

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006764.D
 Acq On : 30 Jul 2016 09:25
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:24:28 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	116444	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	502402	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	292136	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	660057	20.00	ng/ul	0.00
29) Chrysene-d12	21.21	240	787805	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	842395	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	23627	8.21	ng/uL	0.00
3) Phenol-d5	6.79	99	202022	20.39	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	129298	21.07	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	160246	20.24	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	159053	20.70	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	76446	20.10	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	82988	20.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	154987	20.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	185464	22.04	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	460797	20.12	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	595066	20.35	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	77061	19.37	ng/ul	0.00
21) Fluorene-d10	15.26	176	410238	20.03	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	68935	20.12	ng/ul	0.00
26) Anthracene-d10	17.11	188	633280	20.21	ng/ul	0.00
30) Pyrene-d10	19.41	212	709748	19.77	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	775045	20.00	ng/ul	-0.01

Target Compounds

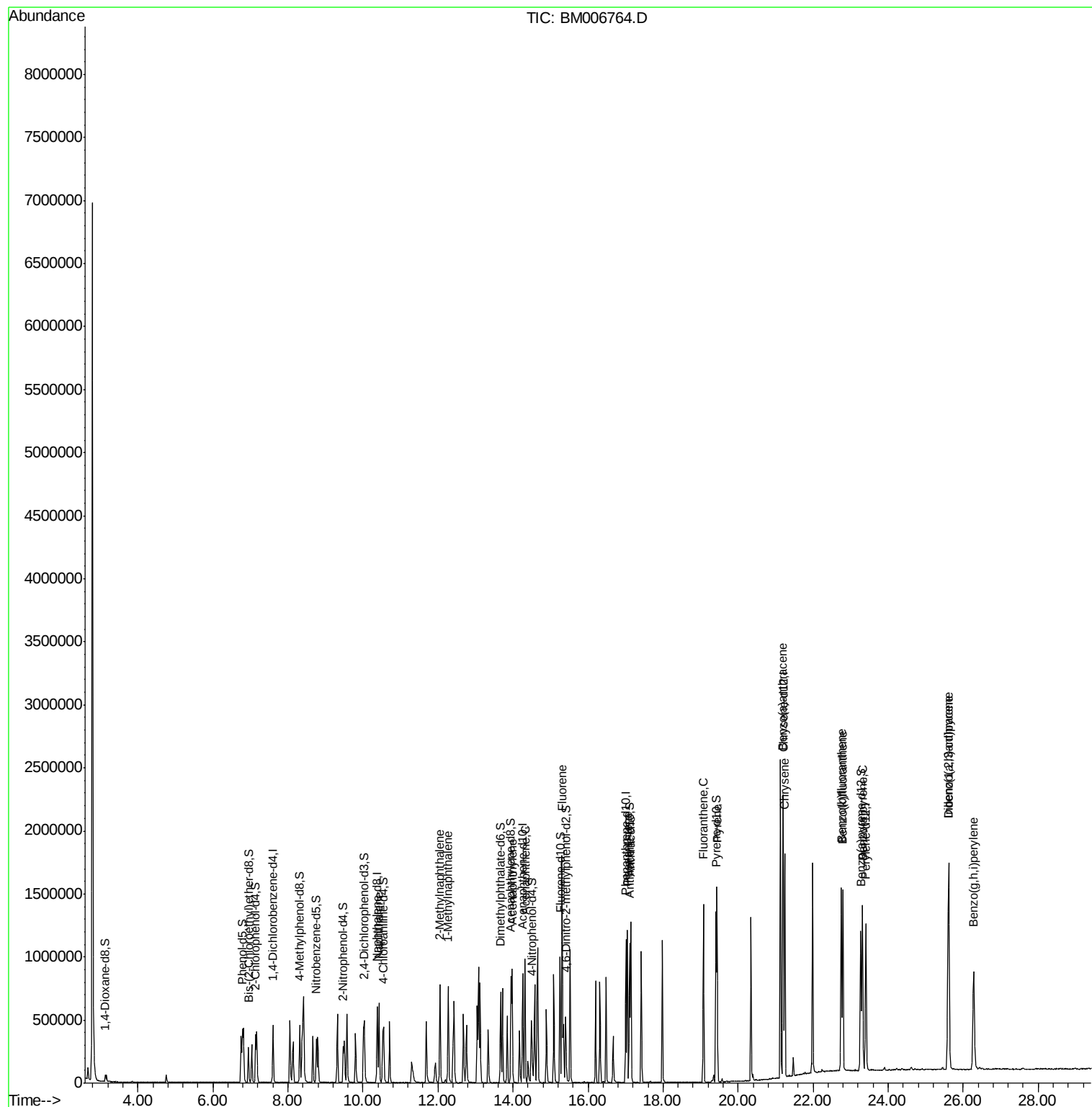
						Ovalue
11) Naphthalene	10.43	128	510872	19.72	ng/ul	98
13) 2-Methylnaphthalene	12.05	142	379803	19.98	ng/ul	99
14) 1-Methylnaphthalene	12.27	142	363404	20.04	ng/ul#	94
18) Acenaphthylene	13.97	152	622213	19.87	ng/ul	96
19) Acenaphthene	14.32	153	395953	19.68	ng/ul	95
22) Fluorene	15.31	166	457138	20.16	ng/ul	96
25) Phenanthrene	17.05	178	739156	19.91	ng/ul	98
27) Anthracene	17.14	178	766773	20.06	ng/ul	98
28) Fluoranthene	19.07	202	885894	20.31	ng/ul	98
31) Pyrene	19.44	202	941111	19.73	ng/ul	97
32) Benzo(a)anthracene	21.20	228	943989	19.77	ng/ul	98
33) Chrysene	21.24	228	876311	19.91	ng/ul	99
35) Benzo(b)fluoranthene	22.75	252	1027201	20.34	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	942306	19.30	ng/ul	98
38) Benzo(a)pyrene	23.31	252	979369	19.93	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.61	276	1139560	20.02	ng/ul	96
40) Dibenzo(a,h)anthracene	25.61	278	950087	20.14	ng/ul	97
41) Benzo(g,h,i)perylene	26.28	276	973925	19.96	ng/ul	98

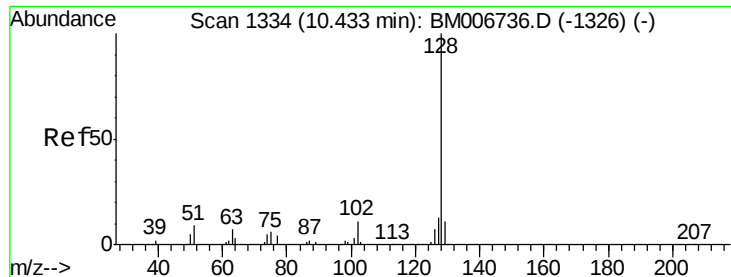
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
Data File : BM006764.D
Acq On : 30 Jul 2016 09:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 01 04:24:28 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 30 01:37:26 2016
Response via : Initial Calibration

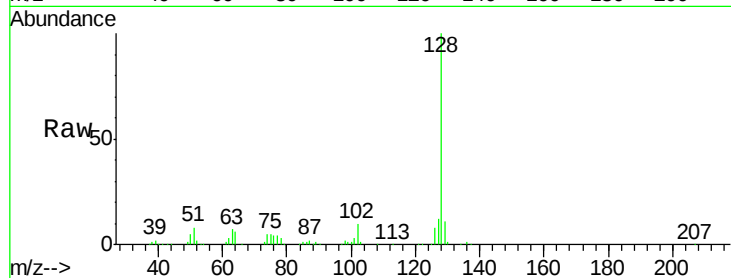




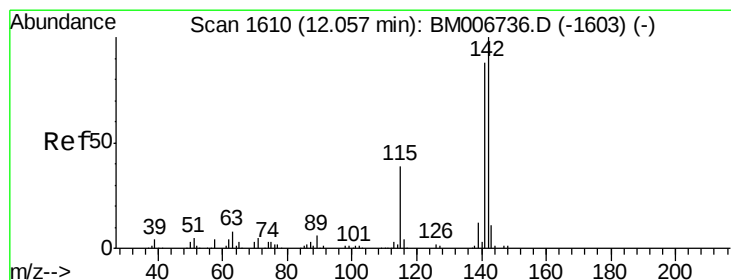
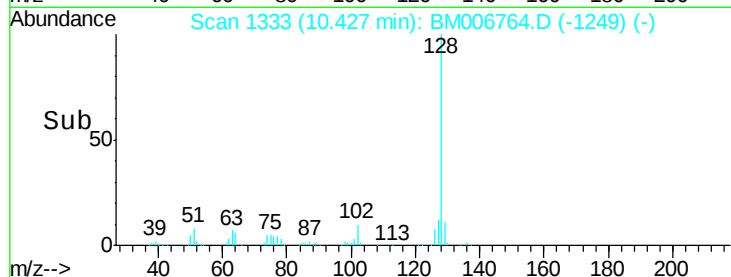
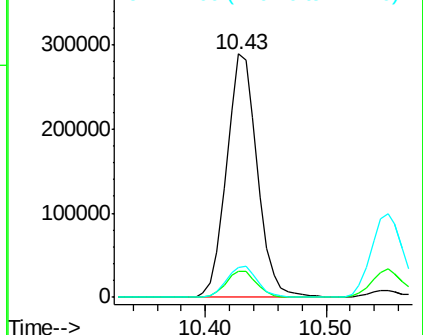
#11
Naphthalene
Concen: 19.72 ng/ul
RT: 10.43 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	12.4	10.8	16.2

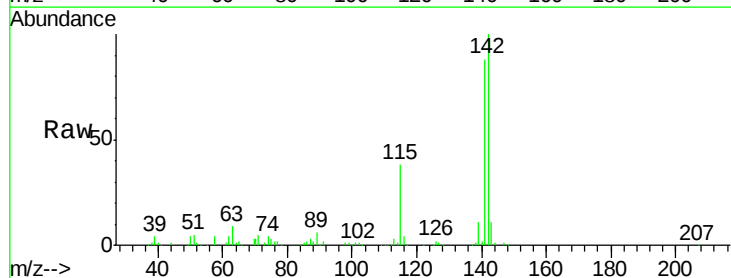


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

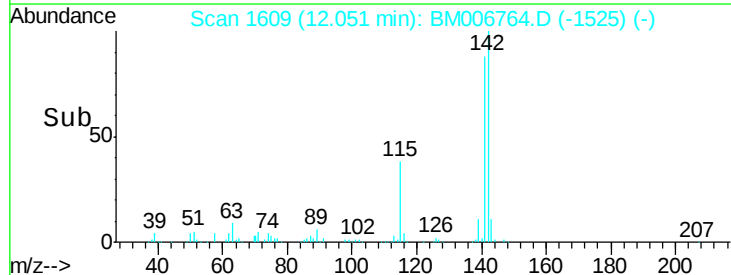
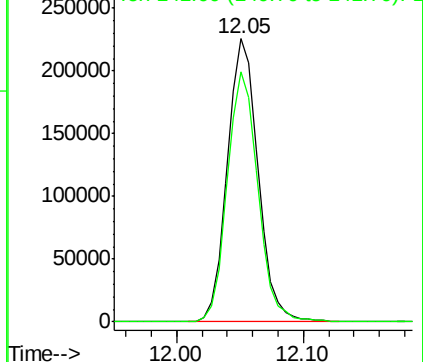


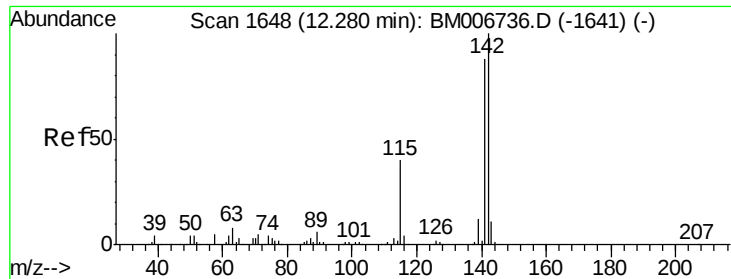
#13
2-Methylnaphthalene
Concen: 19.98 ng/ul
RT: 12.05 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9



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

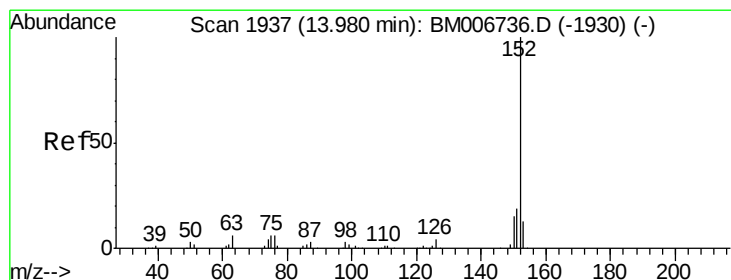
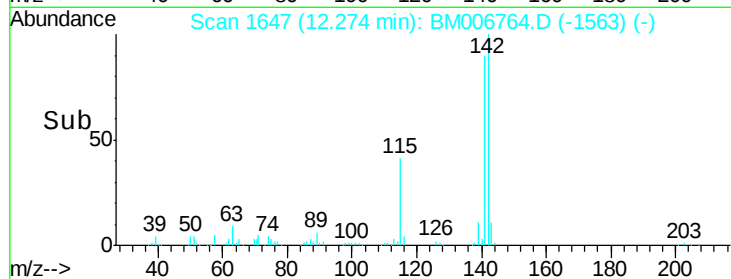
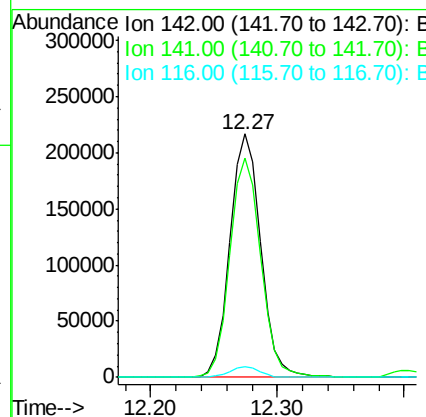
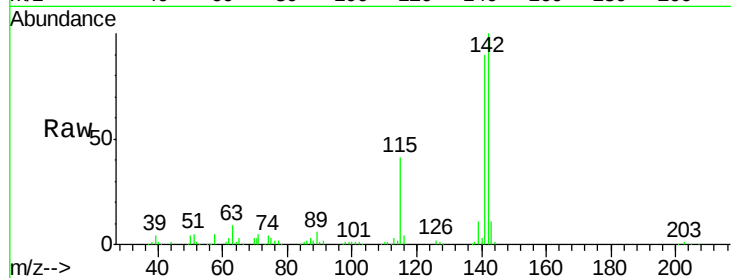




#14
1-Methylnaphthalene
Concen: 20.04 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

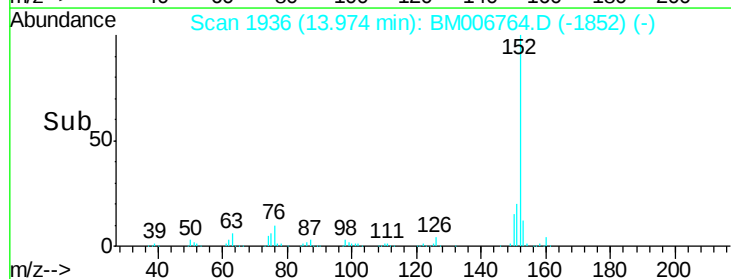
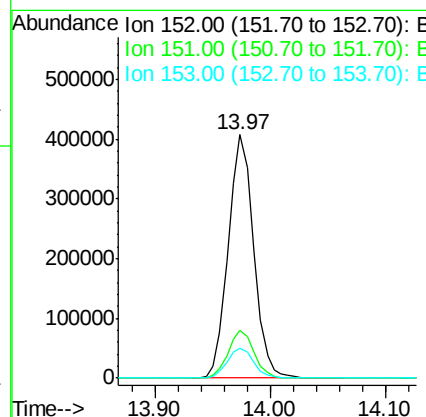
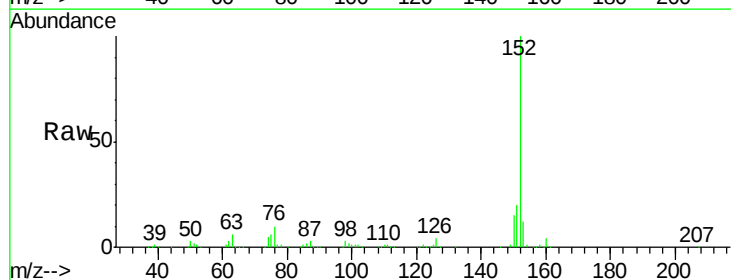
Instrument :
BNA_M
ClientSampled :

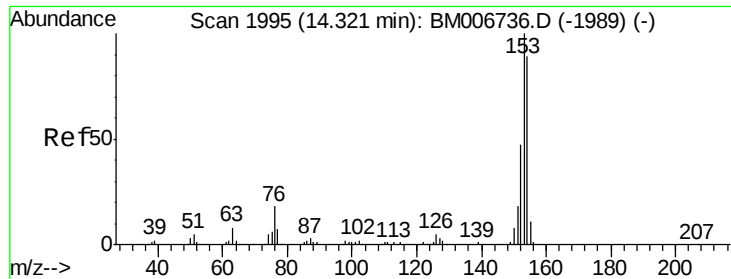
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	77.0	115.4
116	4.1	4.2	6.4#



#18
Acenaphthylene
Concen: 19.87 ng/ul
RT: 13.97 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.3	25.9
153	12.3	11.1	16.7





#19

Acenaphthene

Concen: 19.68 ng/ul

RT: 14.32 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Instrument :

BNA_M

ClientSampleId :

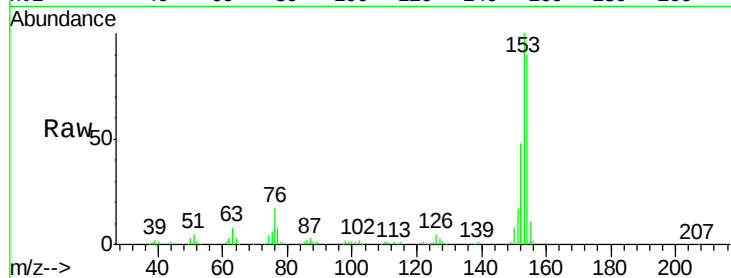
Tot Ion:153 Resp: 395953

Ion Ratio Lower Upper

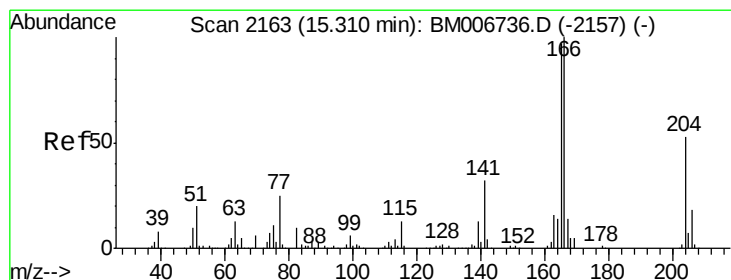
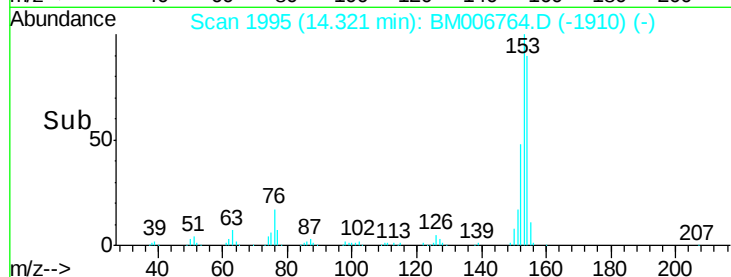
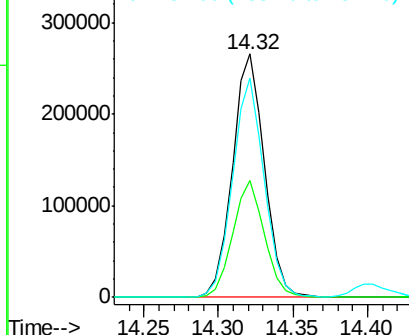
153 100

152 48.0 36.5 54.7

154 89.9 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: 20.16 ng/ul

RT: 15.31 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

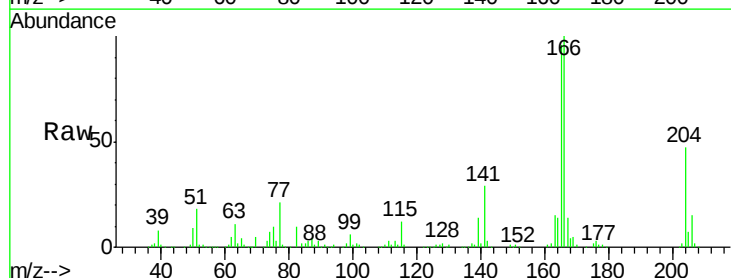
Tgt Ion:166 Resp: 457138

Ion Ratio Lower Upper

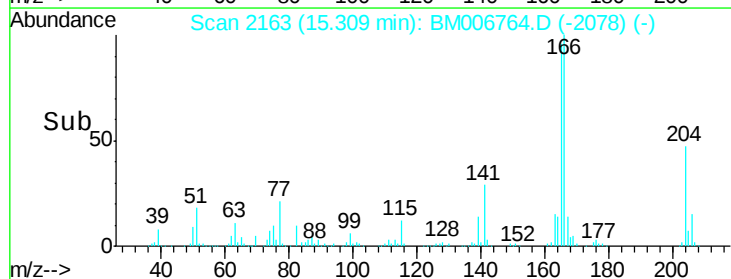
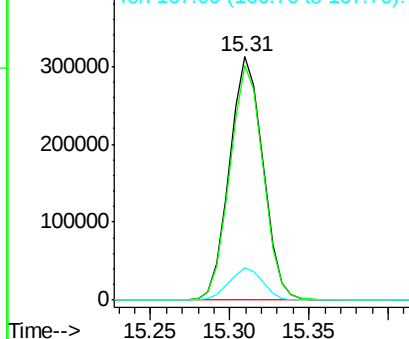
166 100

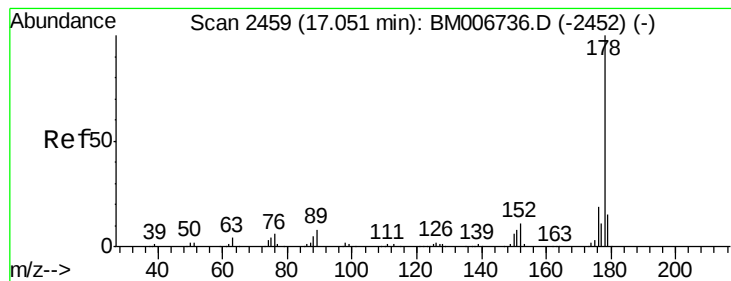
165 96.5 81.1 121.7

167 13.5 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: 19.91 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Instrument :

BNA_M

ClientSampleId :

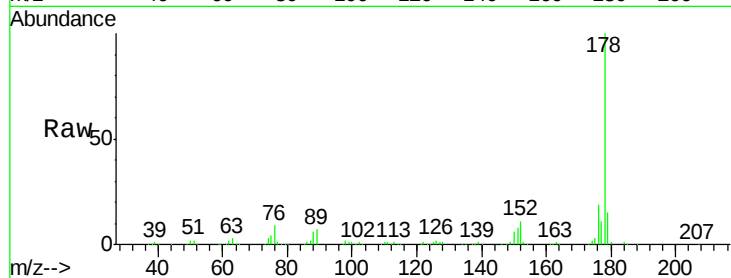
Tot Ion:178 Resp: 739156

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

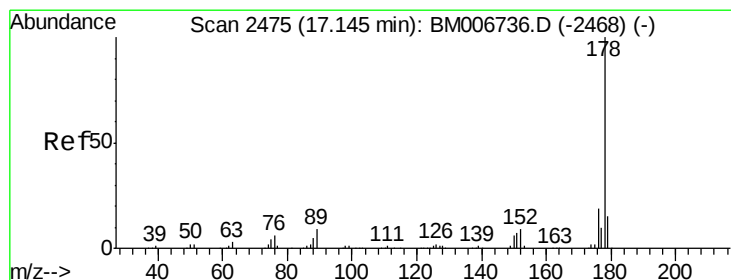
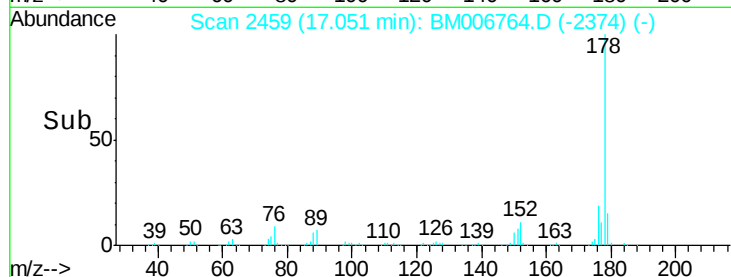
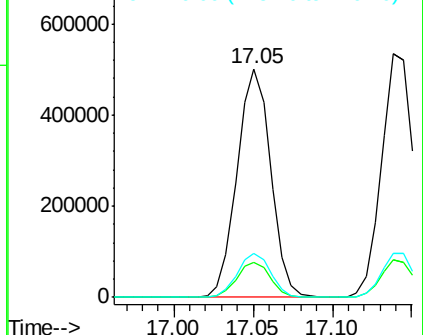
176 19.3 14.8 22.2



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: 20.06 ng/ul

RT: 17.14 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

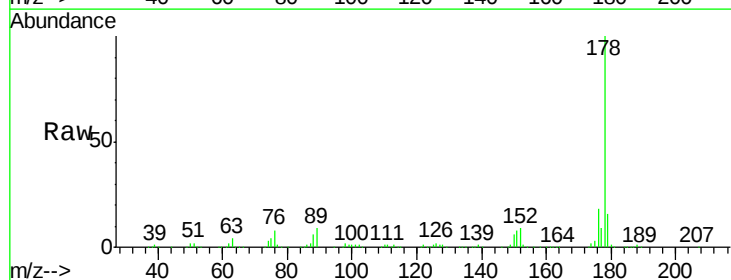
Tgt Ion:178 Resp: 766773

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

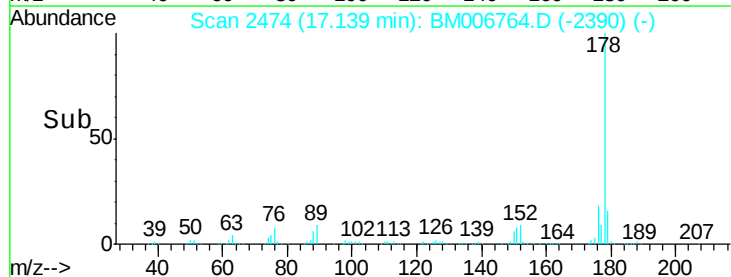
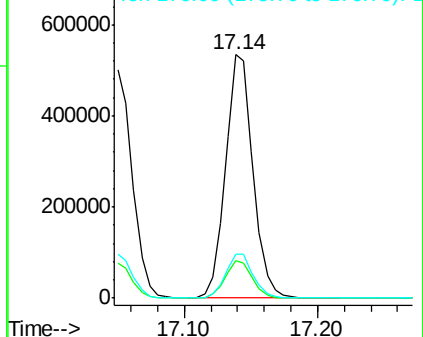
176 17.9 15.6 23.4

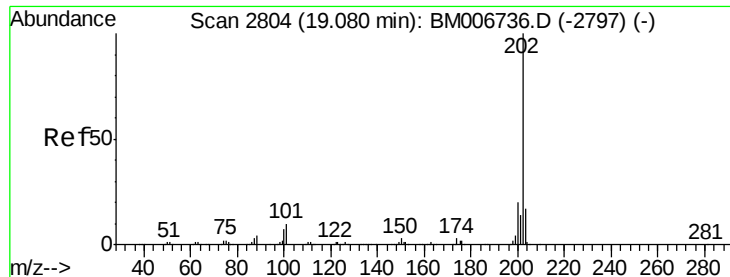


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

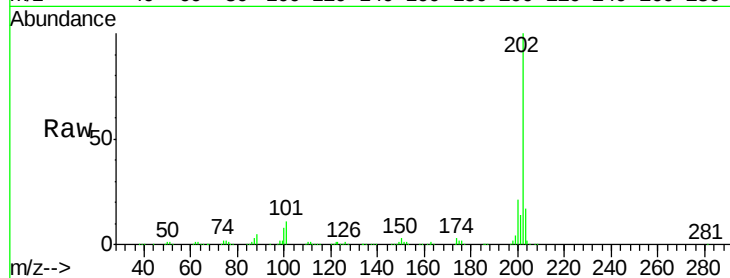




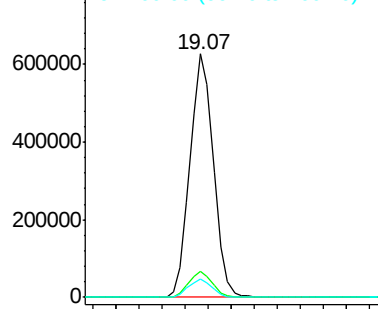
#28
Fluoranthene
Concen: 20.31 ng/ul
RT: 19.07 min Scan# 2803
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

Instrument :
BNA_M
ClientSampleId :

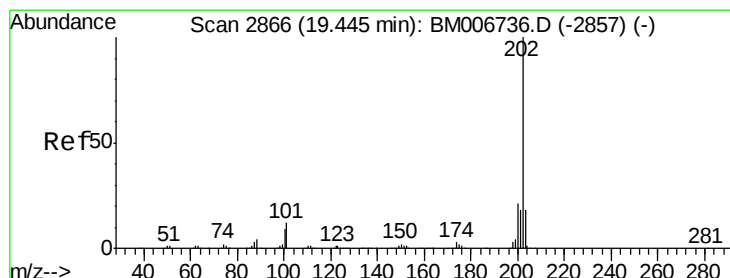
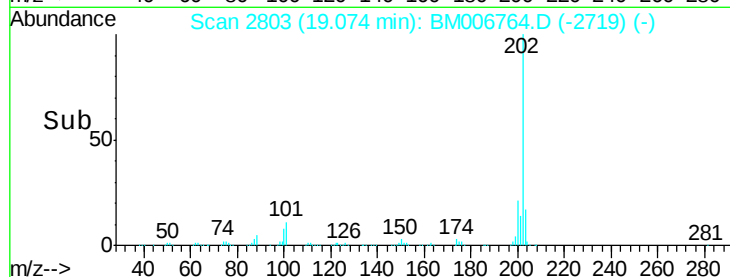
Tot Ion:202 Resp: 885894
Ion Ratio Lower Upper
202 100
101 10.7 8.9 13.3
100 7.7 7.0 10.4



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

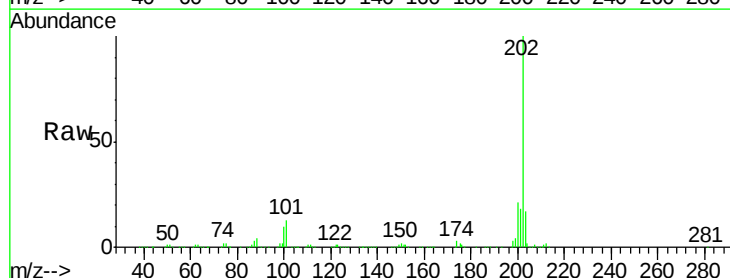


Time-->

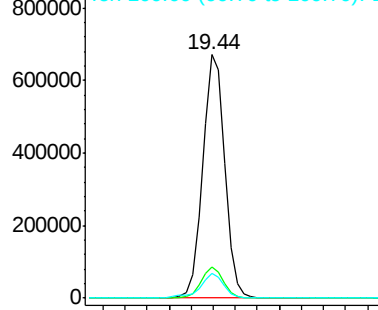


#31
Pyrene
Concen: 19.73 ng/ul
RT: 19.44 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BM006764.D
Acq: 30 Jul 2016 09:25

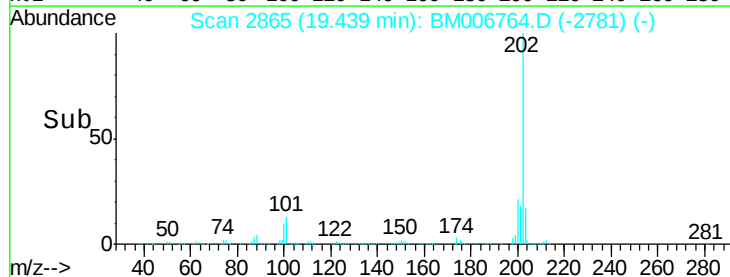
Tgt Ion:202 Resp: 941111
Ion Ratio Lower Upper
202 100
101 13.0 9.8 14.8
100 9.9 9.3 13.9

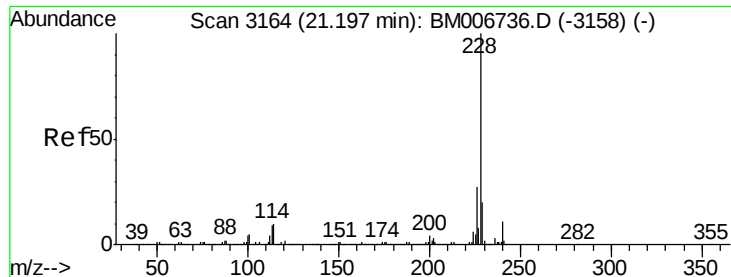


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





#32

Benzo(a)anthracene

Concen: 19.77 ng/ul

RT: 21.20 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Instrument :

BNA_M

ClientSampleId :

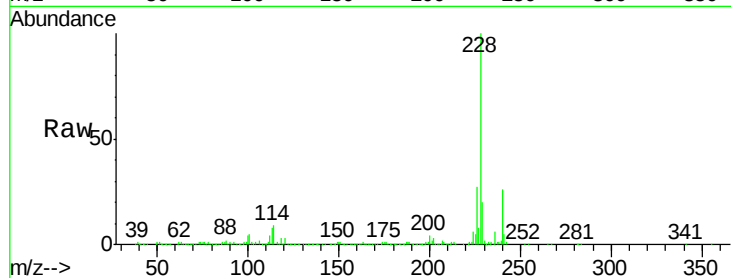
Tot Ion:228 Resp: 943989

Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.6	25.0
226	27.0	21.0	31.4

228 100

229 19.9 16.6 25.0

226 27.0 21.0 31.4

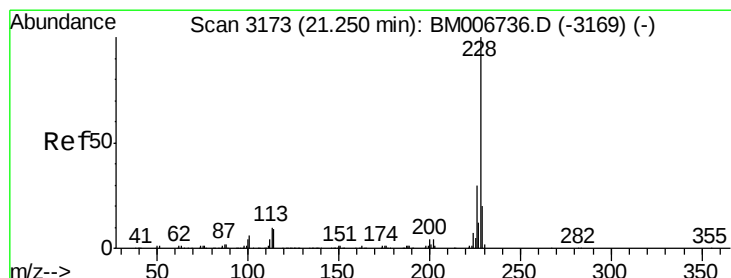
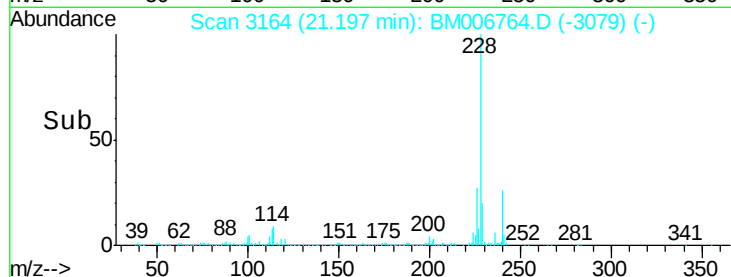
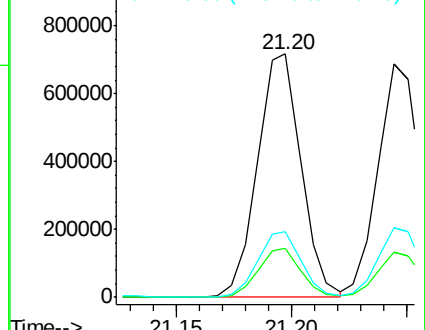


Abundance

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: 19.91 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

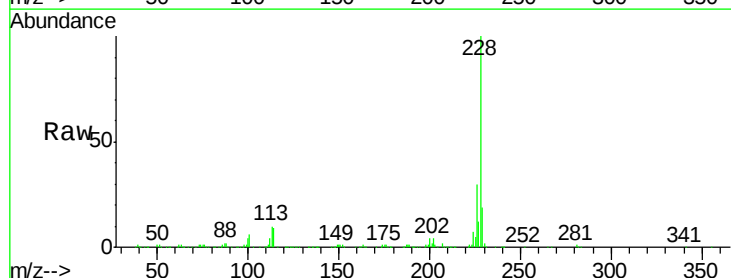
Tgt Ion:228 Resp: 876311

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	19.5	16.2	24.2

228 100

226 29.8 23.4 35.2

229 19.5 16.2 24.2

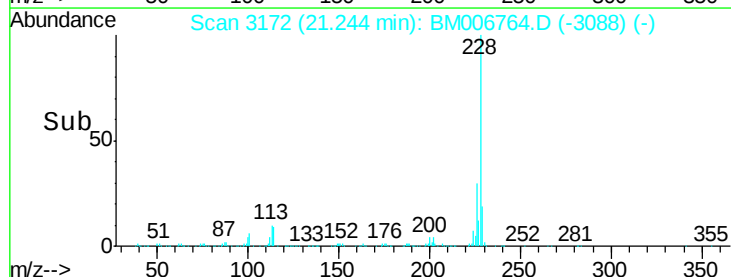
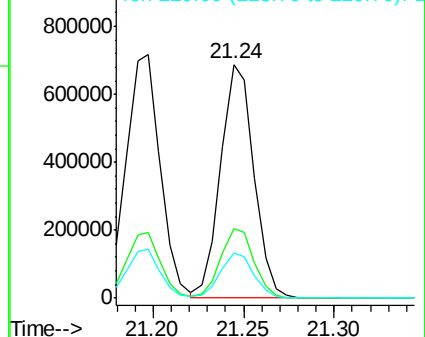


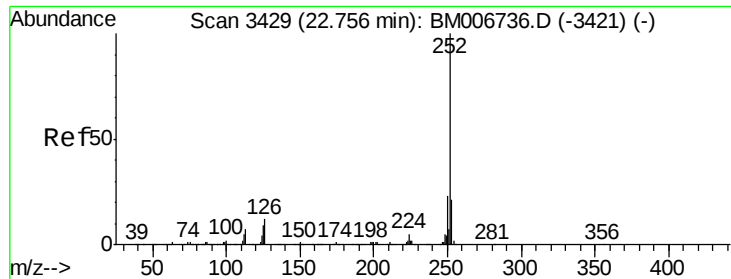
Abundance

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: 20.34 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Instrument :

BNA_M

ClientSampleId :

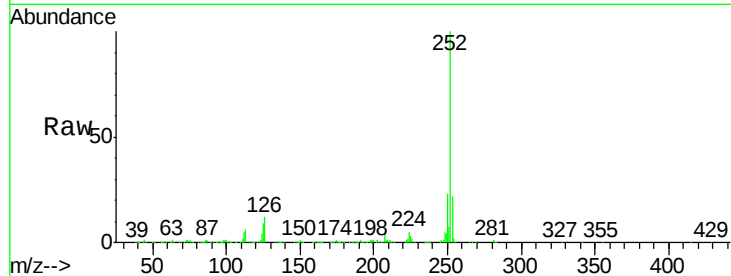
Tot Ion:252 Resp: 1027201

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

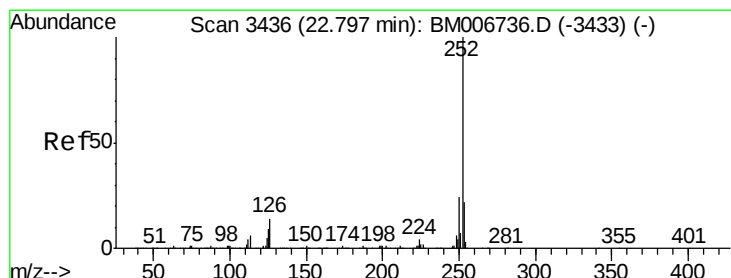
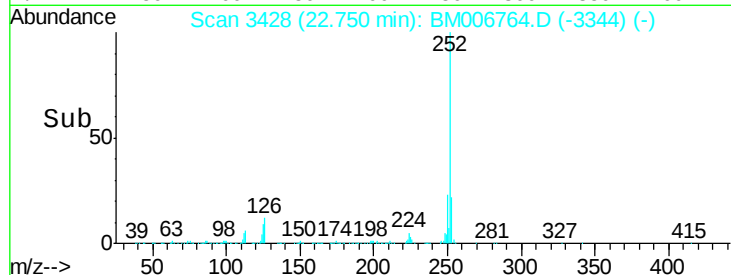
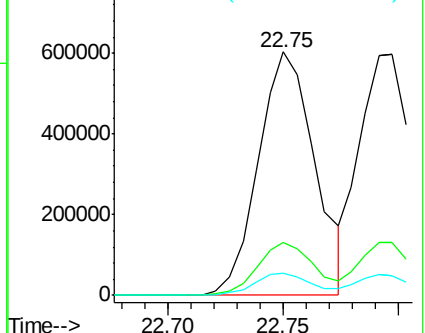
125 8.9 7.6 11.4



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: 19.30 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

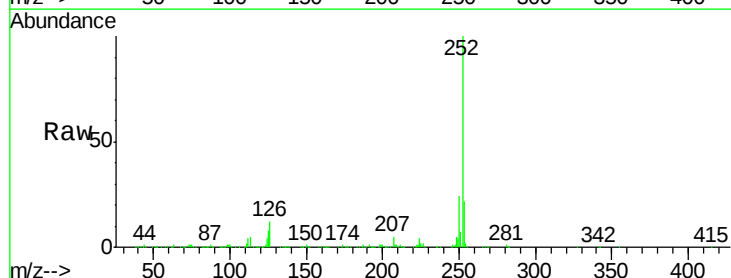
Tgt Ion:252 Resp: 942306

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

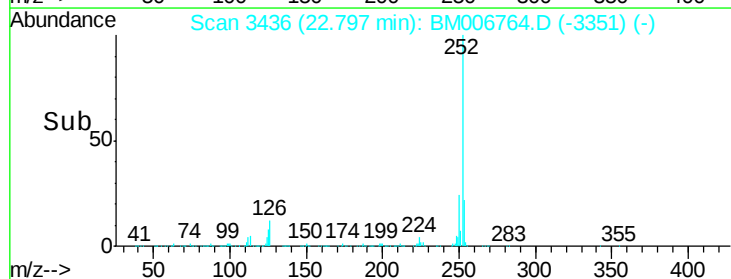
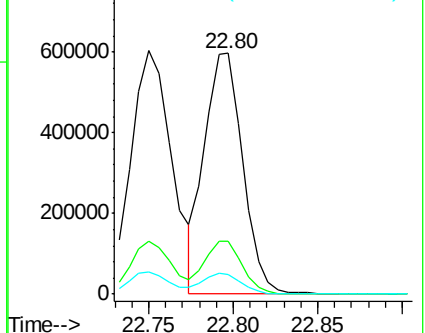
125 8.2 7.7 11.5

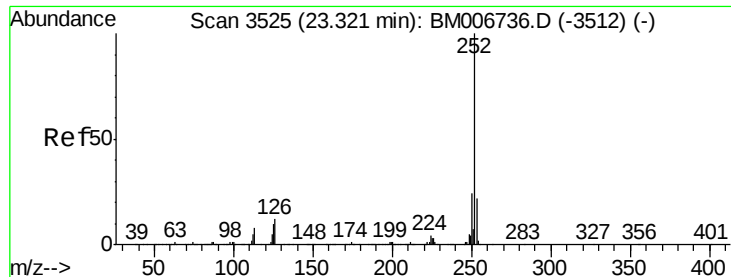


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.93 ng/ul

RT: 23.31 min Scan# 3524

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Instrument :

BNA_M

ClientSampleId :

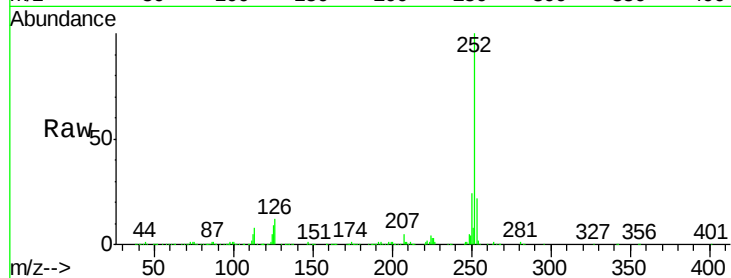
Tot Ion:252 Resp: 979369

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

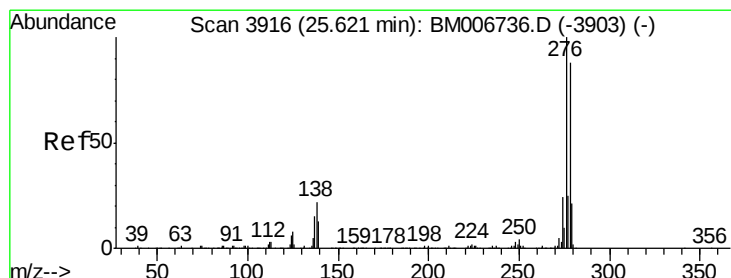
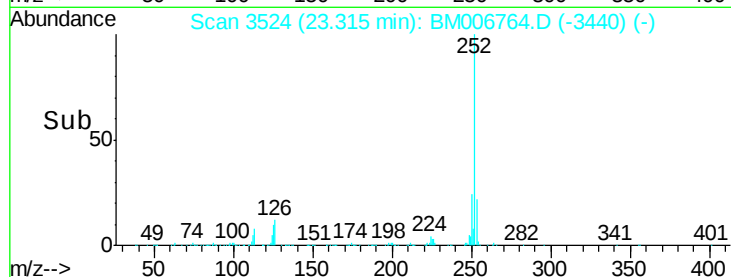
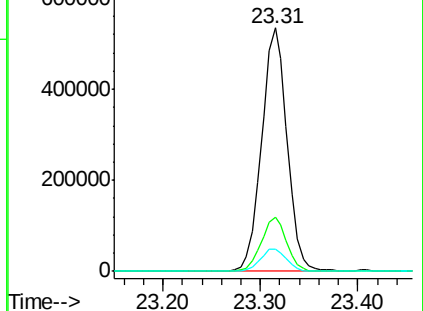
125 9.4 8.2 12.2



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: 20.02 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

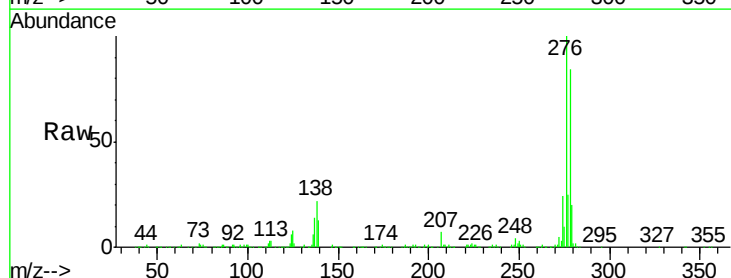
Tgt Ion:276 Resp: 1139560

Ion Ratio Lower Upper

276 100

138 22.1 15.8 23.6

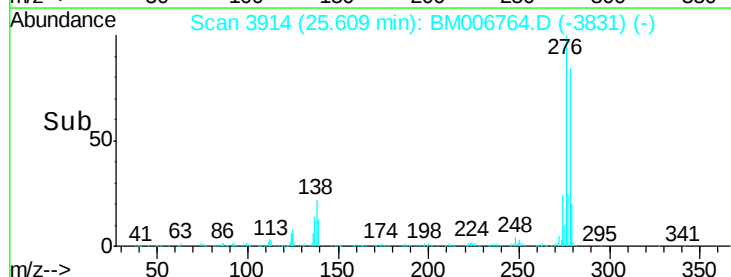
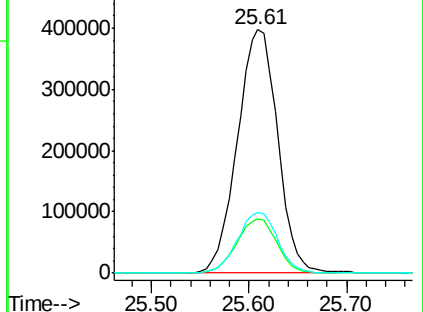
277 24.8 19.0 28.6

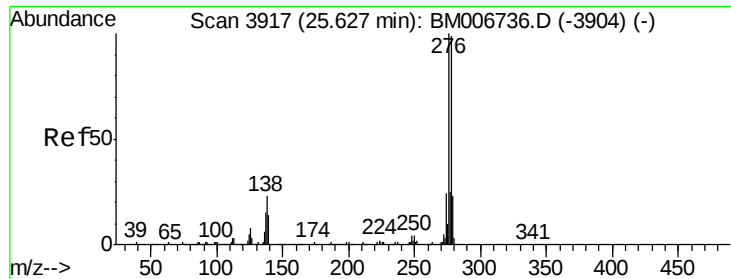


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 20.14 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

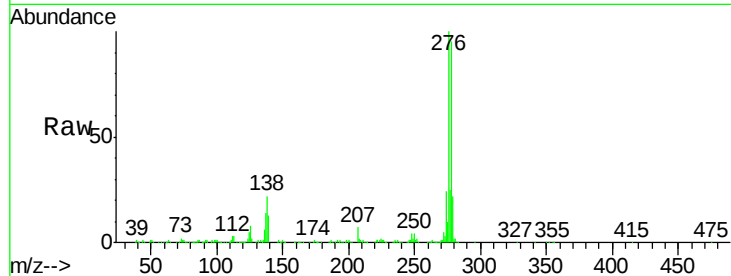
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 950087

Ion	Ratio	Lower	Upper
278	100		
139	13.5	12.1	18.1
279	23.5	19.8	29.8

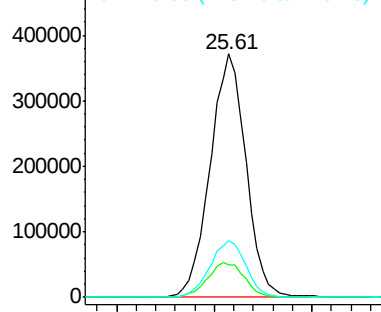


Abundance

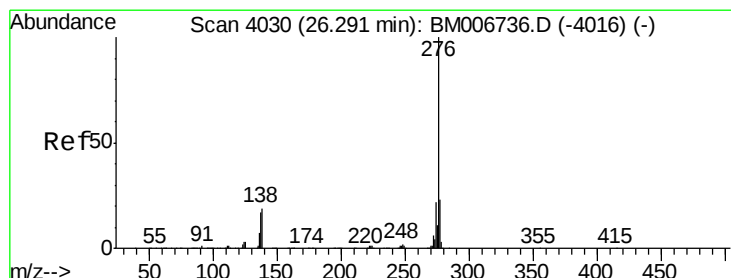
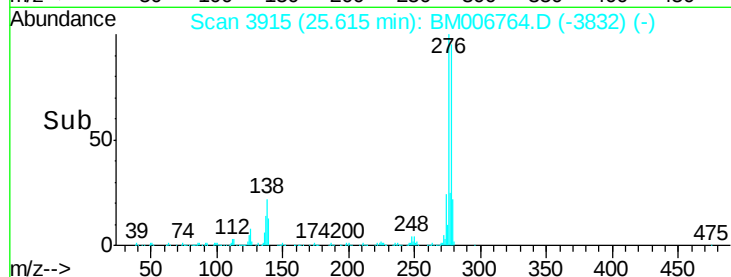
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#41

Benzo(g,h,i)perylene

Concen: 19.96 ng/ul

RT: 26.28 min Scan# 4028

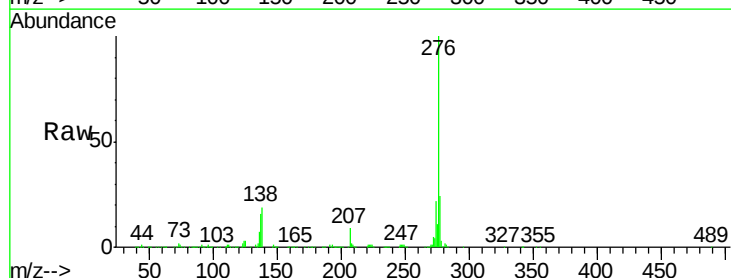
Delta R.T. -0.01 min

Lab File: BM006764.D

Acq: 30 Jul 2016 09:25

Tgt Ion:276 Resp: 973925

Ion	Ratio	Lower	Upper
276	100		
138	19.2	13.9	20.9
277	24.4	19.8	29.6

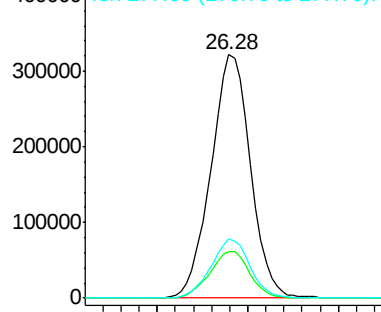


Abundance

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



Time-->

