

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002399.D
 Acq On : 13 Aug 2015 15:58
 Operator : UM/IZ
 Sample : G3194-18MS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G3914-01

Quant Time: Aug 14 02:04:13 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	244118	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1070165	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	525365	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	1342048	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	667901	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	657478	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1603573	29.46	ng/ul	0.00
10) Fluorene-d10	16.46	176	1051305	27.78	ng/ul	0.00
14) Anthracene-d10	18.30	188	2000931	30.73	ng/ul	0.00
18) Pyrene-d10	20.52	212	1118191	34.52	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	984769	28.21	ng/ul	0.01

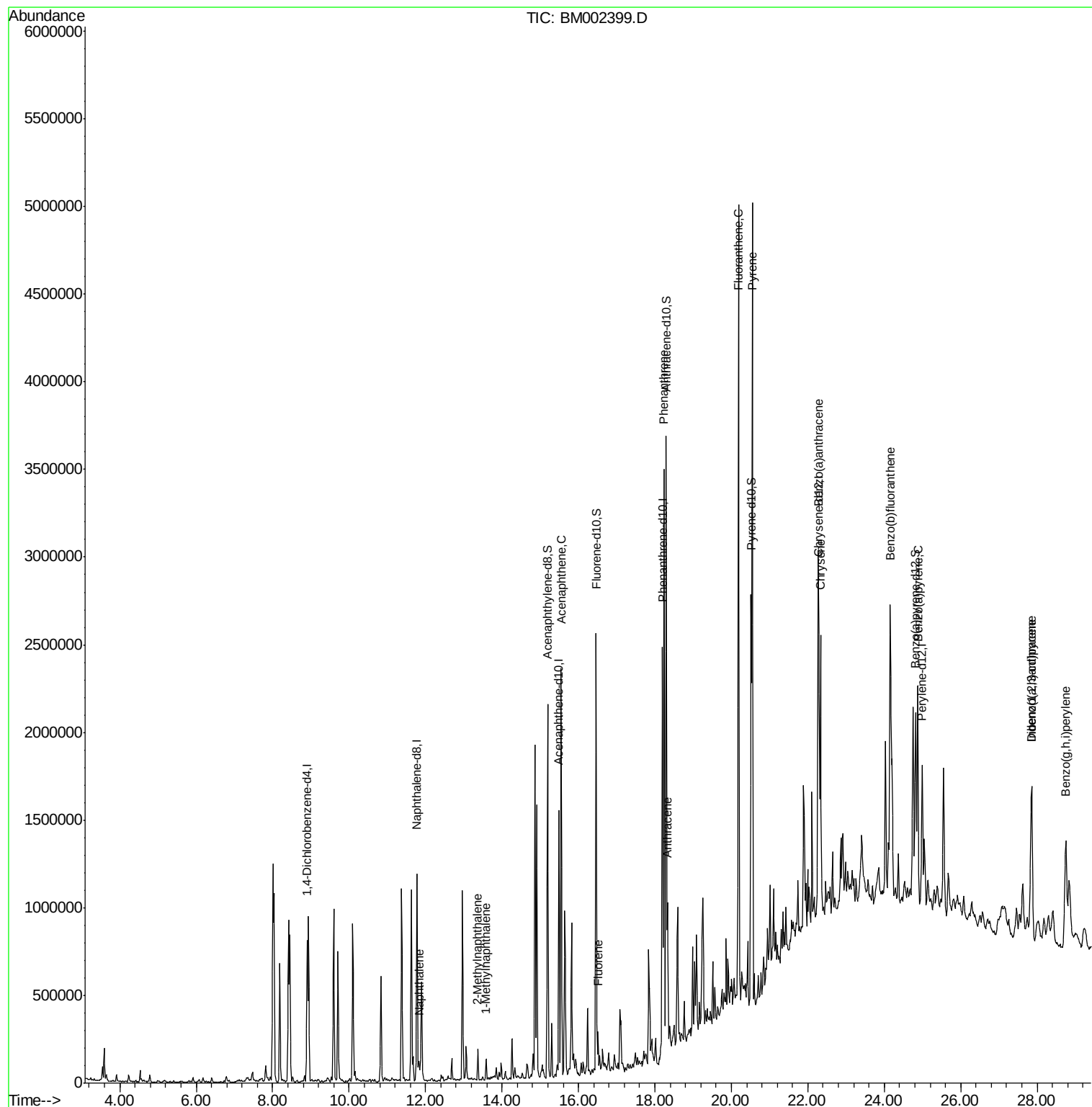
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.83	128	101324	1.80	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	84394	2.10	ng/ul	96
5) 1-Methylnaphthalene	13.58	142	59668	1.50	ng/ul	97
9) Acenaphthene	15.55	153	992113	26.10	ng/ul	99
11) Fluorene	16.52	166	91722	2.14	ng/ul#	97
13) Phenanthrene	18.24	178	2061237	26.68	ng/ul	100
15) Anthracene	18.33	178	525235	6.58	ng/ul	99
16) Fluoranthene	20.19	202	2713951	31.73	ng/ul	99
19) Pyrene	20.54	202	2660301	61.61	ng/ul	97
20) Benzo(a)anthracene	22.27	228	977105	23.97	ng/ul	98
21) Chrysene	22.33	228	1085140	28.08	ng/ul	98
23) Benzo(b)fluoranthene	24.16	252	1797585	43.99	ng/ul	99
26) Benzo(a)pyrene	24.88	252	1051095	26.88	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.86	276	903795	20.16	ng/ul	93
28) Dibenzo(a,h)anthracene	27.86	278	284283	7.49	ng/ul#	91
29) Benzo(g,h,i)perylene	28.76	276	836036	22.11	ng/ul	99

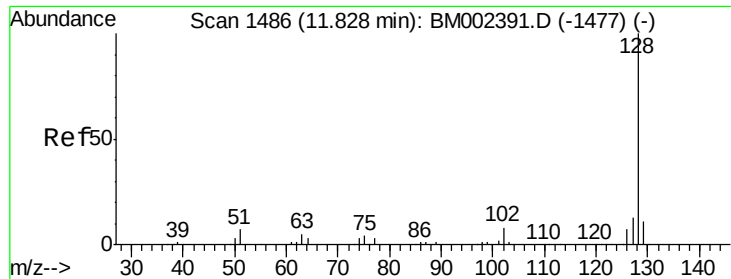
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.80 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

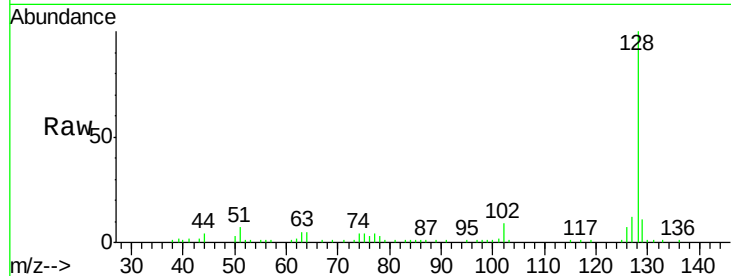
Tgt Ion:128 Resp: 101324

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

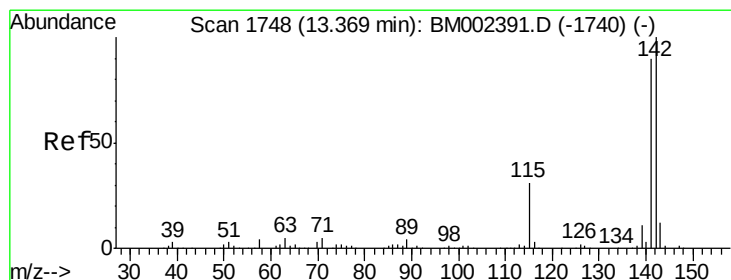
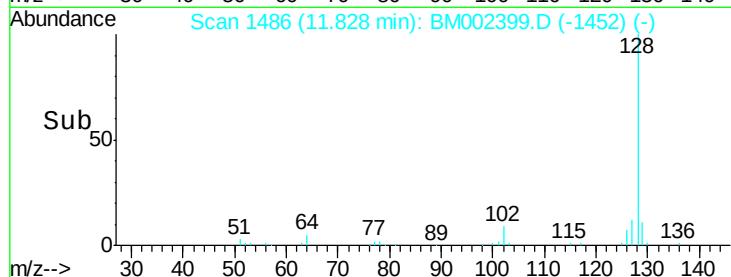
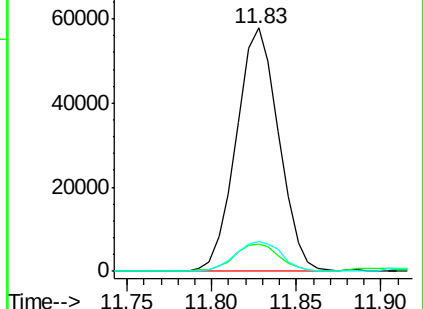
127 12.3 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 2.10 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM002399.D

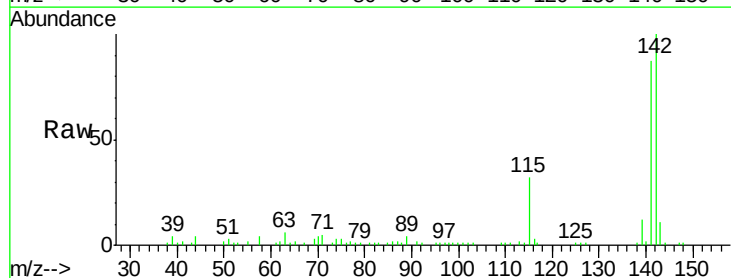
Acq: 13 Aug 2015 15:58

Tgt Ion:142 Resp: 84394

Ion Ratio Lower Upper

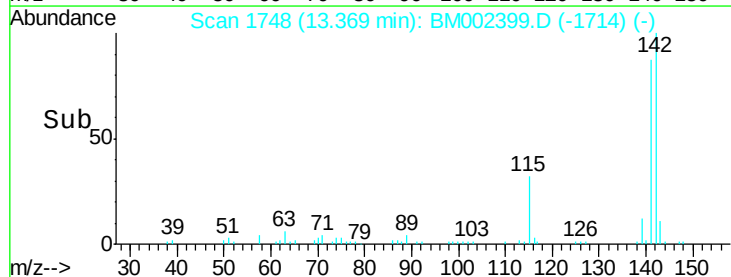
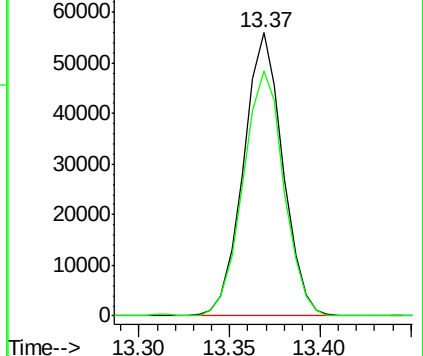
142 100

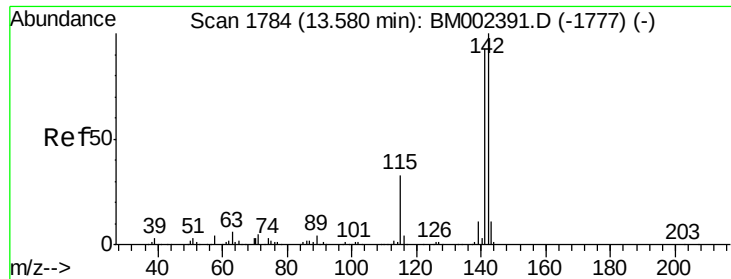
141 86.5 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

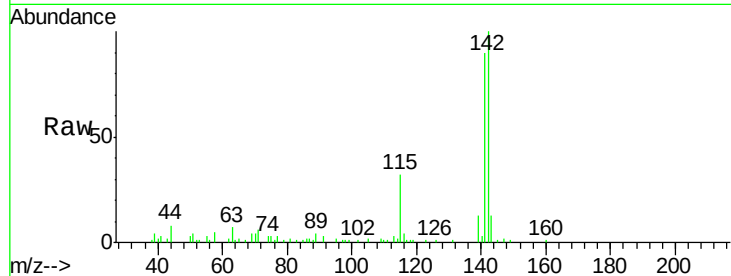




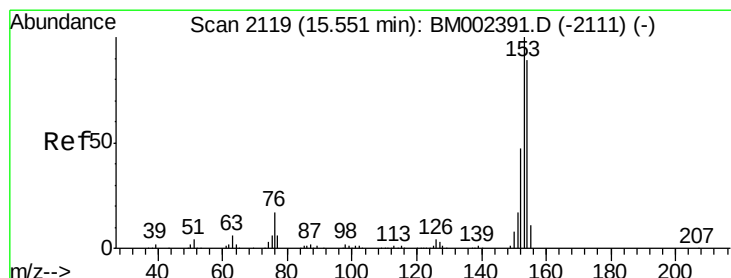
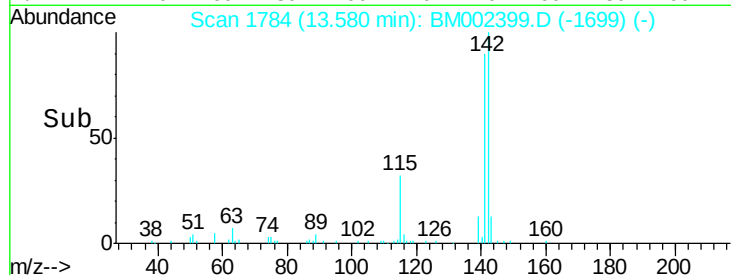
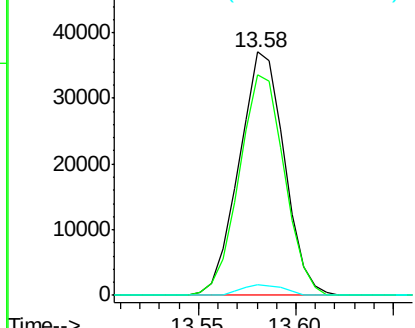
#5
1-Methylnaphthalene
Concen: 1.50 ng/ul
RT: 13.58 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BM002399.D
Acq: 13 Aug 2015 15:58

Instrument :
BNA_M
ClientSampleId :
G3914-01

Tgt Ion:142 Resp: 59668
Ion Ratio Lower Upper
142 100
141 90.4 74.5 111.7
116 4.3 3.0 4.4

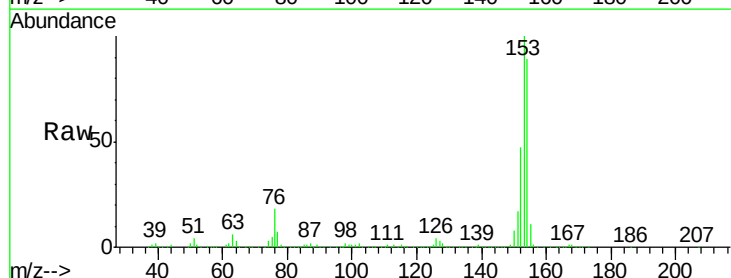


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

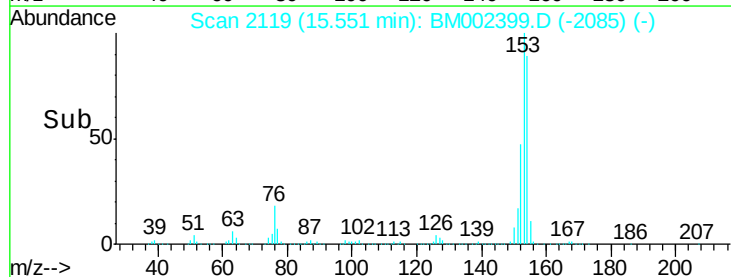
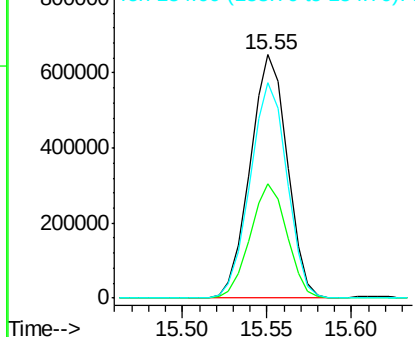


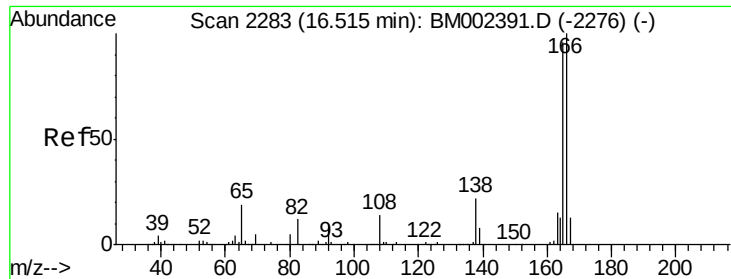
#9
Acenaphthene
Concen: 26.10 ng/ul
RT: 15.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM002399.D
Acq: 13 Aug 2015 15:58

Tgt Ion:153 Resp: 992113
Ion Ratio Lower Upper
153 100
152 47.2 36.6 55.0
154 88.6 71.5 107.3



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: 2.14 ng/ul

RT: 16.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

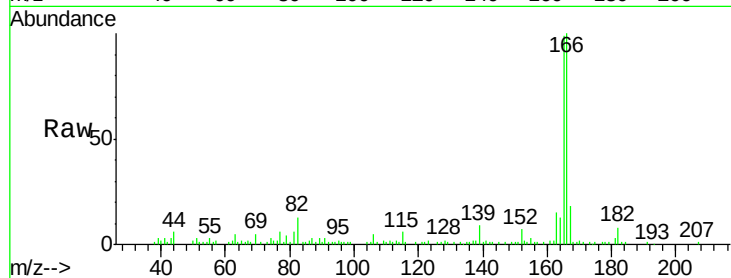
Tgt Ion:166 Resp: 91722

Ion Ratio Lower Upper

166 100

165 98.8 77.5 116.3

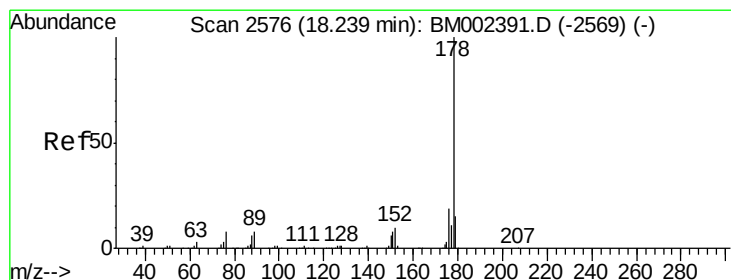
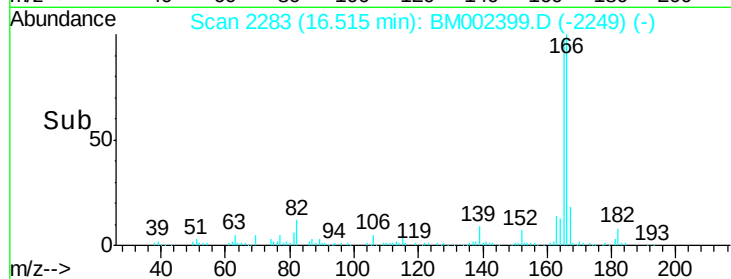
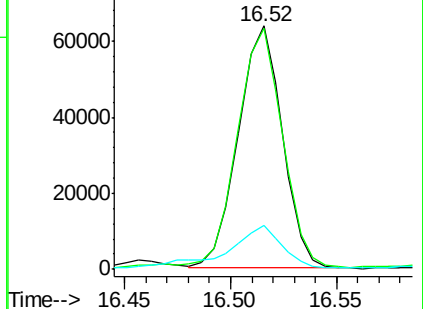
167 17.9 10.4 15.6#



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

Phenanthrene

Concen: 26.68 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

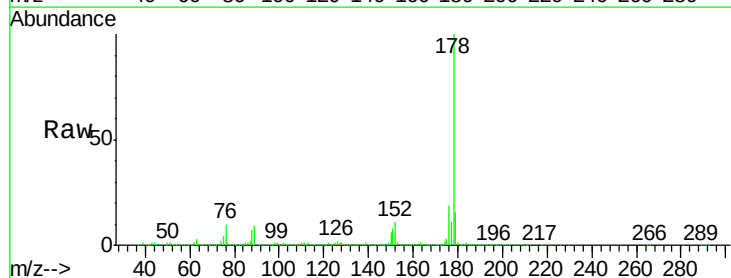
Tgt Ion:178 Resp: 2061237

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

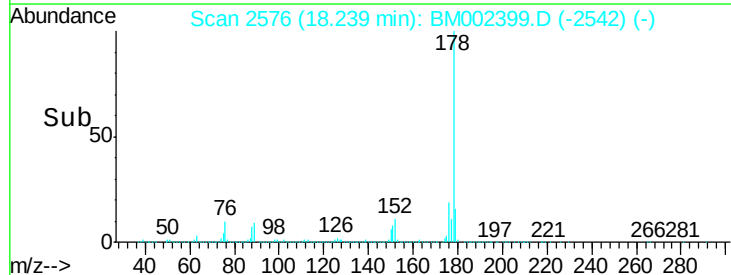
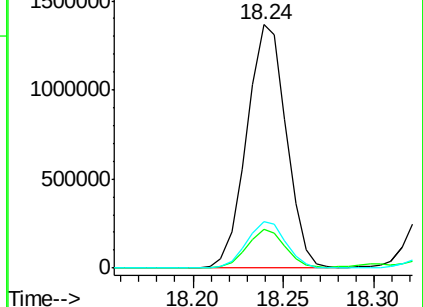
176 19.1 15.3 22.9

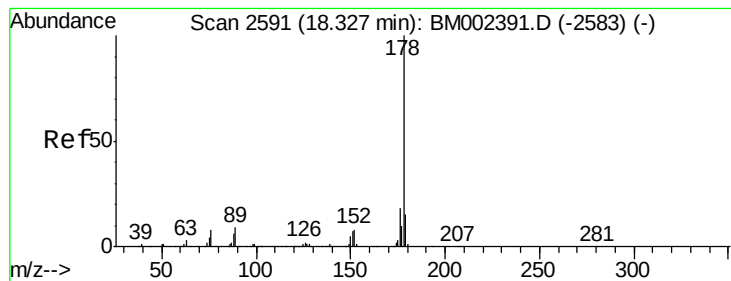


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 6.58 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

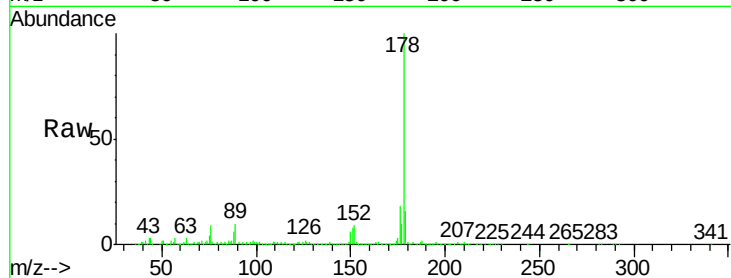
Tgt Ion:178 Resp: 525235

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

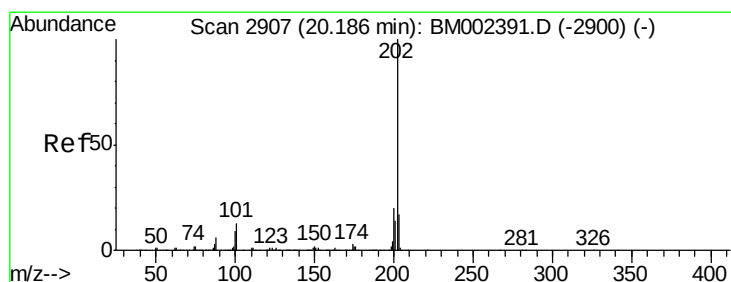
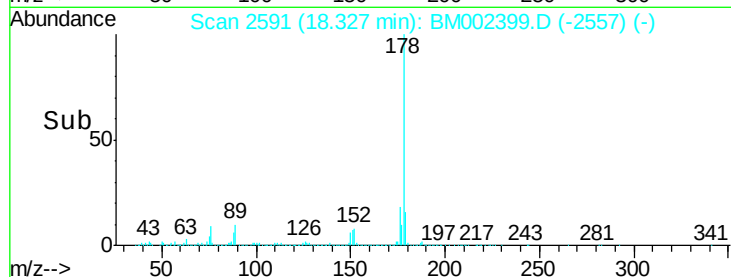
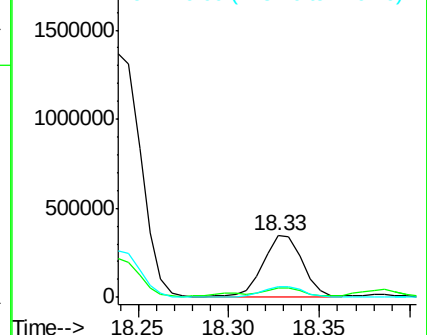
176 18.4 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16

Fluoranthene

Concen: 31.73 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

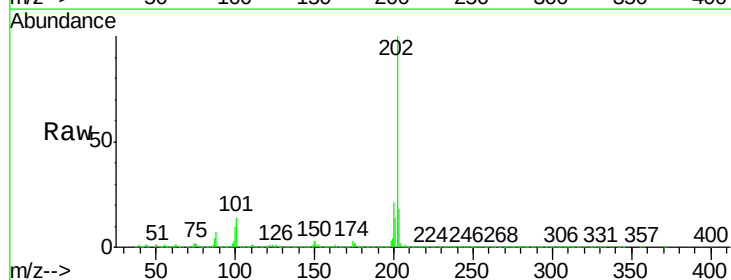
Tgt Ion:202 Resp: 2713951

Ion Ratio Lower Upper

202 100

101 13.7 10.6 15.8

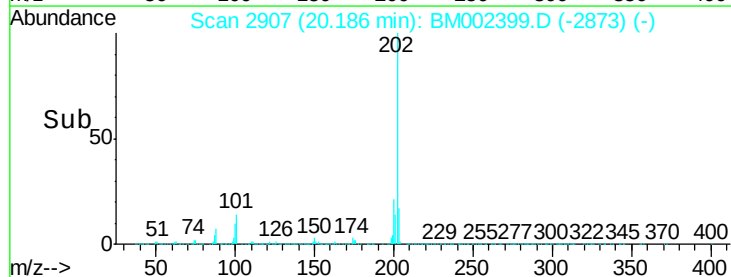
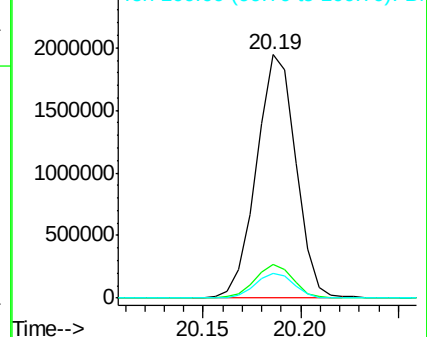
100 10.4 8.2 12.4

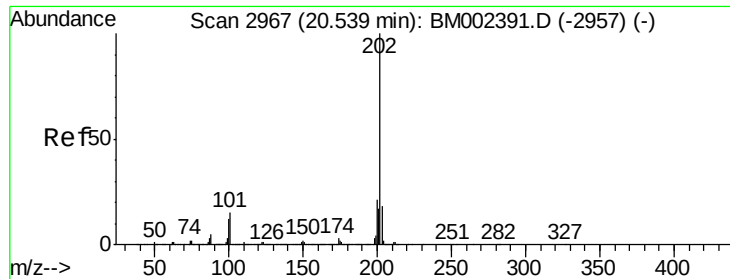


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 61.61 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.01 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

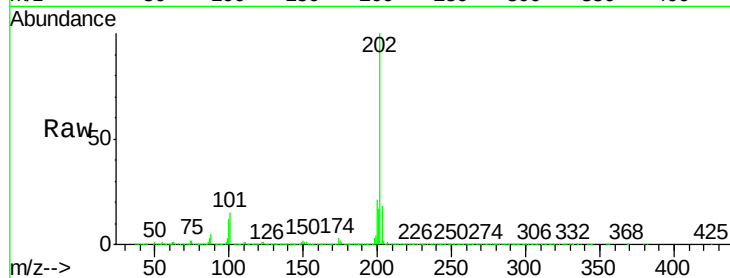
Tgt Ion:202 Resp: 2660301

Ion Ratio Lower Upper

202 100

101 15.1 13.0 19.6

100 12.4 11.0 16.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

20.54

2000000

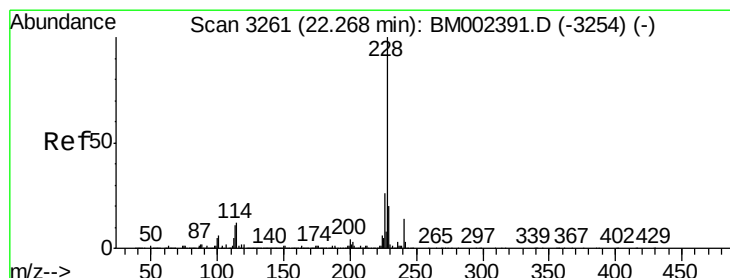
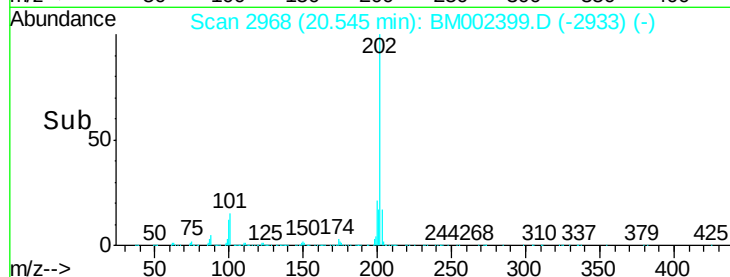
1500000

1000000

500000

0

Time-->



#20

Benzo(a)anthracene

Concen: 23.97 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

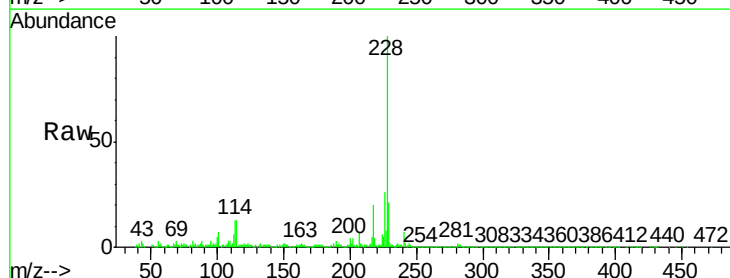
Tgt Ion:228 Resp: 977105

Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

226 26.4 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

22.27

800000

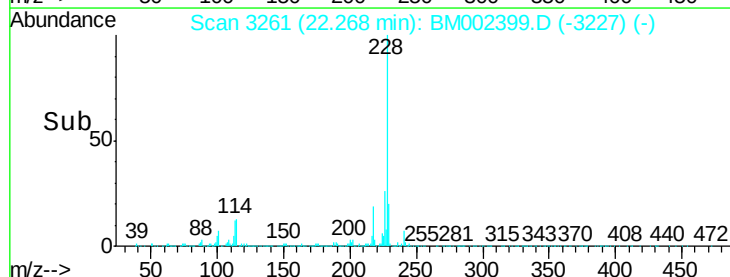
600000

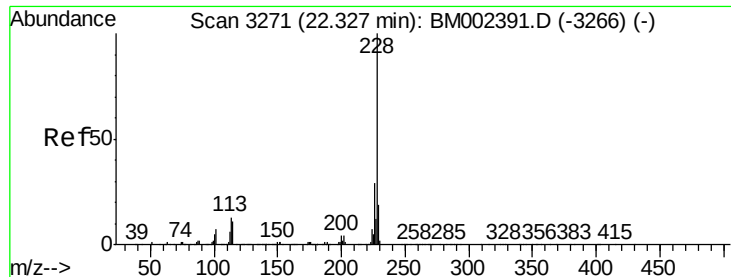
400000

200000

0

Time-->





#21

Chrysene

Concen: 28.08 ng/ul

RT: 22.33 min Scan# 3272

Delta R.T. 0.01 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

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ClientSampleId :

G3914-01

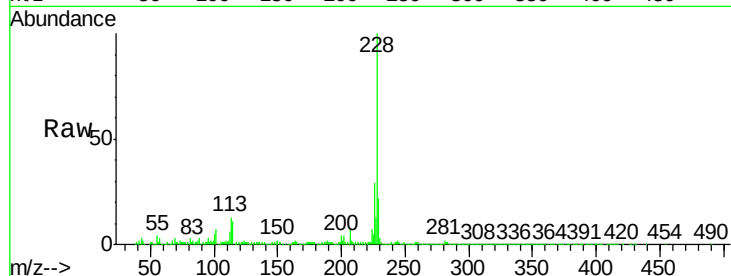
Tgt Ion:228 Resp: 1085140

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

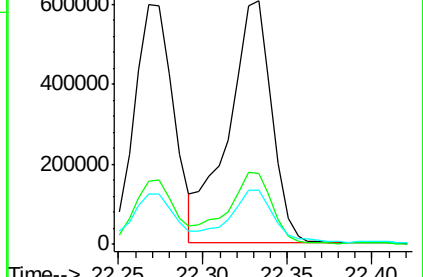
229 22.1 15.5 23.3



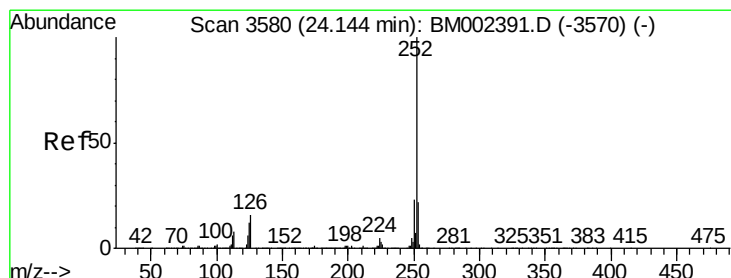
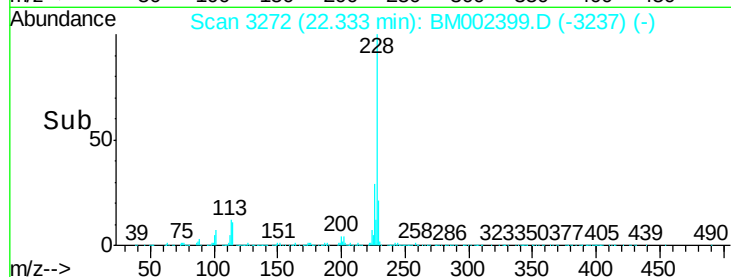
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#23

Benzo(b)fluoranthene

Concen: 43.99 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.02 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

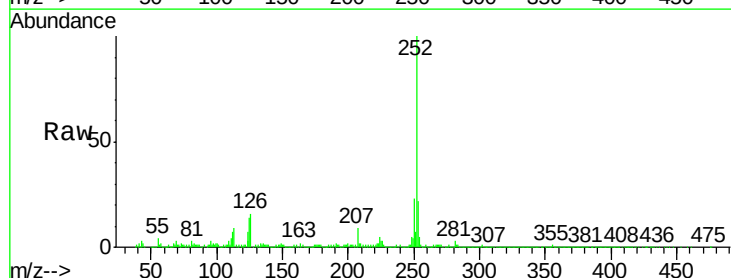
Tgt Ion:252 Resp: 1797585

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

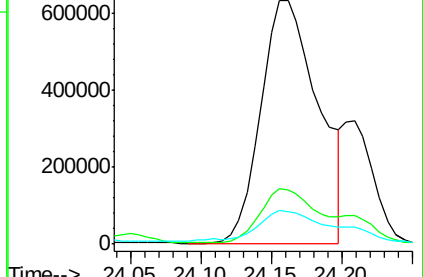
125 13.5 10.3 15.5



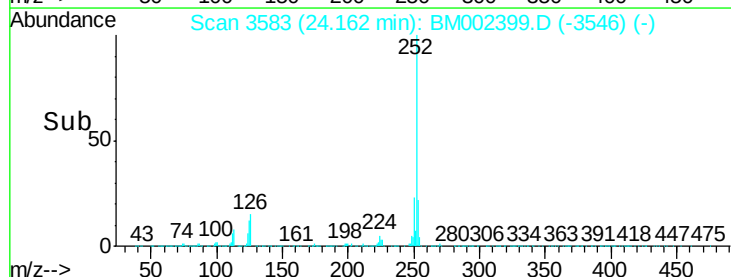
Abundance Ion 252.00 (251.70 to 252.70): E

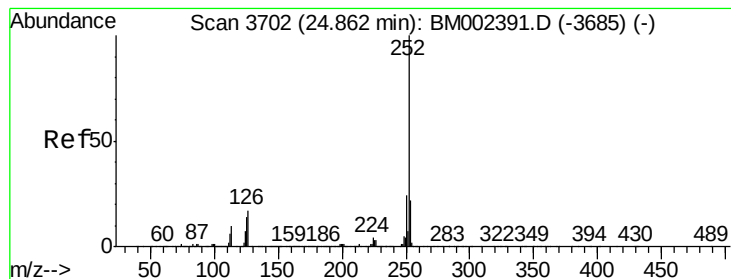
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Benzo(a)pyrene

Concen: 26.88 ng/ul

RT: 24.88 min Scan# 3705

Delta R.T. 0.02 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

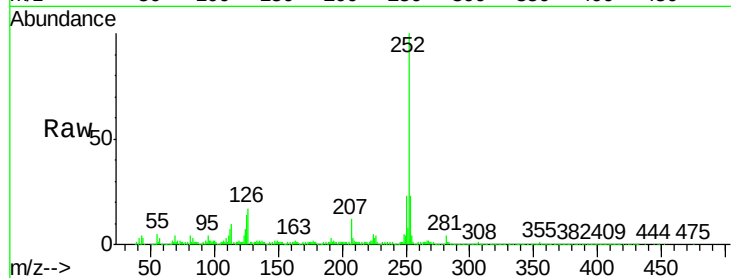
Tgt Ion:252 Resp: 1051095

Ion Ratio Lower Upper

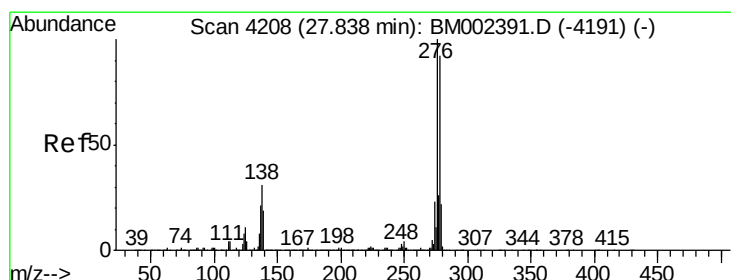
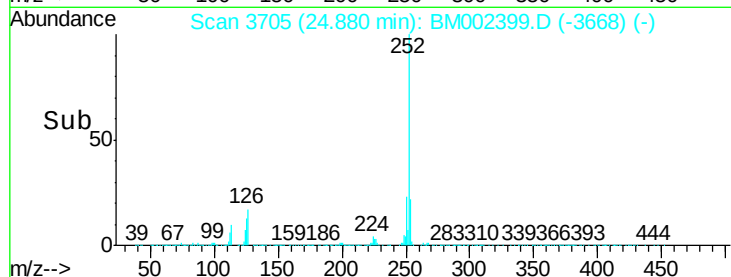
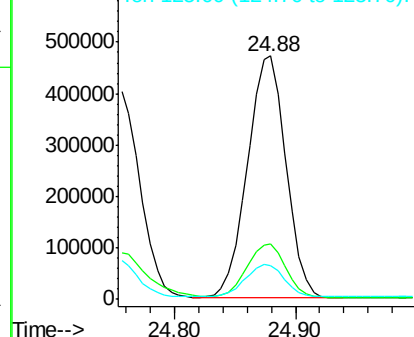
252 100

253 22.7 17.3 25.9

125 13.9 11.0 16.6



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 20.16 ng/ul

RT: 27.86 min Scan# 4211

Delta R.T. 0.02 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

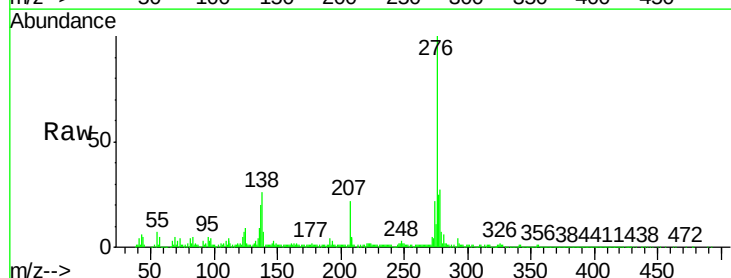
Tgt Ion:276 Resp: 903795

Ion Ratio Lower Upper

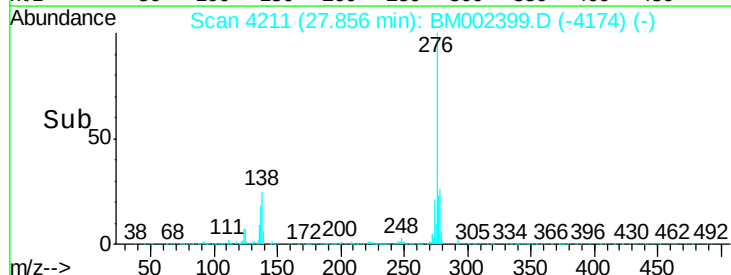
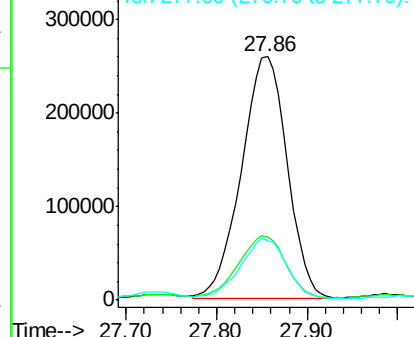
276 100

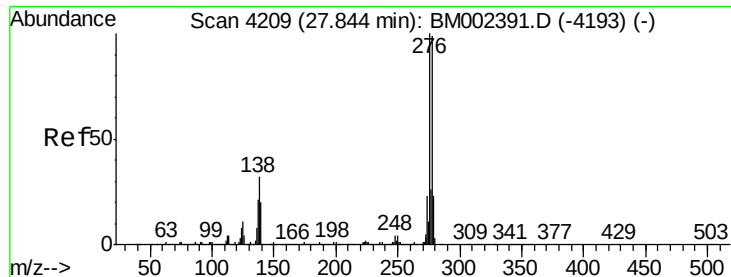
138 25.9 25.6 38.4

277 24.6 21.0 31.4



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





#28

Dibenzo(a,h)anthracene

Concen: 7.49 ng/ul

RT: 27.86 min Scan# 4211

Delta R.T. 0.01 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

Instrument :

BNA_M

ClientSampleId :

G3914-01

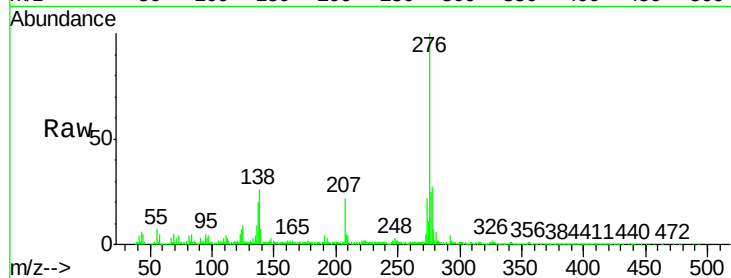
Tgt Ion:278 Resp: 284283

Ion Ratio Lower Upper

278 100

139 26.1 16.4 24.6#

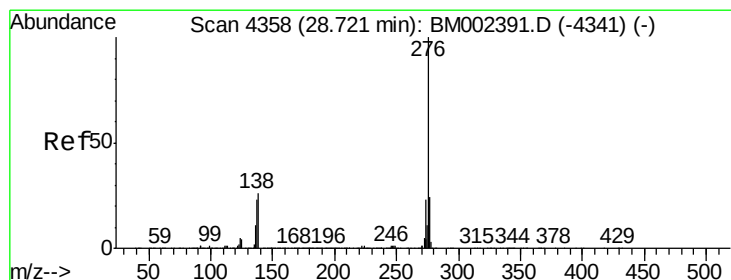
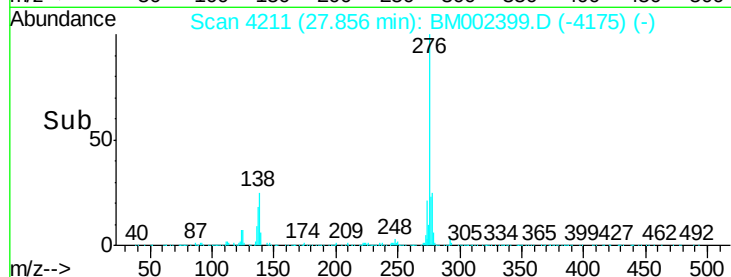
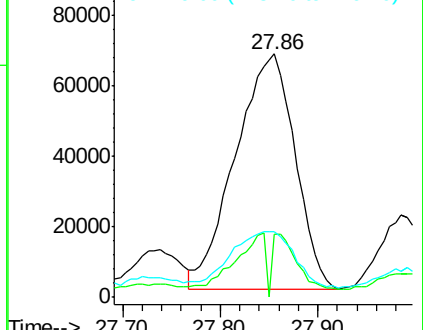
279 26.9 18.8 28.2



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



#29

Benzo(g,h,i)perylene

Concen: 22.11 ng/ul

RT: 28.76 min Scan# 4364

Delta R.T. 0.04 min

Lab File: BM002399.D

Acq: 13 Aug 2015 15:58

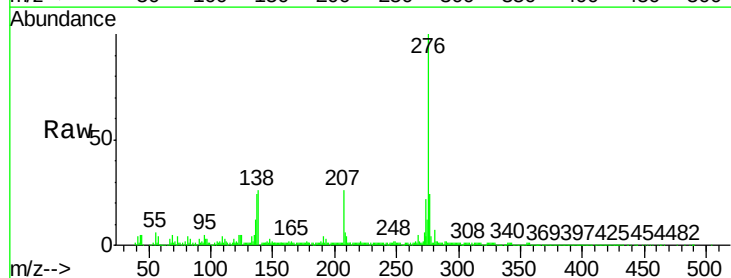
Tgt Ion:276 Resp: 836036

Ion Ratio Lower Upper

276 100

138 26.5 20.5 30.7

277 23.9 19.0 28.6



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

