

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061816\
 Data File : BM005857.D
 Acq On : 17 Jun 2016 12:22
 Operator : UM/SJ
 Sample : H3535-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YA9

Quant Time: Jun 17 13:09:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 17 10:48:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	24165	20.00	ng/ul	0.00
7) Naphthalene-d8	10.52	136	108818	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.37	164	67209	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	152647	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	148920	20.00	ng/ul	0.00
34) Perylene-d12	23.56	264	123825	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.18	96	491	2.63	ng/uL	0.00
3) Phenol-d5	6.92	99	42356	20.94	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.06	67	23533	22.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.26	132	38776	22.98	ng/ul	0.00
6) 4-Methylphenol-d8	8.45	113	39297	21.73	ng/ul	0.00
8) Nitrobenzene-d5	8.89	128	19717	25.67	ng/ul	0.00
9) 2-Nitrophenol-d4	9.61	143	24235	25.82	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	44614	24.07	ng/ul	0.00
12) 4-Chloroaniline-d4	10.66	131	38542	30.72	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	168960	26.57	ng/ul	0.00
17) Acenaphthylene-d8	14.07	160	201648	27.53	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	21196	27.66	ng/ul	0.00
21) Fluorene-d10	15.37	176	155837	28.76	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	20843	20.23	ng/ul	0.00
26) Anthracene-d10	17.22	188	254557	31.94	ng/ul	0.00
30) Pyrene-d10	19.52	212	285133	40.39	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.41	264	207081	33.45	ng/ul	0.00

Target Compounds

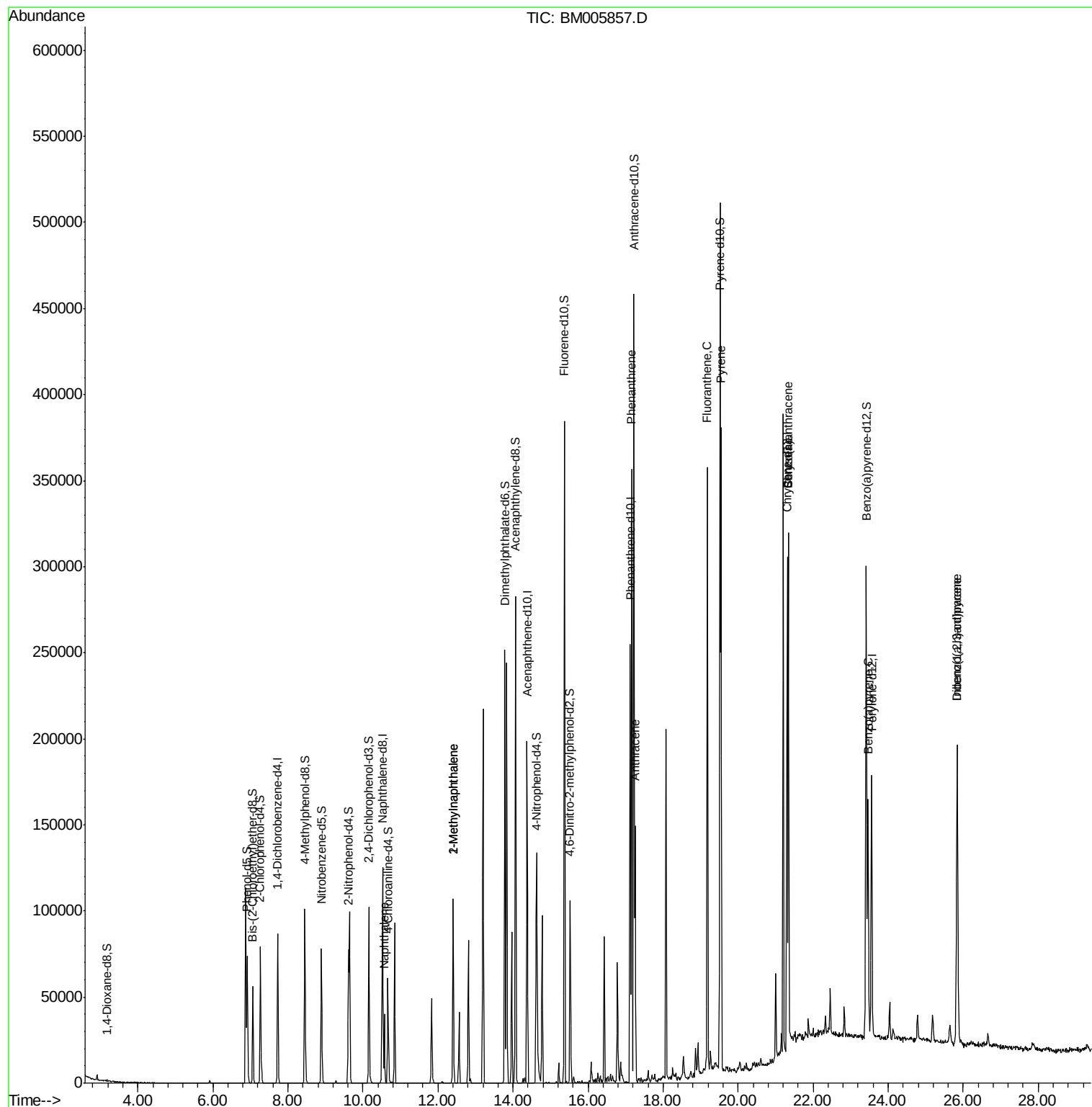
						Qvalue
11) Naphthalene	10.57	128	34625	5.94	ng/ul	99
13) 2-Methylnaphthalene	12.40	142	50844	11.44	ng/ul	94
14) 1-Methylnaphthalene	12.40	142	50844	10.99	ng/ul	98
25) Phenanthrene	17.16	178	219981	24.21	ng/ul	99
27) Anthracene	17.26	178	94515	10.17	ng/ul	99
28) Fluoranthene	19.18	202	215822	18.90	ng/ul	98
31) Pyrene	19.54	202	224364	25.49	ng/ul	99
32) Benzo(a)anthracene	21.34	228	153262	16.48	ng/ul	96
33) Chrysene	21.34	228	153262	17.11	ng/ul	99
38) Benzo(a)pyrene	23.46	252	110654	14.62	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.84	276	153996	16.65	ng/ul	97
40) Dibenzo(a,h)anthracene	25.84	278	80397	10.57	ng/ul	98

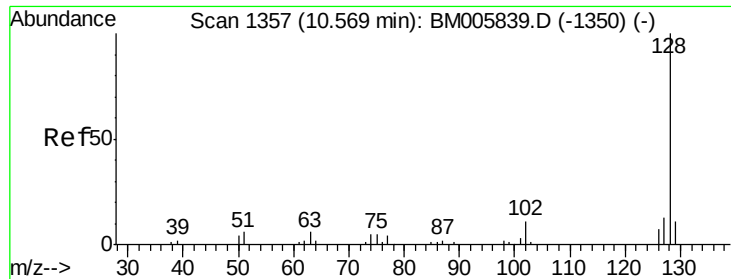
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 5.94 ng/ul

RT: 10.57 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

Instrument :

BNA_M

ClientSampleId :

D9YA9

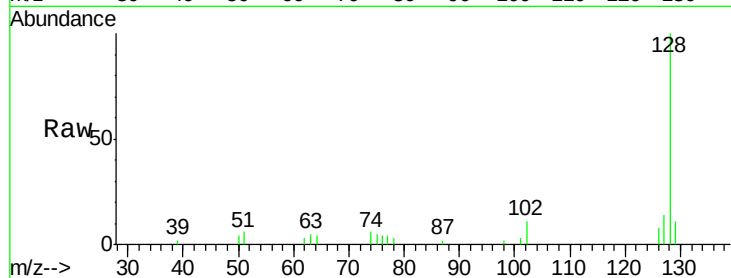
Tgt Ion:128 Resp: 34625

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

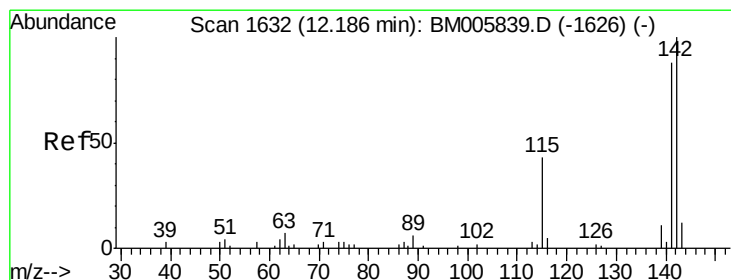
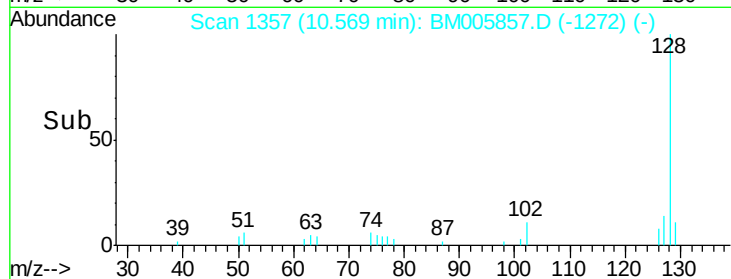
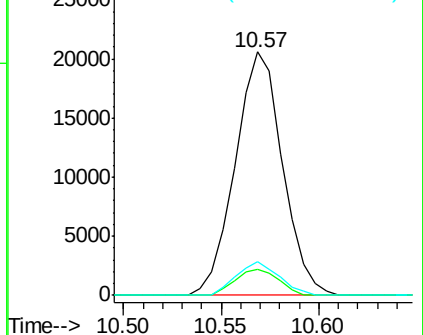
127 13.7 10.9 16.3



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



#13

2-Methylnaphthalene

Concen: 11.44 ng/ul

RT: 12.40 min Scan# 1669

Delta R.T. 0.22 min

Lab File: BM005857.D

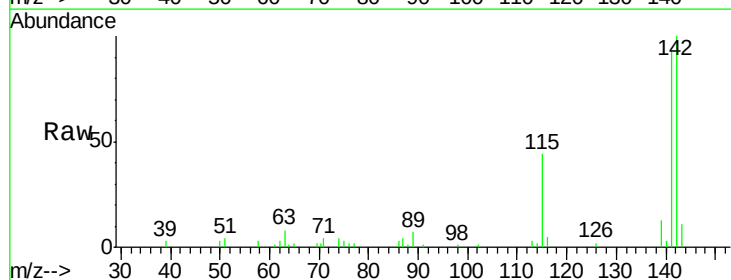
Acq: 17 Jun 2016 12:22

Tgt Ion:142 Resp: 50844

Ion Ratio Lower Upper

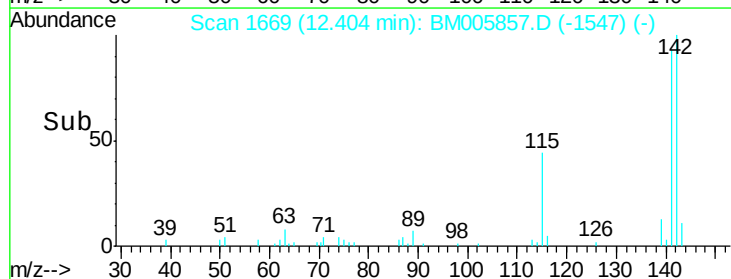
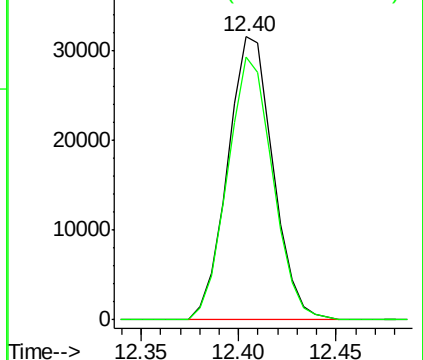
142 100

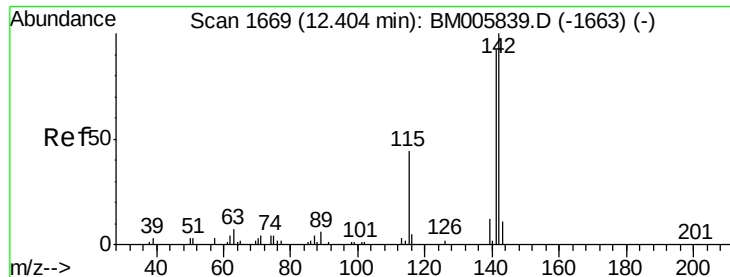
141 92.8 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

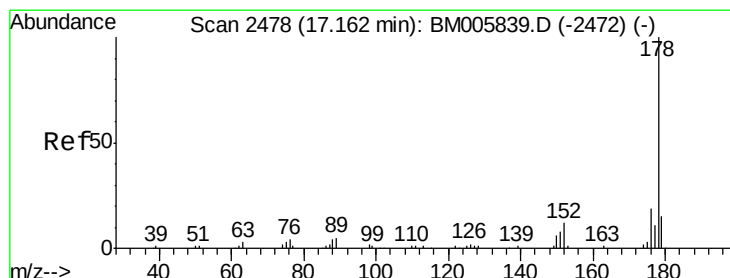
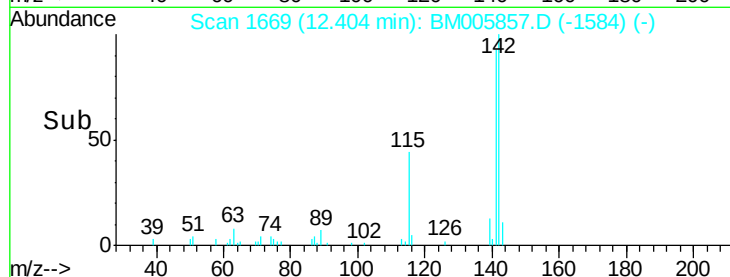
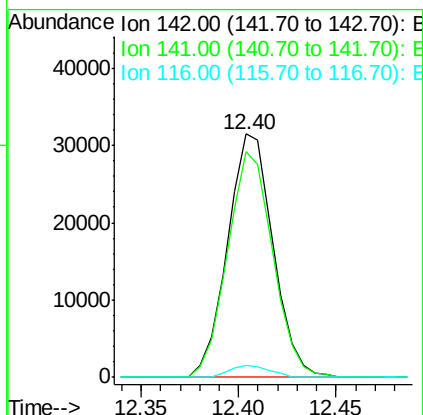
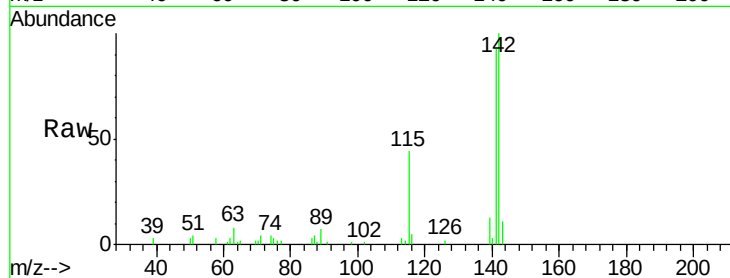




#14
 1-Methylnaphthalene
 Concen: 10.99 ng/ul
 RT: 12.40 min Scan# 1669
 Delta R.T. -0.00 min
 Lab File: BM005857.D
 Acq: 17 Jun 2016 12:22

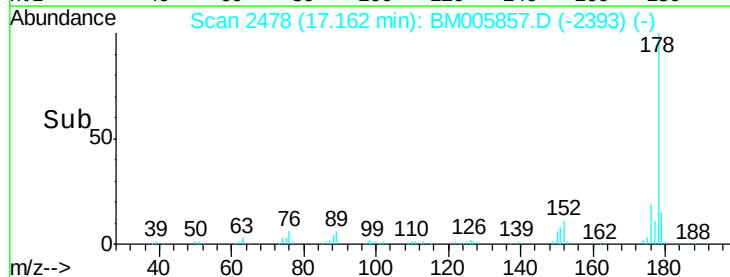
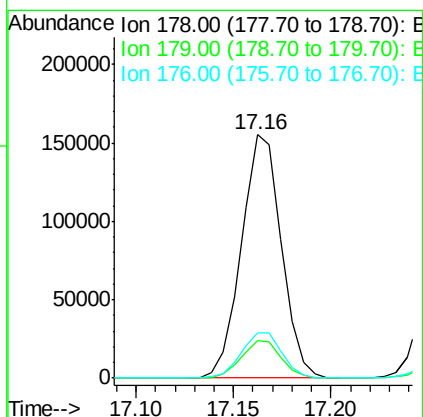
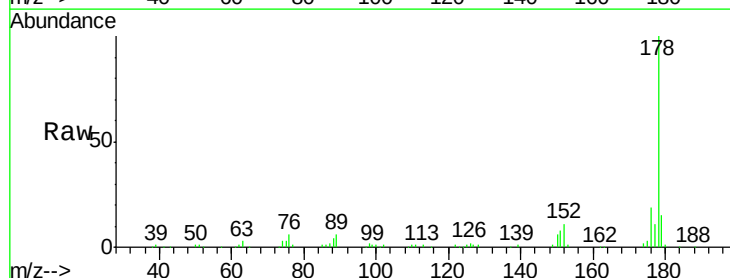
Instrument :
 BNA_M
 ClientSampleId :
 D9YA9

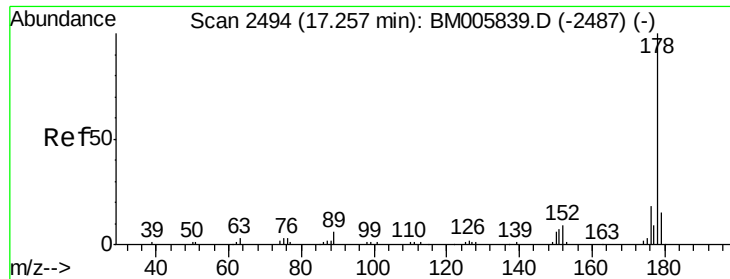
Tgt Ion:142 Resp: 50844
 Ion Ratio Lower Upper
 142 100
 141 92.8 75.4 113.2
 116 5.0 3.7 5.5



#25
 Phenanthrene
 Concen: 24.21 ng/ul
 RT: 17.16 min Scan# 2478
 Delta R.T. -0.00 min
 Lab File: BM005857.D
 Acq: 17 Jun 2016 12:22

Tgt Ion:178 Resp: 219981
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.0 18.0
 176 18.8 14.9 22.3

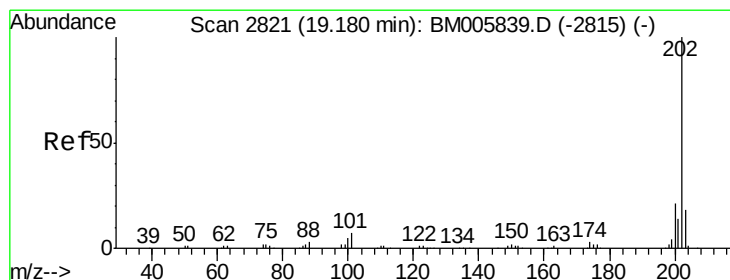
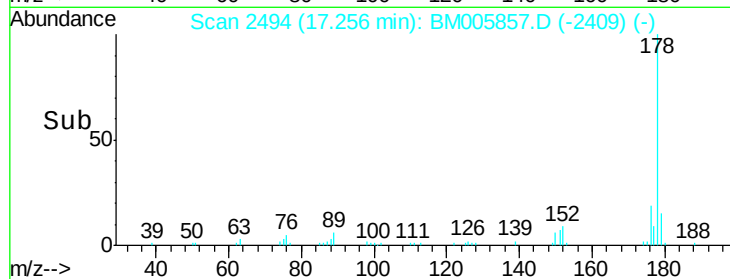
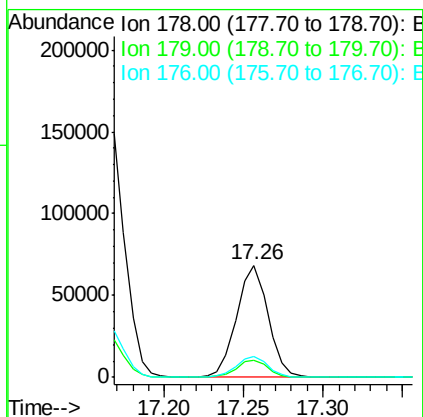
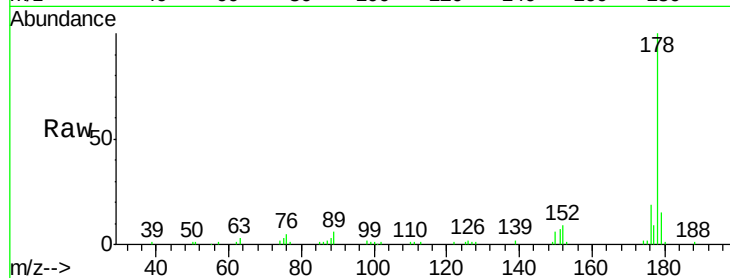




#27
 Anthracene
 Concen: 10.17 ng/ul
 RT: 17.26 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BM005857.D
 Acq: 17 Jun 2016 12:22

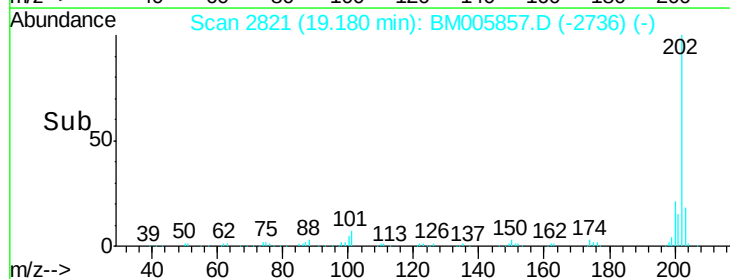
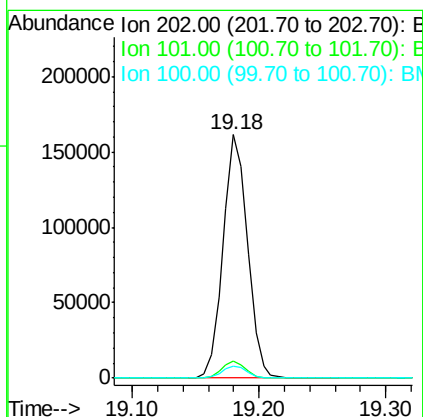
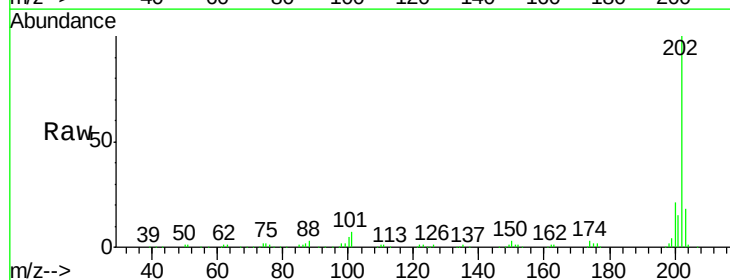
Instrument :
 BNA_M
 ClientSampleId :
 D9YA9

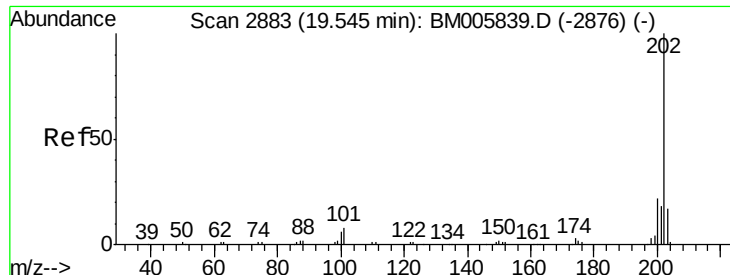
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.9	17.9
176	18.8	14.8	22.2



#28
 Fluoranthene
 Concen: 18.90 ng/ul
 RT: 19.18 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM005857.D
 Acq: 17 Jun 2016 12:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	6.1	9.1
100	4.9	4.2	6.2





#31

Pyrene

Concen: 25.49 ng/ul

RT: 19.54 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

Instrument :

BNA_M

ClientSampleId :

D9YA9

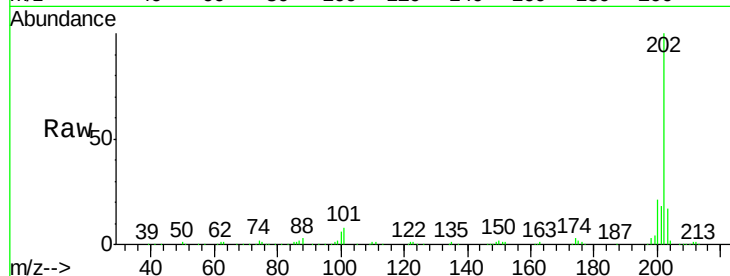
Tgt Ion: 202 Resp: 224364

Ion Ratio Lower Upper

202 100

101 7.7 6.5 9.7

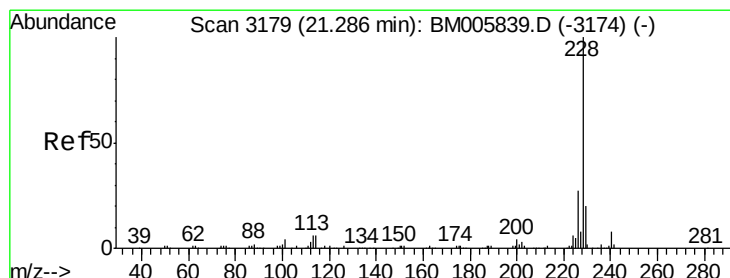
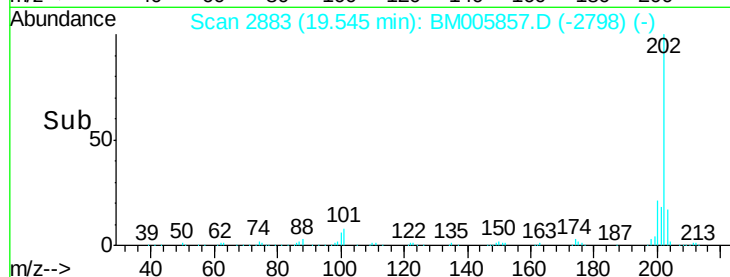
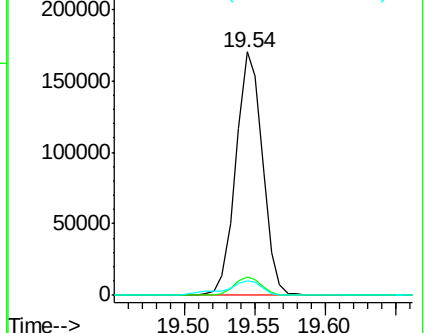
100 6.2 5.4 8.2



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



#32

Benzo(a)anthracene

Concen: 16.48 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.06 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

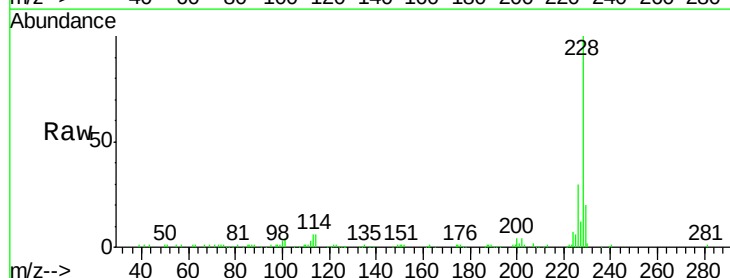
Tgt Ion: 228 Resp: 153262

Ion Ratio Lower Upper

228 100

229 19.5 15.8 23.6

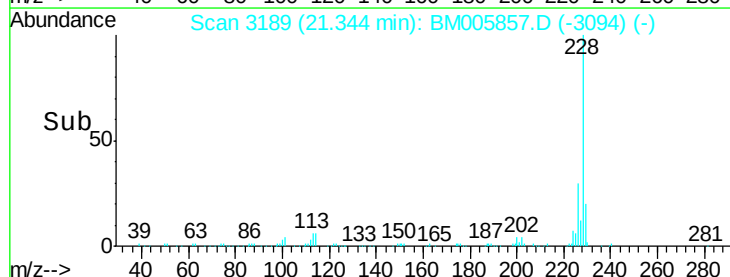
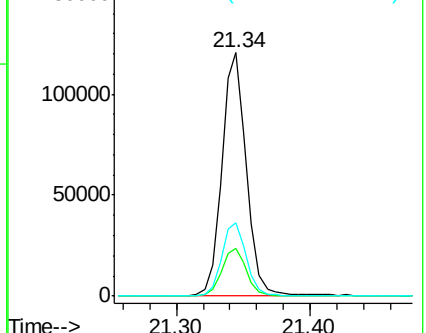
226 30.2 21.8 32.6

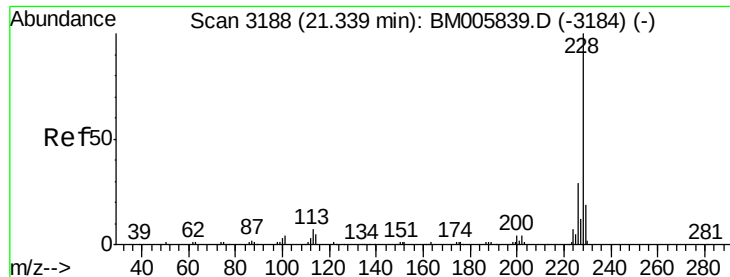


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 17.11 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.01 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

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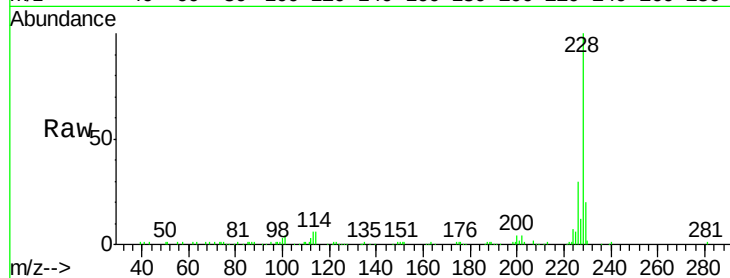
Tgt Ion:228 Resp: 153262

Ion Ratio Lower Upper

228 100

226 30.2 23.5 35.3

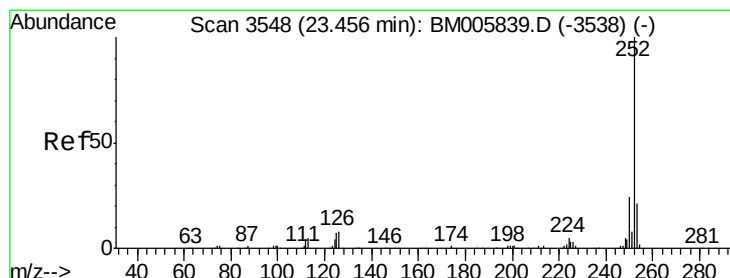
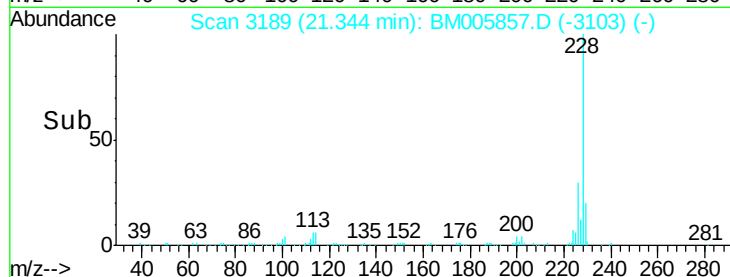
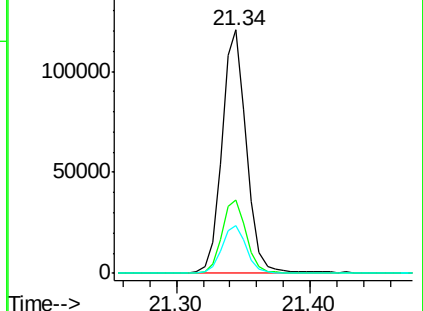
229 19.5 15.4 23.0



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



#38

Benzo(a)pyrene

Concen: 14.62 ng/ul

RT: 23.46 min Scan# 3549

Delta R.T. 0.01 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

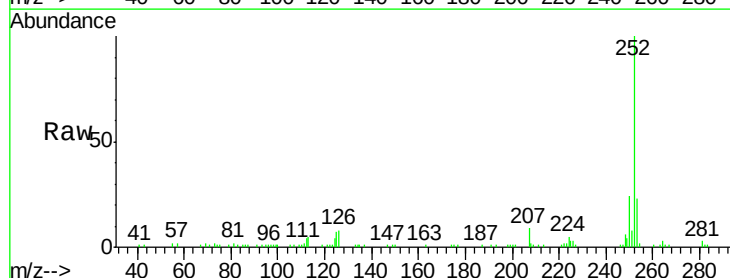
Tgt Ion:252 Resp: 110654

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

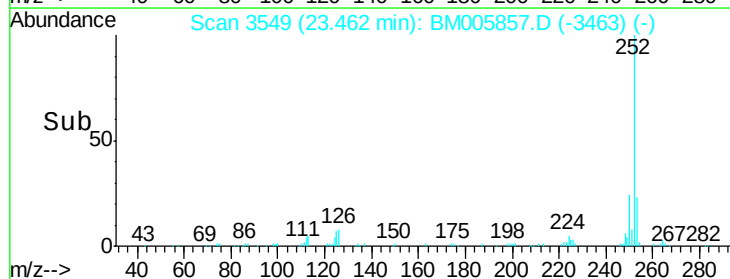
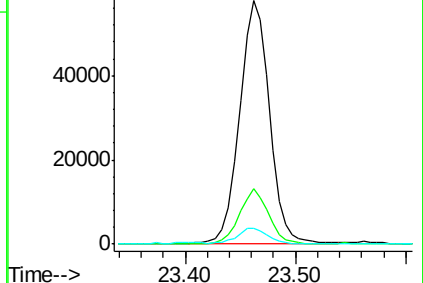
125 6.7 5.1 7.7

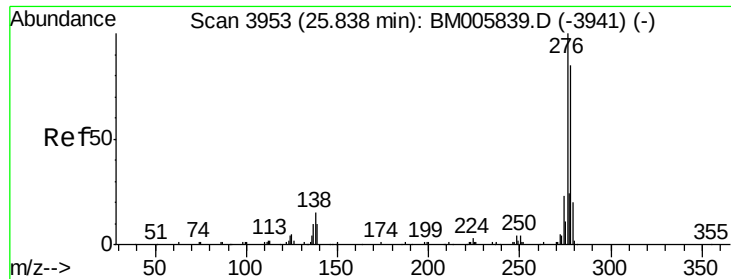


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 16.65 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. -0.00 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

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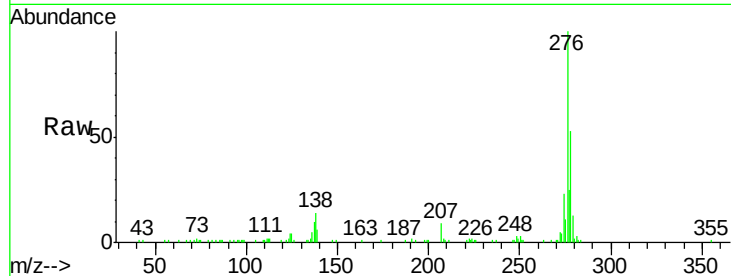
Tgt Ion:276 Resp: 153996

Ion Ratio Lower Upper

276 100

138 14.3 11.9 17.9

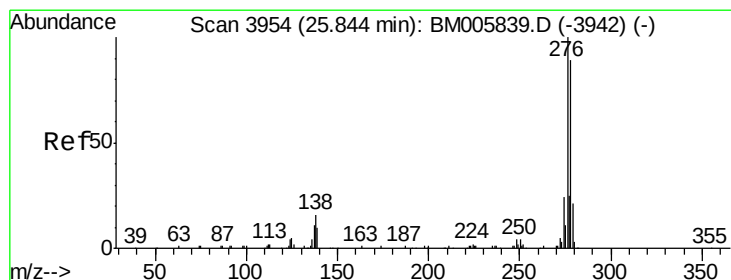
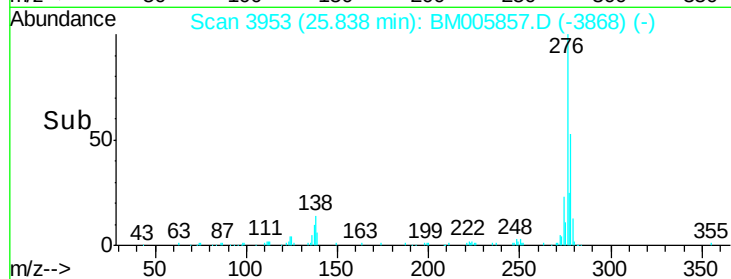
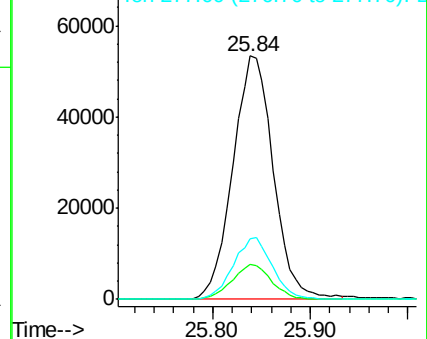
277 24.7 21.0 31.6



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



#40

Dibenzo(a,h)anthracene

Concen: 10.57 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005857.D

Acq: 17 Jun 2016 12:22

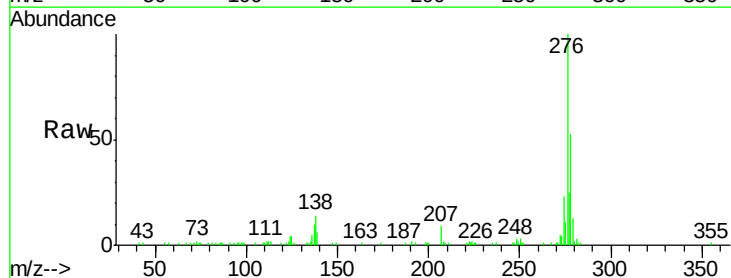
Tgt Ion:278 Resp: 80397

Ion Ratio Lower Upper

278 100

139 11.2 8.2 12.4

279 23.8 18.6 27.8



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

