

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007403.D
 Acq On : 03 Sep 2016 12:34
 Operator : UM/SJ
 Sample : H4639-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD385

Quant Time: Sep 05 01:46:08 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	219494	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	1037608	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	700598	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1810063	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	2389091	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	2325336	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	10788	2.51	ng/uL	0.00
5) Phenol-d5	6.96	99	275734	13.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	153094	14.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	216547	14.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	222845	12.32	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	115258	15.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	134307	15.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	255055	14.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	130302	5.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	915648	15.15	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	1096576	15.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	138758	12.16	ng/ul	0.00
57) Fluorene-d10	15.42	176	835462	15.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	145976	12.83	ng/ul	0.00
70) Anthracene-d10	17.27	188	1355666	16.03	ng/ul	0.00
76) Pyrene-d10	19.56	212	1853952	18.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	1849770	17.27	ng/ul	0.00

Target Compounds

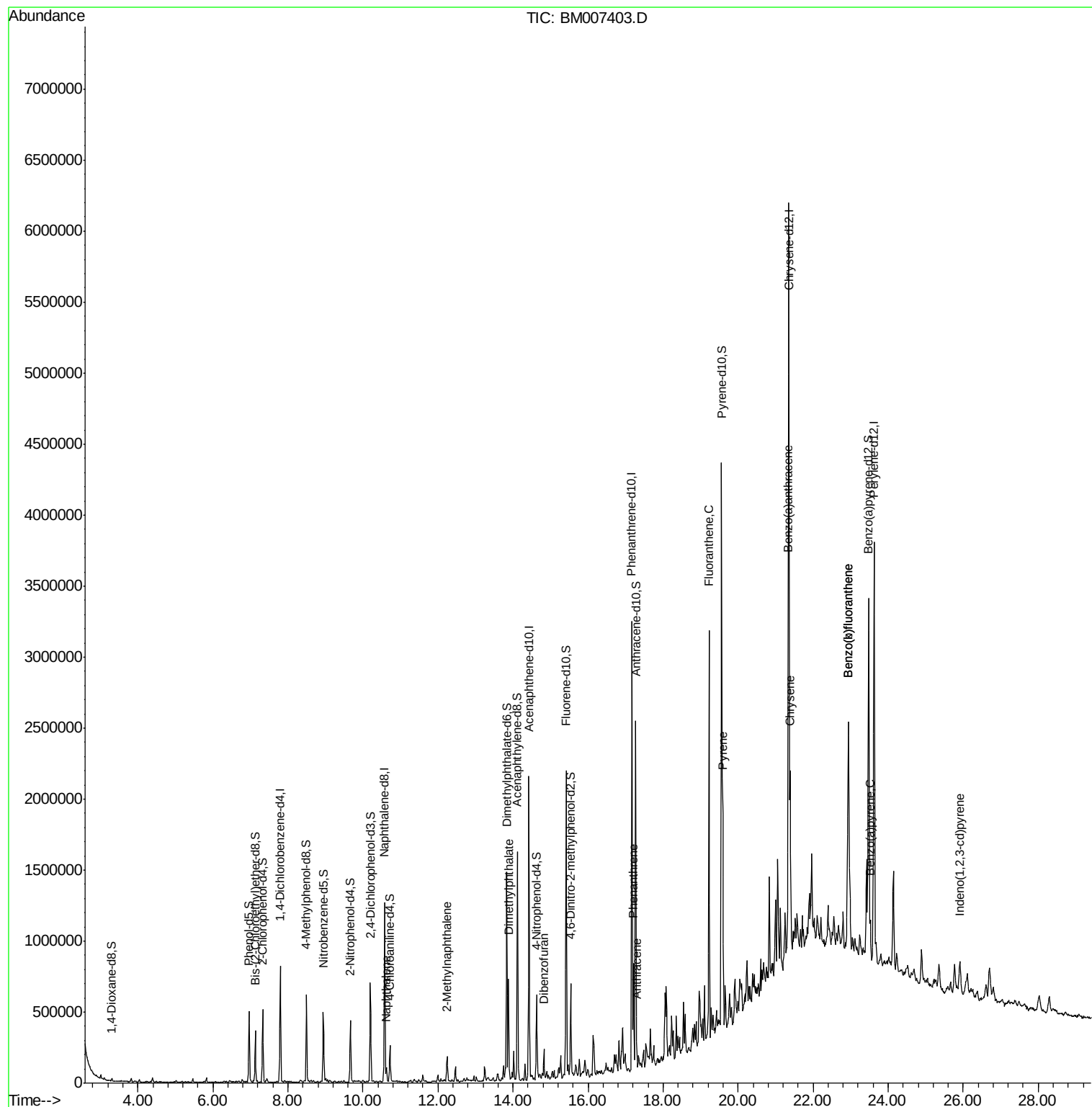
						Qvalue
28) Naphthalene	10.63	128	75091	1.46	ng/ul	98
34) 2-Methylnaphthalene	12.24	142	63874	1.51	ng/ul	95
44) Dimethylphthalate	13.88	163	419723	6.97	ng/ul	99
53) Dibenzofuran	14.82	168	89950	1.28	ng/ul	99
69) Phenanthrene	17.21	178	435397	4.48	ng/ul	98
71) Anthracene	17.30	178	103900	1.04	ng/ul	98
74) Fluoranthene	19.23	202	1657318	13.59	ng/ul	99
77) Pyrene	19.59	202	887750	6.93	ng/ul	97
80) Benzo(a)anthracene	21.33	228	479787	3.41	ng/ul	95
82) Chrysene	21.39	228	613022	4.81	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	1274503	9.27	ng/ul	98
86) Benzo(k)fluoranthene	22.94	252	1274503	10.03	ng/ul	99
88) Benzo(a)pyrene	23.52	252	185680	1.41	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.91	276	190963	1.18	ng/ul	98

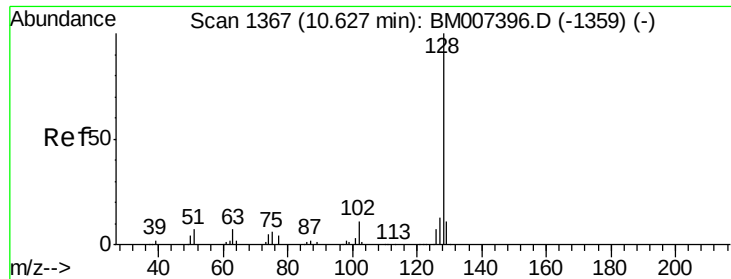
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.46 ng/ul

RT: 10.63 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

Instrument :

BNA_M

ClientSampleId :

BD385

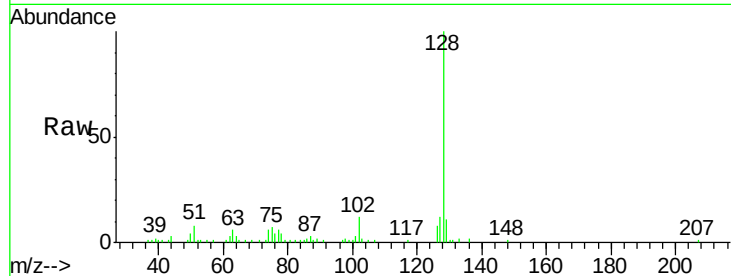
Tgt Ion:128 Resp: 75091

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

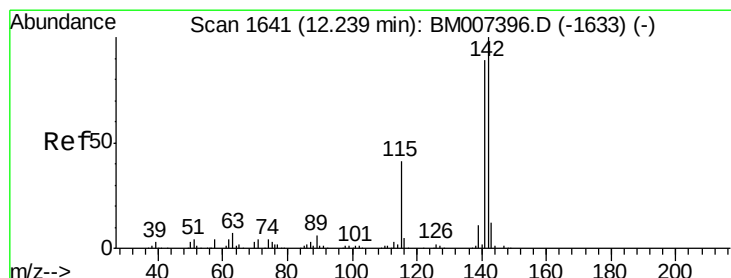
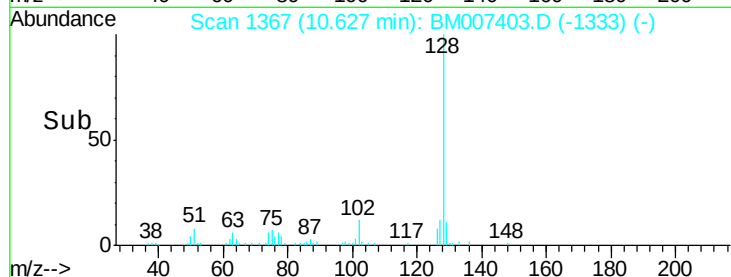
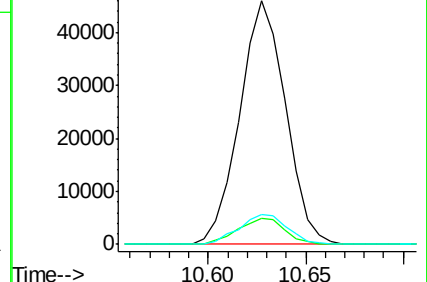
127 12.1 10.6 15.8



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: 1.51 ng/ul

RT: 12.24 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BM007403.D

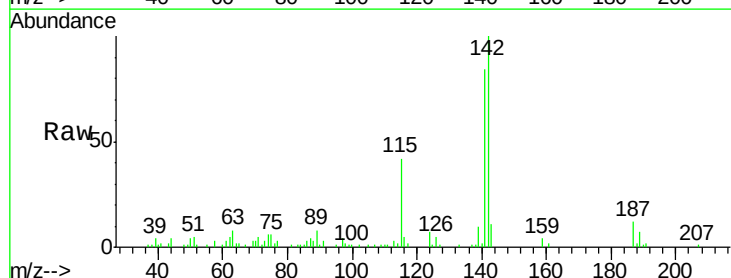
Acq: 03 Sep 2016 12:34

Tgt Ion:142 Resp: 63874

Ion Ratio Lower Upper

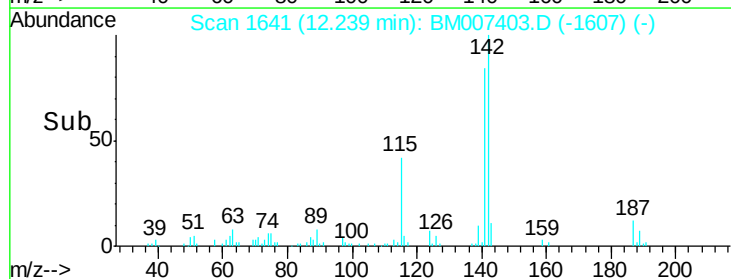
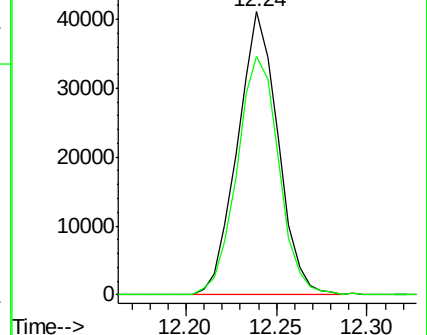
142 100

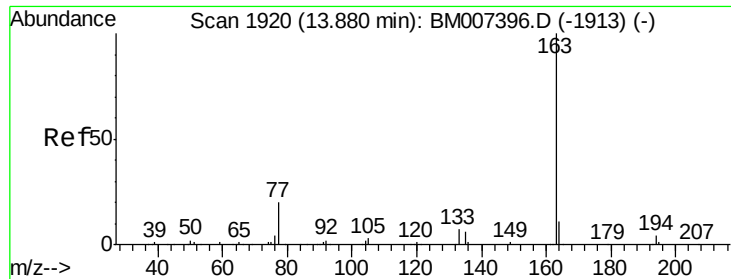
141 84.5 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

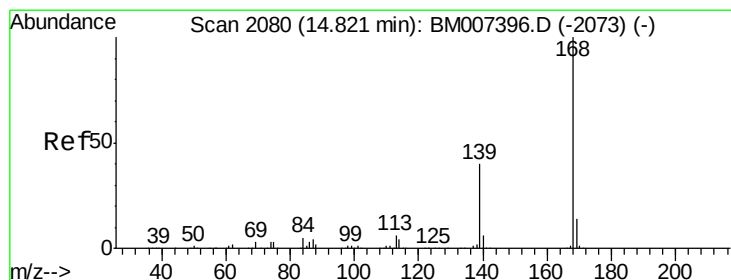
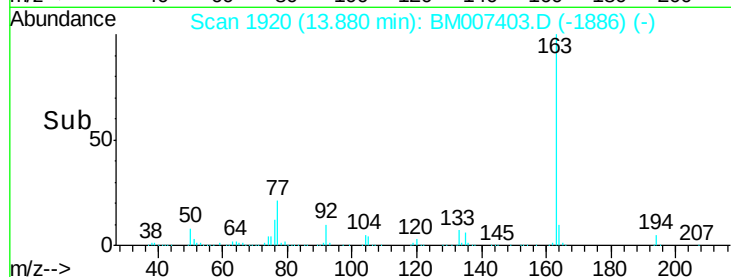
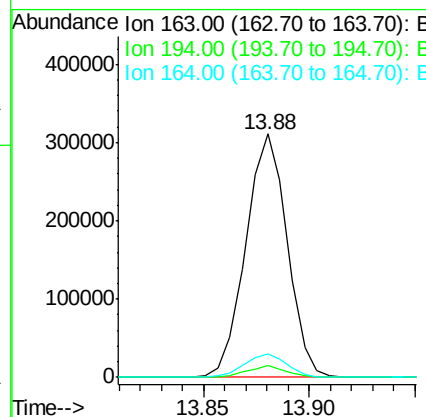
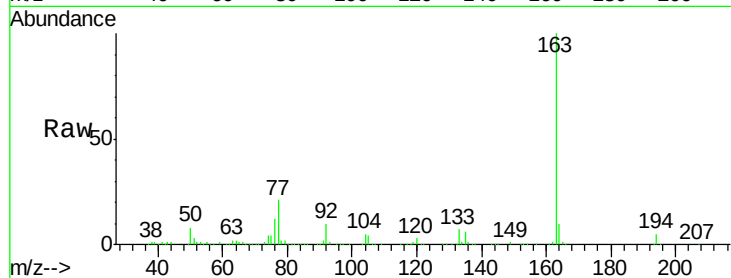




#44
Dimethylphthalate
Concen: 6.97 ng/ul
RT: 13.88 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM007403.D
Acq: 03 Sep 2016 12:34

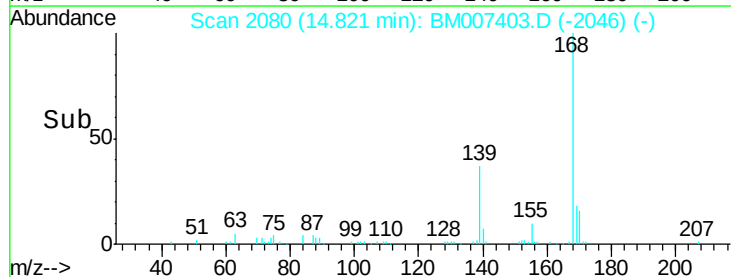
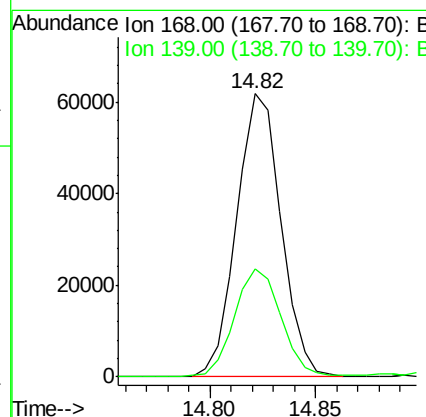
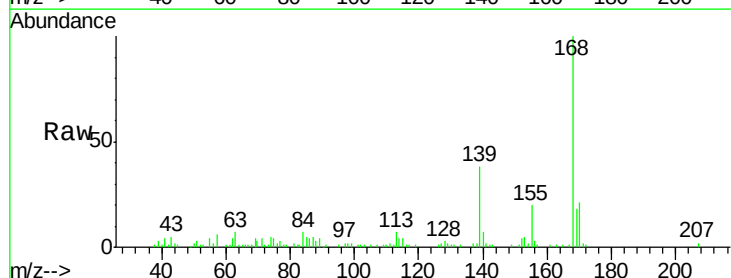
Instrument :
BNA_M
ClientSampleId :
BD385

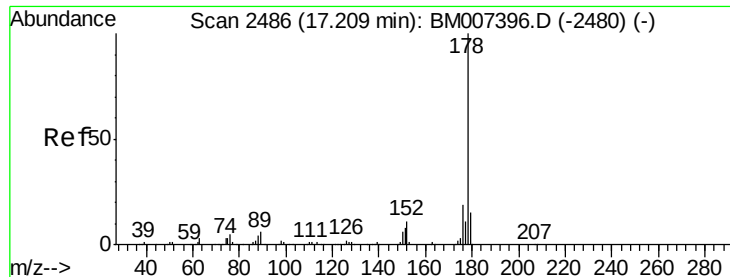
Tgt Ion:163 Resp: 419723
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 9.5 7.8 11.8



#53
Dibenzofuran
Concen: 1.28 ng/ul
RT: 14.82 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BM007403.D
Acq: 03 Sep 2016 12:34

Tgt Ion:168 Resp: 89950
Ion Ratio Lower Upper
168 100
139 38.4 30.1 45.1





#69

Phenanthrene

Concen: 4.48 ng/ul

RT: 17.21 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

Instrument :

BNA_M

ClientSampleId :

BD385

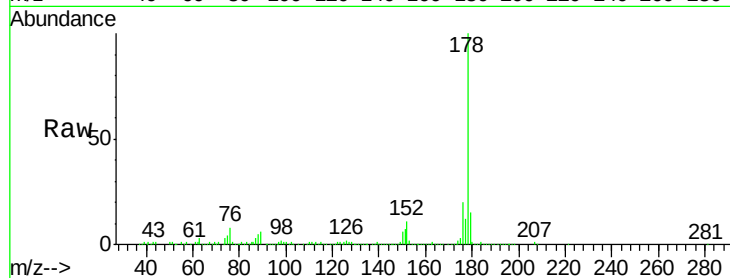
Tgt Ion:178 Resp: 435397

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.2

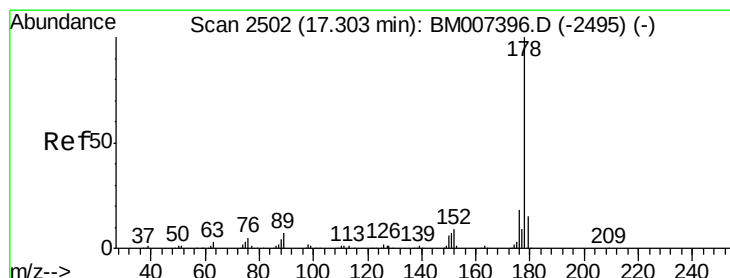
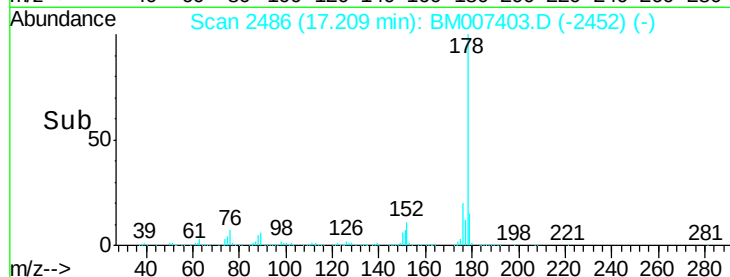
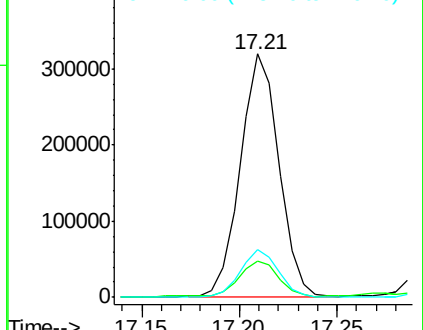
176 19.8 15.1 22.7



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: 1.04 ng/ul

RT: 17.30 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

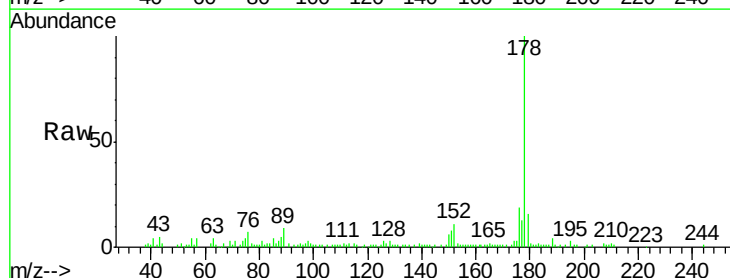
Tgt Ion:178 Resp: 103900

Ion Ratio Lower Upper

178 100

179 16.2 12.1 18.1

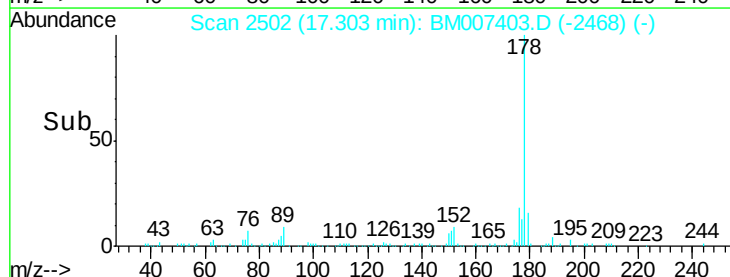
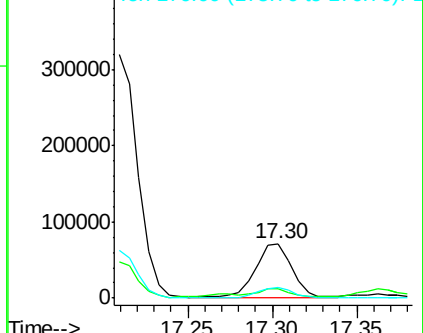
176 18.6 14.5 21.7

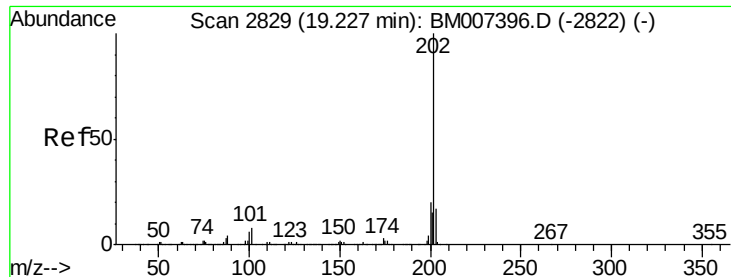


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 13.59 ng/ul

RT: 19.23 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

Instrument :

BNA_M

ClientSampleId :

BD385

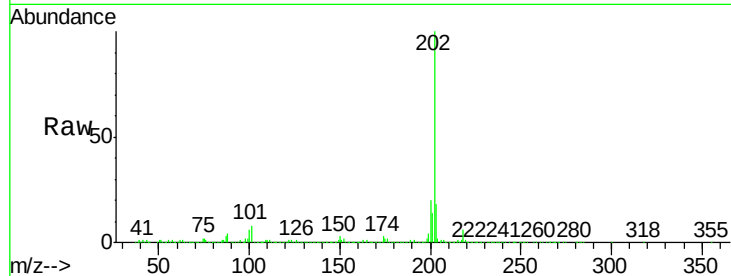
Tgt Ion:202 Resp: 1657318

Ion Ratio Lower Upper

202 100

101 8.1 6.9 10.3

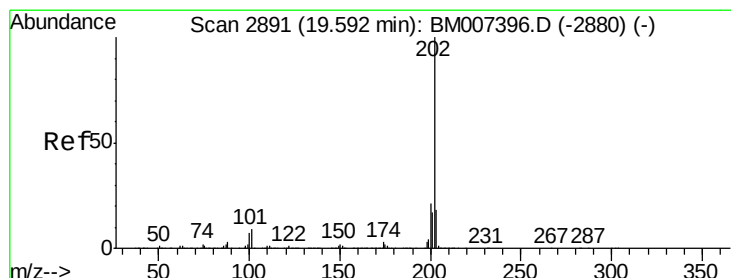
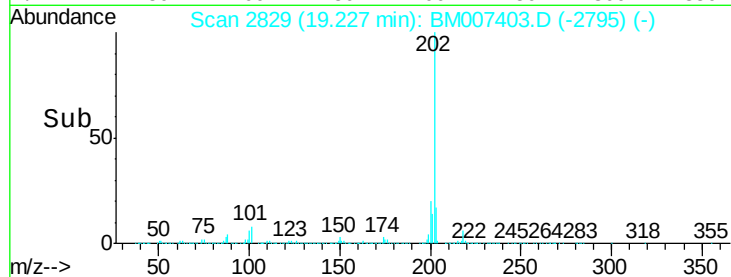
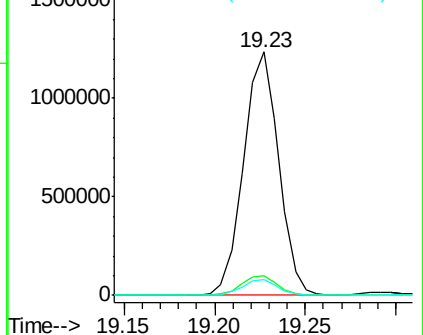
100 6.2 5.4 8.0



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: 6.93 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

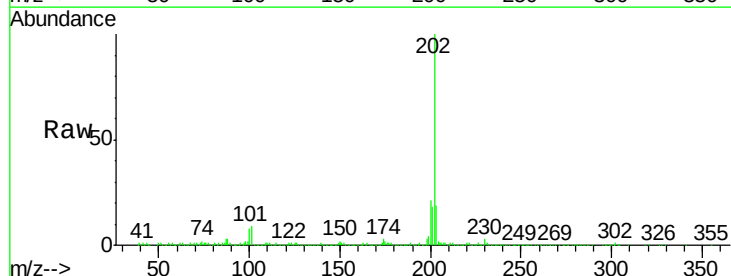
Tgt Ion:202 Resp: 887750

Ion Ratio Lower Upper

202 100

101 9.1 8.4 12.6

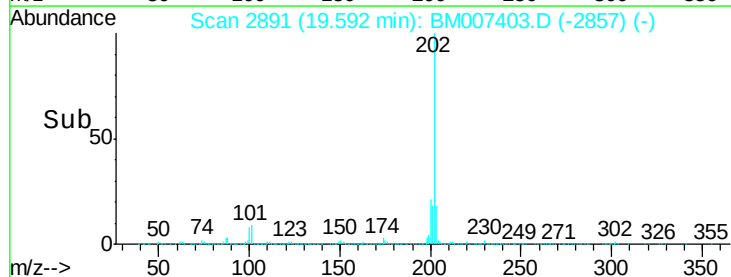
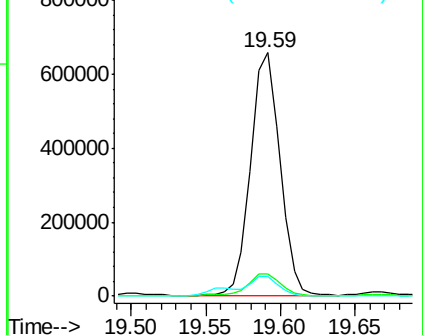
100 7.8 6.9 10.3

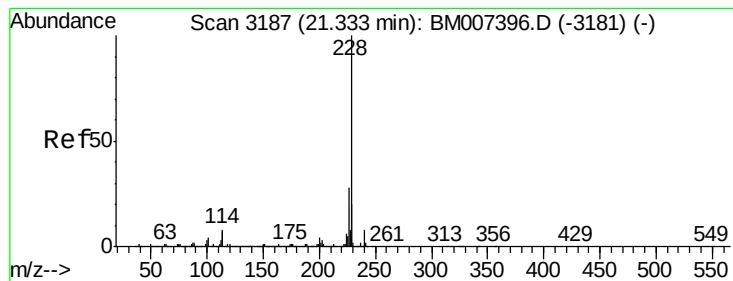


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.41 ng/ul

RT: 21.33 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

Instrument :

BNA_M

ClientSampleId :

BD385

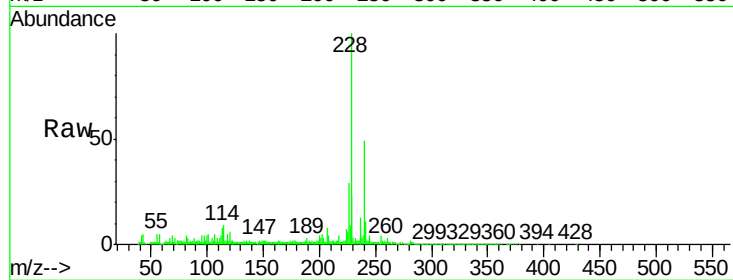
Tgt Ion:228 Resp: 479787

Ion Ratio Lower Upper

228 100

229 23.3 15.6 23.4

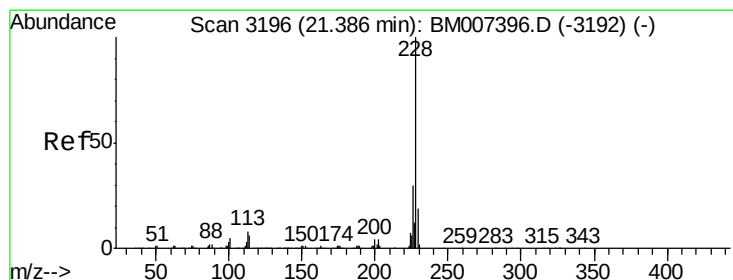
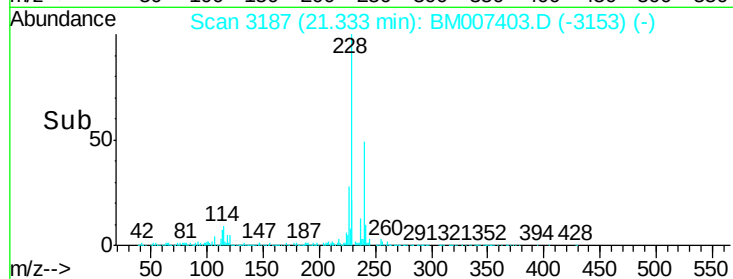
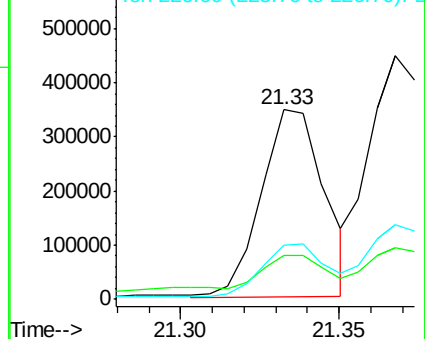
226 28.6 21.8 32.8



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: 4.81 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

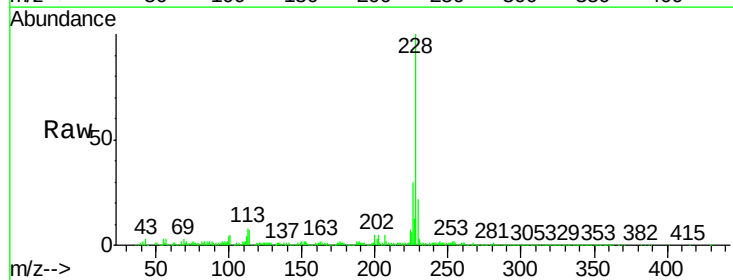
Tgt Ion:228 Resp: 613022

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

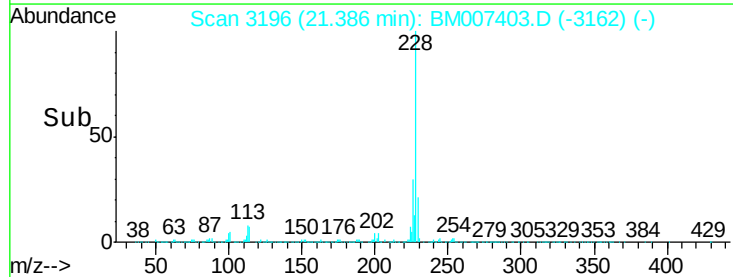
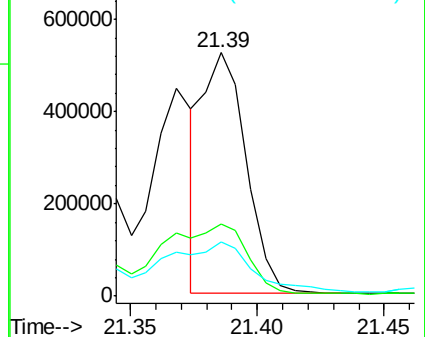
229 22.1 15.5 23.3

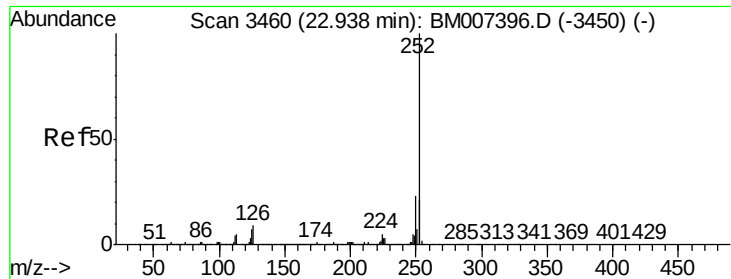


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

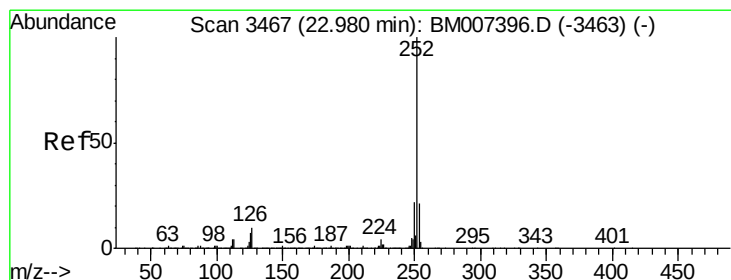
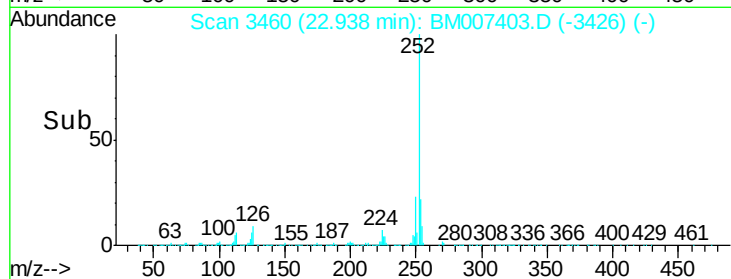
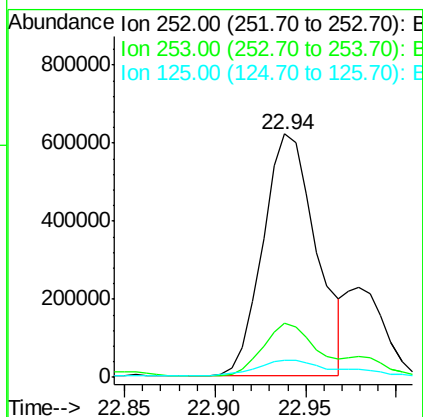
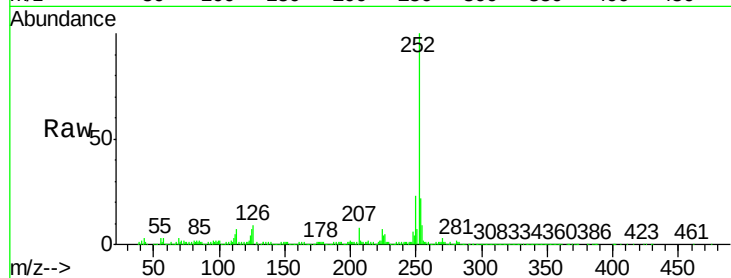




#85
Benzo(b)fluoranthene
Concen: 9.27 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.00 min
Lab File: BM007403.D
Acq: 03 Sep 2016 12:34

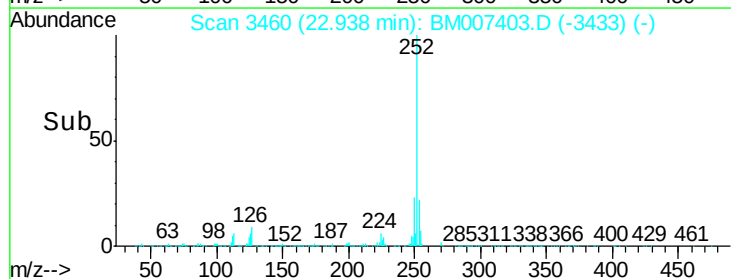
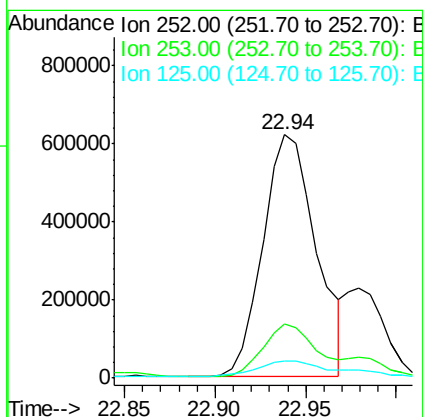
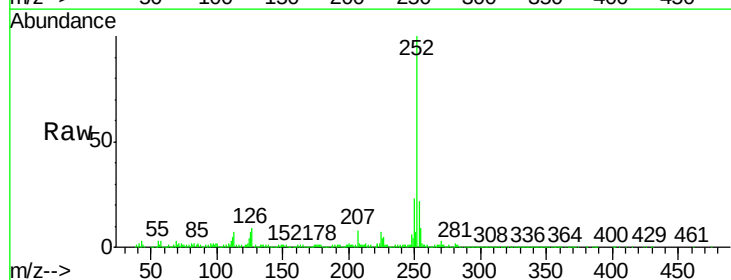
Instrument :
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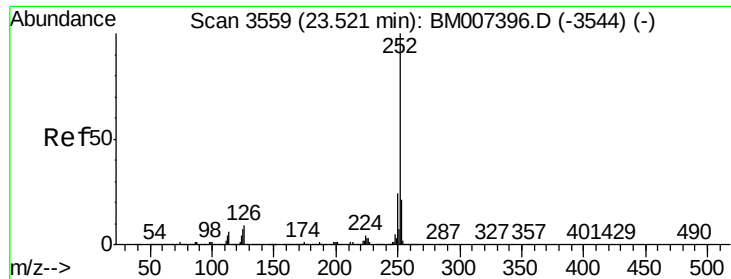
Tgt Ion:252 Resp: 1274503
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 7.2 5.8 8.8



#86
Benzo(k)fluoranthene
Concen: 10.03 ng/ul
RT: 22.94 min Scan# 3460
Delta R.T. -0.04 min
Lab File: BM007403.D
Acq: 03 Sep 2016 12:34

Tgt Ion:252 Resp: 1274503
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 7.2 5.7 8.5





#88

Benzo(a)pyrene

Concen: 1.41 ng/ul

RT: 23.52 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

Instrument :

BNA_M

ClientSampleId :

BD385

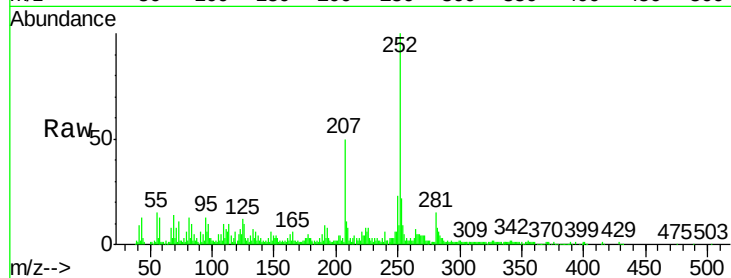
Tgt Ion:252 Resp: 185680

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

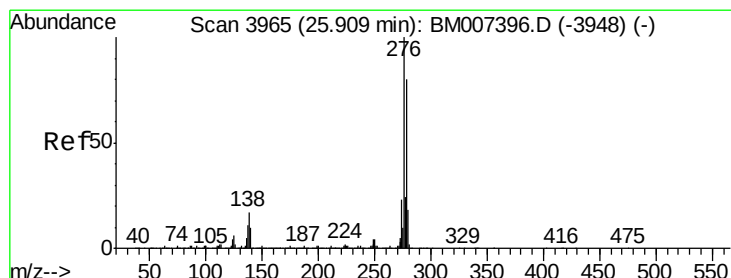
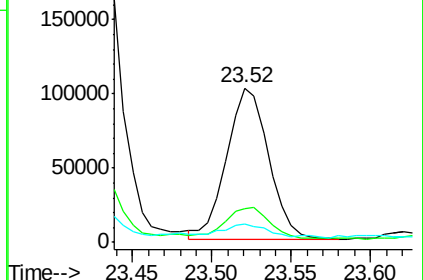
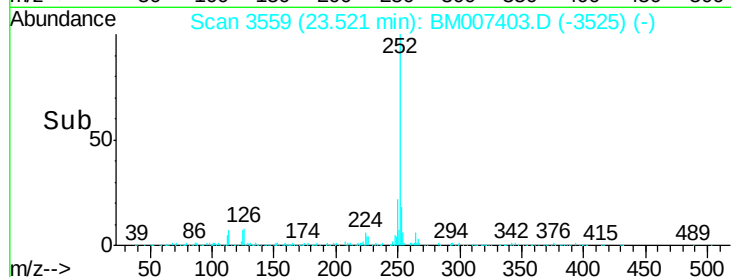
125 11.5 6.6 9.8#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.18 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. -0.00 min

Lab File: BM007403.D

Acq: 03 Sep 2016 12:34

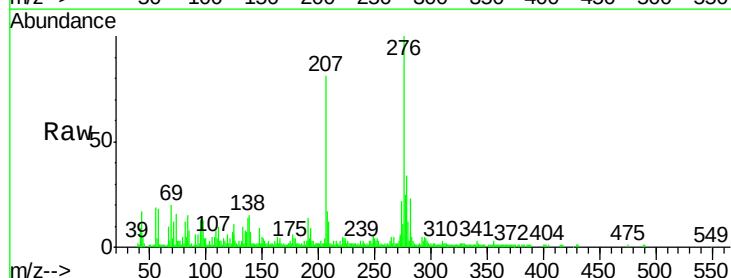
Tgt Ion:276 Resp: 190963

Ion Ratio Lower Upper

276 100

138 15.4 13.9 20.9

277 25.3 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

