

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006290.D
 Acq On : 06 Jul 2016 19:38
 Operator : UM/SJ
 Sample : H3811-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV4

Quant Time: Jul 07 02:20:42 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 02:18:44 2016
 Response via : Initial Calibration

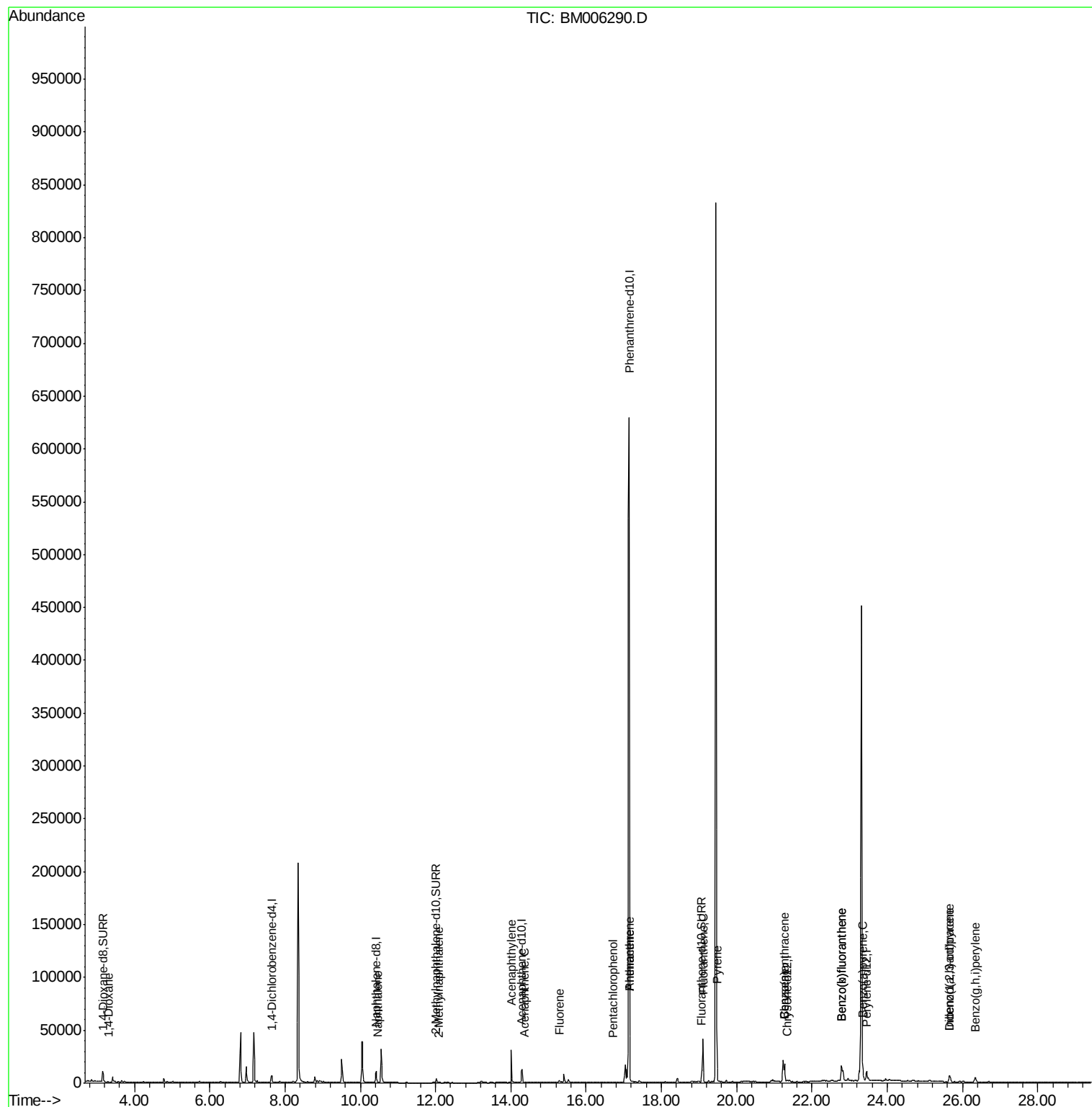
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4051	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	15998	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9341	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	1013993	0.40	ng/ul	0.10
18) Chrysene-d12	21.35	240	6583	0.40	ng/ul	0.10
22) Perylene-d12	23.45	264	12792	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7394	4.32	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	5773	0.31	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	13197	0.01	ng/ul	-0.01
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.31	88	61	0.03	ng/ul#	1
5) Naphthalene	10.48	128	810	0.02	ng/ul#	67
7) 2-Methylnaphthalene	12.09	142	472	0.02	ng/ul	95
9) Acenaphthylene	14.01	152	2293	0.07	ng/ul#	94
10) Acenaphthene	14.35	153	292	0.01	ng/ul#	83
11) Fluorene	15.29	166	2178	0.06	ng/ul#	27
13) Pentachlorophenol	16.71	266	21	0.00	ng/ul	90
14) Phenanthrene	17.16	178	2874	0.00	ng/ul#	78
15) Anthracene	17.16	178	2817	0.00	ng/ul#	78
17) Fluoranthene	19.11	202	40457	0.01	ng/ul	94
19) Pyrene	19.47	202	36577	1.33	ng/ul	95
20) Benzo(a)anthracene	21.27	228	17428	0.82	ng/ul#	91
21) Chrysene	21.27	228	17349	0.83	ng/ul	94
23) Benzo(b)fluoranthene	22.78	252	28811	0.63	ng/ul	90
24) Benzo(k)fluoranthene	22.78	252	28811	0.68	ng/ul#	92
25) Benzo(a)pyrene	23.35	252	14379	0.34	ng/ul#	94
26) Indeno(1,2,3-cd)pyrene	25.66	276	11510	0.24	ng/ul#	88
27) Dibenzo(a,h)anthracene	25.66	278	2465	0.07	ng/ul#	62
28) Benzo(g,h,i)perylene	26.34	276	9795	0.24	ng/ul	96

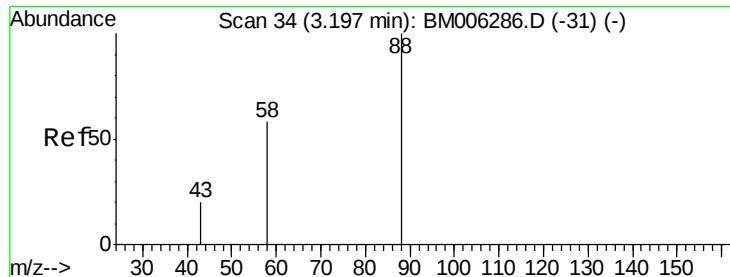
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.31 min Scan# 41

Delta R.T. 0.11 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

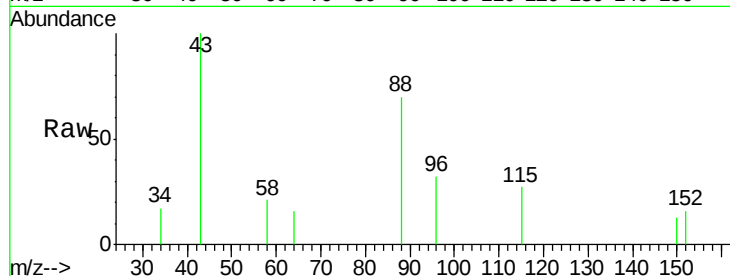
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

58 23.0 8.0 12.0#

43 618.0 8.0 12.0#

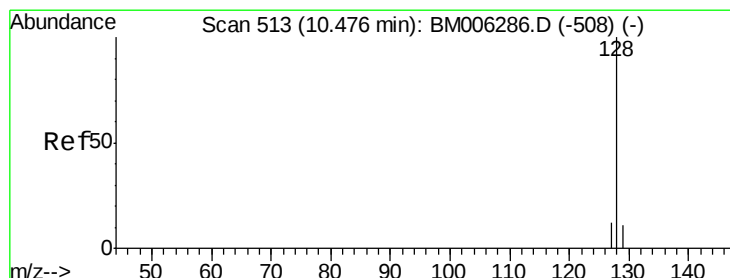
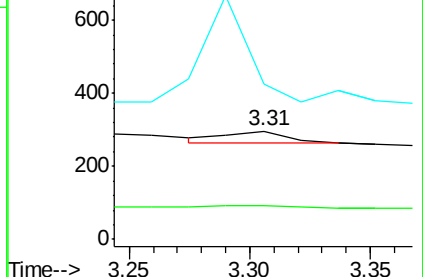
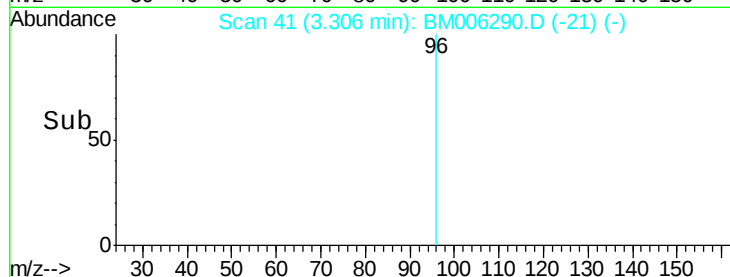


Abundance Ion 88.00 (87.70 to 88.70): BM006286.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM006286.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM006286.D (-31) (-)

Time-->



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

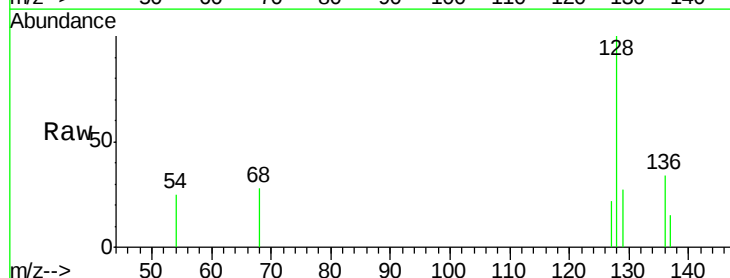
Tgt Ion: 128 Resp: 810

Ion Ratio Lower Upper

128 100

129 26.7 9.0 13.6#

127 22.0 9.6 14.4#

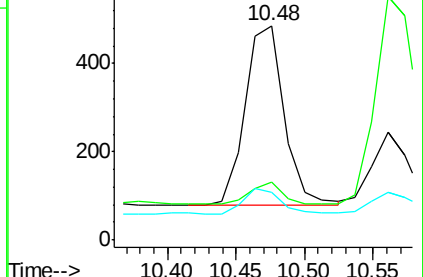
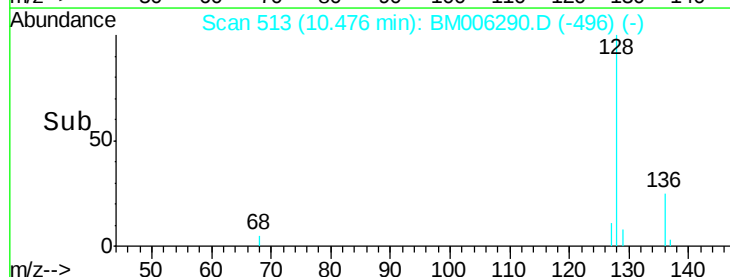


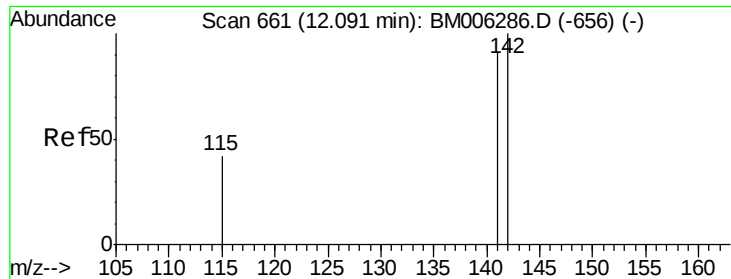
Abundance Ion 128.00 (127.70 to 128.70): BM006286.D (-508) (-)

Ion 129.00 (128.70 to 129.70): BM006286.D (-508) (-)

Ion 127.00 (126.70 to 127.70): BM006286.D (-508) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

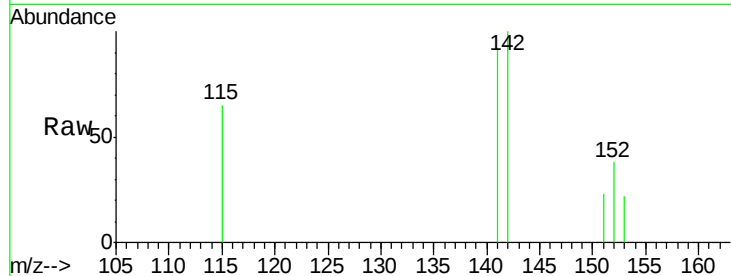
A4TV4

Tgt Ion:142 Resp: 472

Ion Ratio Lower Upper

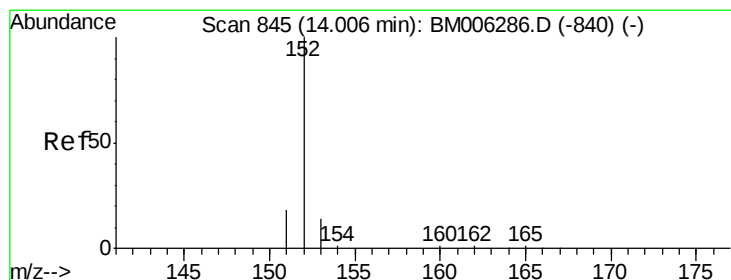
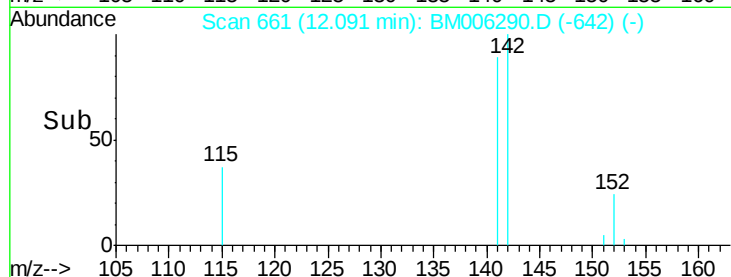
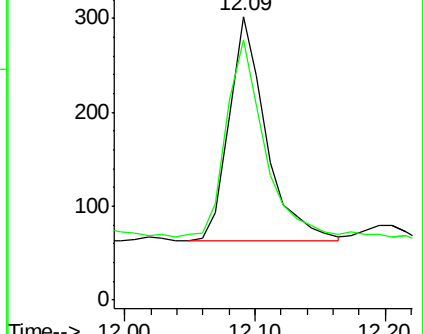
142 100

141 92.6 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: 0.07 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

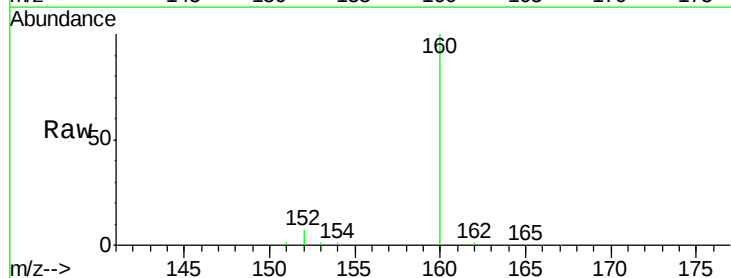
Tgt Ion:152 Resp: 2293

Ion Ratio Lower Upper

152 100

151 20.9 17.6 26.4

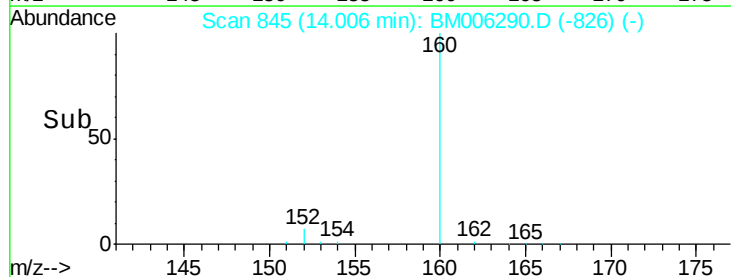
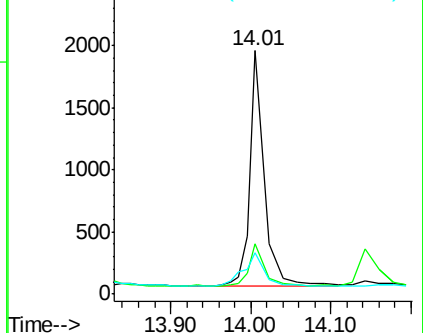
153 16.9 9.7 14.5#

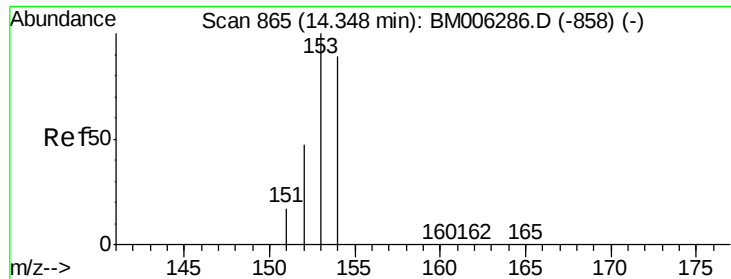


Abundance Ion 152.00 (151.70 to 152.70): E

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: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

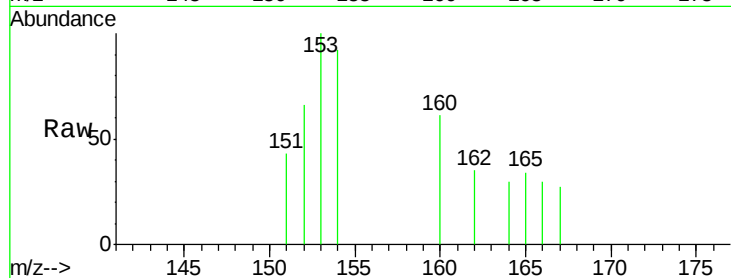
Tgt Ion:153 Resp: 292

Ion Ratio Lower Upper

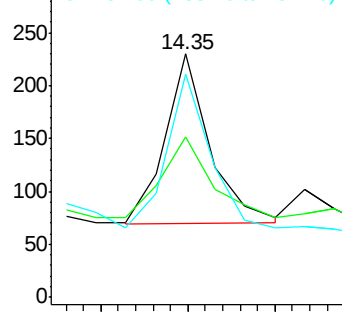
153 100

152 66.1 33.9 50.9#

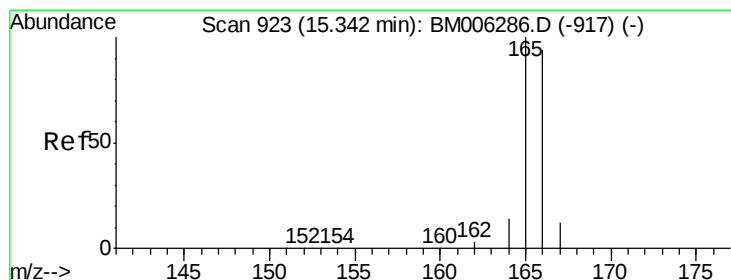
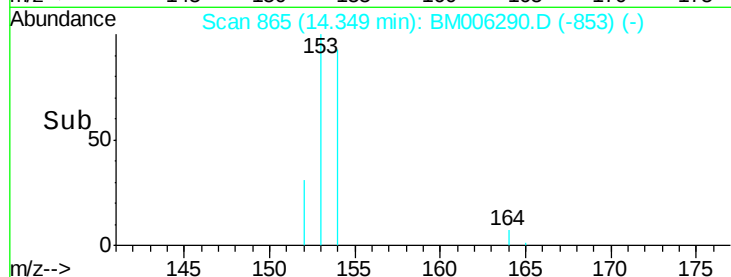
154 91.7 80.6 121.0



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



Time-->



#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.29 min Scan# 920

Delta R.T. -0.05 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

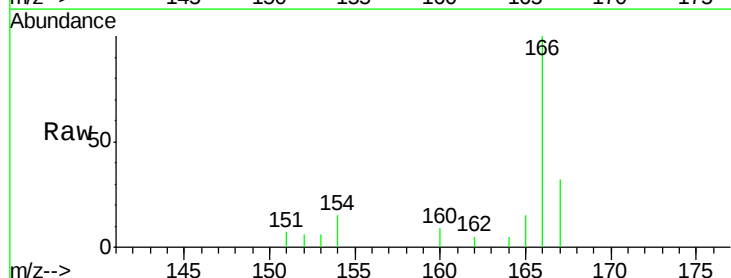
Tgt Ion:166 Resp: 2178

Ion Ratio Lower Upper

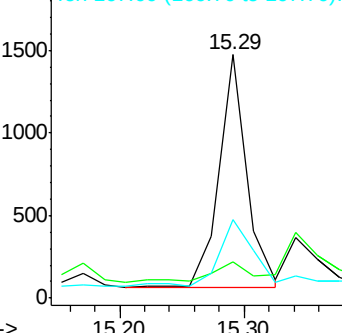
166 100

165 14.7 69.6 104.4#

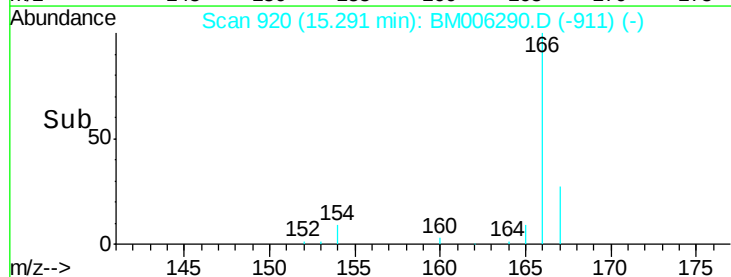
167 32.0 11.9 17.9#

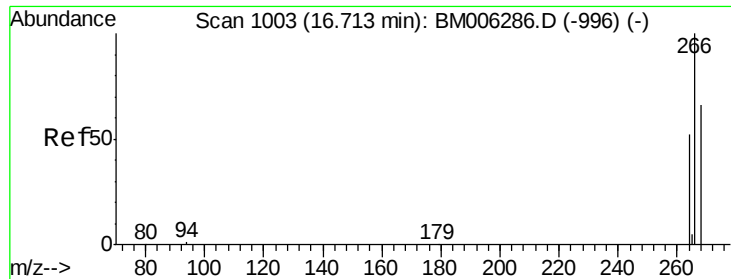


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.71 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

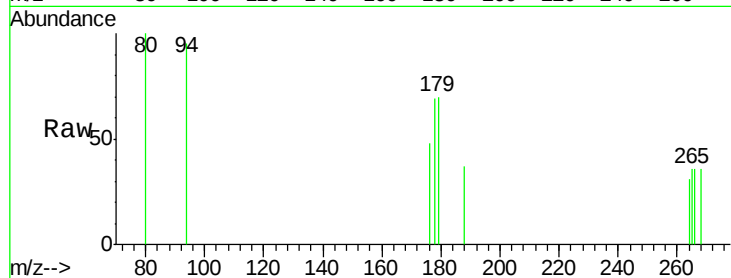
Tgt Ion:266 Resp: 21

Ion Ratio Lower Upper

266 100

264 76.2 51.8 77.8

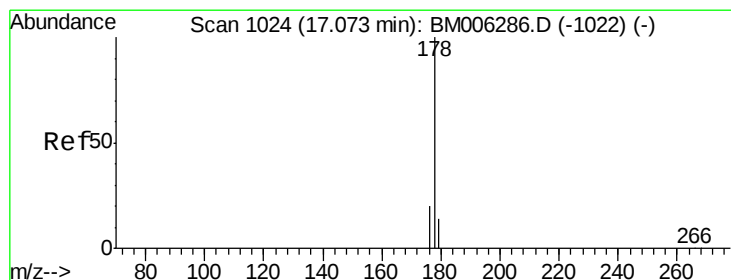
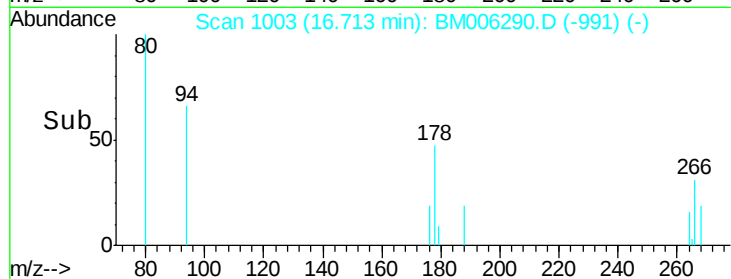
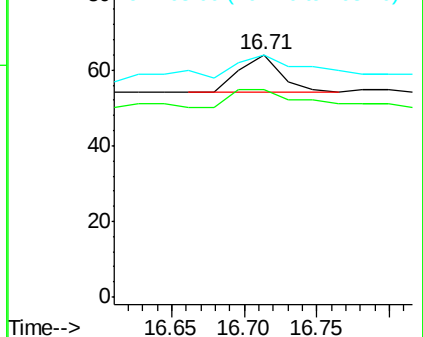
268 61.9 46.8 70.2



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: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

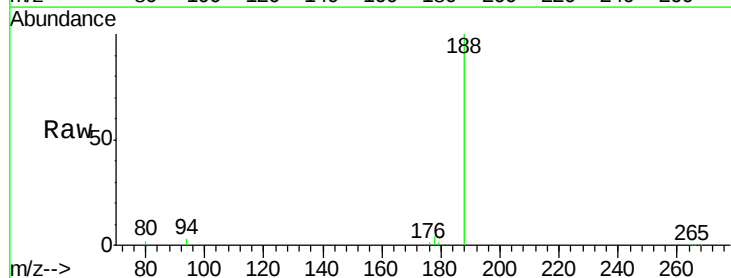
Tgt Ion:178 Resp: 2874

Ion Ratio Lower Upper

178 100

176 25.3 13.0 19.4#

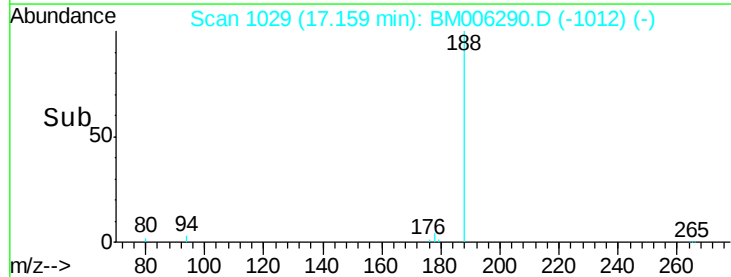
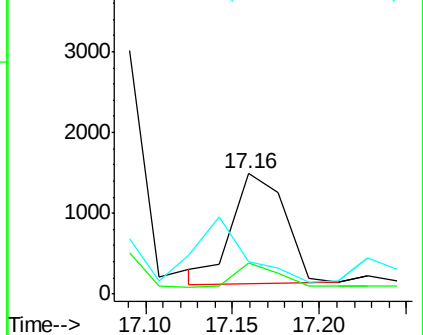
179 27.3 14.2 21.2#

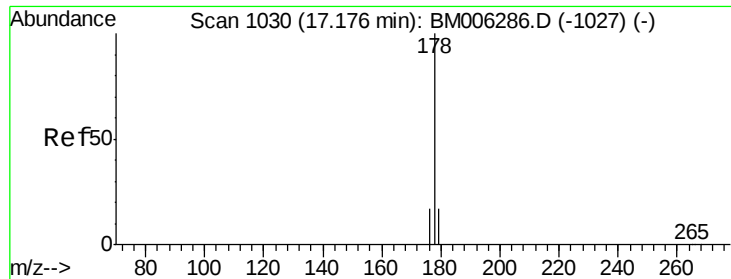


Abundance Ion 178.00 (177.70 to 178.70): E

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: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

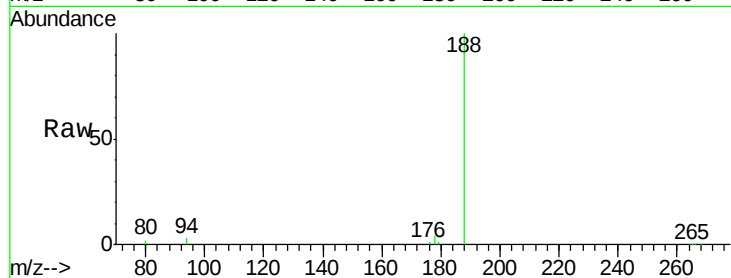
Tgt Ion:178 Resp: 2817

Ion Ratio Lower Upper

178 100

176 25.3 14.0 21.0#

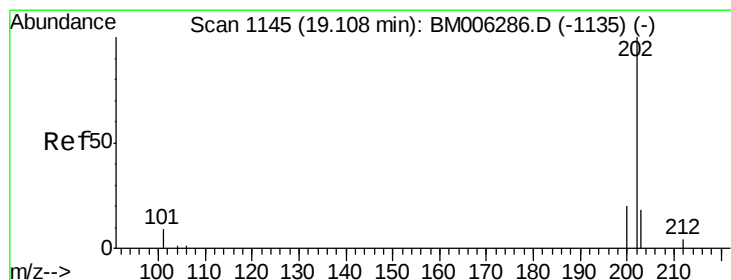
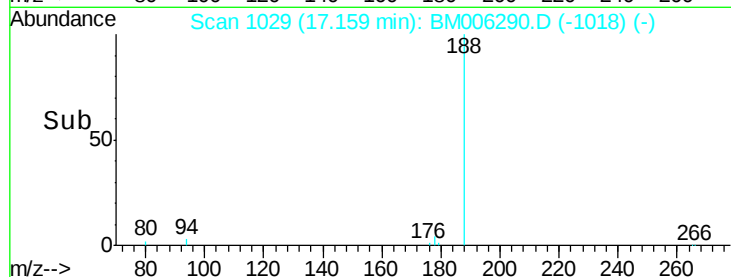
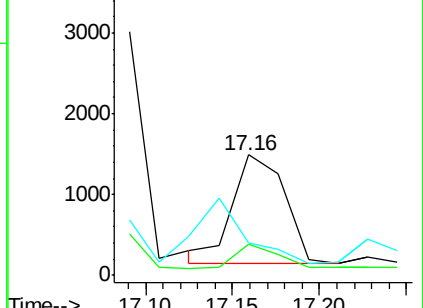
179 27.3 12.9 19.3#



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: 0.01 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

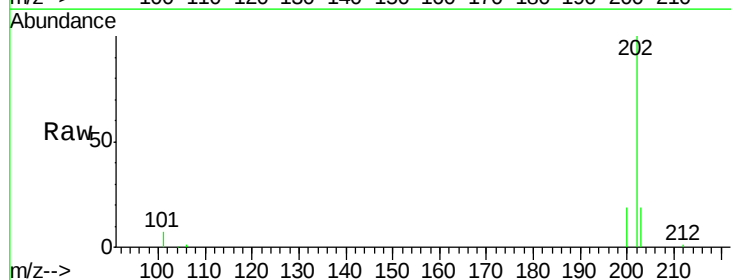
Tgt Ion:202 Resp: 40457

Ion Ratio Lower Upper

202 100

101 6.8 0.0 29.6

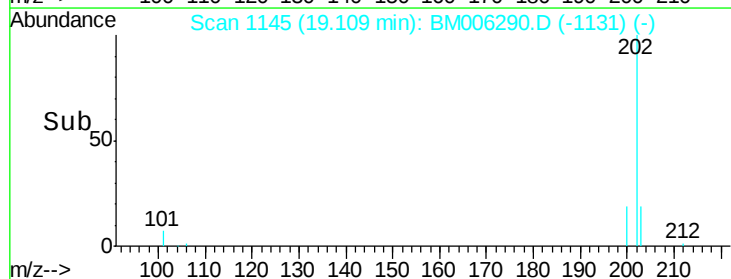
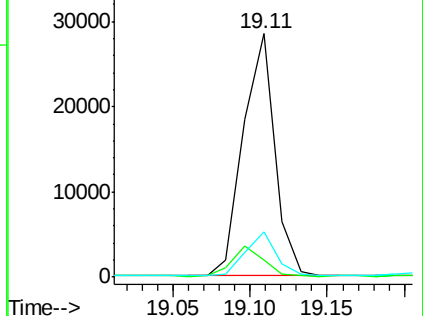
203 18.6 0.0 36.3

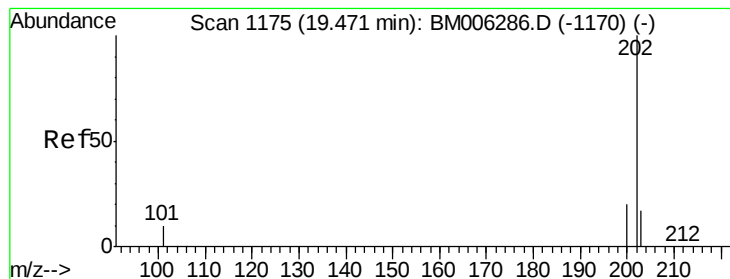


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

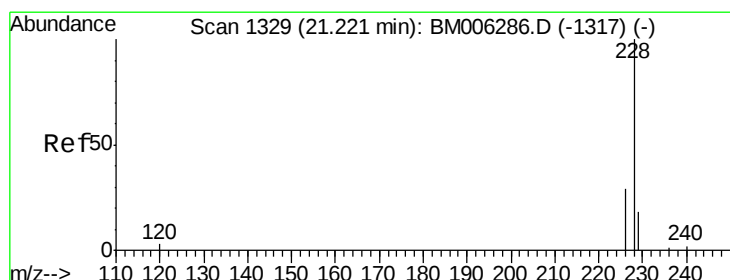
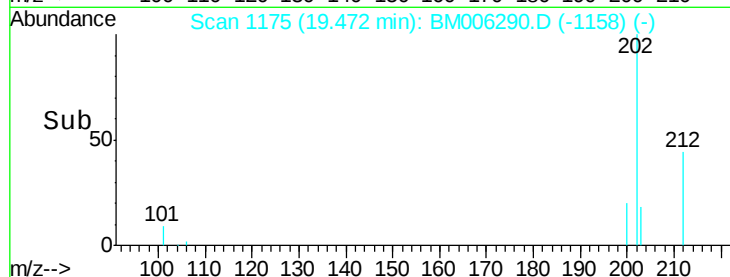
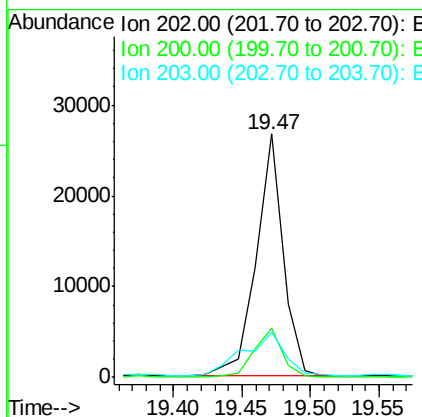
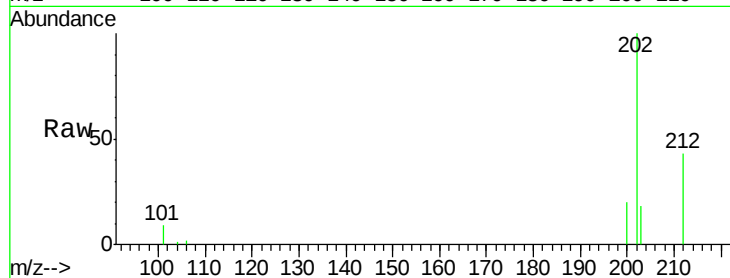




#19
Pyrene
Concen: 1.33 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BM006290.D
Acq: 06 Jul 2016 19:38

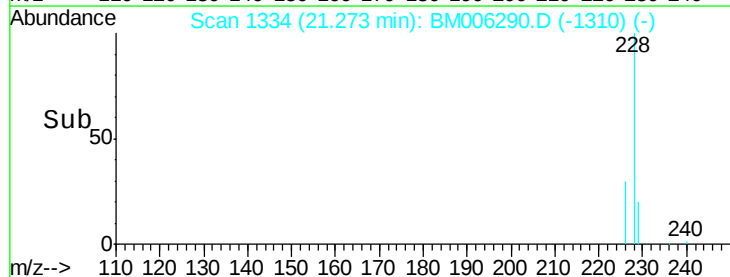
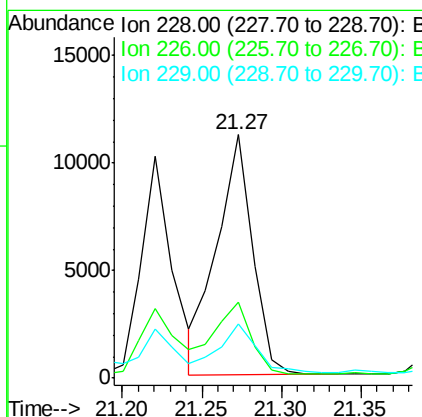
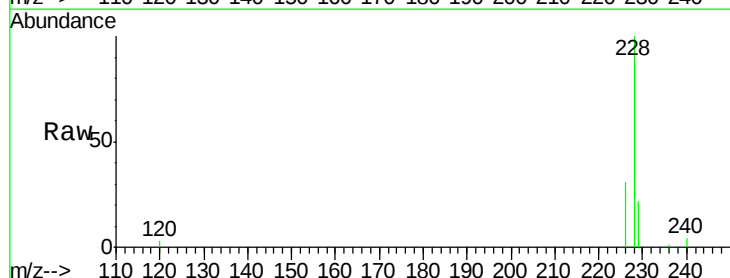
Instrument :
BNA_M
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A4TV4

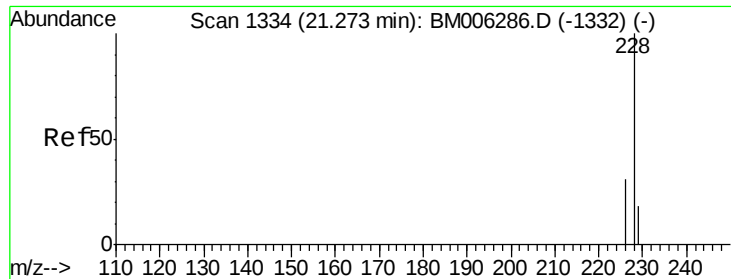
Tgt Ion: 202 Resp: 36577
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.8
203 18.4 12.8 19.2



#20
Benzo(a)anthracene
Concen: 0.82 ng/ul
RT: 21.27 min Scan# 1334
Delta R.T. 0.05 min
Lab File: BM006290.D
Acq: 06 Jul 2016 19:38

Tgt Ion: 228 Resp: 17428
Ion Ratio Lower Upper
228 100
226 31.0 18.8 28.2#
229 22.2 17.1 25.7





#21

Chrysene

Concen: 0.83 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

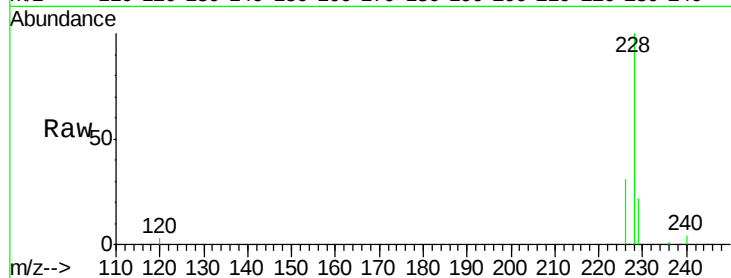
Tgt Ion:228 Resp: 17349

Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

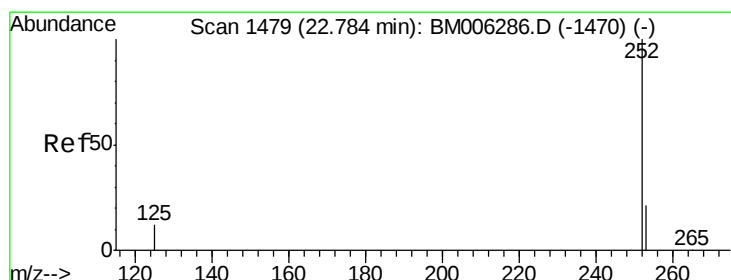
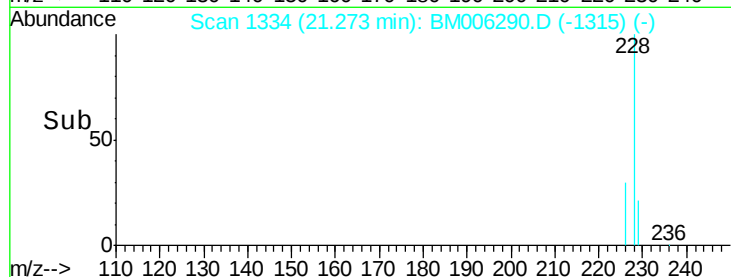
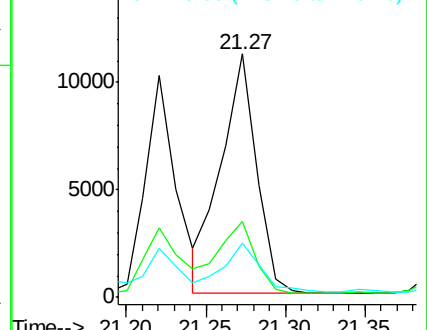
229 22.2 17.0 25.6



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: 0.63 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

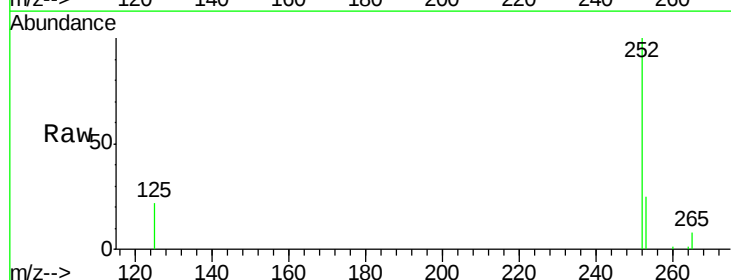
Tgt Ion:252 Resp: 28811

Ion Ratio Lower Upper

252 100

253 24.7 0.0 45.4

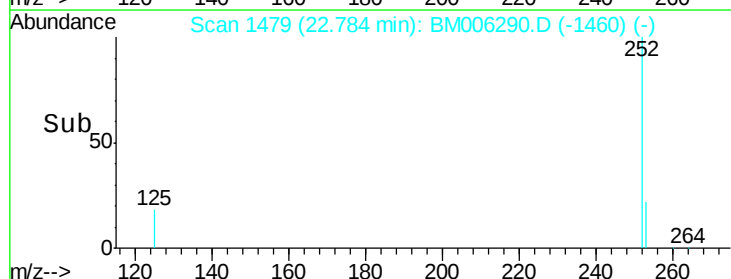
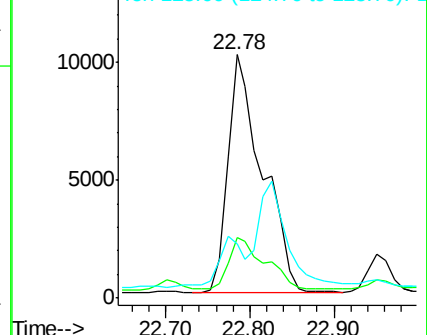
125 22.4 0.0 28.8

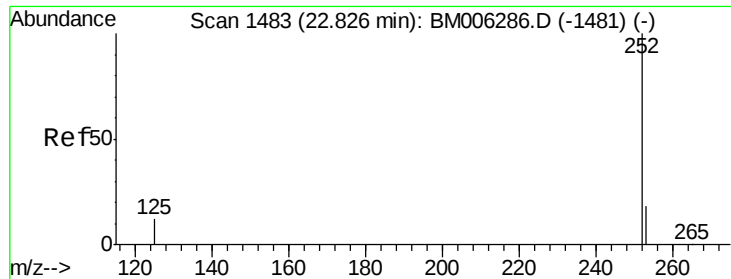


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.68 ng/ul

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

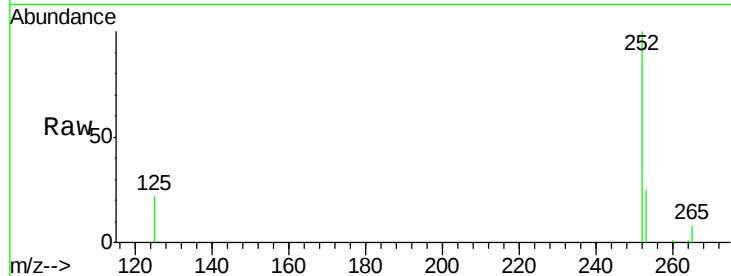
Instrument :

BNA_M

ClientSampleId :

A4TV4

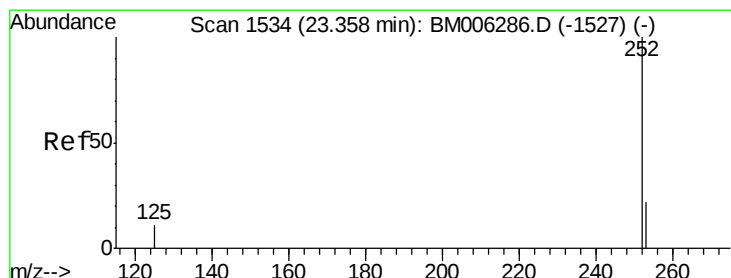
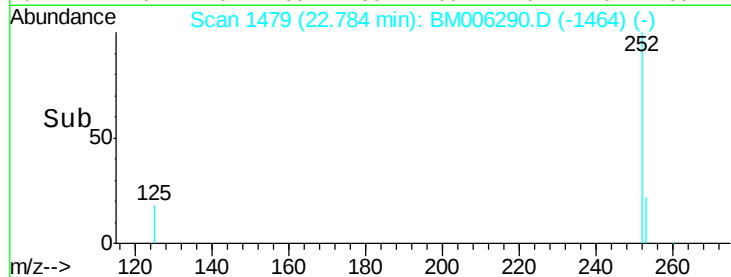
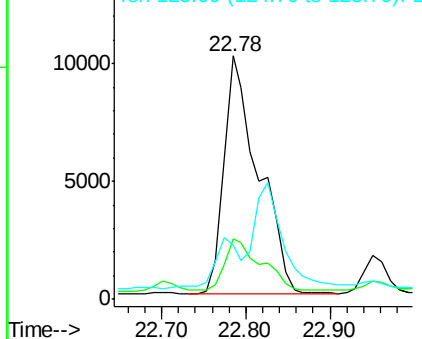
Tgt Ion:	252	Resp:	28811
Ion Ratio	Lower	Upper	
252	100		
253	24.7	19.8	29.8
125	22.4	10.4	15.6#



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: 0.34 ng/ul

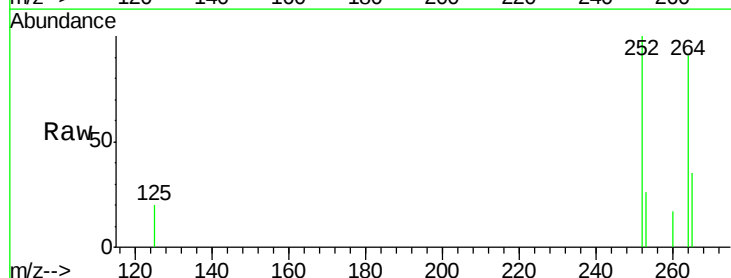
RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

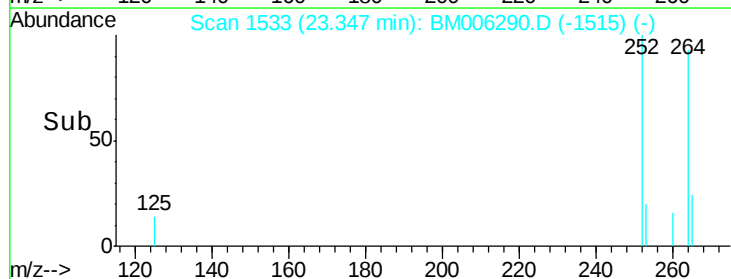
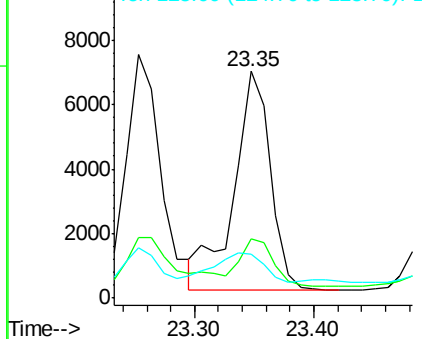
Tgt Ion:	252	Resp:	14379
Ion Ratio	Lower	Upper	
252	100		
253	26.4	19.4	29.2
125	19.6	12.7	19.1#

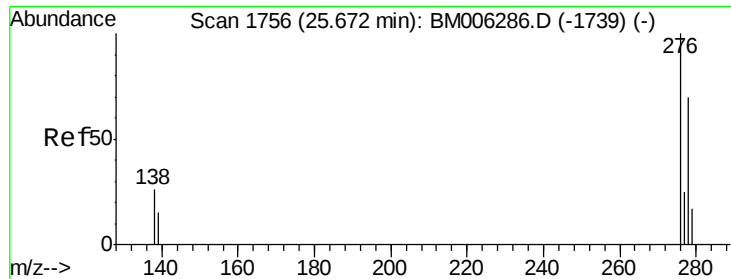


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.24 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4

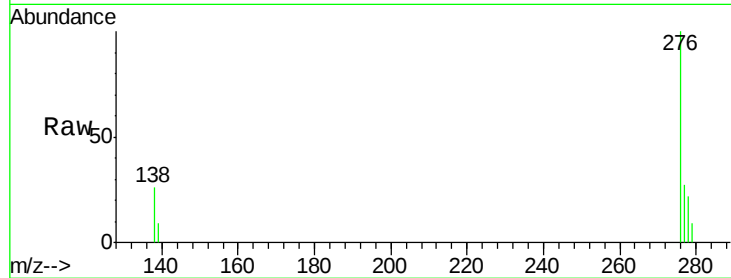
Tgt Ion:276 Resp: 11510

Ion Ratio Lower Upper

276 100

138 30.0 16.3 24.5#

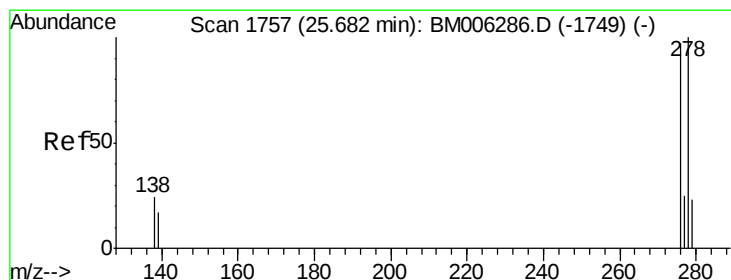
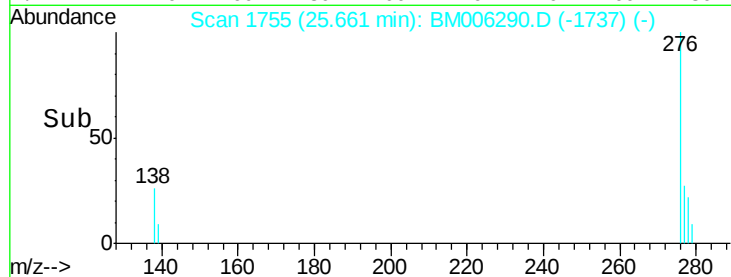
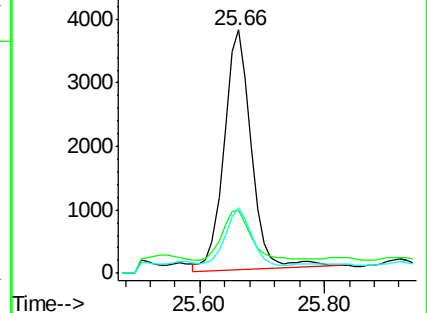
277 27.0 19.8 29.8



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: 0.07 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BM006290.D

Acq: 06 Jul 2016 19:38

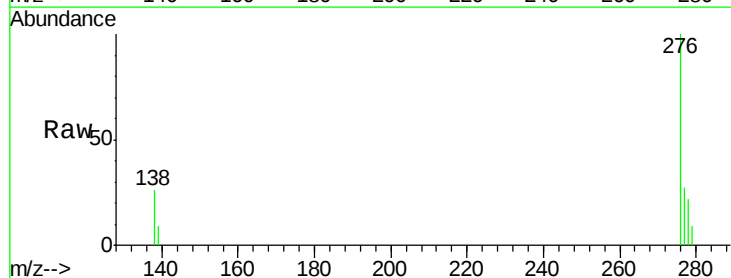
Tgt Ion:278 Resp: 2465

Ion Ratio Lower Upper

278 100

139 42.5 16.4 24.6#

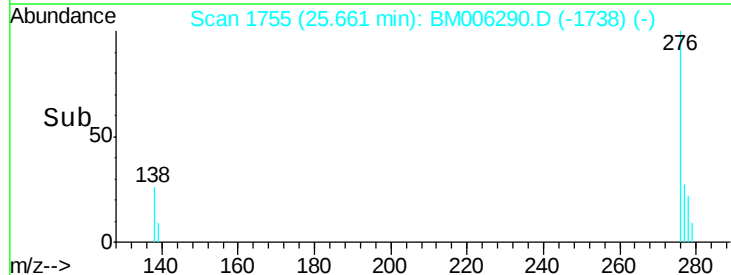
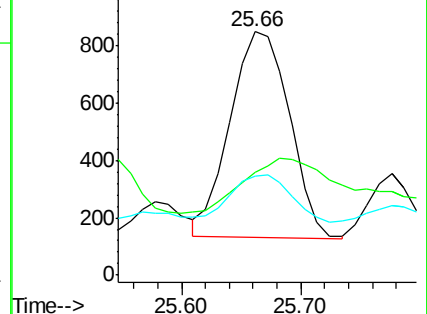
279 40.4 20.2 30.2#

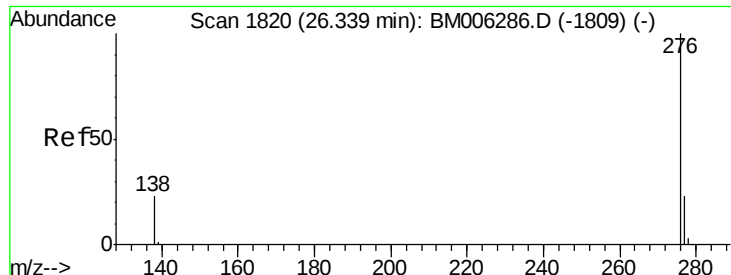


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.24 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006290.D

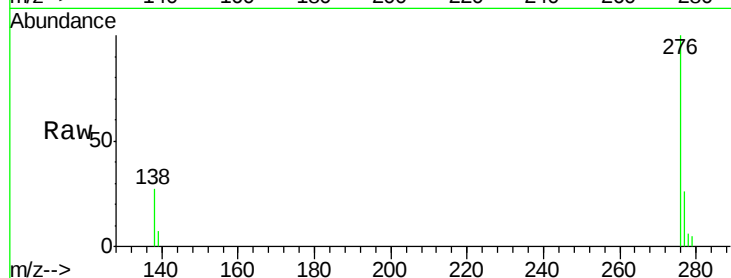
Acq: 06 Jul 2016 19:38

Instrument :

BNA_M

ClientSampleId :

A4TV4



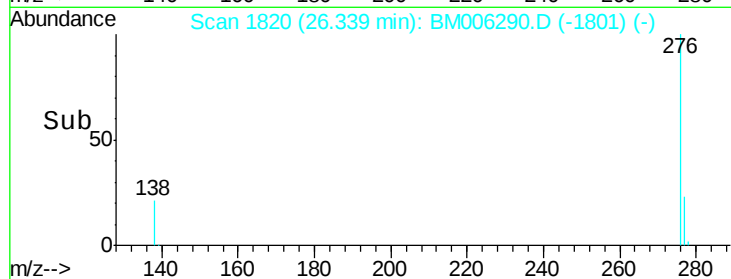
Tgt Ion: 276 Resp: 9795

Ion Ratio Lower Upper

276 100

277 26.2 18.9 28.3

138 26.5 22.5 33.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

