

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005757.D
 Acq On : 12 Jun 2016 20:15
 Operator : UM/SJ
 Sample : H3536-04MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y15MS

Quant Time: Jun 13 03:31:44 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	104043	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	536425	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	310582	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	650179	20.00	ng/ul	-0.01
29) Chrysene-d12	21.32	240	466825	20.00	ng/ul	-0.01
34) Perylene-d12	23.57	264	448868	20.00	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3242	1.35	ng/uL	0.00
3) Phenol-d5	6.93	99	166599	18.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	102034	18.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	143034	19.70	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	120171	15.84	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	70480	18.23	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	85456	19.55	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	163798	20.66	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	560257	58.56	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	513998	20.07	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	678326	21.64	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	50880	13.58	ng/ul	-0.01
21) Fluorene-d10	15.39	176	463317	21.36	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	33211	9.88	ng/ul	-0.01
26) Anthracene-d10	17.23	188	646696	21.12	ng/ul	0.00
30) Pyrene-d10	19.53	212	588121	26.22	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	457583	22.35	ng/ul	-0.01

Target Compounds

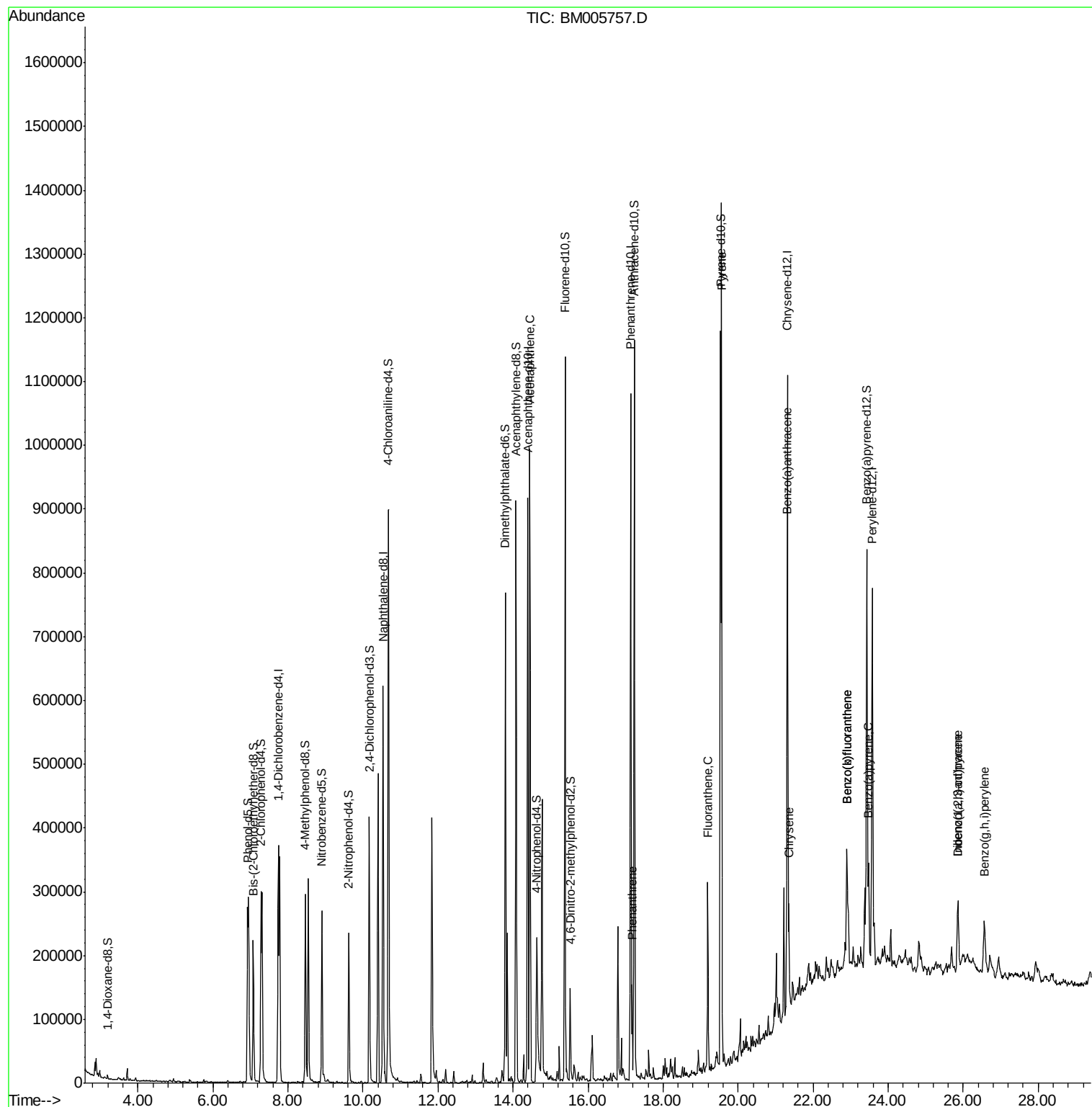
						Qvalue
19) Acenaphthene	14.45	153	412312	19.75	ng/ul	99
25) Phenanthrene	17.17	178	83251	2.34	ng/ul	99
28) Fluoranthene	19.19	202	172655	4.13	ng/ul	99
31) Pyrene	19.56	202	807967	28.44	ng/ul	100
32) Benzo(a)anthracene	21.30	228	83864	3.11	ng/ul	99
33) Chrysene	21.36	228	93896	3.53	ng/ul	97
35) Benzo(b)fluoranthene	22.90	252	165974	6.22	ng/ul	100
36) Benzo(k)fluoranthene	22.90	252	165974	6.16	ng/ul	98
38) Benzo(a)pyrene	23.48	252	115847	4.58	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.86	276	99163	4.01	ng/ul	95
40) Dibenzo(a,h)anthracene	25.86	278	24289	1.18	ng/ul#	86
41) Benzo(g,h,i)perylene	26.57	276	102833	4.98	ng/ul	98

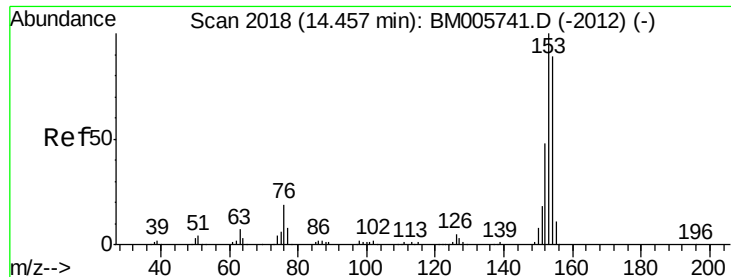
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 13 03:29:45 2016
Response via : Initial Calibration





#19

Acenaphthene

Concen: 19.75 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

Instrument :

BNA_M

ClientSampleId :

D9Y15MS

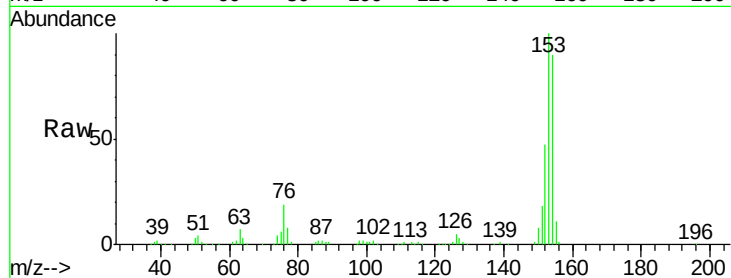
Tgt Ion:153 Resp: 412312

Ion Ratio Lower Upper

153 100

152 47.3 38.8 58.2

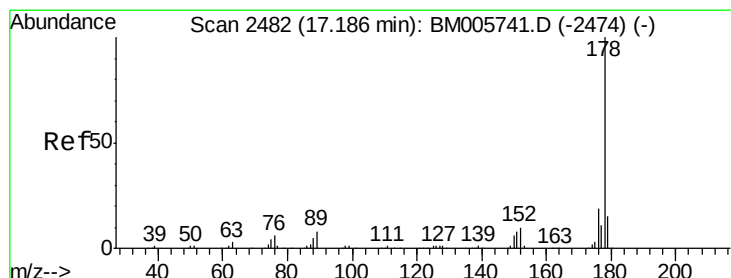
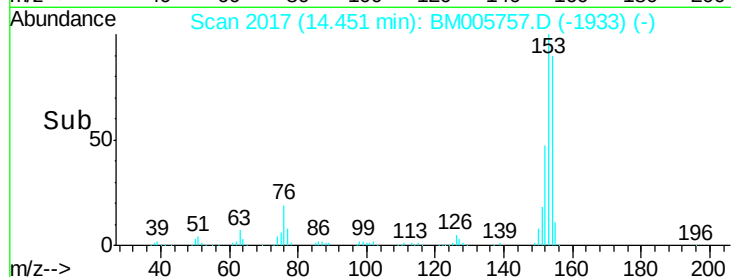
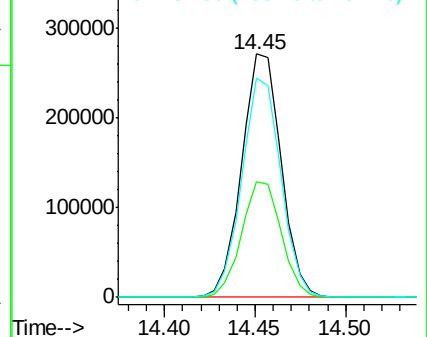
154 89.9 72.5 108.7



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#25

Phenanthrene

Concen: 2.34 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

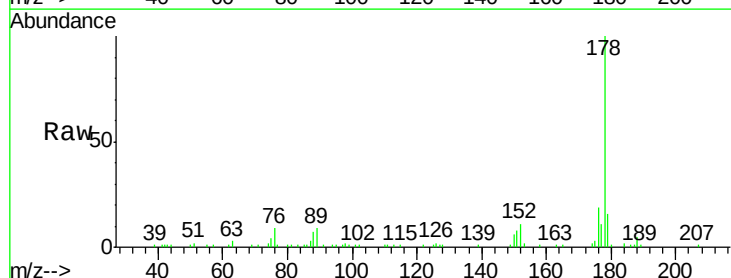
Tgt Ion:178 Resp: 83251

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

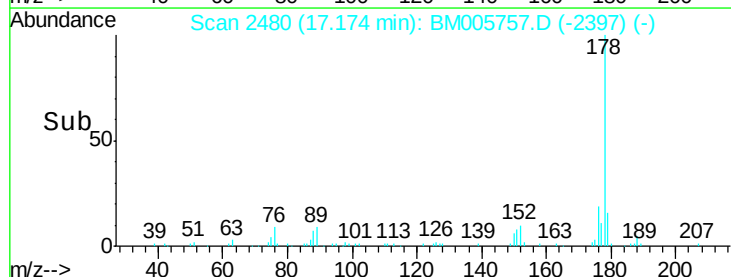
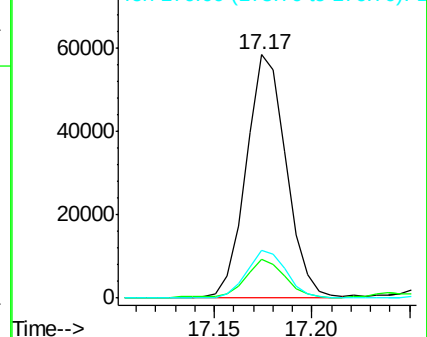
176 19.5 15.8 23.6

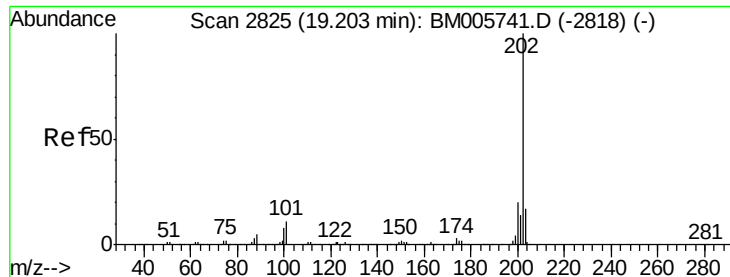


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

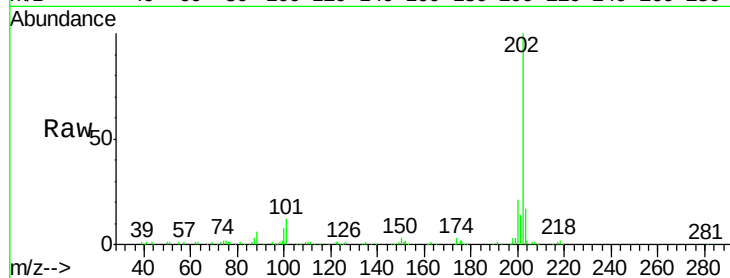




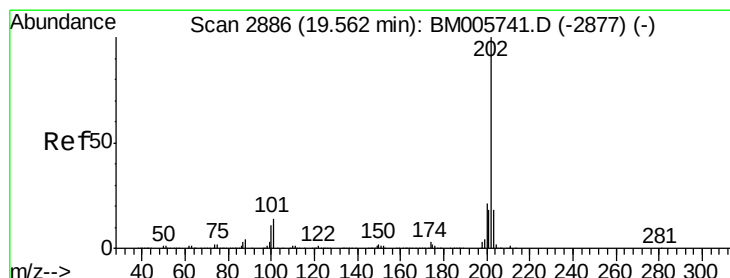
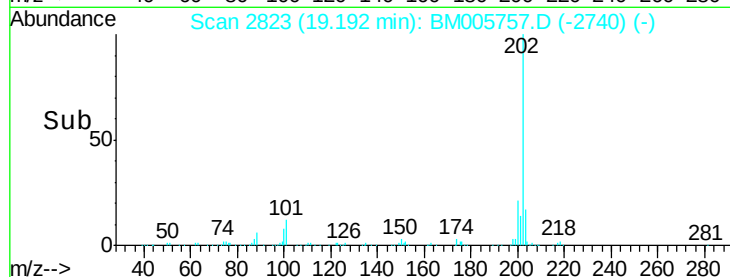
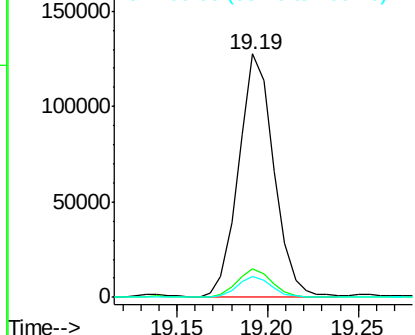
#28
Fluoranthene
Concen: 4.13 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM005757.D
Acq: 12 Jun 2016 20:15

Instrument :
BNA_M
ClientSampleId :
D9Y15MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.4	14.2
100	8.3	6.9	10.3

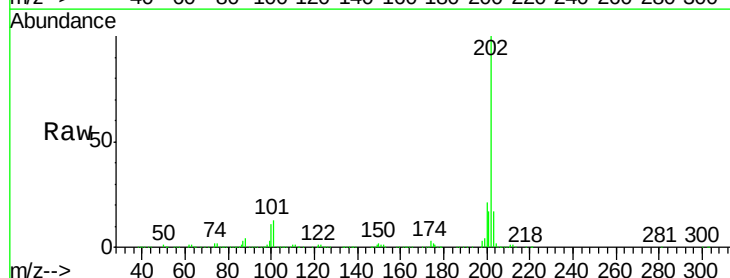


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

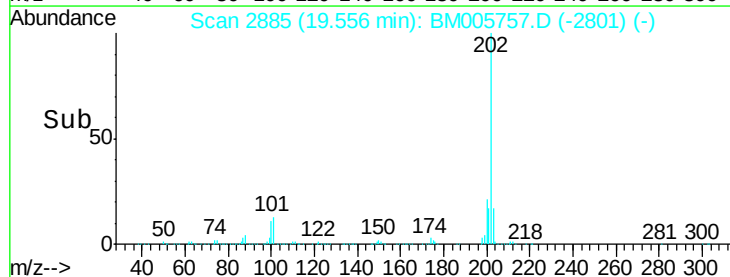
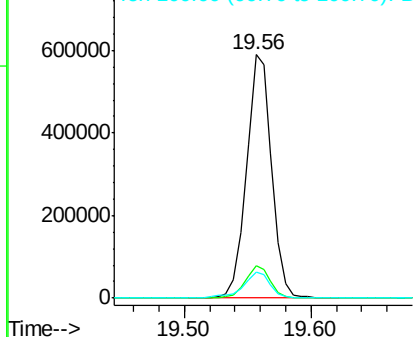


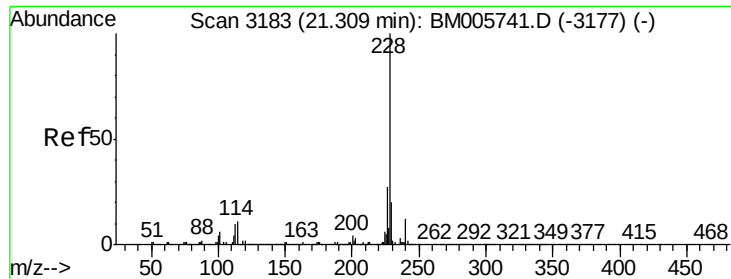
#31
Pyrene
Concen: 28.44 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. -0.01 min
Lab File: BM005757.D
Acq: 12 Jun 2016 20:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
100	10.6	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: 3.11 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

Instrument :

BNA_M

ClientSampleId :

D9Y15MS

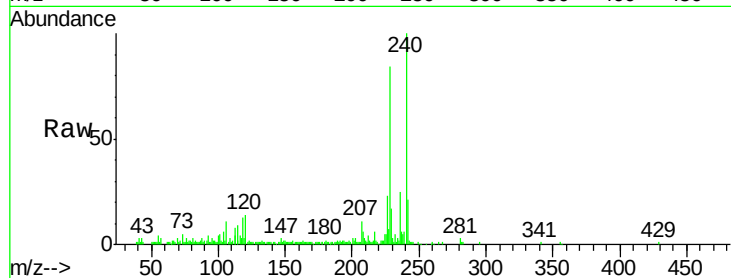
Tgt Ion:228 Resp: 83864

Ion Ratio Lower Upper

228 100

229 20.8 16.1 24.1

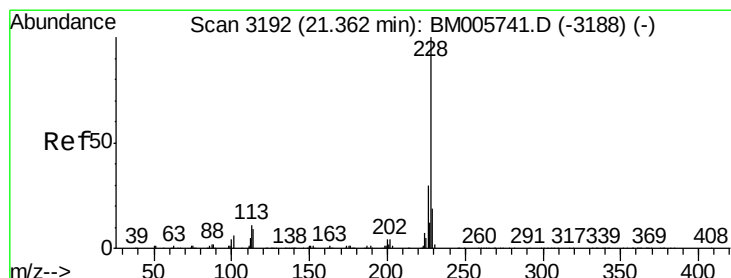
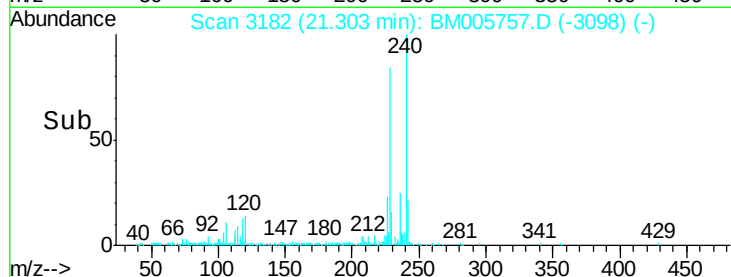
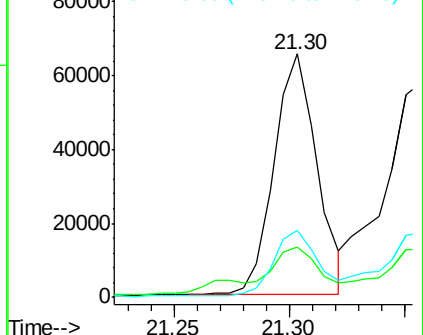
226 27.6 22.1 33.1



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: 3.53 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

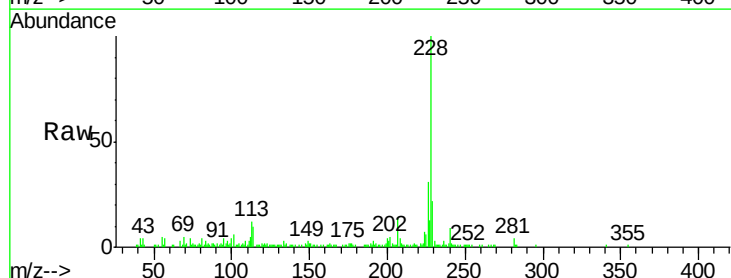
Tgt Ion:228 Resp: 93896

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

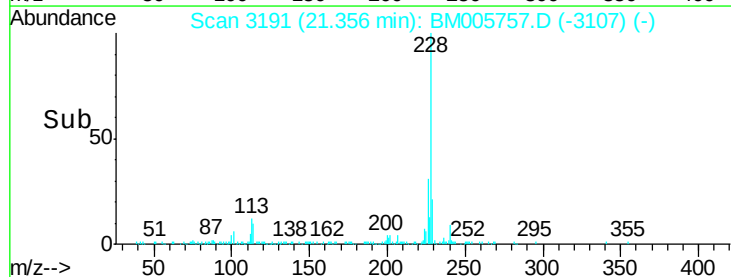
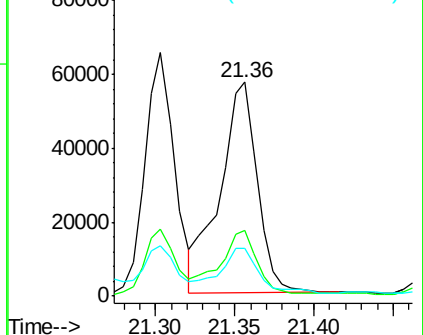
229 22.3 15.8 23.8

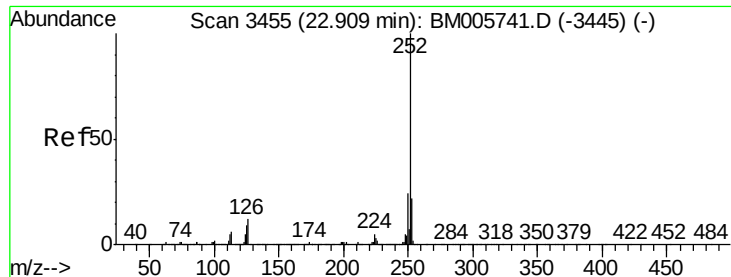


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 6.22 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.01 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

Instrument :

BNA_M

ClientSampleId :

D9Y15MS

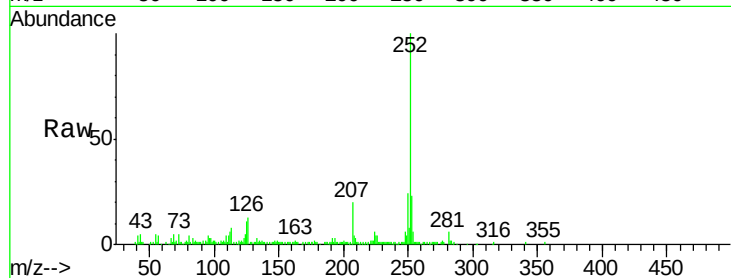
Tgt Ion:252 Resp: 165974

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

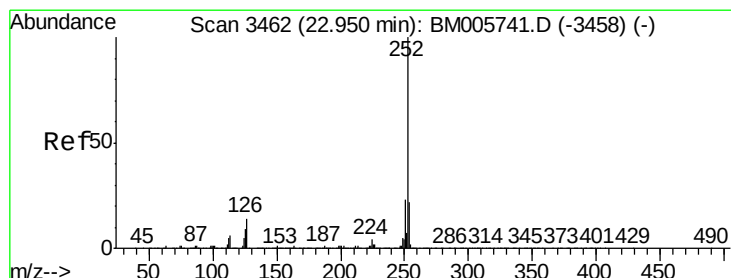
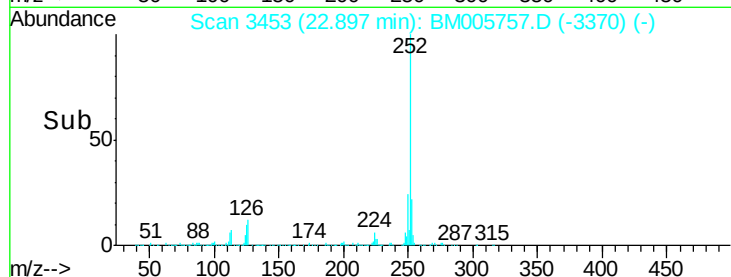
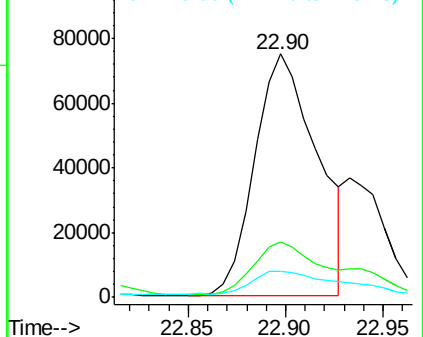
125 10.8 8.4 12.6



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: 6.16 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. -0.05 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

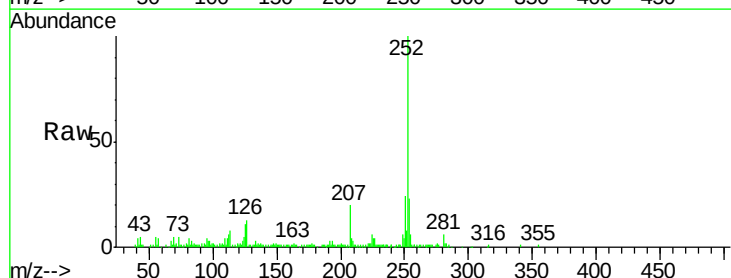
Tgt Ion:252 Resp: 165974

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

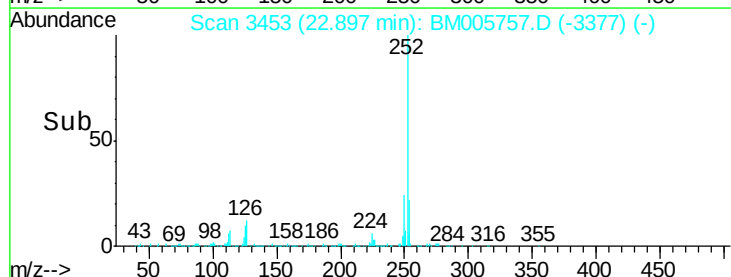
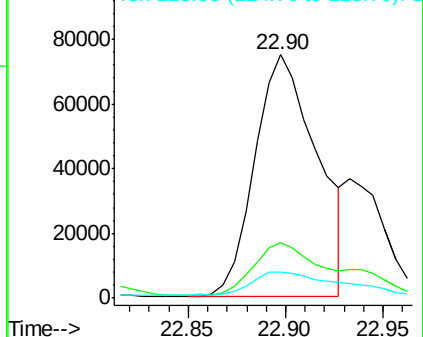
125 10.8 8.2 12.2

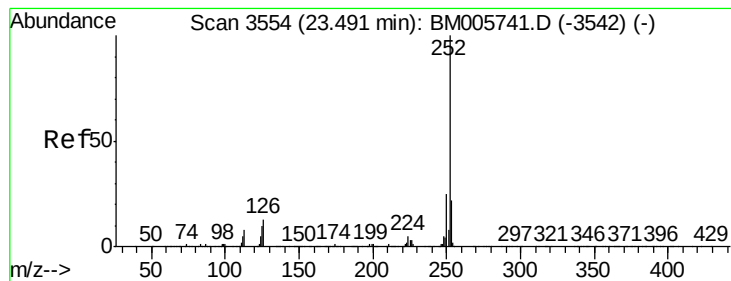


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

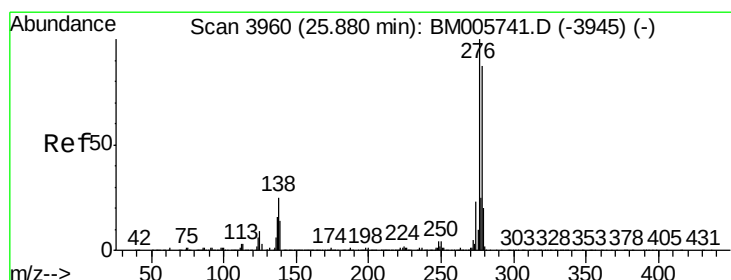
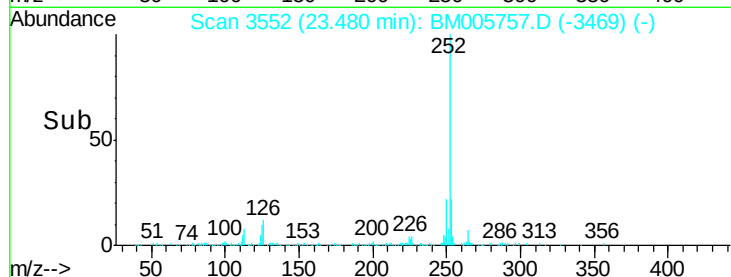
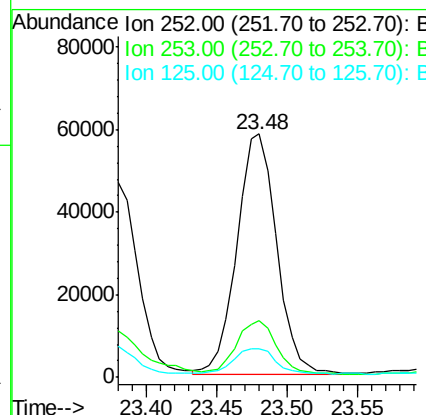
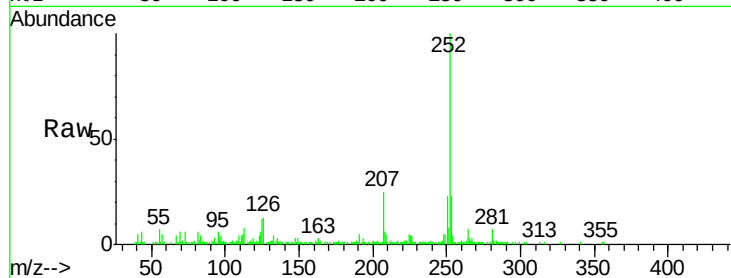




#38
Benzo(a)pyrene
Concen: 4.58 ng/ul
RT: 23.48 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BM005757.D
Acq: 12 Jun 2016 20:15

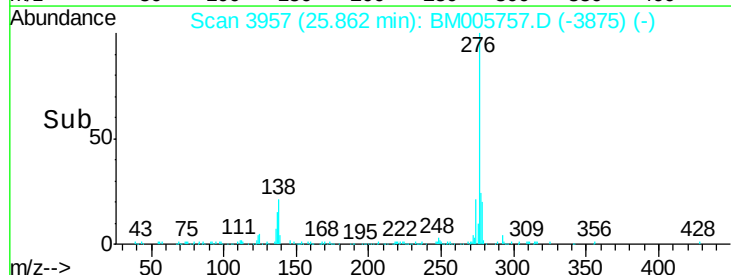
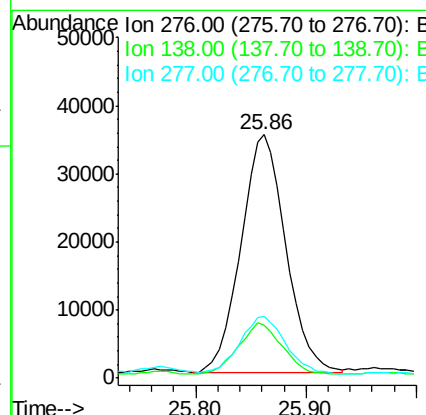
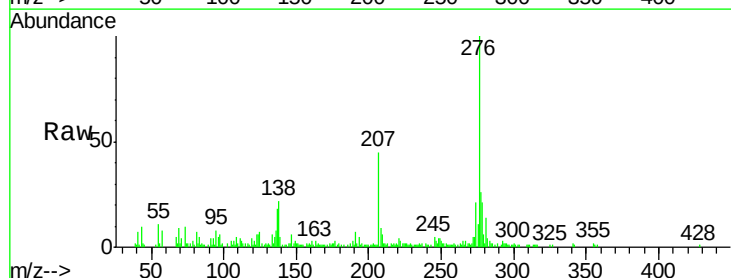
Instrument :
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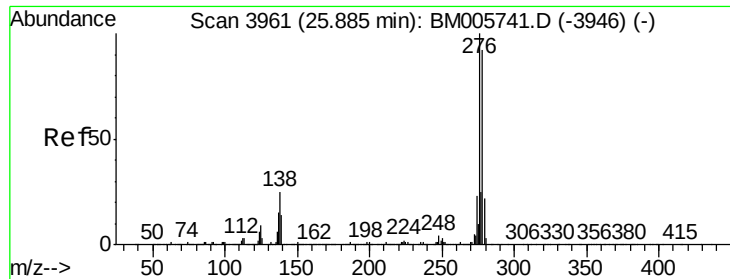
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	11.7	9.1	13.7



#39
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng/ul
RT: 25.86 min Scan# 3957
Delta R.T. -0.02 min
Lab File: BM005757.D
Acq: 12 Jun 2016 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.4	32.2
277	25.5	20.5	30.7





#40

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. -0.02 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

Instrument :

BNA_M

ClientSampleId :

D9Y15MS

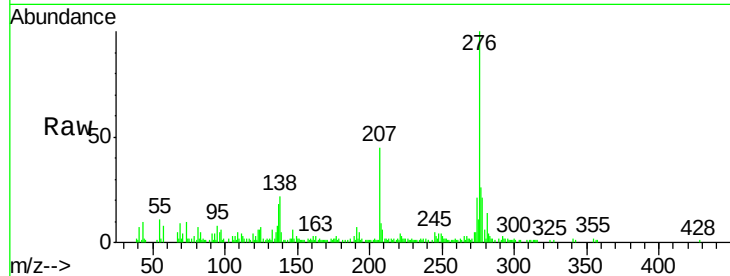
Tgt Ion:278 Resp: 24289

Ion Ratio Lower Upper

278 100

139 24.4 14.2 21.4#

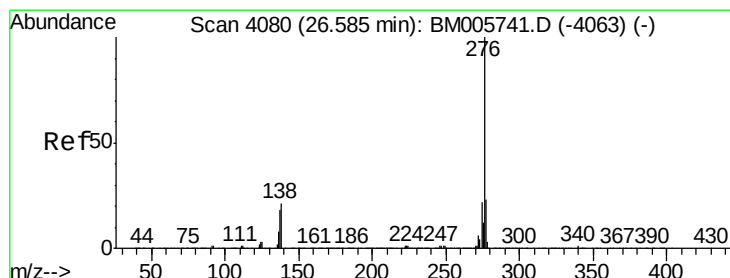
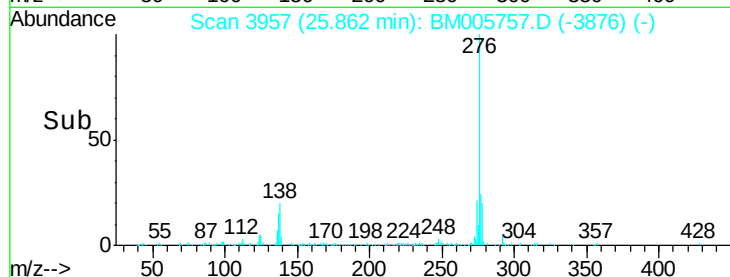
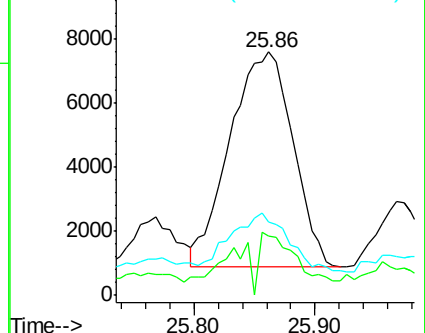
279 30.2 18.8 28.2#



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: 4.98 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.02 min

Lab File: BM005757.D

Acq: 12 Jun 2016 20:15

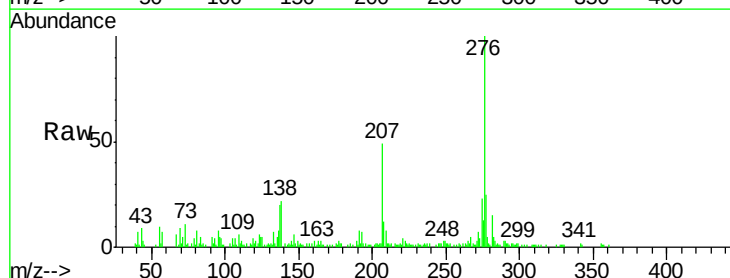
Tgt Ion:276 Resp: 102833

Ion Ratio Lower Upper

276 100

138 22.2 18.2 27.4

277 25.4 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

