

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005765.D
 Acq On : 13 Jun 2016 01:04
 Operator : UM/SJ
 Sample : H3536-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y26

Quant Time: Jun 13 03:33:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	123757	20.00	ng/ul	0.00
7) Naphthalene-d8	10.54	136	600165	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	325293	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	568608	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	458780	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	476668	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3651	1.28	ng/uL	0.00
3) Phenol-d5	6.93	99	149098	13.96	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	110813	17.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	143287	16.59	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	85264	9.45	ng/ul	0.00
8) Nitrobenzene-d5	8.91	128	75124	17.37	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	82349	16.84	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	145405	16.39	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	75353	7.04	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	500151	18.64	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	628164	19.14	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	28488	7.26	ng/ul	0.00
21) Fluorene-d10	15.39	176	415883	18.31	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	13811	4.70	ng/ul	-0.01
26) Anthracene-d10	17.24	188	522265	19.50	ng/ul	0.00
30) Pyrene-d10	19.53	212	462227	20.97	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	442948	20.37	ng/ul	0.00

Target Compounds

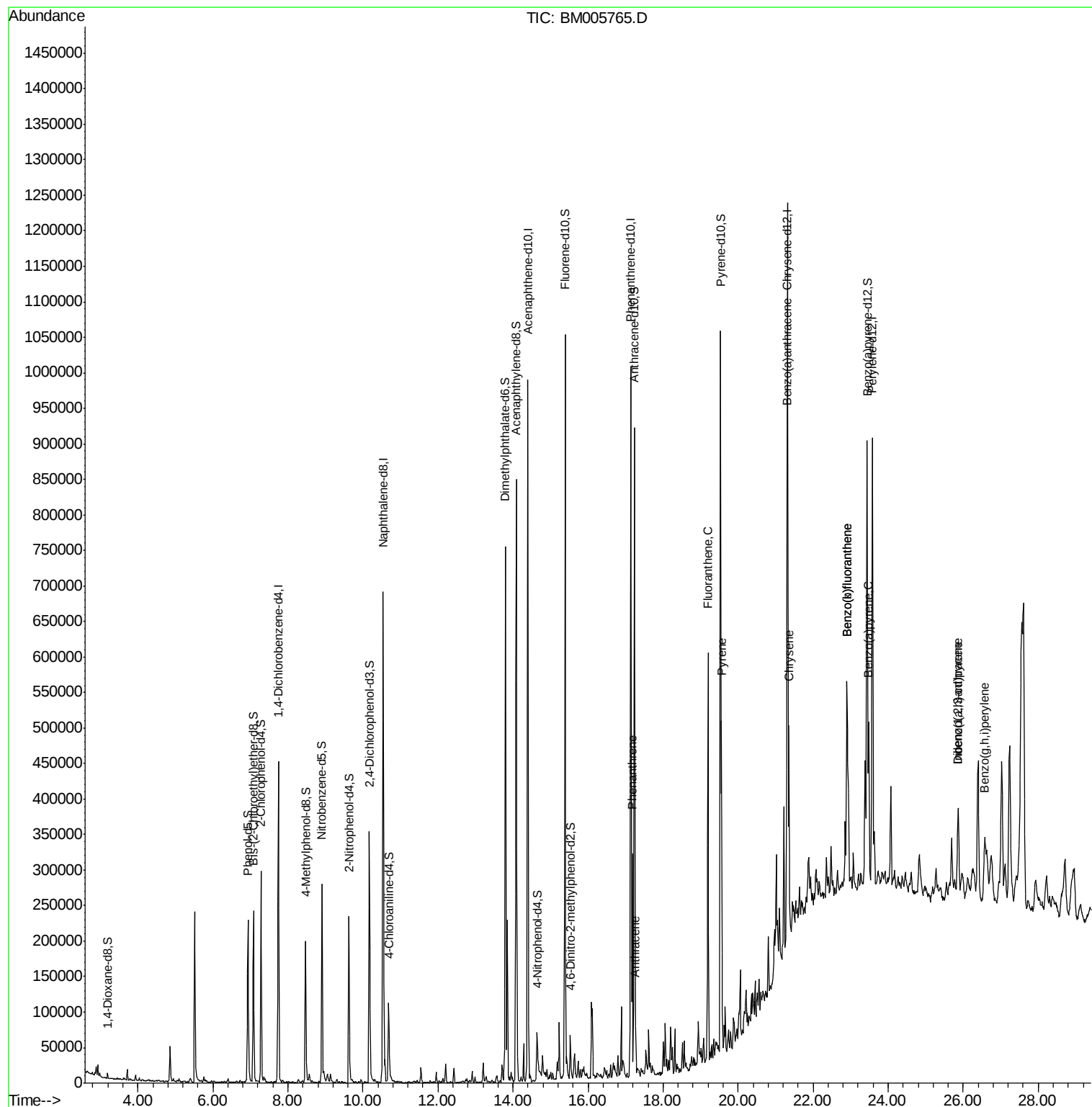
						Qvalue
25) Phenanthrene	17.18	178	187601	6.03	ng/ul	99
27) Anthracene	17.27	178	38820	1.23	ng/ul	98
28) Fluoranthene	19.20	202	334694	9.16	ng/ul	98
31) Pyrene	19.56	202	278058	9.96	ng/ul	99
32) Benzo(a)anthracene	21.30	228	159973	6.04	ng/ul	97
33) Chrysene	21.36	228	166948	6.39	ng/ul	97
35) Benzo(b)fluoranthene	22.90	252	258491	9.13	ng/ul	98
36) Benzo(k)fluoranthene	22.90	252	258491	9.03	ng/ul	97
38) Benzo(a)pyrene	23.48	252	165006	6.14	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.87	276	123857	4.72	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.86	278	32525	1.48	ng/ul#	81
41) Benzo(g,h,i)perylene	26.57	276	112261	5.12	ng/ul	99

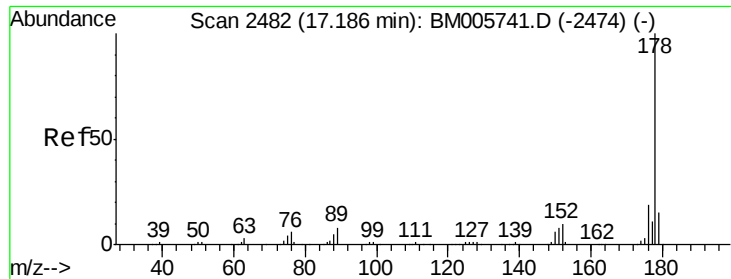
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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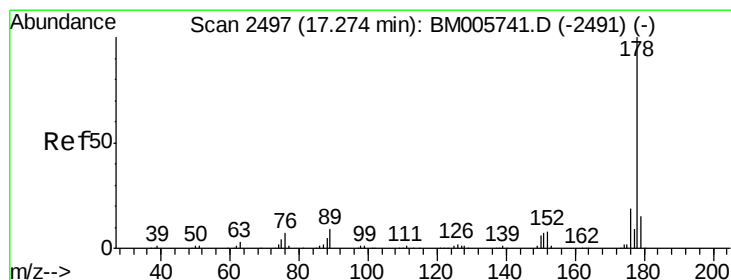
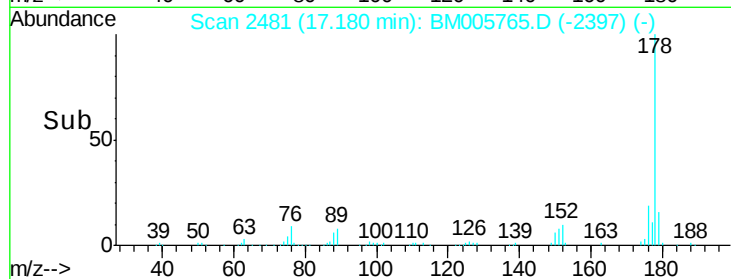
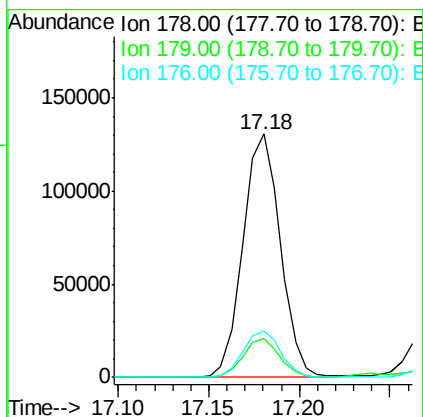
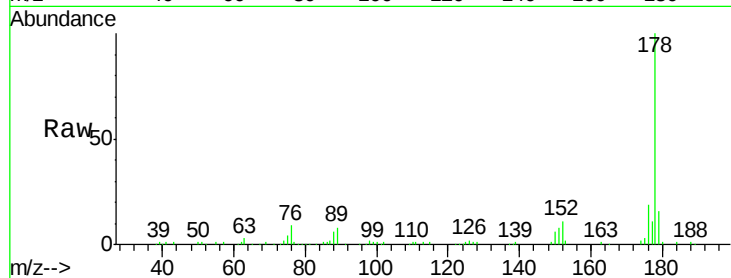




#25
 Phenanthrene
 Concen: 6.03 ng/ul
 RT: 17.18 min Scan# 2481
 Delta R.T. -0.01 min
 Lab File: BM005765.D
 Acq: 13 Jun 2016 01:04

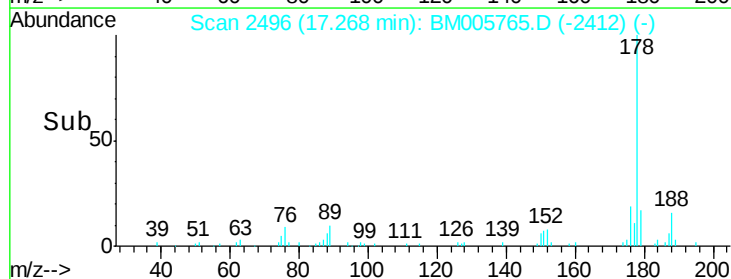
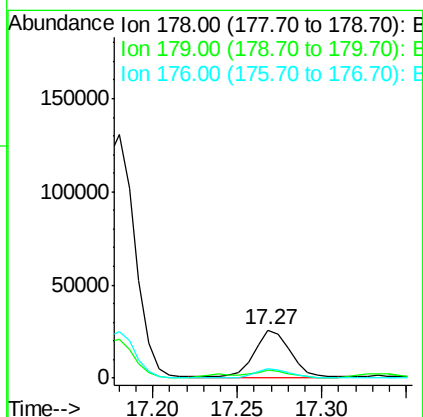
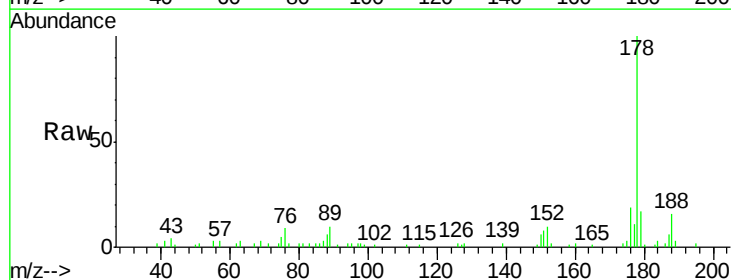
Instrument :
 BNA_M
 ClientSampleId :
 D9Y26

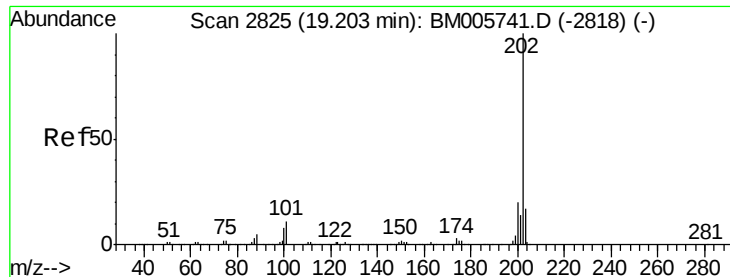
Tgt Ion:178 Resp: 187601
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.4 18.6
 176 19.1 15.8 23.6



#27
 Anthracene
 Concen: 1.23 ng/ul
 RT: 17.27 min Scan# 2496
 Delta R.T. -0.01 min
 Lab File: BM005765.D
 Acq: 13 Jun 2016 01:04

Tgt Ion:178 Resp: 38820
 Ion Ratio Lower Upper
 178 100
 179 17.0 12.1 18.1
 176 18.9 15.0 22.6

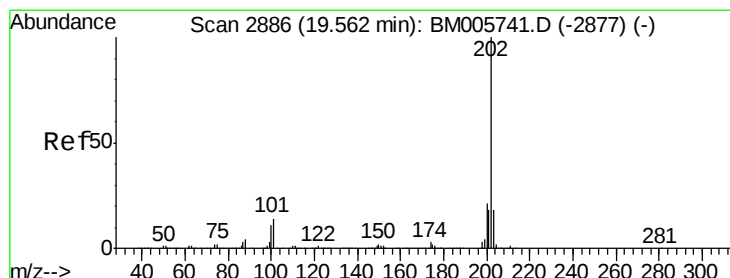
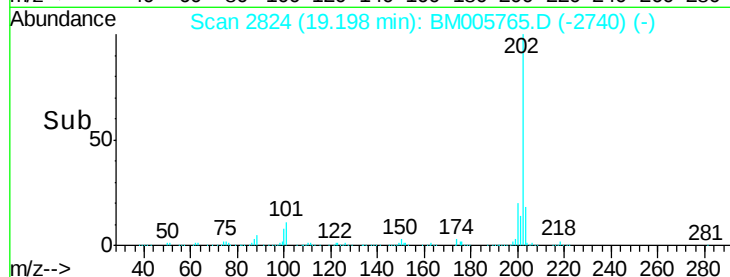
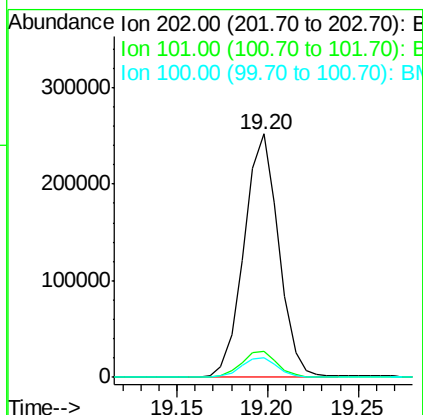
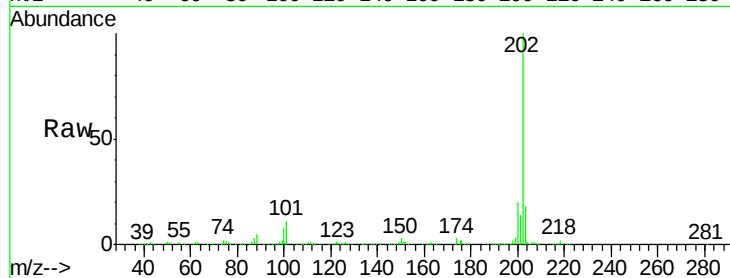




#28
Fluoranthene
Concen: 9.16 ng/ul
RT: 19.20 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM005765.D
Acq: 13 Jun 2016 01:04

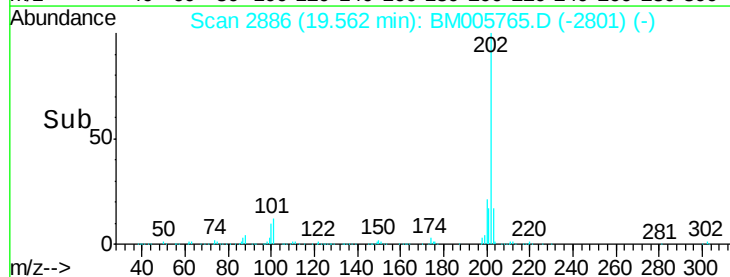
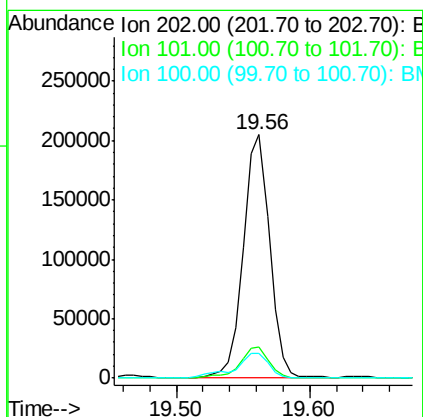
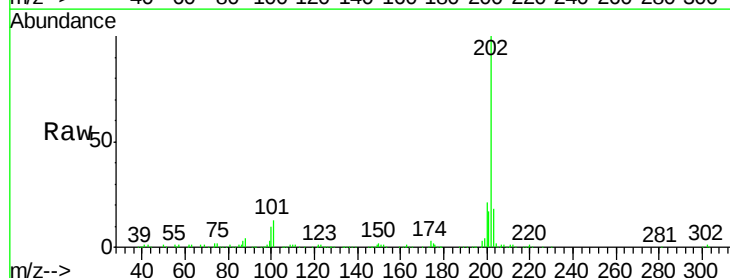
Instrument :
BNA_M
ClientSampleId :
D9Y26

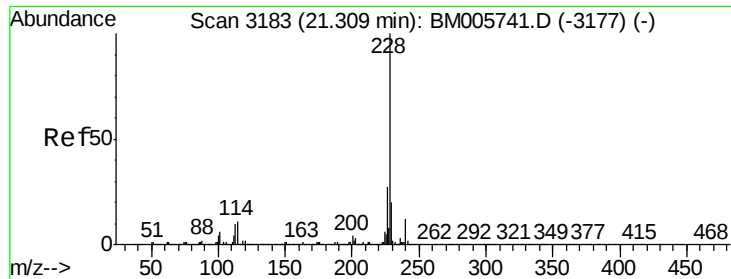
Tgt Ion:202 Resp: 334694
Ion Ratio Lower Upper
202 100
101 10.8 9.4 14.2
100 8.1 6.9 10.3



#31
Pyrene
Concen: 9.96 ng/ul
RT: 19.56 min Scan# 2886
Delta R.T. 0.00 min
Lab File: BM005765.D
Acq: 13 Jun 2016 01:04

Tgt Ion:202 Resp: 278058
Ion Ratio Lower Upper
202 100
101 12.6 10.6 15.8
100 10.3 8.4 12.6





#32

Benzo(a)anthracene

Concen: 6.04 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

Instrument :

BNA_M

ClientSampleId :

D9Y26

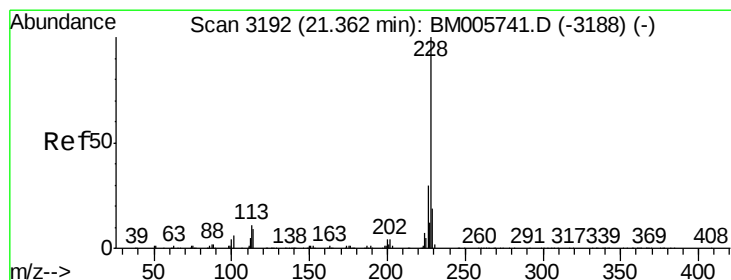
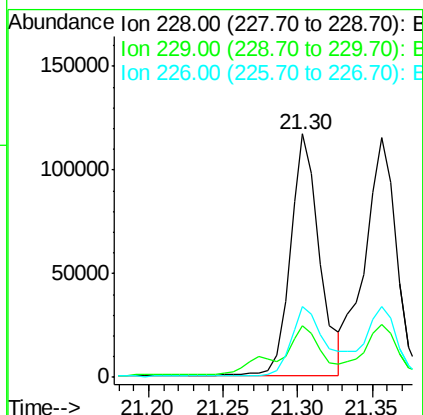
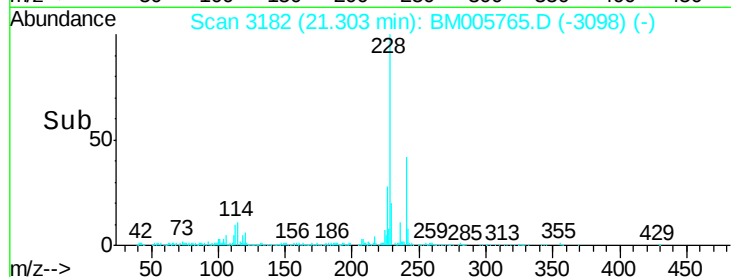
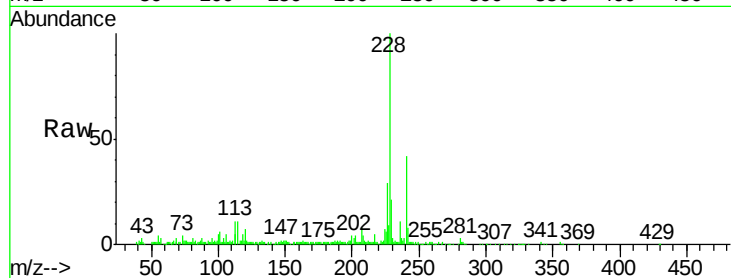
Tgt Ion:228 Resp: 159973

Ion Ratio Lower Upper

228 100

229 21.3 16.1 24.1

226 28.8 22.1 33.1



#33

Chrysene

Concen: 6.39 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

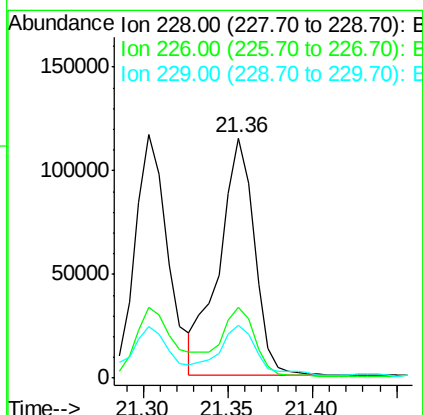
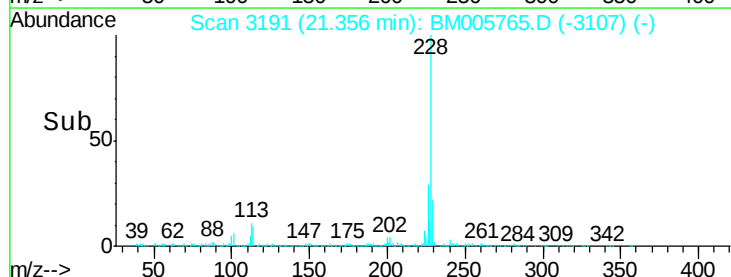
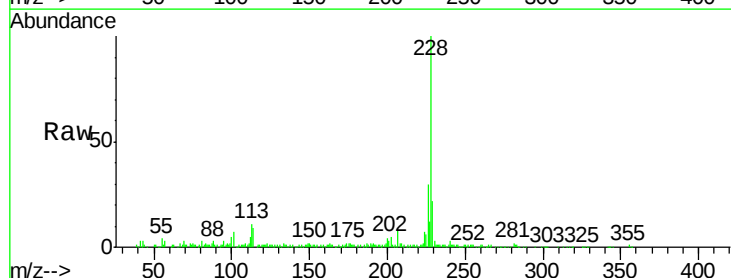
Tgt Ion:228 Resp: 166948

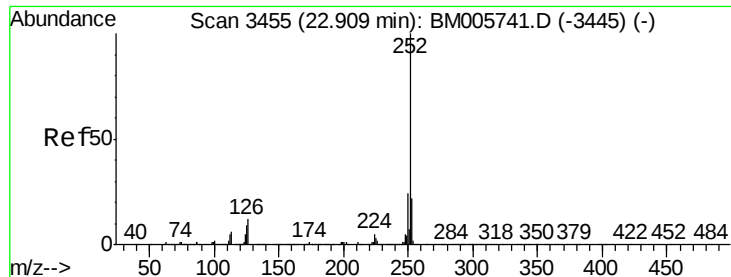
Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 22.2 15.8 23.8





#35

Benzo(b)fluoranthene

Concen: 9.13 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

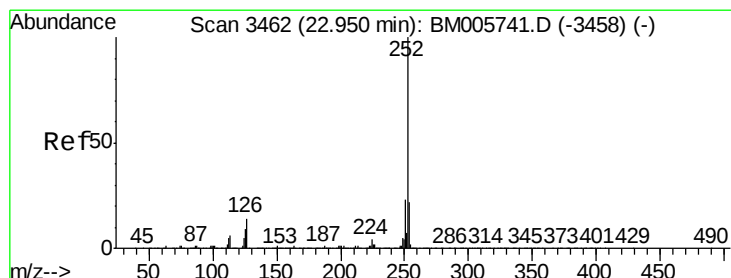
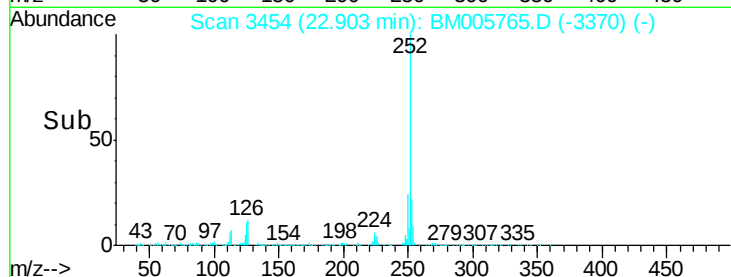
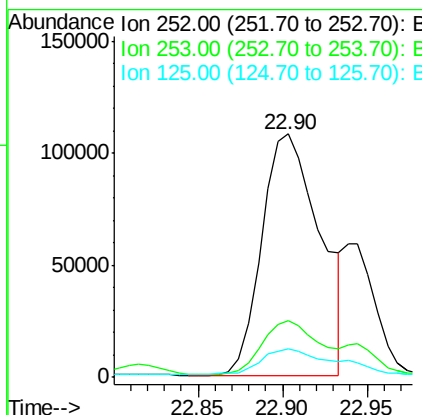
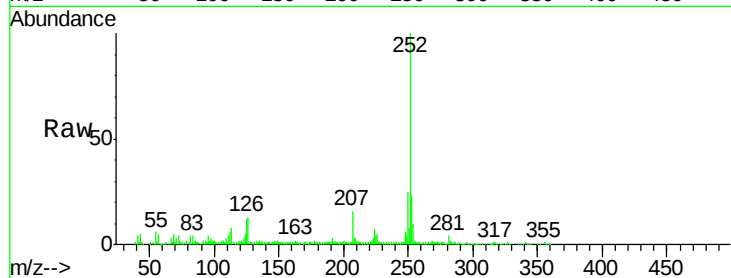
Instrument :

BNA_M

ClientSampleId :

D9Y26

Tgt Ion:	252	Resp:	258491
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	11.6	8.4	12.6



#36

Benzo(k)fluoranthene

Concen: 9.03 ng/ul

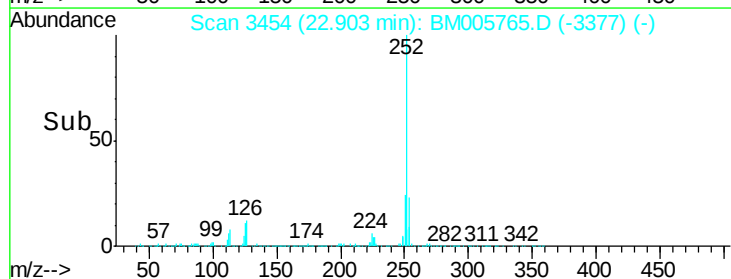
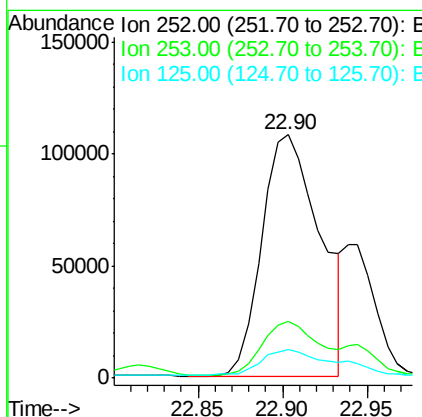
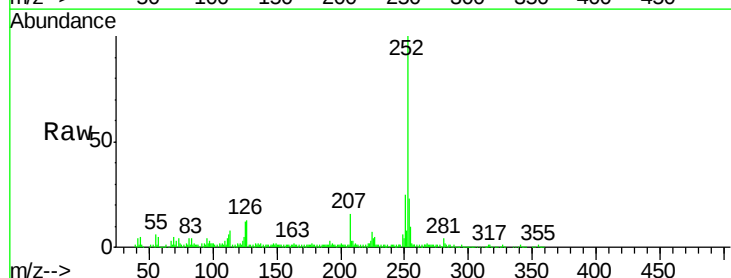
RT: 22.90 min Scan# 3454

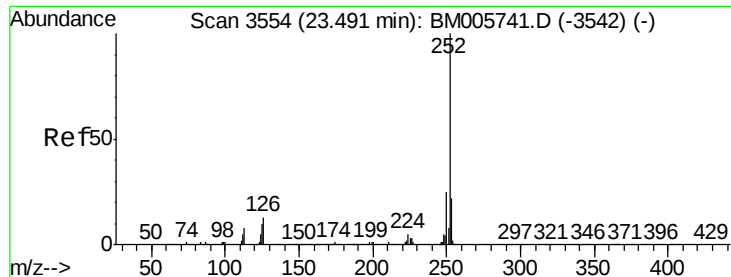
Delta R.T. -0.05 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

Tgt Ion:	252	Resp:	258491
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	11.6	8.2	12.2





#38

Benzo(a)pyrene

Concen: 6.14 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

Instrument :

BNA_M

ClientSampleId :

D9Y26

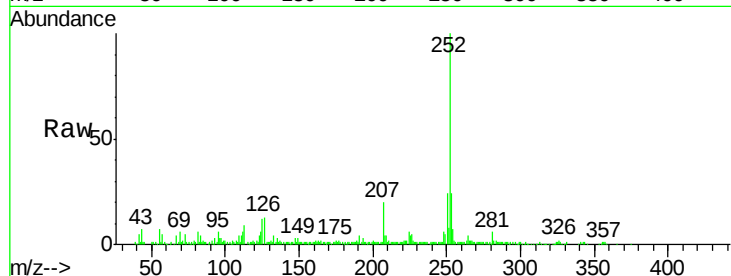
Tgt Ion:252 Resp: 165006

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

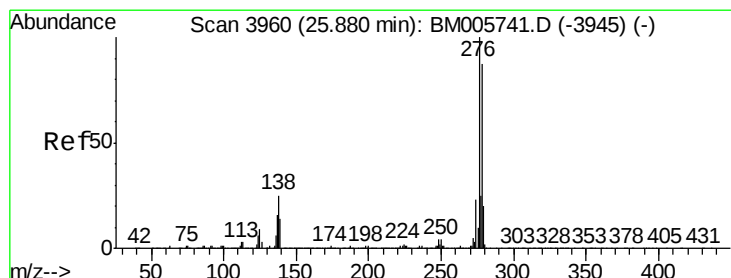
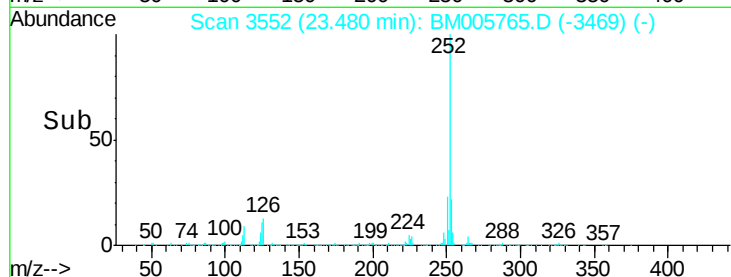
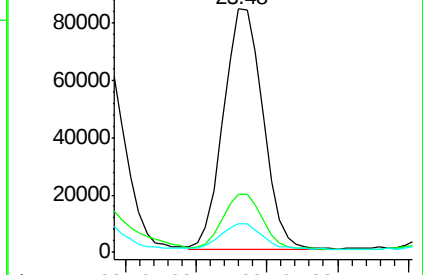
125 11.8 9.1 13.7



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: 4.72 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

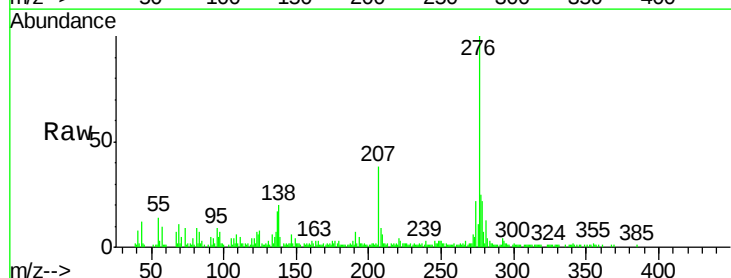
Tgt Ion:276 Resp: 123857

Ion Ratio Lower Upper

276 100

138 20.4 21.4 32.2#

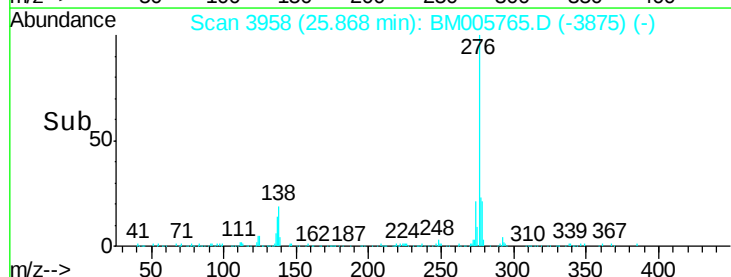
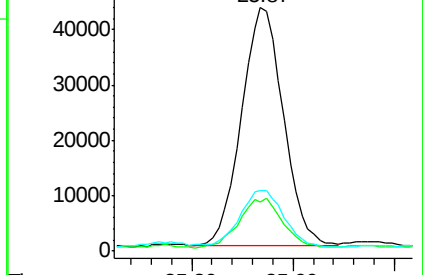
277 24.7 20.5 30.7

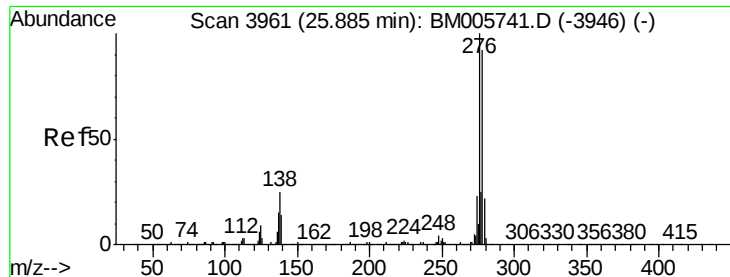


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.48 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BM005765.D

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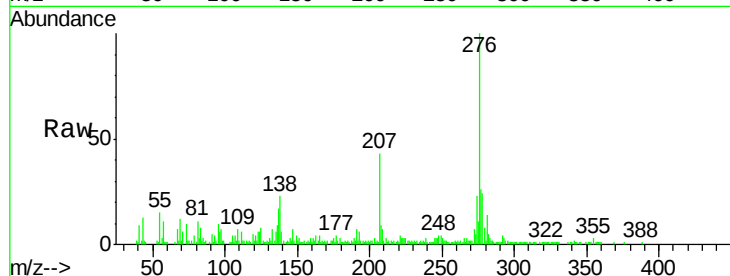
Tgt Ion: 278 Resp: 32525

Ion Ratio Lower Upper

278 100

139 26.1 14.2 21.4#

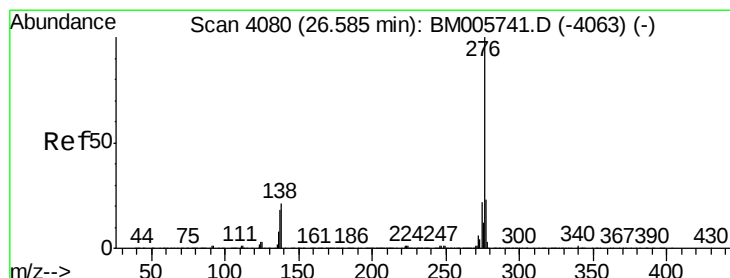
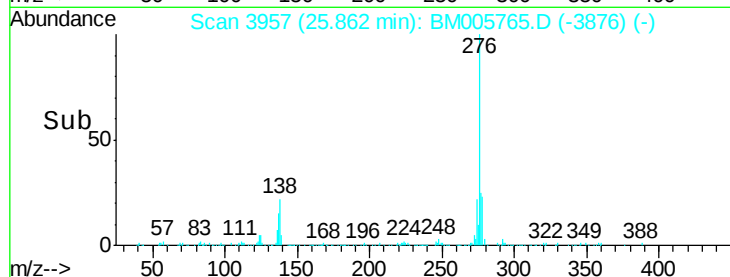
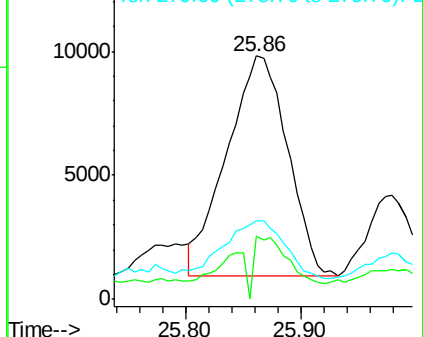
279 32.5 18.8 28.2#



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



#41

Benzo(g,h,i)perylene

Concen: 5.12 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. -0.01 min

Lab File: BM005765.D

Acq: 13 Jun 2016 01:04

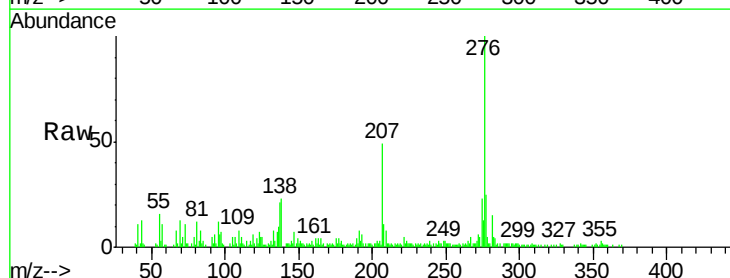
Tgt Ion: 276 Resp: 112261

Ion Ratio Lower Upper

276 100

138 23.1 18.2 27.4

277 25.3 19.5 29.3



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

