

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070516\
 Data File : BM006270.D
 Acq On : 05 Jul 2016 22:34
 Operator : UM/SJ
 Sample : H3877-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V001-BF005-01

Quant Time: Jul 06 01:00:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM070216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 05 17:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	204063	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	929655	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	509657	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.04	188	1033489	20.00	ng/ul	0.00
75) Chrysene-d12	21.24	240	860588	20.00	ng/ul	0.00
83) Perylene-d12	23.45	264	851489	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	8306	1.74	ng/uL	0.00
5) Phenol-d5	6.82	99	386131	20.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	250683	22.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	293384	20.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	309192	19.99	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	151105	20.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	160195	19.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	291721	19.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	394171	24.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.70	166	917809	21.58	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1175487	22.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	114095	14.15	ng/ul	0.00
57) Fluorene-d10	15.29	176	796374	21.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.42	200	72629	11.99	ng/ul	0.00
70) Anthracene-d10	17.14	188	1106821	22.45	ng/ul	0.00
76) Pyrene-d10	19.44	212	1090467	26.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.31	264	964003	24.37	ng/ul	0.00

Target Compounds

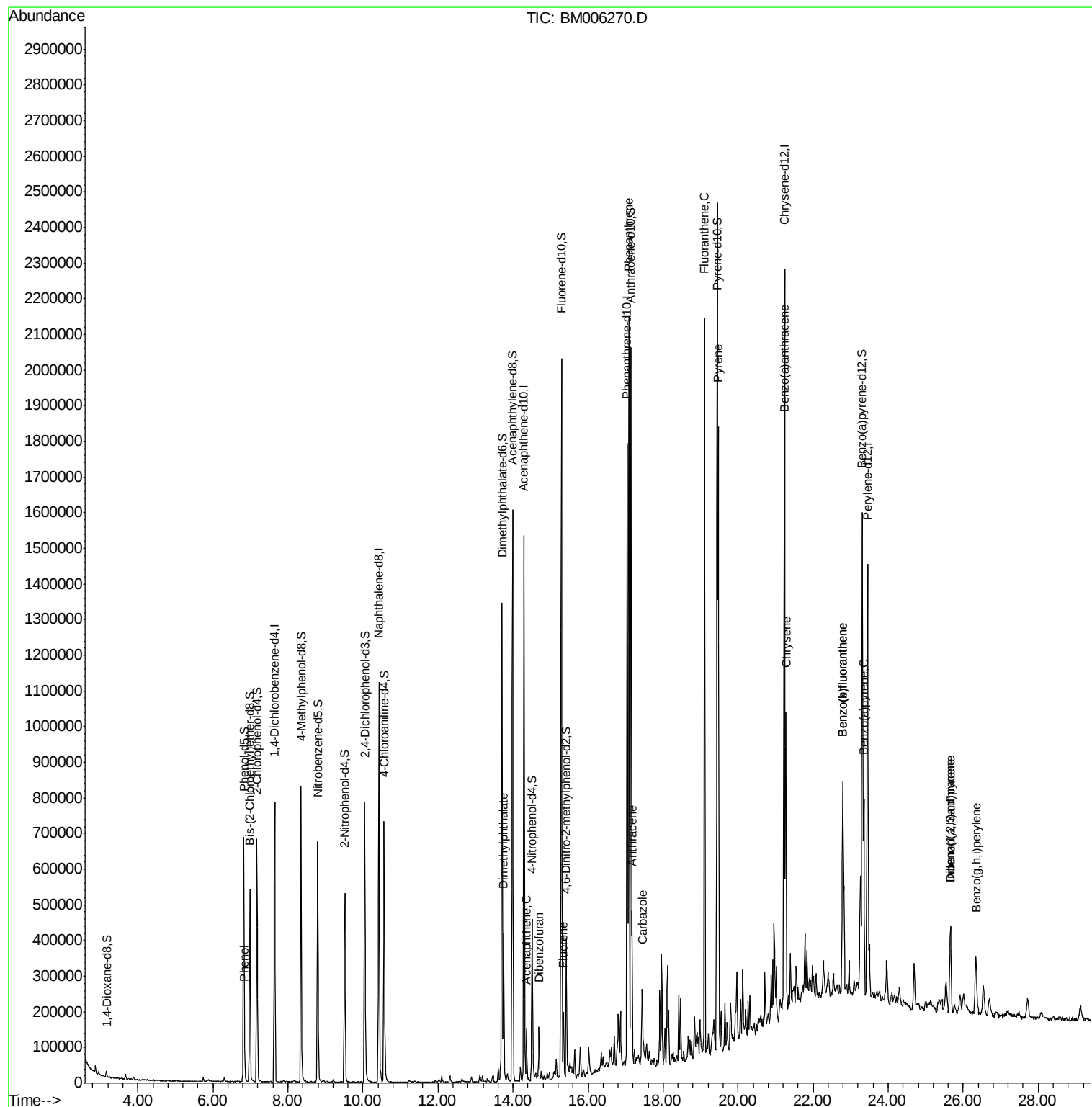
						Qvalue
6) Phenol	6.85	94	22584	1.14	ng/ul	99
44) Dimethylphthalate	13.75	163	237551	5.56	ng/ul	99
49) Acenaphthene	14.36	153	59787	1.70	ng/ul	98
53) Dibenzofuran	14.69	168	76667	1.53	ng/ul	98
58) Fluorene	15.34	166	76208	1.90	ng/ul	98
69) Phenanthrene	17.09	178	1257605	21.82	ng/ul	99
71) Anthracene	17.17	178	232260	3.90	ng/ul	98
72) Carbazole	17.45	167	55117	1.10	ng/ul	98
74) Fluoranthene	19.11	202	1281484	19.97	ng/ul	99
77) Pyrene	19.47	202	1081998	20.05	ng/ul	99
80) Benzo(a)anthracene	21.22	228	445908	8.45	ng/ul	98
82) Chrysene	21.27	228	437950	9.09	ng/ul	97
85) Benzo(b)fluoranthene	22.79	252	525224	10.42	ng/ul#	97
86) Benzo(k)fluoranthene	22.79	252	525224	11.20	ng/ul#	97
88) Benzo(a)pyrene	23.35	252	375862	7.70	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.66	276	220217	3.95	ng/ul	99
90) Dibenzo(a,h)anthracene	25.66	278	59279	1.29	ng/ul#	86
91) Benzo(g,h,i)perylene	26.34	276	199377	4.14	ng/ul	96

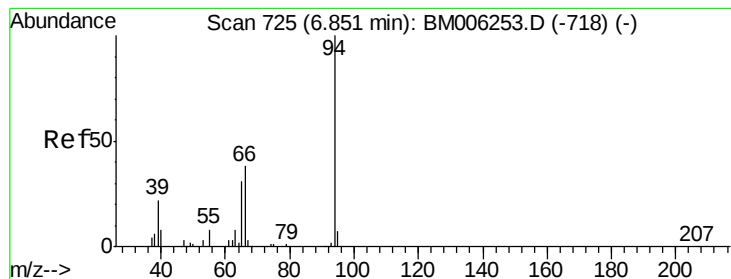
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.14 ng/ul

RT: 6.85 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

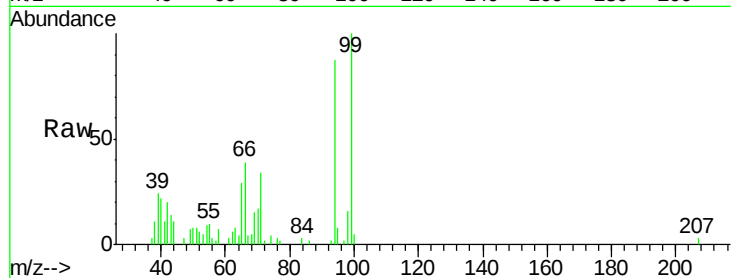
Tgt Ion: 94 Resp: 22584

Ion Ratio Lower Upper

94 100

65 33.4 25.8 38.8

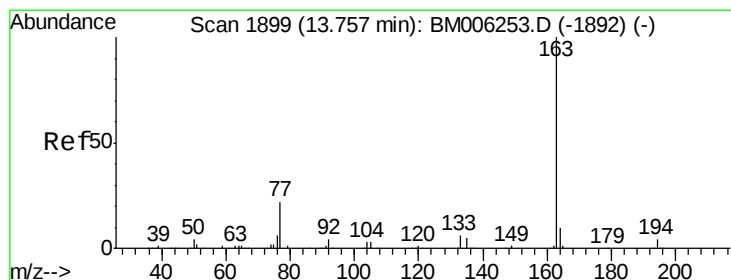
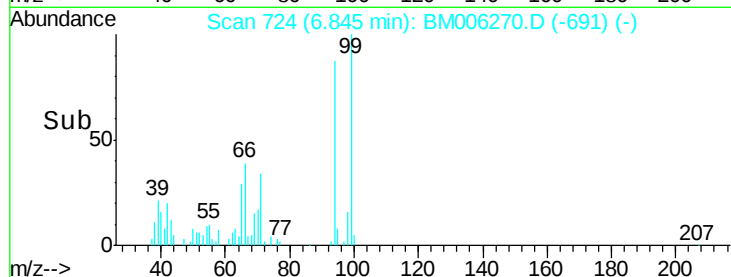
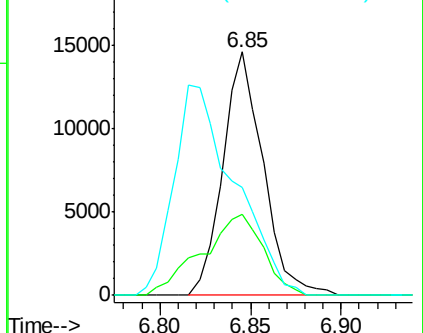
66 44.1 35.7 53.5



Abundance Ion 94.00 (93.70 to 94.70): BM006253.D (-718) (-)

Ion 65.00 (64.70 to 65.70): BM006253.D (-718) (-)

Ion 66.00 (65.70 to 66.70): BM006253.D (-718) (-)



#44

Dimethylphthalate

Concen: 5.56 ng/ul

RT: 13.75 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

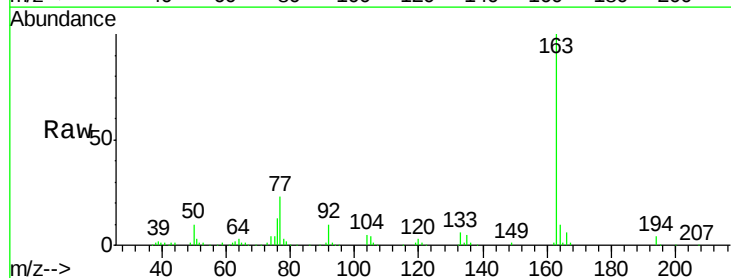
Tgt Ion: 163 Resp: 237551

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

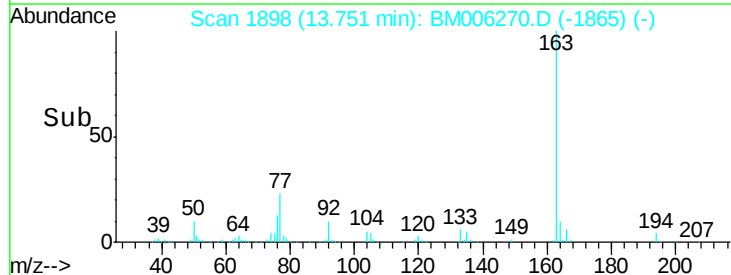
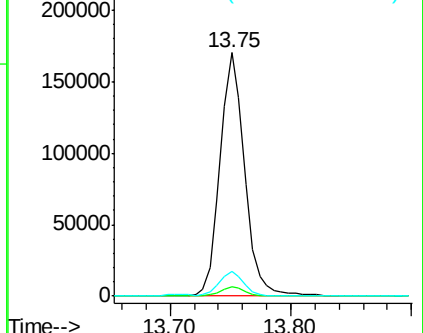
164 10.2 7.8 11.8

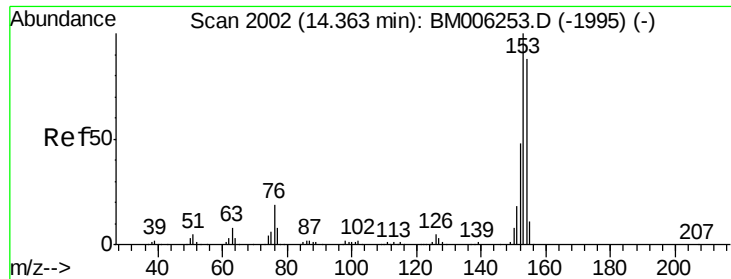


Abundance Ion 163.00 (162.70 to 163.70): BM006253.D (-1892) (-)

Ion 194.00 (193.70 to 194.70): BM006253.D (-1892) (-)

Ion 164.00 (163.70 to 164.70): BM006253.D (-1892) (-)





#49

Acenaphthene

Concen: 1.70 ng/ul

RT: 14.36 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

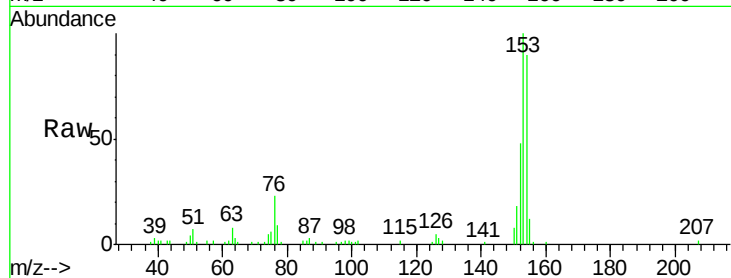
Tgt Ion:153 Resp: 59787

Ion Ratio Lower Upper

153 100

152 47.6 37.7 56.5

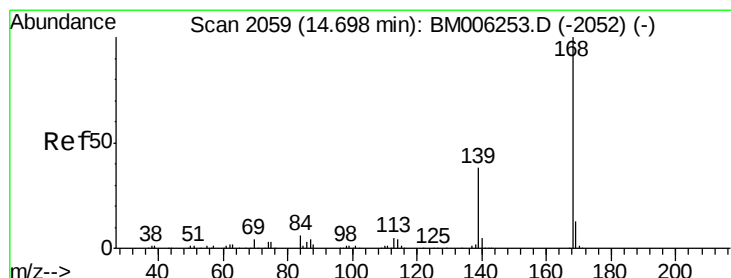
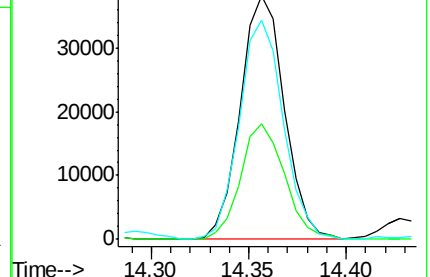
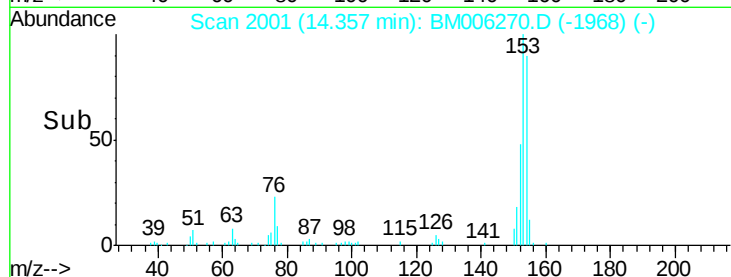
154 89.9 70.0 105.0



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



#53

Dibenzofuran

Concen: 1.53 ng/ul

RT: 14.69 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BM006270.D

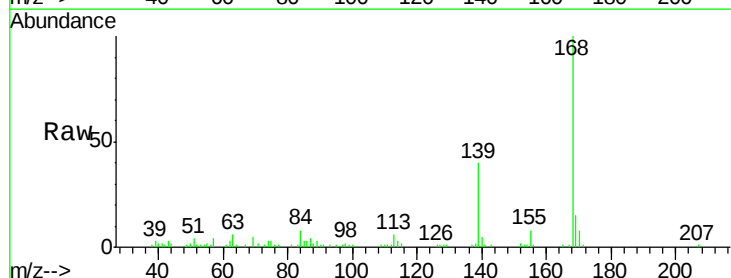
Acq: 05 Jul 2016 22:34

Tgt Ion:168 Resp: 76667

Ion Ratio Lower Upper

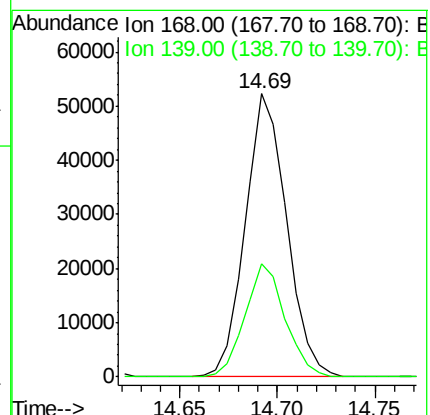
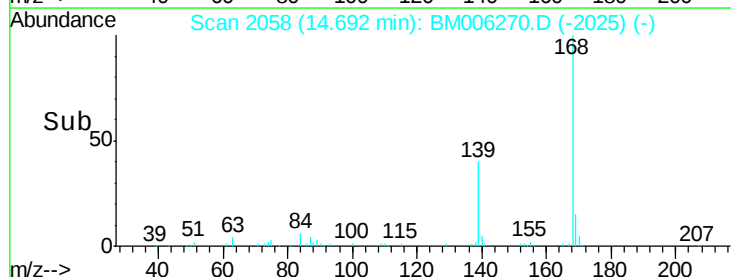
168 100

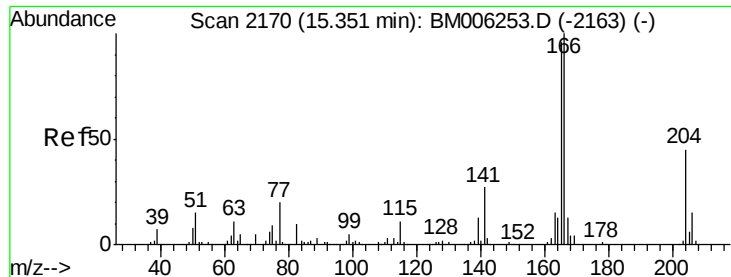
139 39.8 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.90 ng/ul

RT: 15.34 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

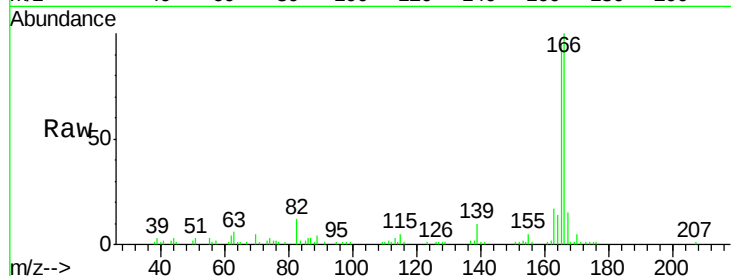
Tgt Ion:166 Resp: 76208

Ion Ratio Lower Upper

166 100

165 95.3 77.5 116.3

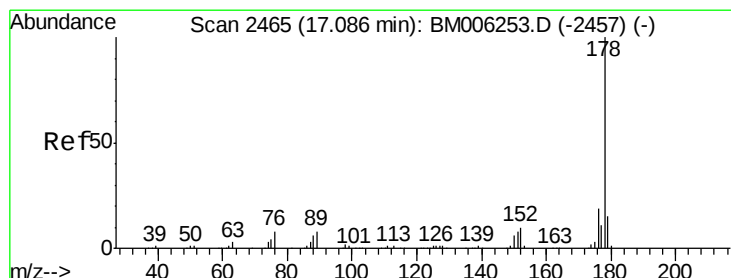
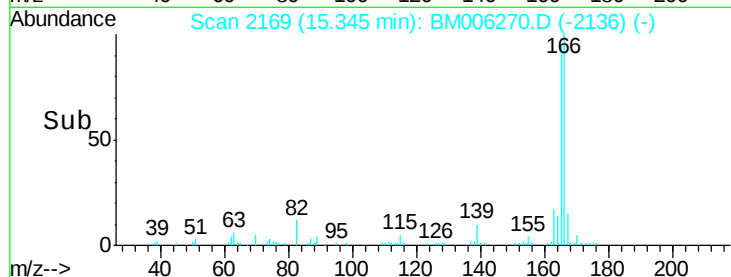
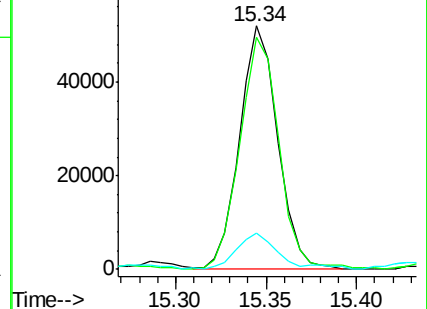
167 14.9 10.8 16.2



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



#69

Phenanthrene

Concen: 21.82 ng/ul

RT: 17.09 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

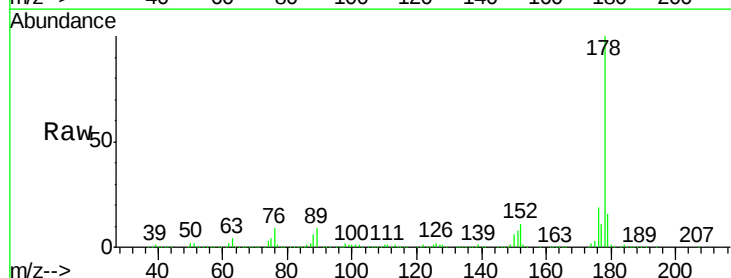
Tgt Ion:178 Resp: 1257605

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

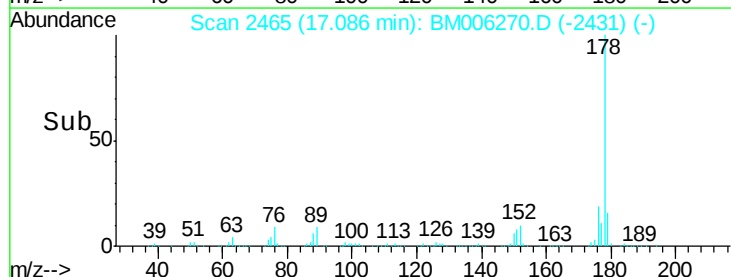
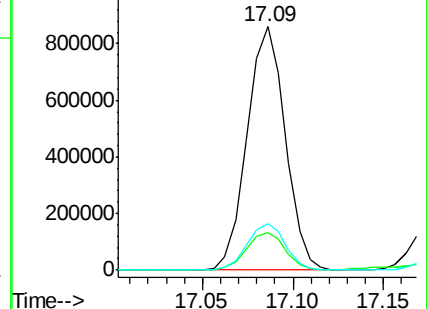
176 19.1 15.2 22.8

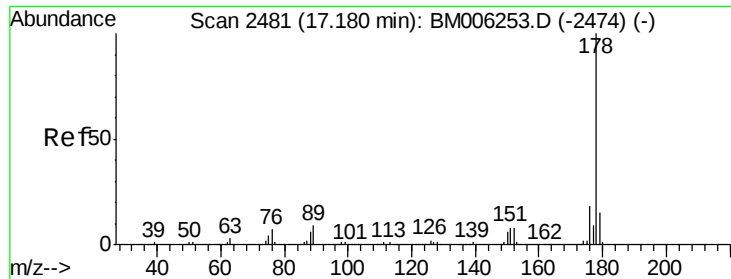


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

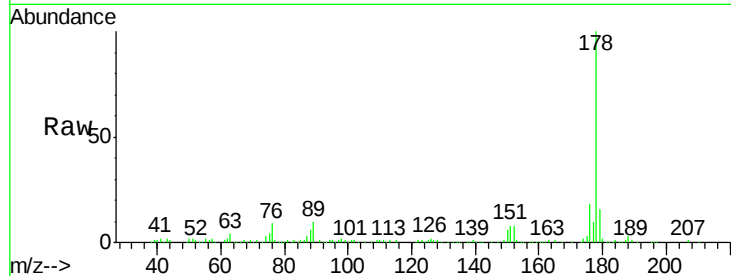




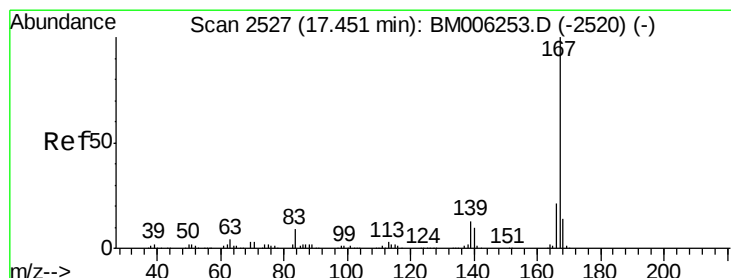
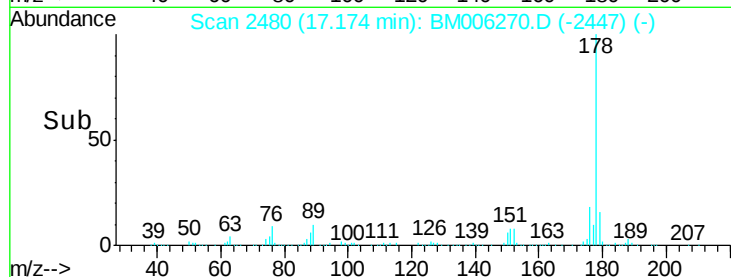
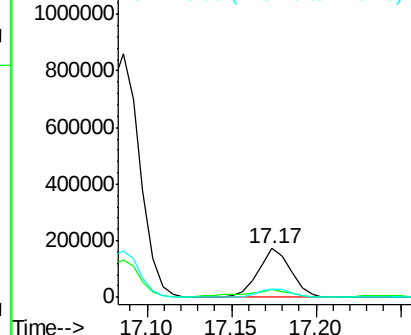
#71
 Anthracene
 Concen: 3.90 ng/ul
 RT: 17.17 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Instrument :
 BNA_M
 ClientSampleId :
 V001-BF005-01

Tgt Ion:178 Resp: 232260
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.0 18.0
 176 17.5 15.0 22.6

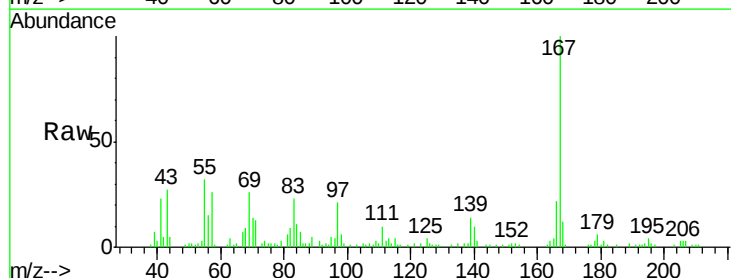


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

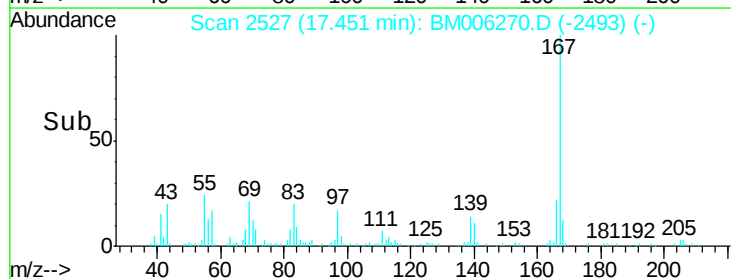
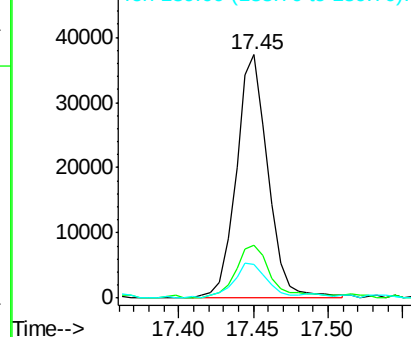


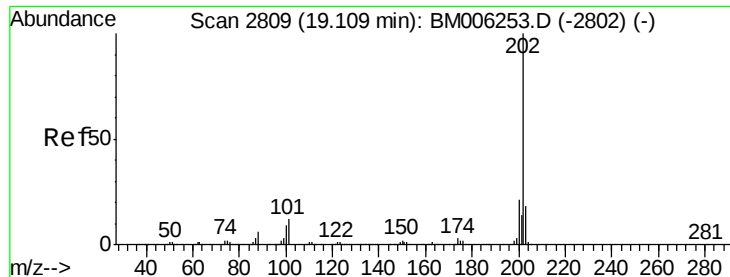
#72
 Carbazole
 Concen: 1.10 ng/ul
 RT: 17.45 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BM006270.D
 Acq: 05 Jul 2016 22:34

Tgt Ion:167 Resp: 55117
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 13.8 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 19.97 ng/ul

RT: 19.11 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

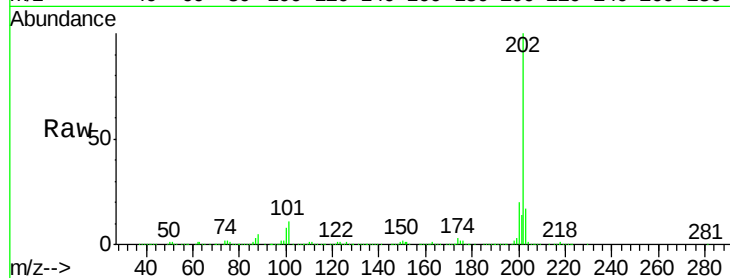
Tgt Ion:202 Resp: 1281484

Ion Ratio Lower Upper

202 100

101 11.0 8.6 12.8

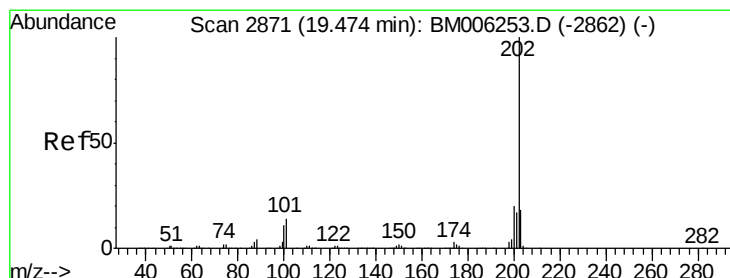
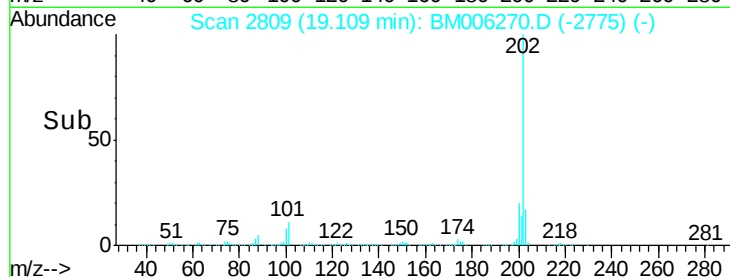
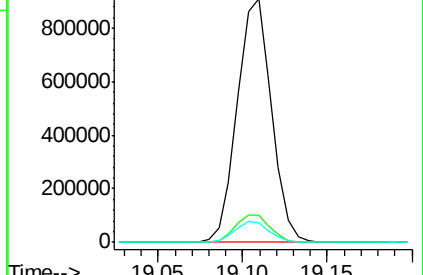
100 7.9 6.4 9.6



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



#77

Pyrene

Concen: 20.05 ng/ul

RT: 19.47 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

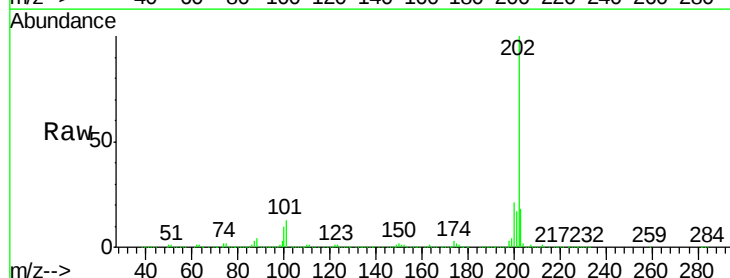
Tgt Ion:202 Resp: 1081998

Ion Ratio Lower Upper

202 100

101 12.9 10.0 15.0

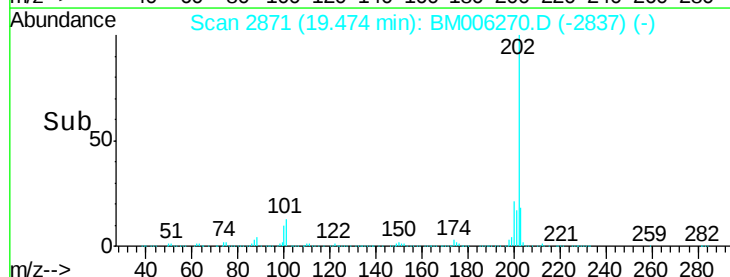
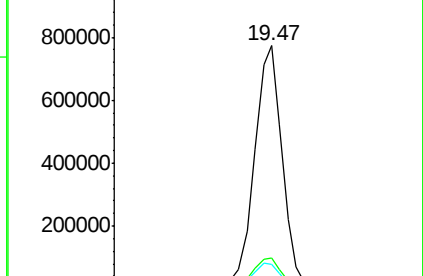
100 10.0 7.9 11.9

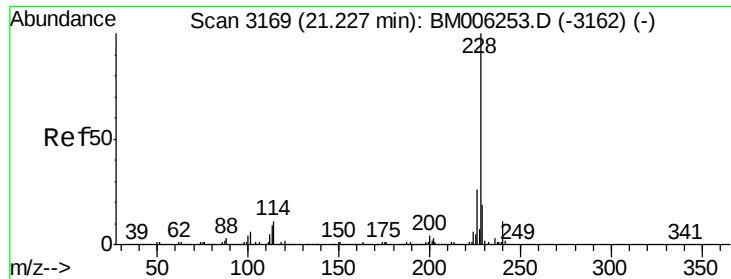


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 8.45 ng/ul

RT: 21.22 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

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V001-BF005-01

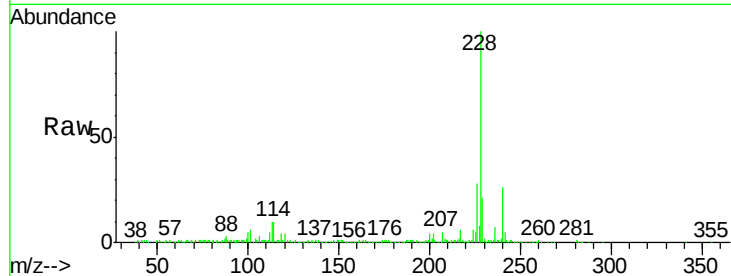
Tgt Ion:228 Resp: 445908

Ion Ratio Lower Upper

228 100

229 21.0 15.6 23.4

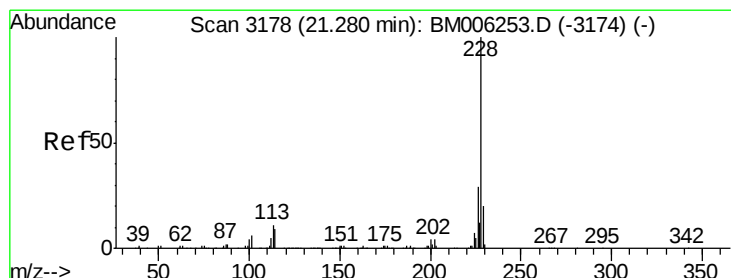
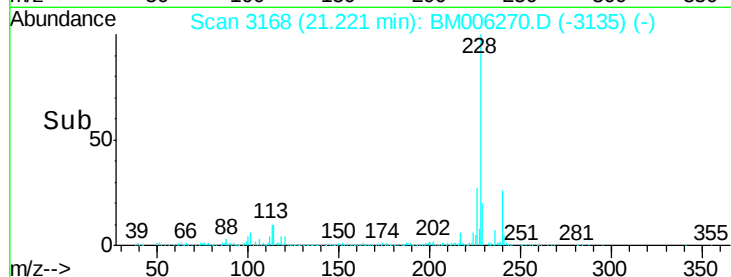
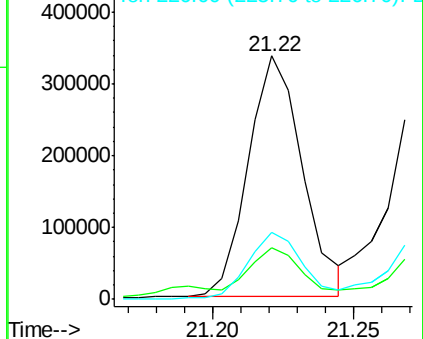
226 27.6 21.4 32.2



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



#82

Chrysene

Concen: 9.09 ng/ul

RT: 21.27 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

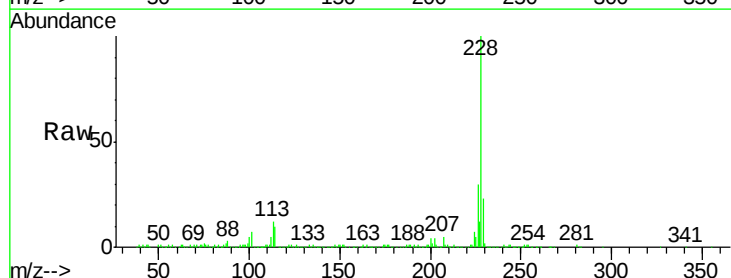
Tgt Ion:228 Resp: 437950

Ion Ratio Lower Upper

228 100

226 29.7 23.3 34.9

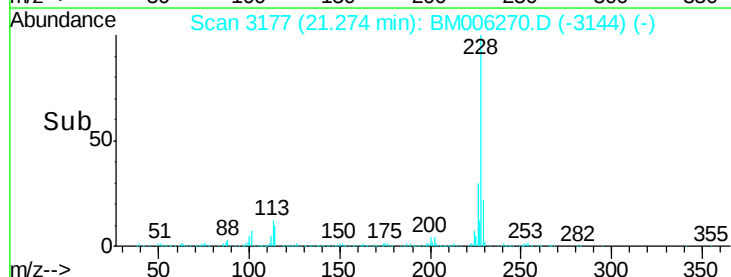
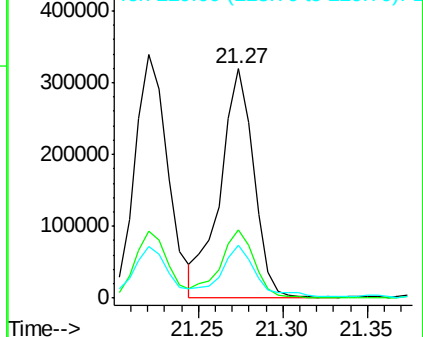
229 22.9 15.8 23.8

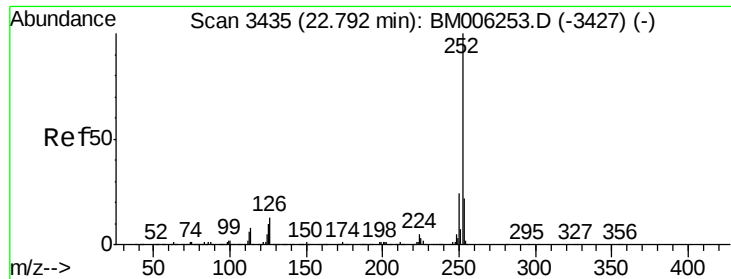


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 10.42 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

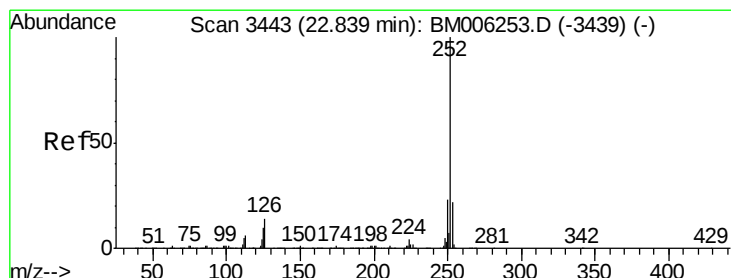
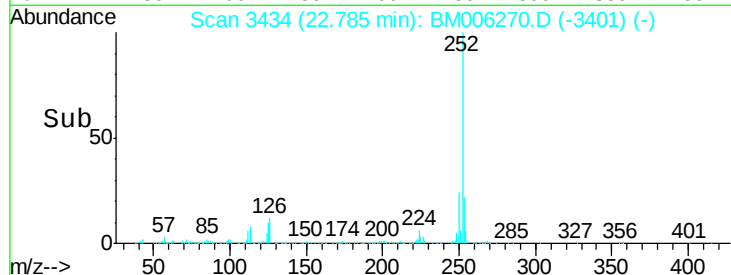
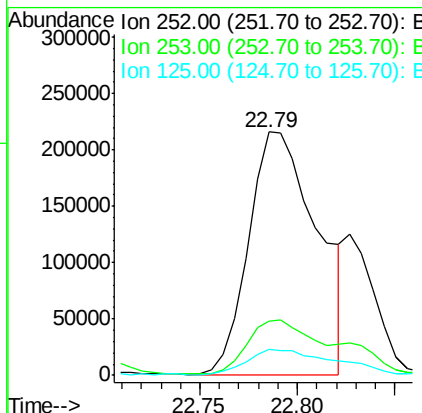
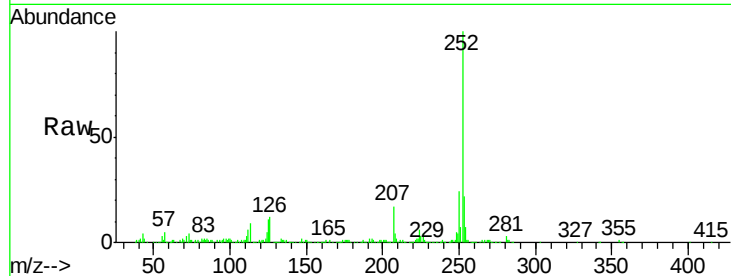
Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

Tgt Ion:	252	Resp:	525224
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.8	6.7	10.1#



#86

Benzo(k)fluoranthene

Concen: 11.20 ng/ul

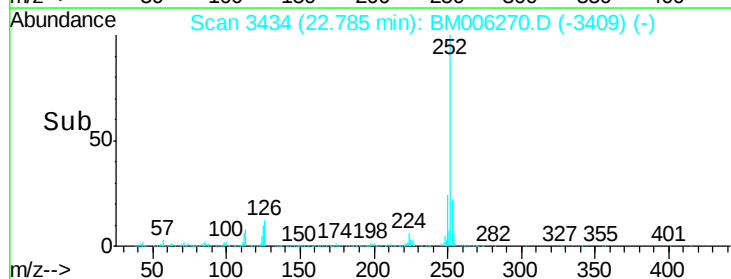
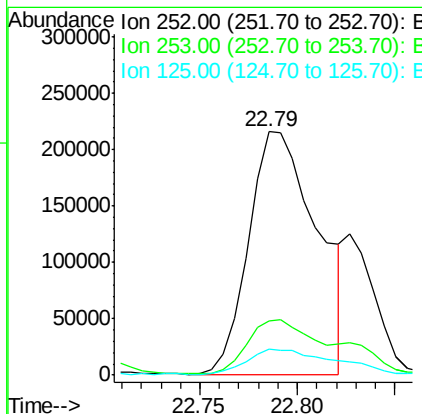
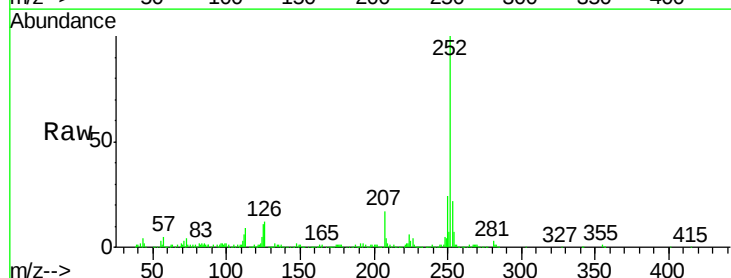
RT: 22.79 min Scan# 3434

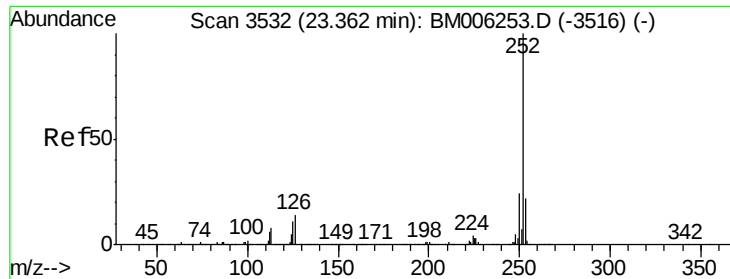
Delta R.T. -0.05 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Tgt Ion:	252	Resp:	525224
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	10.8	7.0	10.4#





#88

Benzo(a)pyrene

Concen: 7.70 ng/ul

RT: 23.35 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

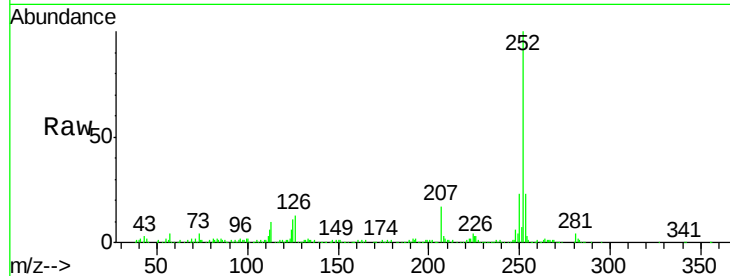
Tgt Ion:252 Resp: 375862

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

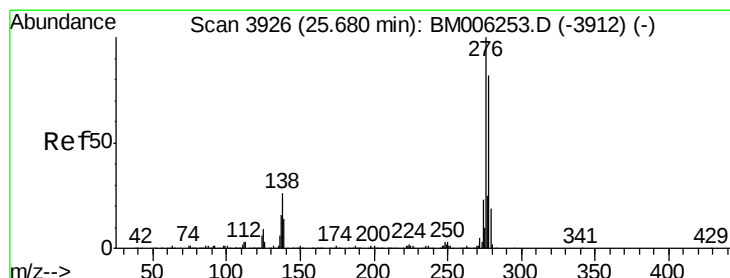
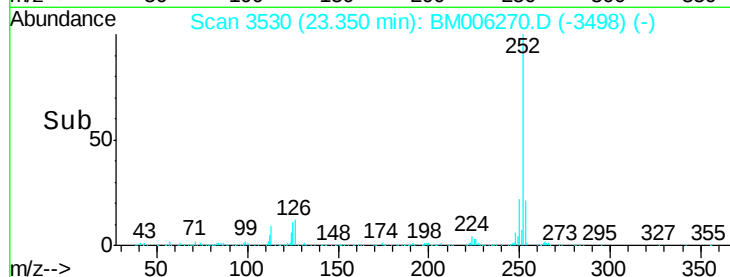
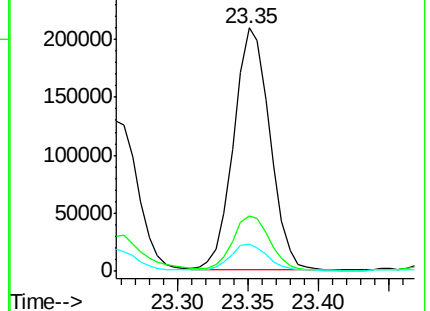
125 11.3 7.6 11.4



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.95 ng/ul

RT: 25.66 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

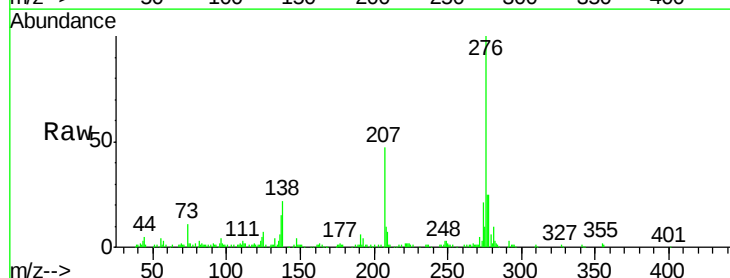
Tgt Ion:276 Resp: 220217

Ion Ratio Lower Upper

276 100

138 21.7 17.8 26.6

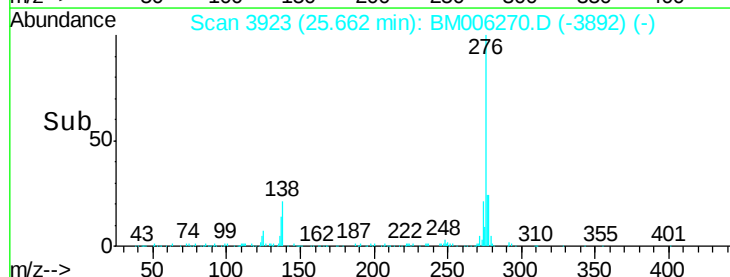
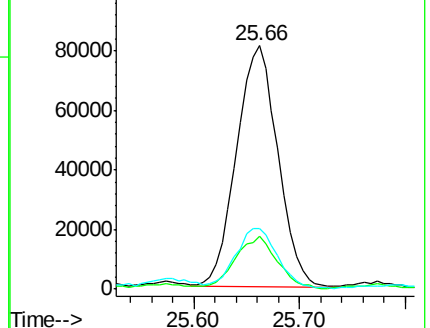
277 24.7 20.1 30.1

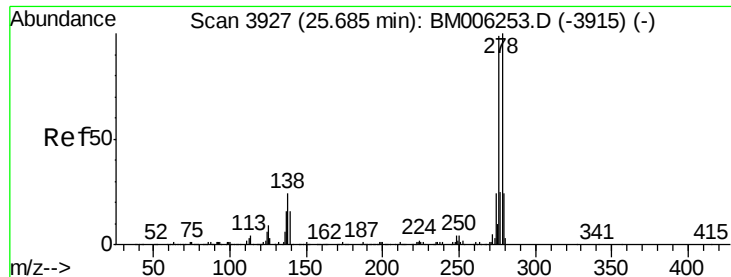


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.29 ng/ul

RT: 25.66 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

Instrument :

BNA_M

ClientSampleId :

V001-BF005-01

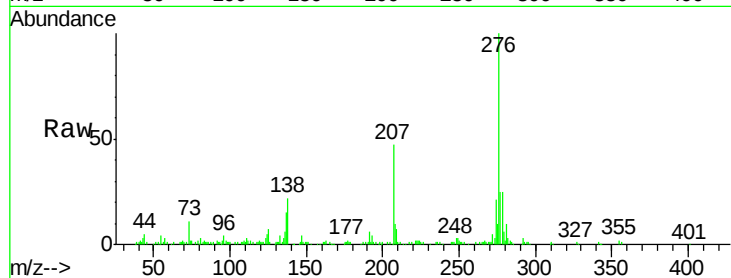
Tgt Ion:278 Resp: 59279

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

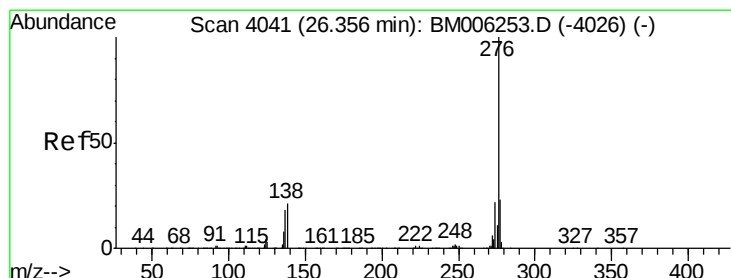
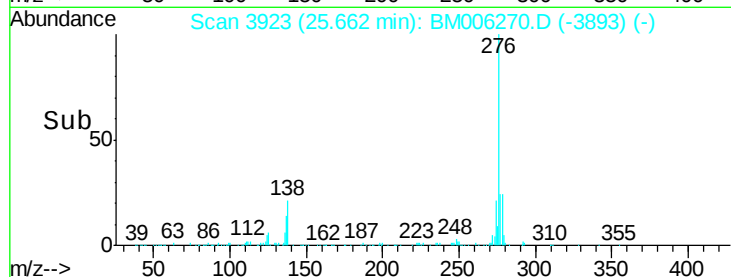
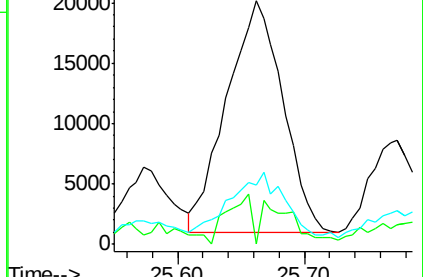
279 24.3 19.2 28.8



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



#91

Benzo(g,h,i)perylene

Concen: 4.14 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. -0.01 min

Lab File: BM006270.D

Acq: 05 Jul 2016 22:34

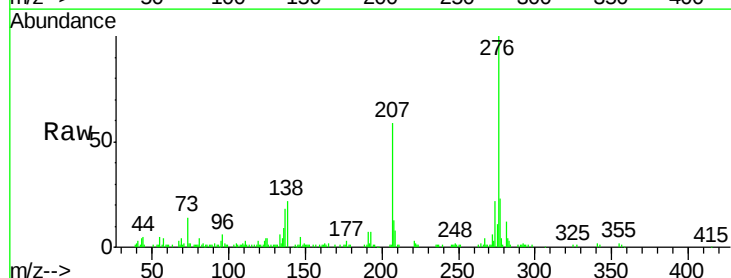
Tgt Ion:276 Resp: 199377

Ion Ratio Lower Upper

276 100

138 21.8 15.0 22.4

277 23.2 19.0 28.4



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

