

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002442.D
 Acq On : 16 Aug 2015 01:42
 Operator : UM/IZ
 Sample : G3219-02
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:19:51 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

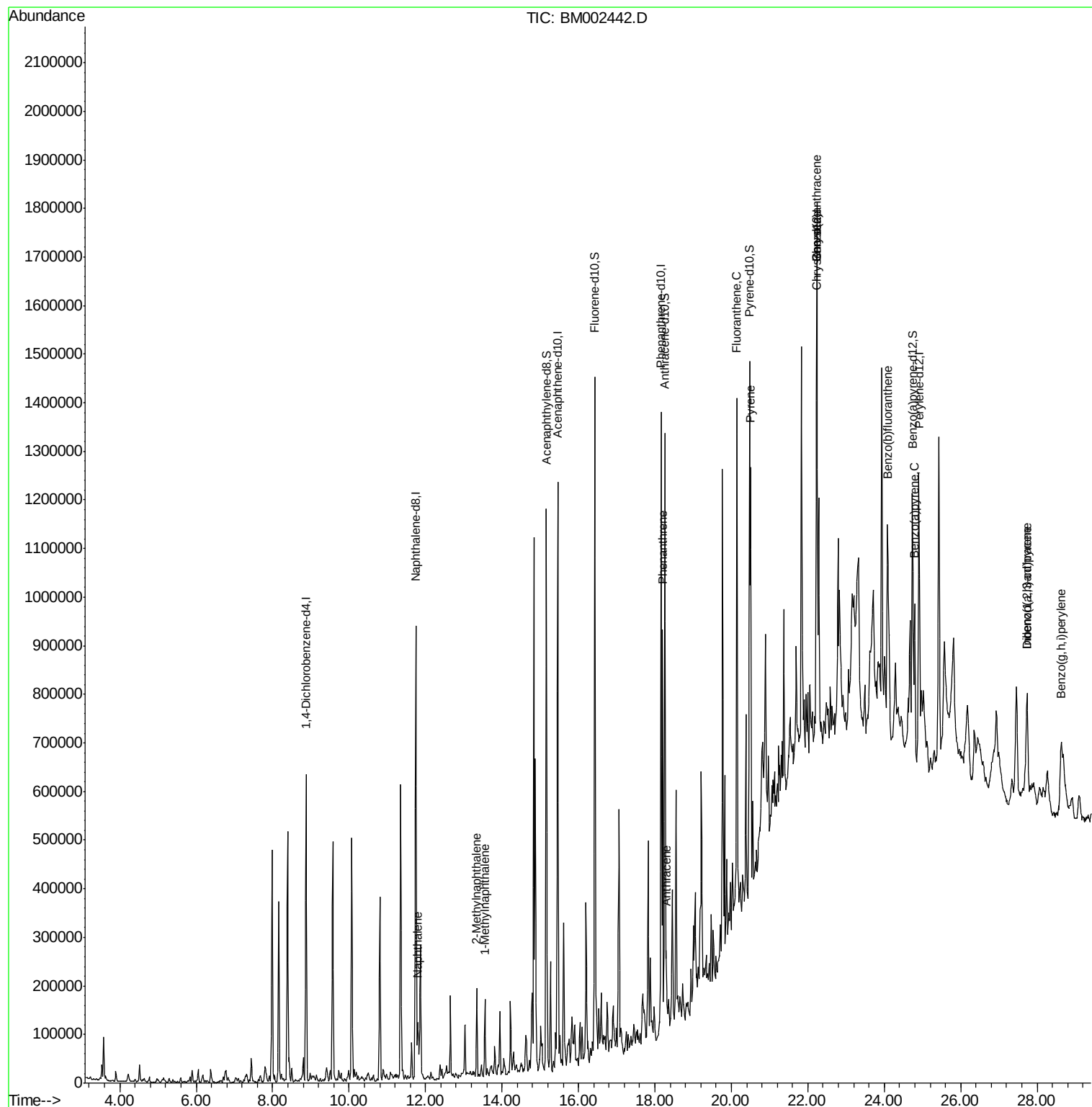
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	190444	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	844601	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	418794	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	751975	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	496519	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	497547	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	892450	20.84	ng/ul	0.00
10) Fluorene-d10	16.43	176	572723	19.04	ng/ul	0.00
14) Anthracene-d10	18.26	188	721209	19.88	ng/ul	0.00
18) Pyrene-d10	20.47	212	558072	25.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	458281	17.53	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	101416	2.35	ng/ul	100
4) 2-Methylnaphthalene	13.34	142	90512	2.80	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	74305	2.33	ng/ul	98
13) Phenanthrene	18.20	178	500988	11.54	ng/ul	100
15) Anthracene	18.29	178	87704	1.99	ng/ul	99
16) Fluoranthene	20.14	202	632651	12.87	ng/ul	98
19) Pyrene	20.50	202	487642	16.76	ng/ul	100
20) Benzo(a)anthracene	22.22	228	265698	8.95	ng/ul	98
21) Chrysene	22.22	228	263146	9.48	ng/ul	95
23) Benzo(b)fluoranthene	24.09	252	424707	14.12	ng/ul	96
26) Benzo(a)pyrene	24.79	252	272782	9.49	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.74	276	227915	6.90	ng/ul	94
28) Dibenzo(a,h)anthracene	27.73	278	60781	2.20	ng/ul#	71
29) Benzo(a,h,i)perylene	28.62	276	204012	7.42	ng/ul	97

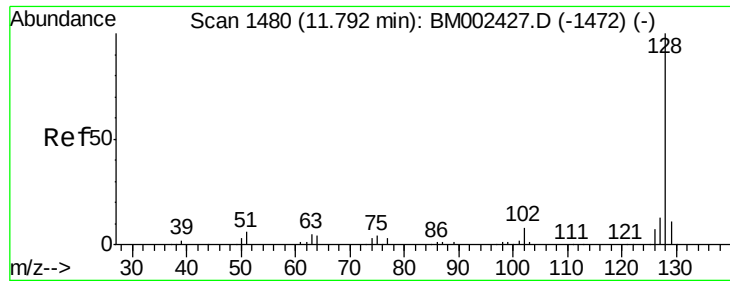
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.35 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

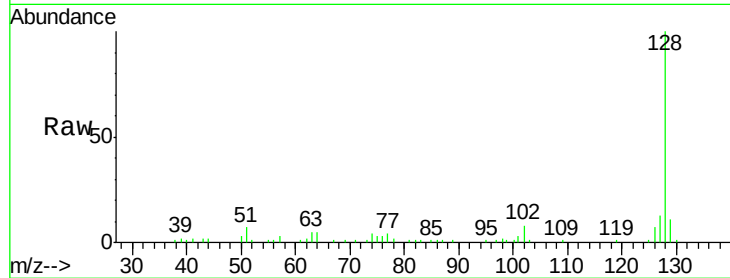
Tot Ion:128 Resp: 101416

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

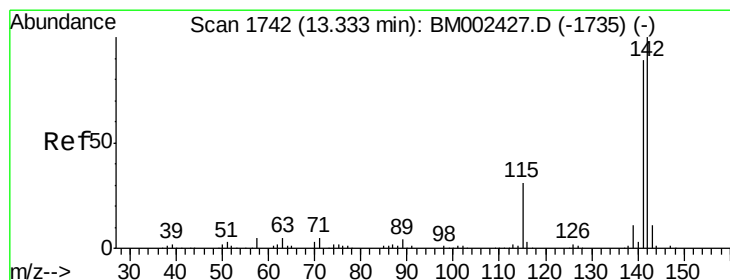
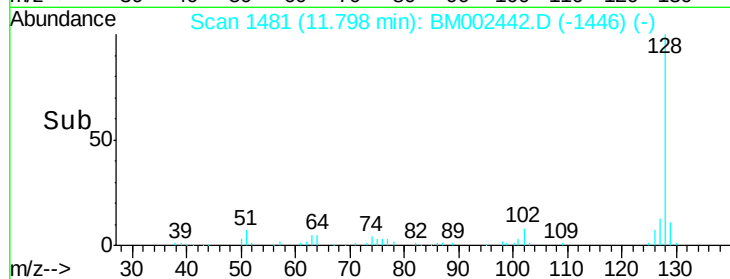
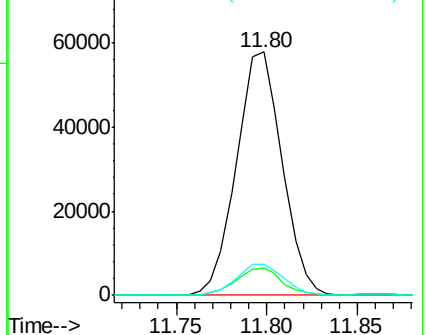
127 13.0 10.4 15.6



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: 2.80 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BM002442.D

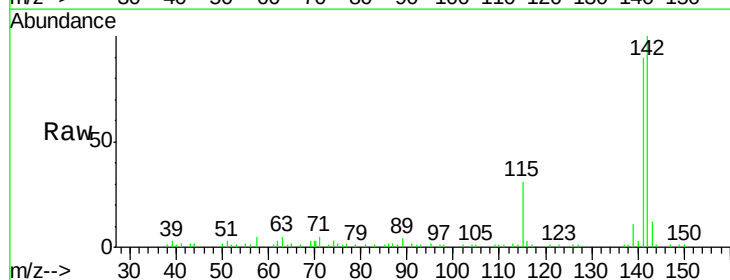
Acq: 16 Aug 2015 01:42

Tgt Ion:142 Resp: 90512

Ion Ratio Lower Upper

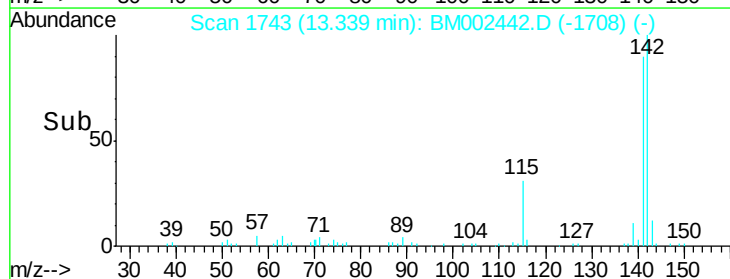
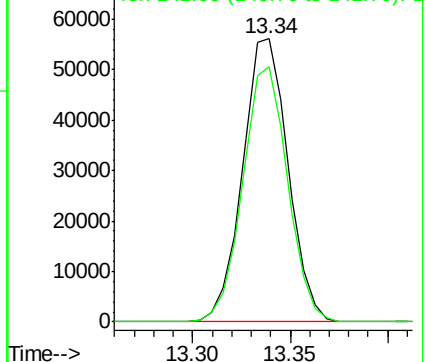
142 100

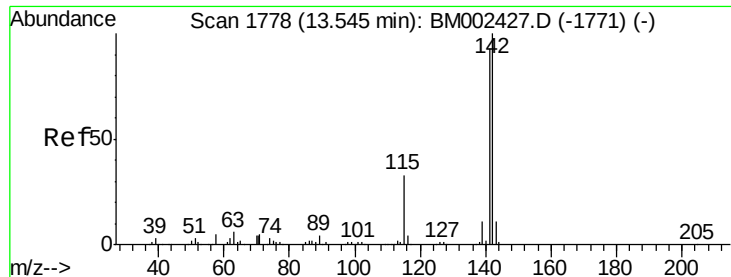
141 90.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.33 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

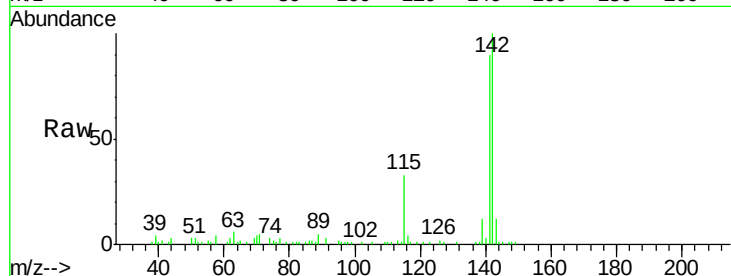
Tot Ion:142 Resp: 74305

Ion Ratio Lower Upper

142 100

141 90.3 73.9 110.9

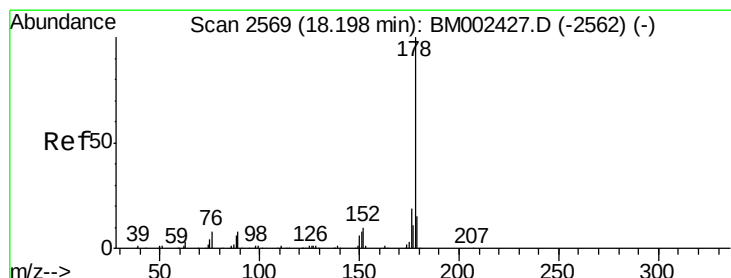
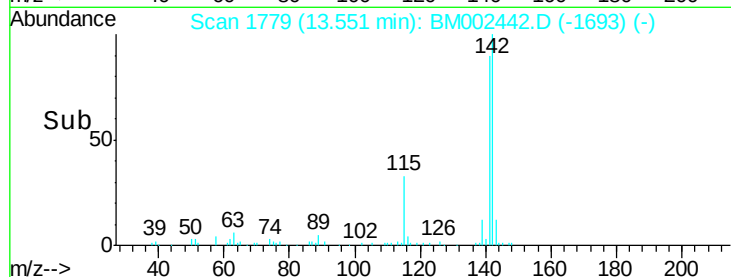
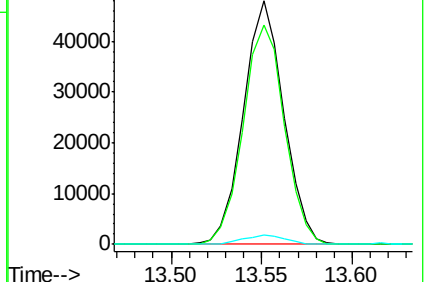
116 3.9 3.0 4.4



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



#13

Phenanthrene

Concen: 11.54 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

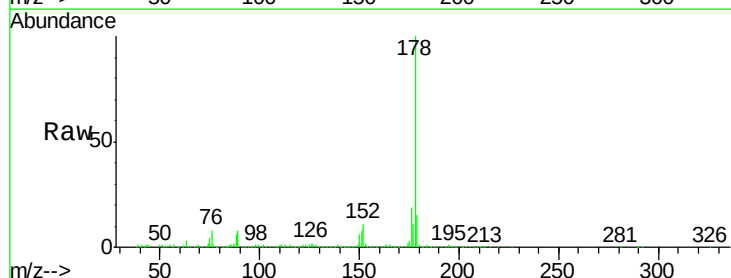
Tgt Ion:178 Resp: 500988

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

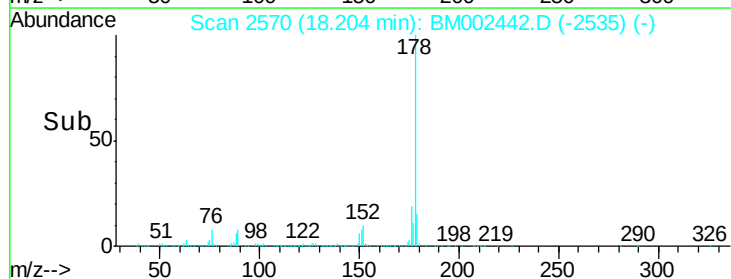
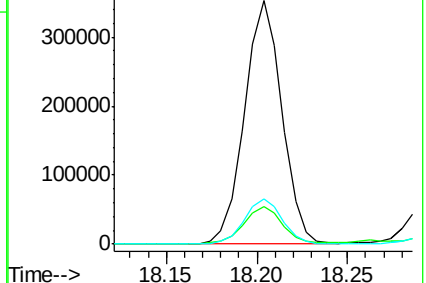
176 18.6 15.1 22.7

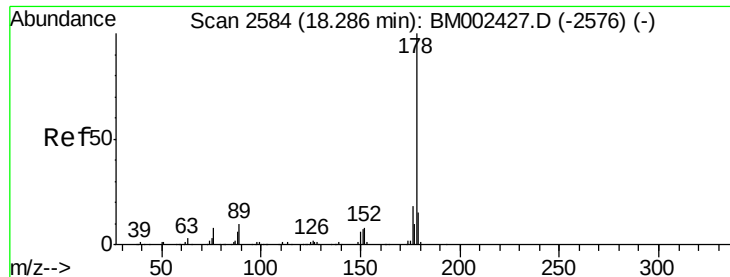


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.99 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

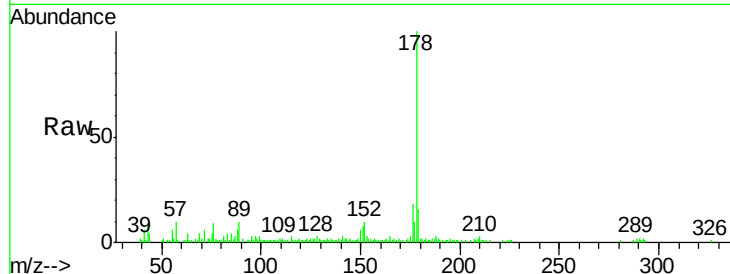
Tot Ion:178 Resp: 87704

Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

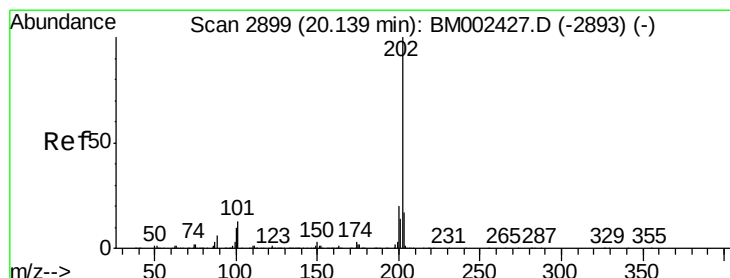
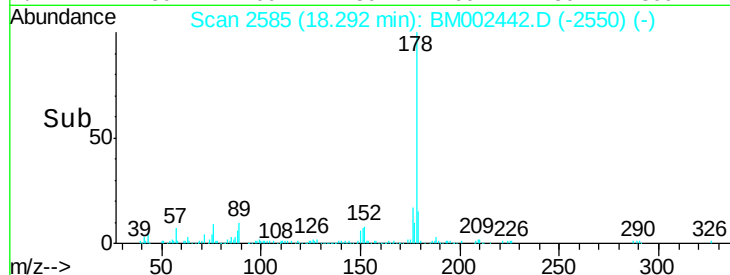
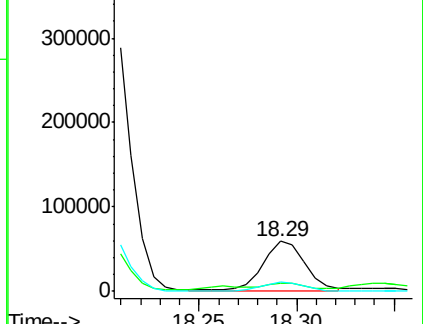
176 18.0 14.5 21.7



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: 12.87 ng/ul

RT: 20.14 min Scan# 2900

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

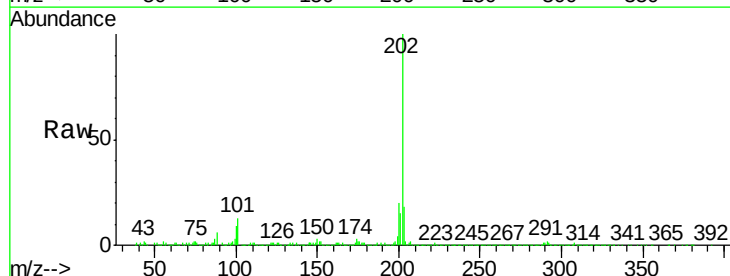
Tgt Ion:202 Resp: 632651

Ion Ratio Lower Upper

202 100

101 13.1 9.7 14.5

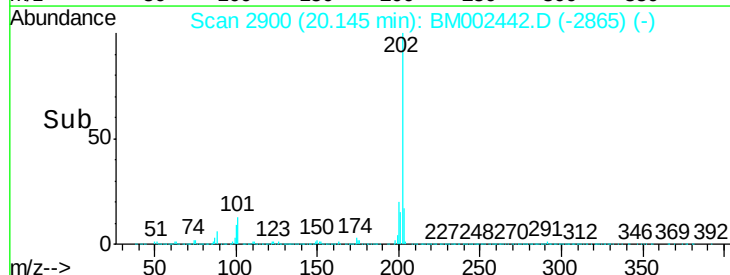
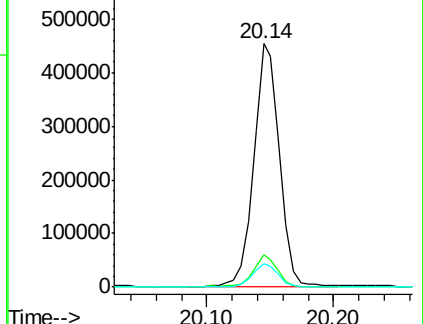
100 9.5 7.4 11.2

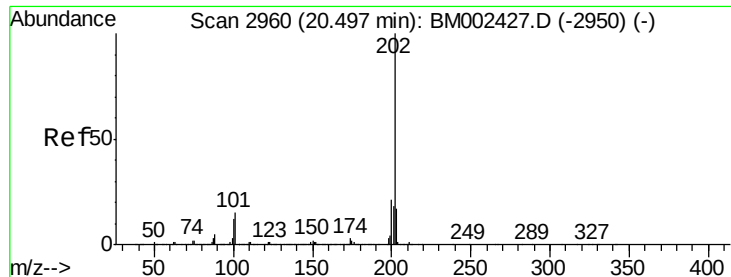


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

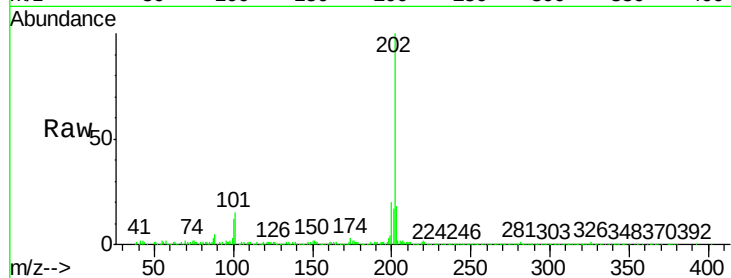




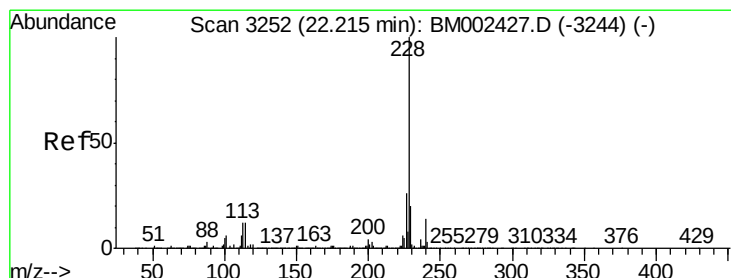
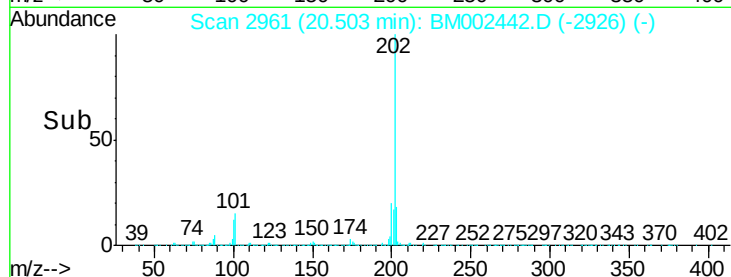
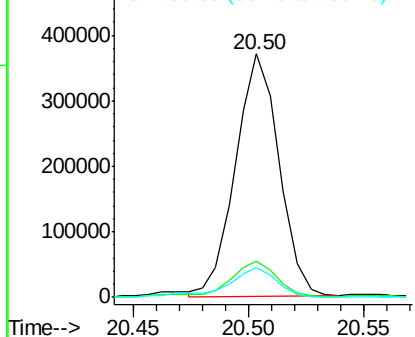
#19
 Pvrene
 Concen: 16.76 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	12.0	18.0
100	12.0	9.7	14.5

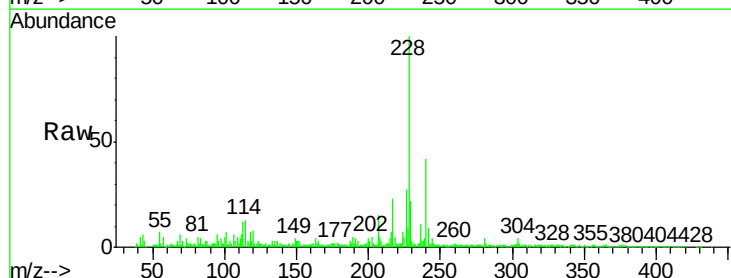


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

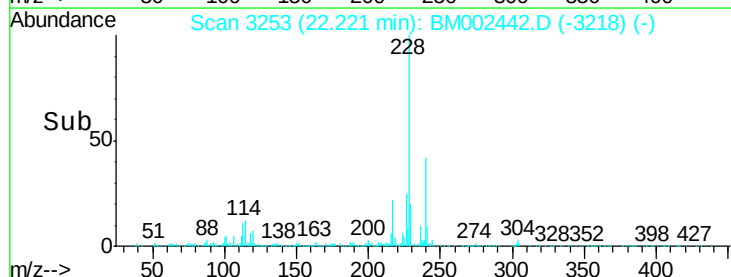
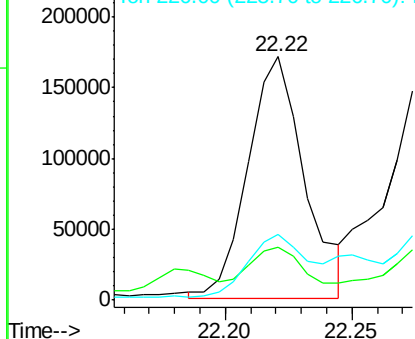


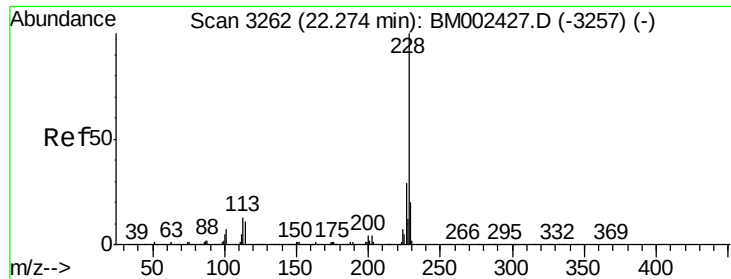
#20
 Benzo(a)anthracene
 Concen: 8.95 ng/ul
 RT: 22.22 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BM002442.D
 Acq: 16 Aug 2015 01:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.8	23.6
226	26.7	21.1	31.7



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





#21

Chrysene

Concen: 9.48 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. -0.05 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

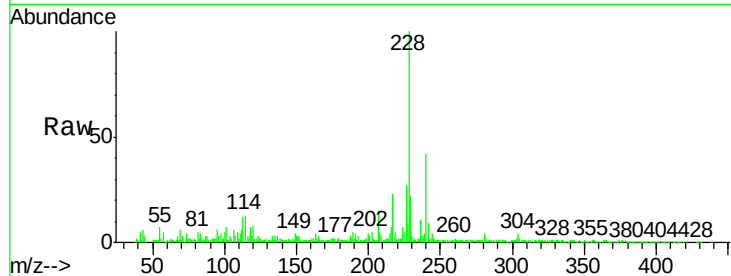
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 263146

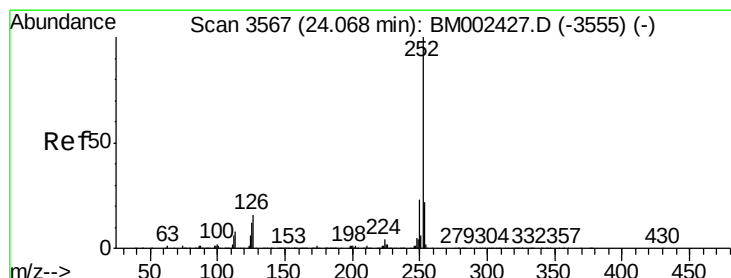
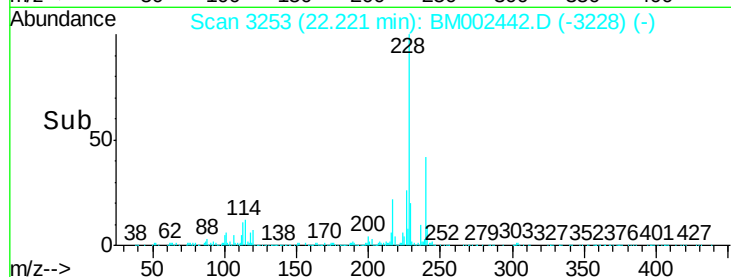
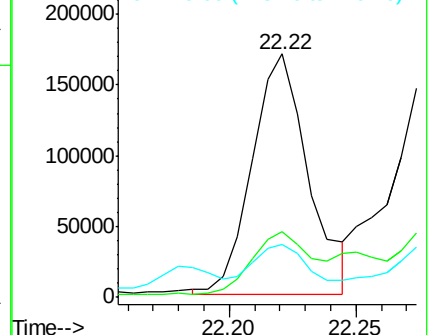
Ion	Ratio	Lower	Upper
228	100		
226	26.7	23.4	35.2
229	22.0	15.7	23.5



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: 14.12 ng/ul

RT: 24.09 min Scan# 3570

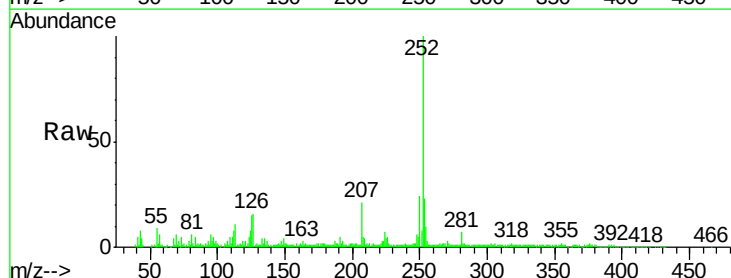
Delta R.T. 0.02 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Tgt Ion:252 Resp: 424707

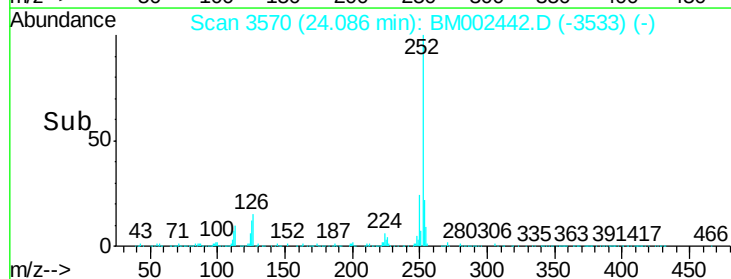
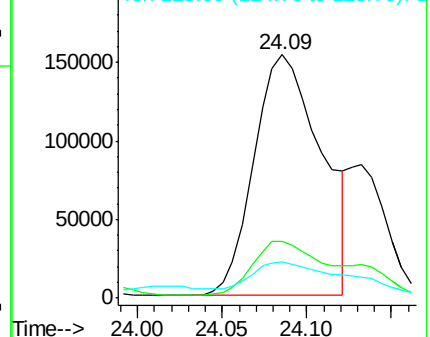
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	14.8	10.0	15.0

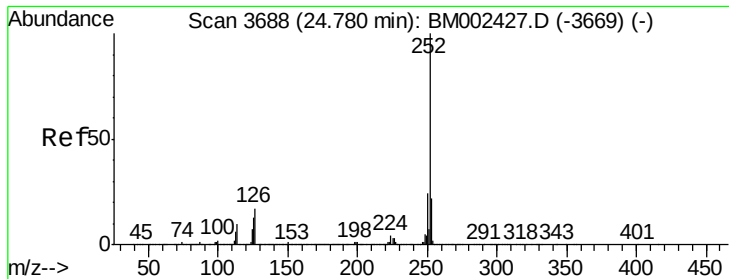


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 9.49 ng/ul

RT: 24.79 min Scan# 3690

Delta R.T. 0.01 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

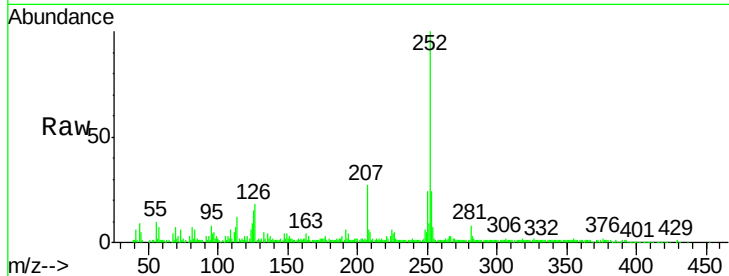
Tot Ion:252 Resp: 272782

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

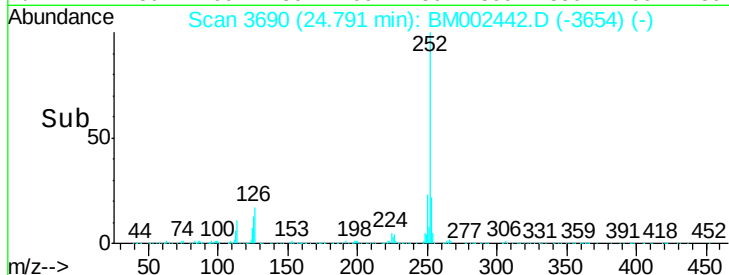
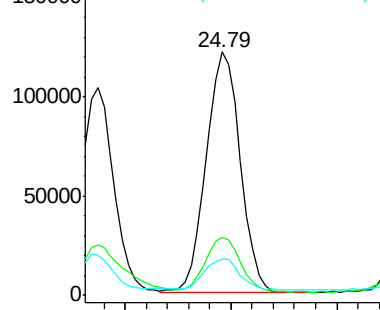
125 15.1 10.7 16.1



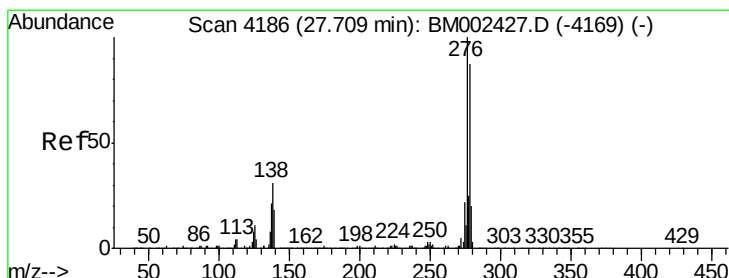
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#27

Indeno(1,2,3-cd)pyrene

Concen: 6.90 ng/ul

RT: 27.74 min Scan# 4191

Delta R.T. 0.03 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

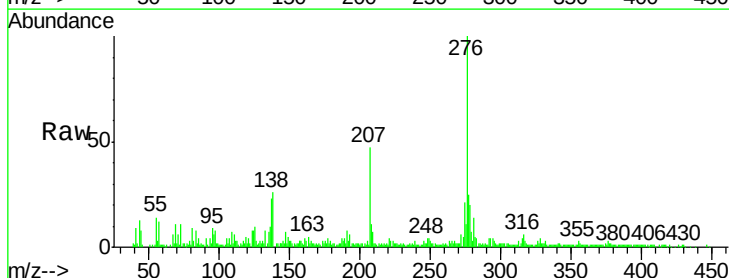
Tgt Ion:276 Resp: 227915

Ion Ratio Lower Upper

276 100

138 26.0 25.3 37.9

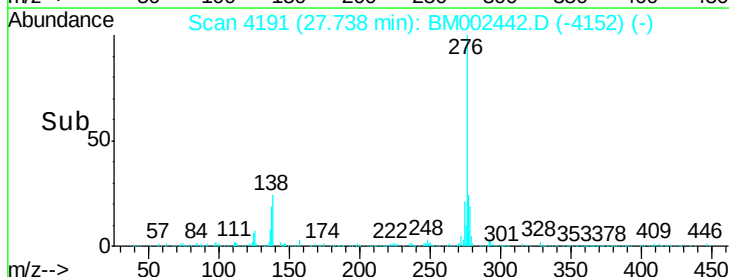
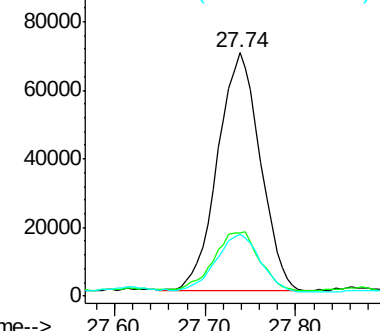
277 25.4 20.2 30.2



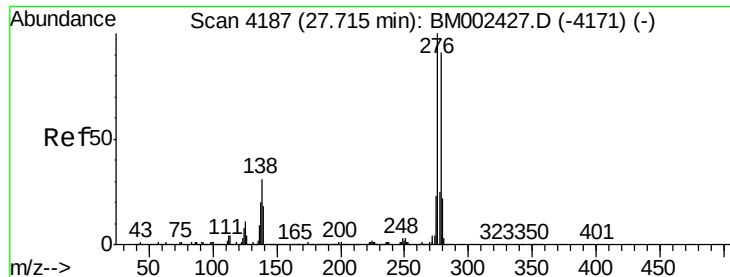
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#28

Dibenzo(a,h)anthracene

Concen: 2.20 ng/ul

RT: 27.73 min Scan# 4190

Delta R.T. 0.02 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

Instrument :

BNA_M

ClientSampleId :

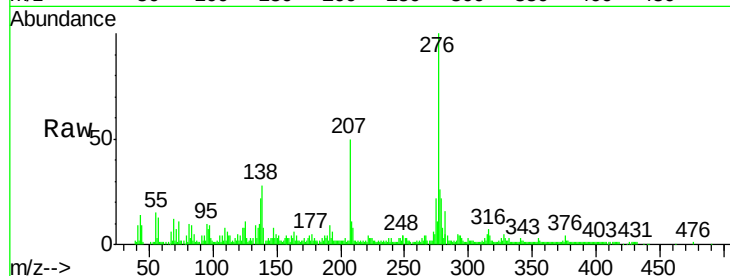
Tot Ion:278 Resp: 60781

Ion Ratio Lower Upper

278 100

139 34.9 16.5 24.7#

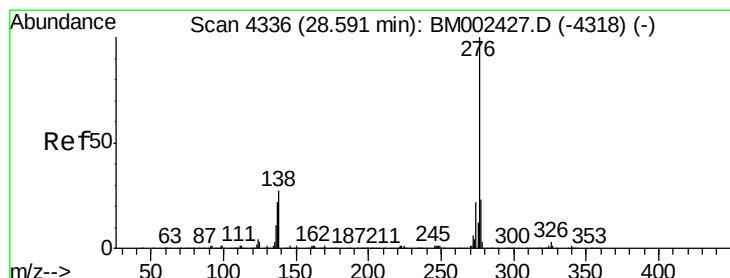
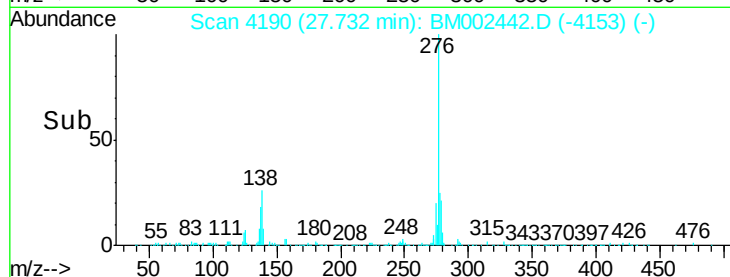
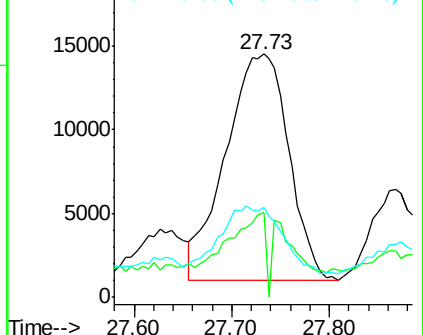
279 37.1 18.8 28.2#



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: 7.42 ng/ul

RT: 28.62 min Scan# 4341

Delta R.T. 0.03 min

Lab File: BM002442.D

Acq: 16 Aug 2015 01:42

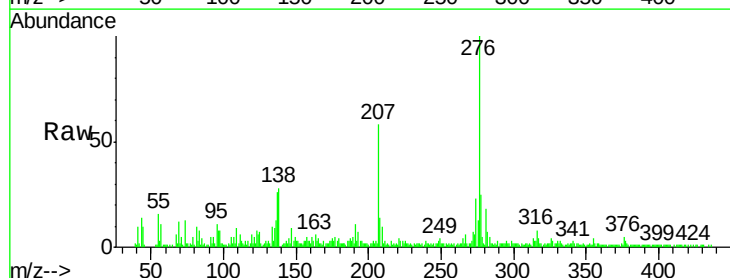
Tgt Ion:276 Resp: 204012

Ion Ratio Lower Upper

276 100

138 27.8 21.0 31.6

277 25.2 19.2 28.8



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

