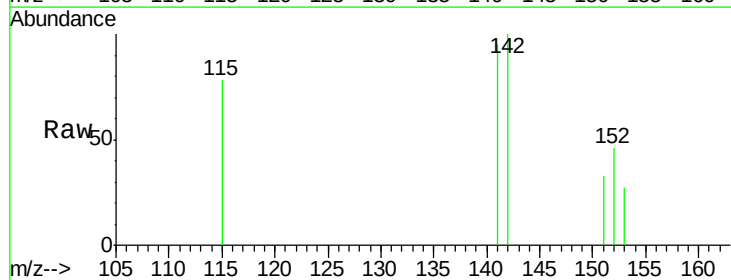
Acq: 07 Jul 2016 03:29

Tgt Ion:142 Resp: 353

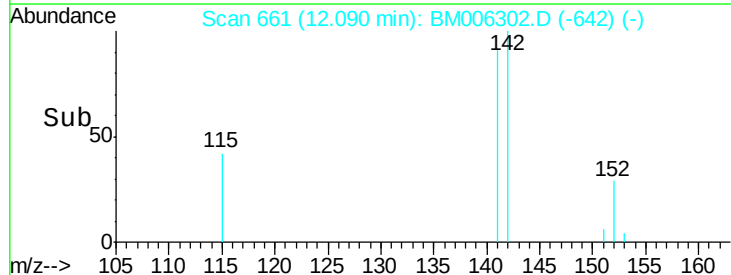
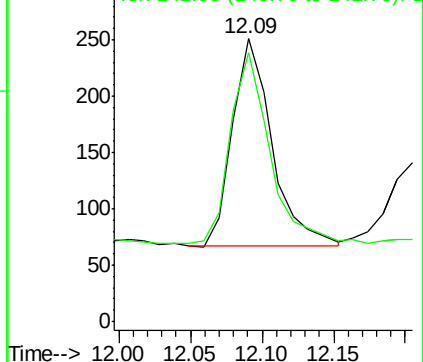
Ion Ratio Lower Upper

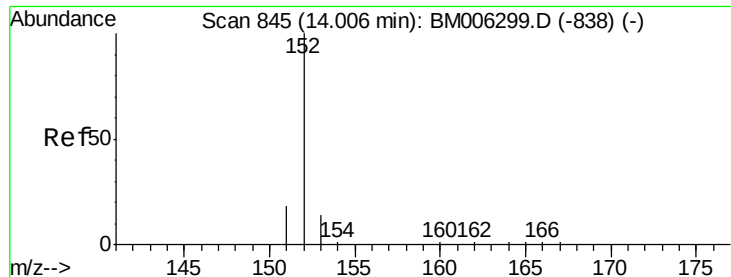
142 100

141 92.1 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: 0.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

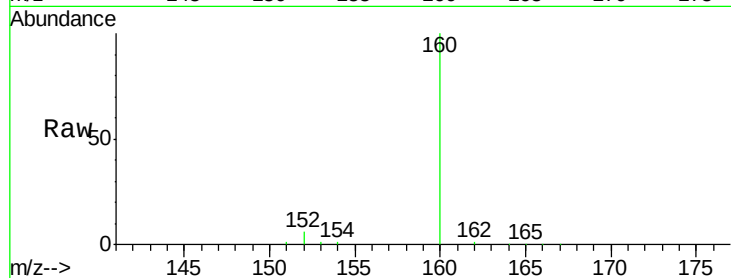
Tgt Ion:152 Resp: 3148

Ion Ratio Lower Upper

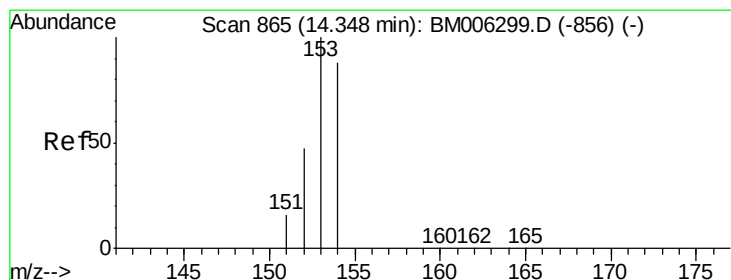
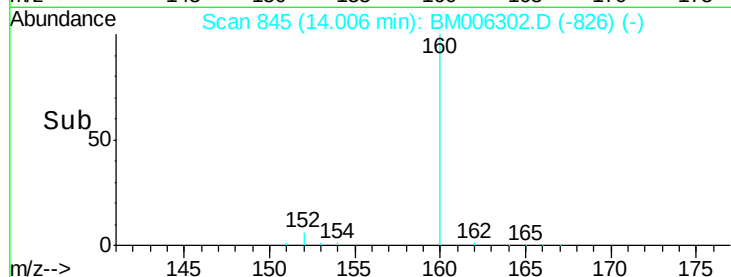
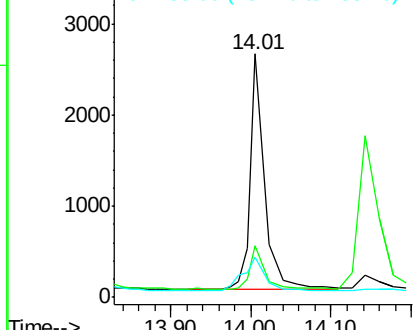
152 100

151 21.0 17.6 26.4

153 16.4 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: BM006302.D

Acq: 07 Jul 2016 03:29

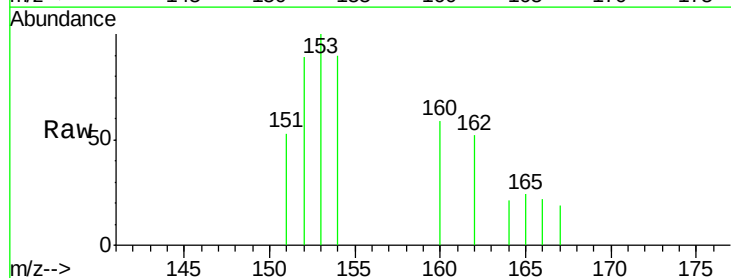
Tgt Ion:153 Resp: 555

Ion Ratio Lower Upper

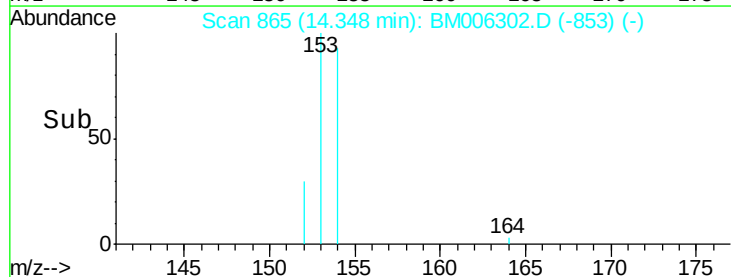
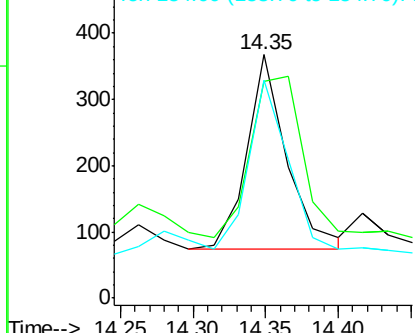
153 100

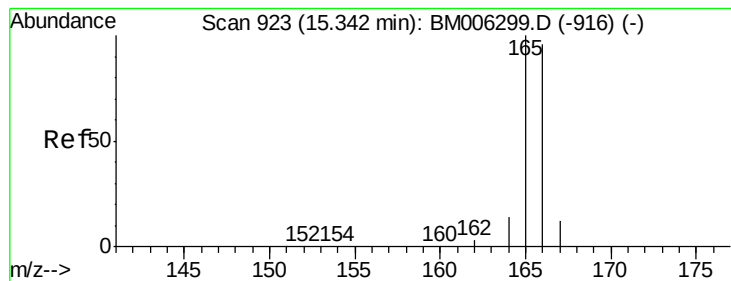
152 88.9 33.9 50.9#

154 89.7 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: 0.07 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

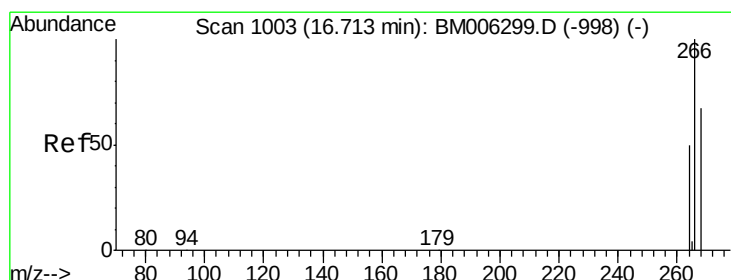
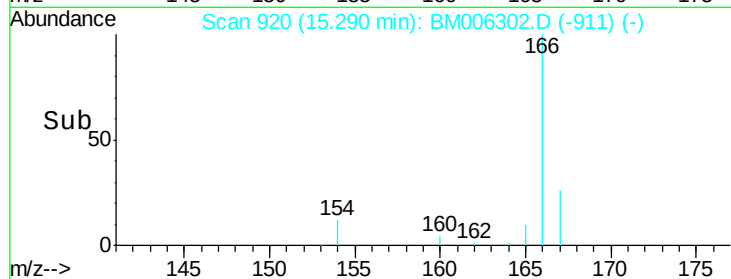
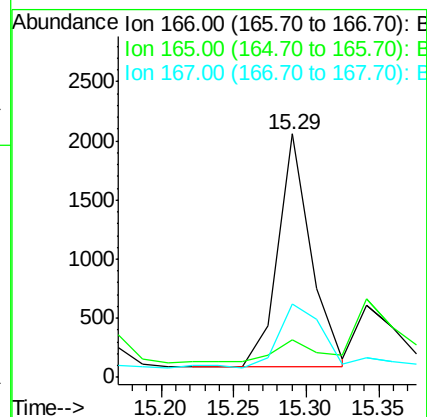
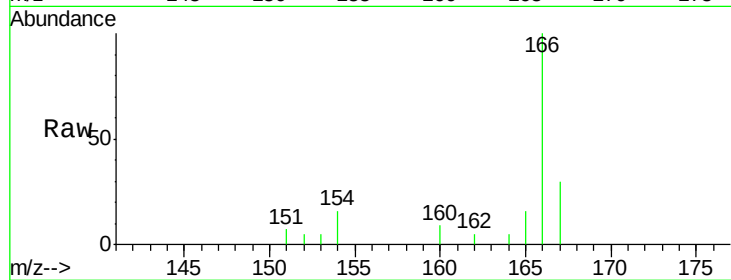
Tgt Ion:166 Resp: 3137

Ion Ratio Lower Upper

166 100

165 15.5 69.6 104.4#

167 29.9 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: BM006302.D

Acq: 07 Jul 2016 03:29

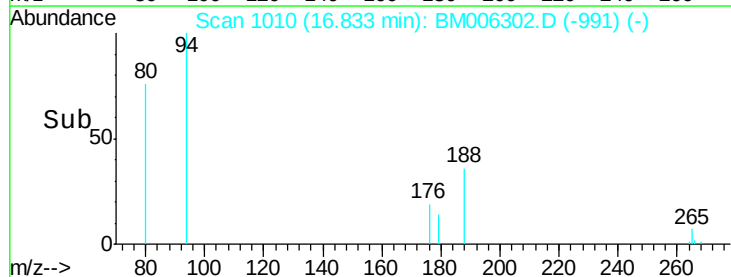
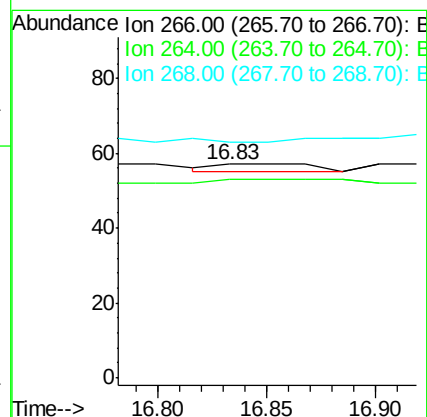
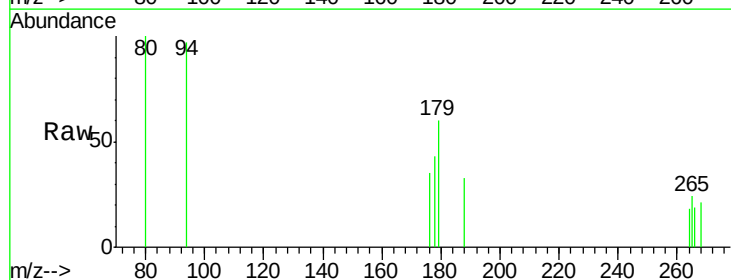
Tgt Ion:266 Resp: 6

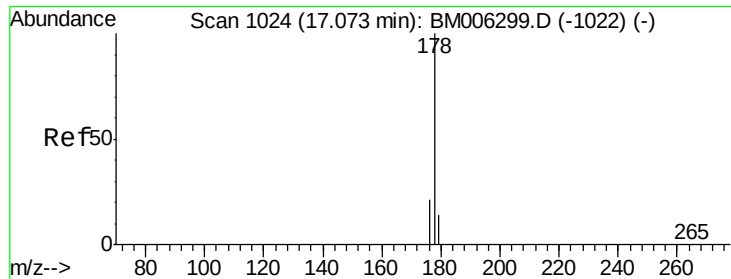
Ion Ratio Lower Upper

266 100

264 133.3 51.8 77.8#

268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.10 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

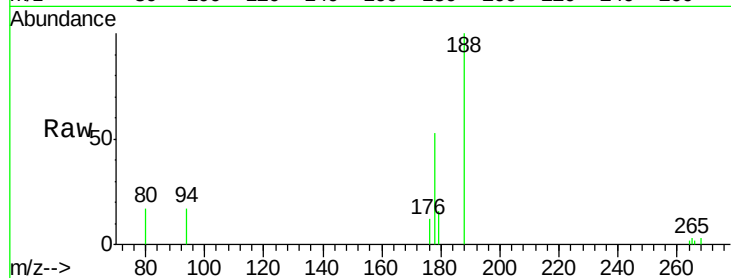
Tgt Ion:178 Resp: 2862

Ion Ratio Lower Upper

178 100

176 21.8 13.0 19.4#

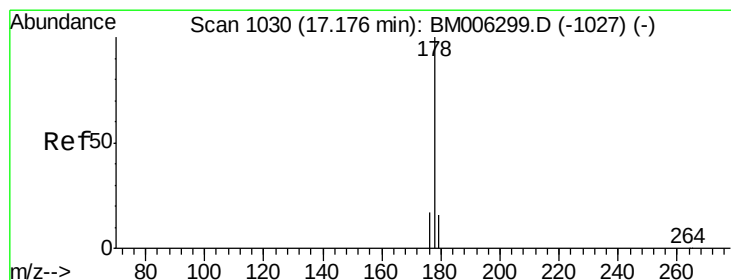
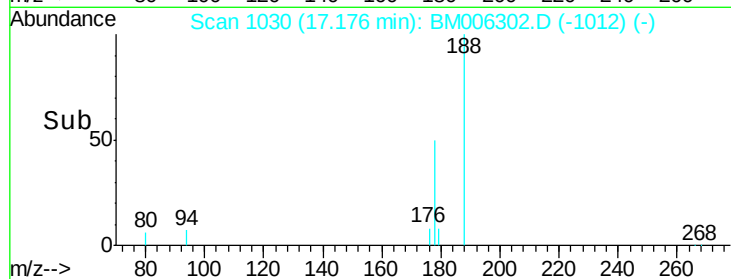
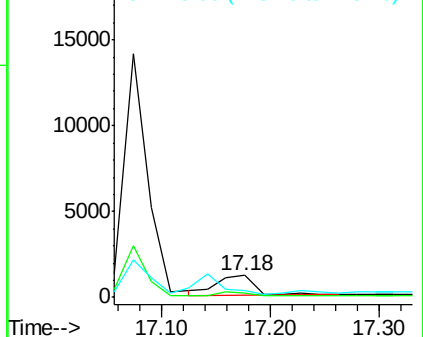
179 30.3 14.2 21.2#



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: 17.18 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

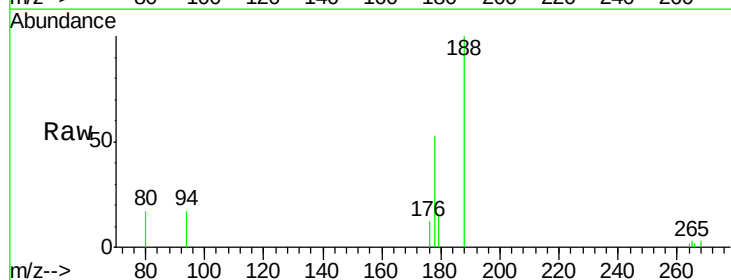
Tgt Ion:178 Resp: 2808

Ion Ratio Lower Upper

178 100

176 21.8 14.0 21.0#

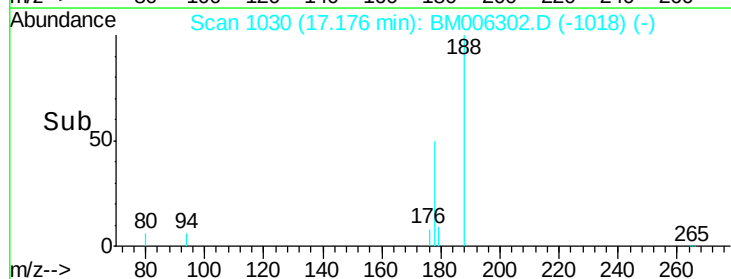
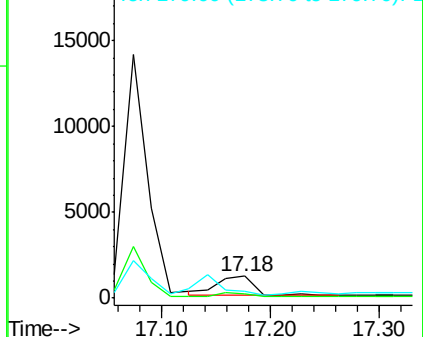
179 30.3 12.9 19.3#

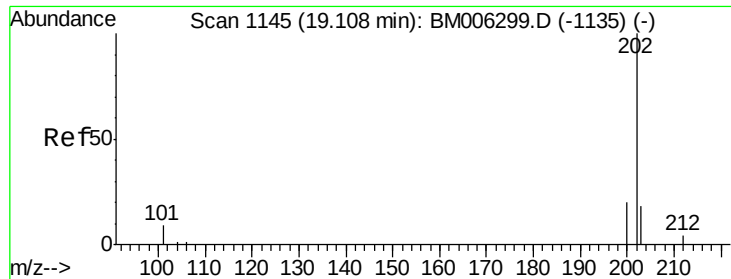


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

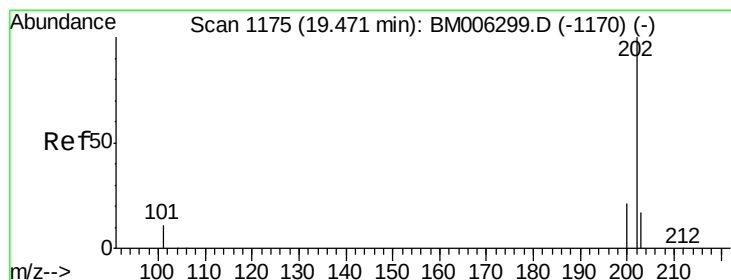
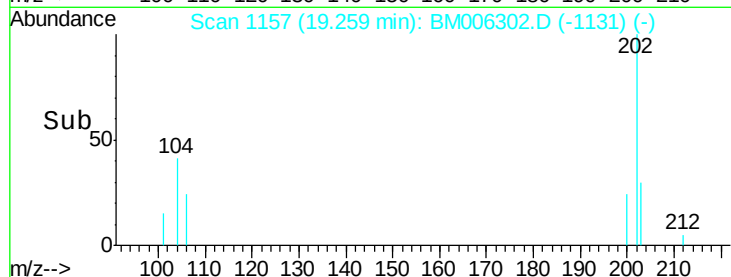
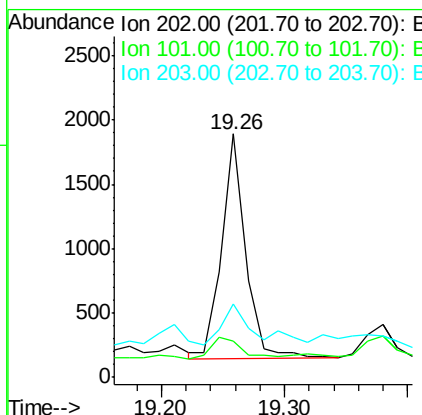
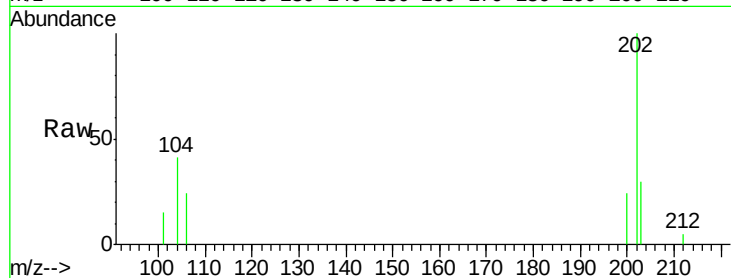




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.26 min Scan# 1157
Delta R.T. 0.15 min
Lab File: BM006302.D
Acq: 07 Jul 2016 03:29

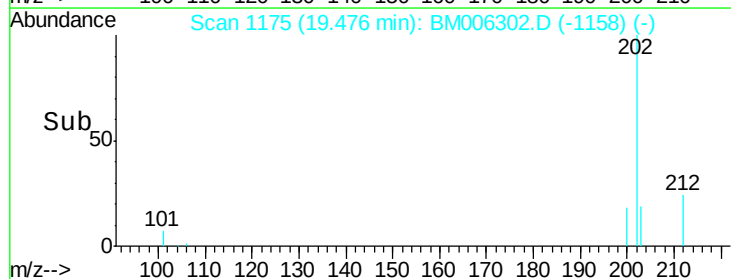
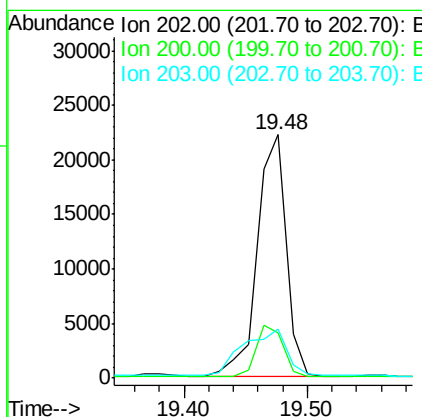
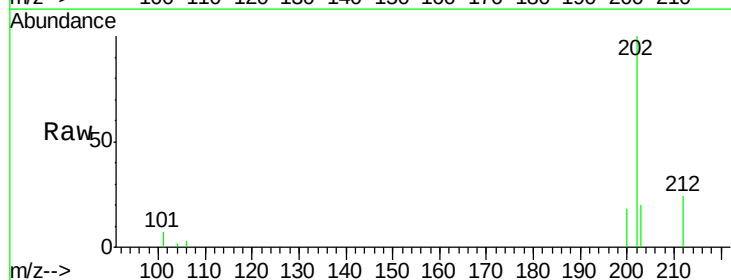
Instrument :
BNA_M
ClientSampleId :
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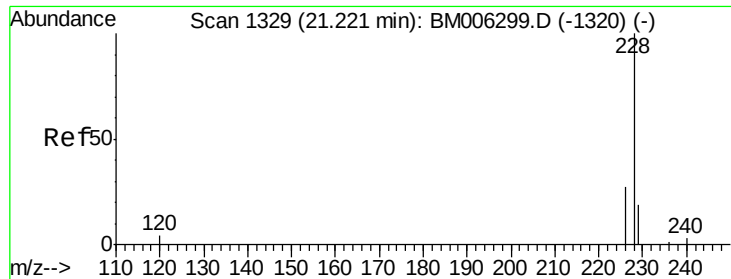
Tgt Ion:202 Resp: 2367
Ion Ratio Lower Upper
202 100
101 15.1 0.0 29.6
203 30.2 0.0 36.3



#19
Pyrene
Concen: 0.60 ng/ul
RT: 19.48 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BM006302.D
Acq: 07 Jul 2016 03:29

Tgt Ion:202 Resp: 36444
Ion Ratio Lower Upper
202 100
200 18.5 17.8 26.8
203 20.0 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.24 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

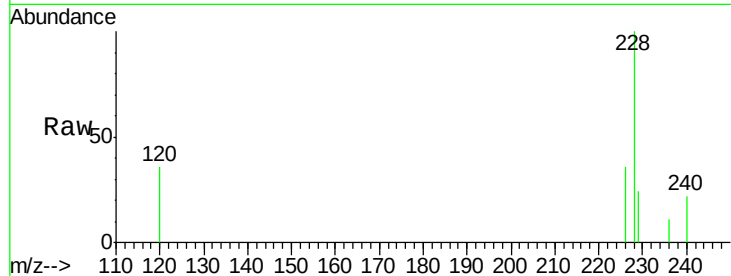
Tgt Ion:228 Resp: 11182

Ion Ratio Lower Upper

228 100

226 35.9 18.8 28.2#

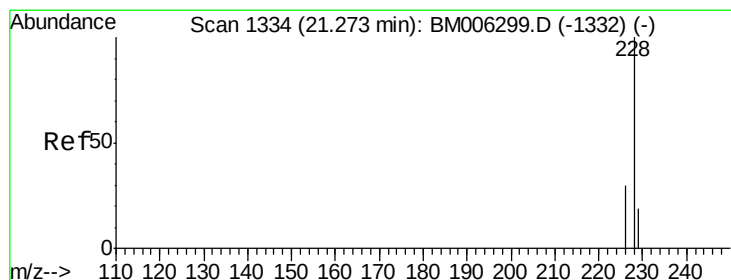
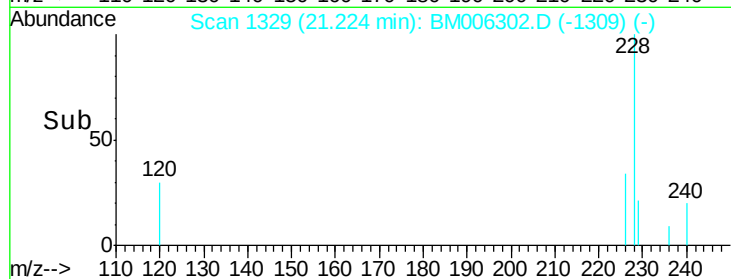
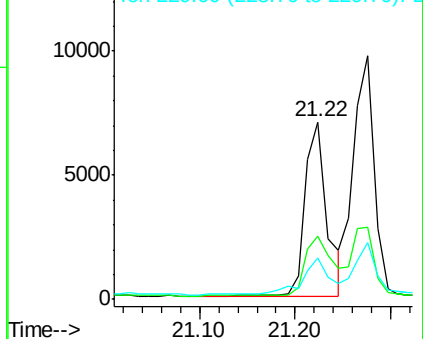
229 23.7 17.1 25.7



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: 0.32 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

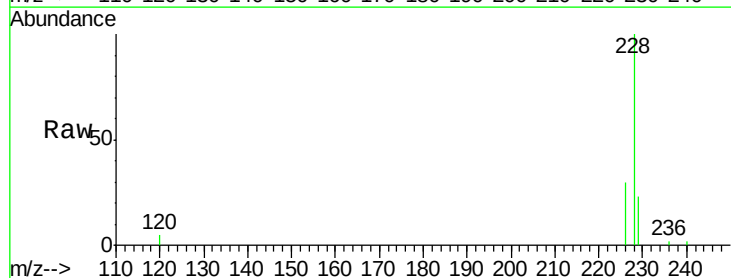
Tgt Ion:228 Resp: 14643

Ion Ratio Lower Upper

228 100

226 29.7 21.2 31.8

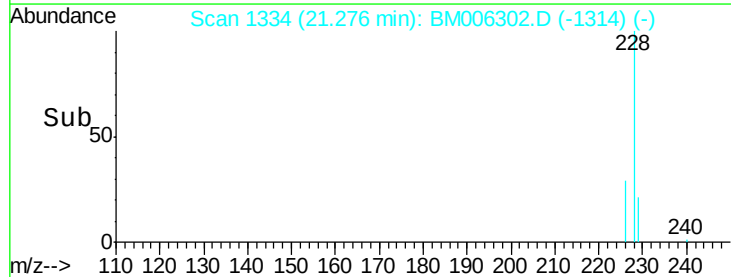
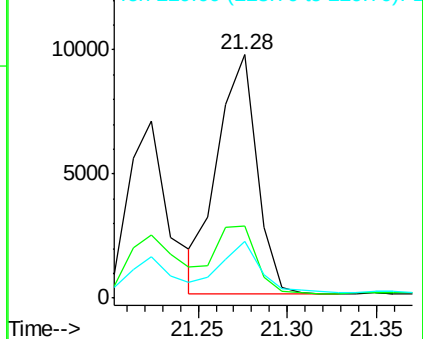
229 23.2 17.0 25.6

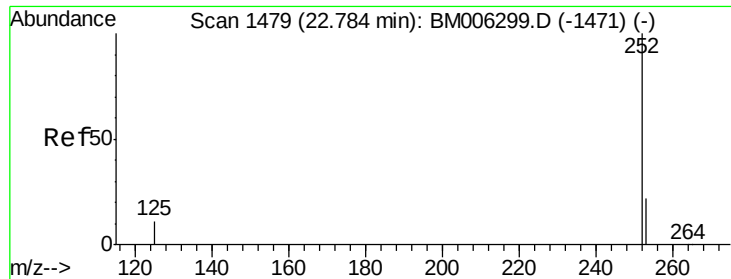


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

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A4TW6

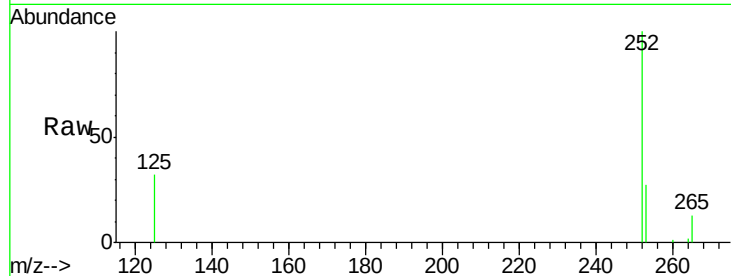
Tgt Ion:252 Resp: 17910

Ion Ratio Lower Upper

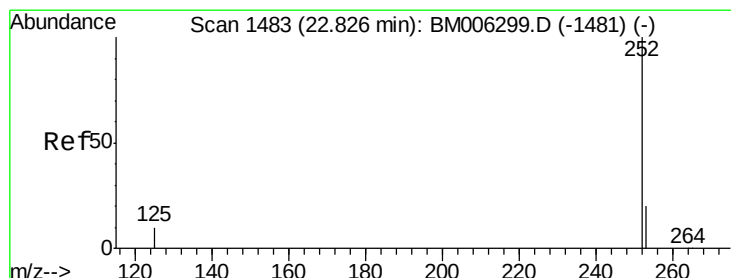
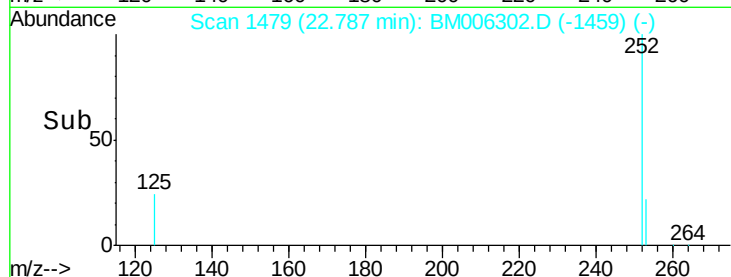
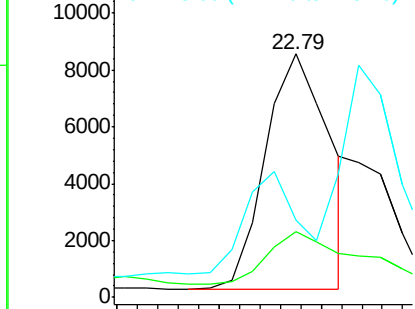
252 100

253 27.0 0.0 45.4

125 31.6 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/ul

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

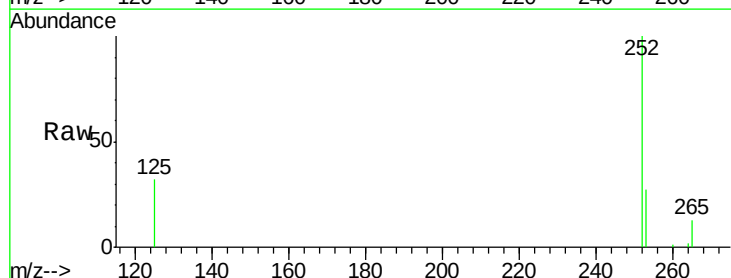
Tgt Ion:252 Resp: 24707

Ion Ratio Lower Upper

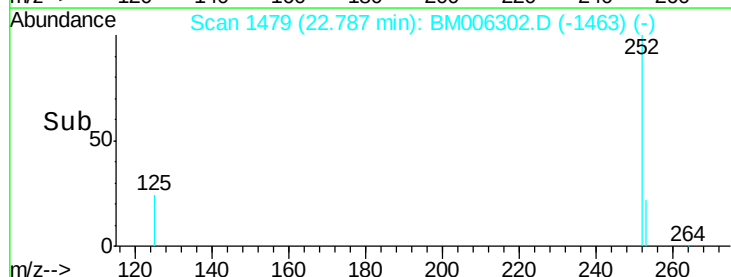
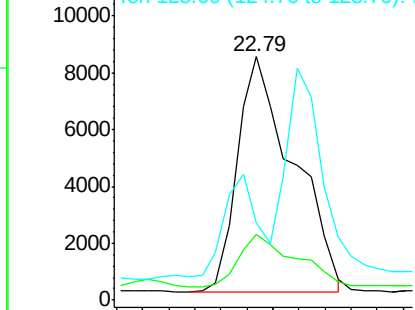
252 100

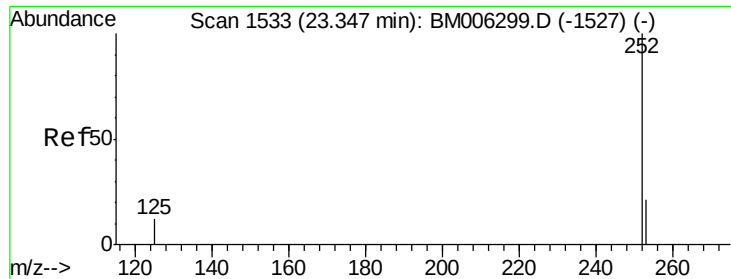
253 27.0 19.8 29.8

125 31.6 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: 23.26 min Scan# 1524

Delta R.T. -0.09 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

Instrument :

BNA_M

ClientSampleId :

A4TW6

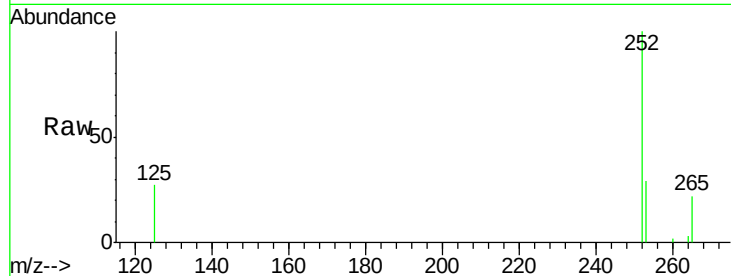
Tgt Ion:252 Resp: 9667

Ion Ratio Lower Upper

252 100

253 29.0 19.4 29.2

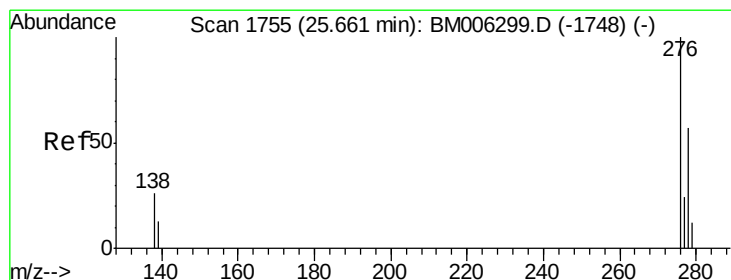
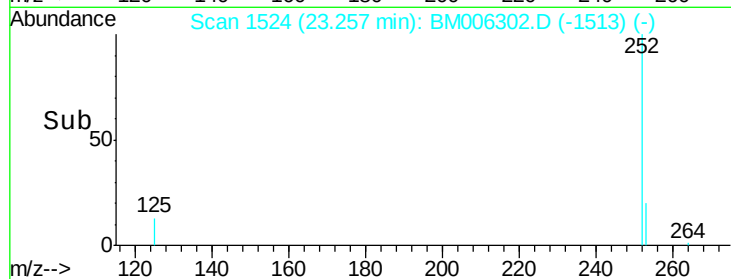
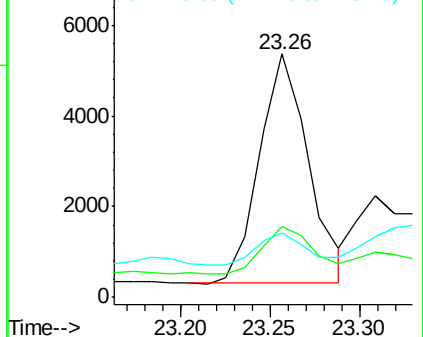
125 26.6 12.7 19.1#



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: 25.51 min Scan# 1740

Delta R.T. -0.15 min

Lab File: BM006302.D

Acq: 07 Jul 2016 03:29

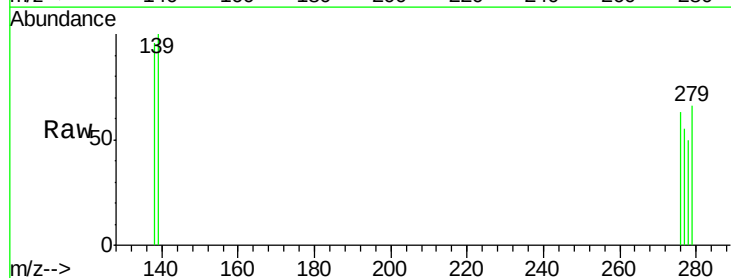
Tgt Ion:276 Resp: 906

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

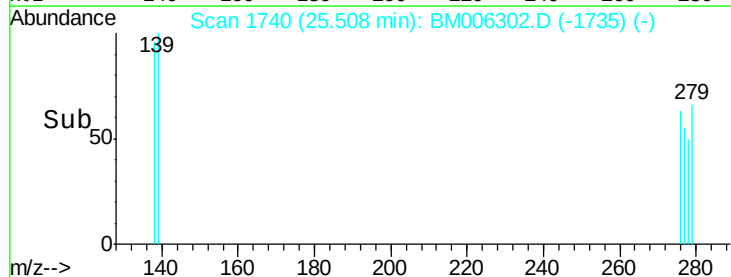
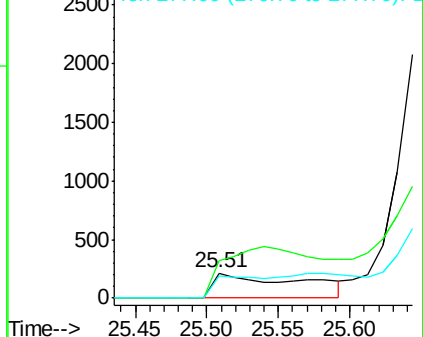
277 0.0 19.8 29.8#

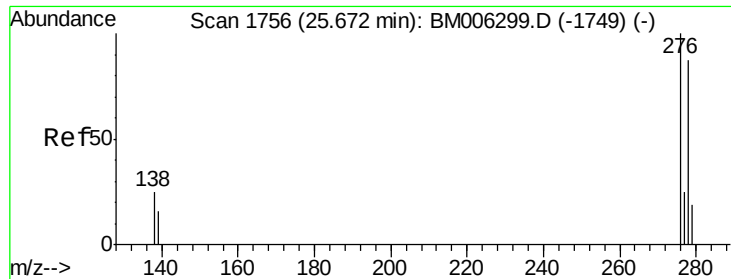


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

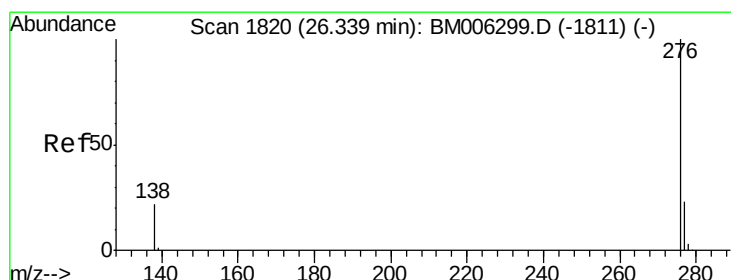
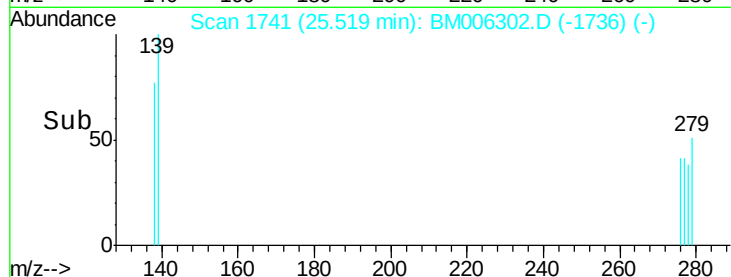
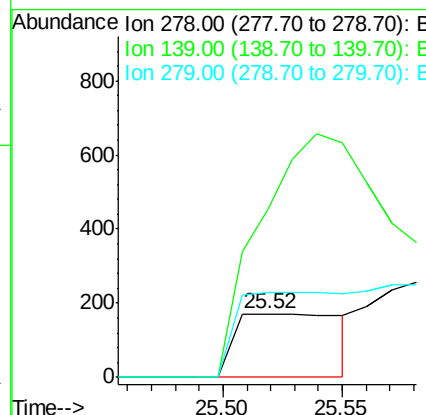
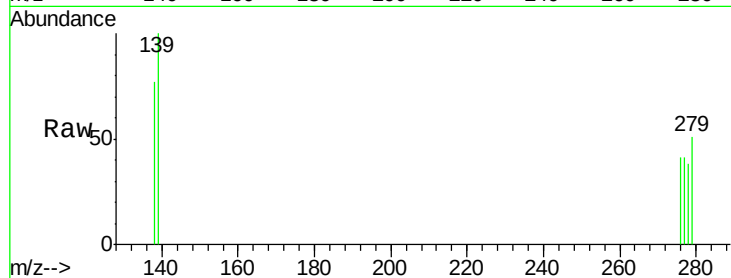




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.52 min Scan# 1741
Delta R.T. -0.15 min
Lab File: BM006302.D
Acq: 07 Jul 2016 03:29

Instrument :
BNA_M
ClientSampleId :
A4TW6

Tgt Ion: 278 Resp: 525
Ion Ratio Lower Upper
278 100
139 264.9 16.4 24.6#
279 133.9 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.34 min Scan# 1820
Delta R.T. 0.00 min
Lab File: BM006302.D
Acq: 07 Jul 2016 03:29

Tgt Ion: 276 Resp: 7304
Ion Ratio Lower Upper
276 100
277 27.0 18.9 28.3
138 28.6 22.5 33.7

