

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
 Data File : BM006781.D
 Acq On : 31 Jul 2016 10:04
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 01 04:26:32 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	141620	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	596740	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	344180	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.10	188	765254	20.00	ng/ul	0.09
29) Chrysene-d12	21.21	240	925319	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	956397	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	27162	7.76	ng/uL	0.00
3) Phenol-d5	6.79	99	248901	20.66	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	153321	20.54	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	195154	20.27	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	190759	20.41	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	92133	20.40	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	99805	20.78	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.01	165	187711	20.68	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	228993	22.91	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	535576	19.85	ng/ul	0.00
17) Acenaphthylene-d8	13.94	160	696517	20.22	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	92913	19.82	ng/ul	0.00
21) Fluorene-d10	15.25	176	482914	20.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	85899	21.63	ng/ul	0.00
26) Anthracene-d10	17.10	188	765254	21.06	ng/ul	0.00
30) Pyrene-d10	19.41	212	858636	20.36	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	897275	20.40	ng/ul	-0.01

Target Compounds

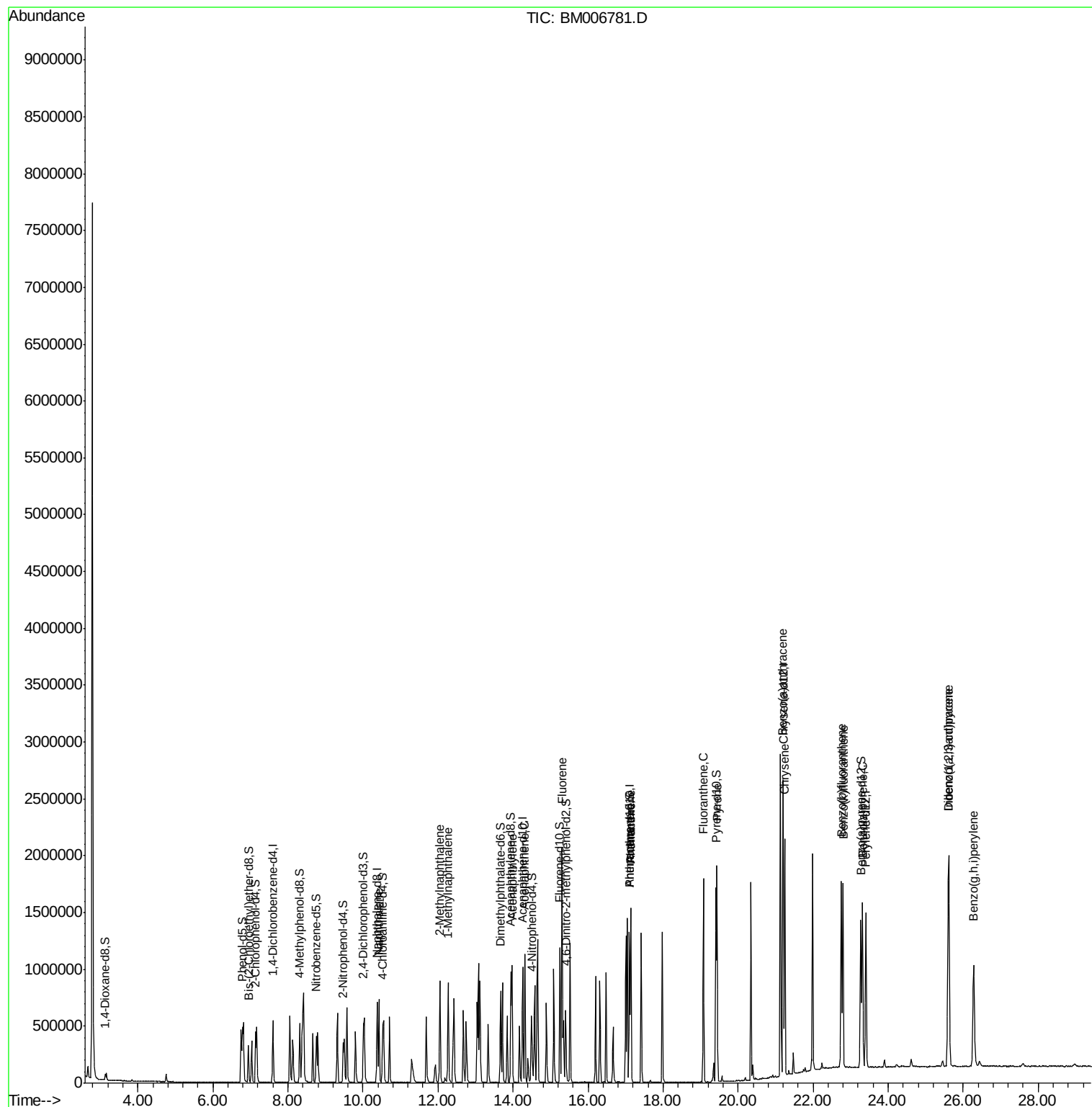
						Ovalue
11) Naphthalene	10.43	128	607825	19.75	ng/ul	99
13) 2-Methylnaphthalene	12.05	142	449247	19.90	ng/ul	97
14) 1-Methylnaphthalene	12.27	142	425868	19.77	ng/ul#	95
18) Acenaphthylene	13.97	152	729840	19.78	ng/ul	97
19) Acenaphthene	14.32	153	462870	19.52	ng/ul	96
22) Fluorene	15.31	166	536411	20.08	ng/ul	97
25) Phenanthrene	17.14	178	916921	21.31	ng/ul	100
27) Anthracene	17.14	178	916921	20.69	ng/ul	98
28) Fluoranthene	19.07	202	1060949	20.98	ng/ul	99
31) Pyrene	19.44	202	1123116	20.05	ng/ul	97
32) Benzo(a)anthracene	21.19	228	1121453	20.00	ng/ul	98
33) Chrysene	21.24	228	1024241	19.81	ng/ul	99
35) Benzo(b)fluoranthene	22.75	252	1186996	20.70	ng/ul	98
36) Benzo(k)fluoranthene	22.80	252	1103935	19.91	ng/ul	98
38) Benzo(a)pyrene	23.31	252	1127491	20.21	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.61	276	1304870	20.19	ng/ul	95
40) Dibenzo(a,h)anthracene	25.61	278	1093597	20.42	ng/ul	98
41) Benzo(g,h,i)perylene	26.29	276	1105941	19.97	ng/ul	96

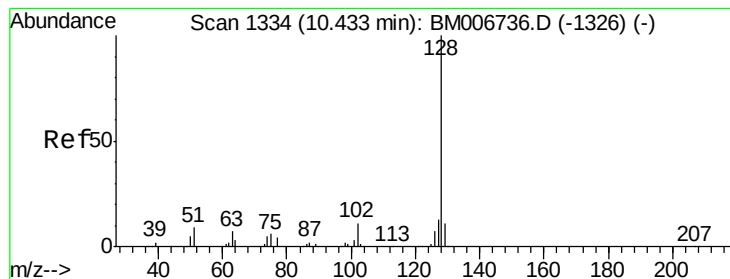
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073016\
Data File : BM006781.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 01 04:26:32 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: 19.75 ng/ul

RT: 10.43 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampleId :

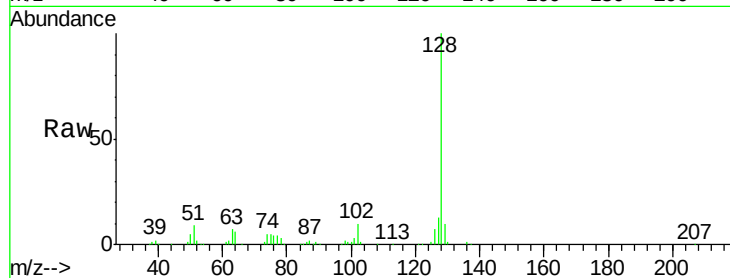
Tot Ion:128 Resp: 607825

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

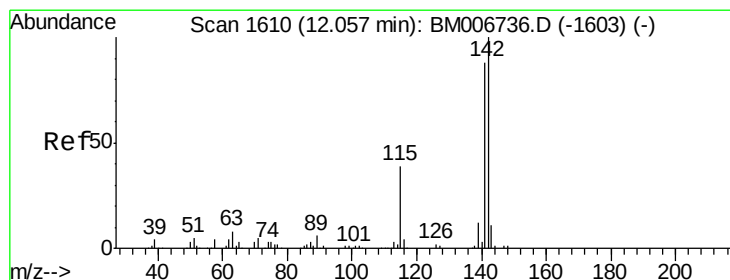
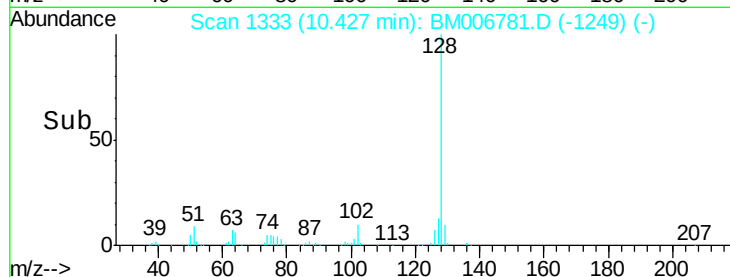
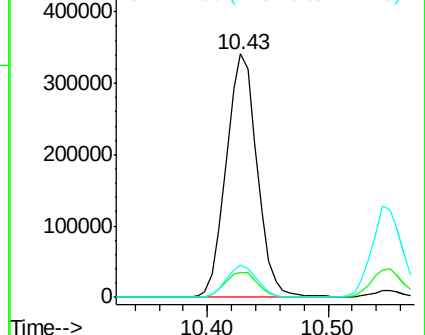
127 13.1 10.8 16.2



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: 19.90 ng/ul

RT: 12.05 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BM006781.D

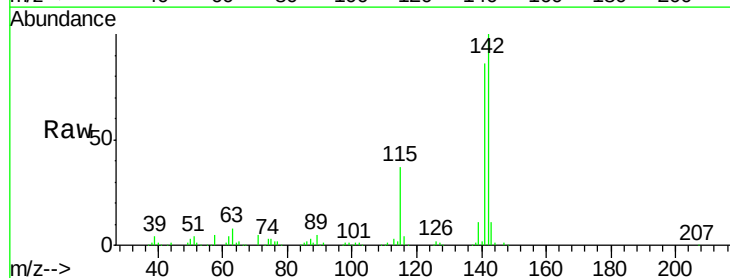
Acq: 31 Jul 2016 10:04

Tgt Ion:142 Resp: 449247

Ion Ratio Lower Upper

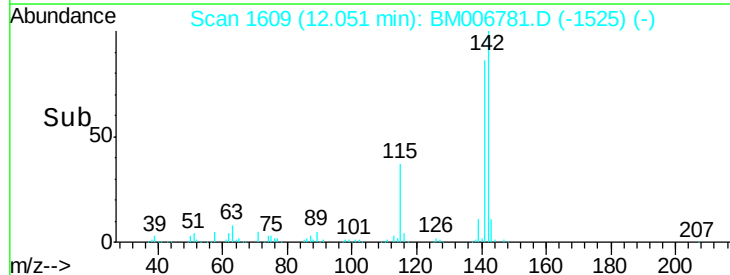
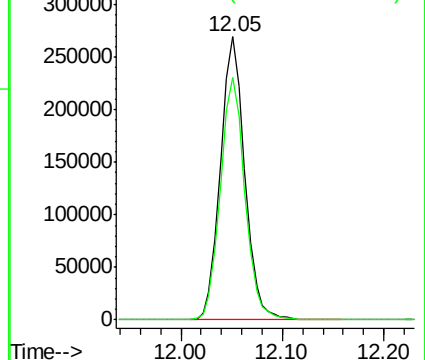
142 100

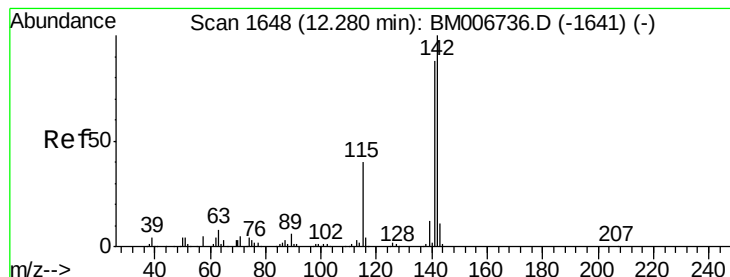
141 85.9 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 19.77 ng/ul

RT: 12.27 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampleId :

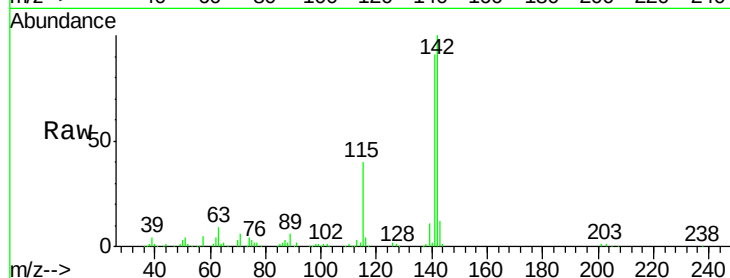
Tot Ion:142 Resp: 425868

Ion Ratio Lower Upper

142 100

141 91.0 77.0 115.4

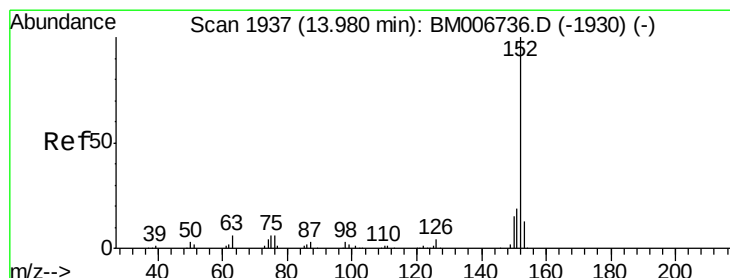
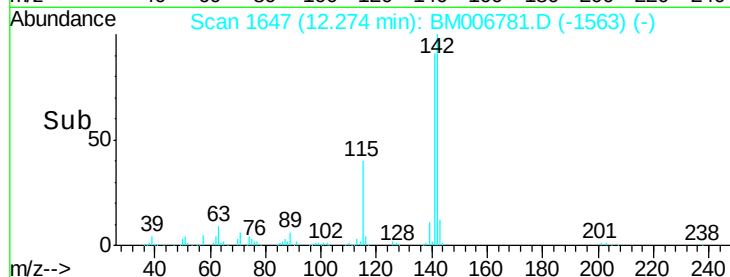
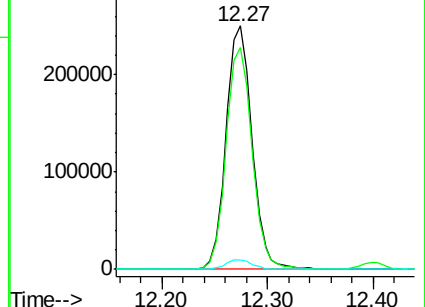
116 4.0 4.2 6.4#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#18

Acenaphthylene

Concen: 19.78 ng/ul

RT: 13.97 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

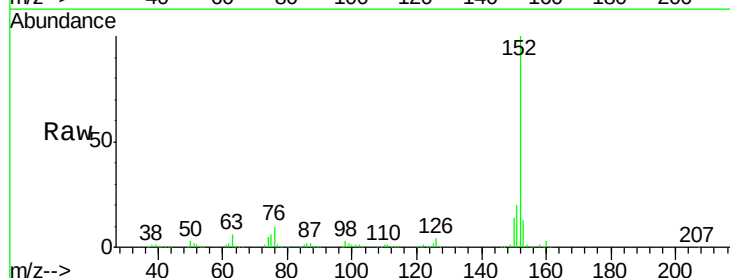
Tgt Ion:152 Resp: 729840

Ion Ratio Lower Upper

152 100

151 20.2 17.3 25.9

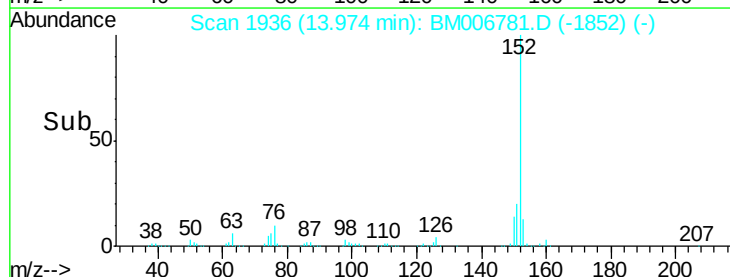
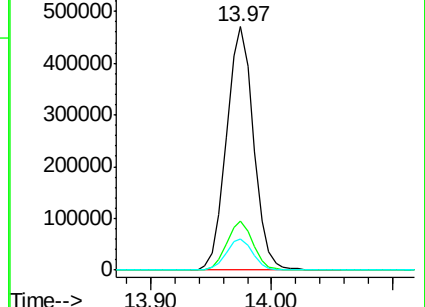
153 13.0 11.1 16.7

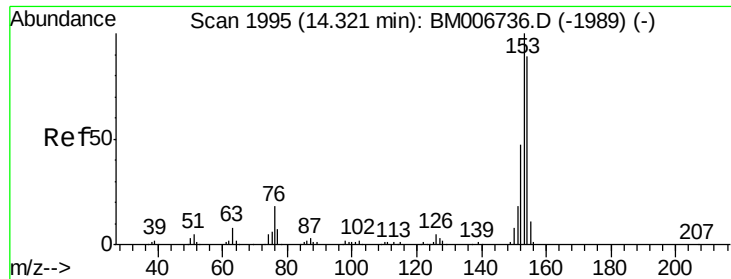


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 19.52 ng/ul

RT: 14.32 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampleId :

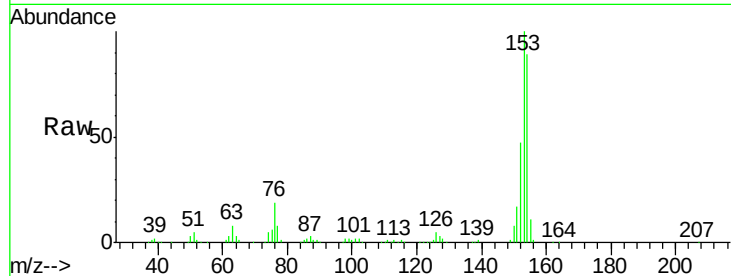
Tot Ion:153 Resp: 462870

Ion Ratio Lower Upper

153 100

152 47.4 36.5 54.7

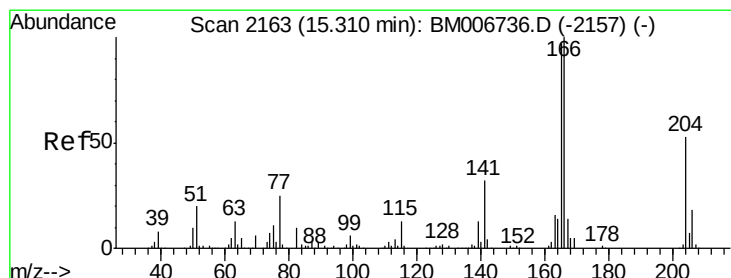
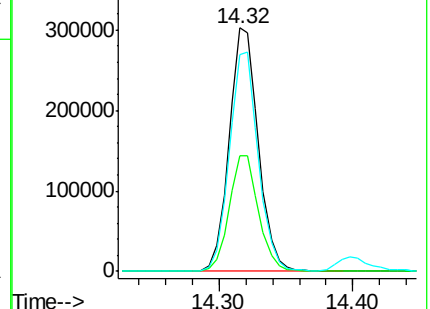
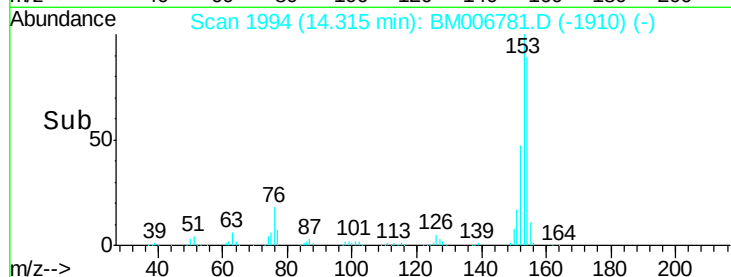
154 89.0 67.3 100.9



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: 20.08 ng/ul

RT: 15.31 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

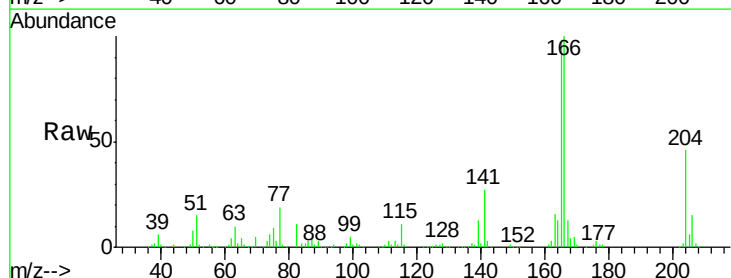
Tgt Ion:166 Resp: 536411

Ion Ratio Lower Upper

166 100

165 97.6 81.1 121.7

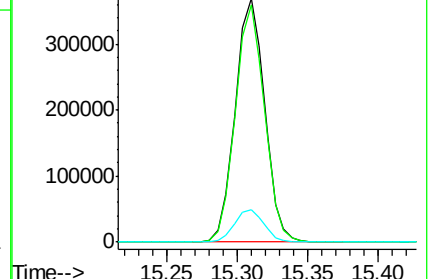
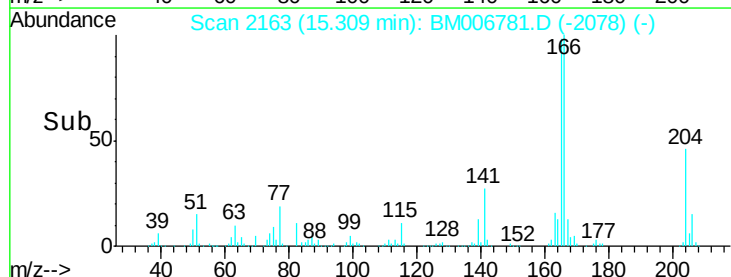
167 13.4 10.6 16.0

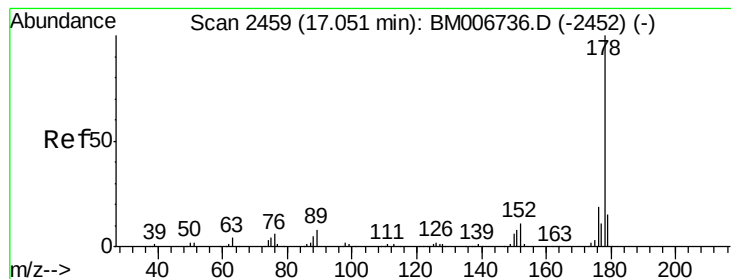


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 21.31 ng/ul

RT: 17.14 min Scan# 2474

Delta R.T. 0.09 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

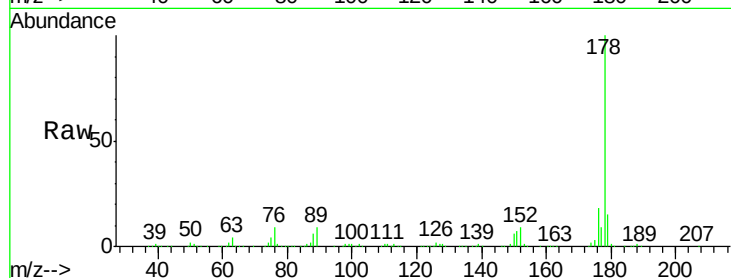
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 916921

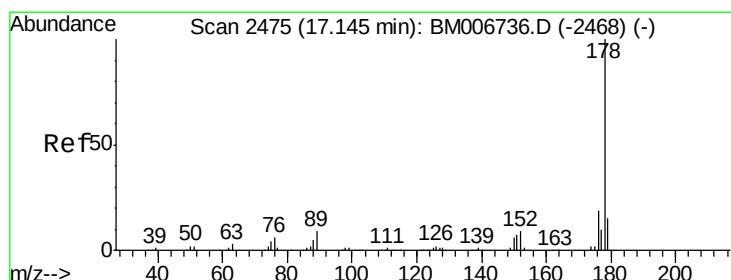
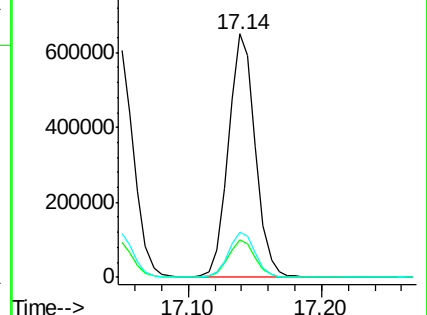
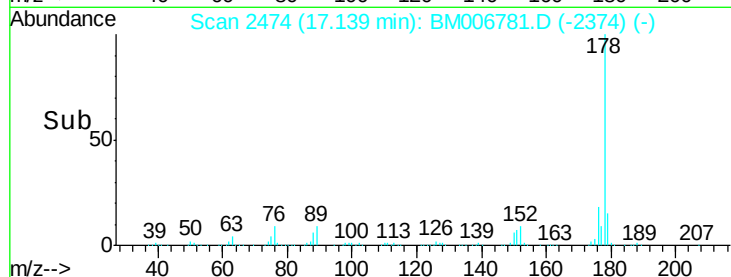
Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.5	14.8	22.2



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: 20.69 ng/ul

RT: 17.14 min Scan# 2474

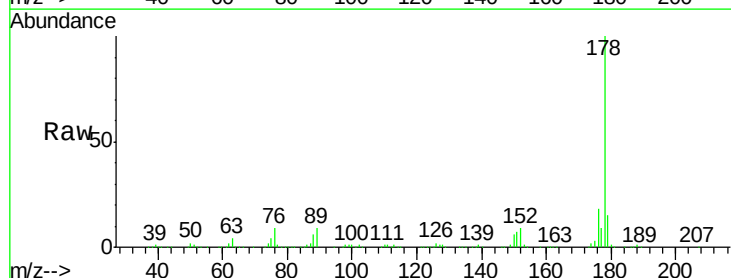
Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Tgt Ion:178 Resp: 916921

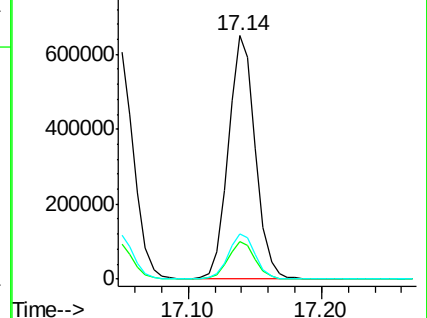
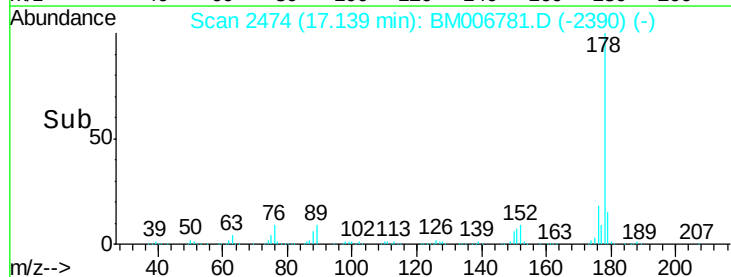
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.9	19.3
176	18.5	15.6	23.4

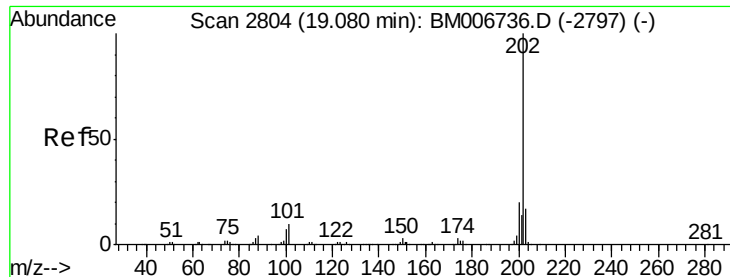


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.98 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampleId :

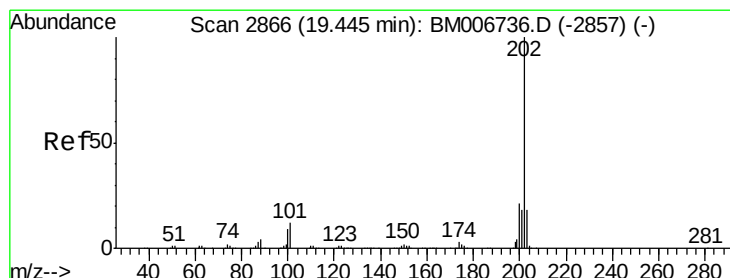
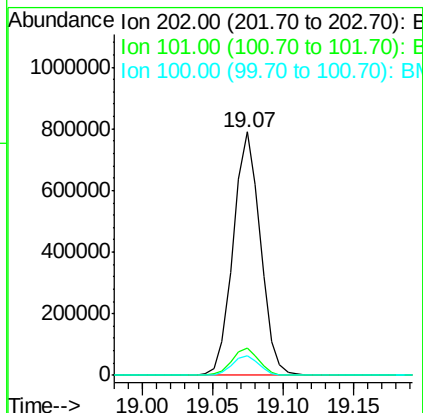
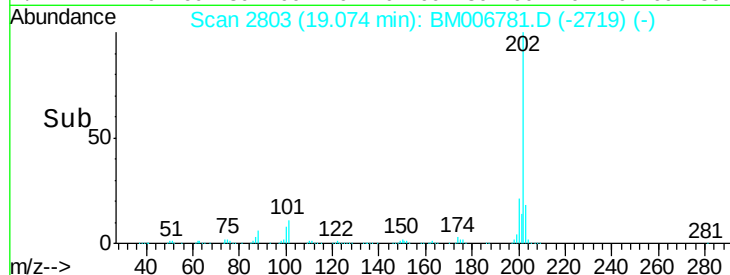
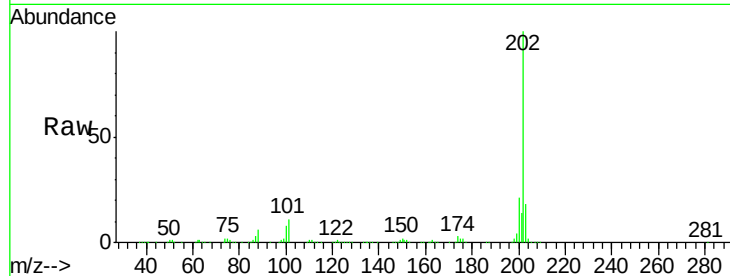
Tot Ion:202 Resp: 1060949

Ion Ratio Lower Upper

202 100

101 11.0 8.9 13.3

100 8.1 7.0 10.4



#31

Pyrene

Concen: 20.05 ng/ul

RT: 19.44 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

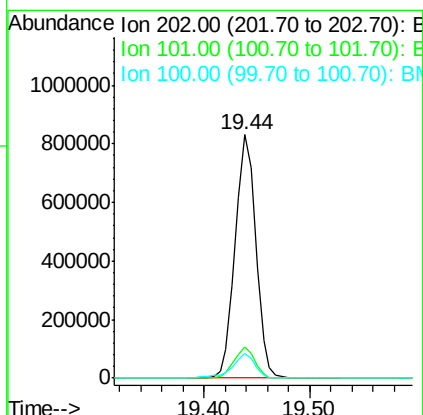
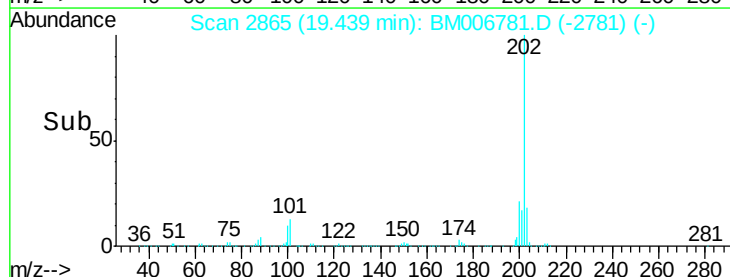
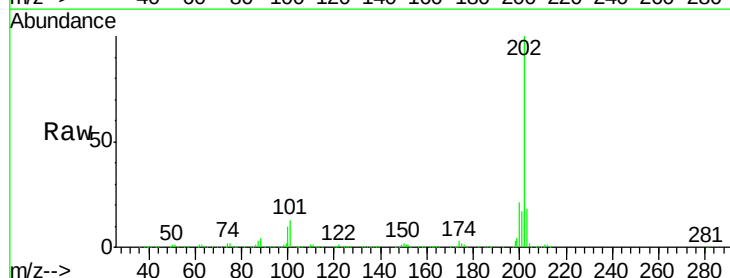
Tgt Ion:202 Resp: 1123116

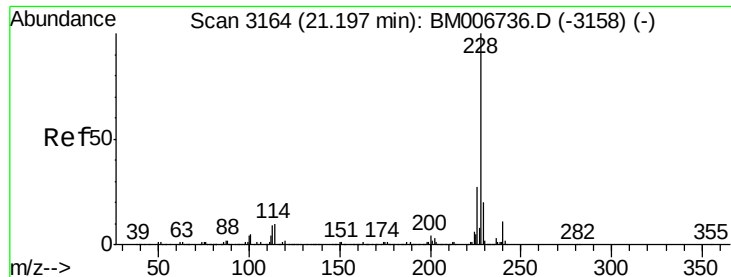
Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

100 10.0 9.3 13.9





#32

Benzo(a)anthracene

Concen: 20.00 ng/ul

RT: 21.19 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampleId :

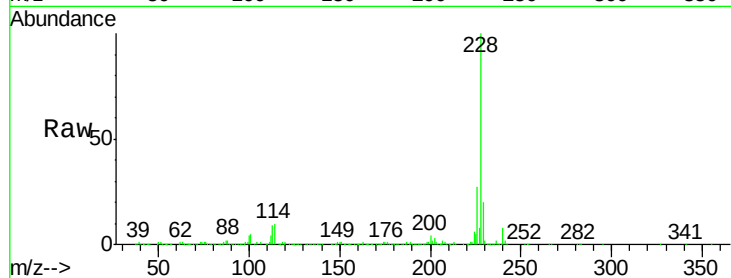
Tot Ion:228 Resp: 1121453

Ion Ratio Lower Upper

228 100

229 19.7 16.6 25.0

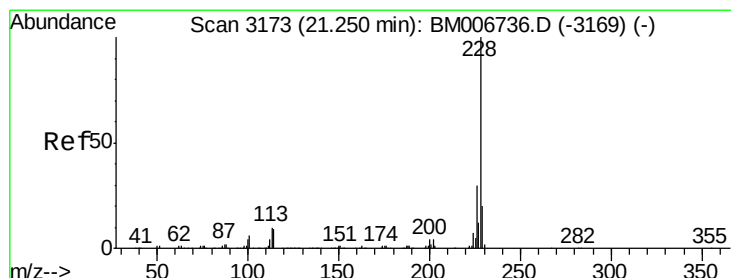
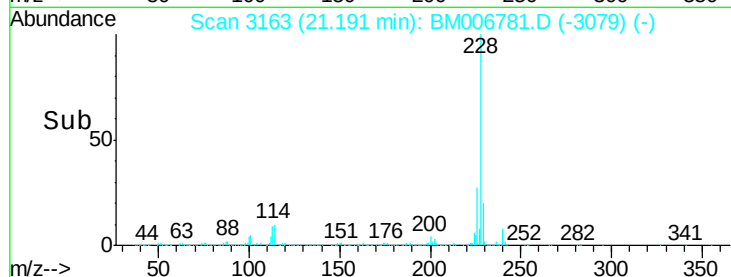
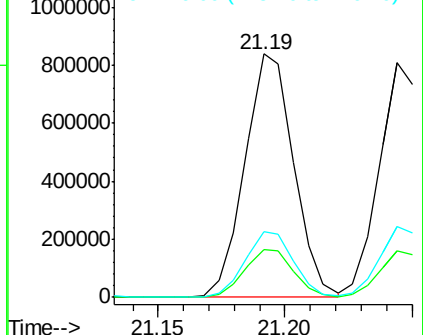
226 27.0 21.0 31.4



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: 19.81 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

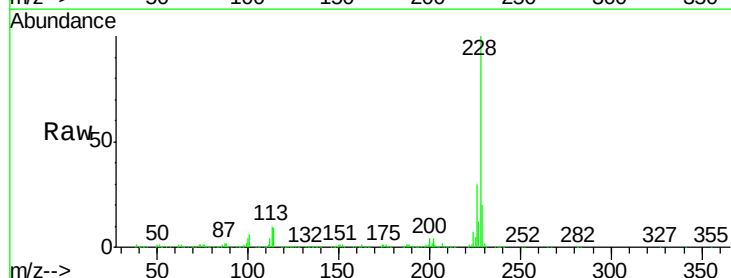
Tgt Ion:228 Resp: 1024241

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

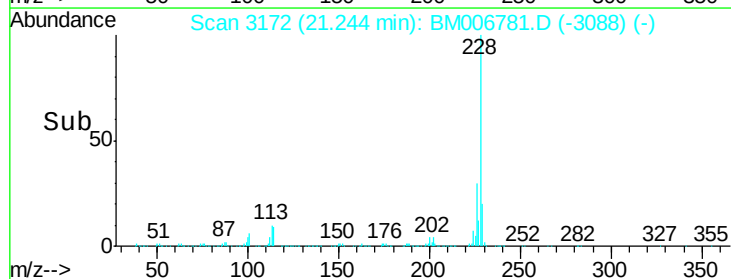
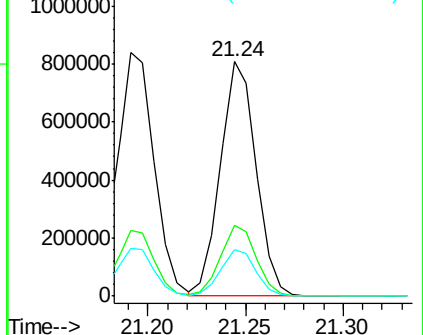
229 19.7 16.2 24.2

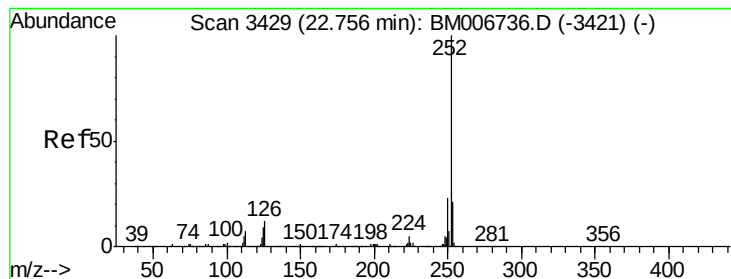


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 20.70 ng/ul

RT: 22.75 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Instrument :

BNA_M

ClientSampled :

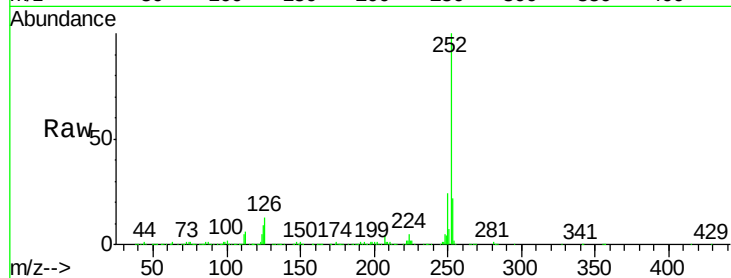
Tot Ion:252 Resp: 1186996

Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

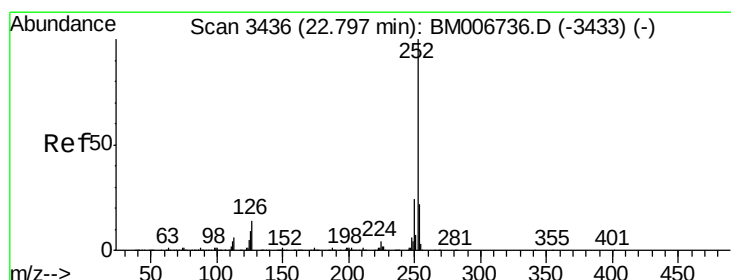
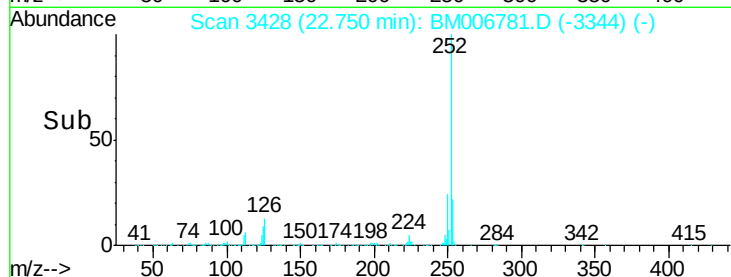
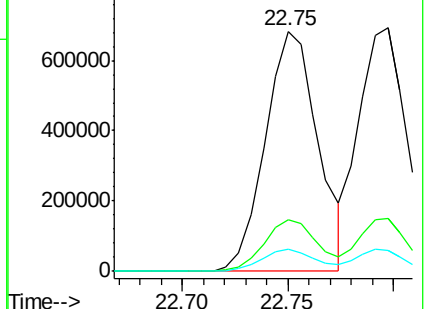
125 9.0 7.6 11.4



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: 19.91 ng/ul

RT: 22.80 min Scan# 3436

Delta R.T. -0.00 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

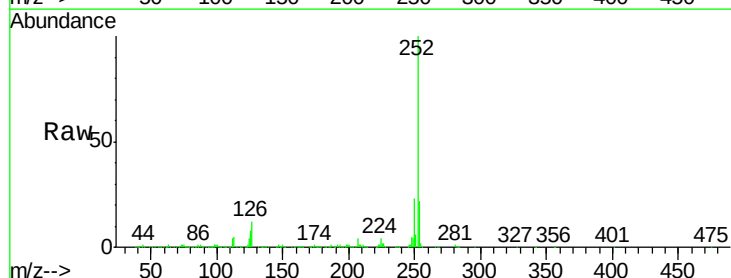
Tgt Ion:252 Resp: 1103935

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

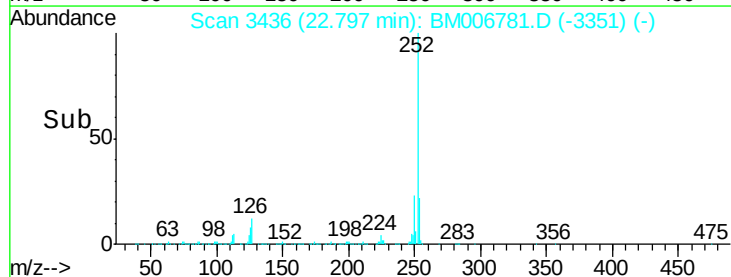
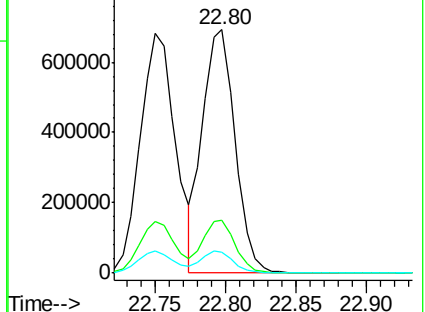
125 8.3 7.7 11.5

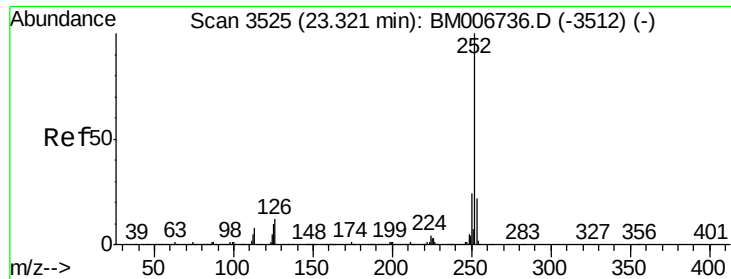


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

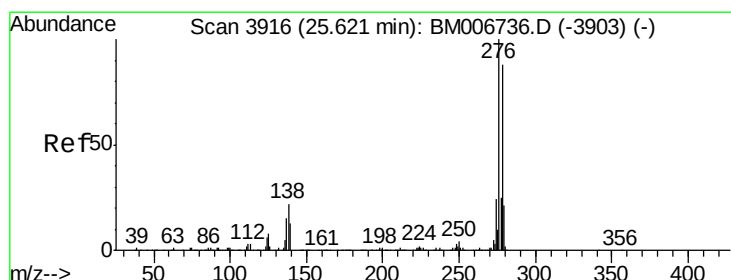
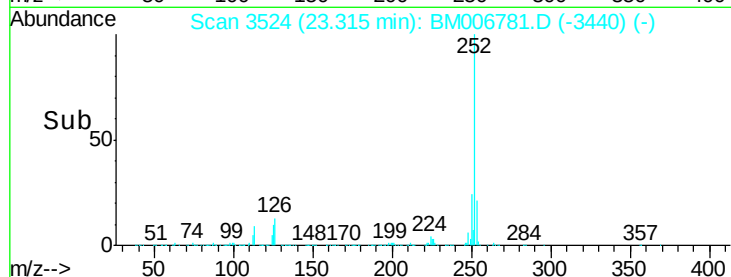
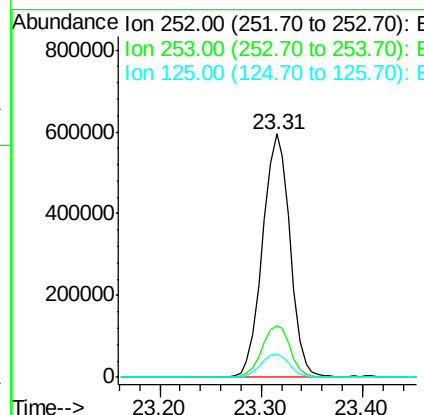
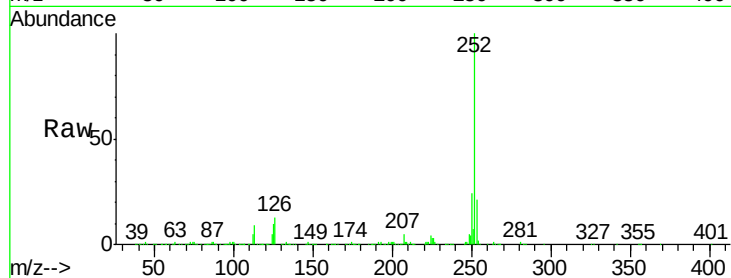




#38
Benzo(a)pyrene
Concen: 20.21 ng/ul
RT: 23.31 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006781.D
Acq: 31 Jul 2016 10:04

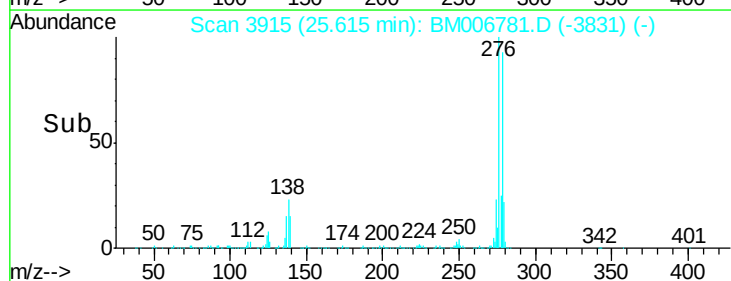
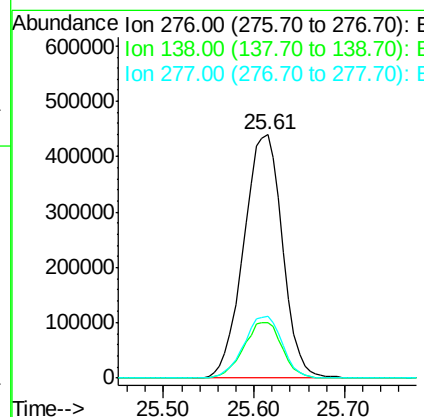
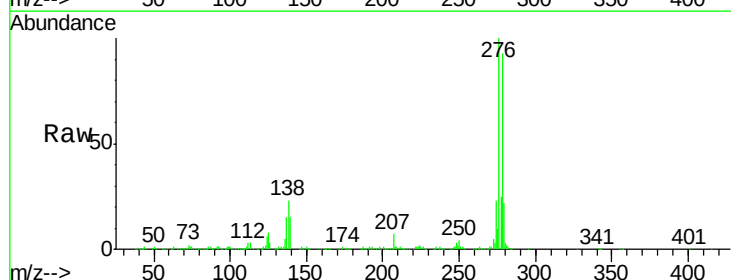
Instrument :
BNA_M
ClientSampleId :

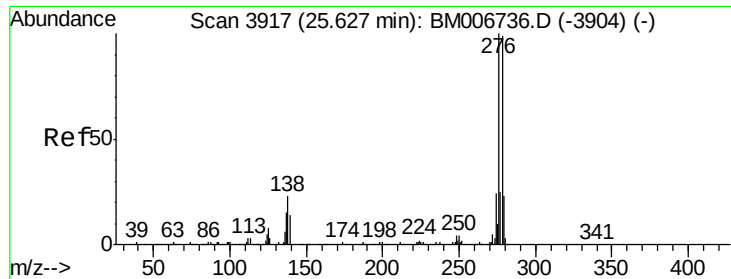
Tot Ion:252 Resp: 1127491
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.0
125 9.7 8.2 12.2



#39
Indeno(1,2,3-cd)pyrene
Concen: 20.19 ng/ul
RT: 25.61 min Scan# 3915
Delta R.T. -0.01 min
Lab File: BM006781.D
Acq: 31 Jul 2016 10:04

Tgt Ion:276 Resp: 1304870
Ion Ratio Lower Upper
276 100
138 22.8 15.8 23.6
277 25.2 19.0 28.6





#40

Dibenzo(a,h)anthracene

Concen: 20.42 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

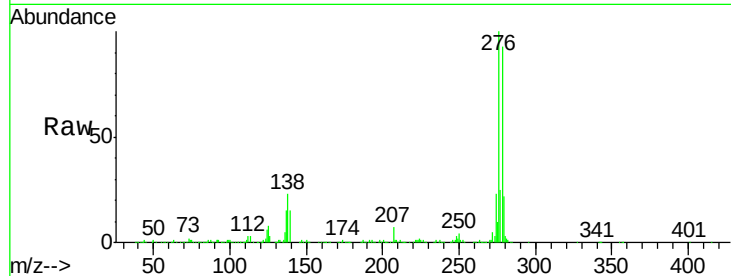
Instrument :

BNA_M

ClientSampled :

Tot Ion:278 Resp: 1093597

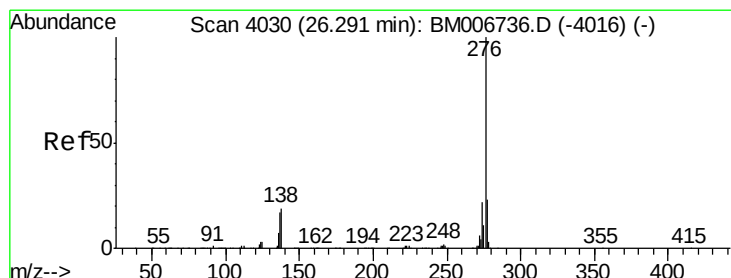
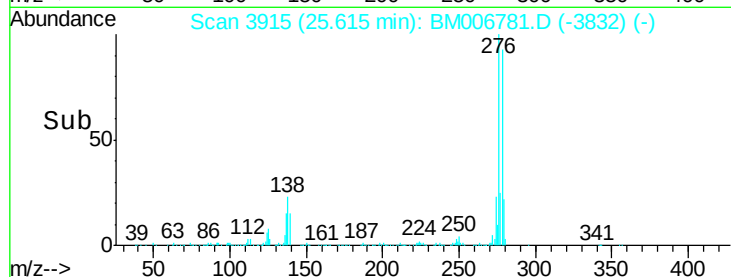
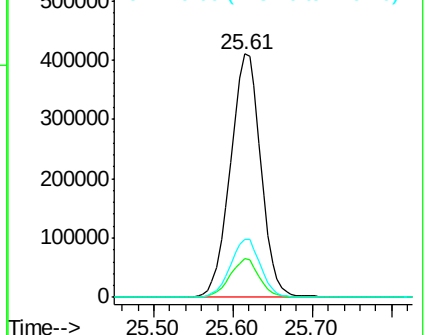
Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.1	18.1
279	23.9	19.8	29.8



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: 19.97 ng/ul

RT: 26.29 min Scan# 4029

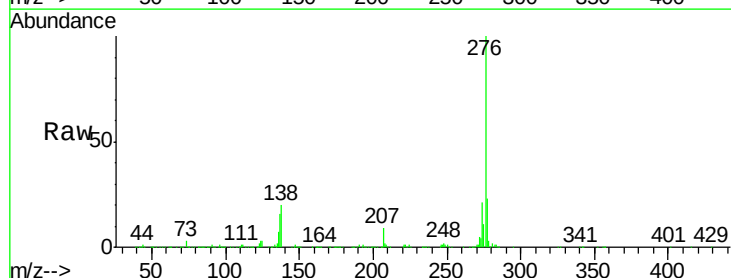
Delta R.T. -0.01 min

Lab File: BM006781.D

Acq: 31 Jul 2016 10:04

Tgt Ion:276 Resp: 1105941

Ion	Ratio	Lower	Upper
276	100		
138	19.7	13.9	20.9
277	23.3	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

