

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005767.D
 Acq On : 13 Jun 2016 02:16
 Operator : UM/SJ
 Sample : H3536-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y30

Quant Time: Jun 13 03:33:33 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	108754	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	538678	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	296976	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	522294	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	413601	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	425725	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	2752	1.10	ng/uL	0.00
3) Phenol-d5	6.93	99	121832	12.98	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	90867	16.11	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	116635	15.37	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	83683	10.55	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	62248	16.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	68545	15.62	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	123475	15.51	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	87558	9.11	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	414800	16.93	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	530224	17.69	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	21123	5.89	ng/ul	0.00
21) Fluorene-d10	15.39	176	346611	16.71	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	7386	2.73	ng/ul	0.00
26) Anthracene-d10	17.23	188	432297	17.57	ng/ul	0.00
30) Pyrene-d10	19.53	212	382407	19.24	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	363165	18.70	ng/ul	-0.01

Target Compounds

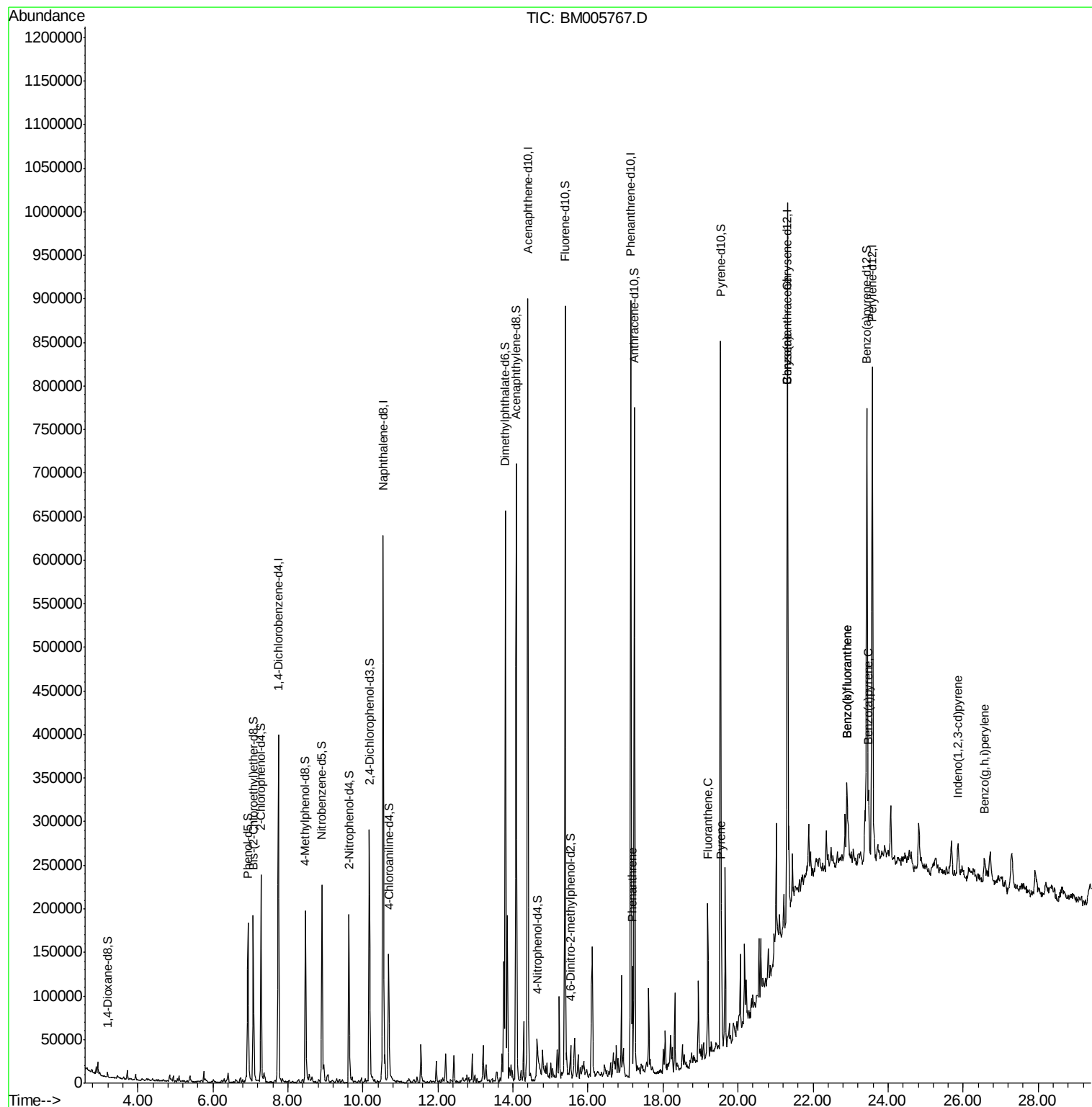
						Qvalue
25) Phenanthrene	17.18	178	72996	2.55	ng/ul	99
28) Fluoranthene	19.19	202	98256	2.93	ng/ul	100
31) Pyrene	19.56	202	84821	3.37	ng/ul	98
32) Benzo(a)anthracene	21.30	228	44799	1.88	ng/ul	95
33) Chrysene	21.30	228	44799	1.90	ng/ul	96
35) Benzo(b)fluoranthene	22.90	252	74409	2.94	ng/ul	97
36) Benzo(k)fluoranthene	22.90	252	74409	2.91	ng/ul#	96
38) Benzo(a)pyrene	23.48	252	46876	1.95	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	25.86	276	36540	1.56	ng/ul	92
41) Benzo(g,h,i)perylene	26.57	276	34416	1.76	ng/ul	95

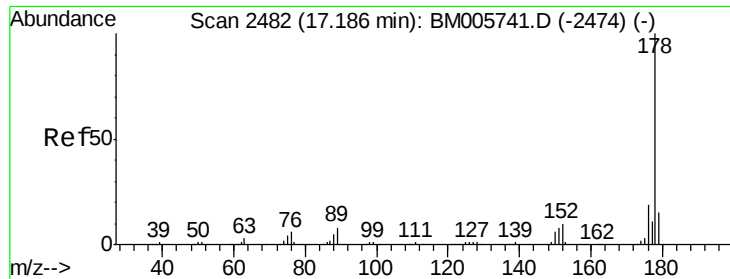
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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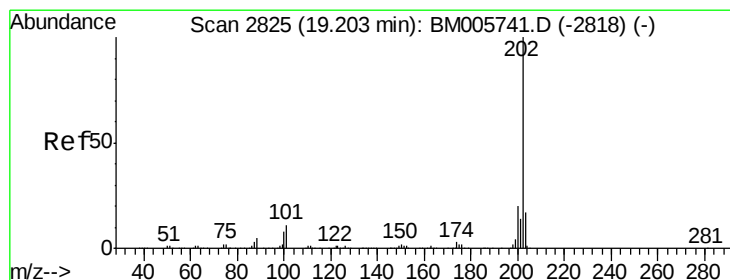
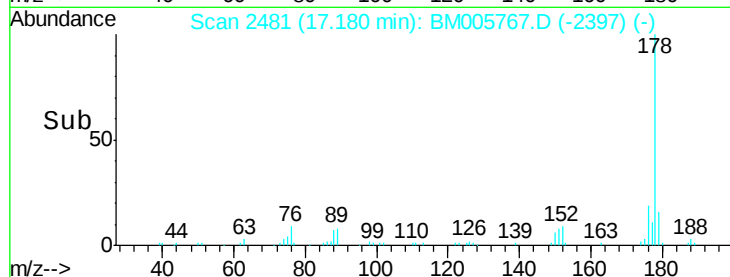
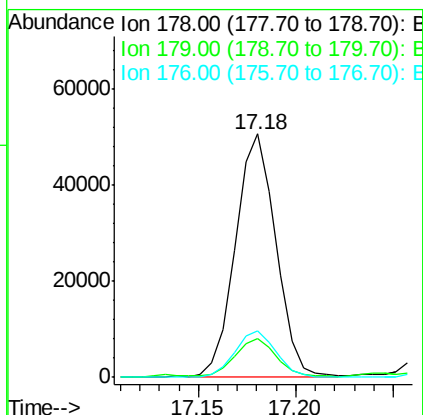
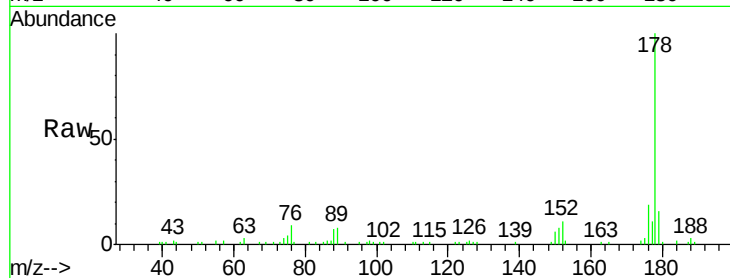




#25
Phenanthrene
Concen: 2.55 ng/ul
RT: 17.18 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

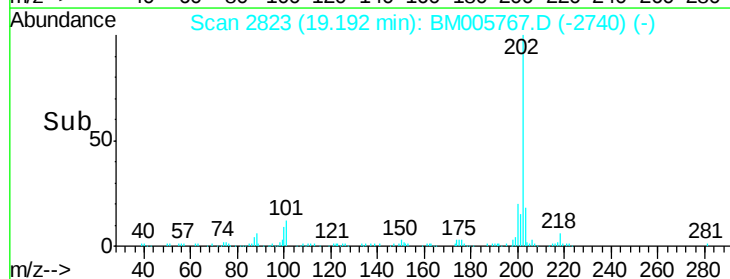
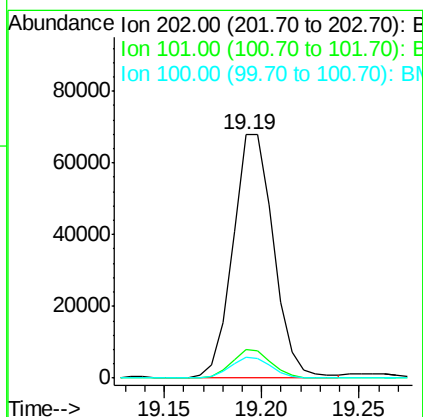
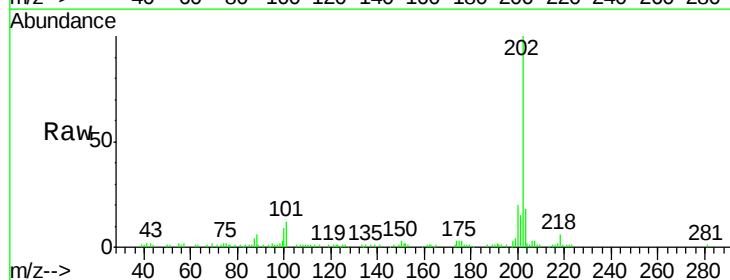
Instrument :
BNA_M
ClientSampleId :
D9Y30

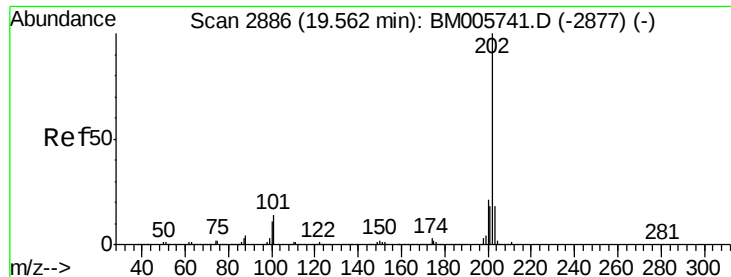
Tgt Ion:178 Resp: 72996
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 19.2 15.8 23.6



#28
Fluoranthene
Concen: 2.93 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM005767.D
Acq: 13 Jun 2016 02:16

Tgt Ion:202 Resp: 98256
Ion Ratio Lower Upper
202 100
101 12.0 9.4 14.2
100 8.6 6.9 10.3





#31

Pyrene

Concen: 3.37 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

Instrument :

BNA_M

ClientSampleId :

D9Y30

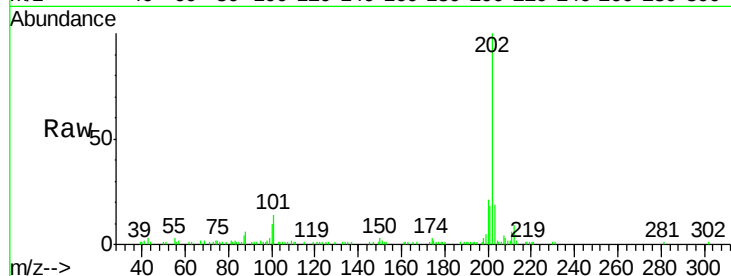
Tgt Ion:202 Resp: 84821

Ion Ratio Lower Upper

202 100

101 14.5 10.6 15.8

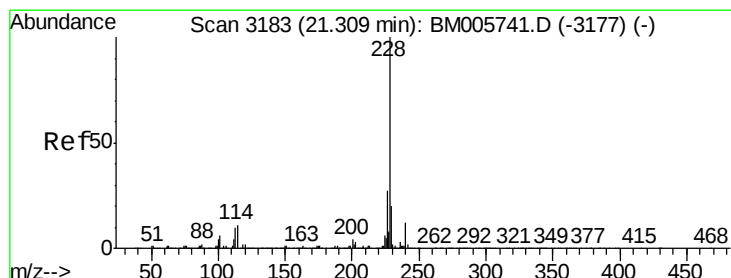
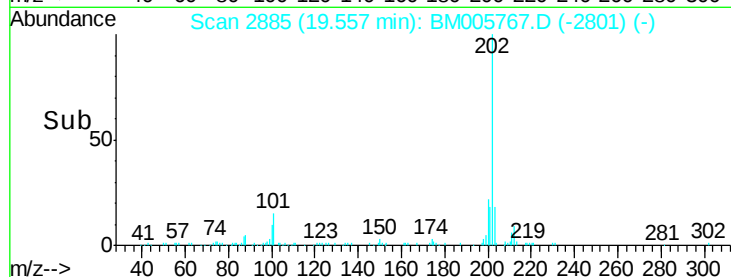
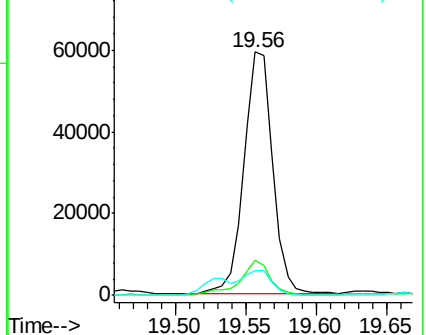
100 10.0 8.4 12.6



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: 1.88 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

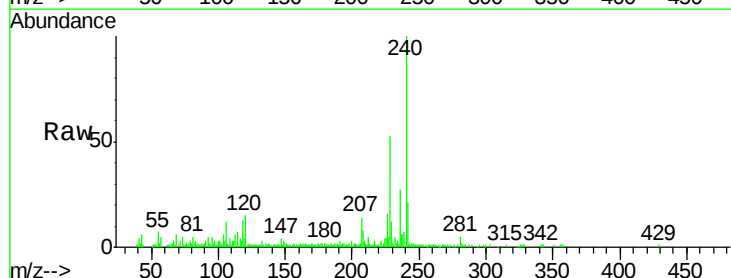
Tgt Ion:228 Resp: 44799

Ion Ratio Lower Upper

228 100

229 23.2 16.1 24.1

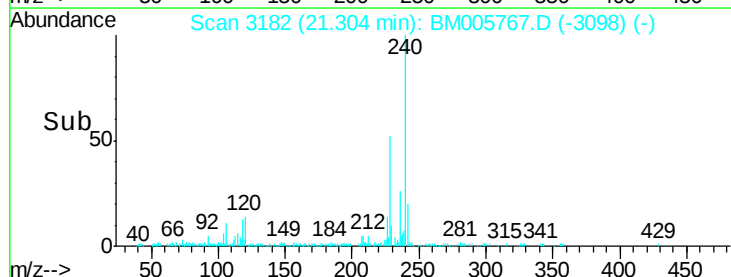
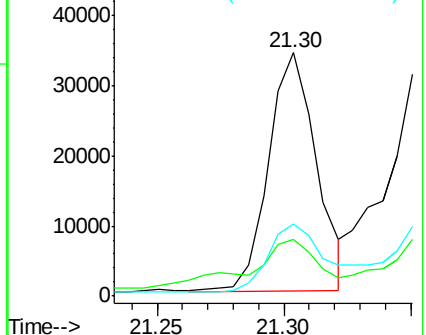
226 29.5 22.1 33.1

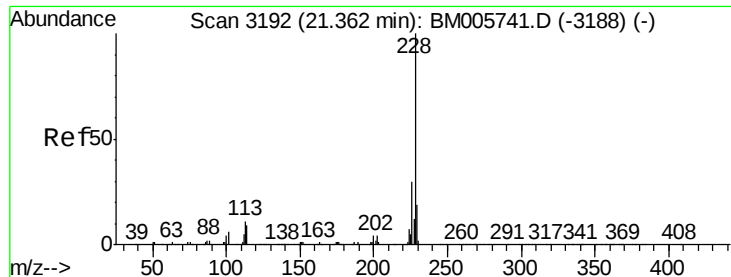


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 1.90 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.06 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

Instrument :

BNA_M

ClientSampleId :

D9Y30

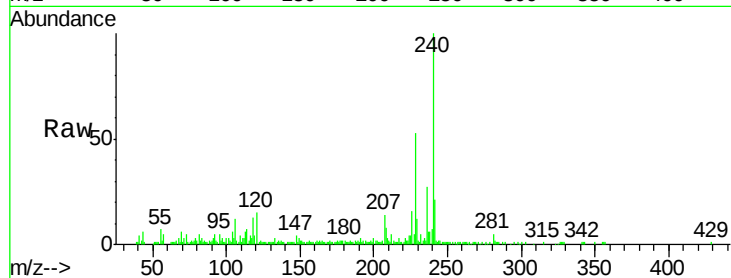
Tgt Ion:228 Resp: 44799

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

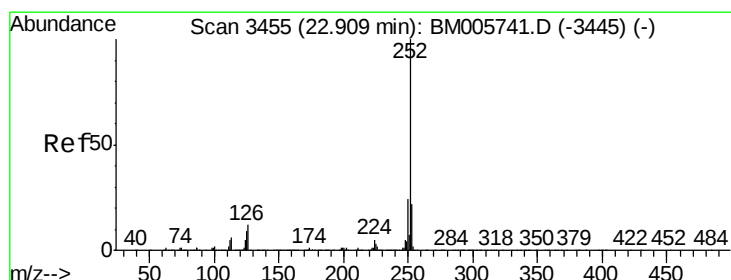
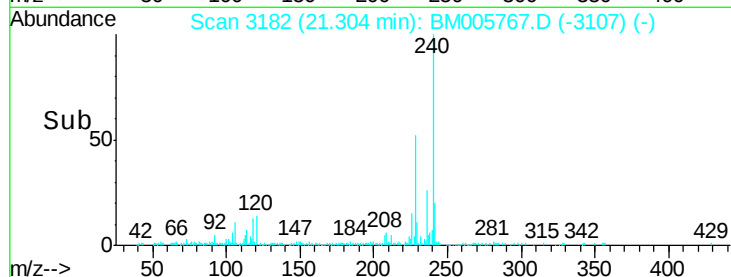
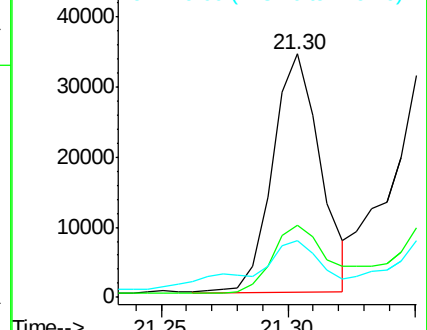
229 23.2 15.8 23.8



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: 2.94 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.01 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

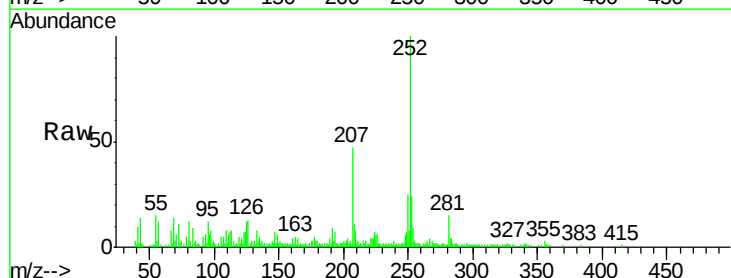
Tgt Ion:252 Resp: 74409

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

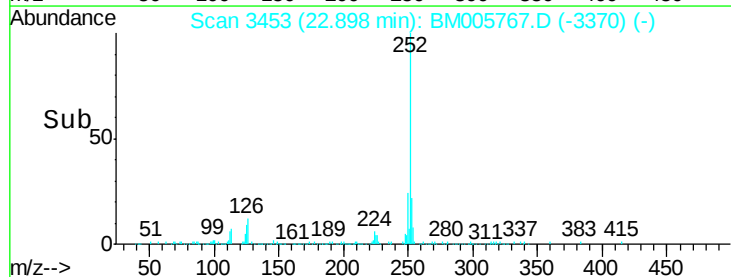
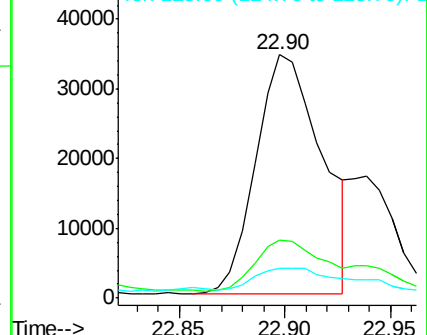
125 12.3 8.4 12.6

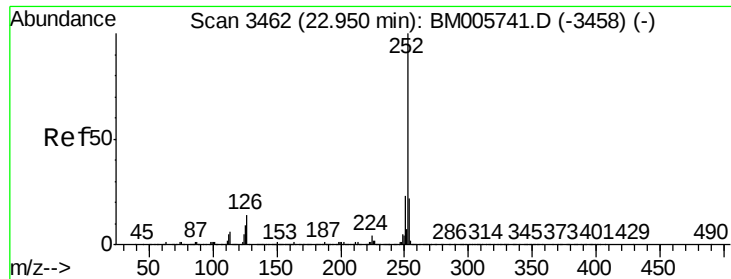


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 2.91 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.05 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

Instrument :

BNA_M

ClientSampleId :

D9Y30

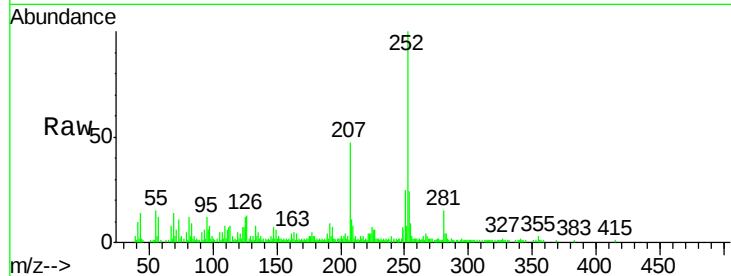
Tgt Ion:252 Resp: 74409

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

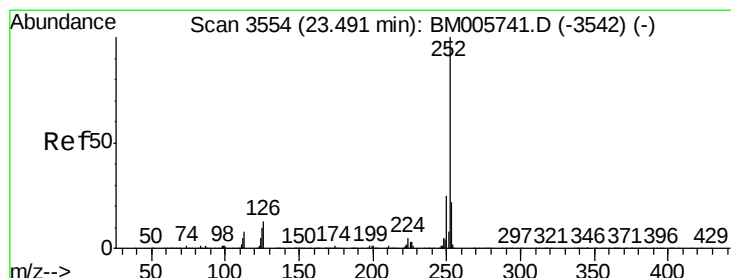
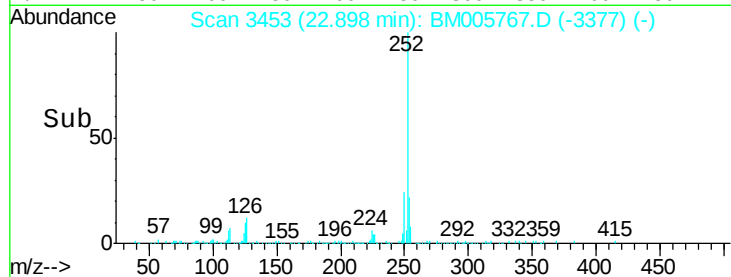
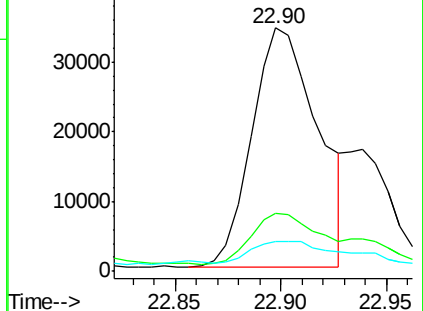
125 12.3 8.2 12.2#



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



#38

Benzo(a)pyrene

Concen: 1.95 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

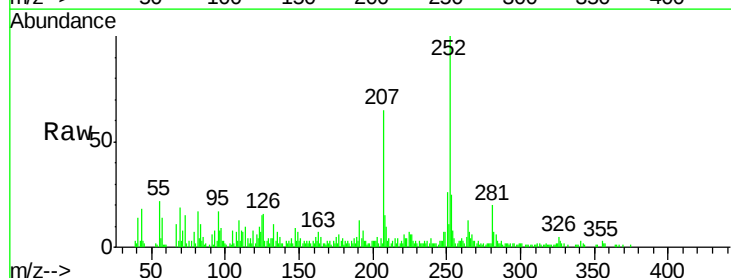
Tgt Ion:252 Resp: 46876

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

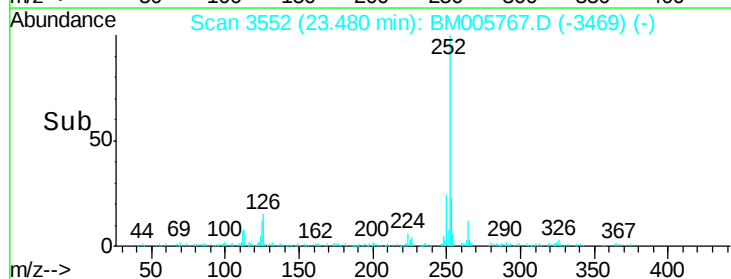
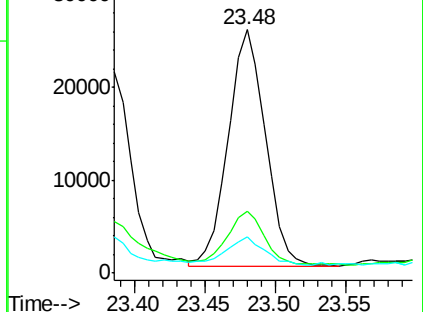
125 15.1 9.1 13.7#

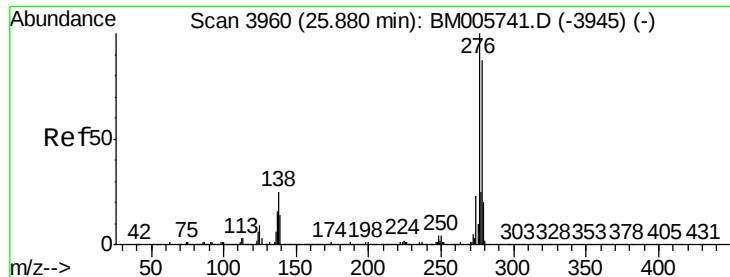


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.56 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

Instrument :

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ClientSampleId :

D9Y30

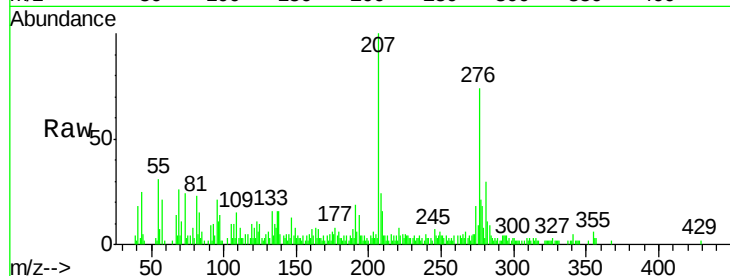
Tgt Ion:276 Resp: 36540

Ion Ratio Lower Upper

276 100

138 21.9 21.4 32.2

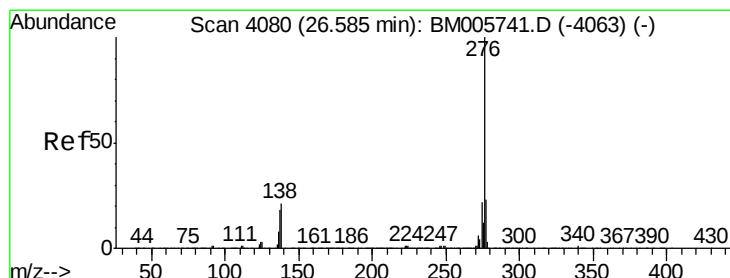
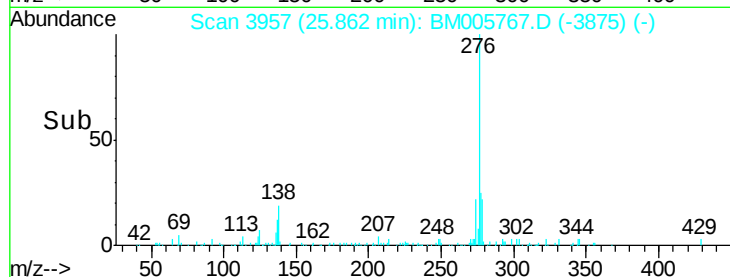
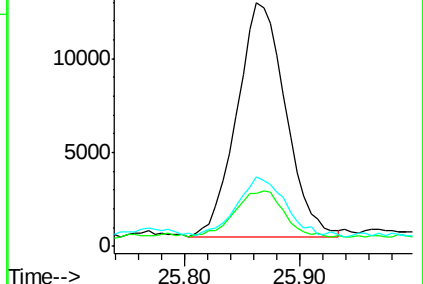
277 28.5 20.5 30.7



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



#41

Benzo(g,h,i)perylene

Concen: 1.76 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.02 min

Lab File: BM005767.D

Acq: 13 Jun 2016 02:16

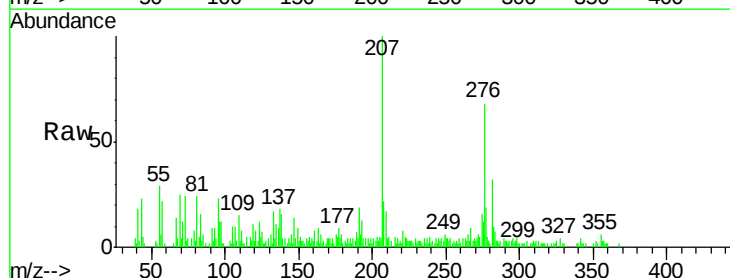
Tgt Ion:276 Resp: 34416

Ion Ratio Lower Upper

276 100

138 24.2 18.2 27.4

277 28.2 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

