

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
 Data File : BM005728.D
 Acq On : 11 Jun 2016 15:55
 Operator : UM/SJ
 Sample : H3411-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y51

Quant Time: Jun 11 23:26:08 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	7.75	152	99259	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	533128	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	341631	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	790468	20.00	ng/ul	0.00
29) Chrysene-d12	21.31	240	867678	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	868405	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	3083	1.35	ng/uL	0.00
3) Phenol-d5	6.93	99	205346	23.97	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	139091	27.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	174326	25.17	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	182394	25.20	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	98482	25.63	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	101947	23.47	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	205480	26.08	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	62084	6.53	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	586962	20.83	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	946603	27.46	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	92136	22.35	ng/ul	0.00
21) Fluorene-d10	15.38	176	680483	28.52	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	59221	14.48	ng/ul	0.00
26) Anthracene-d10	17.23	188	1145261	30.76	ng/ul	0.00
30) Pyrene-d10	19.53	212	1305103	31.31	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	1228960	31.03	ng/ul	0.00

Target Compounds

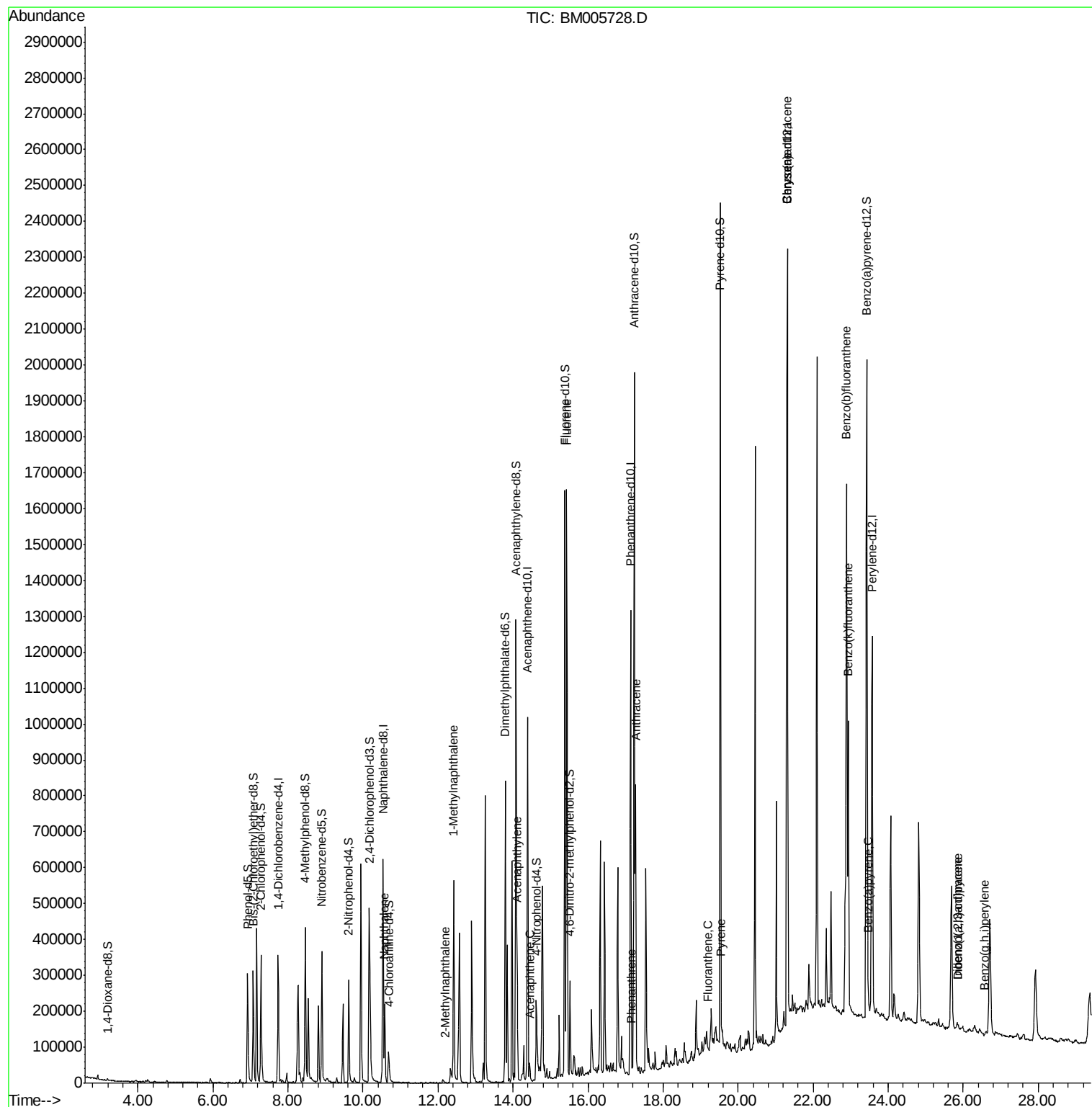
						Qvalue
11) Naphthalene	10.58	128	181918	6.81	ng/ul	100
13) 2-Methylnaphthalene	12.20	142	555	0.03	ng/ul	96
14) 1-Methylnaphthalene	12.42	142	266883	13.45	ng/ul	99
18) Acenaphthylene	14.11	152	225918	6.40	ng/ul	99
19) Acenaphthene	14.45	153	18949	0.83	ng/ul	99
22) Fluorene	15.44	166	594539	22.69	ng/ul	100
25) Phenanthrene	17.17	178	2671	0.06	ng/ul	98
27) Anthracene	17.27	178	494600	11.26	ng/ul	99
28) Fluoranthene	19.19	202	1699	0.03	ng/ul#	72
31) Pyrene	19.56	202	917	0.02	ng/ul#	64
32) Benzo(a)anthracene	21.30	228	972036	19.40	ng/ul	99
33) Chrysene	21.30	228	972036	19.67	ng/ul	96
35) Benzo(b)fluoranthene	22.89	252	1089460	21.12	ng/ul	99
36) Benzo(k)fluoranthene	22.93	252	587460	11.27	ng/ul	99
38) Benzo(a)pyrene	23.47	252	502	0.01	ng/ul#	1
39) Indeno(1,2,3-cd)pyrene	25.87	276	383	0.01	ng/ul#	49
40) Dibenzo(a,h)anthracene	25.87	278	239	0.01	ng/ul#	1
41) Benzo(g,h,i)perylene	26.56	276	223	0.01	ng/ul#	52

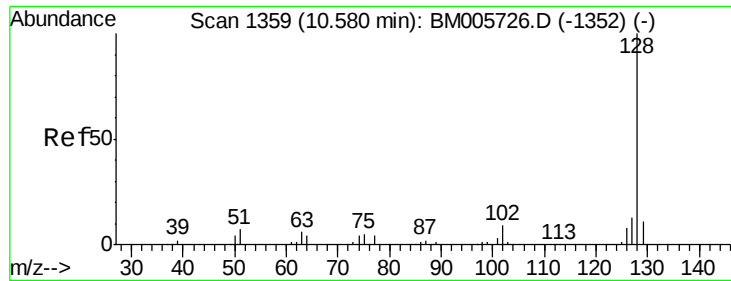
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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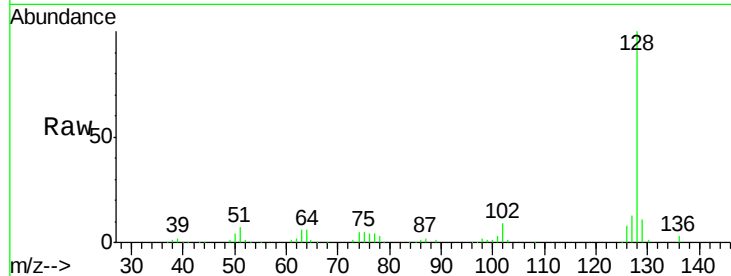




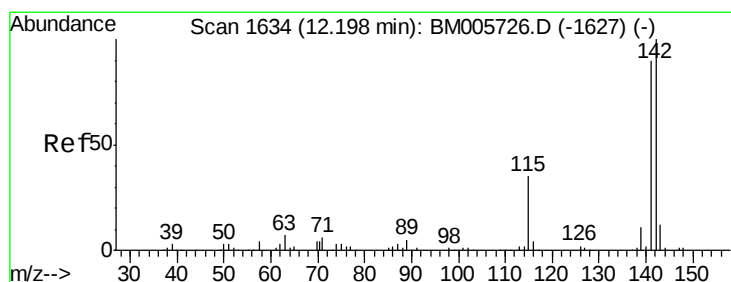
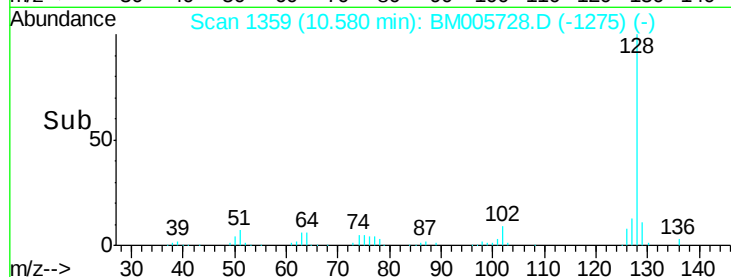
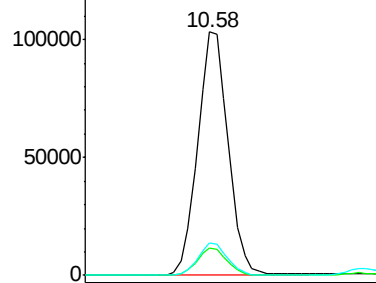
#11
Naphthalene
Concen: 6.81 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

Instrument :
BNA_M
ClientSampleId :
D9Y51

Tgt Ion:128 Resp: 181918
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.3 15.5

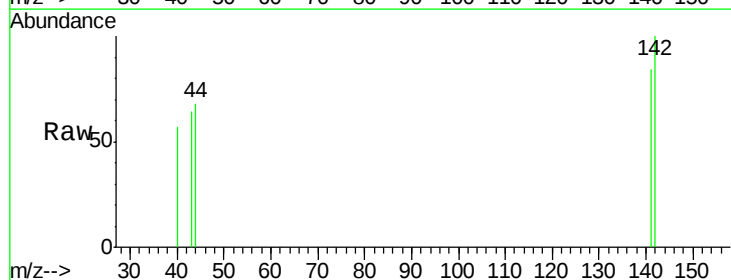


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

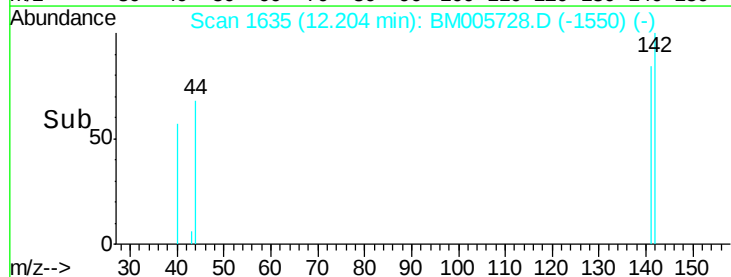
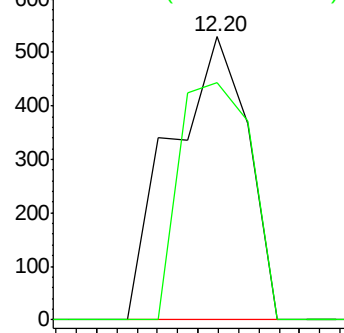


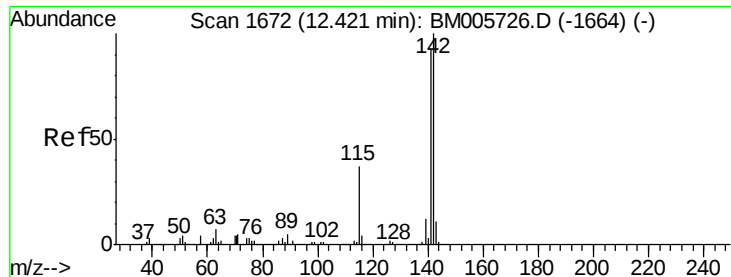
#13
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.20 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

Tgt Ion:142 Resp: 555
Ion Ratio Lower Upper
142 100
141 83.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

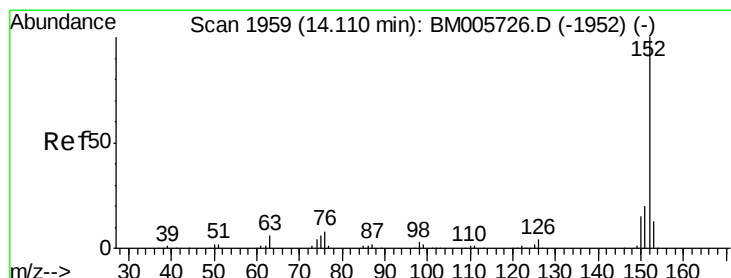
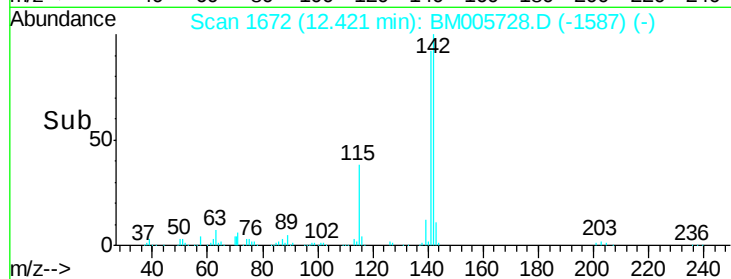
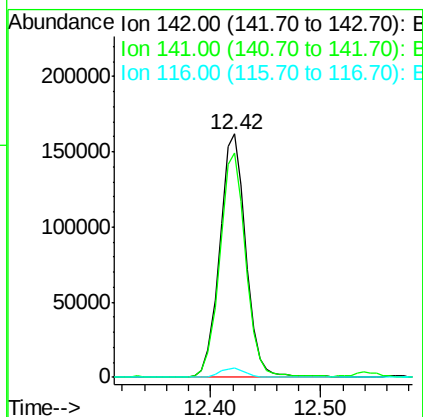
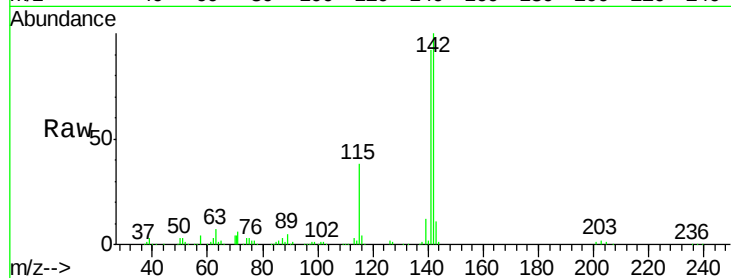




#14
1-Methylnaphthalene
Concen: 13.45 ng/ul
RT: 12.42 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

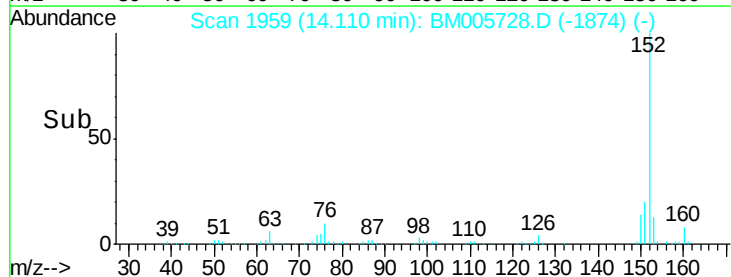
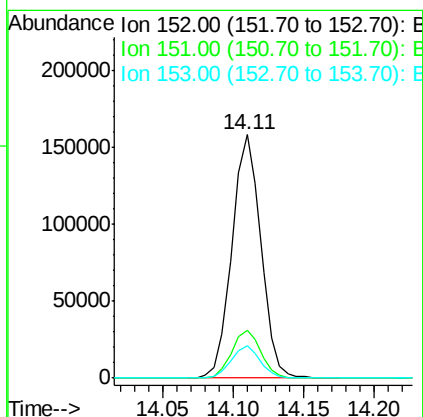
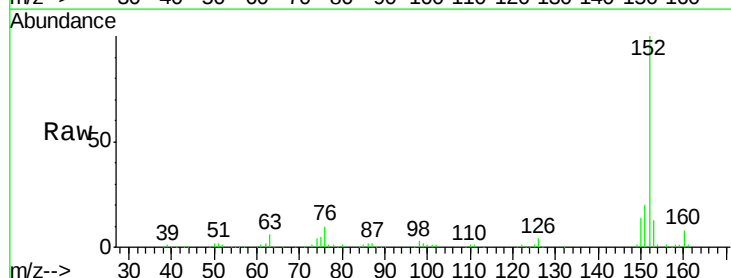
Instrument :
BNA_M
ClientSampleId :
D9Y51

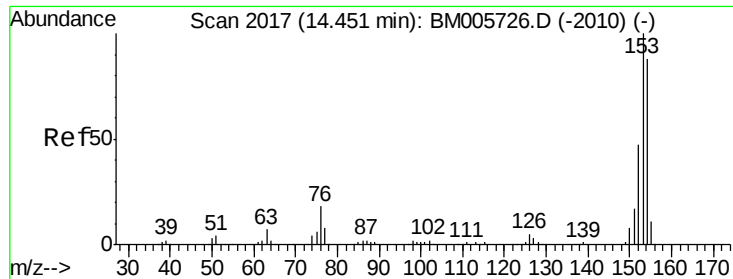
Tgt Ion:142 Resp: 266883
Ion Ratio Lower Upper
142 100
141 92.0 74.6 111.8
116 3.8 3.0 4.6



#18
Acenaphthylene
Concen: 6.40 ng/ul
RT: 14.11 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

Tgt Ion:152 Resp: 225918
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 13.2 10.4 15.6





#19

Acenaphthene

Concen: 0.83 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

Instrument :

BNA_M

ClientSampleId :

D9Y51

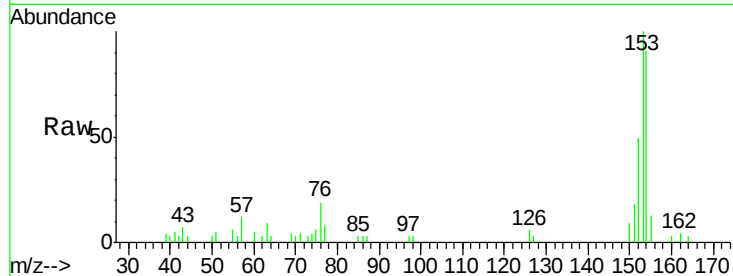
Tgt Ion:153 Resp: 18949

Ion Ratio Lower Upper

153 100

152 49.5 38.8 58.2

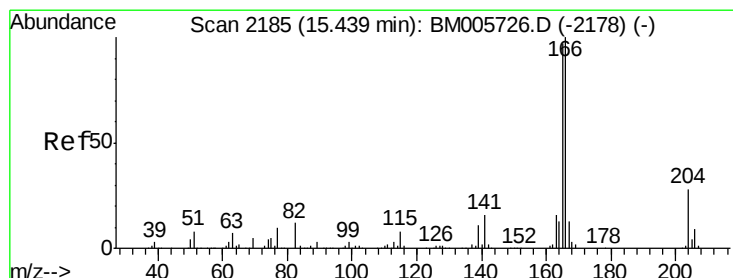
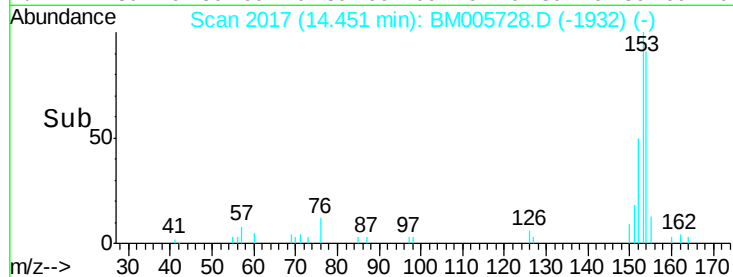
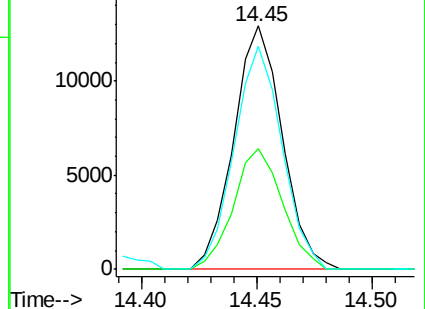
154 91.4 72.5 108.7



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: 22.69 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

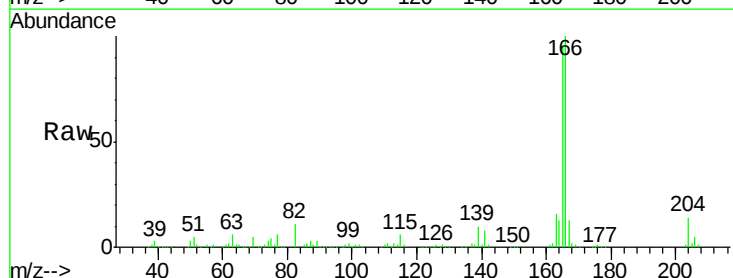
Tgt Ion:166 Resp: 594539

Ion Ratio Lower Upper

166 100

165 95.6 76.4 114.6

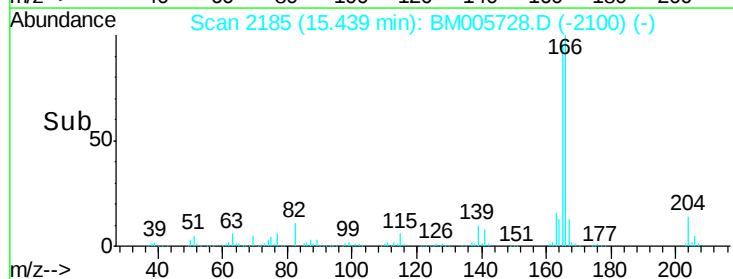
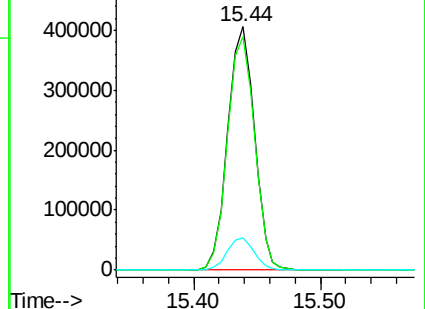
167 13.1 10.6 16.0

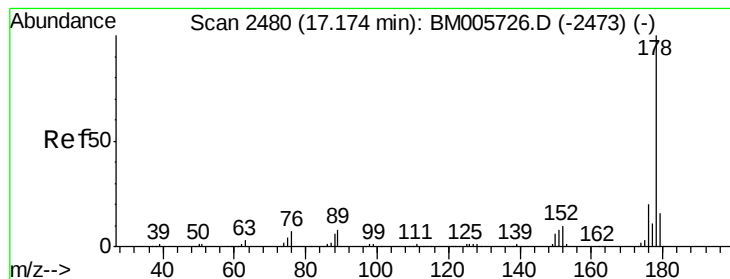


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

Instrument :

BNA_M

ClientSampleId :

D9Y51

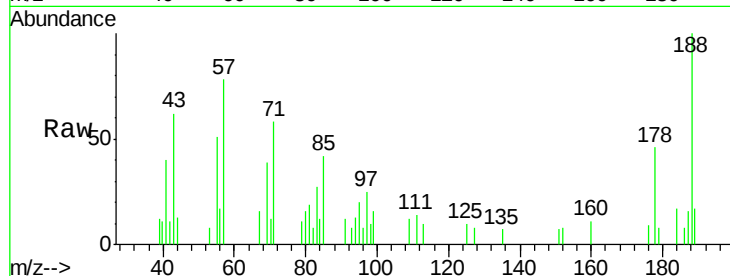
Tgt Ion:178 Resp: 2671

Ion Ratio Lower Upper

178 100

179 16.9 12.4 18.6

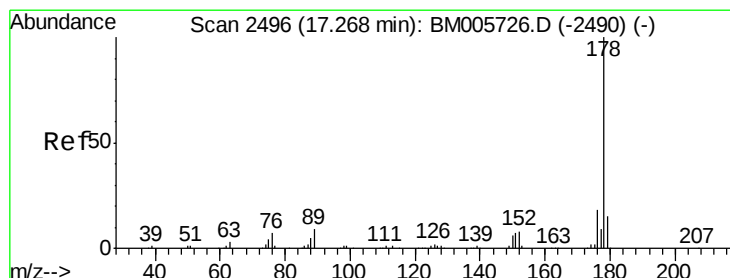
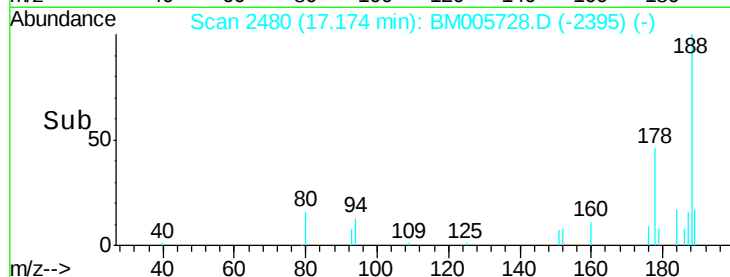
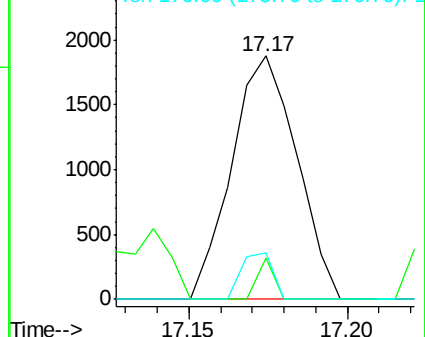
176 19.0 15.8 23.6



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: 11.26 ng/ul

RT: 17.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

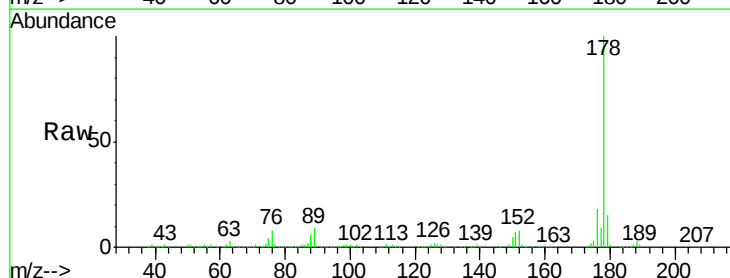
Tgt Ion:178 Resp: 494600

Ion Ratio Lower Upper

178 100

179 14.9 12.1 18.1

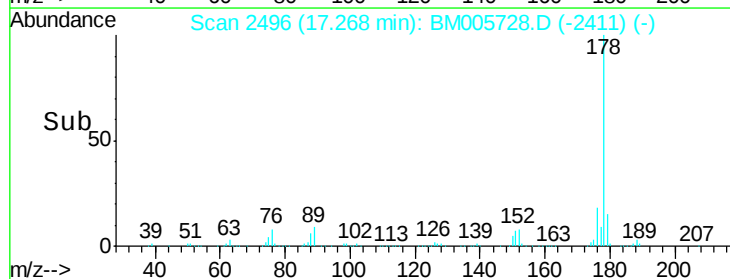
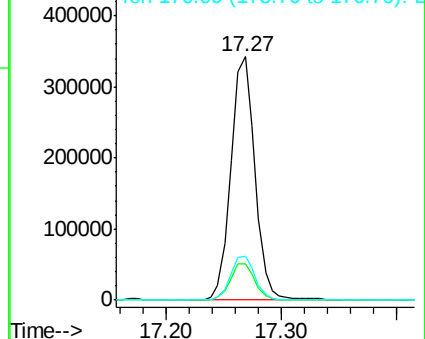
176 17.9 15.0 22.6

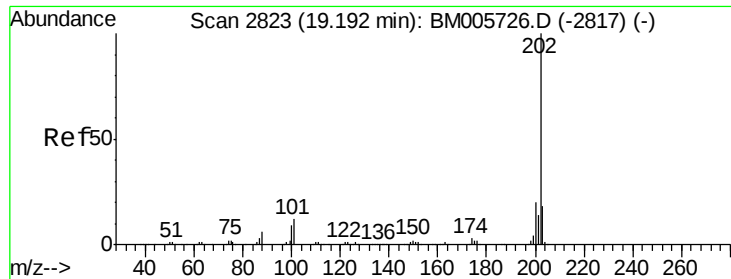


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

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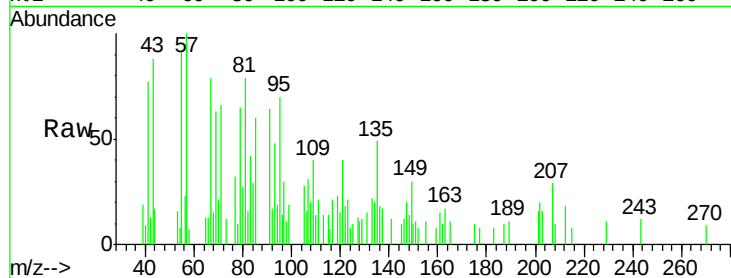
Tgt Ion:202 Resp: 1699

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.2#

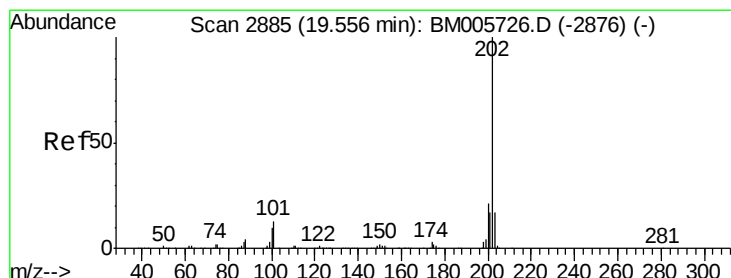
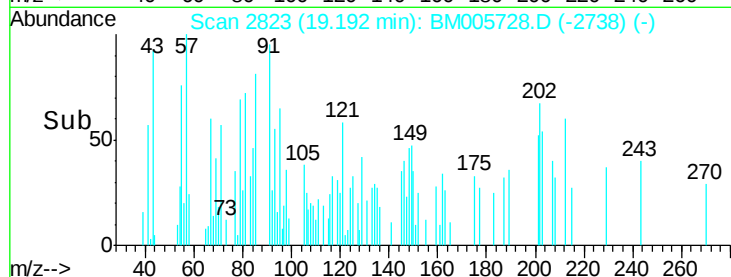
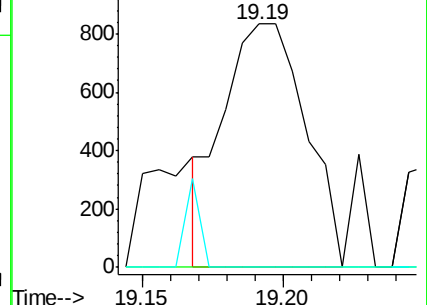
100 0.0 6.9 10.3#



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: 0.02 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

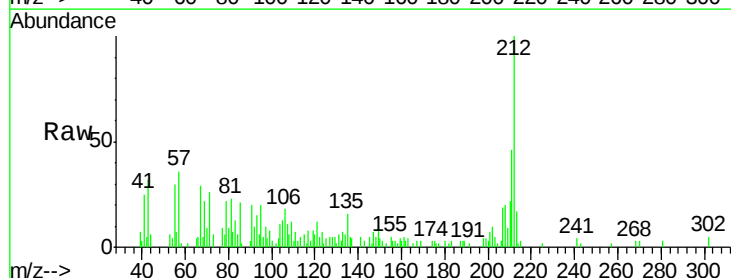
Tgt Ion:202 Resp: 917

Ion Ratio Lower Upper

202 100

101 0.0 10.6 15.8#

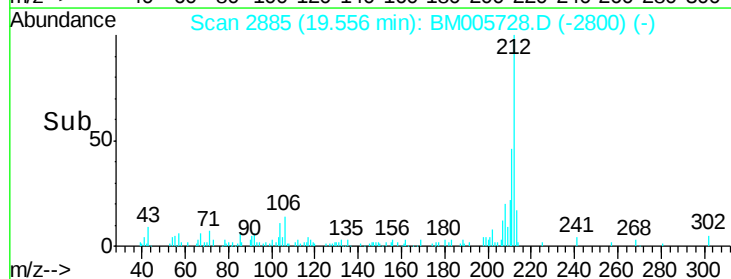
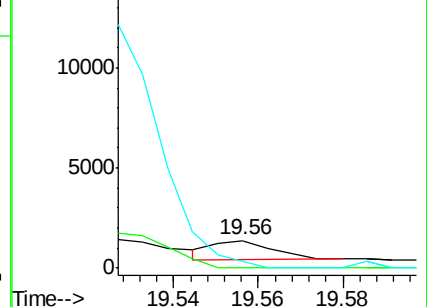
100 25.7 8.4 12.6#

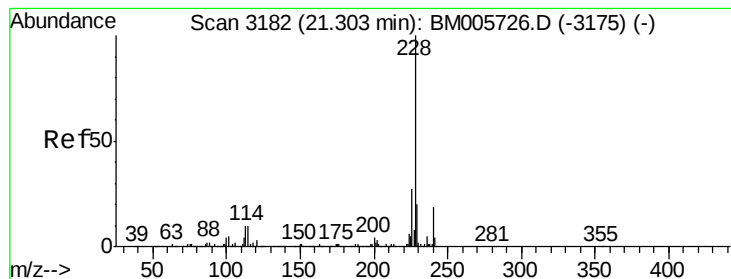


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 19.40 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BM005728.D

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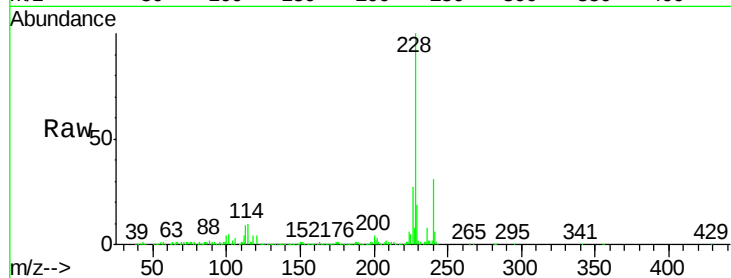
Tgt Ion:228 Resp: 972036

Ion Ratio Lower Upper

228 100

229 19.4 16.1 24.1

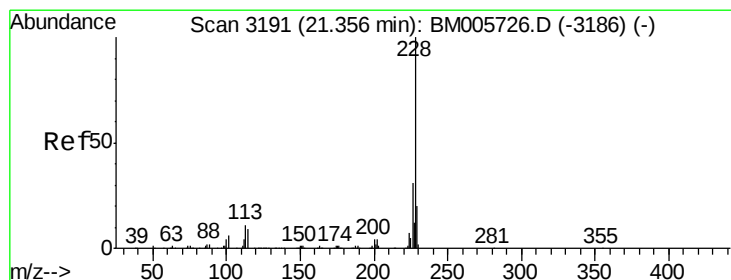
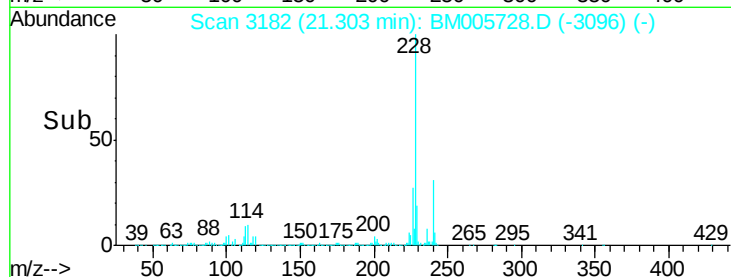
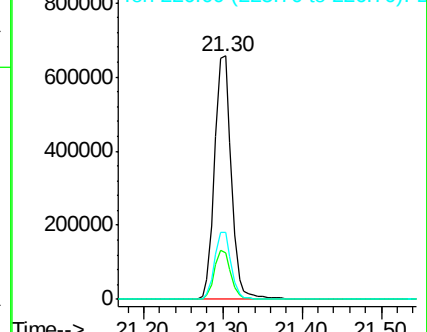
226 27.3 22.1 33.1



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: 19.67 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. -0.05 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

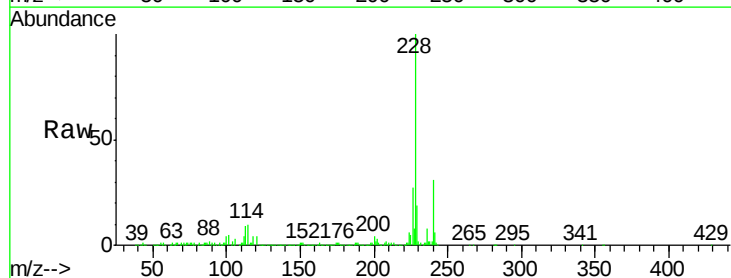
Tgt Ion:228 Resp: 972036

Ion Ratio Lower Upper

228 100

226 27.3 24.2 36.2

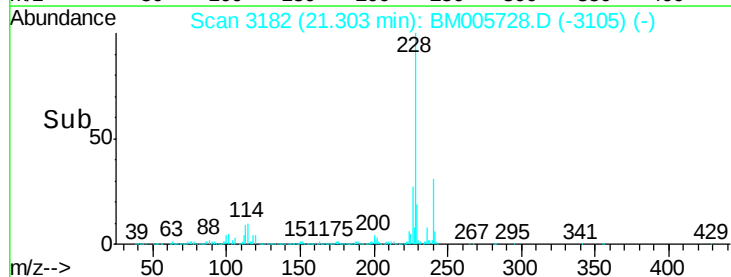
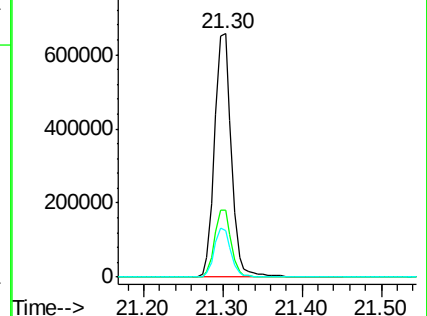
229 19.4 15.8 23.8

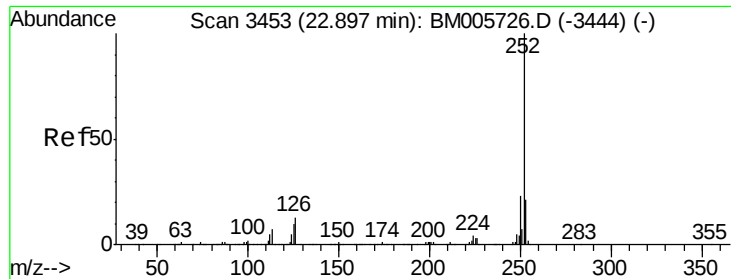


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

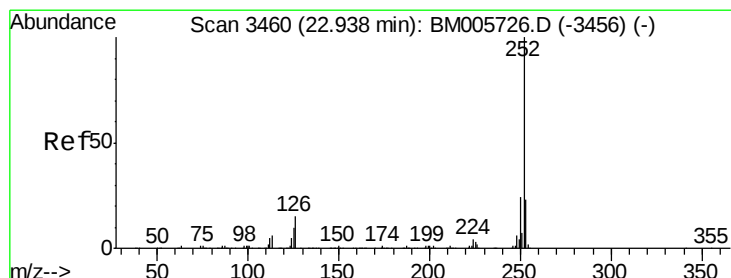
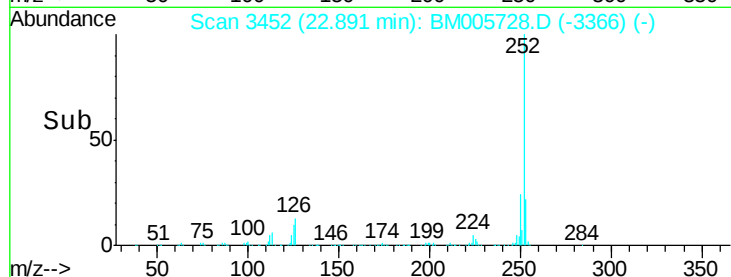
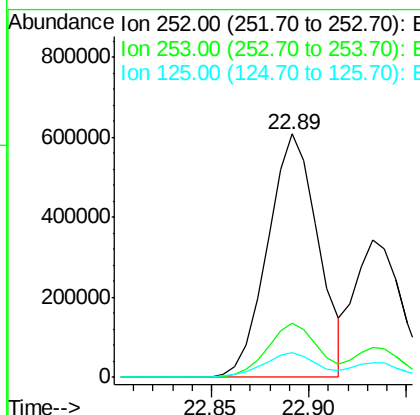
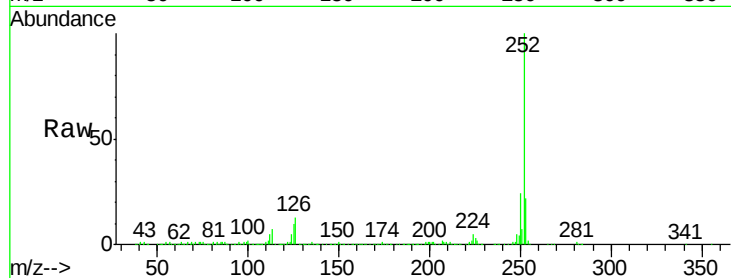




#35
Benzo(b)fluoranthene
Concen: 21.12 ng/ul
RT: 22.89 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

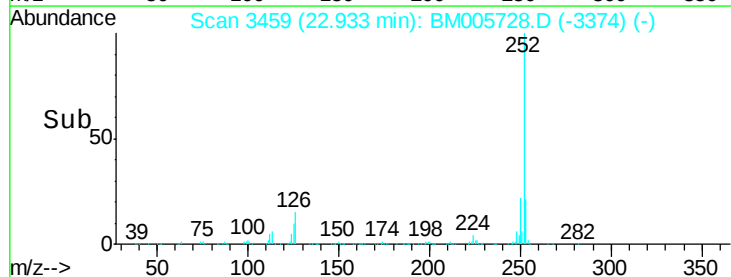
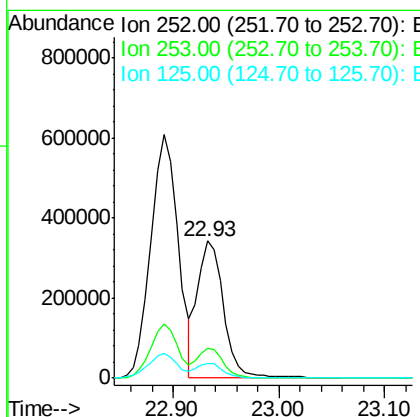
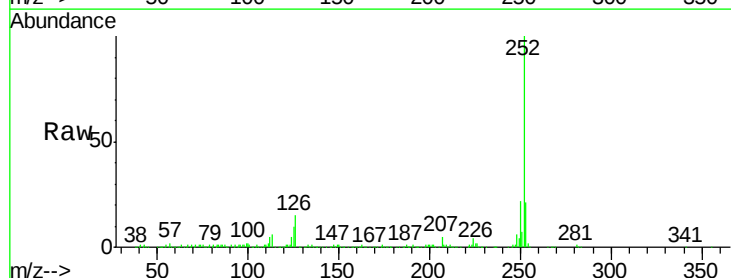
Instrument :
BNA_M
ClientSampleId :
D9Y51

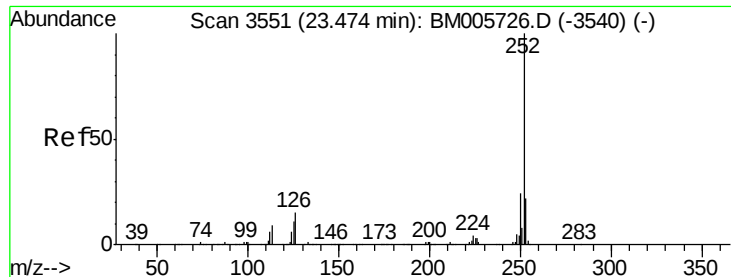
Tgt Ion:252 Resp: 1089460
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.1 8.4 12.6



#36
Benzo(k)fluoranthene
Concen: 11.27 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BM005728.D
Acq: 11 Jun 2016 15:55

Tgt Ion:252 Resp: 587460
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.3 8.2 12.2





#38

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

Instrument :

BNA_M

ClientSampleId :

D9Y51

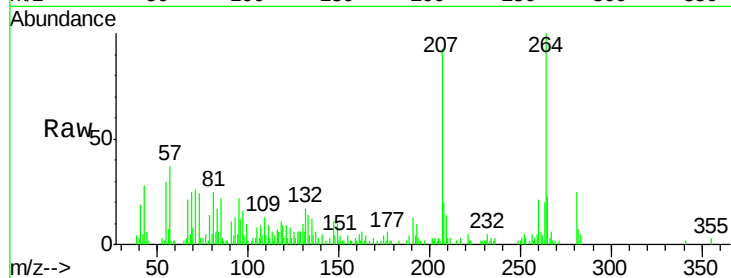
Tgt Ion:252 Resp: 502

Ion Ratio Lower Upper

252 100

253 58.4 17.7 26.5#

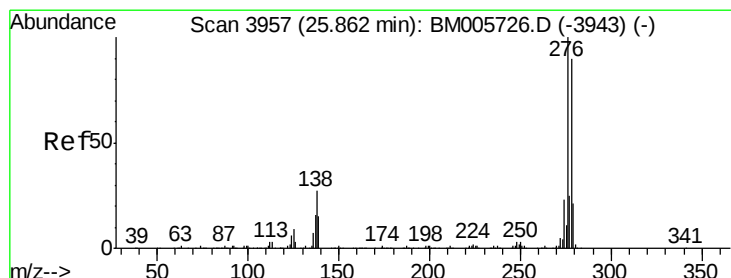
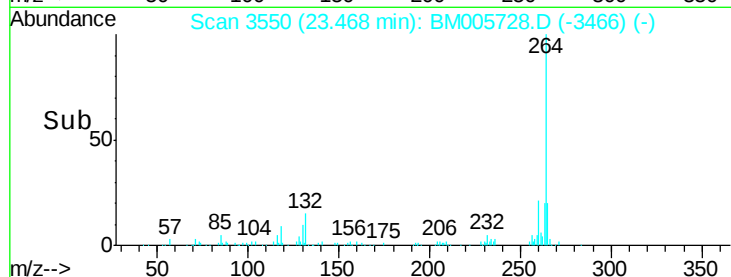
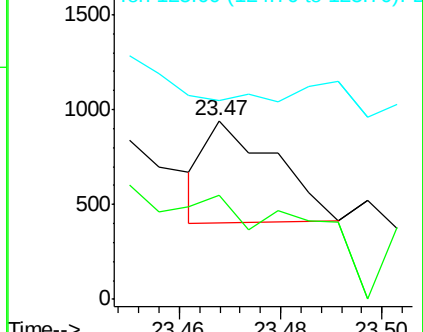
125 111.3 9.1 13.7#



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: 0.01 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.02 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

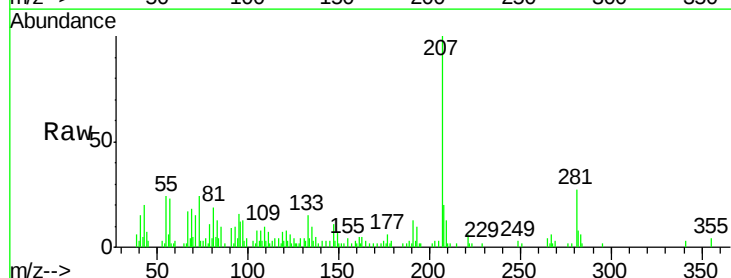
Tgt Ion:276 Resp: 383

Ion Ratio Lower Upper

276 100

138 0.0 21.4 32.2#

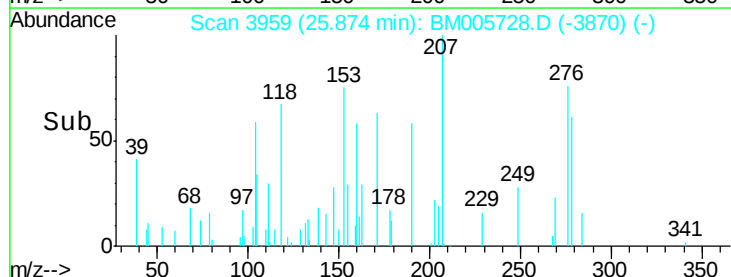
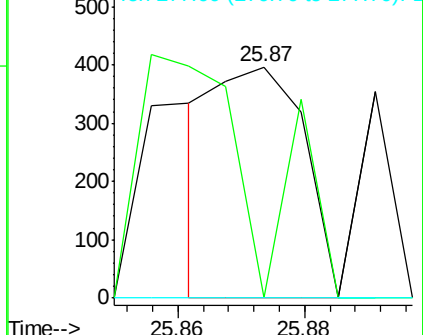
277 0.0 20.5 30.7#

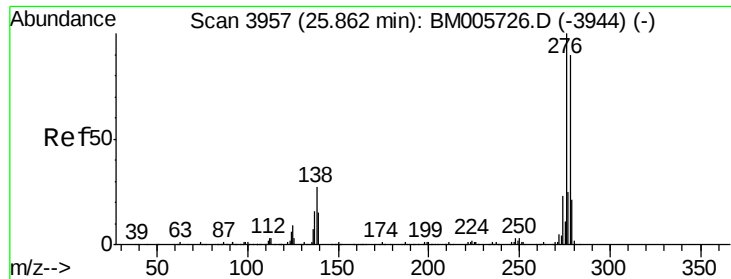


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. 0.01 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

Instrument :

BNA_M

ClientSampleId :

D9Y51

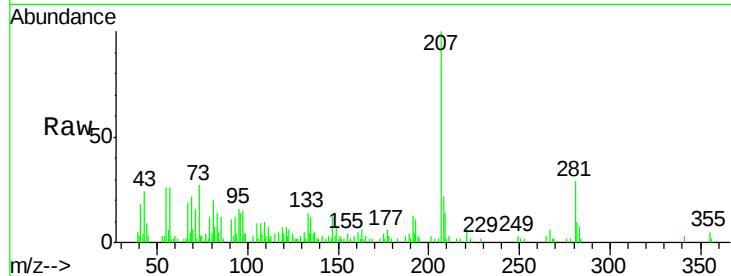
Tgt Ion:278 Resp: 239

Ion Ratio Lower Upper

278 100

139 114.8 14.2 21.4#

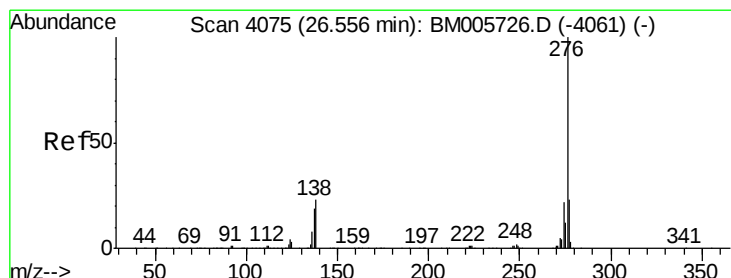
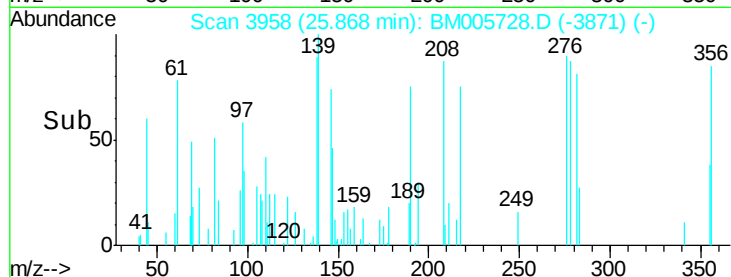
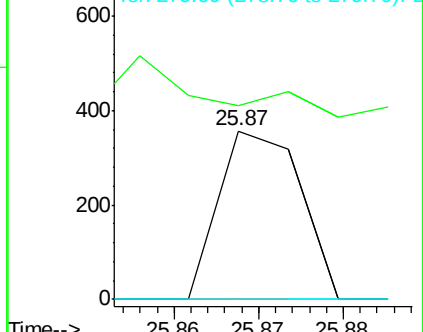
279 0.0 18.8 28.2#



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: 0.01 ng/ul

RT: 26.56 min Scan# 4076

Delta R.T. 0.01 min

Lab File: BM005728.D

Acq: 11 Jun 2016 15:55

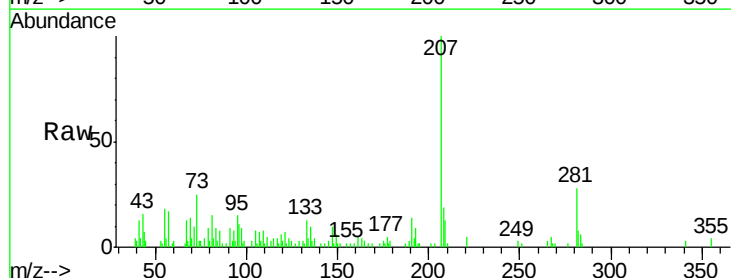
Tgt Ion:276 Resp: 223

Ion Ratio Lower Upper

276 100

138 0.0 18.2 27.4#

277 0.0 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

