

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006830.D
 Acq On : 01 Aug 2016 18:27
 Operator : UM/SJ
 Sample : H4189-16
 Misc :
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZQ5

Quant Time: Aug 01 19:31:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 01 18:35:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	190480	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	807983	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	439160	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	959368	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1006129	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1071245	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5943	1.26	ng/uL	0.00
3) Phenol-d5	6.80	99	210108	12.97	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.95	67	150910	15.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	180901	13.97	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	119921	9.54	ng/ul	0.01
8) Nitrobenzene-d5	8.76	128	91136	14.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.48	143	98352	15.12	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	168695	13.73	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	160016	11.82	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	501115	14.55	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	673379	15.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	56539	9.45	ng/ul	0.03
21) Fluorene-d10	15.26	176	454372	14.75	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	23932	4.81	ng/ul	0.02
26) Anthracene-d10	17.12	188	698154	15.33	ng/ul	0.00
30) Pyrene-d10	19.42	212	777676	16.96	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	774998	15.73	ng/ul	0.01

Target Compounds

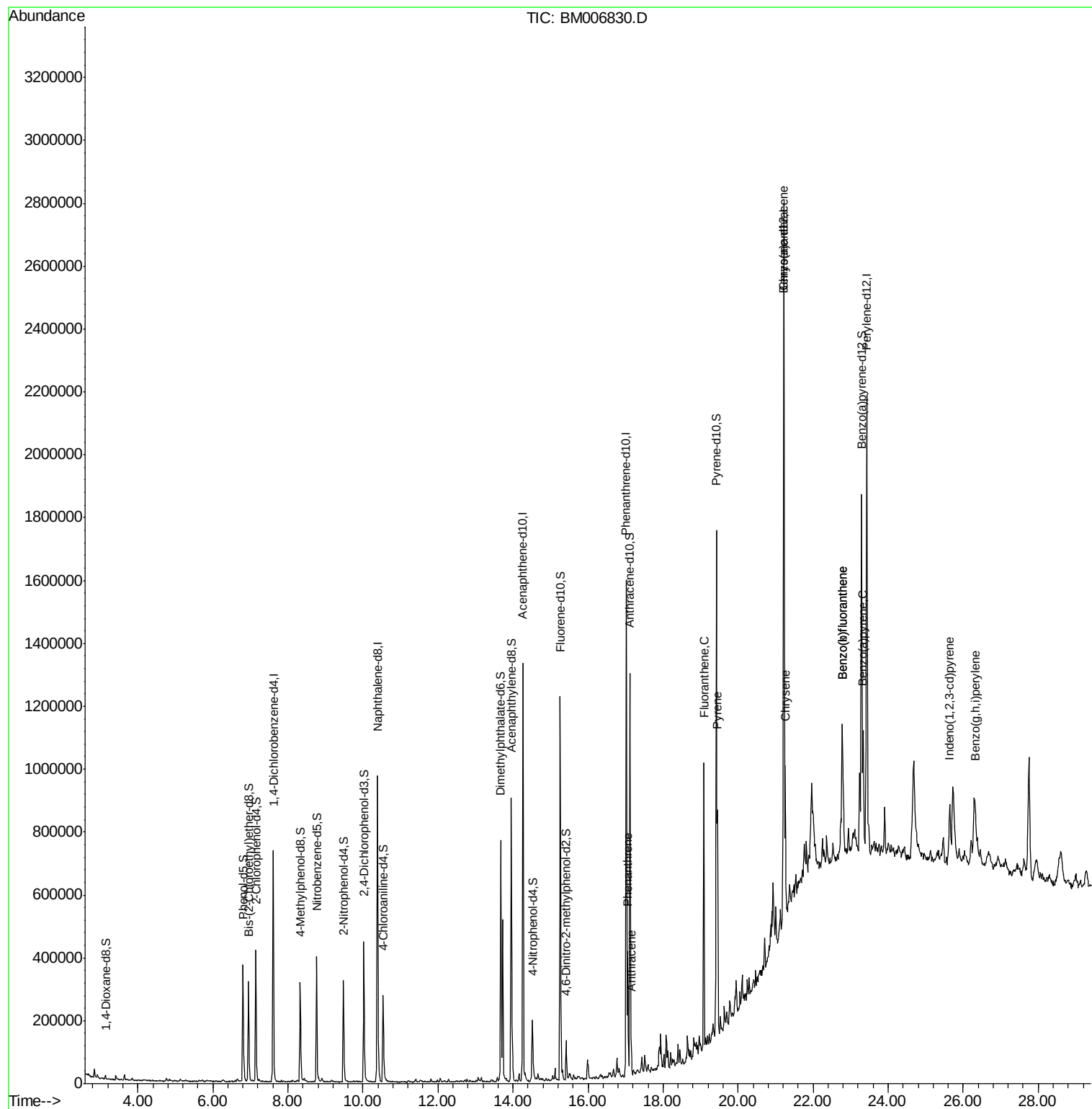
						Qvalue
25) Phenanthrene	17.06	178	240654	4.46	ng/ul	99
27) Anthracene	17.15	178	65524	1.18	ng/ul	99
28) Fluoranthene	19.09	202	536648	8.47	ng/ul	98
31) Pyrene	19.45	202	497917	8.17	ng/ul	97
32) Benzo(a)anthracene	21.21	228	284372	4.66	ng/ul	97
33) Chrysene	21.26	228	268788	4.78	ng/ul	96
35) Benzo(b)fluoranthene	22.77	252	351596	5.48	ng/ul	99
36) Benzo(k)fluoranthene	22.77	252	351596	5.66	ng/ul	98
38) Benzo(a)pyrene	23.33	252	261811	4.19	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.64	276	179888	2.49	ng/ul	98
41) Benzo(g,h,i)perylene	26.33	276	175058	2.82	ng/ul#	96

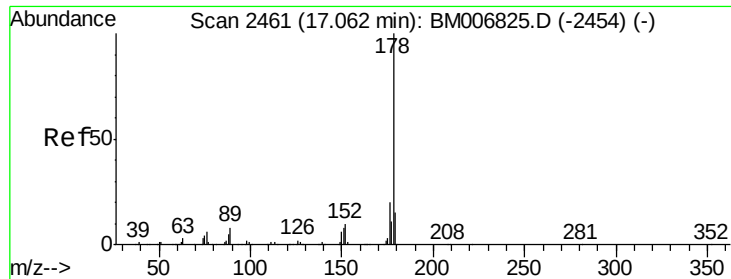
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 01 18:35:35 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 4.46 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

Instrument :

BNA_M

ClientSampleId :

D9ZQ5

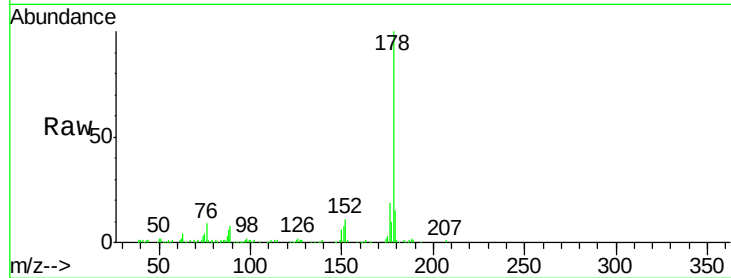
Tgt Ion:178 Resp: 240654

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

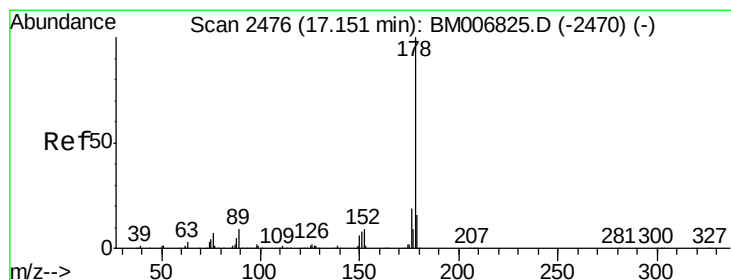
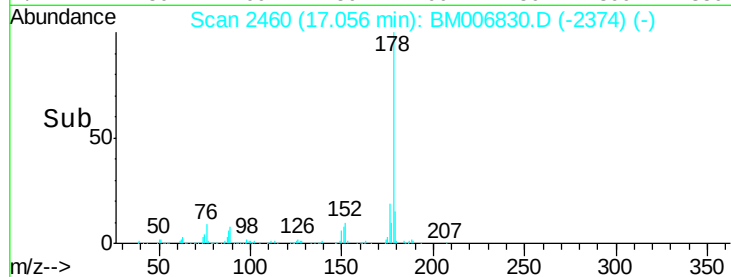
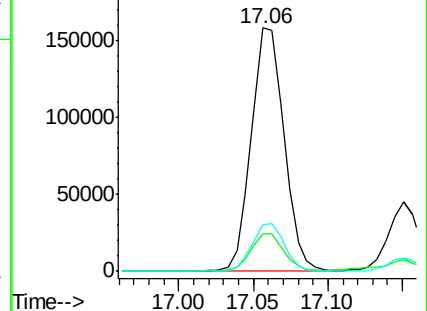
176 19.0 14.8 22.2



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



#27

Anthracene

Concen: 1.18 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

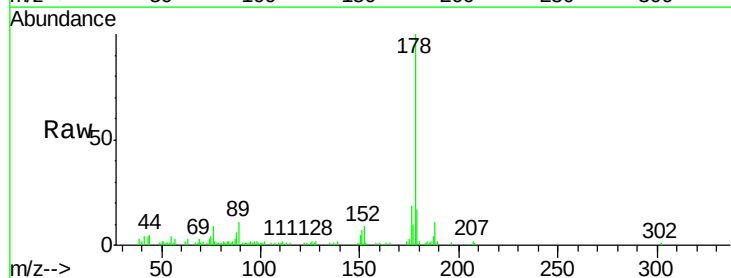
Tgt Ion:178 Resp: 65524

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

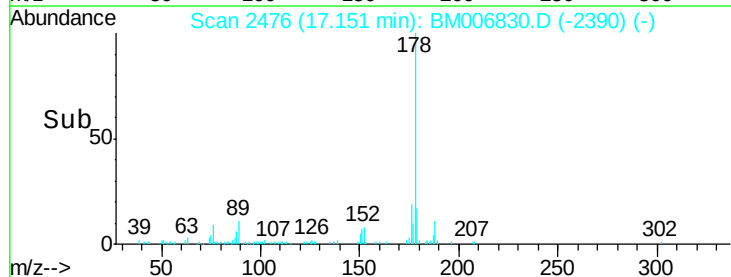
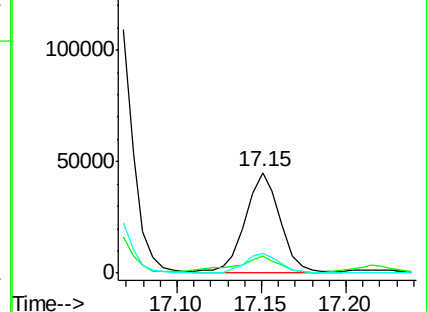
176 19.2 15.6 23.4

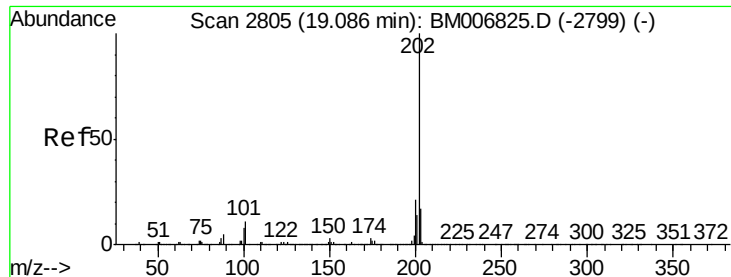


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

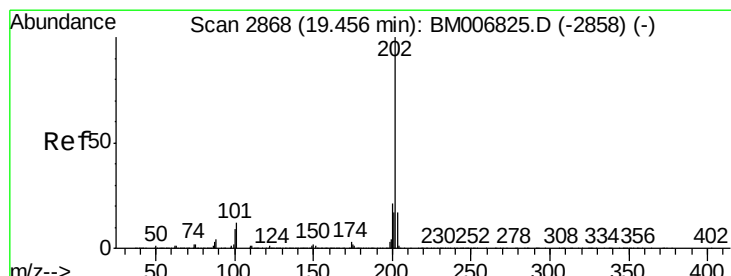
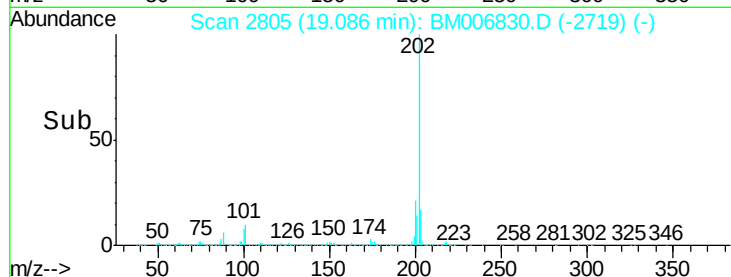
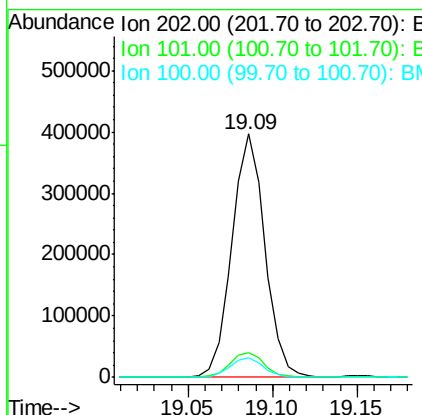
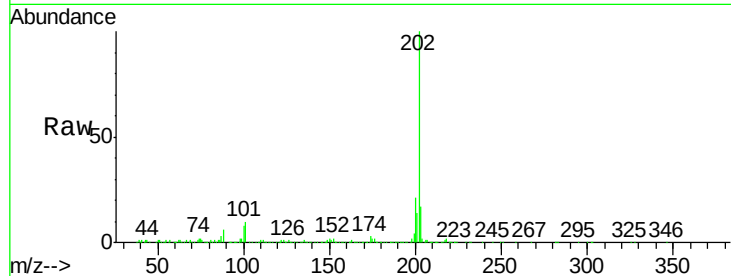




#28
 Fluoranthene
 Concen: 8.47 ng/ul
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM006830.D
 Acq: 01 Aug 2016 18:27

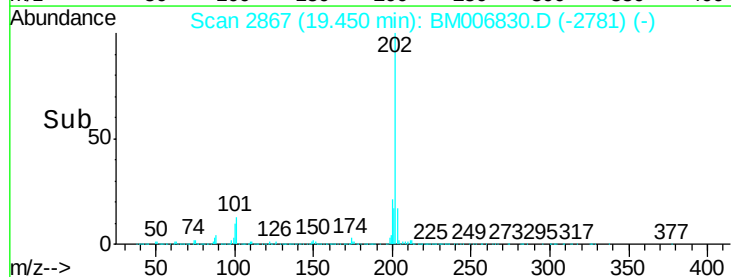
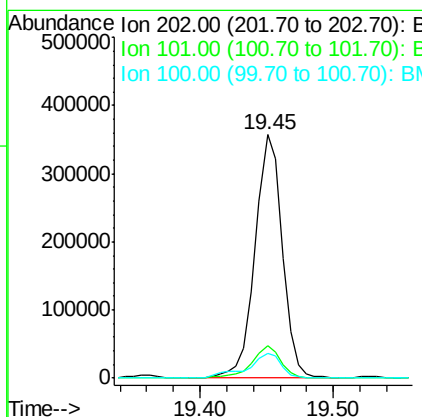
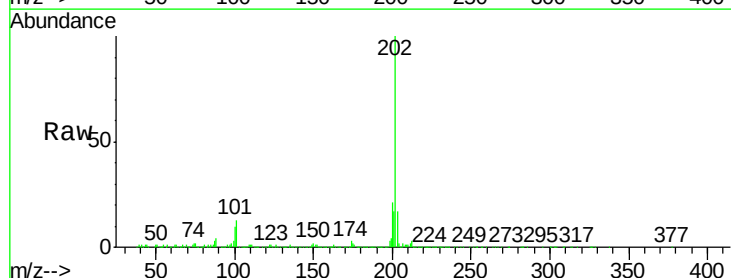
Instrument :
 BNA_M
 ClientSampleId :
 D9ZQ5

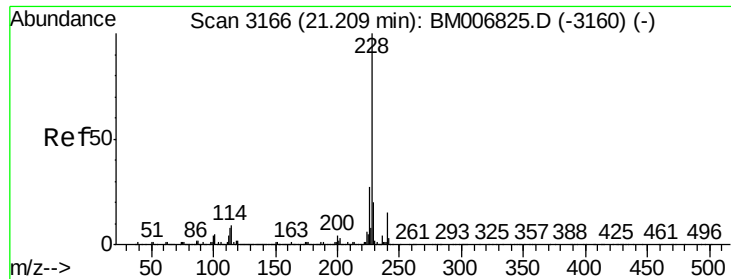
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	536648		
101	10.2		8.9	13.3
100	8.1		7.0	10.4



#31
 Pyrene
 Concen: 8.17 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BM006830.D
 Acq: 01 Aug 2016 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	497917		
101	13.1		9.8	14.8
100	10.3		9.3	13.9





#32

Benzo(a)anthracene

Concen: 4.66 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

Instrument :

BNA_M

ClientSampleId :

D9ZQ5

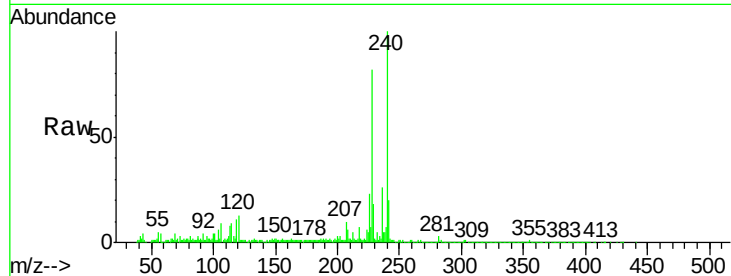
Tgt Ion:228 Resp: 284372

Ion Ratio Lower Upper

228 100

229 22.0 16.6 25.0

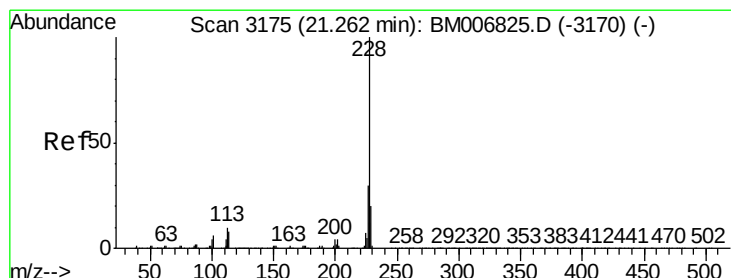
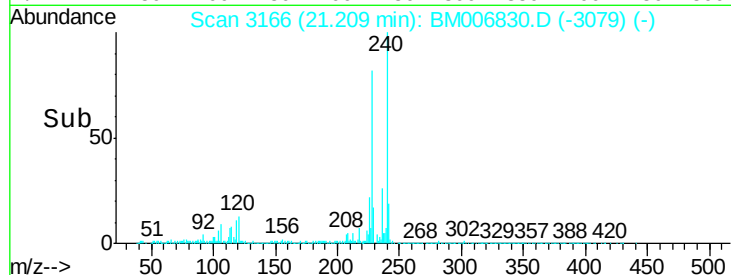
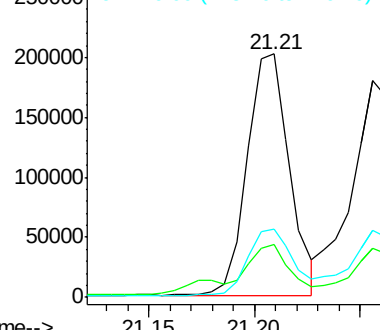
226 27.9 21.0 31.4



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: 4.78 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

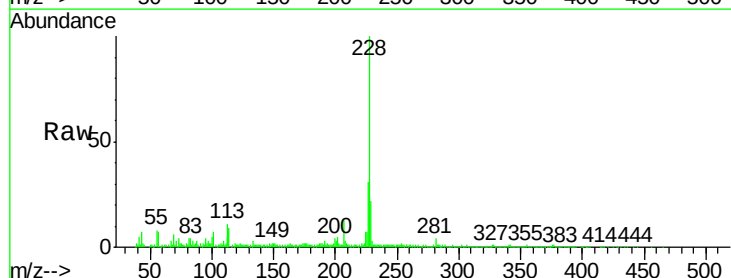
Tgt Ion:228 Resp: 268788

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

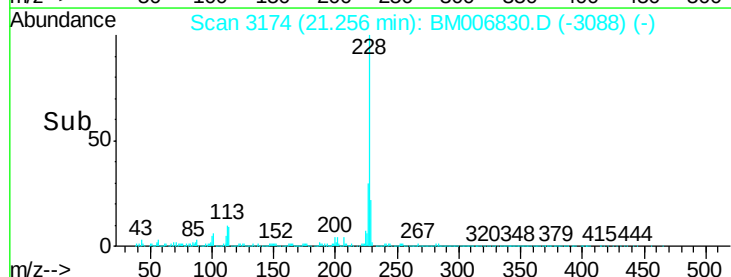
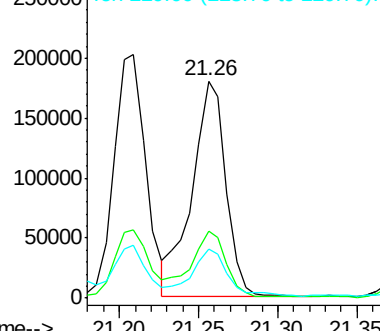
229 22.3 16.2 24.2

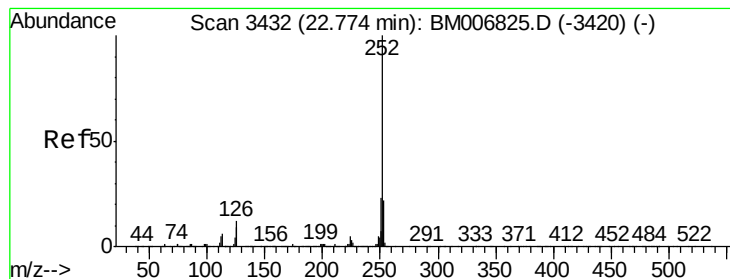


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 5.48 ng/ul

RT: 22.77 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

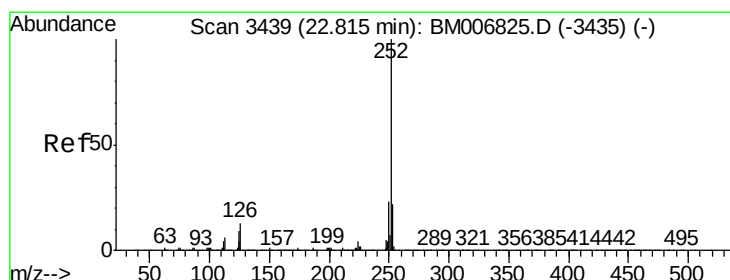
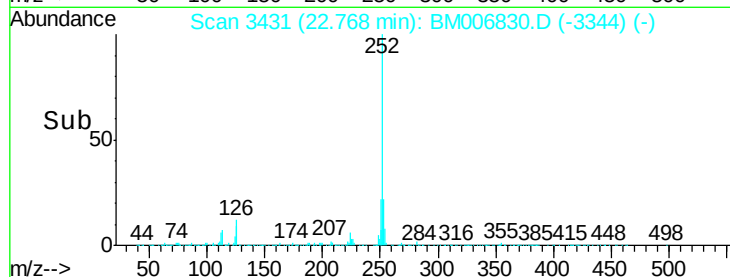
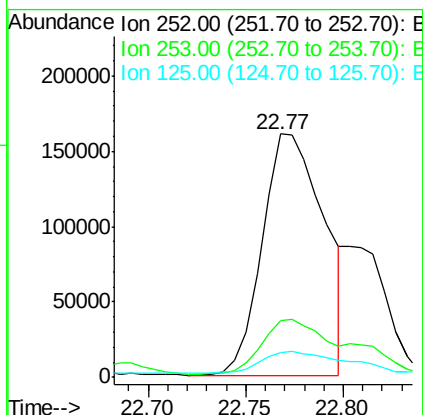
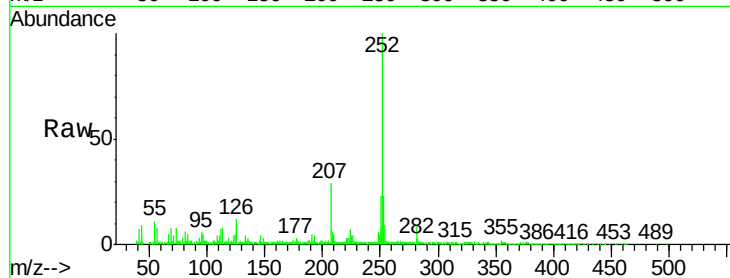
Instrument :

BNA_M

ClientSampleId :

D9ZQ5

Tgt Ion:	252	Resp:	351596
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	10.3	7.6	11.4



#36

Benzo(k)fluoranthene

Concen: 5.66 ng/ul

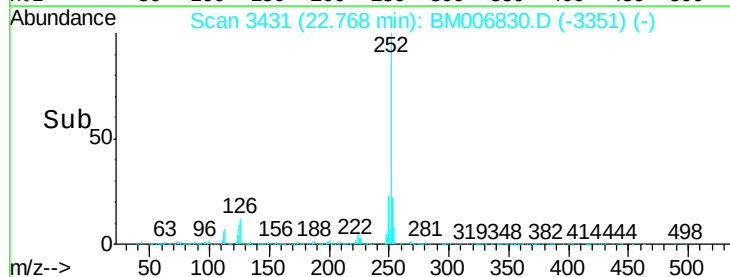
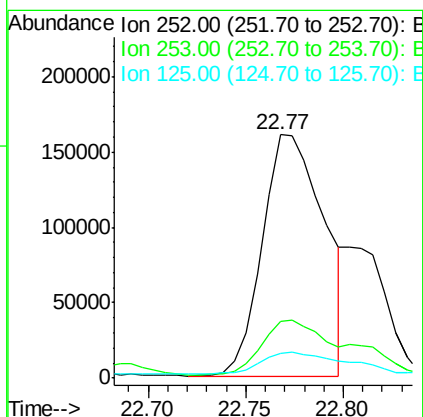
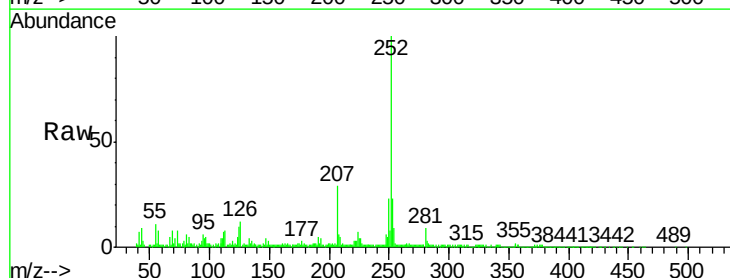
RT: 22.77 min Scan# 3431

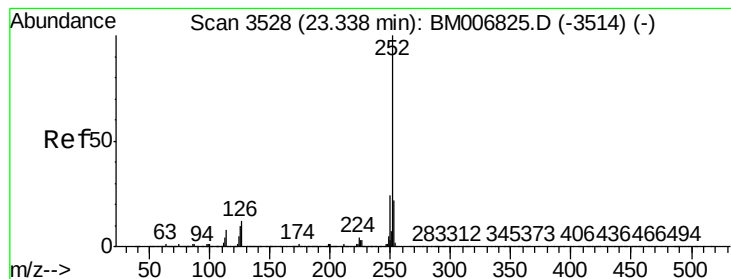
Delta R.T. -0.03 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

Tgt Ion:	252	Resp:	351596
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	10.3	7.7	11.5





#38

Benzo(a)pyrene

Concen: 4.19 ng/ul

RT: 23.33 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

Instrument :

BNA_M

ClientSampleId :

D9ZQ5

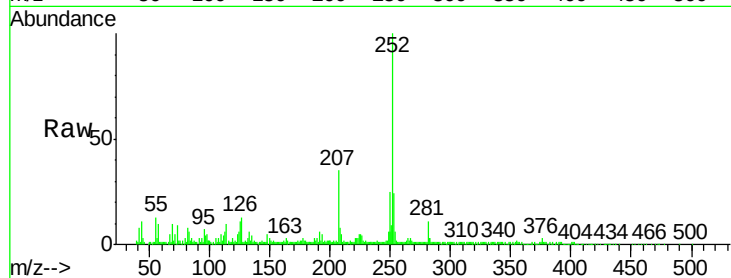
Tgt Ion: 252 Resp: 261811

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

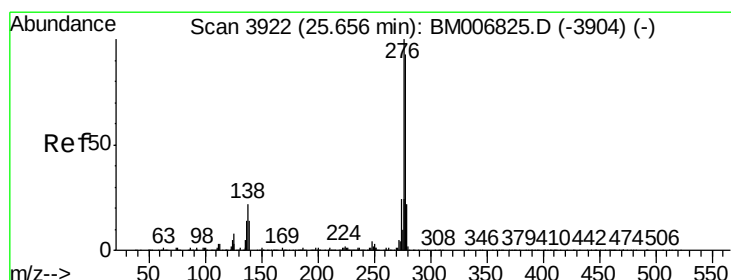
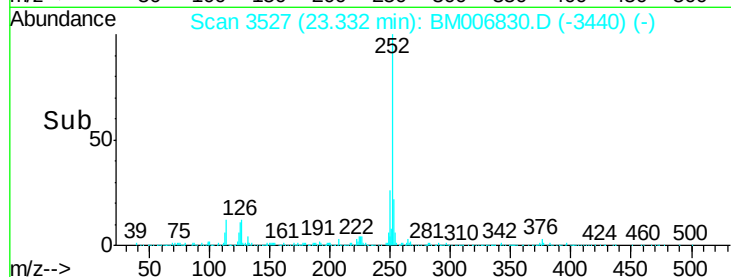
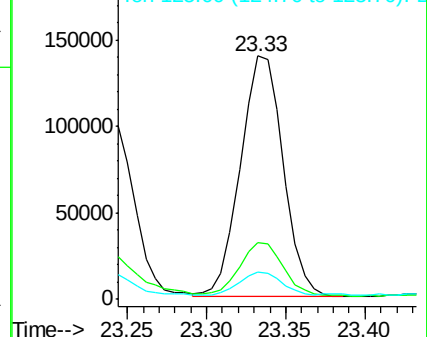
125 11.2 8.2 12.2



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: 2.49 ng/ul

RT: 25.64 min Scan# 3920

Delta R.T. 0.02 min

Lab File: BM006830.D

Acq: 01 Aug 2016 18:27

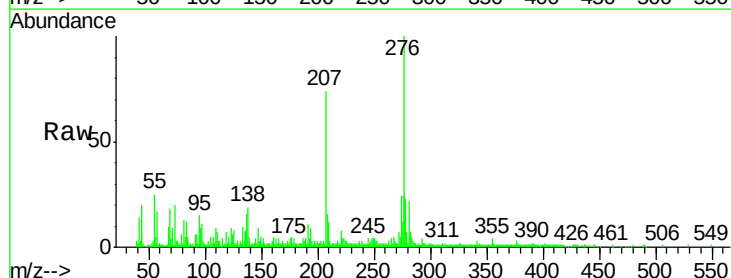
Tgt Ion: 276 Resp: 179888

Ion Ratio Lower Upper

276 100

138 18.7 15.8 23.6

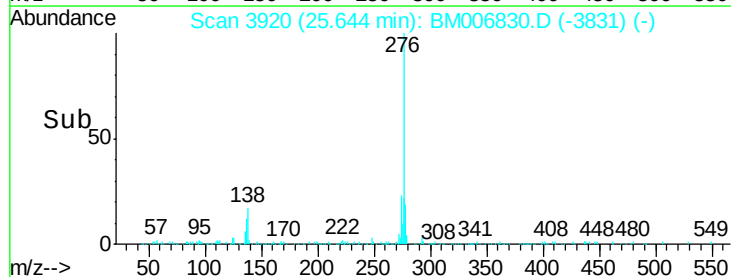
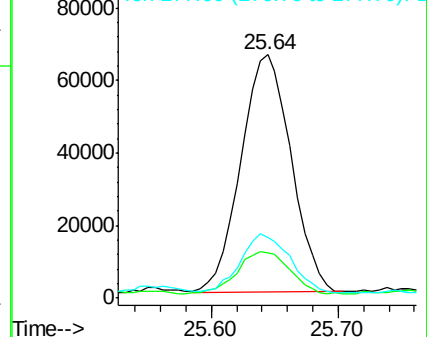
277 24.7 19.0 28.6

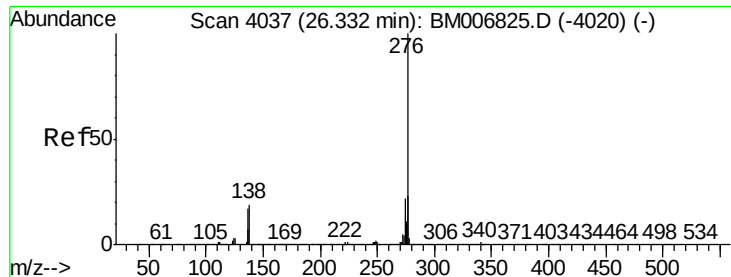


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#41

Benzo(g,h,i)perylene

Concen: 2.82 ng/ul

RT: 26.33 min Scan# 4036

Delta R.T. 0.04 min

Lab File: BM006830.D

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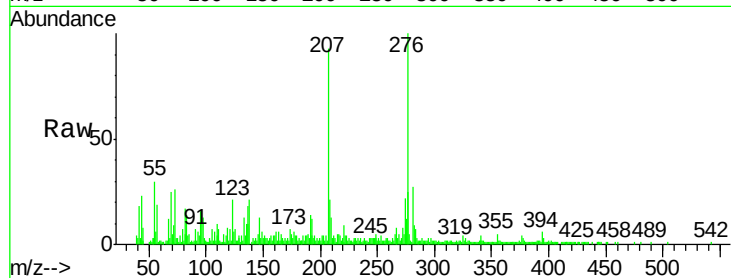
Tgt Ion: 276 Resp: 175058

Ion Ratio Lower Upper

276 100

138 21.1 13.9 20.9#

277 24.7 19.8 29.6



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

