

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007402.D
 Acq On : 03 Sep 2016 11:58
 Operator : UM/SJ
 Sample : H4639-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD389

Quant Time: Sep 05 01:45:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 05 01:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	228891	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1042222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	693221	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1768867	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2312033	20.00	ng/ul	0.00
83) Perylene-d12	23.62	264	2179042	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	15044	3.36	ng/uL	0.00
5) Phenol-d5	6.96	99	371361	17.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	204677	18.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	291543	18.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	306684	16.26	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	155730	20.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	183449	20.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	339219	19.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	172349	7.77	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1193538	19.96	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1437652	20.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	173816	15.40	ng/ul	0.00
57) Fluorene-d10	15.42	176	1070887	20.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	190172	17.10	ng/ul	0.00
70) Anthracene-d10	17.27	188	1711880	20.72	ng/ul	0.00
76) Pyrene-d10	19.56	212	2301312	23.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2219174	22.11	ng/ul	0.00

Target Compounds

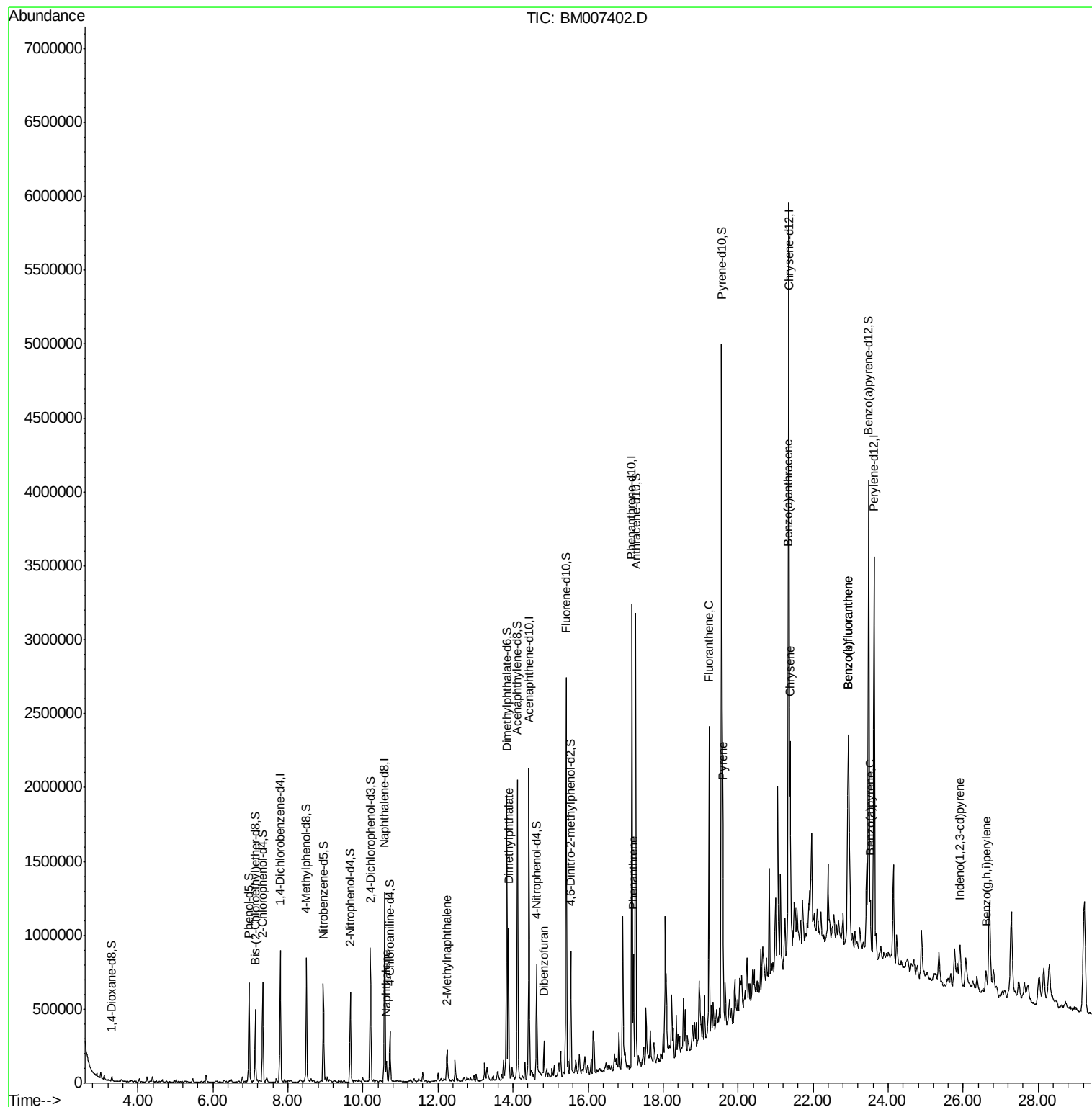
					Qvalue
28) Naphthalene	10.63	128	99890	1.93 ng/ul	100
34) 2-Methylnaphthalene	12.24	142	80991	1.91 ng/ul	91
44) Dimethylphthalate	13.88	163	591782	9.93 ng/ul	99
53) Dibenzofuran	14.82	168	110139	1.59 ng/ul	94
69) Phenanthrene	17.21	178	463477	4.88 ng/ul	99
74) Fluoranthene	19.23	202	1160596	9.74 ng/ul	99
77) Pyrene	19.59	202	795892	6.42 ng/ul	99
80) Benzo(a)anthracene	21.33	228	499333	3.66 ng/ul	97
82) Chrysene	21.39	228	1089752	8.83 ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1126415	8.74 ng/ul	98
86) Benzo(k)fluoranthene	22.94	252	1127275	9.47 ng/ul	99
88) Benzo(a)pyrene	23.52	252	270987	2.20 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.91	276	219149	1.45 ng/ul	99
91) Benzo(g,h,i)perylene	26.61	276	182090	1.42 ng/ul	99

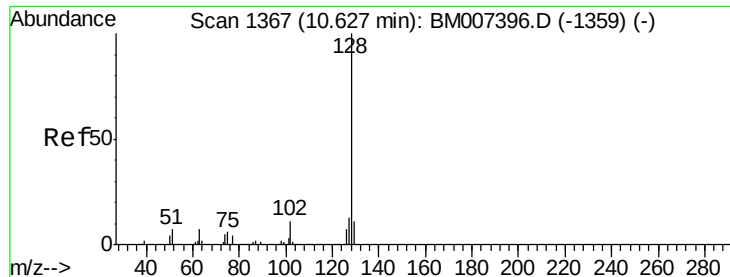
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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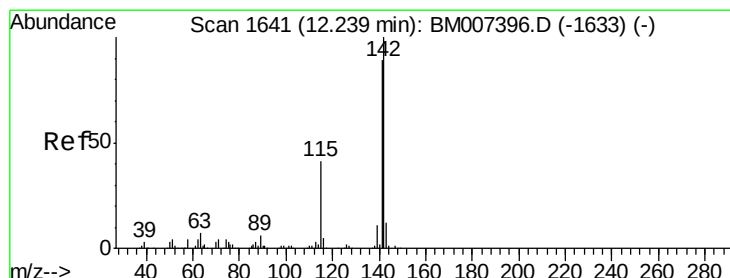
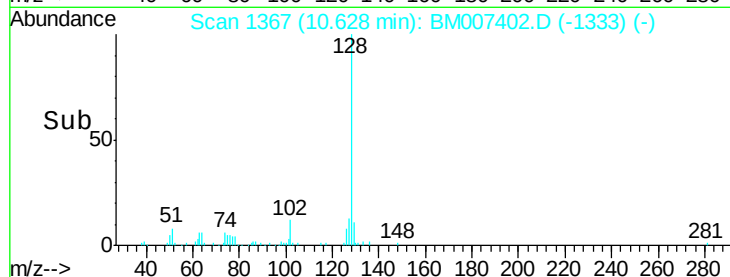
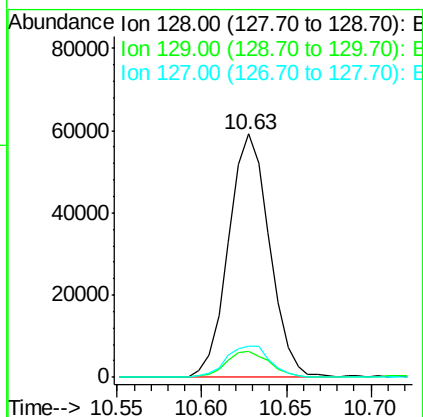
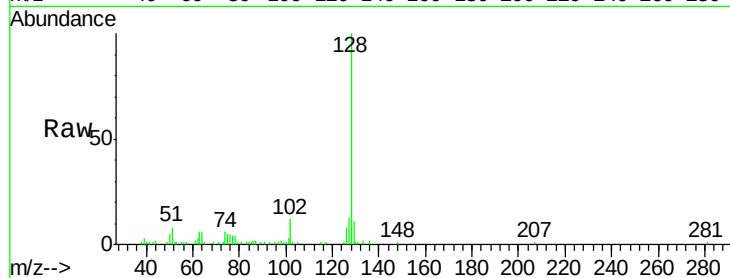




#28
Naphthalene
Concen: 1.93 ng/ul
RT: 10.63 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BM007402.D
Acq: 03 Sep 2016 11:58

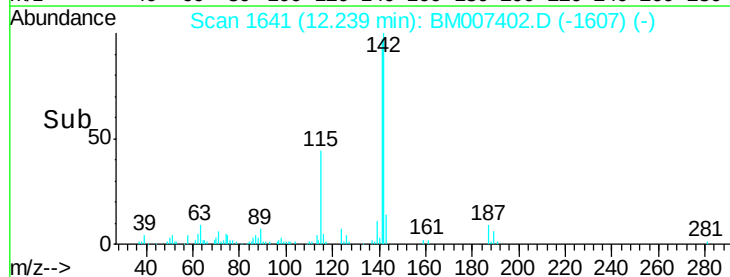
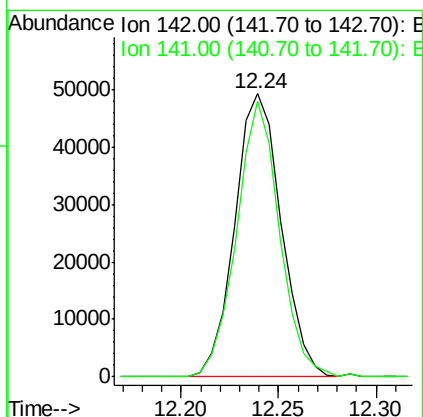
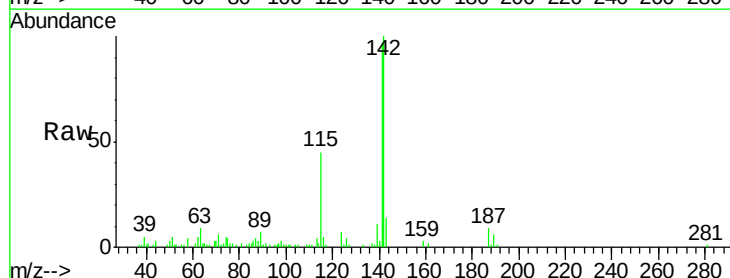
Instrument :
BNA_M
ClientSampleId :
BD389

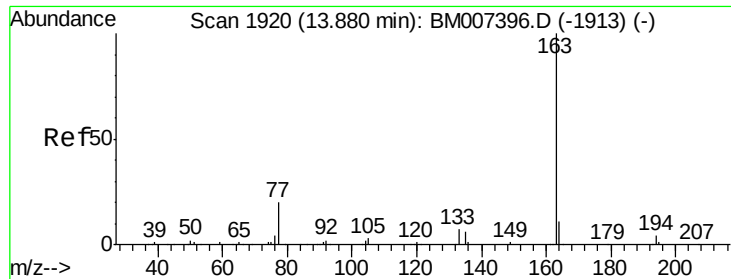
Tgt Ion:128 Resp: 99890
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.0 10.6 15.8



#34
2-Methylnaphthalene
Concen: 1.91 ng/ul
RT: 12.24 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM007402.D
Acq: 03 Sep 2016 11:58

Tgt Ion:142 Resp: 80991
Ion Ratio Lower Upper
142 100
141 97.3 71.3 106.9





#44

Dimethylphthalate

Concen: 9.93 ng/ul

RT: 13.88 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

Instrument :

BNA_M

ClientSampleId :

BD389

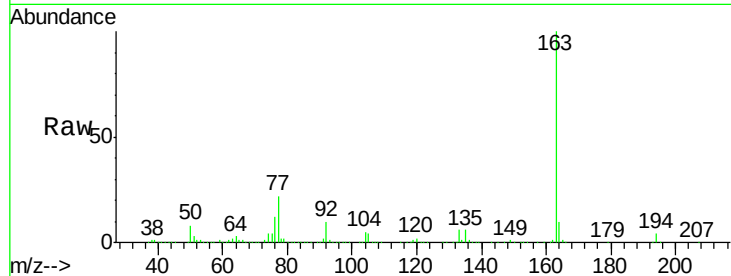
Tgt Ion:163 Resp: 591782

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

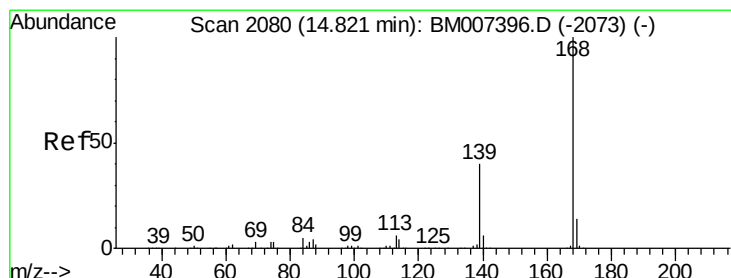
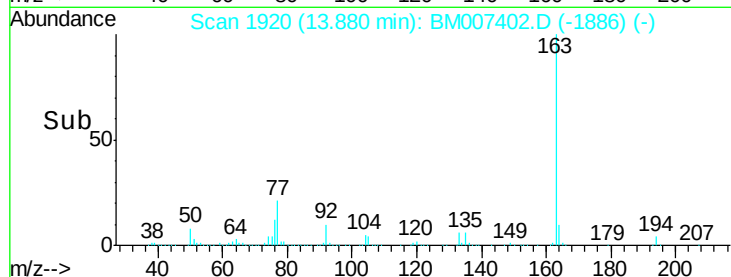
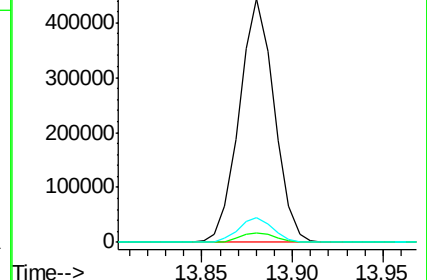
164 10.1 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

Dibenzofuran

Concen: 1.59 ng/ul

RT: 14.82 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM007402.D

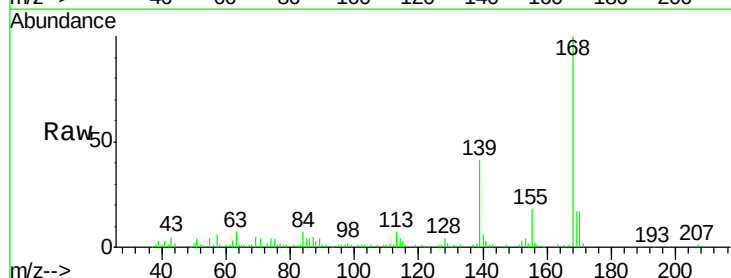
Acq: 03 Sep 2016 11:58

Tgt Ion:168 Resp: 110139

Ion Ratio Lower Upper

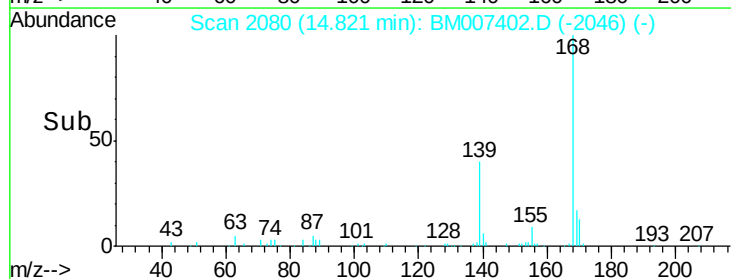
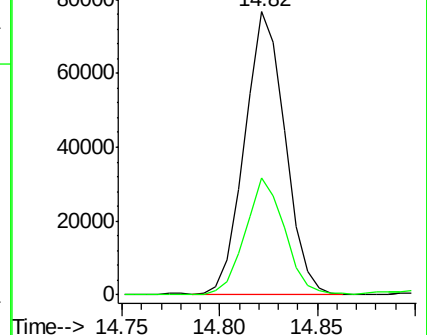
168 100

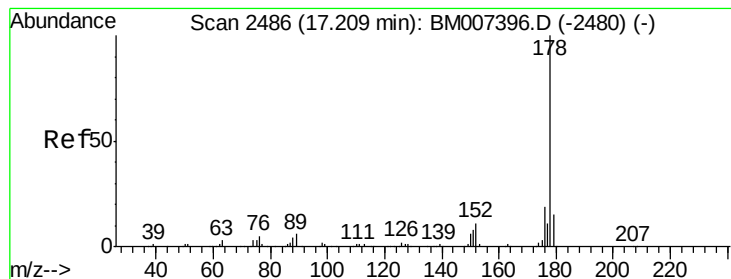
139 41.2 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 4.88 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

Instrument :

BNA_M

ClientSampleId :

BD389

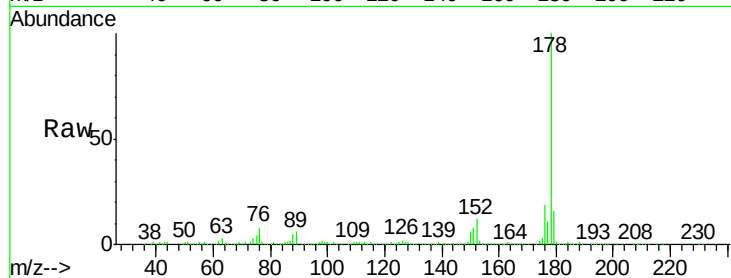
Tgt Ion:178 Resp: 463477

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

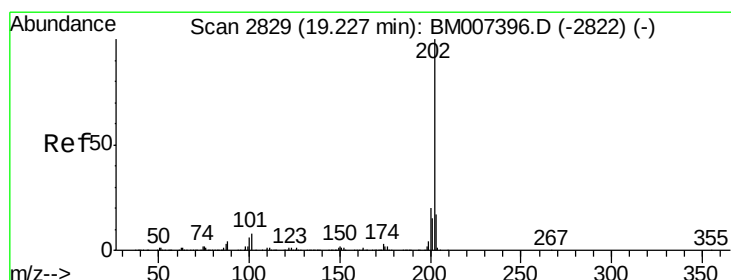
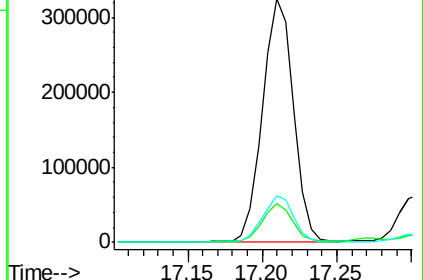
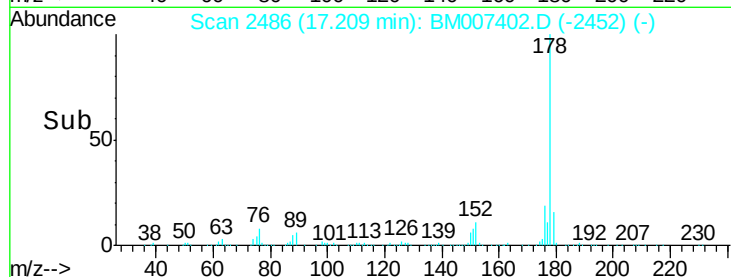
176 18.9 15.1 22.7



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



#74

Fluoranthene

Concen: 9.74 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

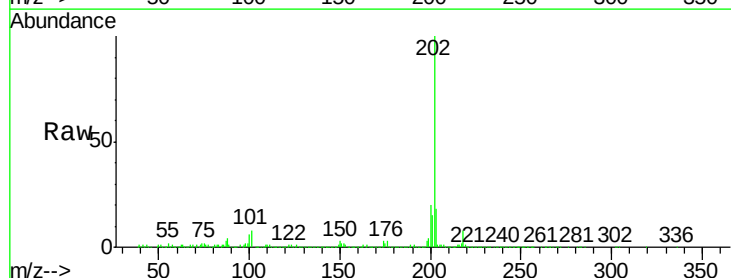
Tgt Ion:202 Resp: 1160596

Ion Ratio Lower Upper

202 100

101 8.2 6.9 10.3

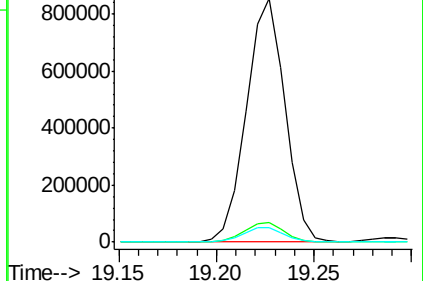
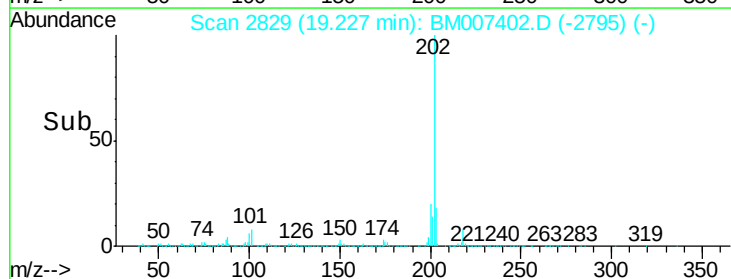
100 6.2 5.4 8.0

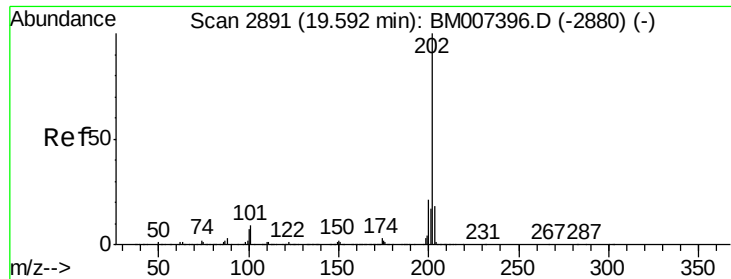


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 6.42 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

Instrument :

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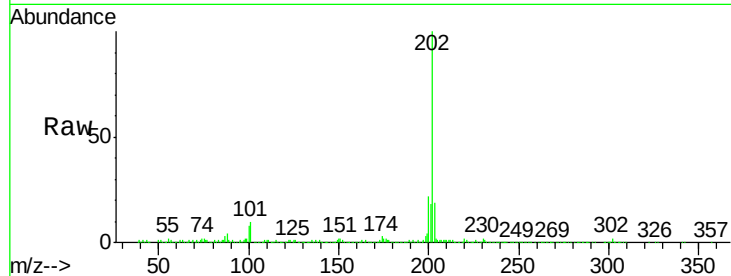
Tgt Ion:202 Resp: 795892

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

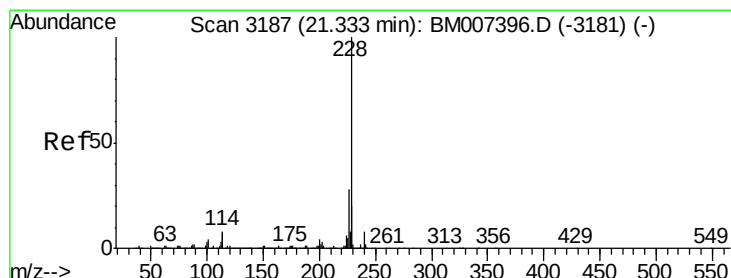
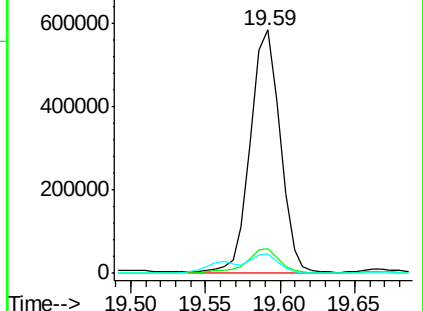
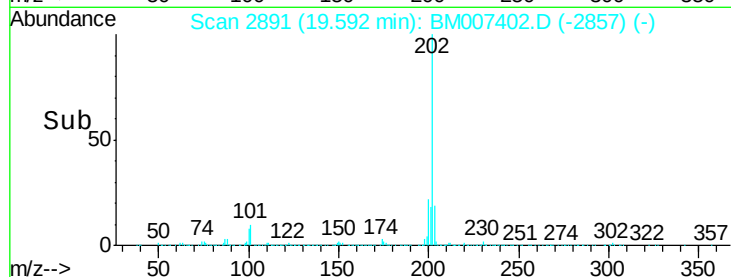
100 7.9 6.9 10.3



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



#80

Benzo(a)anthracene

Concen: 3.66 ng/ul

RT: 21.33 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

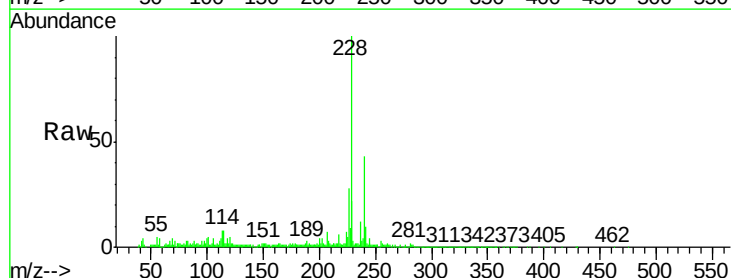
Tgt Ion:228 Resp: 499333

Ion Ratio Lower Upper

228 100

229 22.2 15.6 23.4

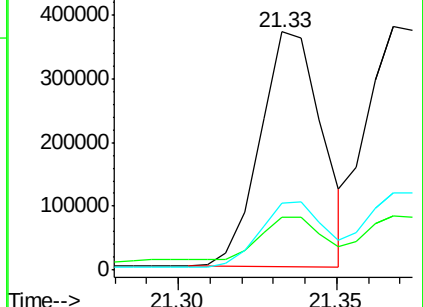
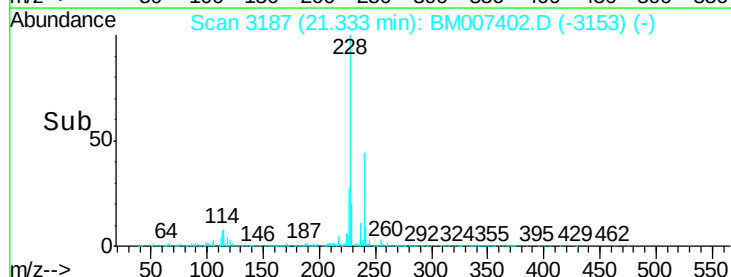
226 28.2 21.8 32.8

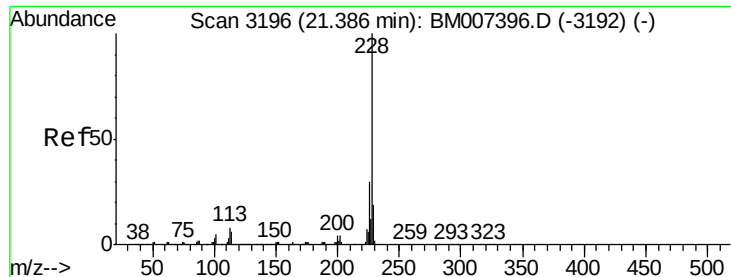


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.83 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007402.D

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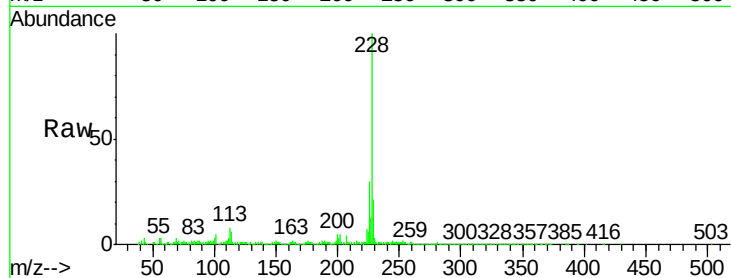
Tgt Ion:228 Resp: 1089752

Ion Ratio Lower Upper

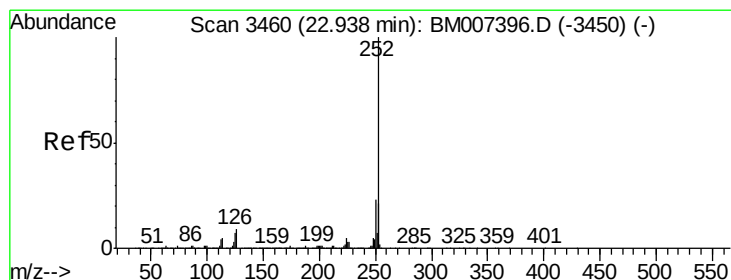
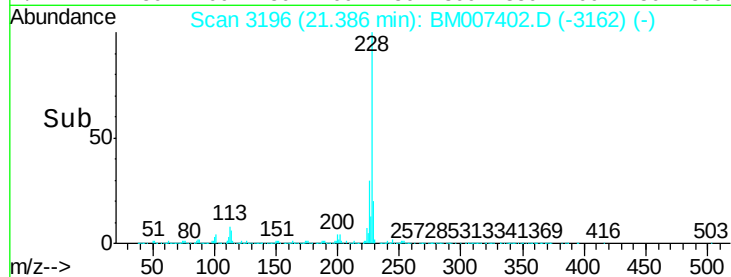
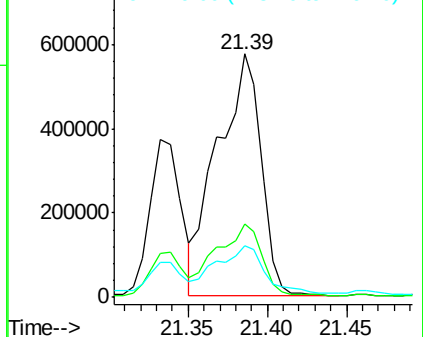
228 100

226 30.1 23.4 35.2

229 21.4 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



#85

Benzo(b)fluoranthene

Concen: 8.74 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

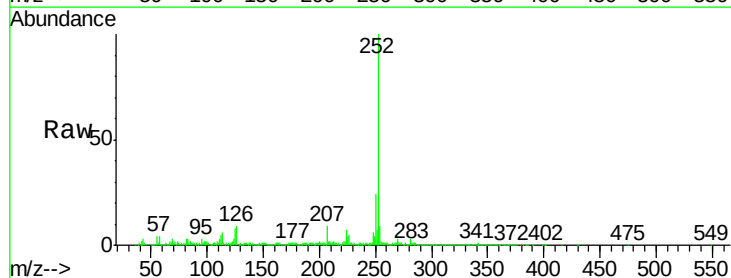
Tgt Ion:252 Resp: 1126415

Ion Ratio Lower Upper

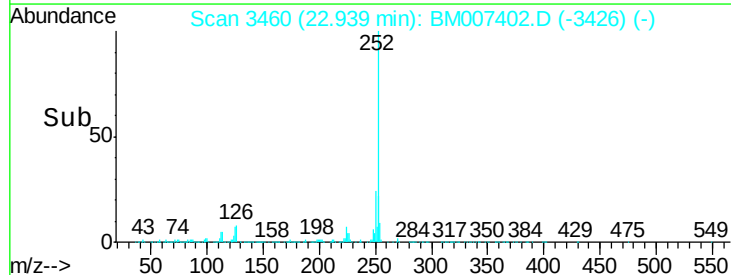
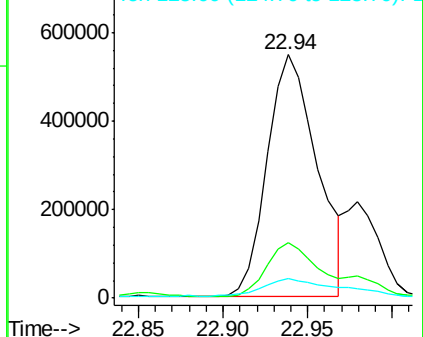
252 100

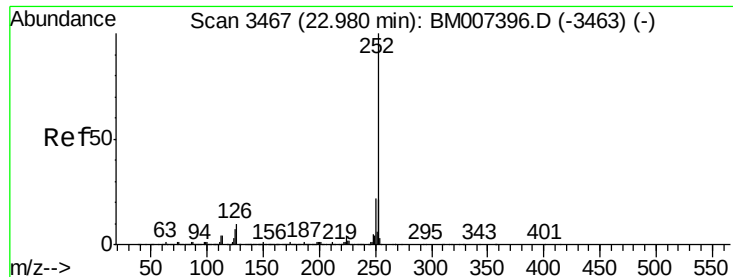
253 22.6 17.1 25.7

125 7.8 5.8 8.8



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

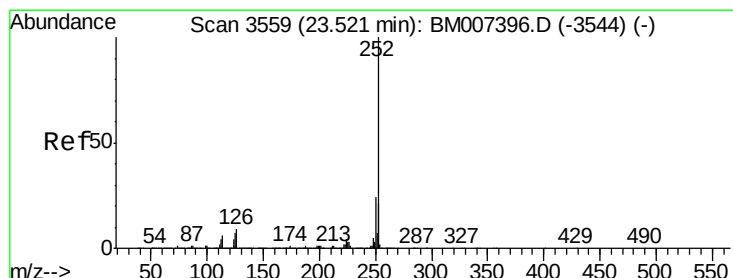
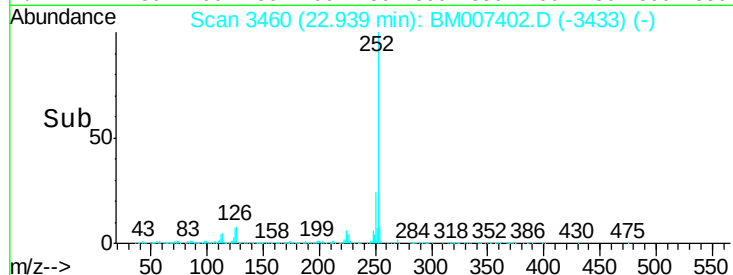
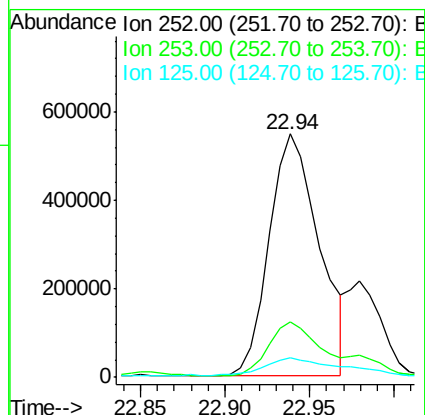
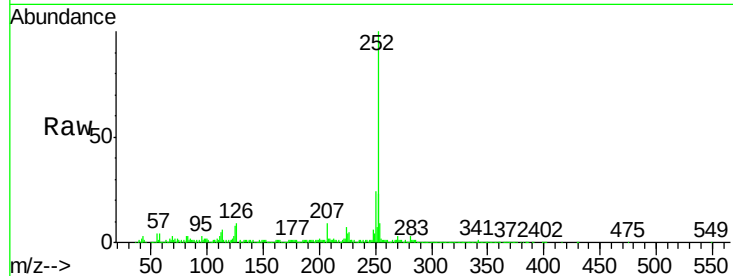




#86
Benzo(k)fluoranthene
Concen: 9.47 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.04 min
Lab File: BM007402.D
Acq: 03 Sep 2016 11:58

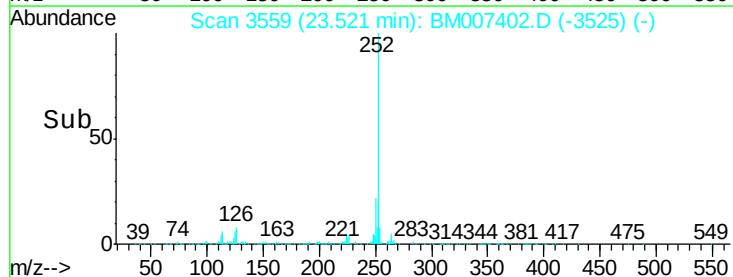
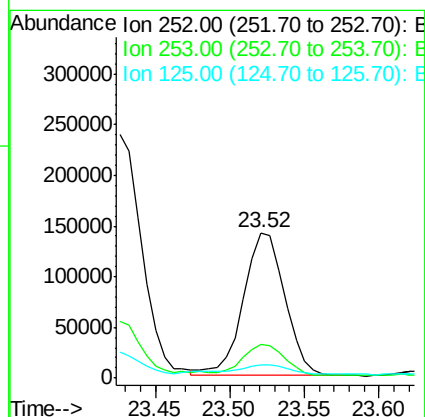
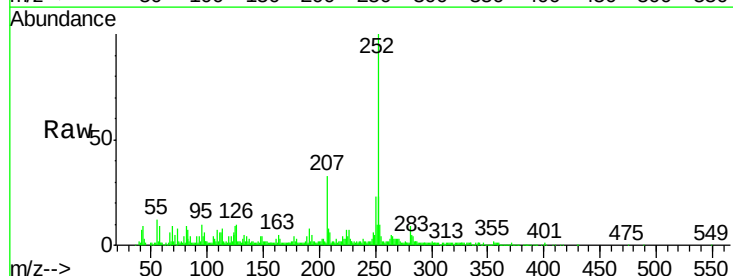
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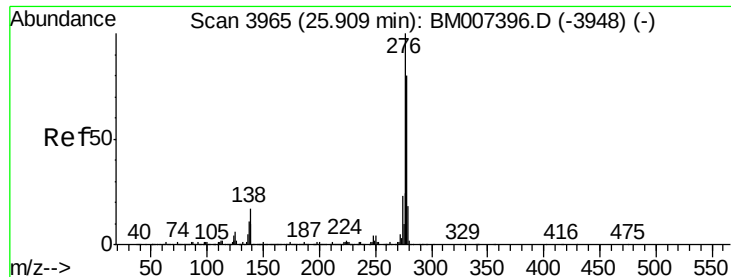
Tgt Ion:252 Resp: 1127275
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 7.8 5.7 8.5



#88
Benzo(a)pyrene
Concen: 2.20 ng/ul
RT: 23.52 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BM007402.D
Acq: 03 Sep 2016 11:58

Tgt Ion:252 Resp: 270987
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.4 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.45 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. 0.00 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

Instrument :

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ClientSampleId :

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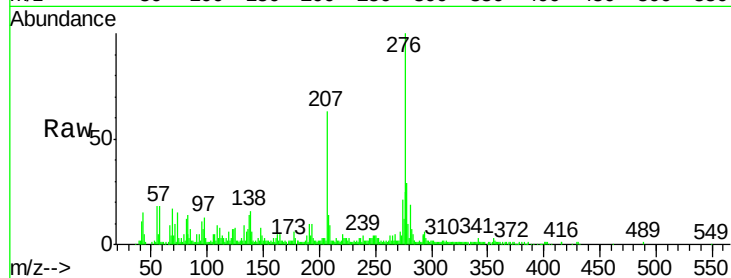
Tgt Ion:276 Resp: 219149

Ion Ratio Lower Upper

276 100

138 16.2 13.9 20.9

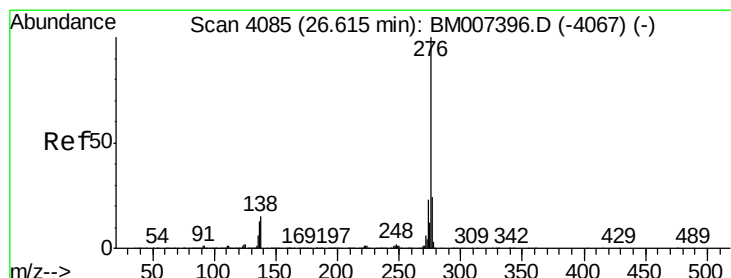
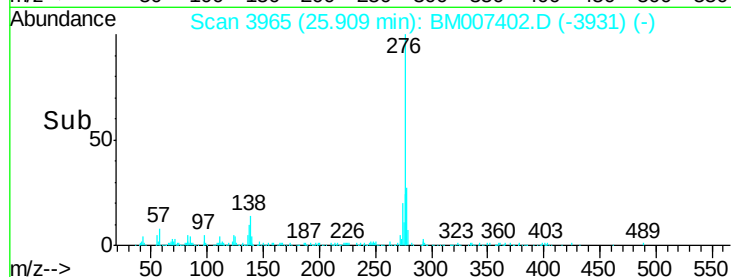
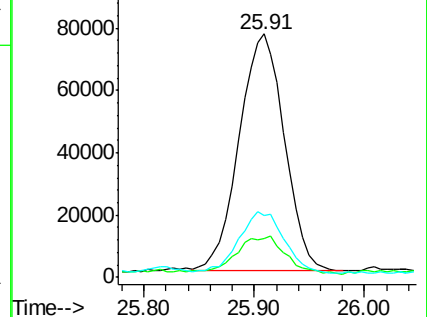
277 25.2 20.1 30.1



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



#91

Benzo(g,h,i)perylene

Concen: 1.42 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BM007402.D

Acq: 03 Sep 2016 11:58

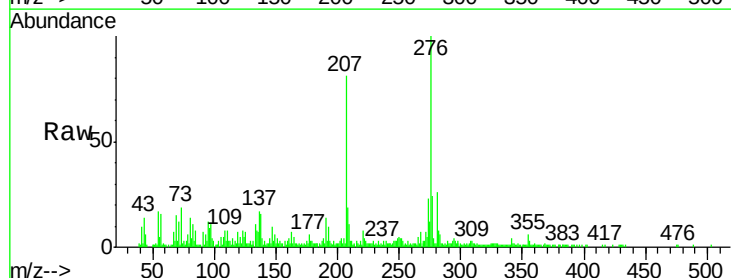
Tgt Ion:276 Resp: 182090

Ion Ratio Lower Upper

276 100

138 16.2 13.5 20.3

277 24.4 19.3 28.9



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

