

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007401.D
 Acq On : 03 Sep 2016 11:22
 Operator : UM/SJ
 Sample : H4639-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD391

Quant Time: Sep 05 01:45:45 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	199735	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	926793	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	626537	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1600222	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2098394	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2082125	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	13186	3.37	ng/uL	0.00
5) Phenol-d5	6.96	99	315910	16.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	183079	18.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	249700	17.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	261968	15.92	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	137581	20.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	156987	19.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	290380	18.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	304341	15.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1067021	19.74	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1269469	20.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	119406	11.70	ng/ul	0.00
57) Fluorene-d10	15.42	176	969278	20.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	160606	15.96	ng/ul	0.00
70) Anthracene-d10	17.27	188	1579074	21.12	ng/ul	0.00
76) Pyrene-d10	19.56	212	2076658	23.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	2060612	21.49	ng/ul	0.00

Target Compounds

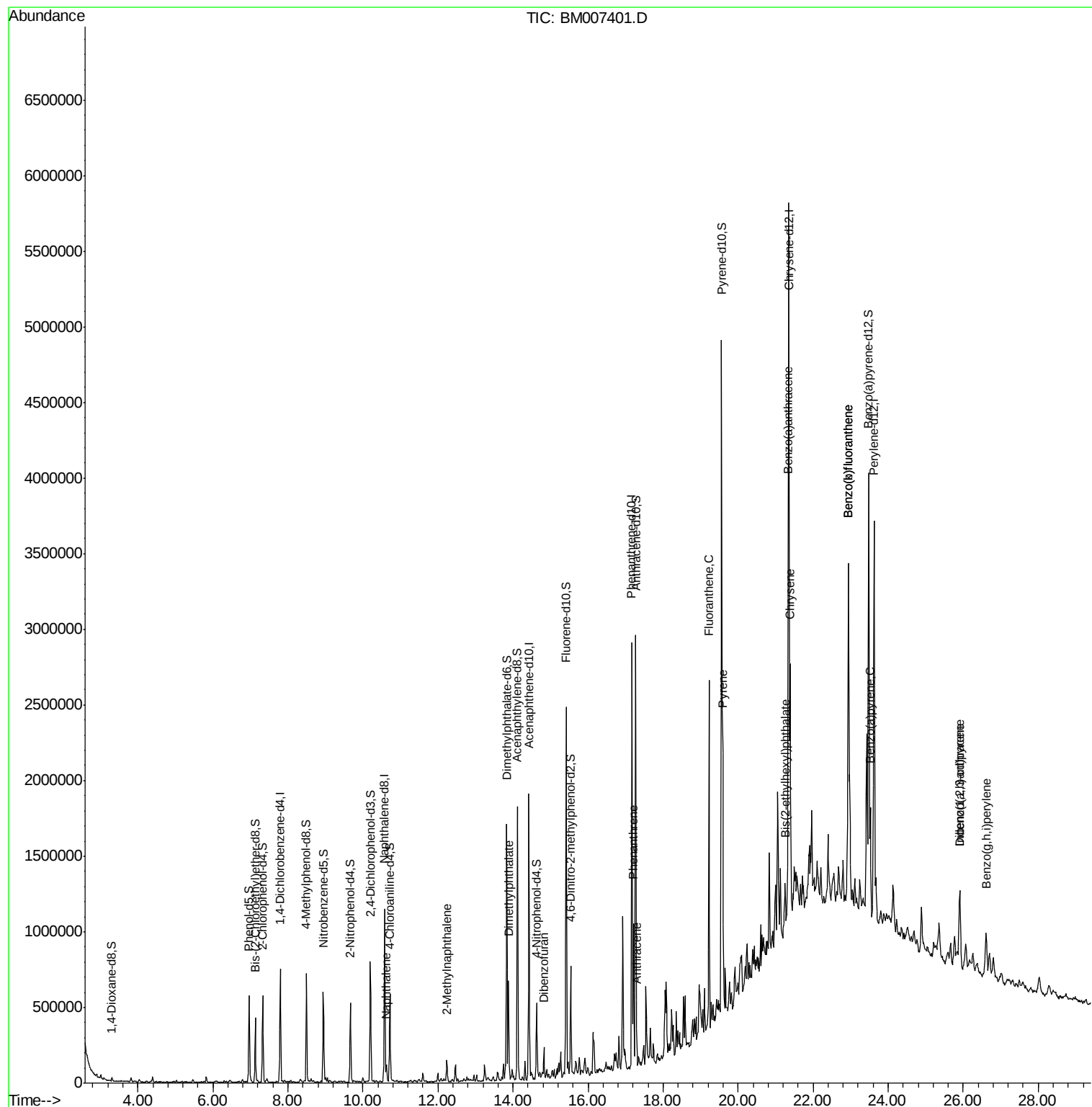
						Qvalue
28) Naphthalene	10.63	128	86655	1.88	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	64205	1.70	ng/ul	98
44) Dimethylphthalate	13.88	163	378165	7.02	ng/ul	98
53) Dibenzofuran	14.83	168	90233	1.44	ng/ul	99
69) Phenanthrene	17.21	178	577785	6.73	ng/ul	99
71) Anthracene	17.30	178	146628	1.65	ng/ul	98
74) Fluoranthene	19.23	202	1325891	12.30	ng/ul	99
77) Pyrene	19.59	202	1036133	9.20	ng/ul	96
80) Benzo(a)anthracene	21.33	228	625544	5.06	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.26	149	70078	1.03	ng/ul	98
82) Chrysene	21.39	228	1265859	11.30	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1830350	14.87	ng/ul	98
86) Benzo(k)fluoranthene	22.94	252	1830350	16.09	ng/ul	99
88) Benzo(a)pyrene	23.53	252	512372	4.35	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.91	276	484695	3.35	ng/ul	97
90) Dibenzo(a,h)anthracene	25.91	278	146369	1.22	ng/ul#	87
91) Benzo(g,h,i)perylene	26.61	276	358325	2.92	ng/ul	97

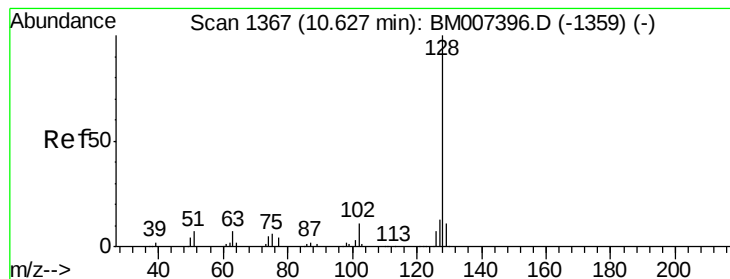
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.88 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

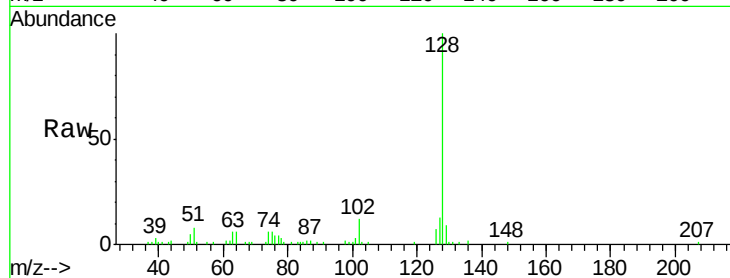
Tgt Ion:128 Resp: 86655

Ion Ratio Lower Upper

128 100

129 9.1 8.6 12.8

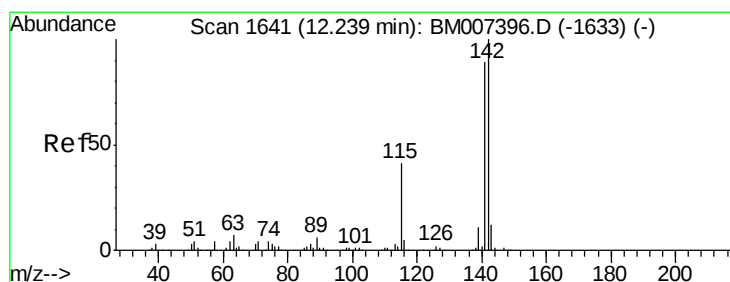
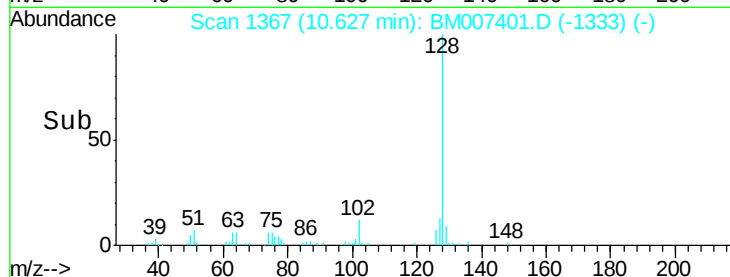
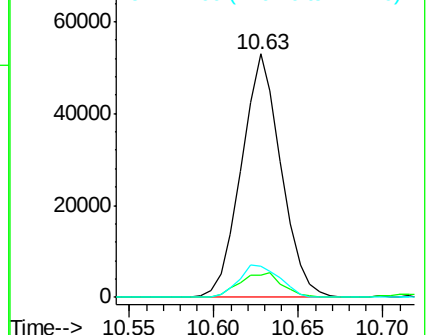
127 13.0 10.6 15.8



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



#34

2-Methylnaphthalene

Concen: 1.70 ng/ul

RT: 12.24 min Scan# 1641

Delta R.T. 0.00 min

Lab File: BM007401.D

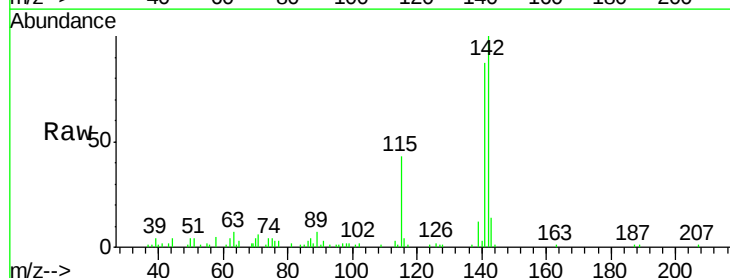
Acq: 03 Sep 2016 11:22

Tgt Ion:142 Resp: 64205

Ion Ratio Lower Upper

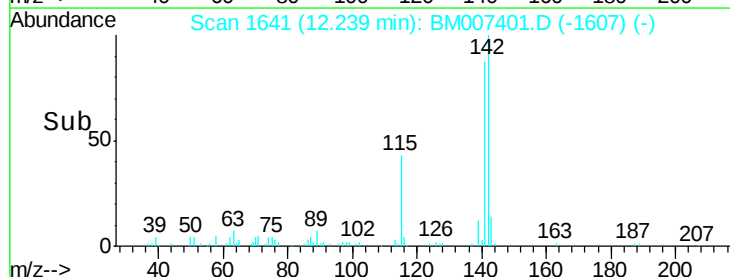
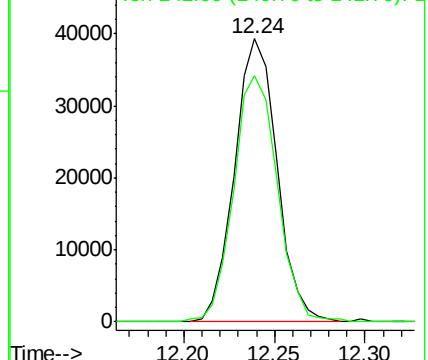
142 100

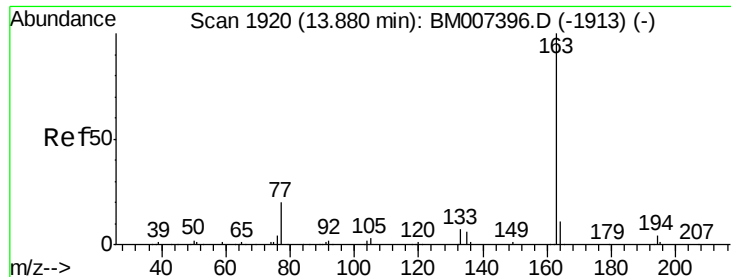
141 86.8 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 7.02 ng/ul

RT: 13.88 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

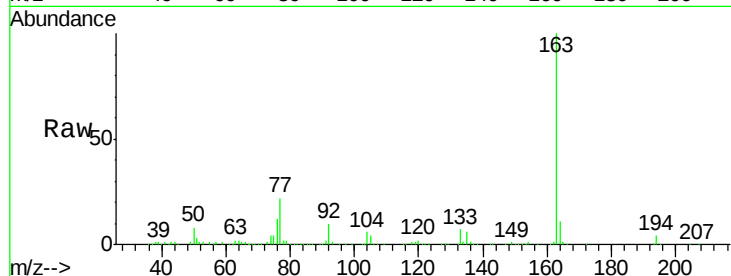
Tgt Ion:163 Resp: 378165

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

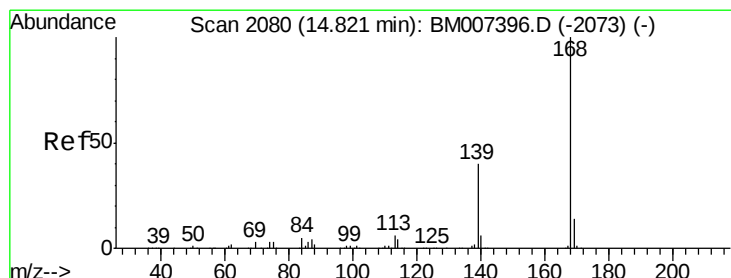
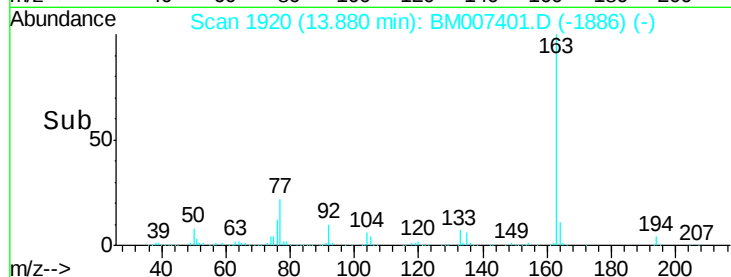
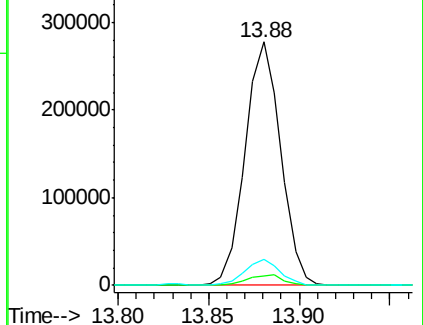
164 10.5 7.8 11.8



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: 1.44 ng/ul

RT: 14.83 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BM007401.D

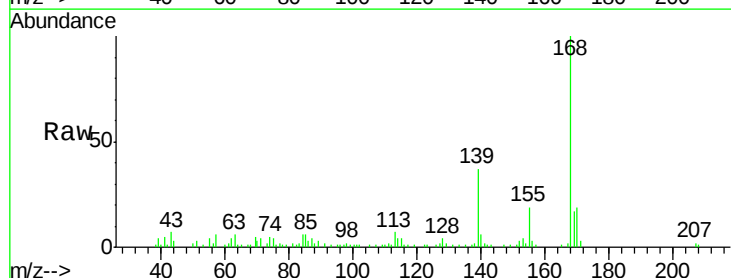
Acq: 03 Sep 2016 11:22

Tgt Ion:168 Resp: 90233

Ion Ratio Lower Upper

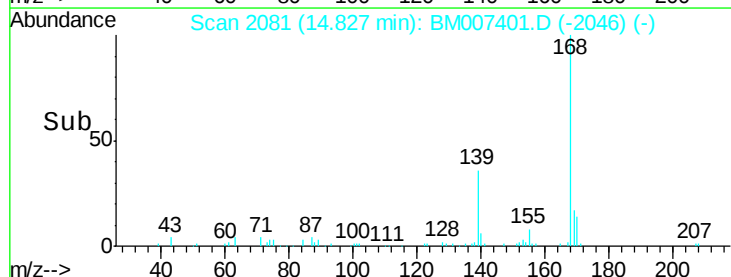
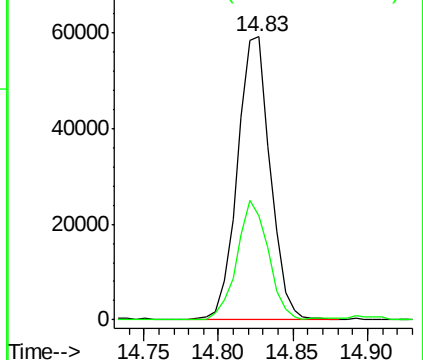
168 100

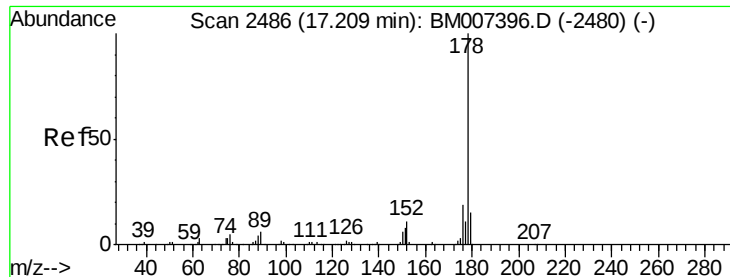
139 36.9 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 6.73 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampled :

BD391

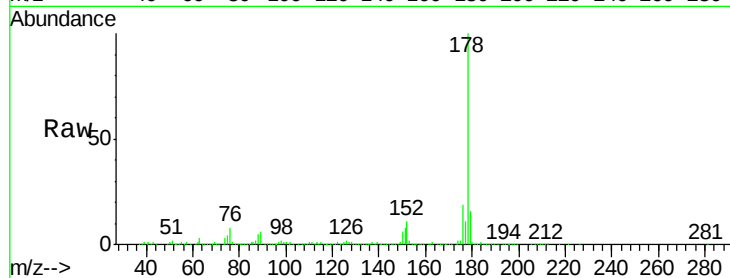
Tgt Ion:178 Resp: 577785

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

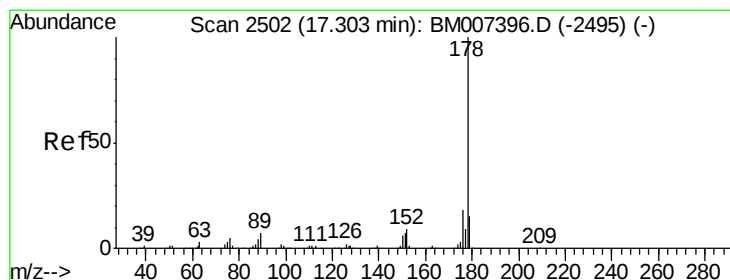
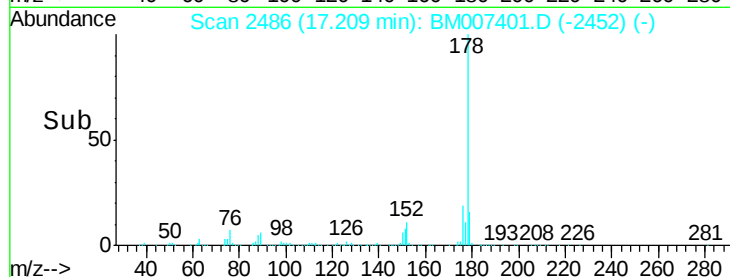
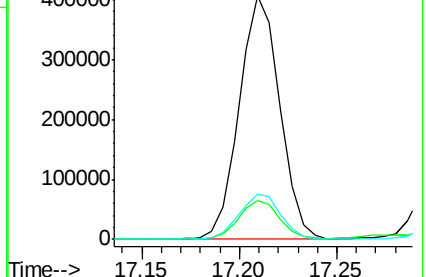
176 18.7 15.1 22.7



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



#71

Anthracene

Concen: 1.65 ng/ul

RT: 17.30 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

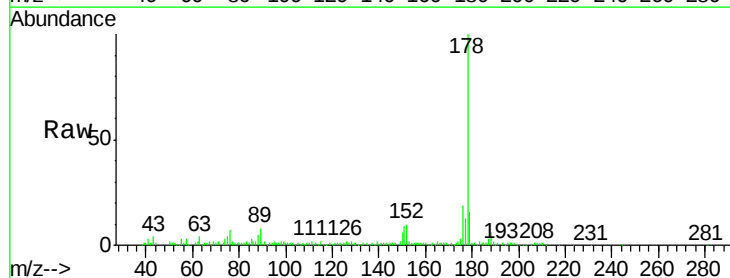
Tgt Ion:178 Resp: 146628

Ion Ratio Lower Upper

178 100

179 16.2 12.1 18.1

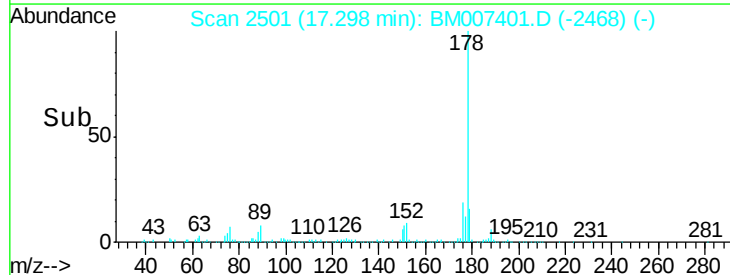
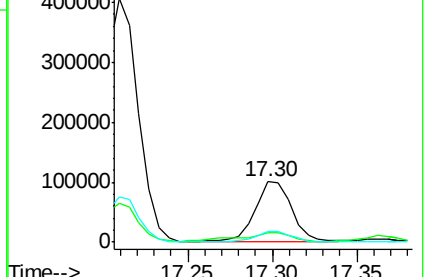
176 18.6 14.5 21.7

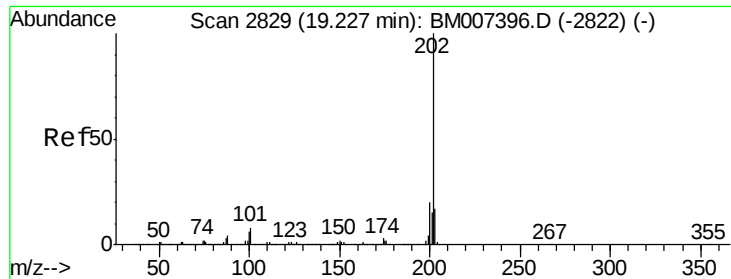


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 12.30 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

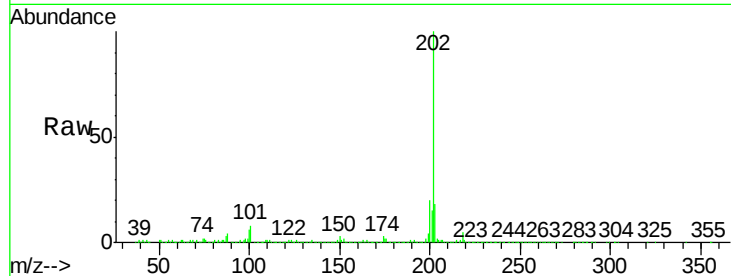
Tgt Ion:202 Resp: 1325891

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

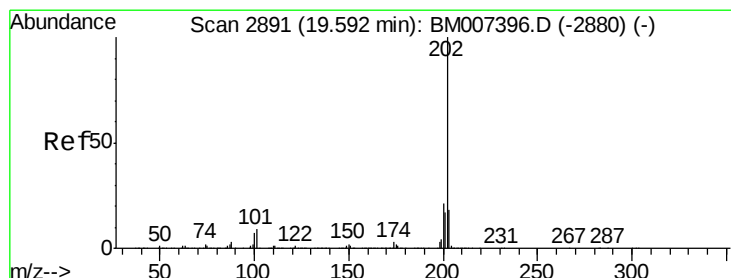
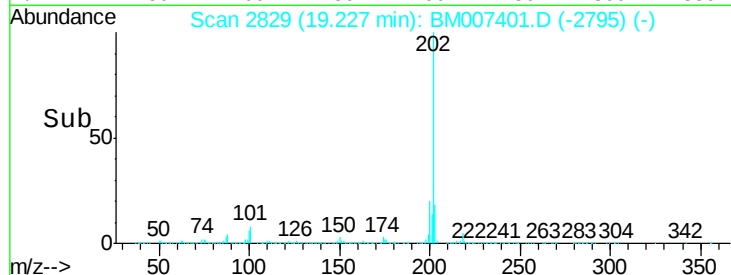
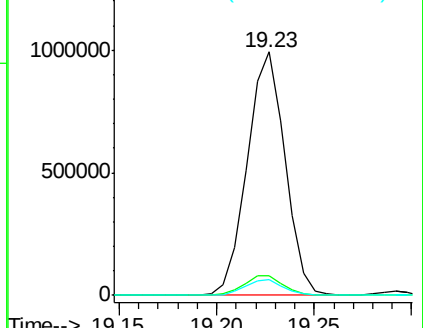
100 6.3 5.4 8.0



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: 9.20 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

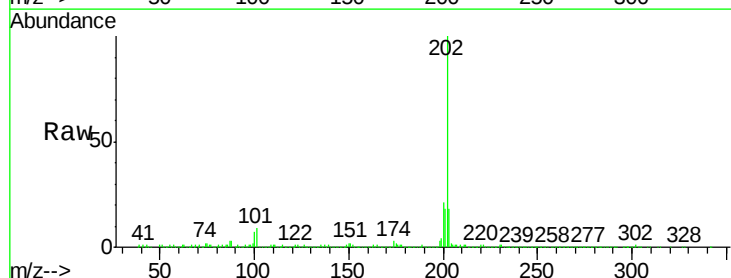
Tgt Ion:202 Resp: 1036133

Ion Ratio Lower Upper

202 100

101 9.0 8.4 12.6

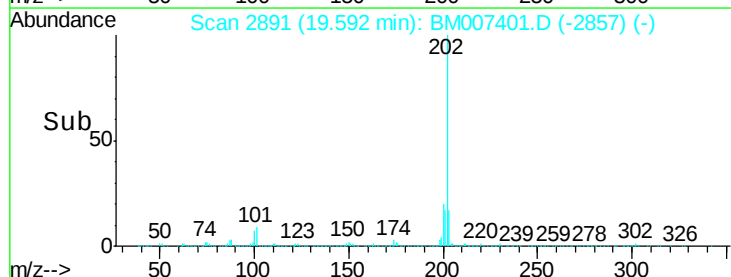
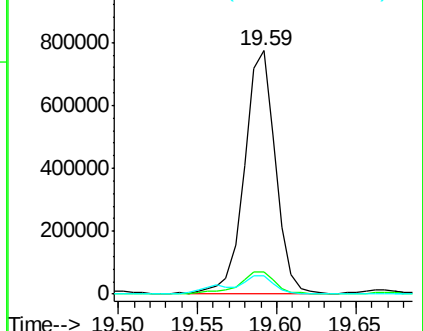
100 7.3 6.9 10.3

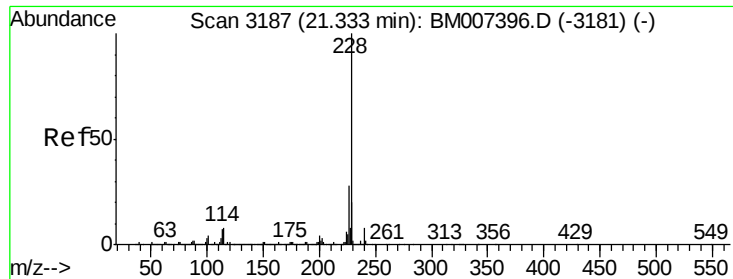


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.06 ng/ul

RT: 21.33 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

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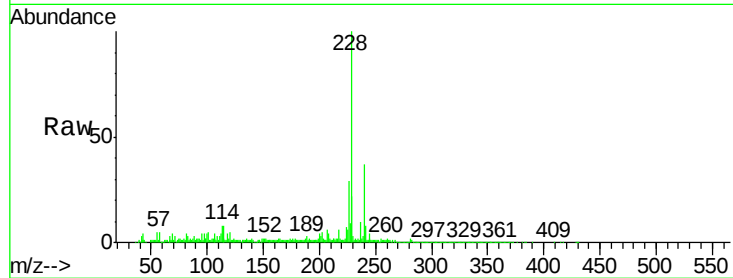
Tgt Ion:228 Resp: 625544

Ion Ratio Lower Upper

228 100

229 22.4 15.6 23.4

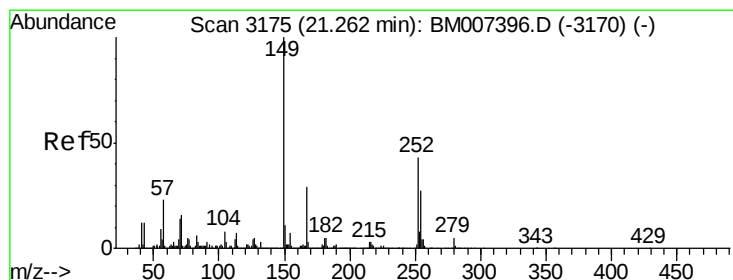
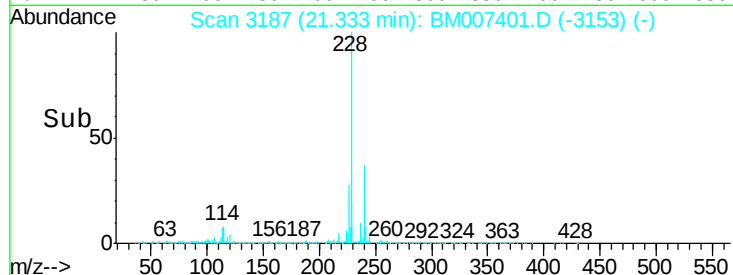
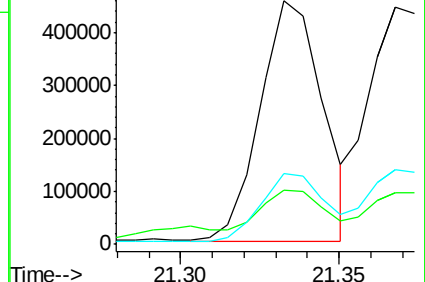
226 29.0 21.8 32.8



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.03 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

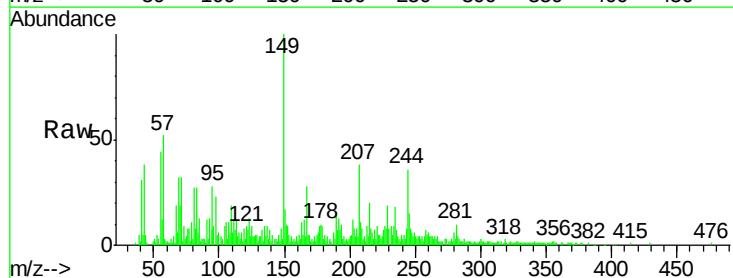
Tgt Ion:149 Resp: 70078

Ion Ratio Lower Upper

149 100

167 28.1 23.2 34.8

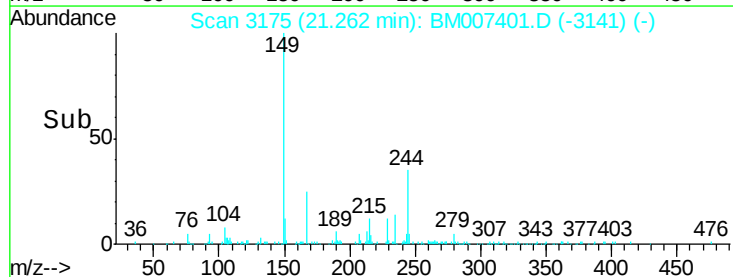
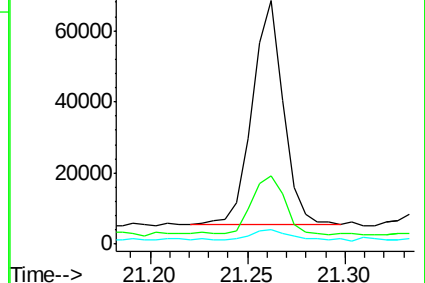
279 5.9 4.1 6.1

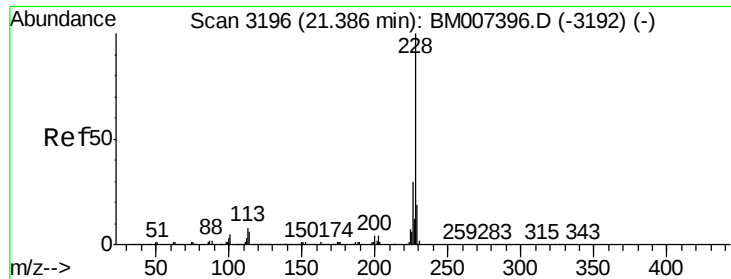


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 11.30 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

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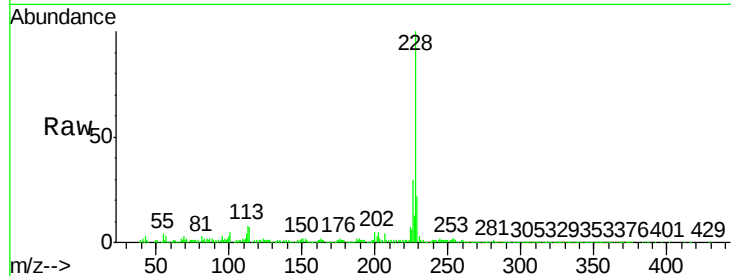
Tgt Ion:228 Resp: 1265859

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

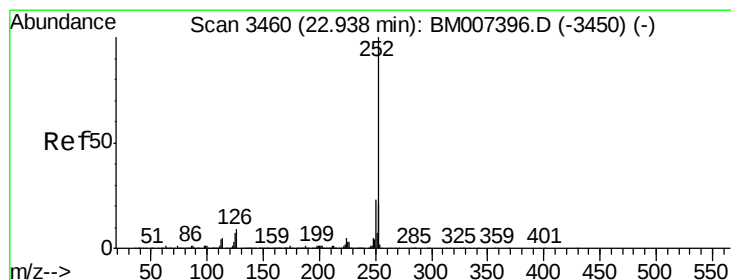
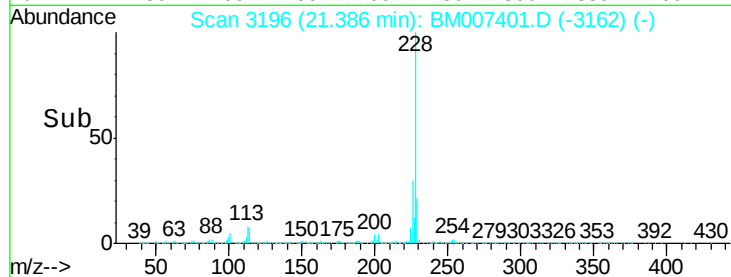
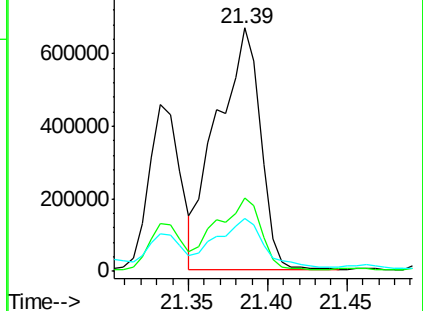
229 21.9 15.5 23.3



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: 14.87 ng/ul

RT: 22.94 min Scan# 3460

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

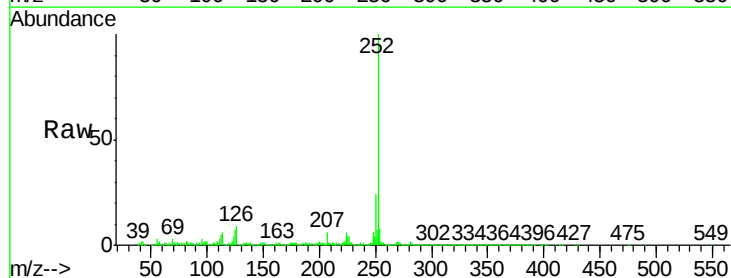
Tgt Ion:252 Resp: 1830350

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

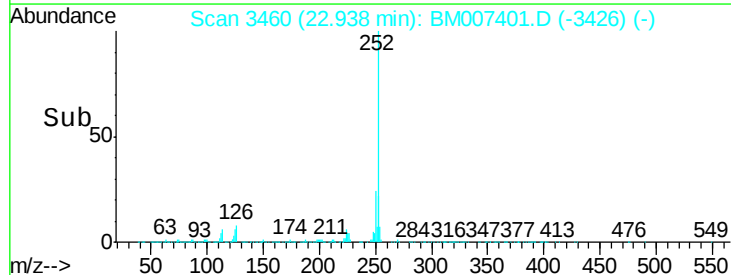
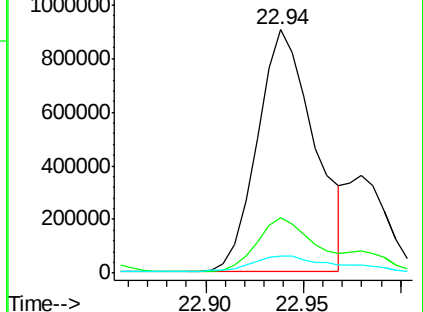
125 7.0 5.8 8.8

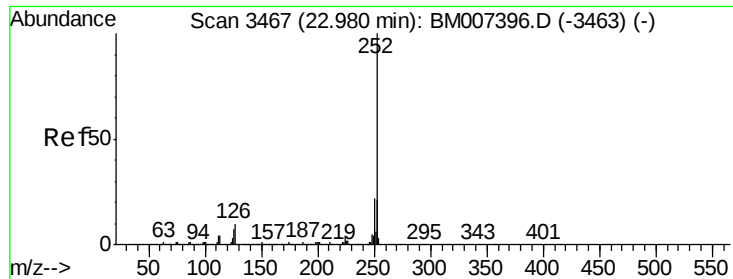


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

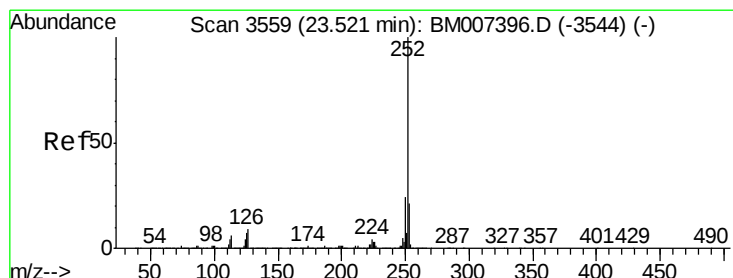
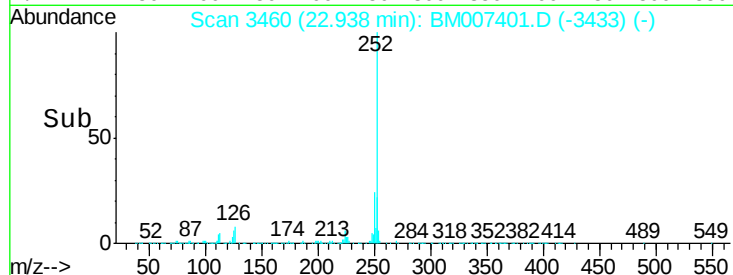
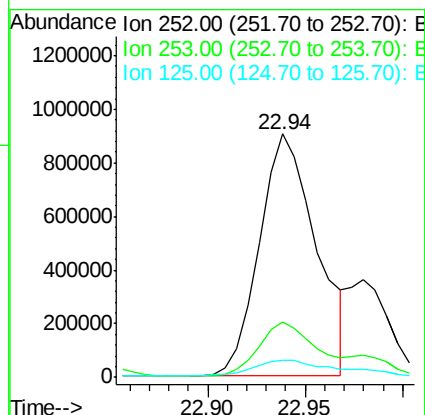
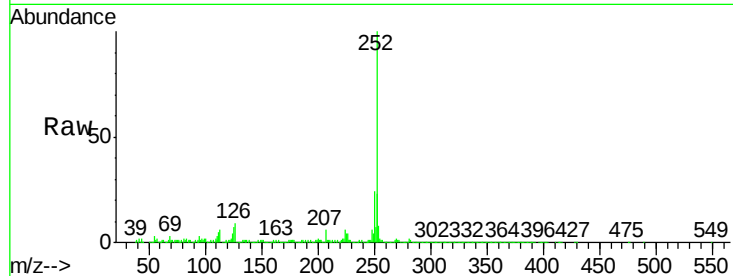




#86
Benzo(k)fluoranthene
Concen: 16.09 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.04 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

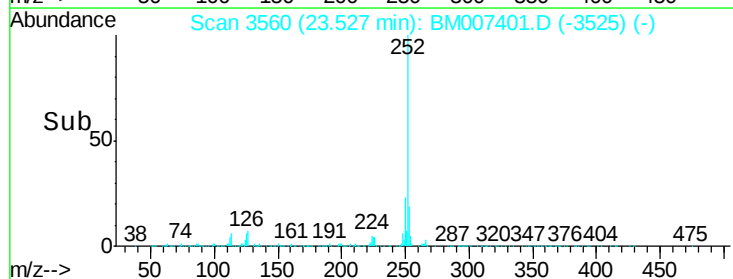
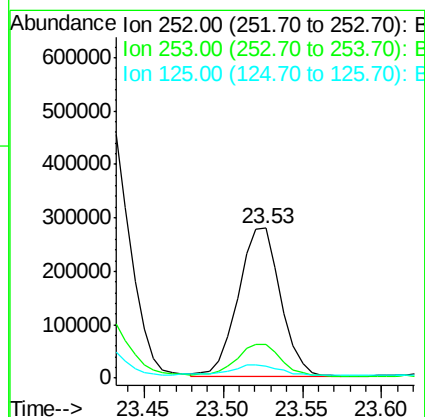
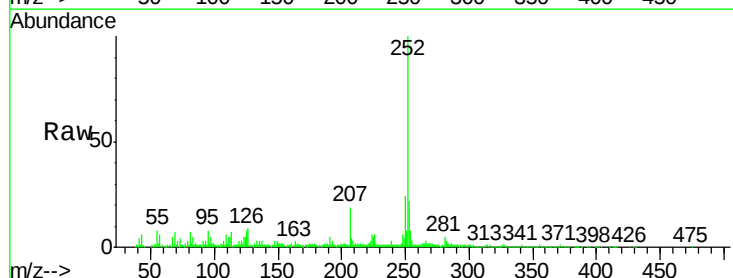
Instrument :
BNA_M
ClientSampleId :
BD391

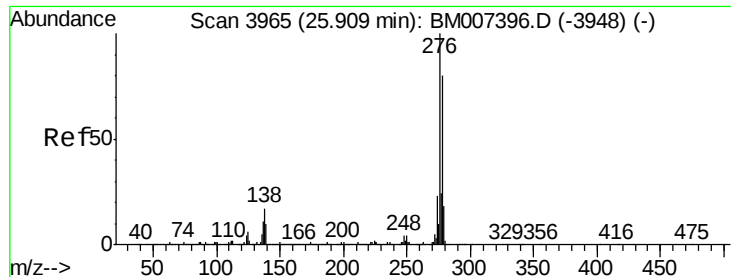
Tgt Ion:252 Resp: 1830350
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 7.0 5.7 8.5



#88
Benzo(a)pyrene
Concen: 4.35 ng/ul
RT: 23.53 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BM007401.D
Acq: 03 Sep 2016 11:22

Tgt Ion:252 Resp: 512372
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 8.4 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

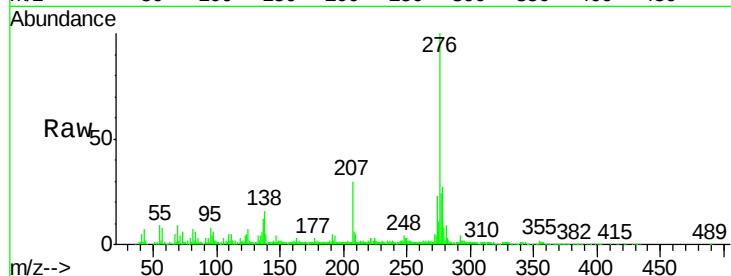
Tgt Ion:276 Resp: 484695

Ion Ratio Lower Upper

276 100

138 15.6 13.9 20.9

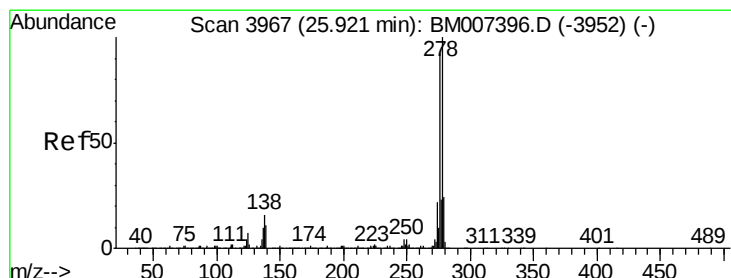
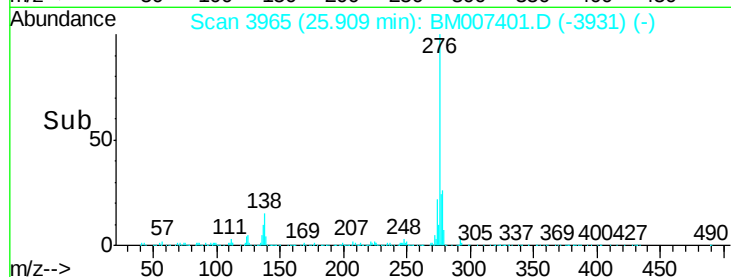
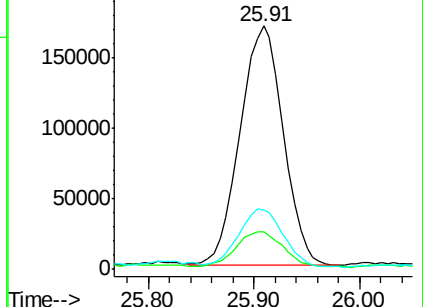
277 24.4 20.1 30.1



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



#90

Dibenzo(a,h)anthracene

Concen: 1.22 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. -0.01 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

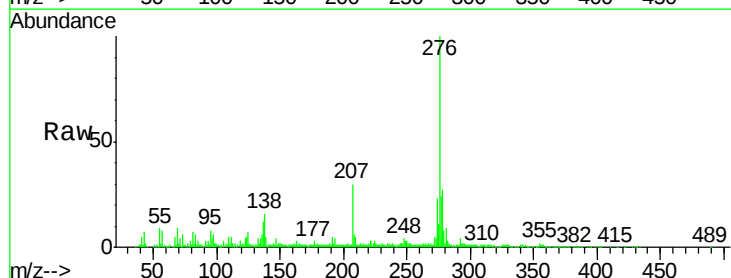
Tgt Ion:278 Resp: 146369

Ion Ratio Lower Upper

278 100

139 17.5 9.5 14.3#

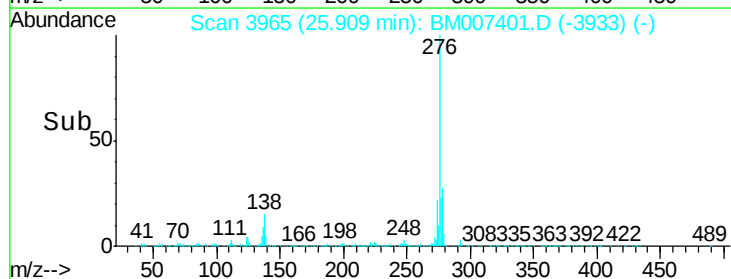
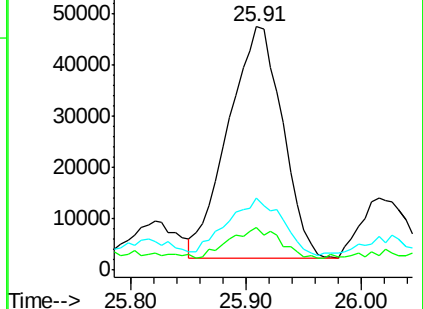
279 29.8 19.1 28.7#

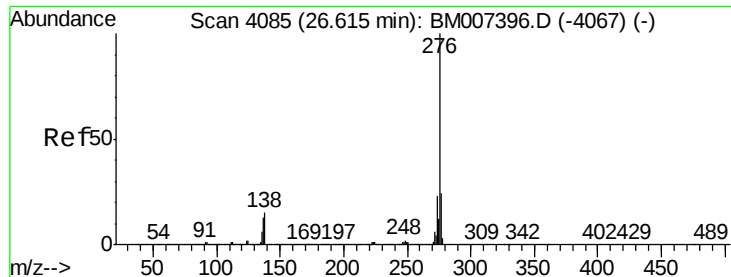


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.92 ng/ul

RT: 26.61 min Scan# 4085

Delta R.T. 0.00 min

Lab File: BM007401.D

Acq: 03 Sep 2016 11:22

Instrument :

BNA_M

ClientSampleId :

BD391

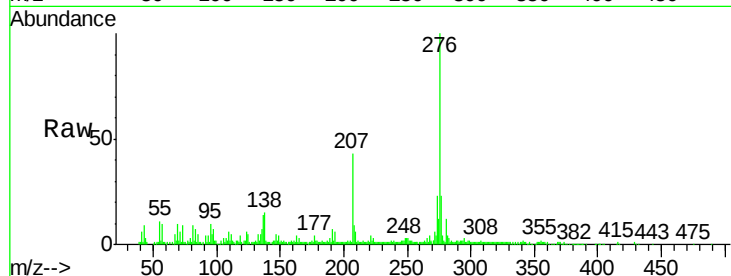
Tgt Ion: 276 Resp: 358325

Ion Ratio Lower Upper

276 100

138 14.9 13.5 20.3

277 22.9 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

