

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
 Data File : BM005733.D
 Acq On : 11 Jun 2016 22:38
 Operator : UM/SJ
 Sample : H3411-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XR2

Quant Time: Jun 11 23:26:51 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	80426	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	416336	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	262640	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	585649	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	531987	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	440498	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	2650	1.43	ng/uL	0.00
3) Phenol-d5	6.92	99	104545	15.06	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	75602	18.13	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	96944	17.28	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	63123	10.77	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	50343	16.78	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	57020	16.81	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	102722	16.69	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	88104	11.87	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	397244	18.34	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	508688	19.19	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	30819	9.73	ng/ul	0.01
21) Fluorene-d10	15.38	176	357230	19.48	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	36739	12.13	ng/ul	0.00
26) Anthracene-d10	17.23	188	524452	19.01	ng/ul	0.00
30) Pyrene-d10	19.53	212	593674	23.23	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	401184	19.97	ng/ul	0.00

Target Compounds

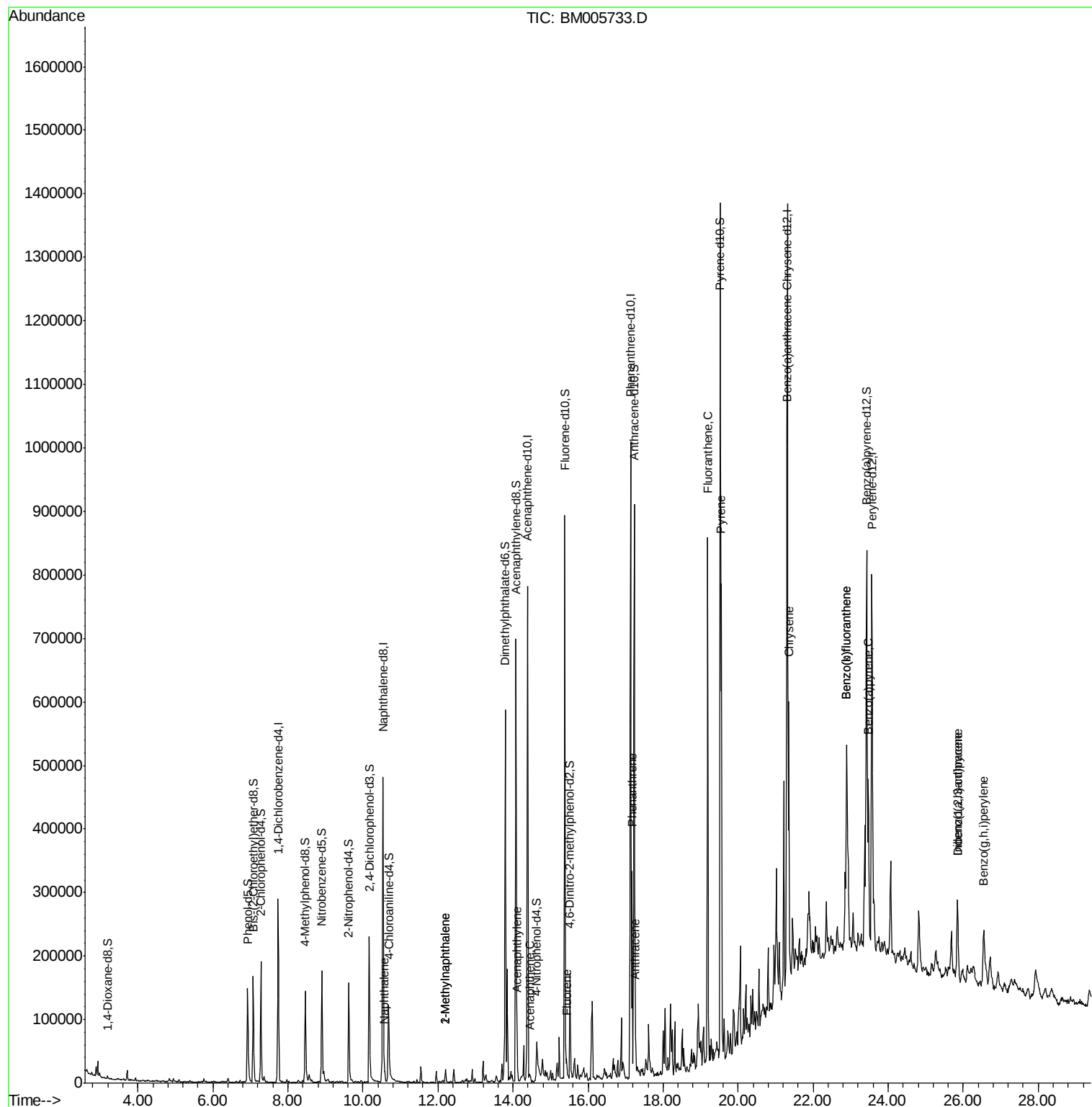
					Qvalue
11) Naphthalene	10.58	128	16287	0.78 ng/ul	98
13) 2-Methylnaphthalene	12.20	142	13170	0.84 ng/ul	96
14) 1-Methylnaphthalene	12.20	142	13170	0.85 ng/ul	98
18) Acenaphthylene	14.11	152	24947	0.92 ng/ul	99
19) Acenaphthene	14.45	153	4299	0.24 ng/ul	95
22) Fluorene	15.44	166	6805	0.34 ng/ul#	94
25) Phenanthrene	17.17	178	192737	6.01 ng/ul	99
27) Anthracene	17.26	178	37847	1.16 ng/ul	96
28) Fluoranthene	19.19	202	473918	12.59 ng/ul	100
31) Pyrene	19.56	202	443702	13.71 ng/ul	100
32) Benzo(a)anthracene	21.30	228	218352	7.11 ng/ul	99
33) Chrysene	21.35	228	228269	7.53 ng/ul	98
35) Benzo(b)fluoranthene	22.89	252	255475	9.76 ng/ul	99
36) Benzo(k)fluoranthene	22.89	252	255475	9.66 ng/ul	97
38) Benzo(a)pyrene	23.47	252	174425	7.02 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.85	276	114911	4.74 ng/ul	93
40) Dibenzo(a,h)anthracene	25.85	278	31219	1.54 ng/ul#	86
41) Benzo(g,h,i)perylene	26.56	276	108782	5.36 ng/ul	99

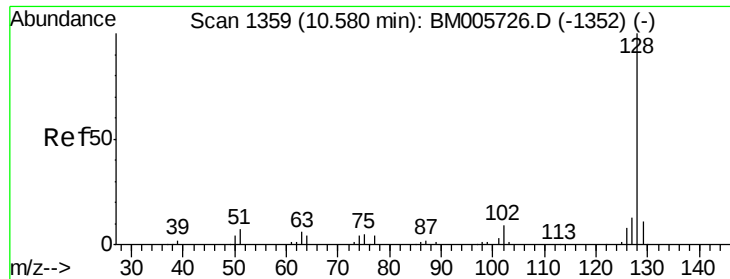
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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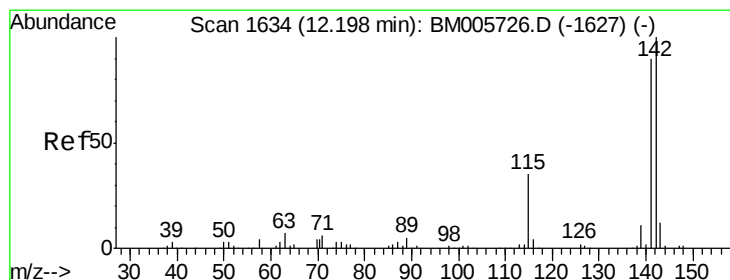
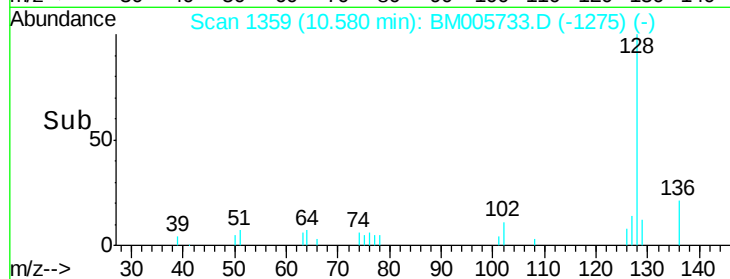
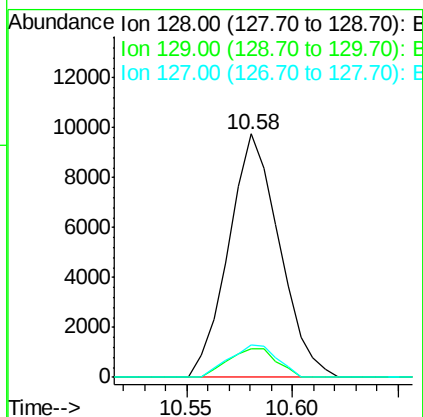
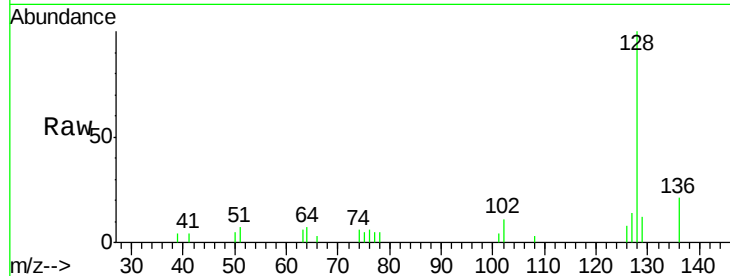




#11
Naphthalene
Concen: 0.78 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BM005733.D
Acq: 11 Jun 2016 22:38

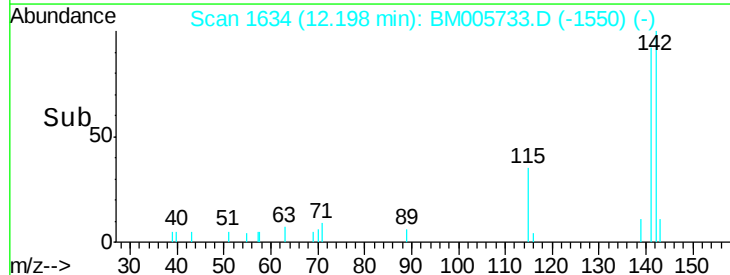
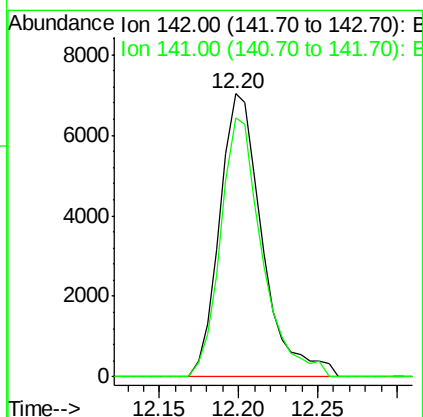
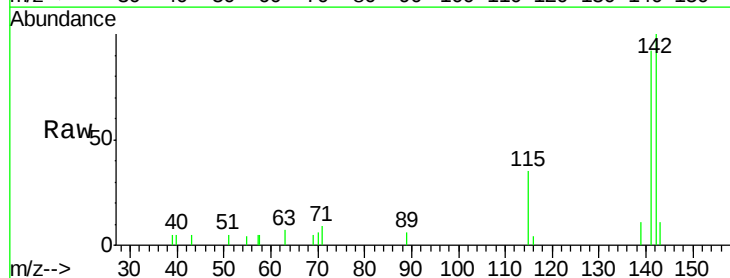
Instrument :
BNA_M
ClientSampleId :
D9XR2

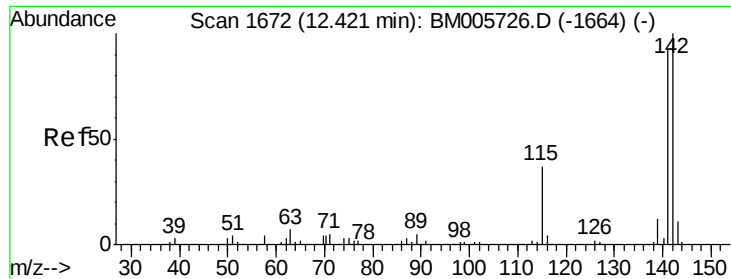
Tgt Ion:128 Resp: 16287
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.5 10.3 15.5



#13
2-Methylnaphthalene
Concen: 0.84 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BM005733.D
Acq: 11 Jun 2016 22:38

Tgt Ion:142 Resp: 13170
Ion Ratio Lower Upper
142 100
141 91.5 70.2 105.4

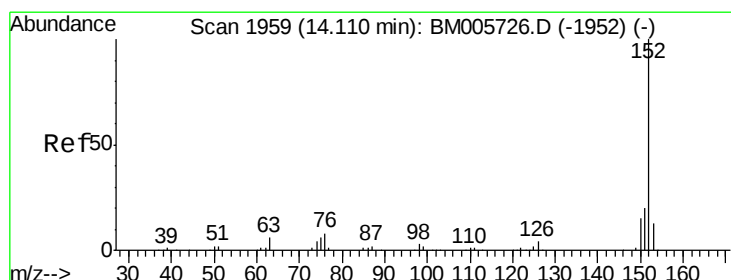
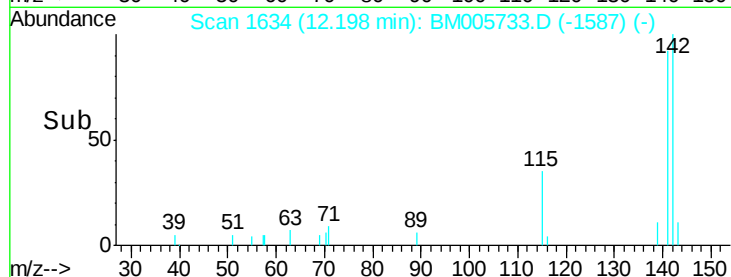
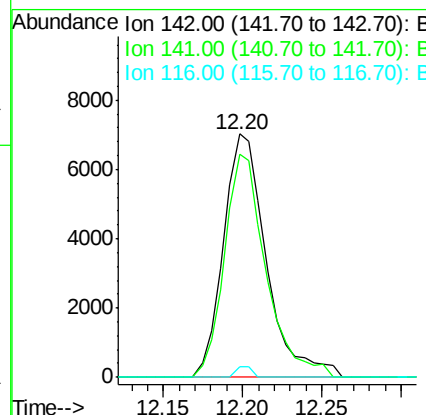
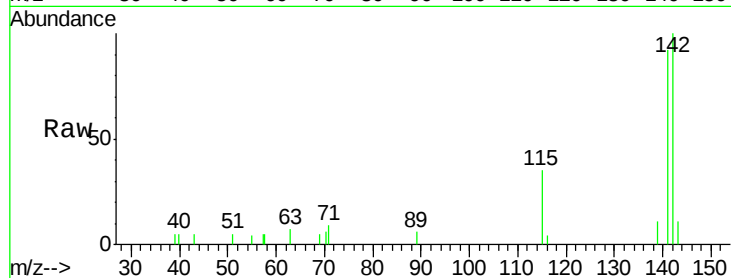




#14
1-Methylnaphthalene
Concen: 0.85 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. -0.22 min
Lab File: BM005733.D
Acq: 11 Jun 2016 22:38

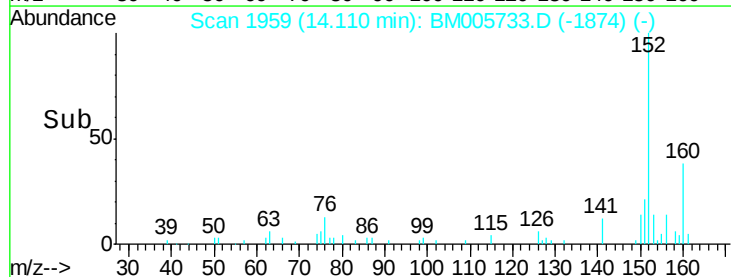
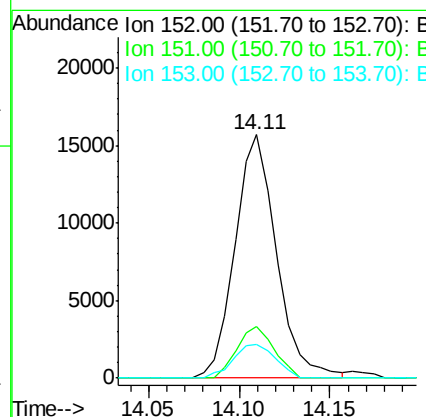
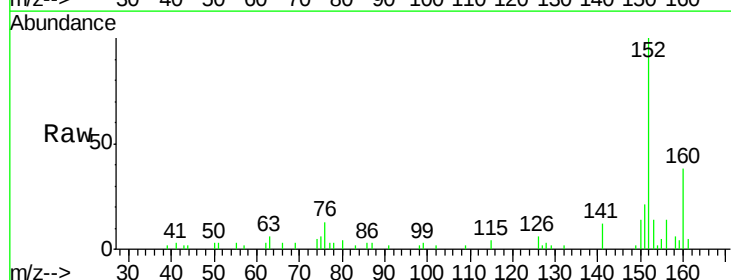
Instrument :
BNA_M
ClientSampleId :
D9XR2

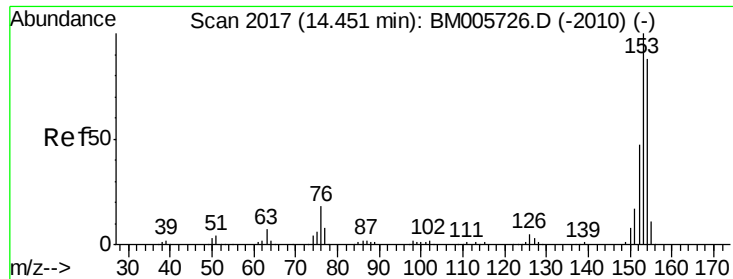
Tgt Ion:142 Resp: 13170
Ion Ratio Lower Upper
142 100
141 91.5 74.6 111.8
116 4.4 3.0 4.6



#18
Acenaphthylene
Concen: 0.92 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM005733.D
Acq: 11 Jun 2016 22:38

Tgt Ion:152 Resp: 24947
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 13.7 10.4 15.6





#19

Acenaphthene

Concen: 0.24 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

Instrument :

BNA_M

ClientSampleId :

D9XR2

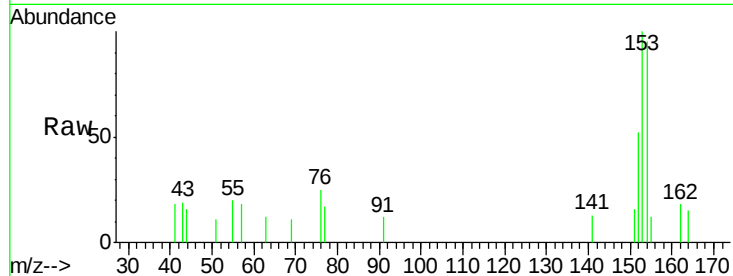
Tgt Ion:153 Resp: 4299

Ion Ratio Lower Upper

153 100

152 51.9 38.8 58.2

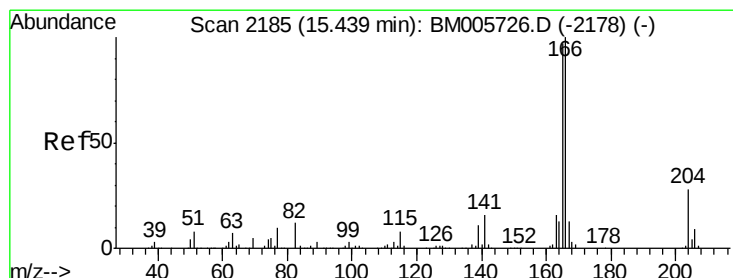
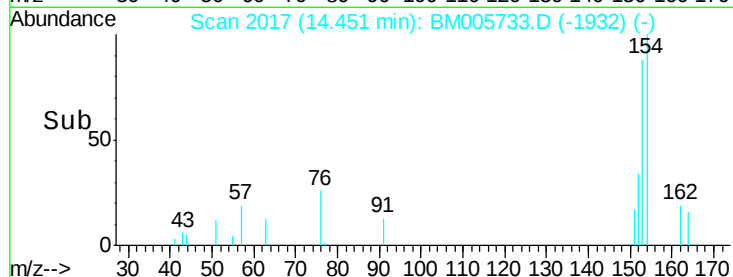
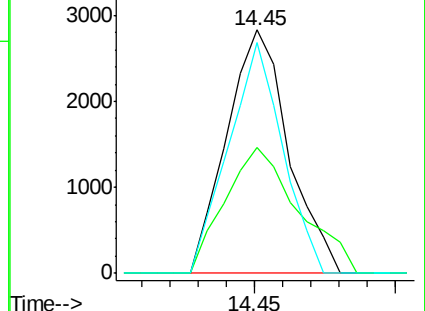
154 95.1 72.5 108.7



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



#22

Fluorene

Concen: 0.34 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

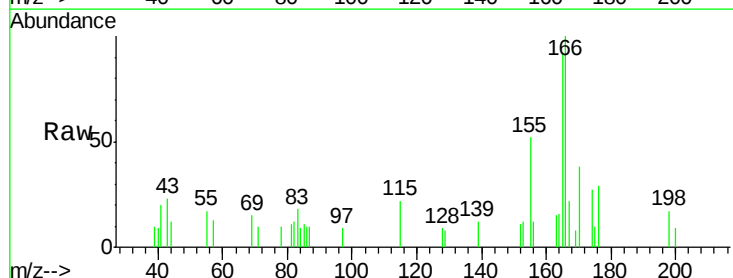
Tgt Ion:166 Resp: 6805

Ion Ratio Lower Upper

166 100

165 91.8 76.4 114.6

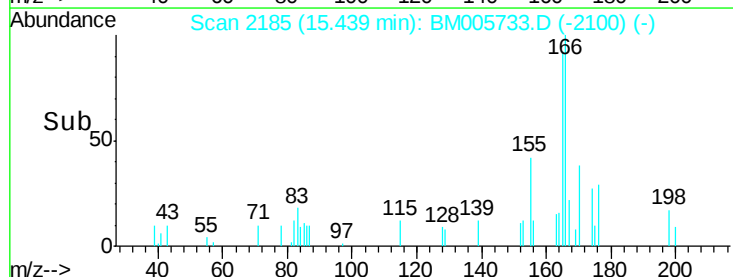
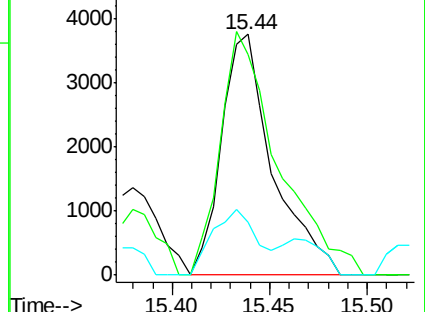
167 21.8 10.6 16.0#

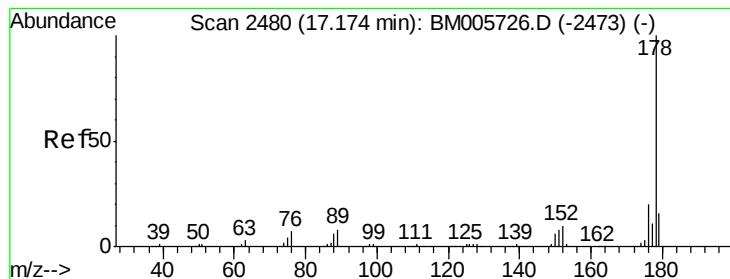


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 6.01 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

Instrument :

BNA_M

ClientSampleId :

D9XR2

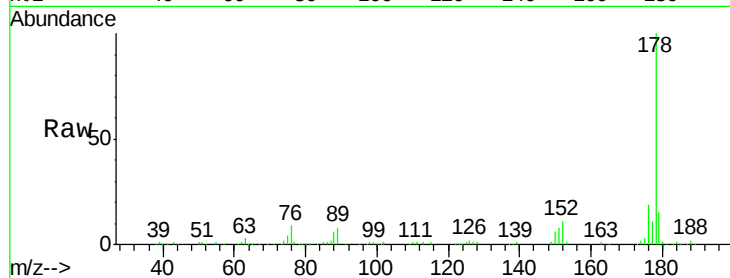
Tgt Ion:178 Resp: 192737

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

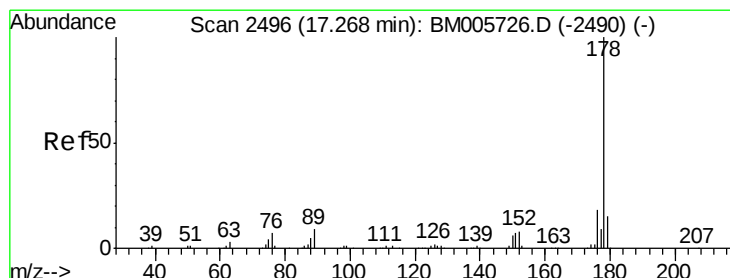
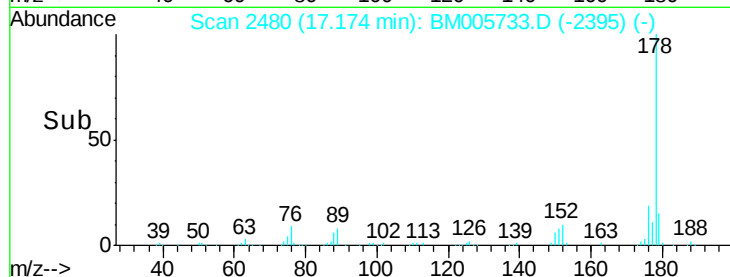
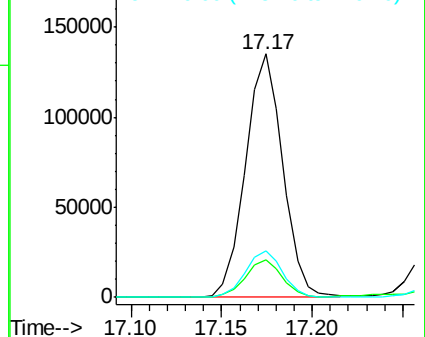
176 19.2 15.8 23.6



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



#27

Anthracene

Concen: 1.16 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

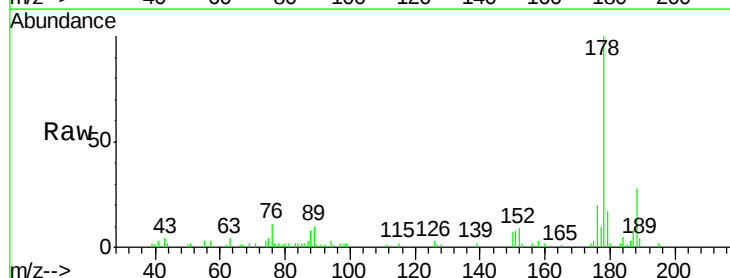
Tgt Ion:178 Resp: 37847

Ion Ratio Lower Upper

178 100

179 17.5 12.1 18.1

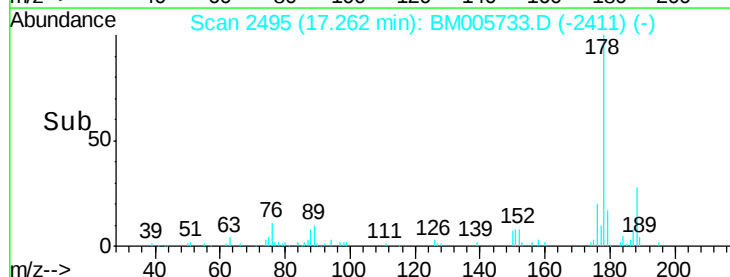
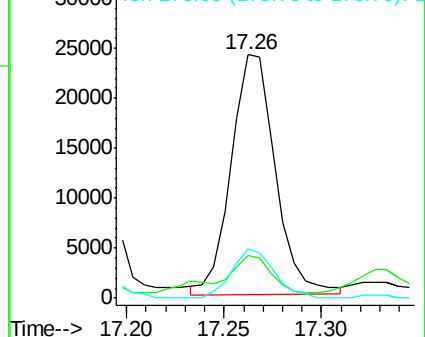
176 20.1 15.0 22.6

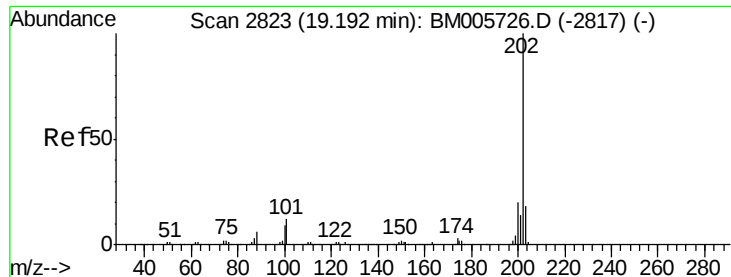


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 12.59 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

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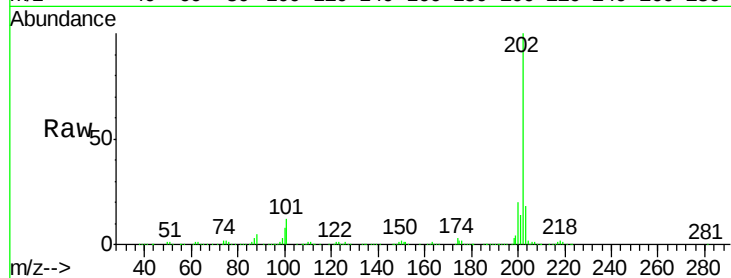
Tgt Ion:202 Resp: 473918

Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.2

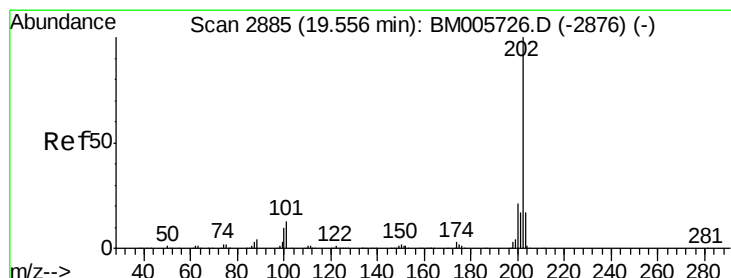
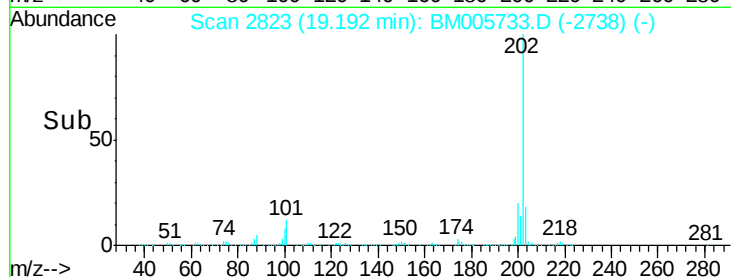
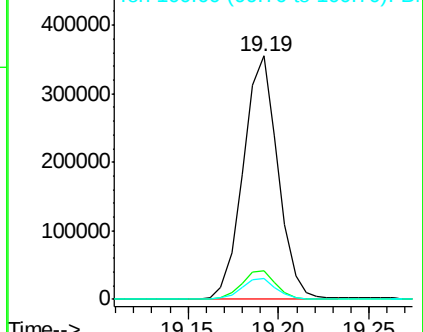
100 8.4 6.9 10.3



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: 13.71 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

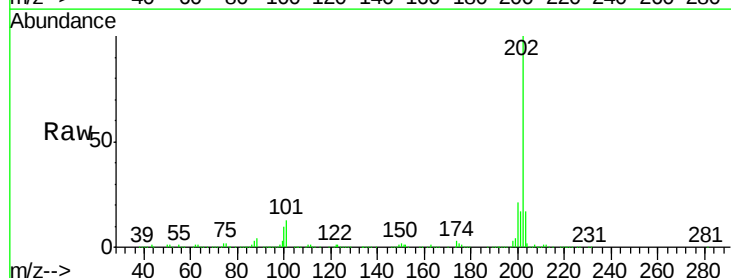
Tgt Ion:202 Resp: 443702

Ion Ratio Lower Upper

202 100

101 13.0 10.6 15.8

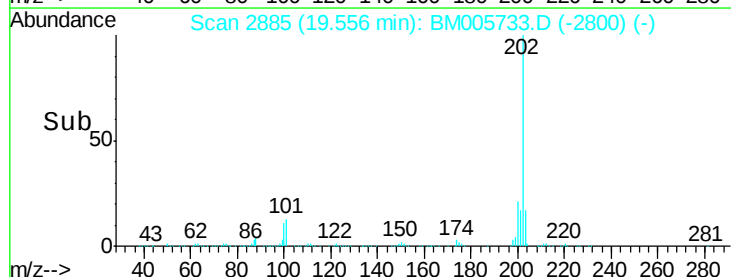
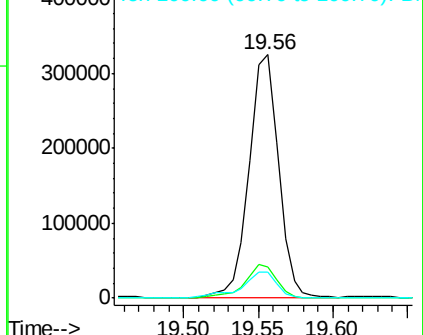
100 10.5 8.4 12.6

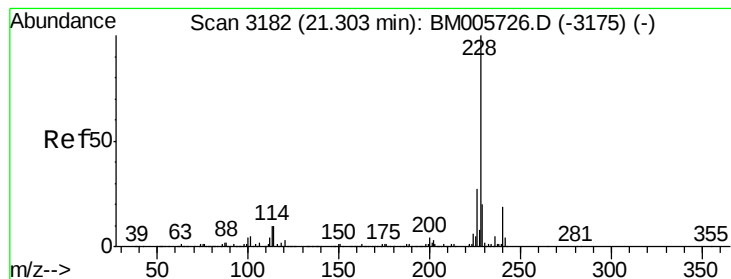


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 7.11 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

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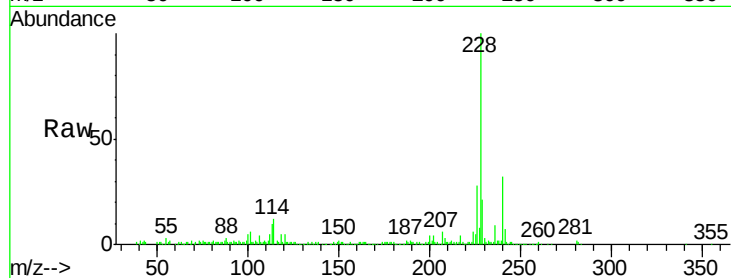
Tgt Ion:228 Resp: 218352

Ion Ratio Lower Upper

228 100

229 20.6 16.1 24.1

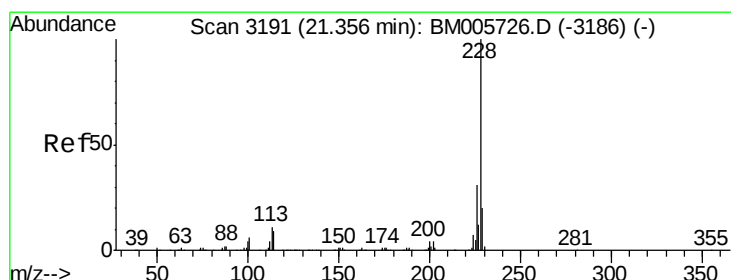
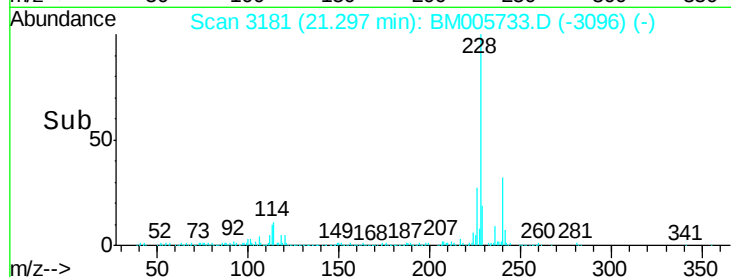
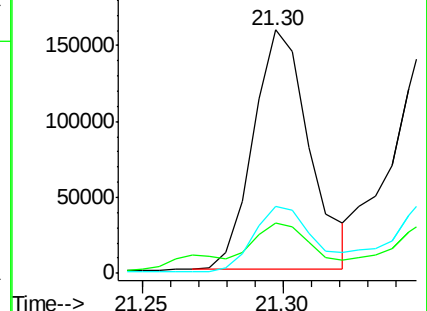
226 27.8 22.1 33.1



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: 7.53 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

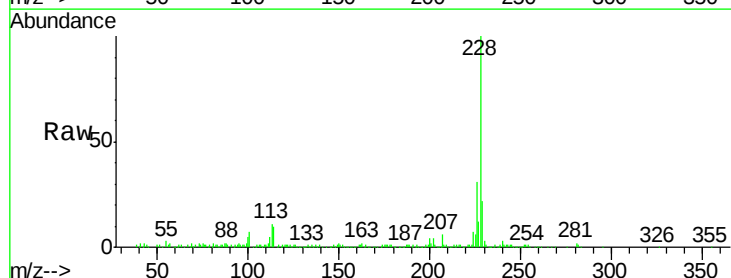
Tgt Ion:228 Resp: 228269

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

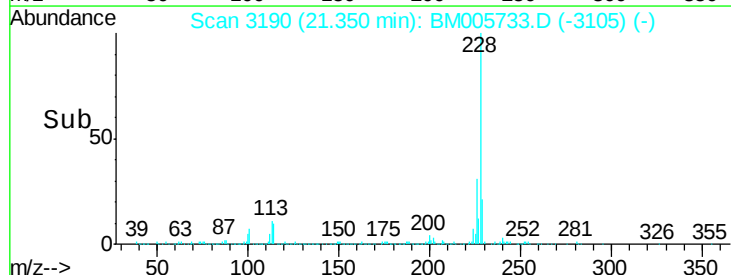
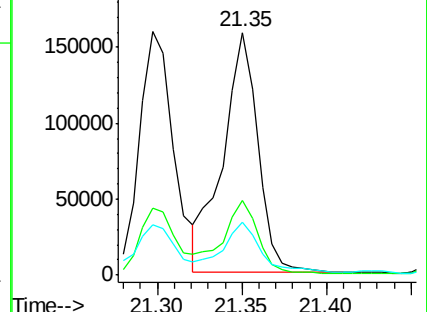
229 21.7 15.8 23.8

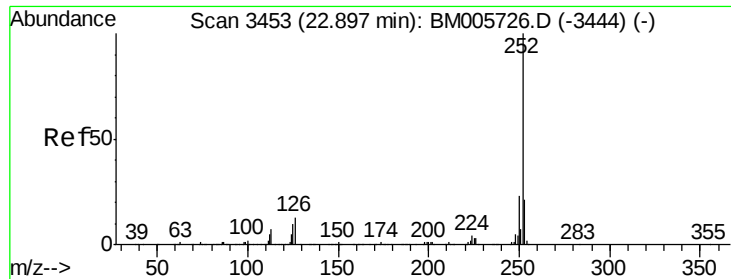


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 9.76 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

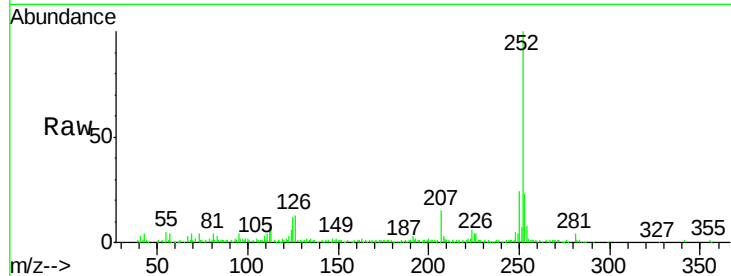
Instrument :

BNA_M

ClientSampleId :

D9XR2

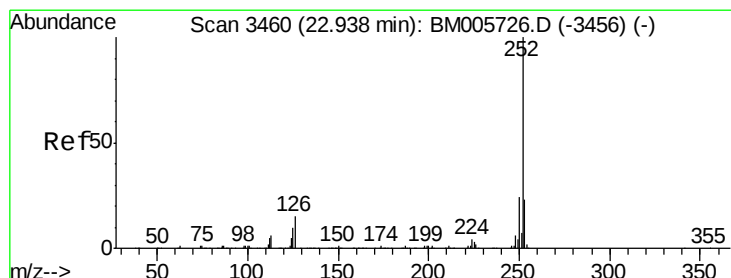
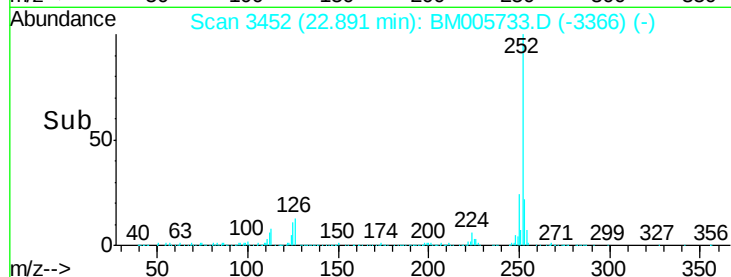
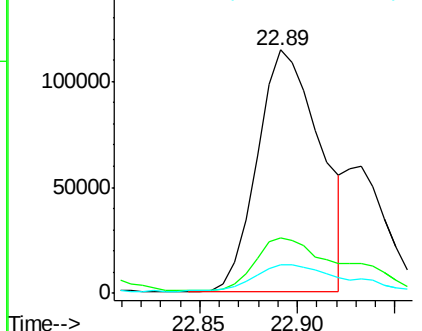
Tgt Ion:	252	Resp:	255475
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.2
125	11.7	8.4	12.6



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: 9.66 ng/ul

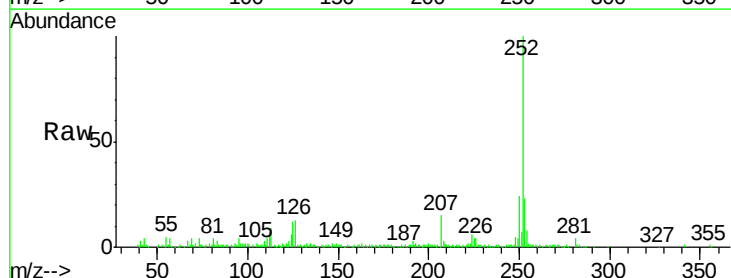
RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

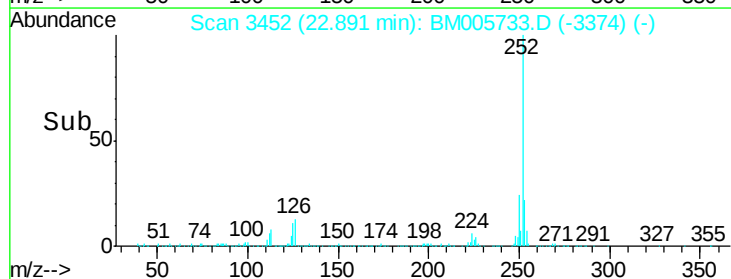
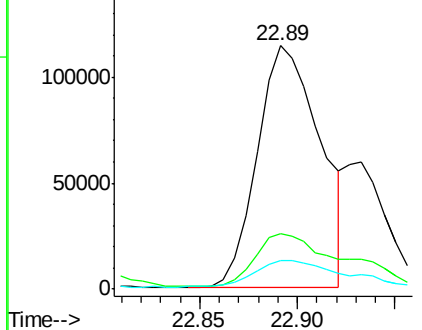
Tgt Ion:	252	Resp:	255475
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	11.7	8.2	12.2

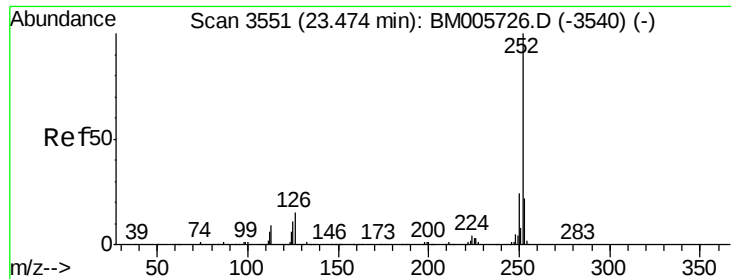


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 7.02 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

Instrument :

BNA_M

ClientSampleId :

D9XR2

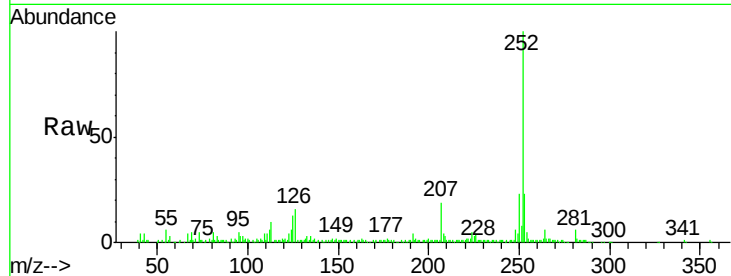
Tgt Ion:252 Resp: 174425

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

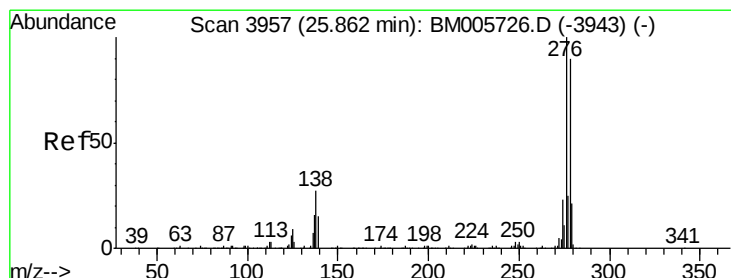
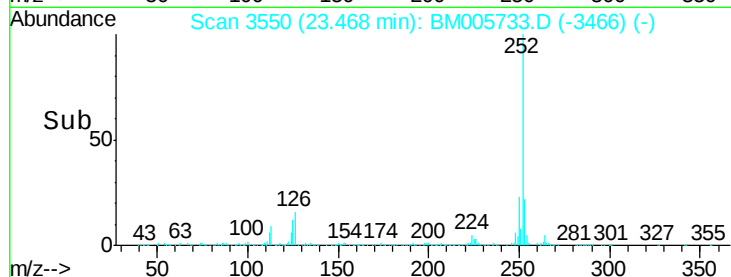
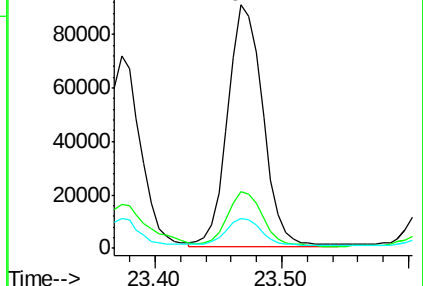
125 12.5 9.1 13.7



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: 4.74 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

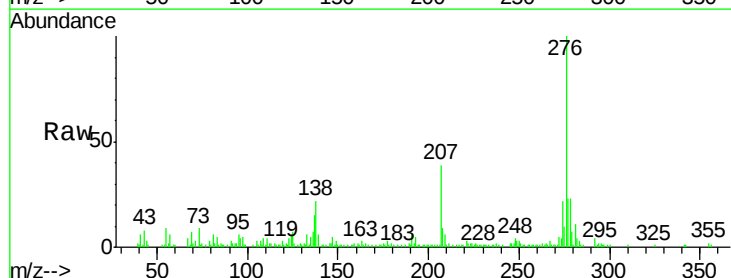
Tgt Ion:276 Resp: 114911

Ion Ratio Lower Upper

276 100

138 22.2 21.4 32.2

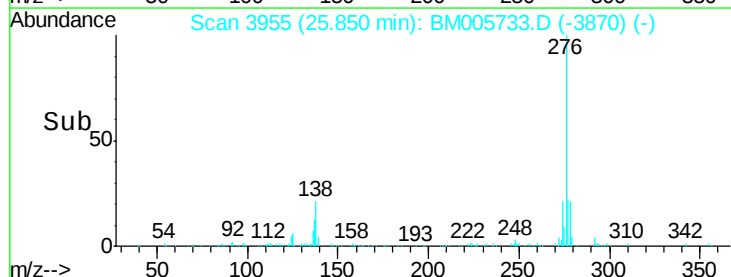
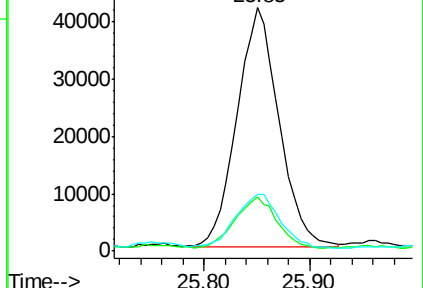
277 23.2 20.5 30.7

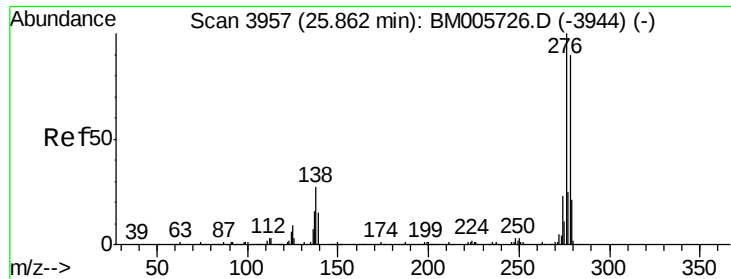


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 1.54 ng/ul

RT: 25.85 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

Instrument :

BNA_M

ClientSampleId :

D9XR2

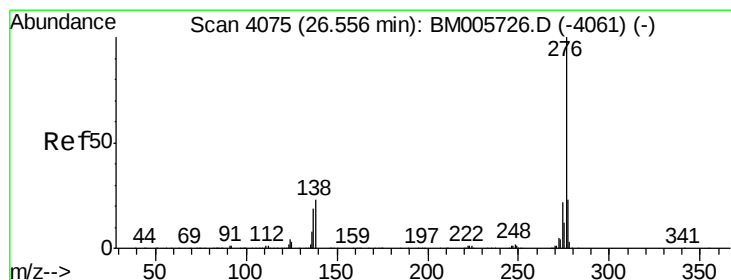
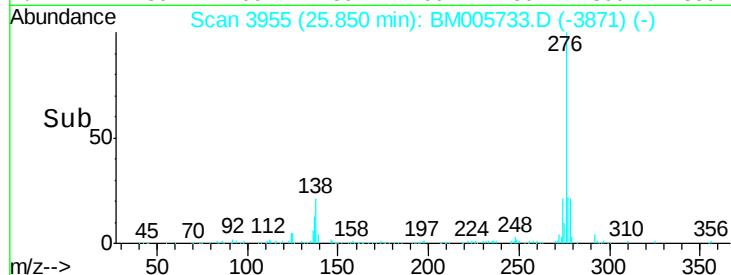
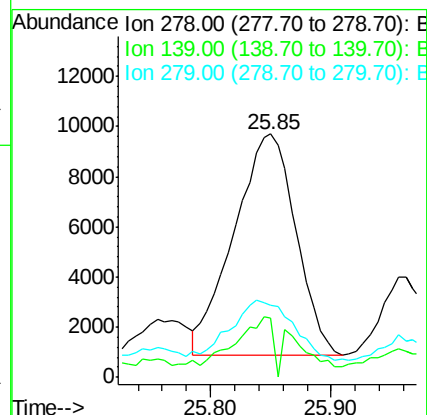
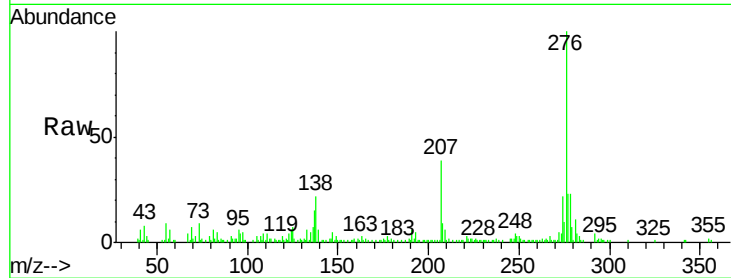
Tgt Ion:278 Resp: 31219

Ion Ratio Lower Upper

278 100

139 24.4 14.2 21.4#

279 29.6 18.8 28.2#



#41

Benzo(g,h,i)perylene

Concen: 5.36 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. 0.01 min

Lab File: BM005733.D

Acq: 11 Jun 2016 22:38

Tgt Ion:276 Resp: 108782

Ion Ratio Lower Upper

276 100

138 22.1 18.2 27.4

277 24.5 19.5 29.3

