

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
 Data File : BM007046.D
 Acq On : 12 Aug 2016 16:38
 Operator : UM/SJ
 Sample : H4387-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS002-0206-01

Quant Time: Aug 12 23:03:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 23:03:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	362179	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1449874	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	745596	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1506080	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1572612	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1715661	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	15086	1.82	ng/uL	0.00
5) Phenol-d5	6.97	99	412718	14.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	258399	15.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	342807	14.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	324820	13.45	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	168224	15.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	187385	16.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	347961	14.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	284661	10.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1044426	16.95	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1200828	16.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	143964	13.04	ng/ul	0.00
57) Fluorene-d10	15.44	176	881887	16.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	102363	12.30	ng/ul	0.01
70) Anthracene-d10	17.29	188	1395964	20.01	ng/ul	0.00
76) Pyrene-d10	19.58	212	1577408	23.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	1742820	22.21	ng/ul	0.01

Target Compounds

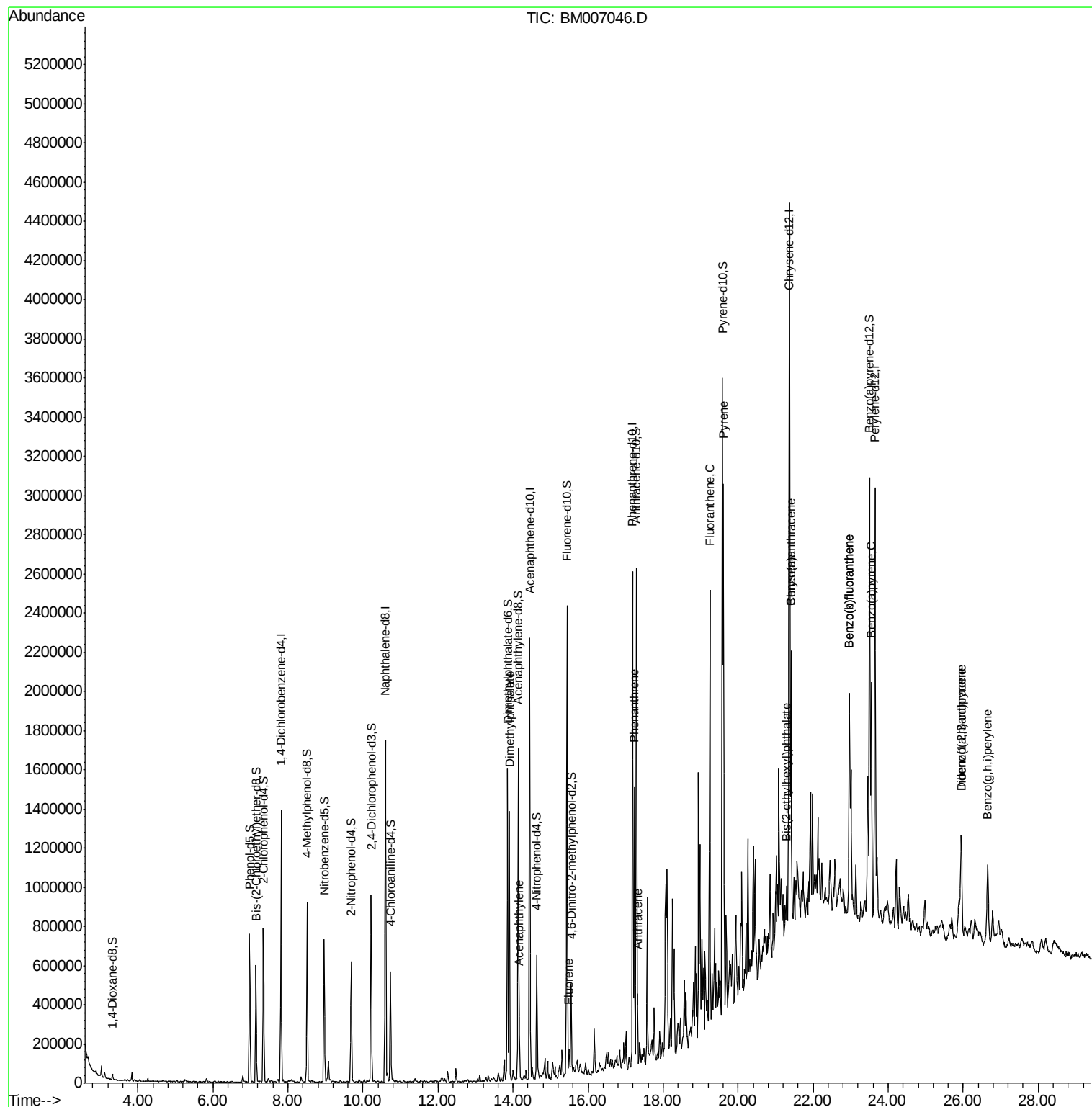
						Qvalue
44) Dimethylphthalate	13.90	163	825801	13.41	ng/ul	98
47) Acenaphthylene	14.17	152	210518	2.76	ng/ul	98
58) Fluorene	15.49	166	64795	1.09	ng/ul#	97
69) Phenanthrene	17.23	178	883939	10.91	ng/ul	100
71) Anthracene	17.32	178	224691	2.70	ng/ul	98
74) Fluoranthene	19.24	202	1205517	12.27	ng/ul	99
77) Pyrene	19.61	202	1661752	19.11	ng/ul	99
80) Benzo(a)anthracene	21.41	228	853829	9.19	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.29	149	70207	1.40	ng/ul	100
82) Chrysene	21.41	228	853829	10.06	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	922658	8.93	ng/ul	96
86) Benzo(k)fluoranthene	22.97	252	922658	9.51	ng/ul#	97
88) Benzo(a)pyrene	23.55	252	792660	8.09	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.95	276	527521	4.39	ng/ul	97
90) Dibenzo(a,h)anthracene	25.95	278	142716	1.42	ng/ul#	85
91) Benzo(g,h,i)perylene	26.66	276	539531	5.32	ng/ul	97

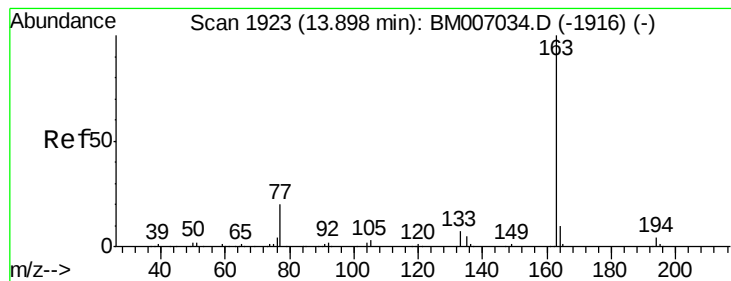
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 13.41 ng/ul

RT: 13.90 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

Instrument :

BNA_M

ClientSampleId :

P003-SS002-0206-01

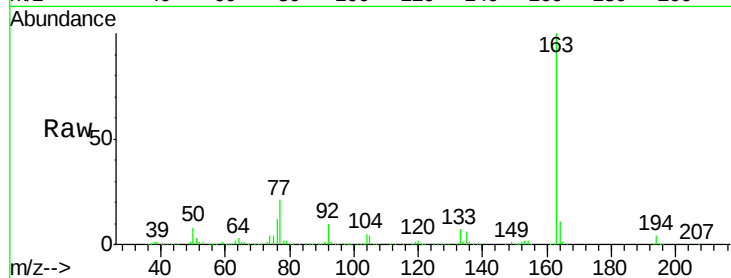
Tgt Ion:163 Resp: 825801

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

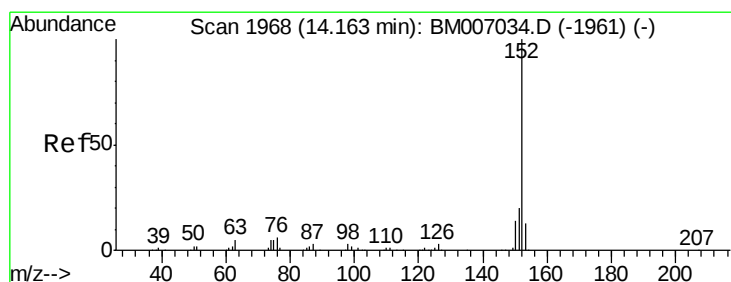
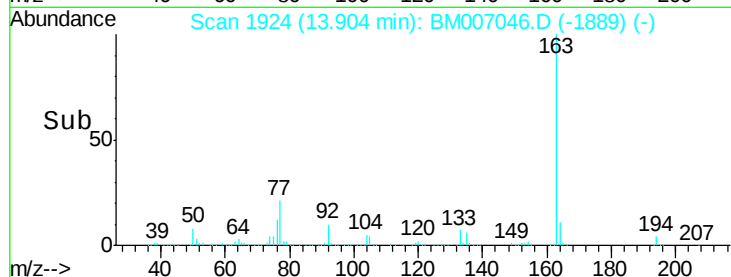
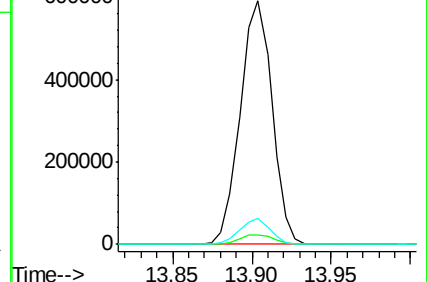
164 10.6 7.8 11.8



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



#47

Acenaphthylene

Concen: 2.76 ng/ul

RT: 14.17 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

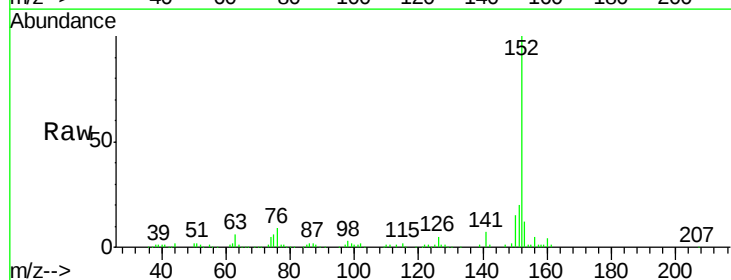
Tgt Ion:152 Resp: 210518

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

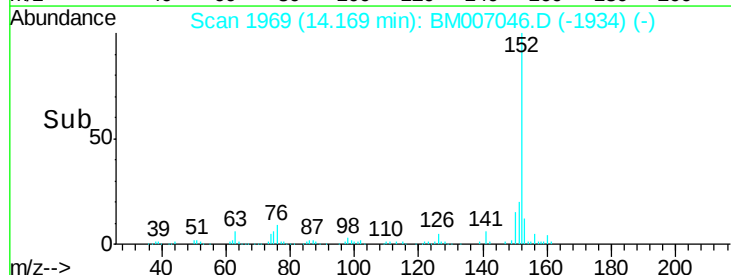
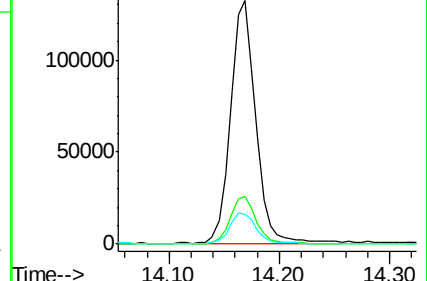
153 12.4 11.0 16.6

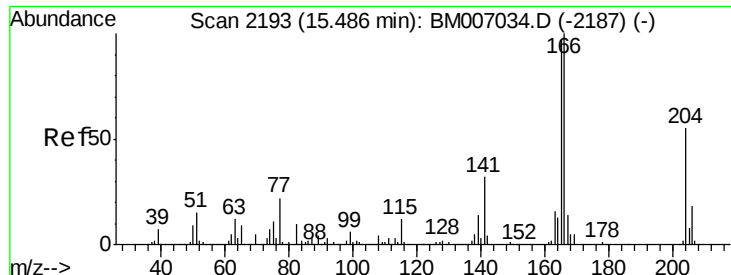


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#58

Fluorene

Concen: 1.09 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

Instrument :

BNA_M

ClientSampleId :

P003-SS002-0206-01

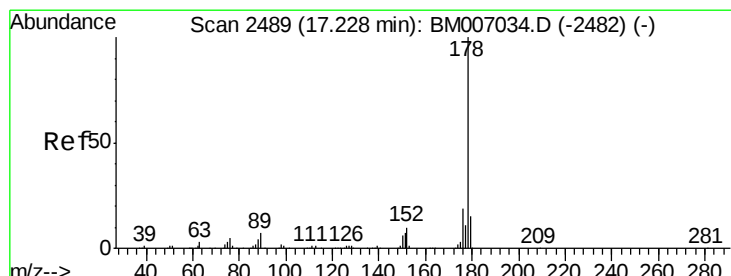
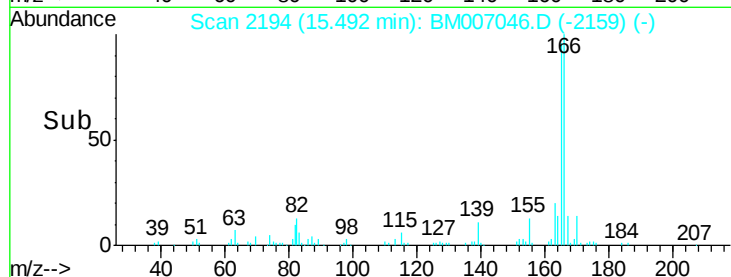
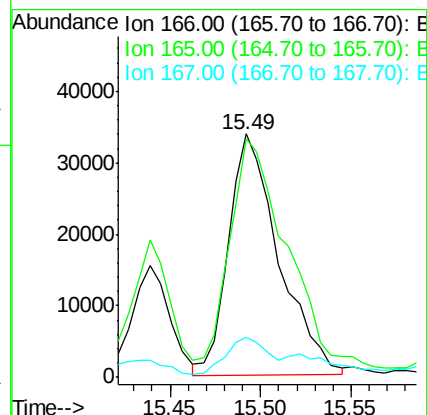
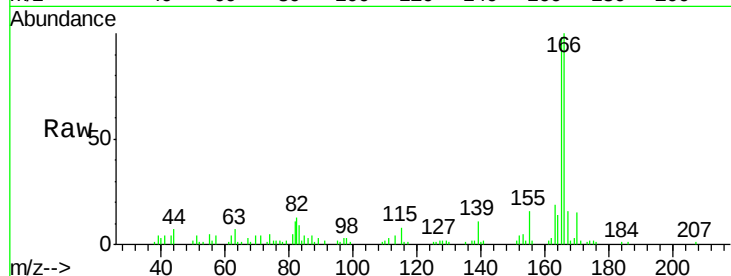
Tgt Ion:166 Resp: 64795

Ion Ratio Lower Upper

166 100

165 98.1 79.9 119.9

167 16.4 10.5 15.7#



#69

Phenanthrene

Concen: 10.91 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

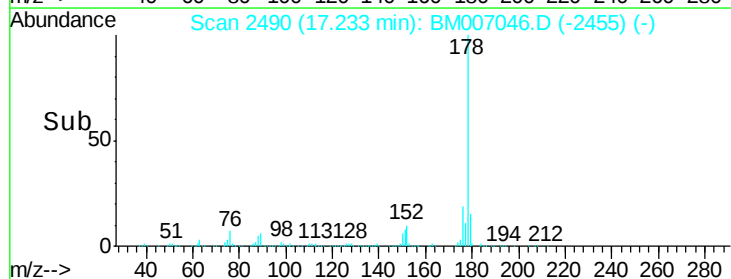
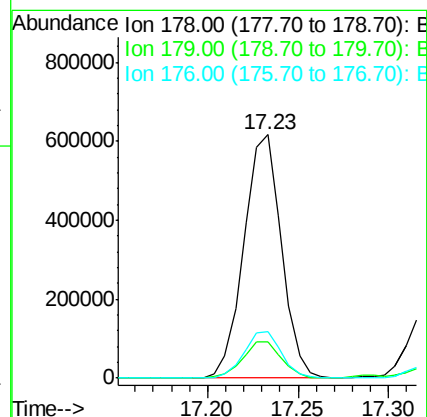
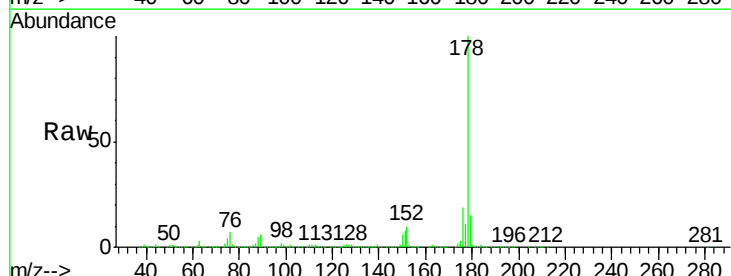
Tgt Ion:178 Resp: 883939

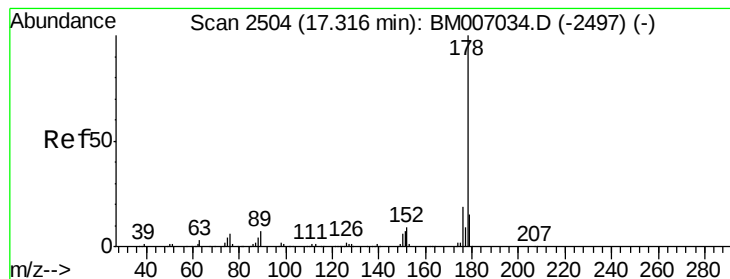
Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.2

176 19.1 15.1 22.7





#71

Anthracene

Concen: 2.70 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

Instrument :

BNA_M

ClientSampleId :

P003-SS002-0206-01

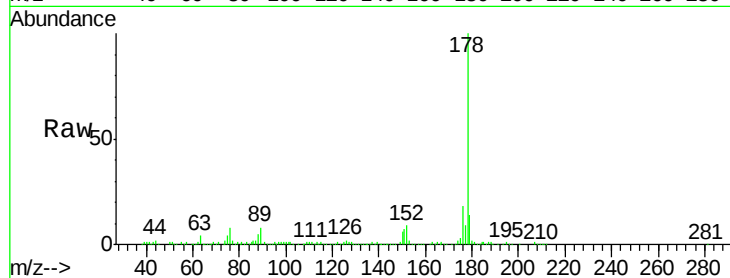
Tgt Ion:178 Resp: 224691

Ion Ratio Lower Upper

178 100

179 13.7 12.1 18.1

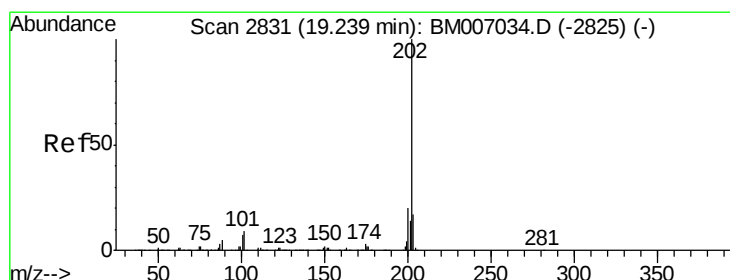
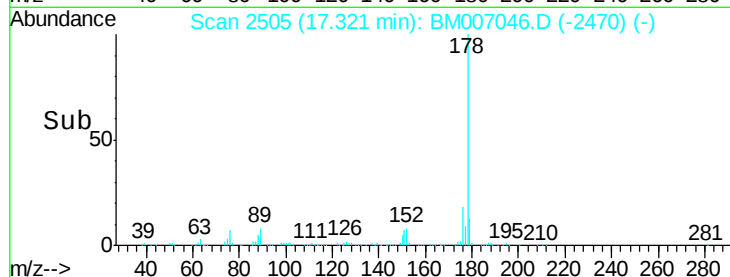
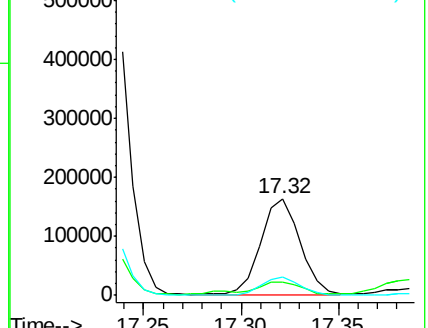
176 18.3 14.5 21.7



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: 12.27 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

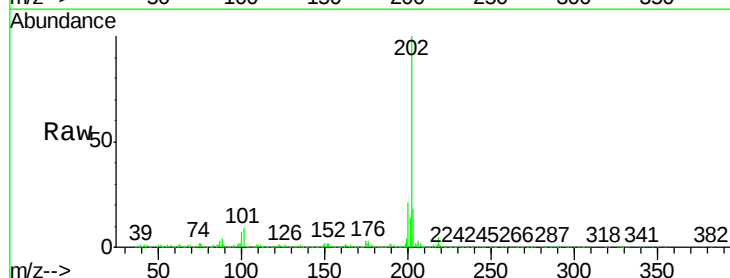
Tgt Ion:202 Resp: 1205517

Ion Ratio Lower Upper

202 100

101 9.3 6.9 10.3

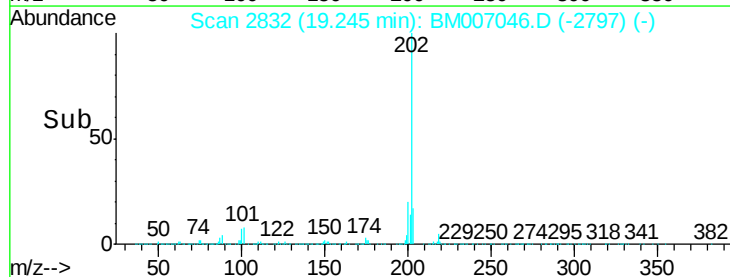
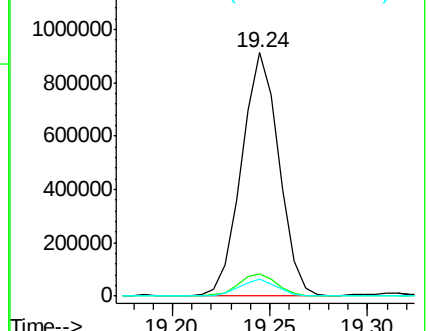
100 6.8 5.4 8.0

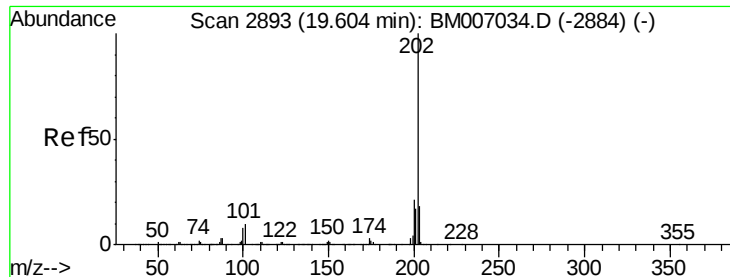


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 19.11 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. 0.01 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

Instrument :

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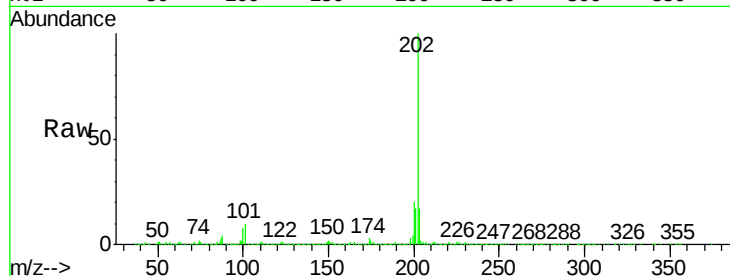
Tgt Ion:202 Resp: 1661752

Ion Ratio Lower Upper

202 100

101 10.1 8.4 12.6

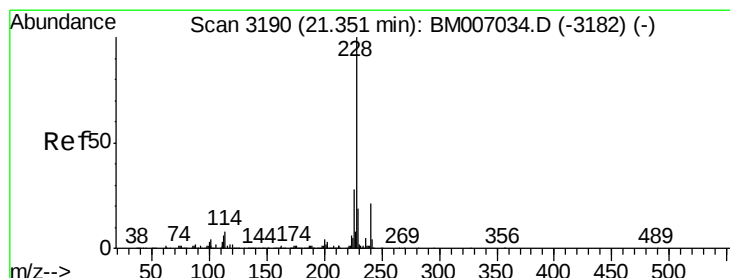
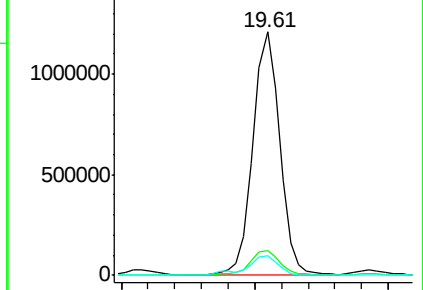
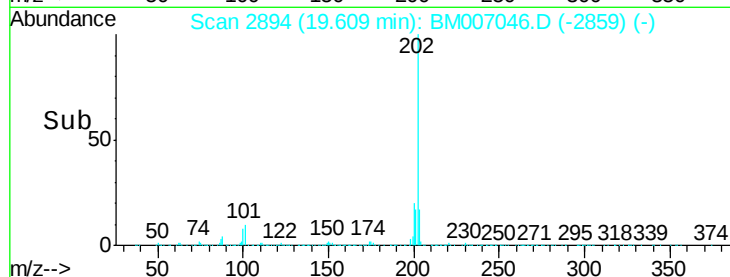
100 8.0 6.9 10.3



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: 9.19 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. 0.06 min

Lab File: BM007046.D

Acq: 12 Aug 2016 16:38

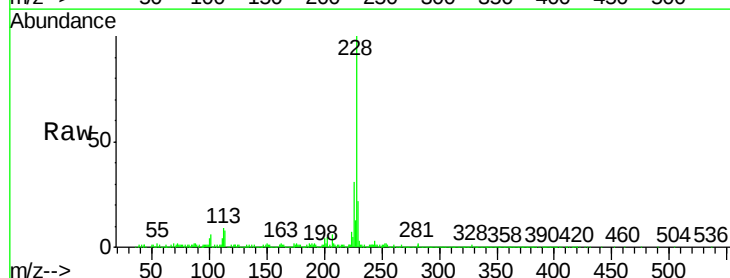
Tgt Ion:228 Resp: 853829

Ion Ratio Lower Upper

228 100

229 22.4 15.6 23.4

226 31.4 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

