

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
 Data File : BM005734.D
 Acq On : 11 Jun 2016 23:14
 Operator : UM/SJ
 Sample : H3411-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XR9

Quant Time: Jun 12 00:39:51 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 23:08:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	83035	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	433657	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	268139	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	579708	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	438543	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	394188	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3197	1.67	ng/uL	0.00
3) Phenol-d5	6.93	99	138220	19.29	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	94303	21.90	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	125133	21.60	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	114220	18.87	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	66625	21.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	77717	21.99	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	143198	22.34	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	143650	18.57	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	549537	24.85	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	684971	25.32	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	39604	12.24	ng/ul	0.00
21) Fluorene-d10	15.38	176	478342	25.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	54469	18.17	ng/ul	0.00
26) Anthracene-d10	17.23	188	718135	26.30	ng/ul	0.00
30) Pyrene-d10	19.53	212	731866	34.73	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	526944	29.31	ng/ul	0.00

Target Compounds

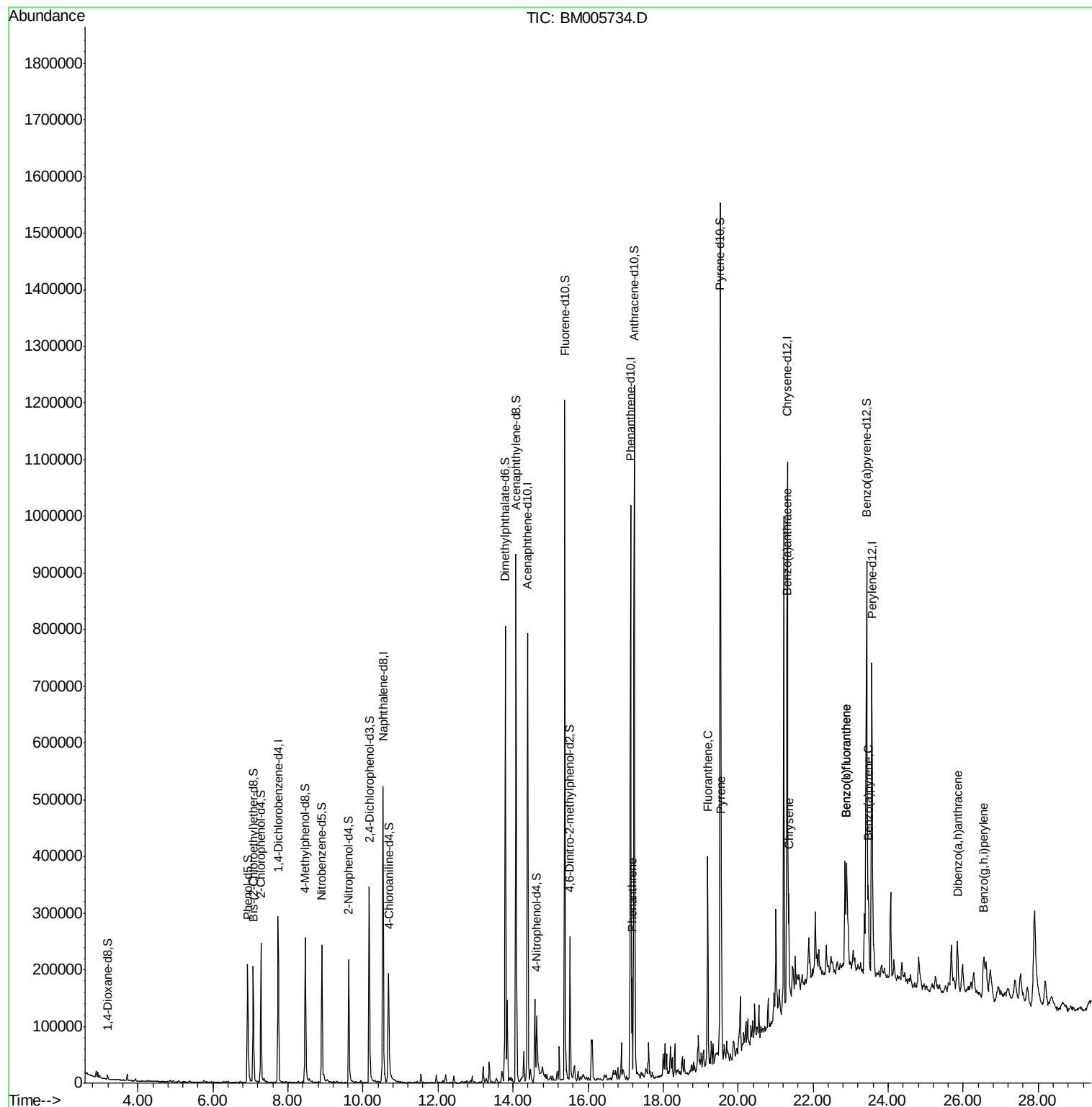
						Qvalue
25) Phenanthrene	17.17	178	100119	3.16	ng/ul	99
28) Fluoranthene	19.19	202	217149	5.83	ng/ul	99
31) Pyrene	19.56	202	194872	7.30	ng/ul	98
32) Benzo(a)anthracene	21.30	228	90188	3.56	ng/ul	99
33) Chrysene	21.35	228	110012	4.40	ng/ul	96
35) Benzo(b)fluoranthene	22.89	252	144044	6.15	ng/ul#	98
36) Benzo(k)fluoranthene	22.89	252	144044	6.09	ng/ul#	97
38) Benzo(a)pyrene	23.47	252	93644	4.21	ng/ul	99
40) Dibenzo(a,h)anthracene	25.85	278	21535	1.19	ng/ul#	83
41) Benzo(g,h,i)perylene	26.55	276	85330	4.70	ng/ul	98

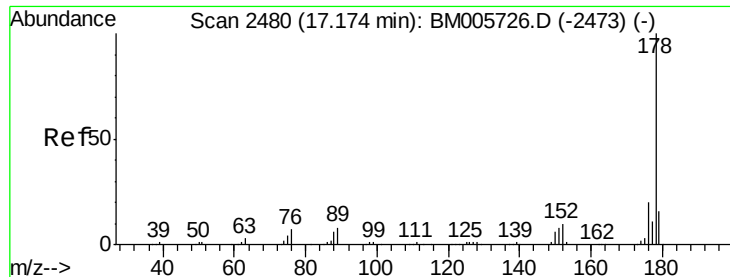
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.16 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

Instrument :

BNA_M

ClientSampleId :

D9XR9

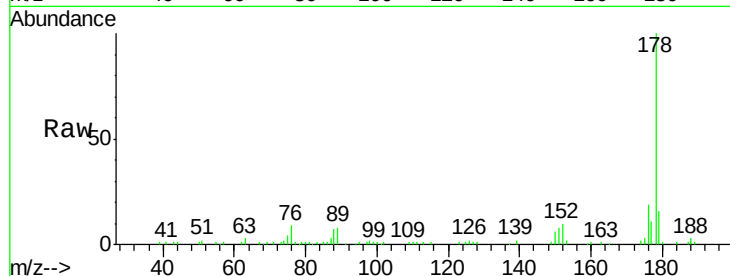
Tgt Ion:178 Resp: 100119

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

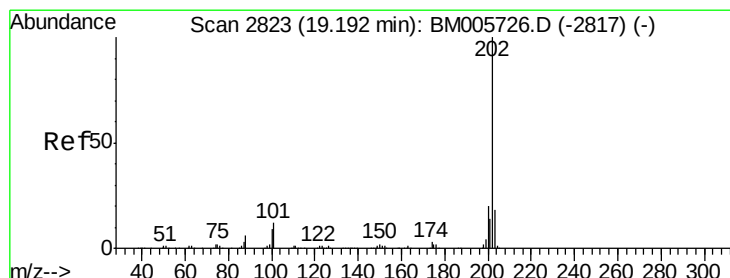
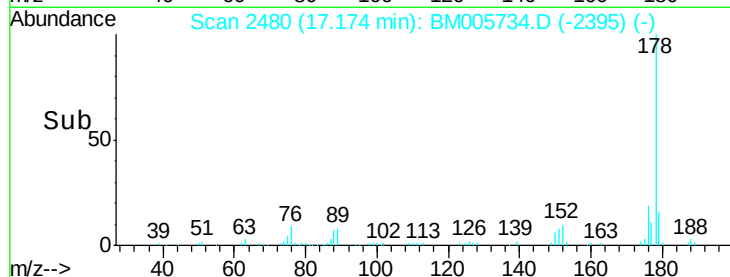
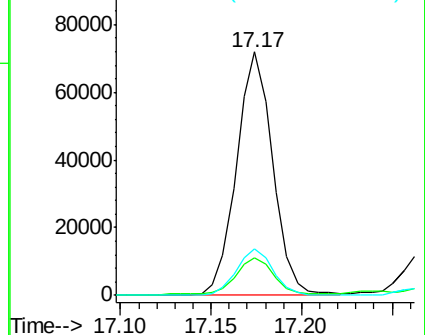
176 19.2 15.8 23.6



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: 5.83 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

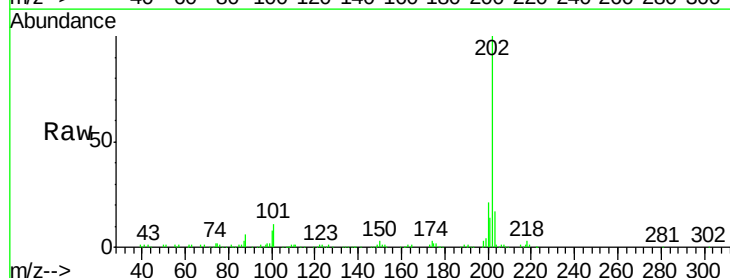
Tgt Ion:202 Resp: 217149

Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.2

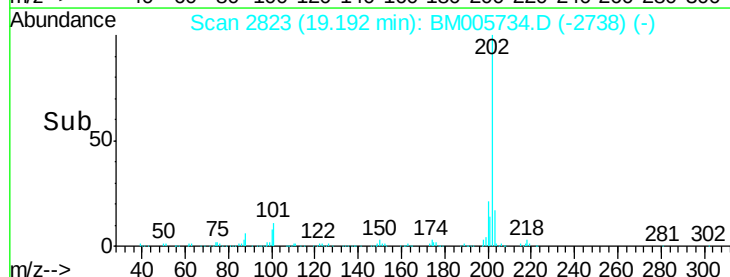
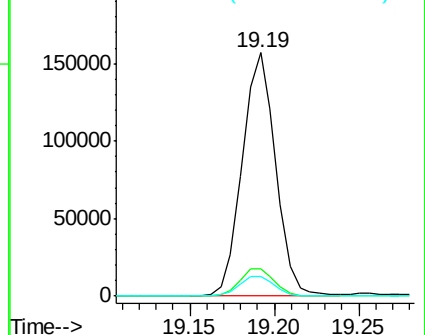
100 8.1 6.9 10.3

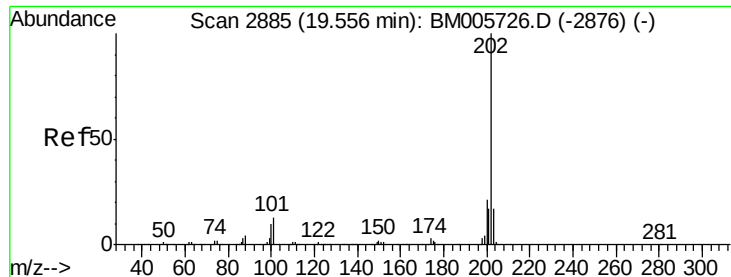


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 7.30 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

Instrument :

BNA_M

ClientSampleId :

D9XR9

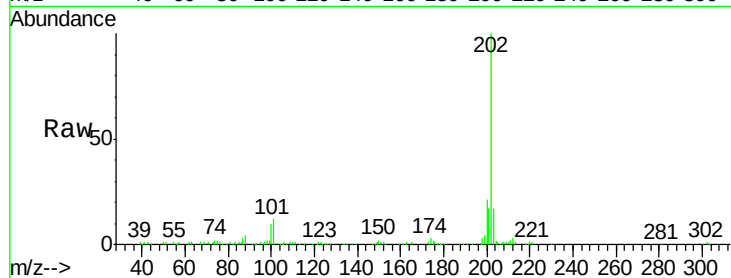
Tgt Ion:202 Resp: 194872

Ion Ratio Lower Upper

202 100

101 12.4 10.6 15.8

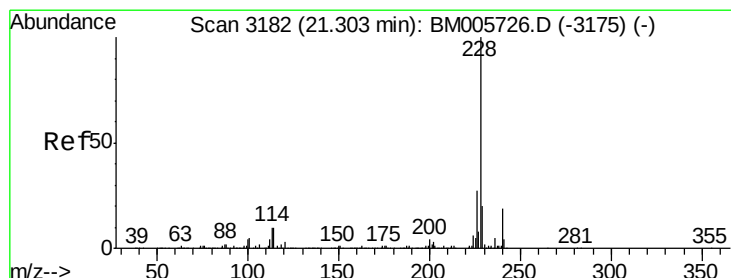
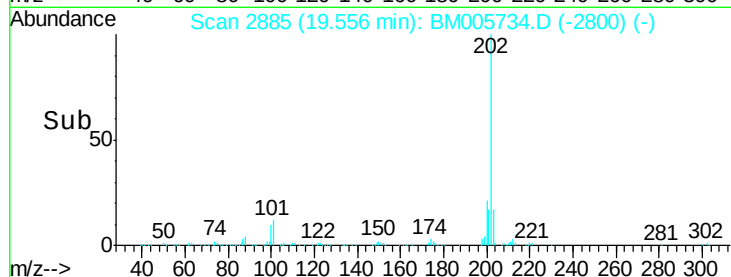
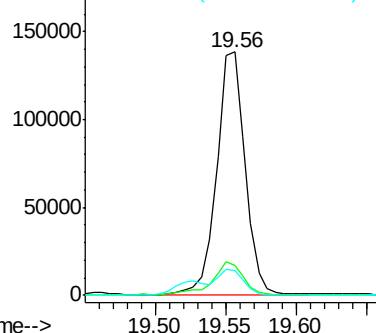
100 10.0 8.4 12.6



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: 3.56 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

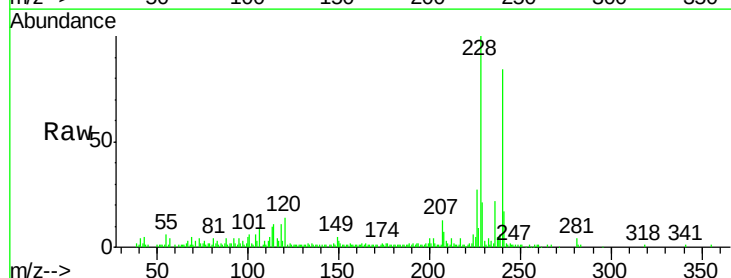
Tgt Ion:228 Resp: 90188

Ion Ratio Lower Upper

228 100

229 21.2 16.1 24.1

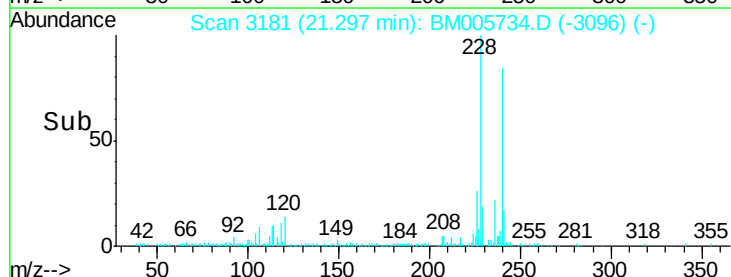
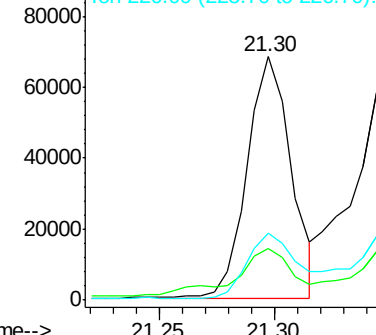
226 27.4 22.1 33.1

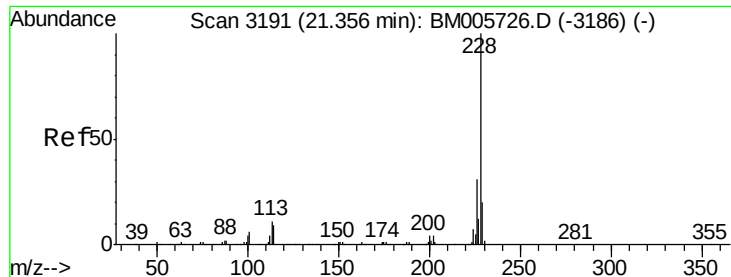


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.40 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

Instrument :

BNA_M

ClientSampleId :

D9XR9

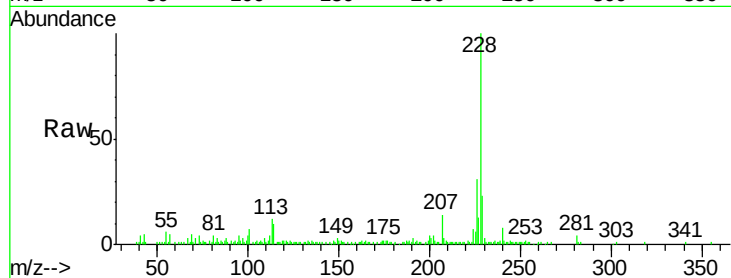
Tgt Ion:228 Resp: 110012

Ion Ratio Lower Upper

228 100

226 31.2 24.2 36.2

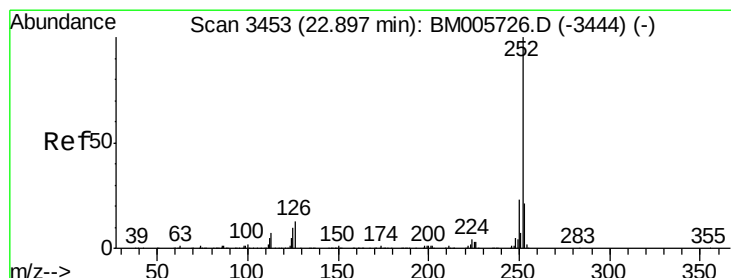
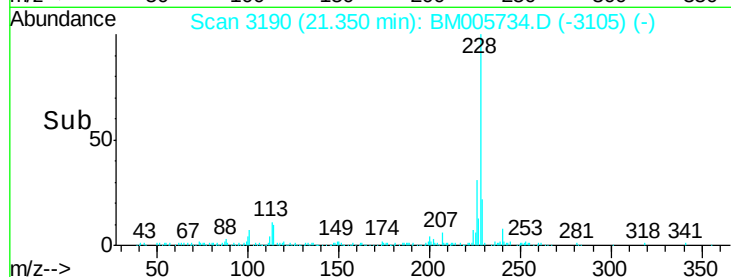
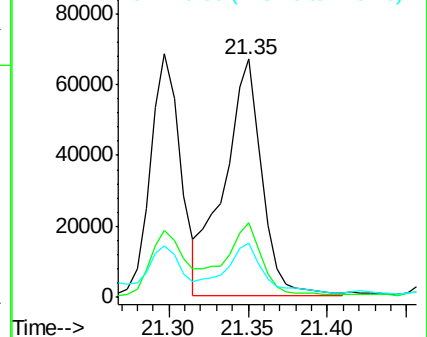
229 23.0 15.8 23.8



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: 6.15 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

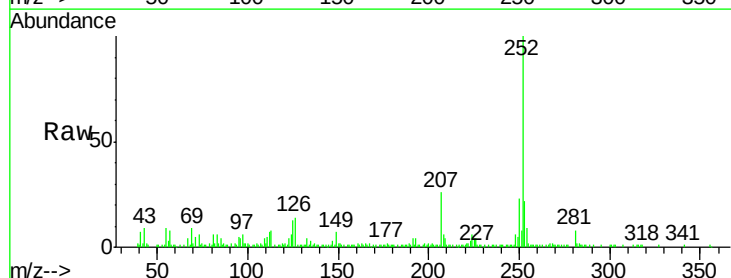
Tgt Ion:252 Resp: 144044

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

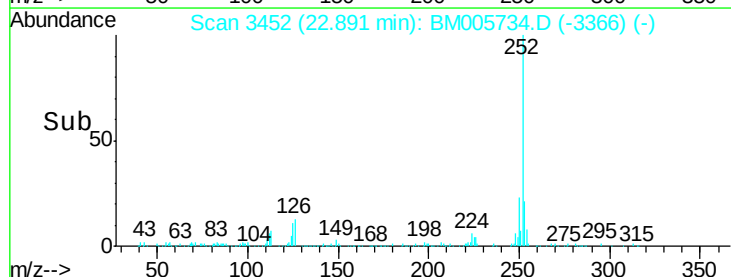
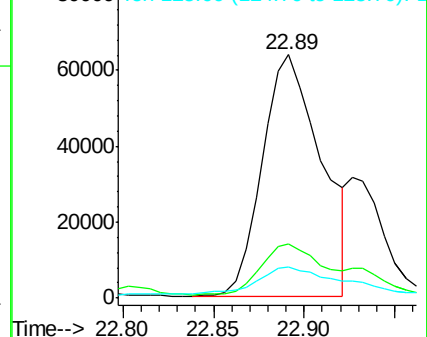
125 12.6 8.4 12.6#

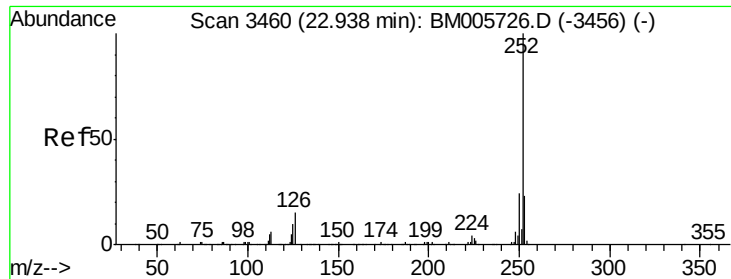


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

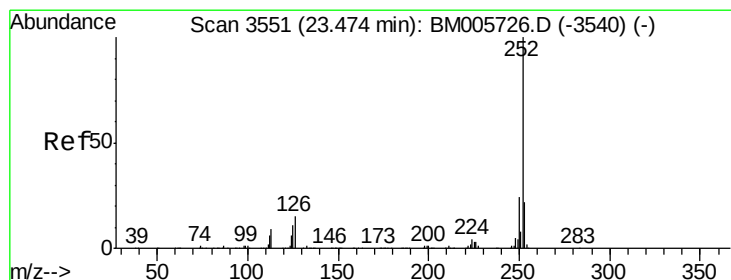
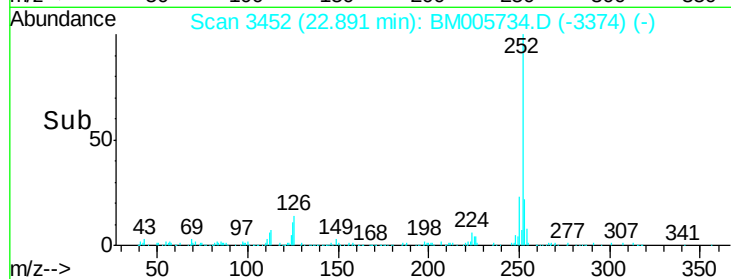
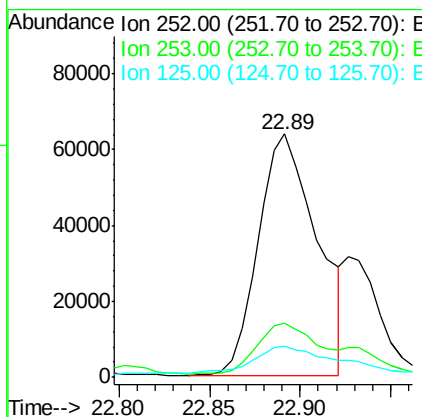
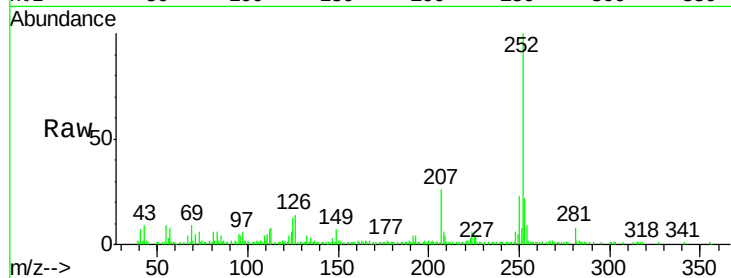




#36
Benzo(k)fluoranthene
Concen: 6.09 ng/ul
RT: 22.89 min Scan# 3452
Delta R.T. -0.04 min
Lab File: BM005734.D
Acq: 11 Jun 2016 23:14

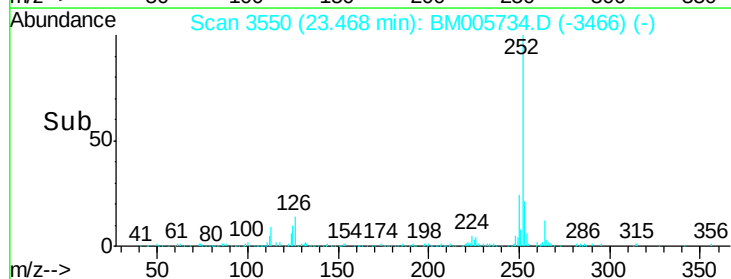
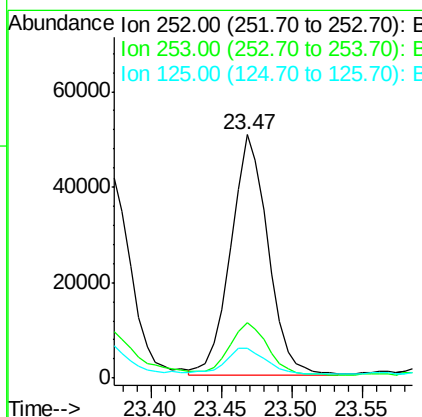
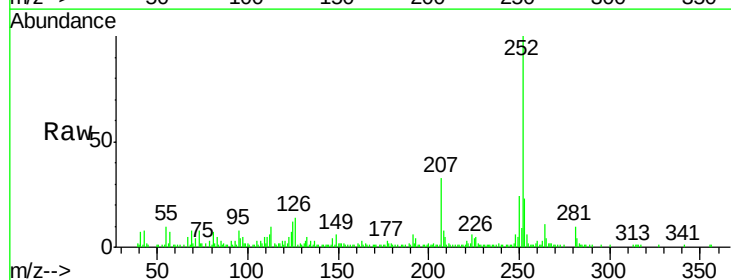
Instrument :
BNA_M
ClientSampleId :
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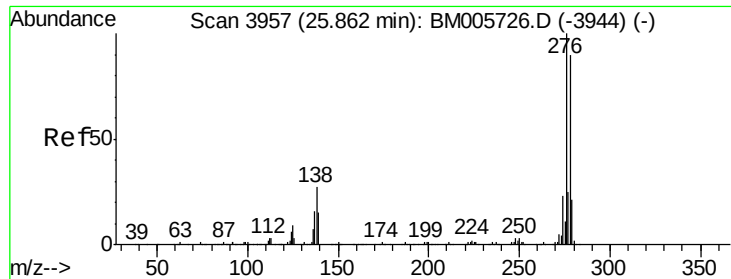
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	12.6	8.2	12.2#



#38
Benzo(a)pyrene
Concen: 4.21 ng/ul
RT: 23.47 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BM005734.D
Acq: 11 Jun 2016 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.4	9.1	13.7





#40

Dibenzo(a,h)anthracene

Concen: 1.19 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

Instrument :

BNA_M

ClientSampleId :

D9XR9

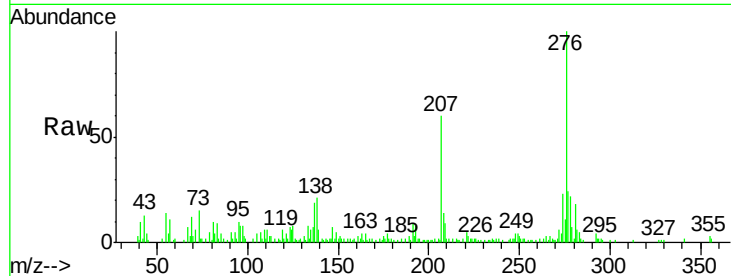
Tgt Ion:278 Resp: 21535

Ion Ratio Lower Upper

278 100

139 26.9 14.2 21.4#

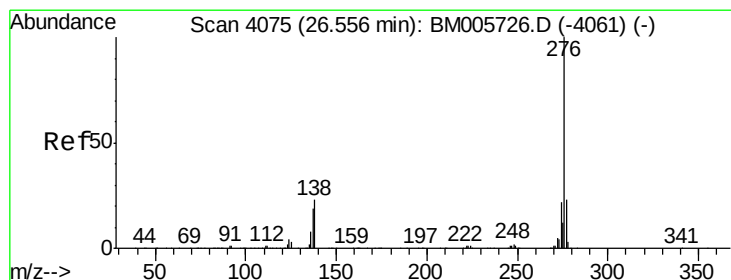
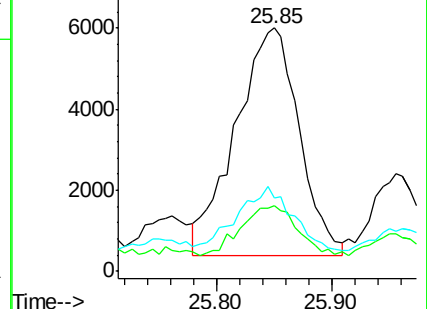
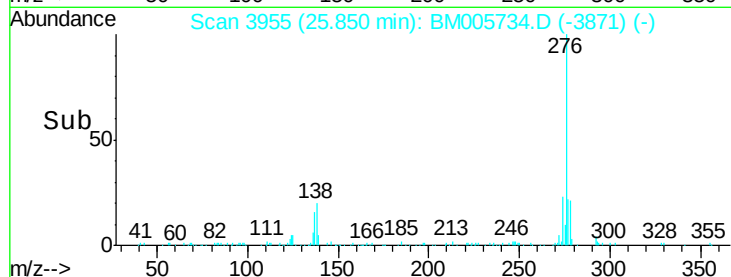
279 30.1 18.8 28.2#



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: 4.70 ng/ul

RT: 26.55 min Scan# 4074

Delta R.T. -0.00 min

Lab File: BM005734.D

Acq: 11 Jun 2016 23:14

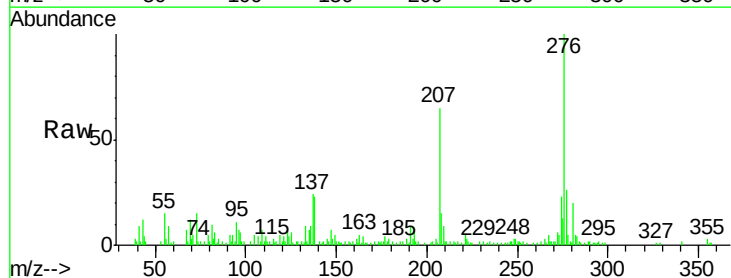
Tgt Ion:276 Resp: 85330

Ion Ratio Lower Upper

276 100

138 22.9 18.2 27.4

277 26.3 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

