

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002202.D
 Acq On : 03 Aug 2015 17:58
 Operator : TP/UM
 Sample : G3095-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01R9

Quant Time: Aug 04 02:37:05 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	63669	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	291275	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	193756	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	480365	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	612386	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	517809	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1827	1.48	ng/uL	0.00
5) Phenol-d5	6.73	99	54060	11.88	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27945	11.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	46250	11.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	42075	11.63	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	22430	10.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	26364	11.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	50889	11.49	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	43674	8.97	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	157590	11.10	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	177319	9.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	18141	7.66	ng/ul	0.01
58) Fluorene-d10	15.21	176	125146	10.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	2468	0.84	ng/ul	0.01
71) Anthracene-d10	17.06	188	203829	9.51	ng/ul	0.00
79) Pyrene-d10	19.37	212	243966	9.46	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	231621	9.23	ng/ul	0.01

Target Compounds

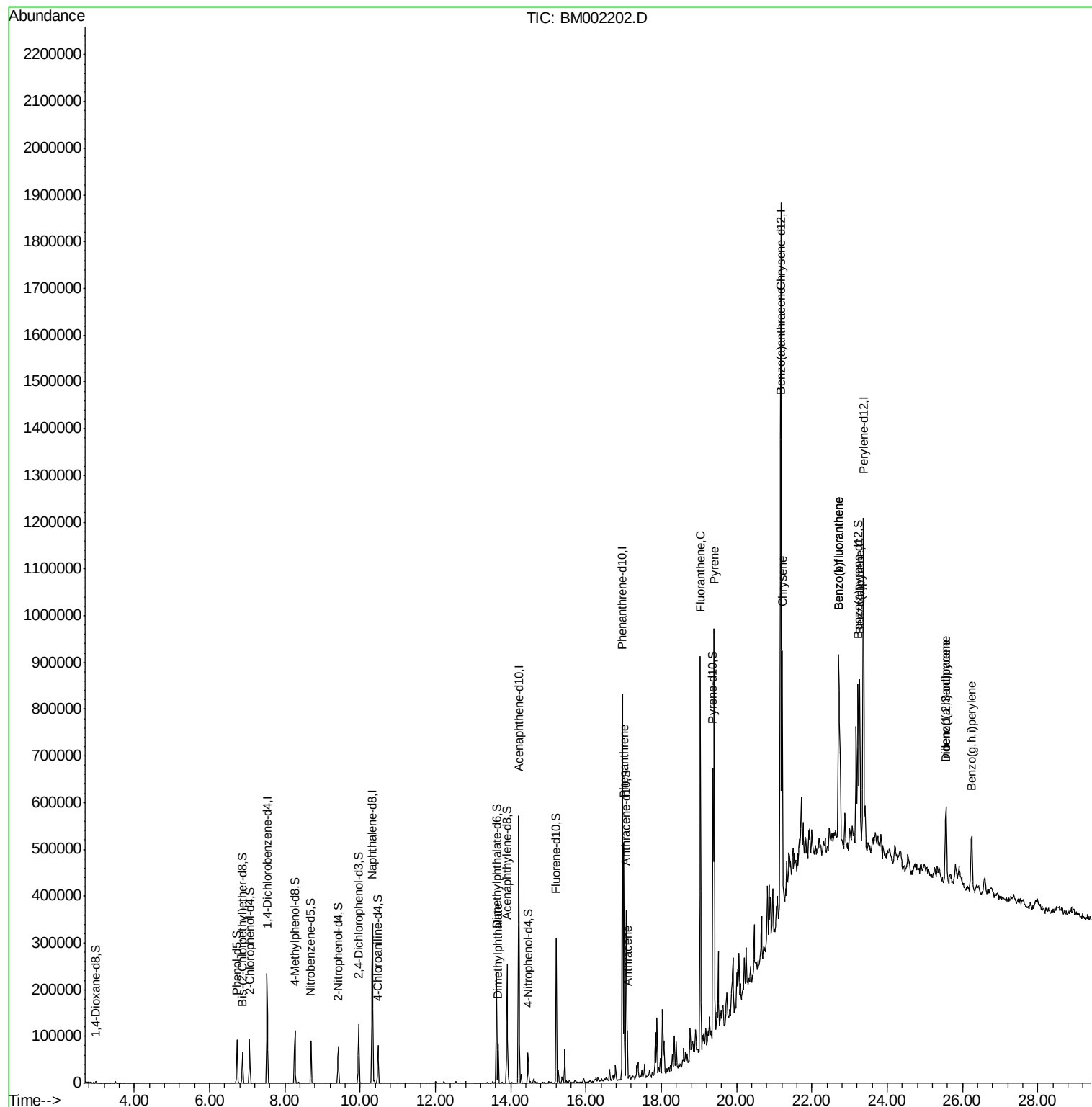
						Qvalue
45) Dimethylphthalate	13.67	163	56781	4.01	ng/ul	99
70) Phenanthrene	17.00	178	293192	11.78	ng/ul	99
72) Anthracene	17.09	178	63804	2.51	ng/ul	99
77) Fluoranthene	19.03	202	497481	17.32	ng/ul	99
80) Pyrene	19.40	202	549884	16.50	ng/ul	98
83) Benzo(a)anthracene	21.16	228	321087	9.46	ng/ul	97
85) Chrysene	21.21	228	303444	9.55	ng/ul	97
88) Benzo(b)fluoranthene	22.71	252	356403	12.25	ng/ul	96
89) Benzo(k)fluoranthene	22.71	252	184266	6.56	ng/ul	97
91) Benzo(a)pyrene	23.27	252	251383	8.95	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.56	276	160354	4.95	ng/ul	96
93) Dibenzo(a,h)anthracene	25.55	278	45865	1.66	ng/ul#	87
94) Benzo(g,h,i)perylene	26.24	276	151323	5.58	ng/ul	95

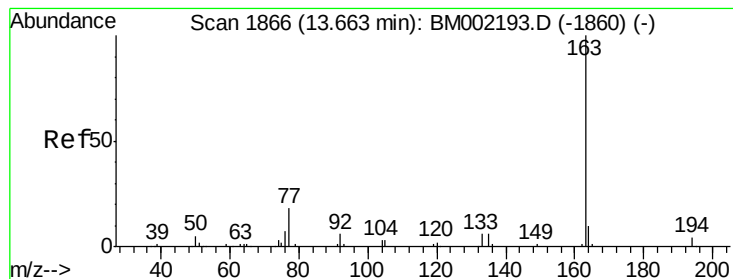
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 4.01 ng/ul

RT: 13.67 min Scan# 1867

Delta R.T. 0.01 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

Instrument :

BNA_M

ClientSampled :

C01R9

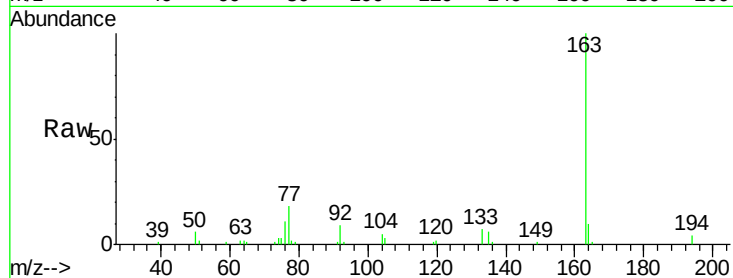
Tgt Ion:163 Resp: 56781

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

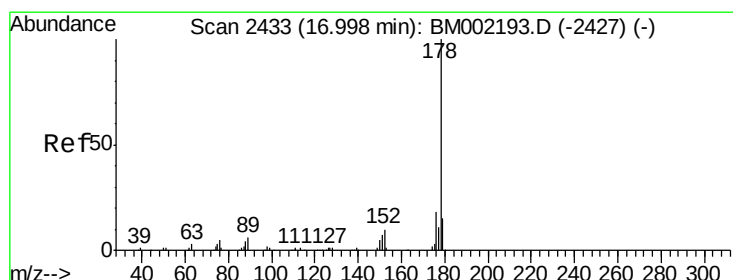
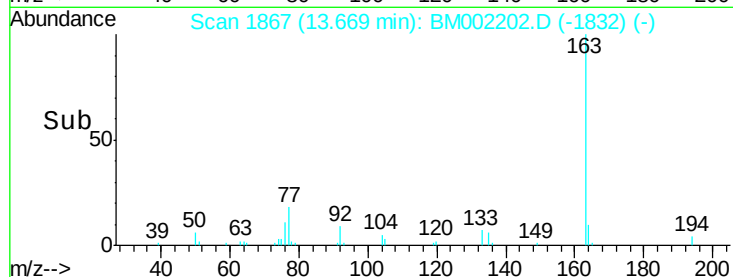
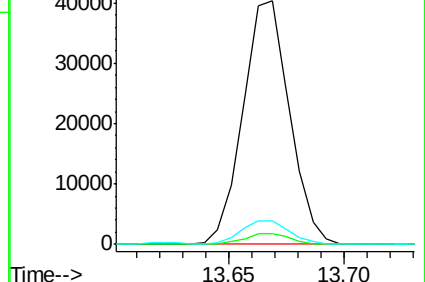
164 9.6 8.0 12.0



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



#70

Phenanthrene

Concen: 11.78 ng/ul

RT: 17.00 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

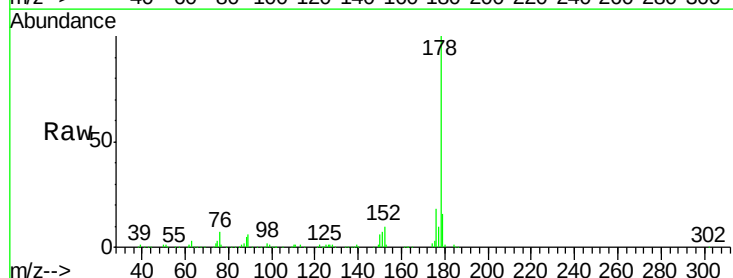
Tgt Ion:178 Resp: 293192

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

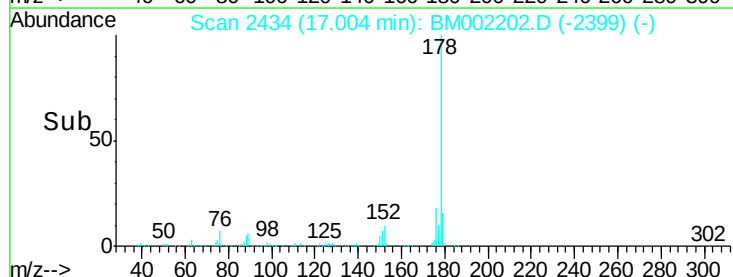
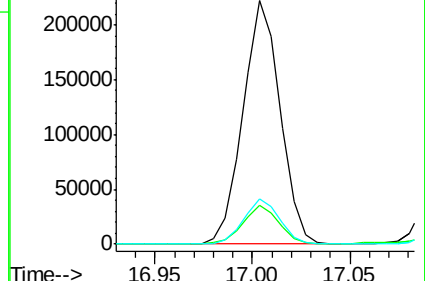
176 18.3 14.2 21.4

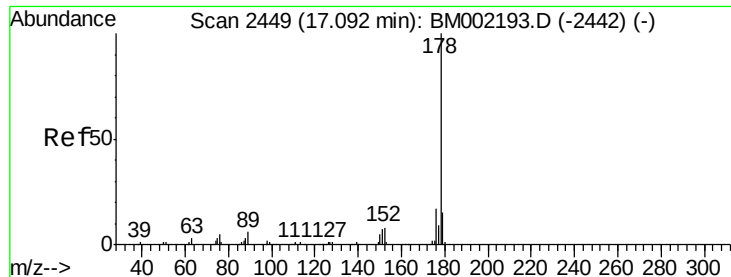


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.51 ng/ul

RT: 17.09 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

Instrument :

BNA_M

ClientSampleId :

C01R9

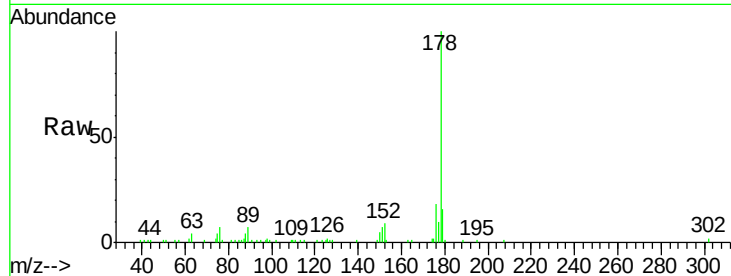
Tgt Ion:178 Resp: 63804

Ion Ratio Lower Upper

178 100

179 16.1 12.1 18.1

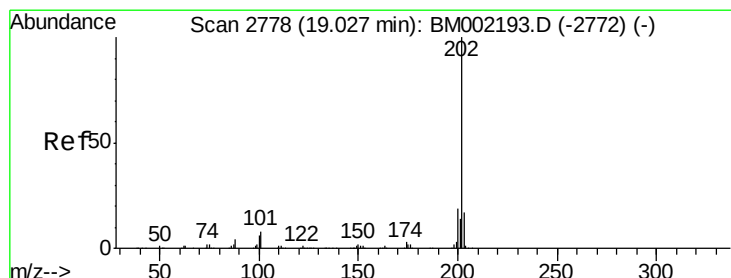
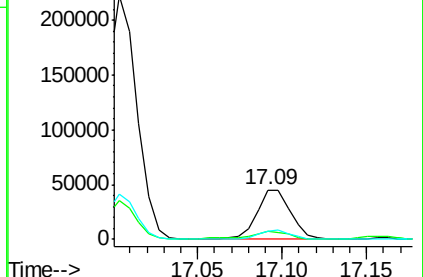
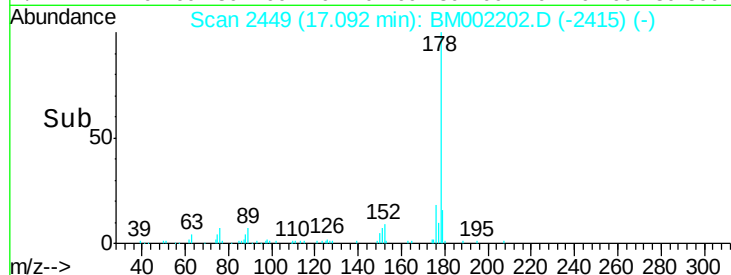
176 17.7 14.1 21.1



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



#77

Fluoranthene

Concen: 17.32 ng/ul

RT: 19.03 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

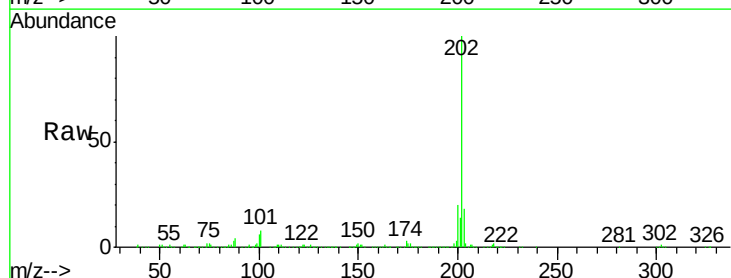
Tgt Ion:202 Resp: 497481

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.4

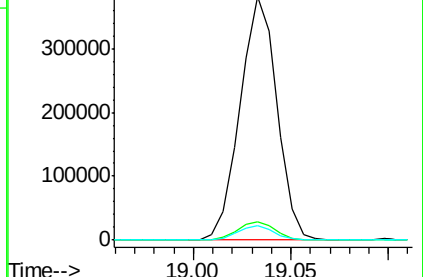
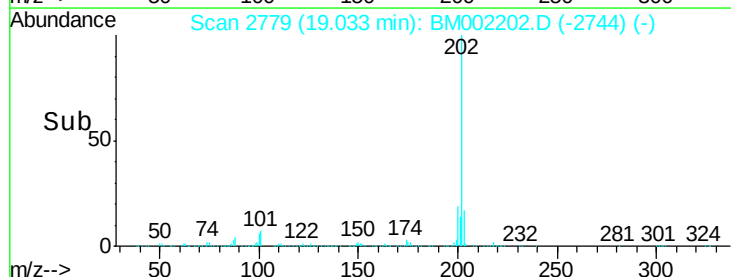
100 6.1 5.2 7.8

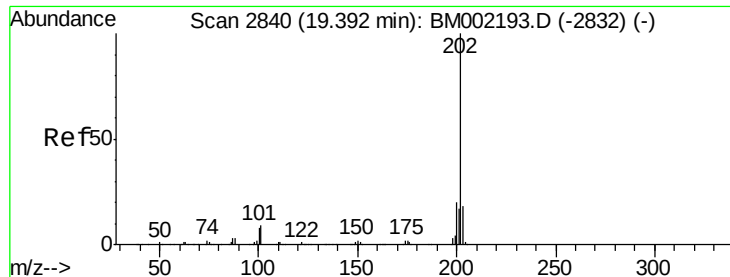


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

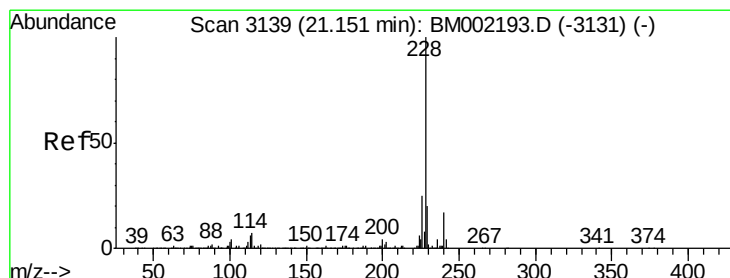
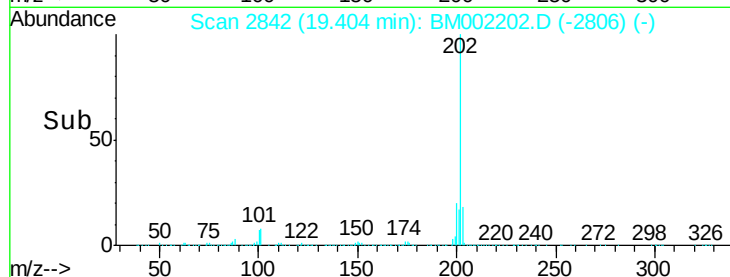
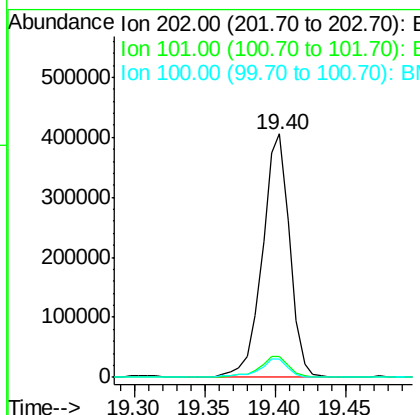
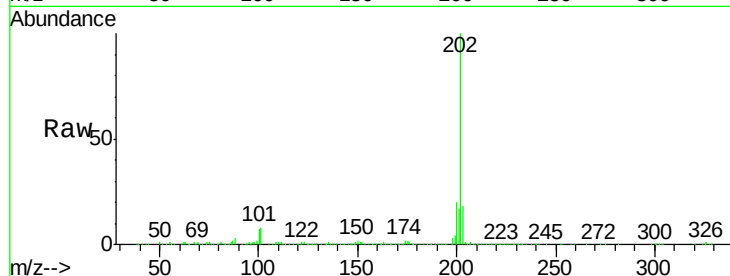




#80
 Pyrene
 Concen: 16.50 ng/ul
 RT: 19.40 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BM002202.D
 Acq: 03 Aug 2015 17:58

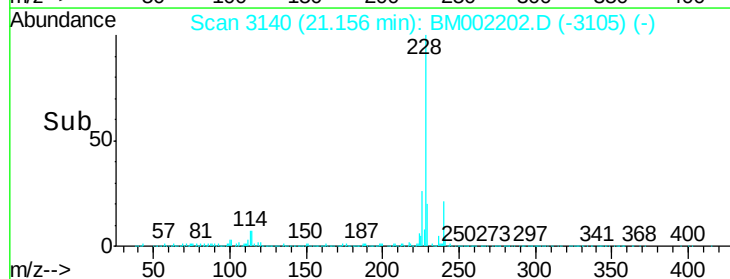
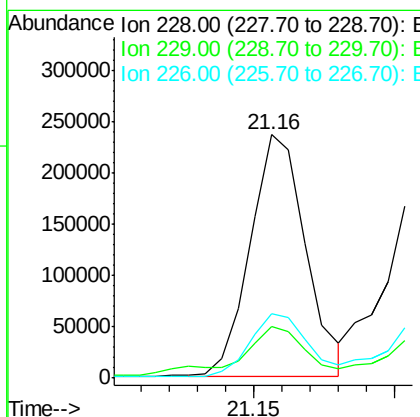
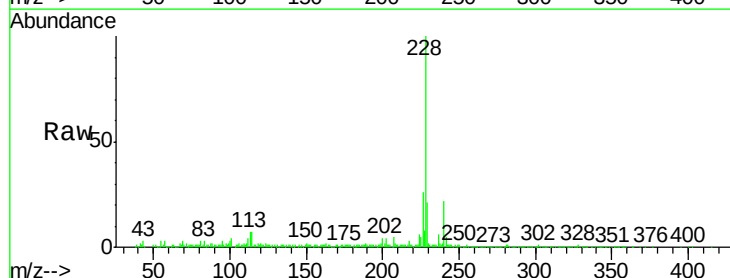
Instrument :
 BNA_M
 ClientSampled :
 C01R9

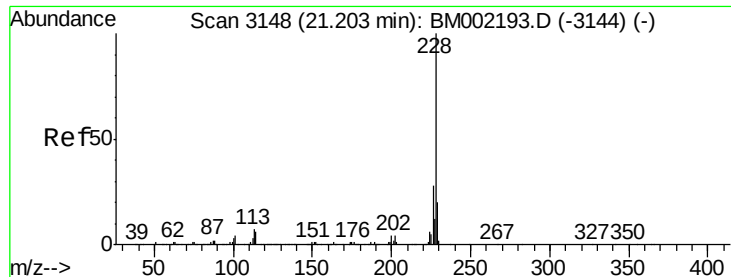
Tgt Ion:	202	Resp:	549884
Ion	Ratio	Lower	Upper
202	100		
101	8.5	7.4	11.2
100	7.3	6.3	9.5



#83
 Benzo(a)anthracene
 Concen: 9.46 ng/ul
 RT: 21.16 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BM002202.D
 Acq: 03 Aug 2015 17:58

Tgt Ion:	228	Resp:	321087
Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.2
226	26.4	20.5	30.7

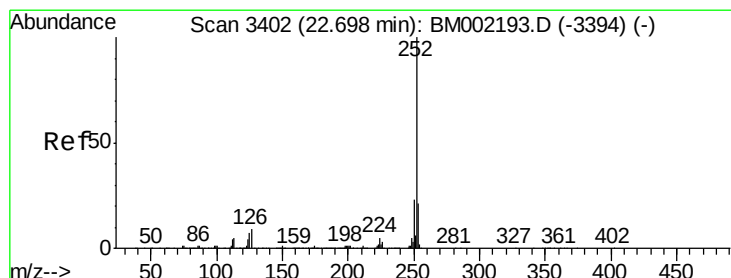
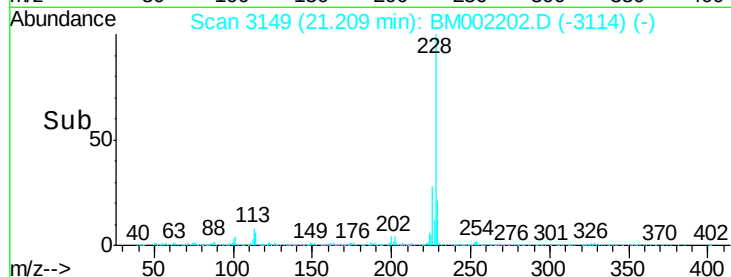
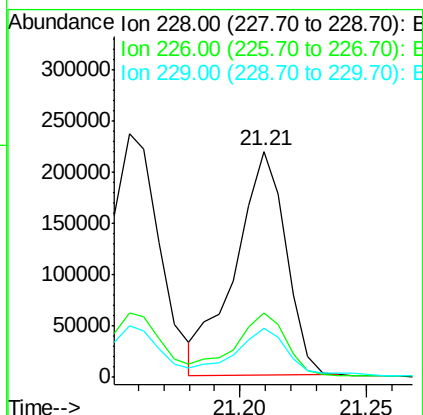
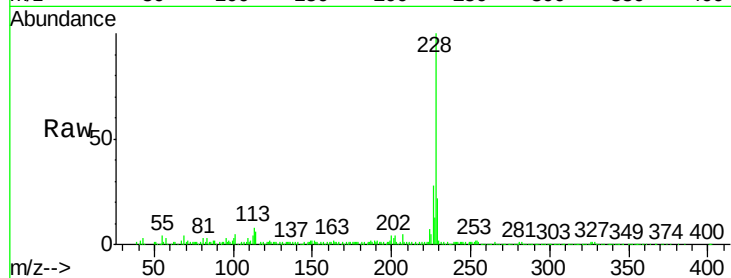




#85
 Chrysene
 Concen: 9.55 ng/ul
 RT: 21.21 min Scan# 3149
 Delta R.T. 0.01 min
 Lab File: BM002202.D
 Acq: 03 Aug 2015 17:58

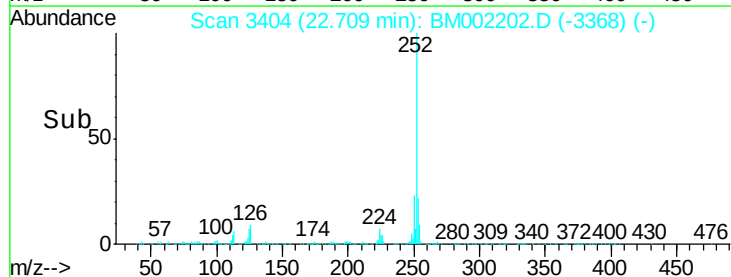
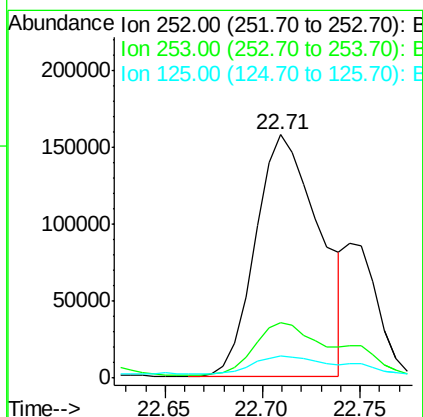
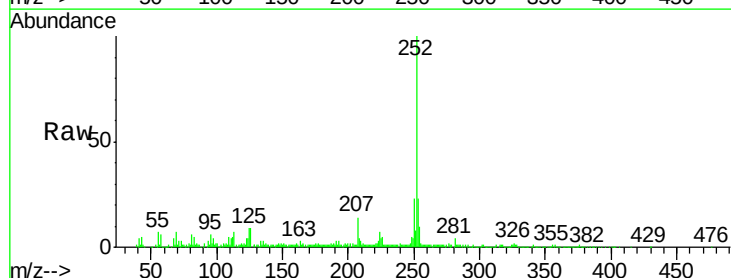
Instrument :
 BNA_M
 ClientSampleId :
 C01R9

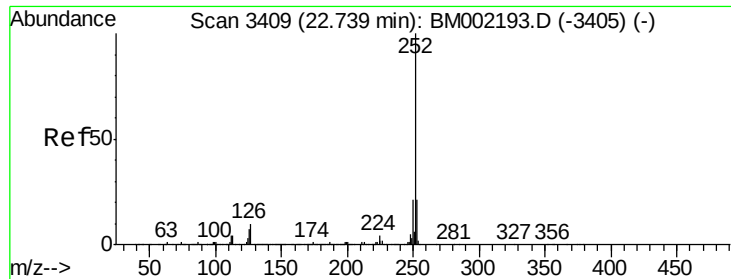
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	21.8	15.5	23.3



#88
 Benzo(b)fluoranthene
 Concen: 12.25 ng/ul
 RT: 22.71 min Scan# 3404
 Delta R.T. 0.01 min
 Lab File: BM002202.D
 Acq: 03 Aug 2015 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.9	25.3
125	9.1	6.2	9.2





#89

Benzo(k)fluoranthene

Concen: 6.56 ng/ul

RT: 22.71 min Scan# 3404

Delta R.T. -0.03 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

Instrument :

BNA_M

ClientSampleId :

C01R9

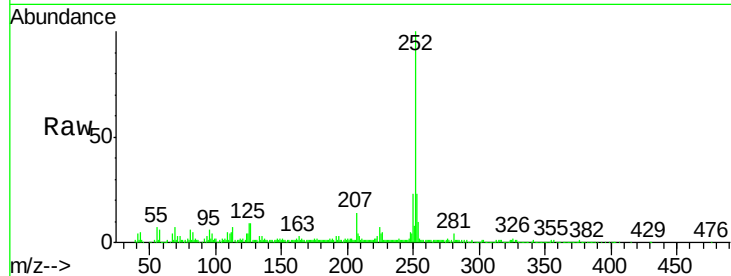
Tgt Ion:252 Resp: 184266

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

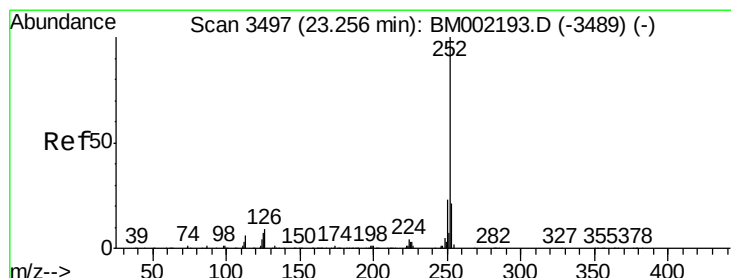
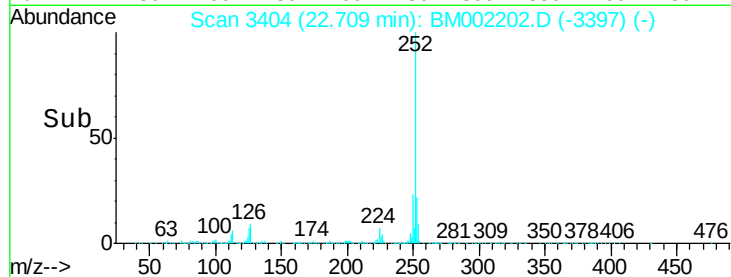
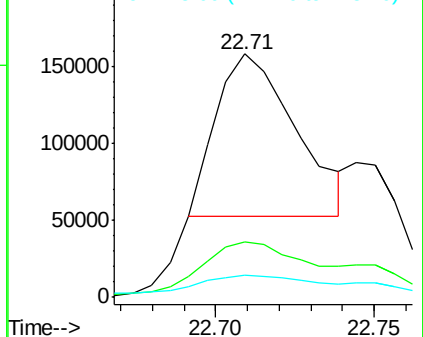
125 9.1 6.2 9.4



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



#91

Benzo(a)pyrene

Concen: 8.95 ng/ul

RT: 23.27 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

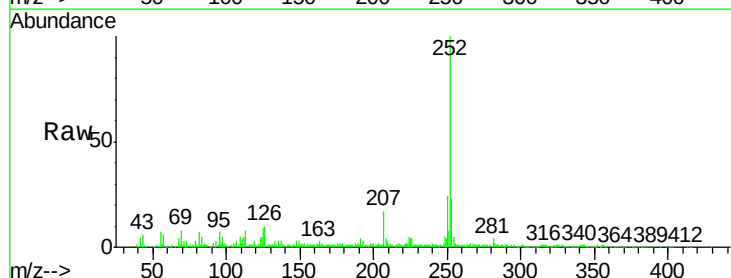
Tgt Ion:252 Resp: 251383

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

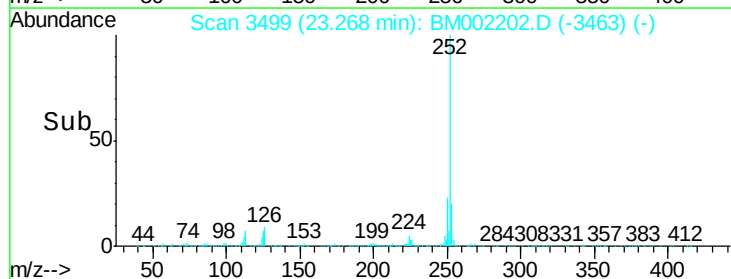
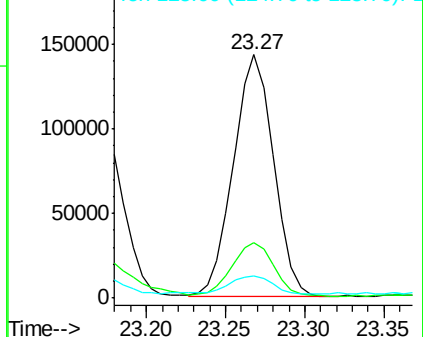
125 9.2 6.6 10.0

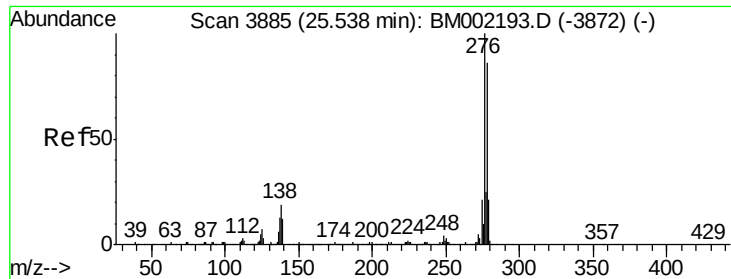


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.95 ng/ul

RT: 25.56 min Scan# 3888

Delta R.T. 0.02 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

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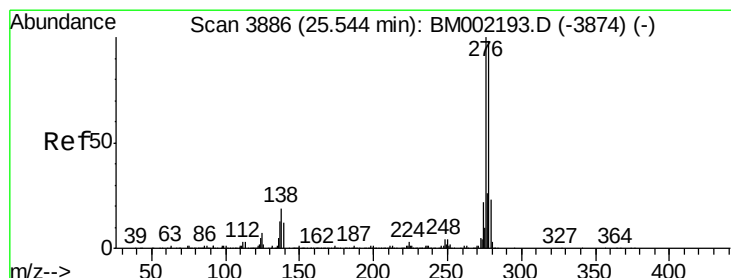
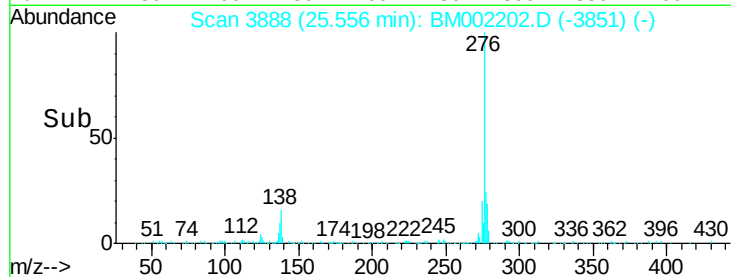
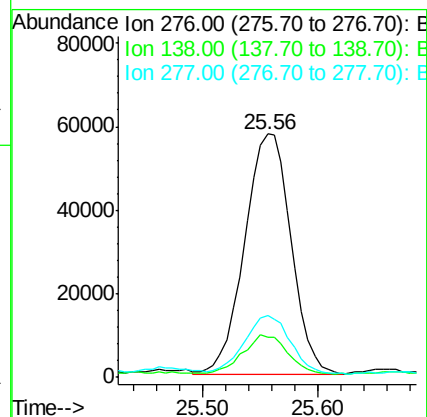
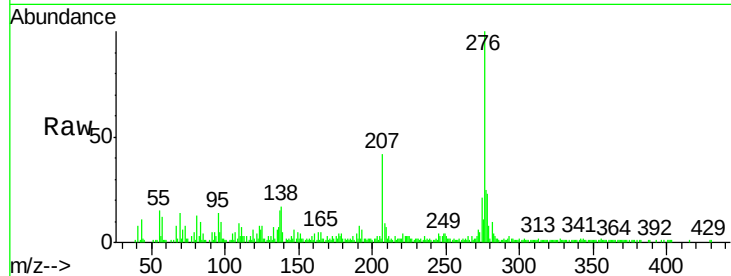
Tgt Ion:276 Resp: 160354

Ion Ratio Lower Upper

276 100

138 16.5 16.2 24.2

277 25.2 19.8 29.8



#93

Dibenzo(a,h)anthracene

Concen: 1.66 ng/ul

RT: 25.55 min Scan# 3887

Delta R.T. 0.01 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

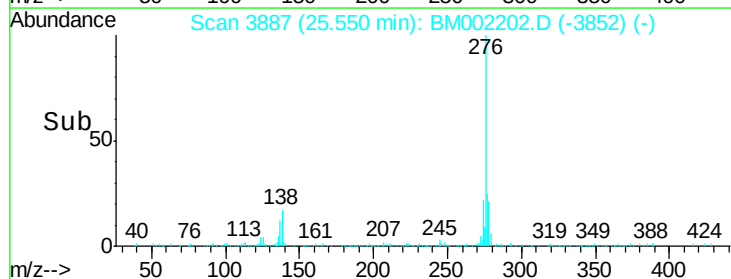
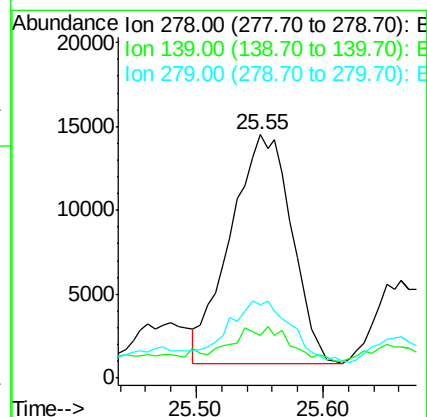
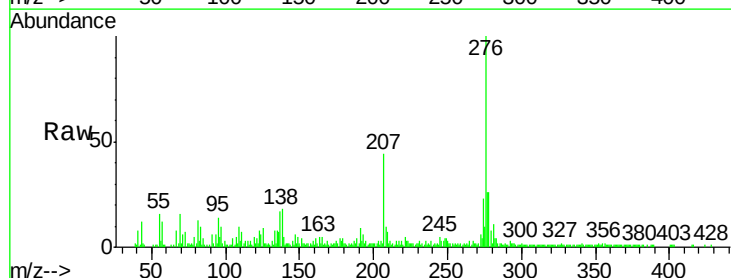
Tgt Ion:278 Resp: 45865

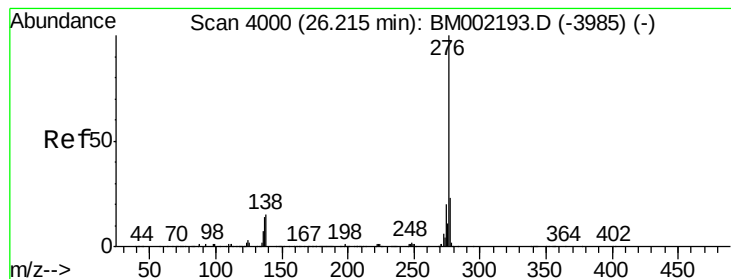
Ion Ratio Lower Upper

278 100

139 17.7 10.6 16.0#

279 30.2 18.5 27.7#





#94

Benzo(g,h,i)perylene

Concen: 5.58 ng/ul

RT: 26.24 min Scan# 4004

Delta R.T. 0.02 min

Lab File: BM002202.D

Acq: 03 Aug 2015 17:58

Instrument :

BNA_M

ClientSampleId :

C01R9

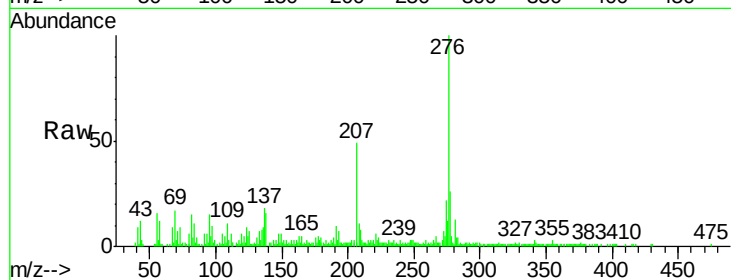
Tgt Ion: 276 Resp: 151323

Ion Ratio Lower Upper

276 100

138 16.0 13.8 20.6

277 26.1 18.2 27.2



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

