

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006633.D
 Acq On : 22 Jul 2016 20:30
 Operator : UM/SJ
 Sample : H4077-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT4

Quant Time: Jul 23 00:19:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	197658	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	836496	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	457525	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	977508	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	938915	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1036636	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	7765	1.59	ng/uL	0.00
3) Phenol-d5	6.80	99	291813	17.35	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	208039	19.97	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	245910	18.30	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	203132	15.58	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	128235	20.25	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	119514	17.75	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	233924	18.38	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	207799	14.83	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	726230	20.24	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	963715	21.05	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	53318	8.56	ng/ul	0.02
21) Fluorene-d10	15.27	176	664981	20.73	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	19164	3.78	ng/ul	0.01
26) Anthracene-d10	17.12	188	992279	21.38	ng/ul	0.00
30) Pyrene-d10	19.43	212	1033578	24.16	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1013662	21.26	ng/ul	0.02

Target Compounds

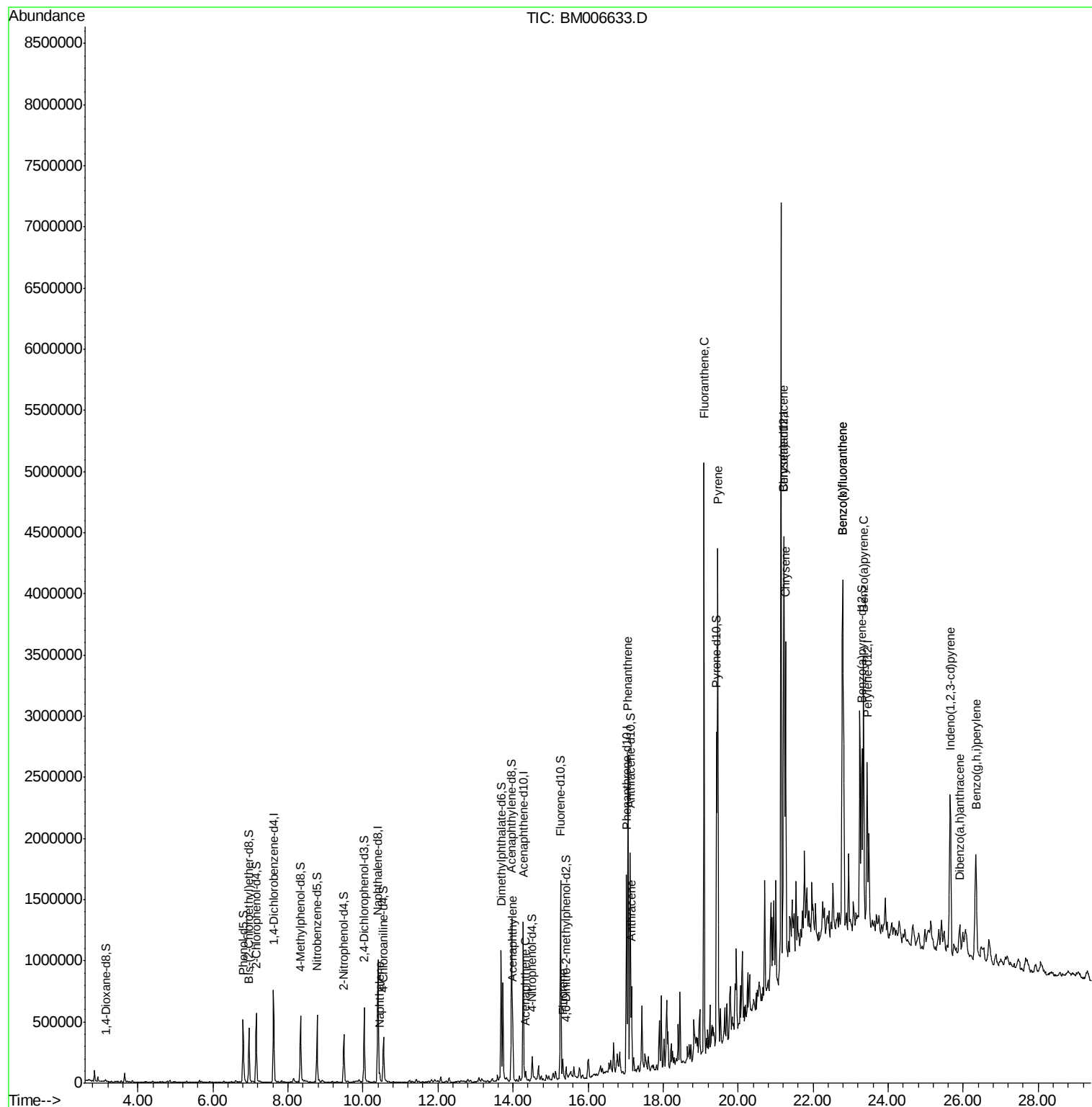
						Qvalue
11) Naphthalene	10.45	128	47920	1.11	ng/ul	98
18) Acenaphthylene	13.99	152	281506	5.74	ng/ul	98
19) Acenaphthene	14.34	153	31662	1.00	ng/ul	96
22) Fluorene	15.33	166	71522	2.01	ng/ul#	91
25) Phenanthrene	17.07	178	1571835	28.59	ng/ul	97
27) Anthracene	17.16	178	433488	7.66	ng/ul	99
28) Fluoranthene	19.09	202	3091114	47.86	ng/ul	99
31) Pyrene	19.46	202	2603044	45.79	ng/ul	97
32) Benzo(a)anthracene	21.22	228	1507897	26.50	ng/ul	95
33) Chrysene	21.27	228	1646163	31.38	ng/ul	96
35) Benzo(b)fluoranthene	22.79	252	2580049	41.52	ng/ul	100
36) Benzo(k)fluoranthene	22.79	252	2580049	42.94	ng/ul	99
38) Benzo(a)pyrene	23.34	252	1614057	26.69	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.66	276	1281657	18.30	ng/ul	99
40) Dibenzo(a,h)anthracene	25.90	278	241877	4.17	ng/ul	93
41) Benzo(g,h,i)perylene	26.34	276	1126323	18.76	ng/ul	97

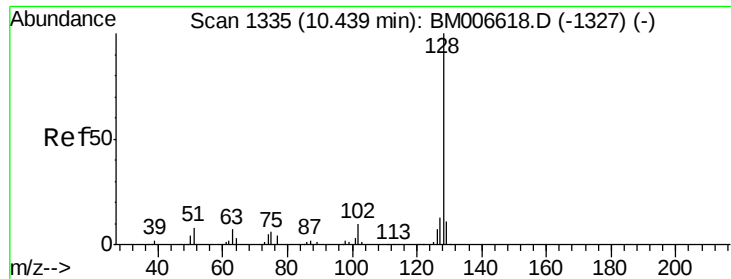
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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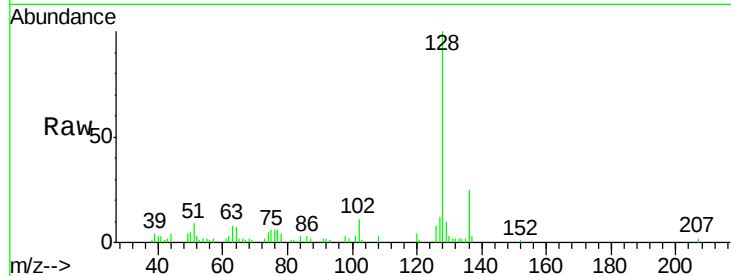




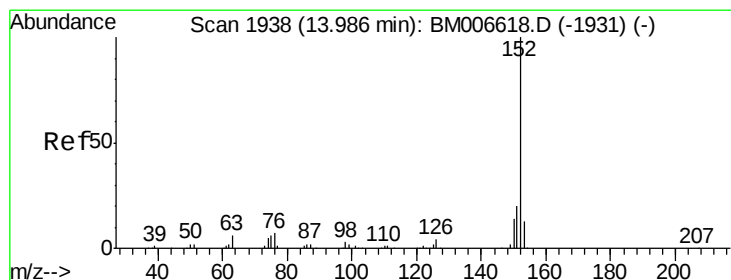
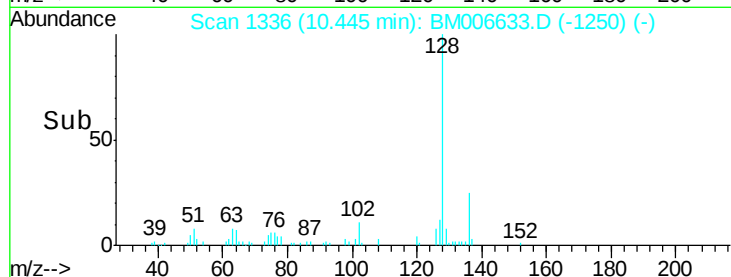
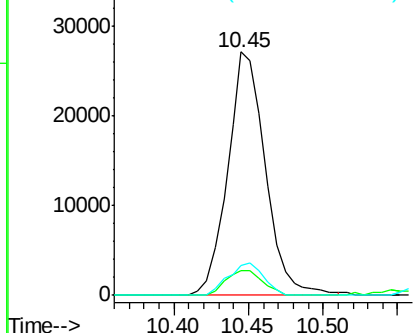
#11
Naphthalene
Concen: 1.11 ng/ul
RT: 10.45 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BM006633.D
Acq: 22 Jul 2016 20:30

Instrument :
BNA_M
ClientSampleId :
D9YT4

Tgt Ion:128 Resp: 47920
Ion Ratio Lower Upper
128 100
129 10.3 8.3 12.5
127 12.5 10.8 16.2

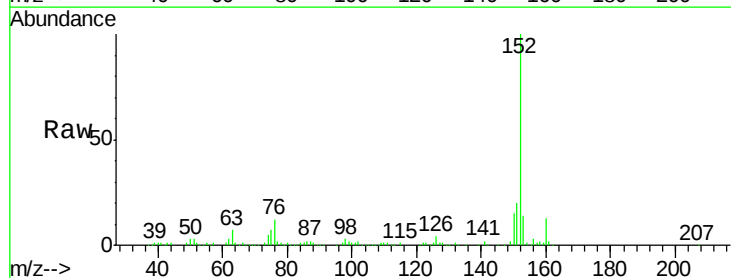


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

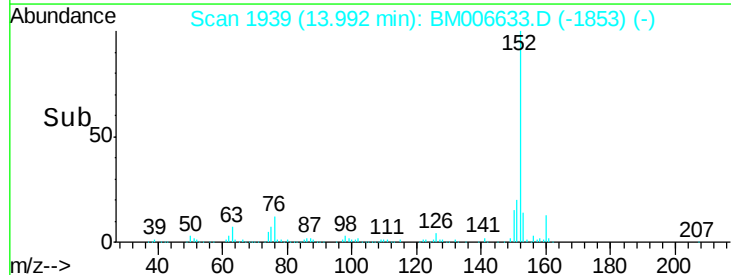
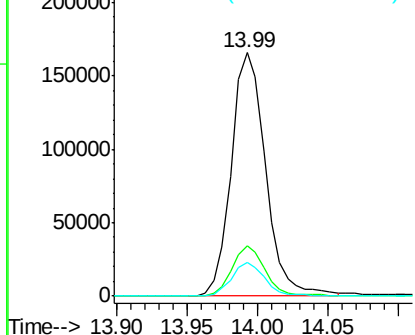


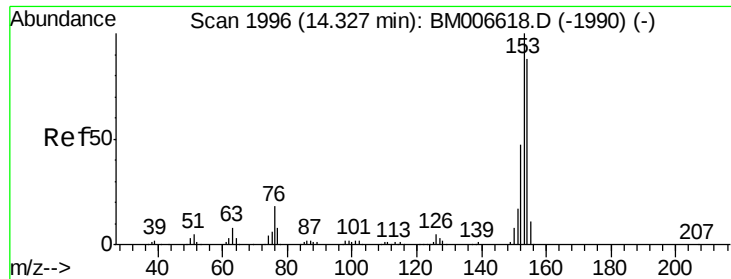
#18
Acenaphthylene
Concen: 5.74 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006633.D
Acq: 22 Jul 2016 20:30

Tgt Ion:152 Resp: 281506
Ion Ratio Lower Upper
152 100
151 20.5 17.3 25.9
153 13.6 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 1.00 ng/ul

RT: 14.34 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

D9YT4

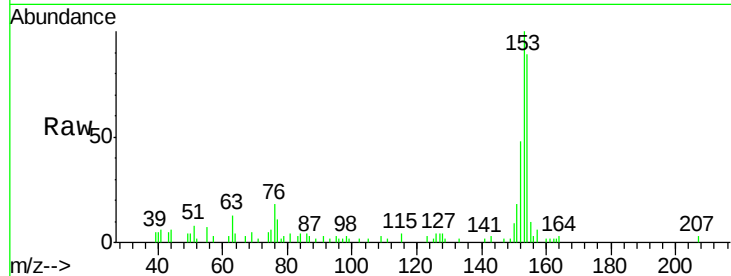
Tgt Ion:153 Resp: 31662

Ion Ratio Lower Upper

153 100

152 47.5 36.5 54.7

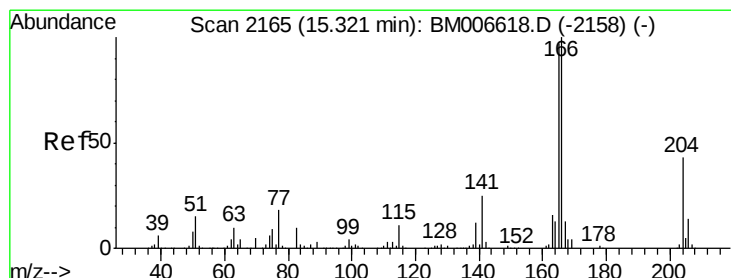
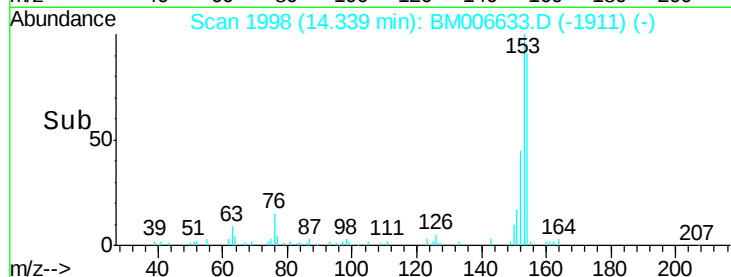
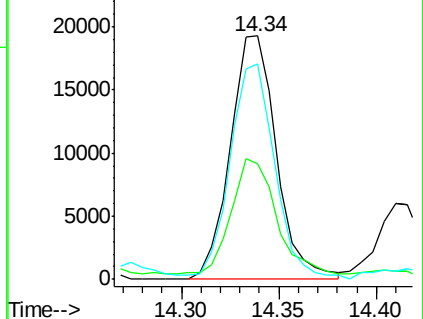
154 88.5 67.3 100.9



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: 2.01 ng/ul

RT: 15.33 min Scan# 2166

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

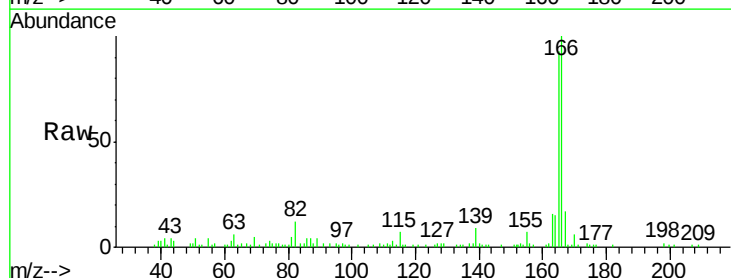
Tgt Ion:166 Resp: 71522

Ion Ratio Lower Upper

166 100

165 92.8 81.1 121.7

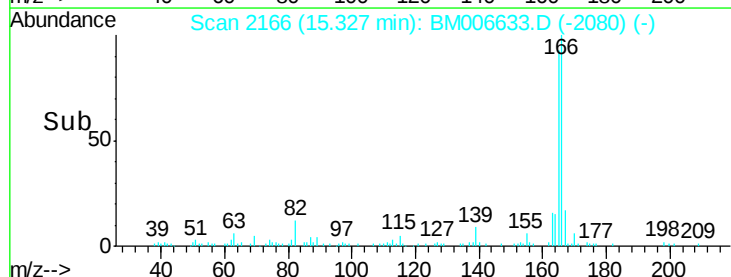
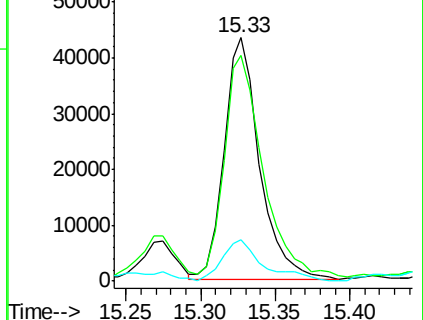
167 17.2 10.6 16.0#

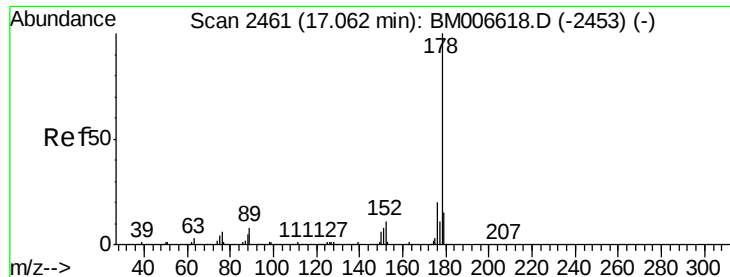


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 28.59 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

D9YT4

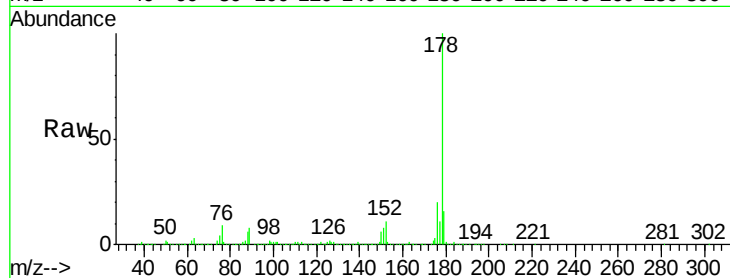
Tgt Ion:178 Resp: 1571835

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

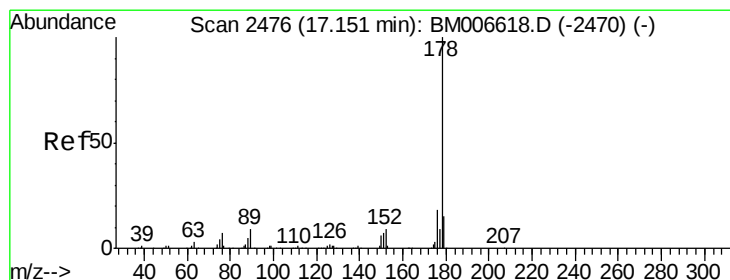
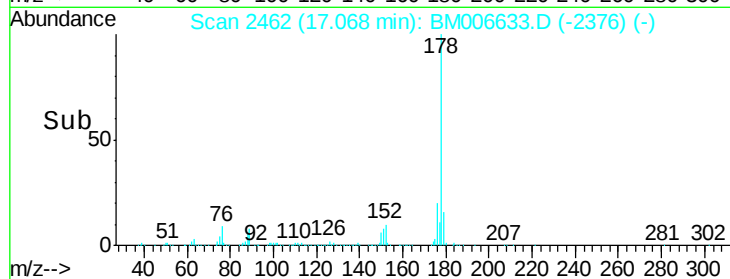
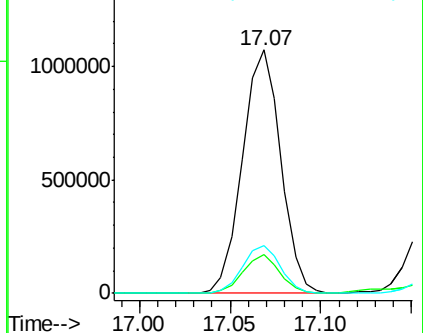
176 19.7 14.8 22.2



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: 7.66 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

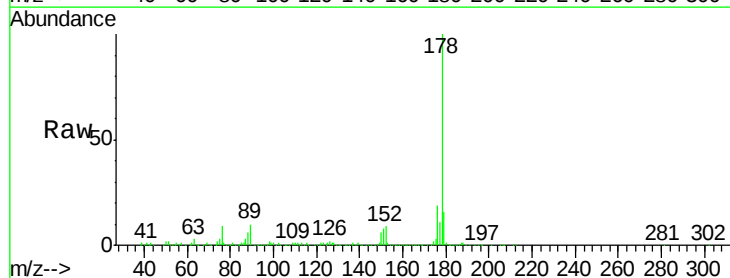
Tgt Ion:178 Resp: 433488

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

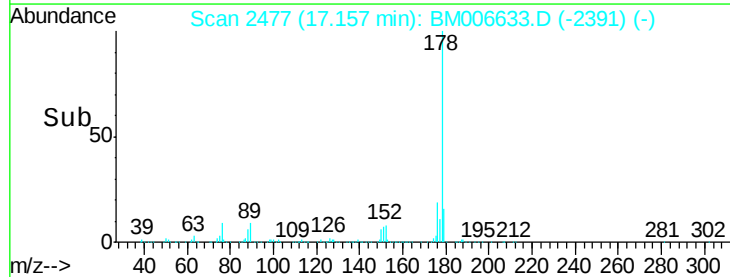
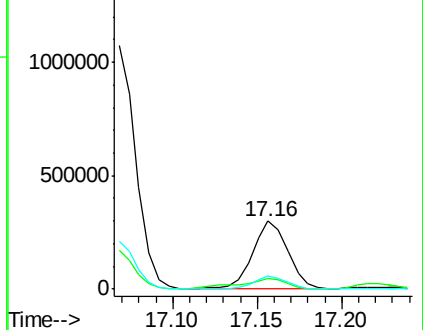
176 18.9 15.6 23.4

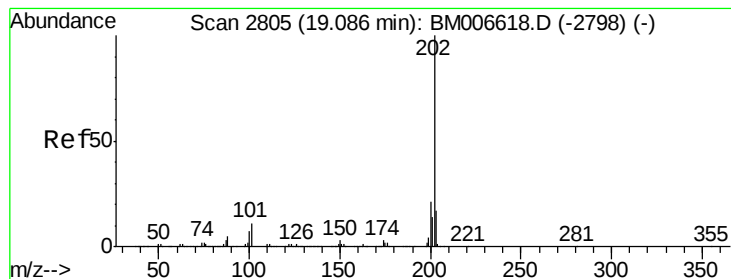


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 47.86 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

D9YT4

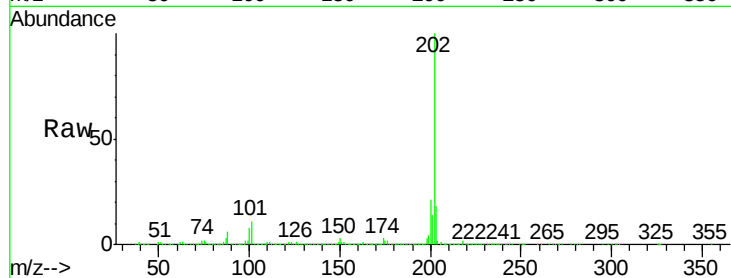
Tgt Ion:202 Resp: 3091114

Ion Ratio Lower Upper

202 100

101 10.8 8.9 13.3

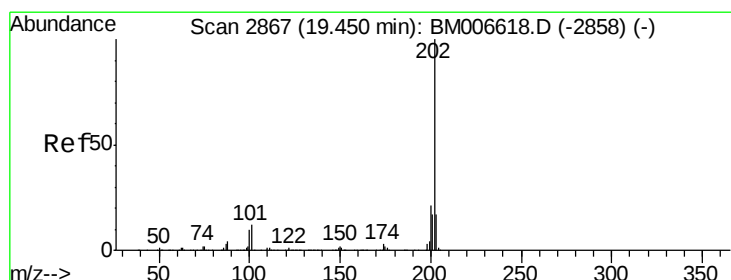
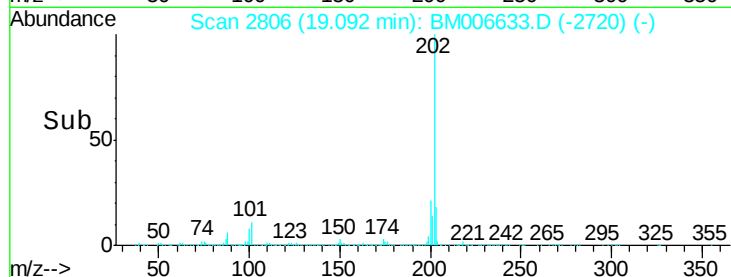
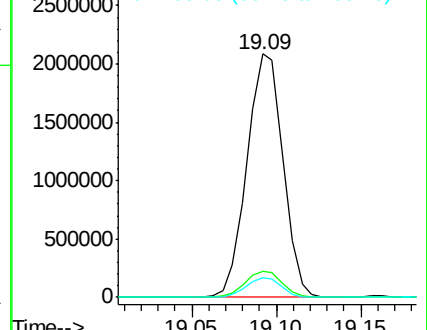
100 7.8 7.0 10.4



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: 45.79 ng/ul

RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

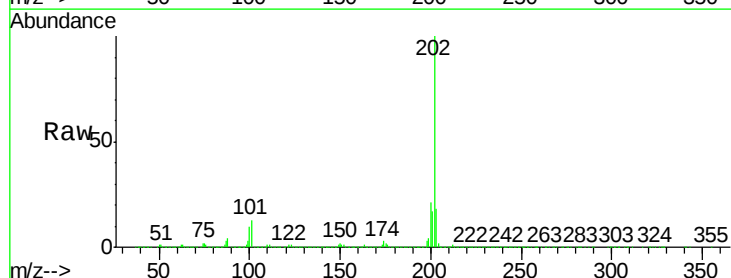
Tgt Ion:202 Resp: 2603044

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.8

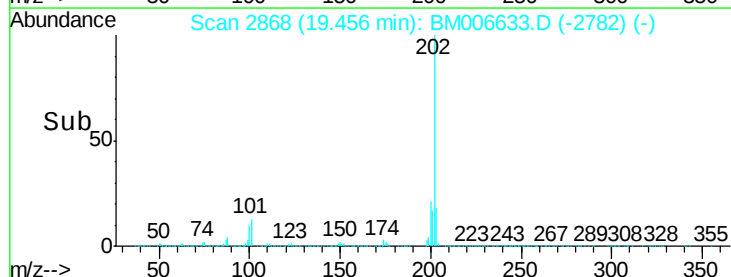
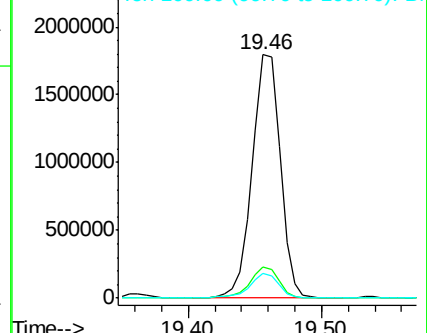
100 10.0 9.3 13.9

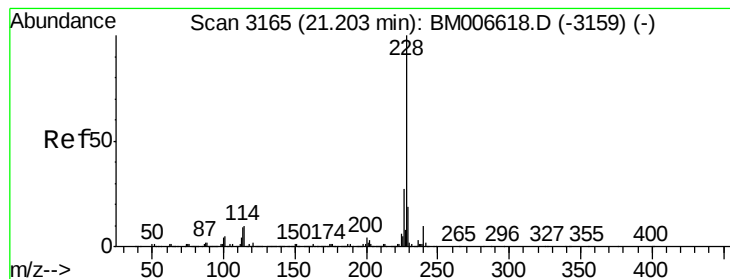


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 26.50 ng/ul

RT: 21.22 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

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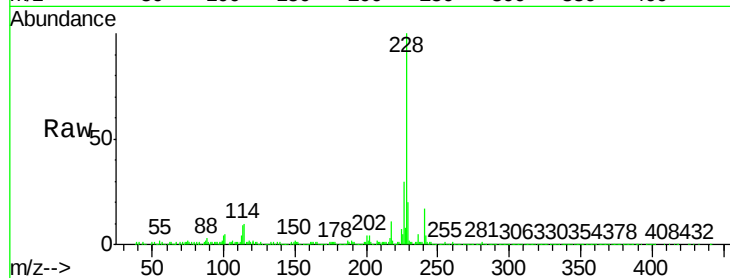
Tgt Ion:228 Resp: 1507897

Ion Ratio Lower Upper

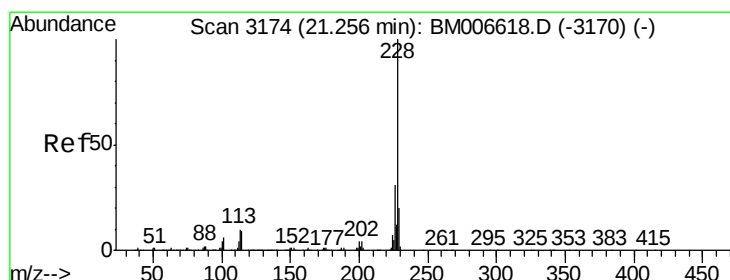
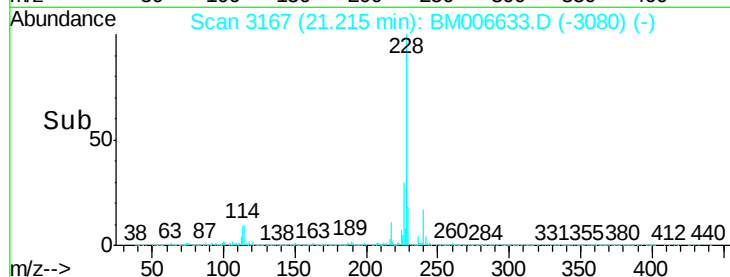
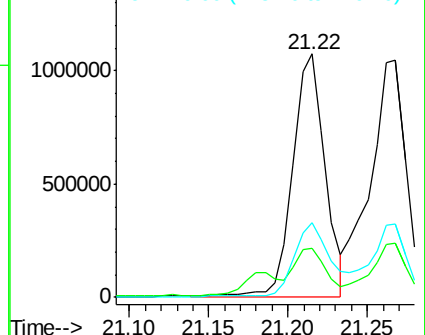
228 100

229 20.4 16.6 25.0

226 30.4 21.0 31.4



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: 31.38 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

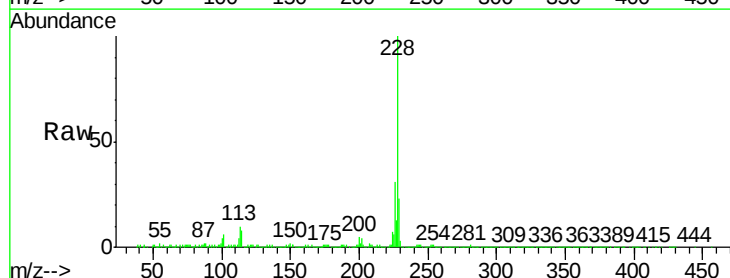
Tgt Ion:228 Resp: 1646163

Ion Ratio Lower Upper

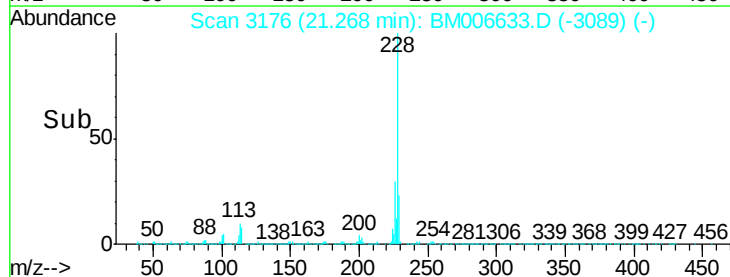
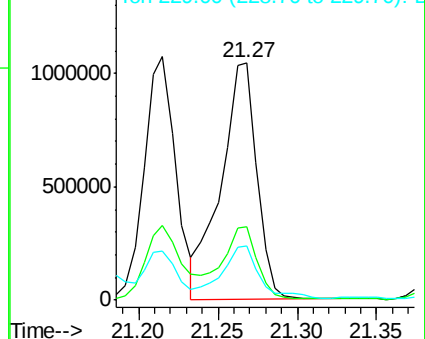
228 100

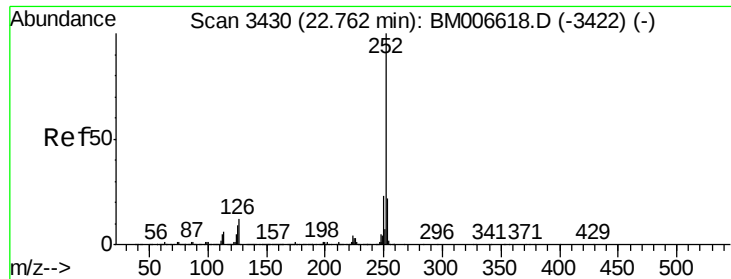
226 30.6 23.4 35.2

229 22.9 16.2 24.2



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: 41.52 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. 0.02 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

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BNA_M

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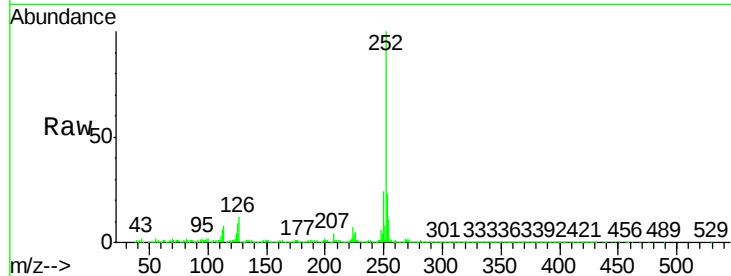
Tgt Ion:252 Resp: 2580049

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

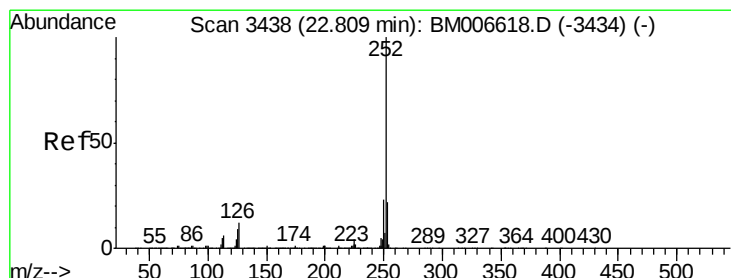
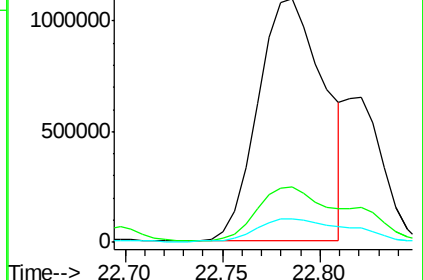
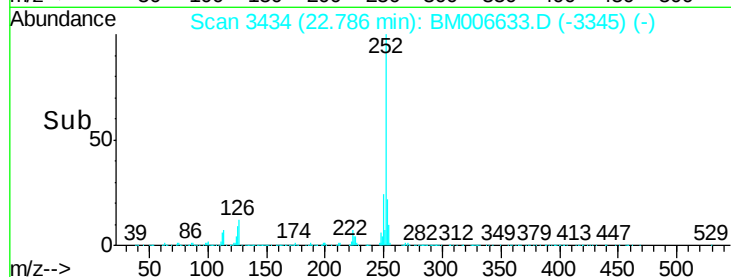
125 9.4 7.6 11.4



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: 42.94 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. -0.02 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

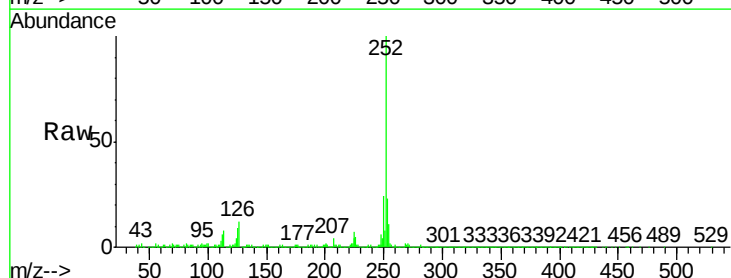
Tgt Ion:252 Resp: 2580049

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

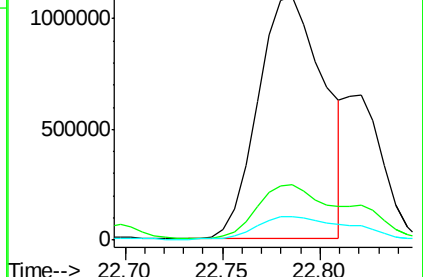
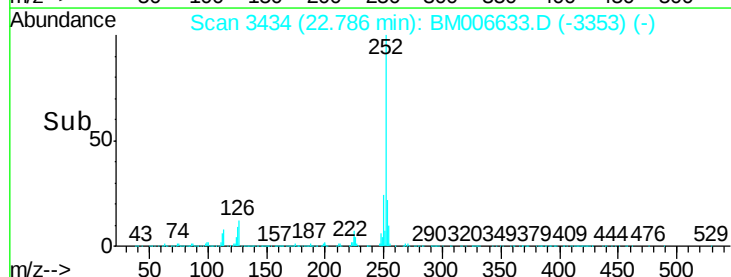
125 9.4 7.7 11.5

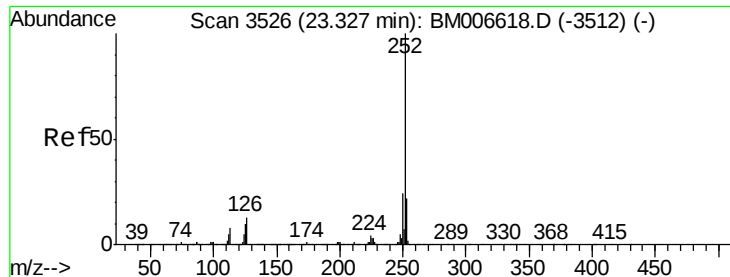


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 26.69 ng/ul

RT: 23.34 min Scan# 3529

Delta R.T. 0.02 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

D9YT4

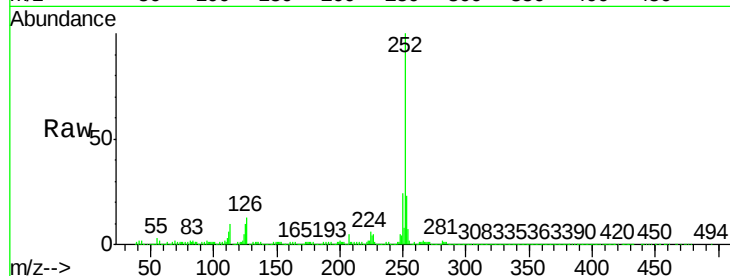
Tgt Ion:252 Resp: 1614057

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

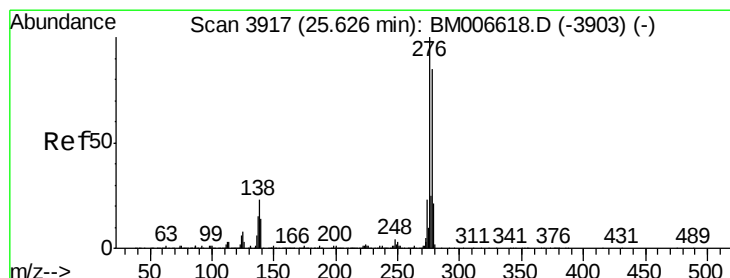
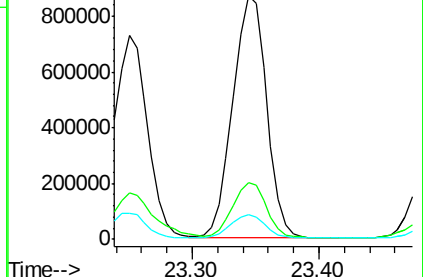
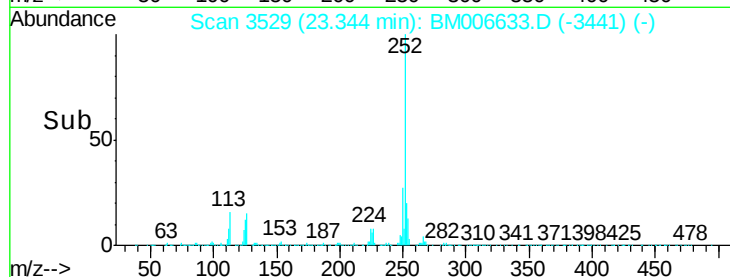
125 10.2 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 18.30 ng/ul

RT: 25.66 min Scan# 3922

Delta R.T. 0.03 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

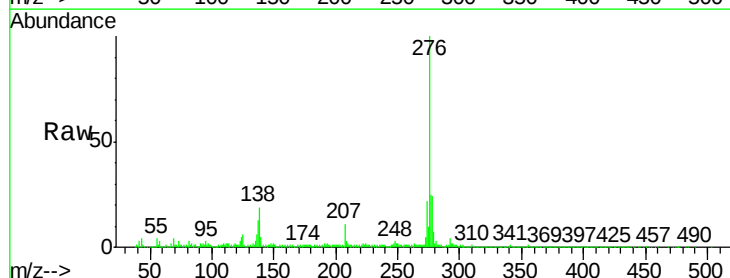
Tgt Ion:276 Resp: 1281657

Ion Ratio Lower Upper

276 100

138 19.4 15.8 23.6

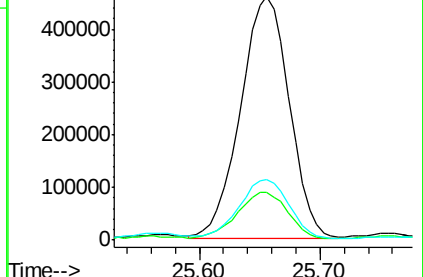
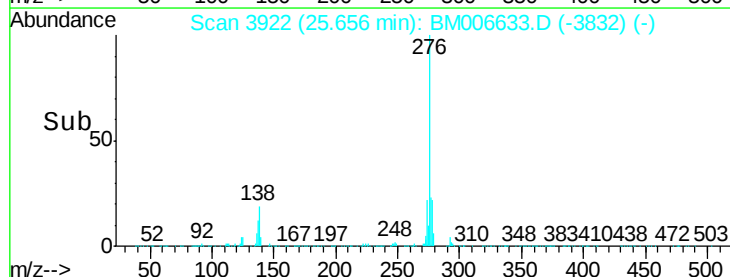
277 24.8 19.0 28.6

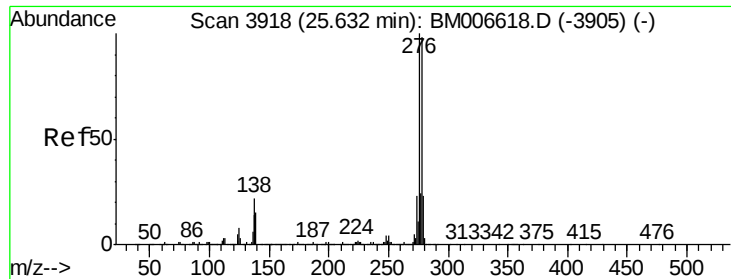


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 4.17 ng/ul

RT: 25.90 min Scan# 3964

Delta R.T. 0.27 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

Instrument :

BNA_M

ClientSampleId :

D9YT4

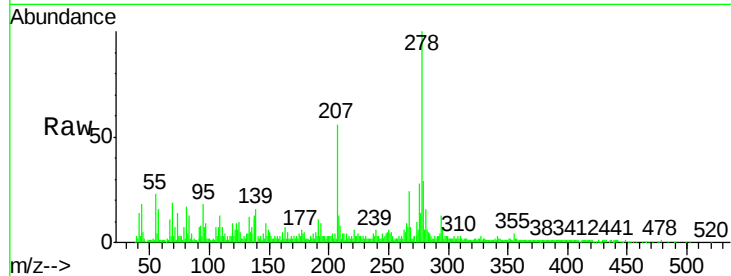
Tgt Ion:278 Resp: 241877

Ion Ratio Lower Upper

278 100

139 16.5 12.1 18.1

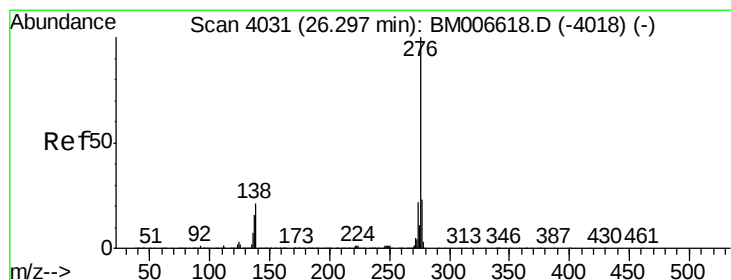
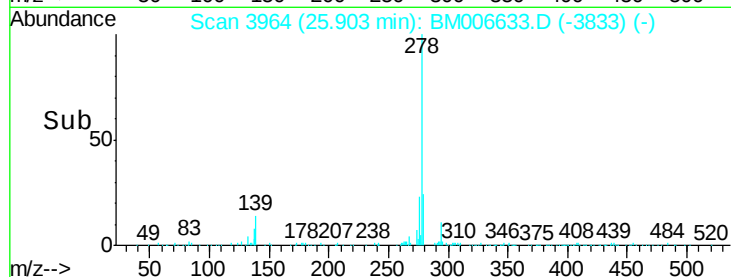
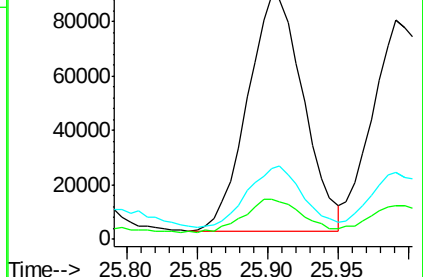
279 29.3 19.8 29.8



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: 18.76 ng/ul

RT: 26.34 min Scan# 4038

Delta R.T. 0.04 min

Lab File: BM006633.D

Acq: 22 Jul 2016 20:30

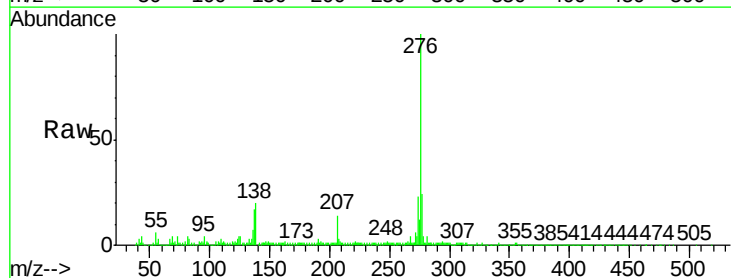
Tgt Ion:276 Resp: 1126323

Ion Ratio Lower Upper

276 100

138 19.9 13.9 20.9

277 24.3 19.8 29.6



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

