

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006512.D
 Acq On : 17 Jul 2016 12:23
 Operator : UM/SJ
 Sample : H3985-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 18 07:44:25 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	142731	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	605195	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	335243	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	752100	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	864316	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	939681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	2127	0.63	ng/uL	0.00
5) Phenol-d5	6.79	99	192636	16.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	129674	18.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	148562	15.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	173069	18.62	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	85903	18.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	92078	17.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	165860	16.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	218287	21.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	641082	23.36	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	793341	23.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	107125	22.48	ng/ul	0.00
57) Fluorene-d10	15.26	176	583487	23.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	80485	18.50	ng/ul	0.00
70) Anthracene-d10	17.12	188	968469	27.24	ng/ul	0.00
76) Pyrene-d10	19.42	212	1135265	28.97	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	1235274	28.75	ng/ul	0.01

Target Compounds

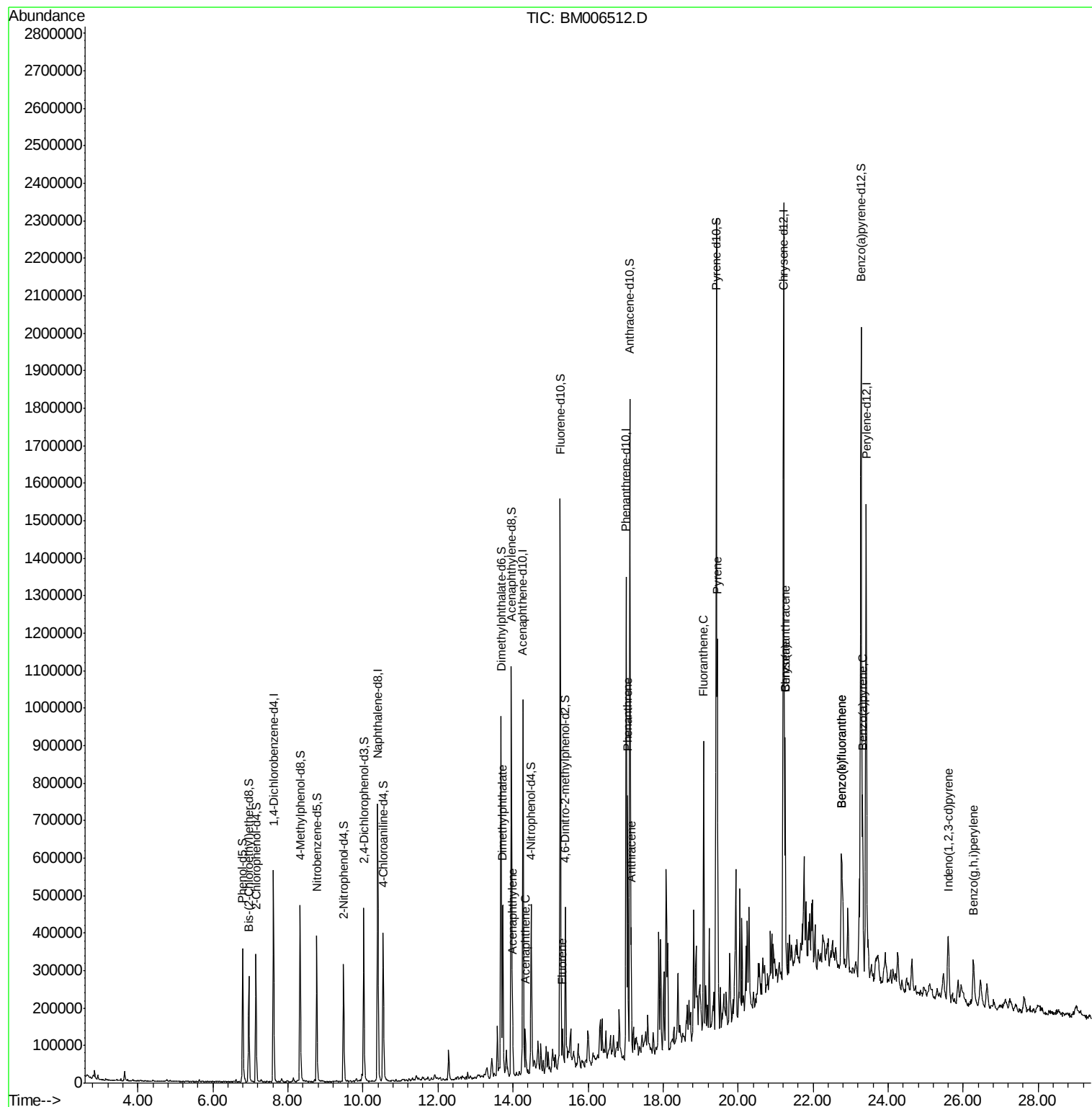
					Ovalue
44) Dimethylphthalate	13.73	163	277045	9.95 ng/ul	100
47) Acenaphthylene	13.99	152	70887	2.01 ng/ul#	95
49) Acenaphthene	14.33	153	51054	2.25 ng/ul	97
58) Fluorene	15.32	166	48668	1.84 ng/ul	94
69) Phenanthrene	17.06	178	405328	9.80 ng/ul	99
71) Anthracene	17.15	178	202831	4.77 ng/ul	99
74) Fluoranthene	19.08	202	427811	8.90 ng/ul	99
77) Pyrene	19.44	202	617182	11.96 ng/ul	100
80) Benzo(a)anthracene	21.25	228	375844	7.12 ng/ul	93
82) Chrysene	21.25	228	375844	7.57 ng/ul	96
85) Benzo(b)fluoranthene	22.76	252	321282	5.72 ng/ul#	98
86) Benzo(k)fluoranthene	22.76	252	321282	6.08 ng/ul#	98
88) Benzo(a)pyrene	23.32	252	337043	6.27 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.60	276	152358	2.43 ng/ul	97
91) Benzo(g,h,i)perylene	26.28	276	135993	2.46 ng/ul	99

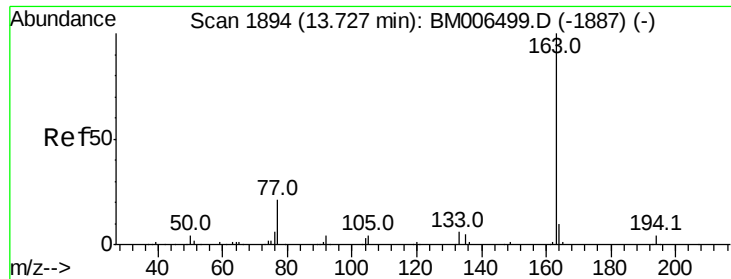
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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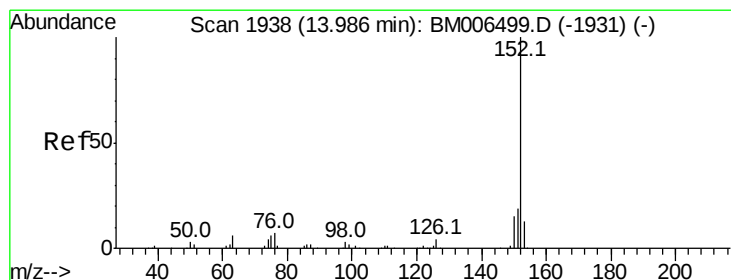
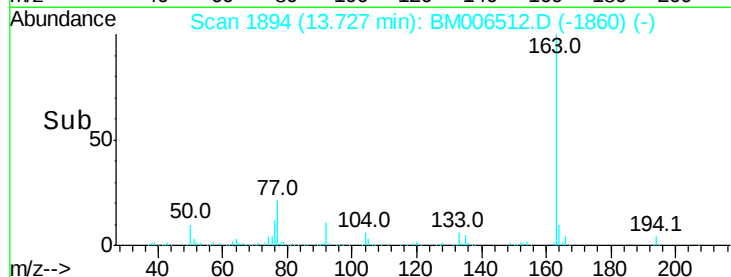
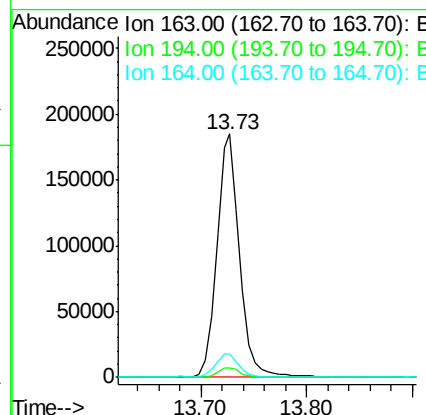
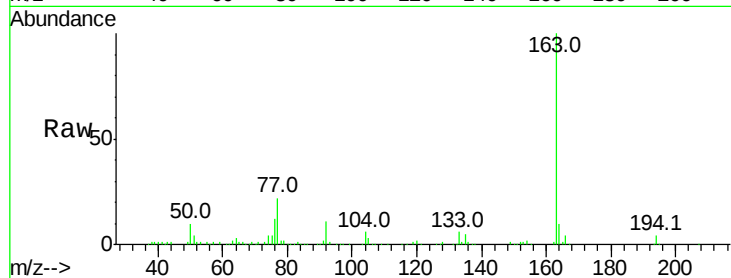




#44
Dimethylphthalate
Concen: 9.95 ng/ul
RT: 13.73 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

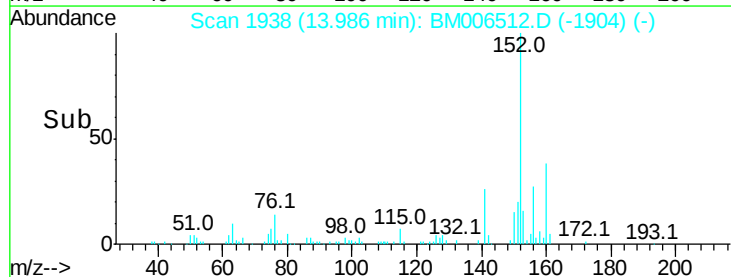
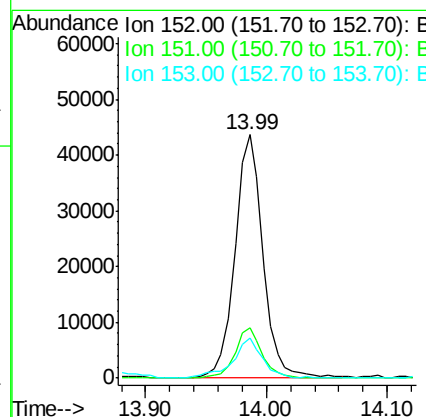
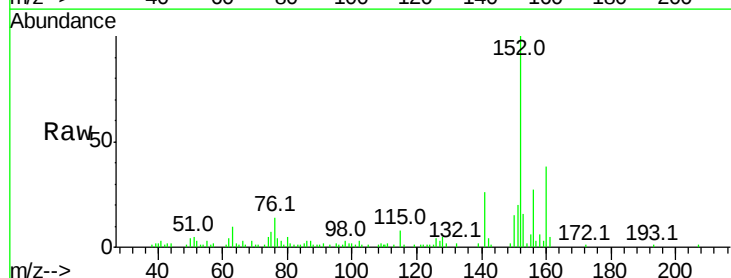
Instrument :
BNA_M
ClientSampleId :

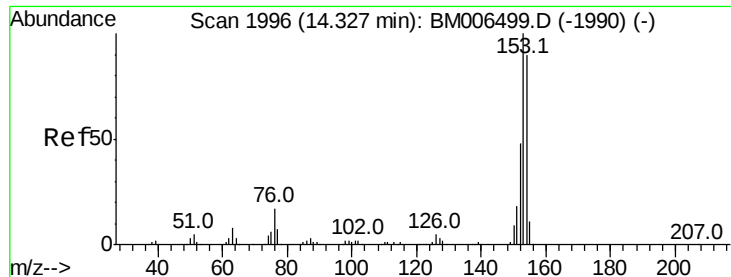
Tot Ion:163 Resp: 277045
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.8 7.8 11.8



#47
Acenaphthylene
Concen: 2.01 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Tgt Ion:152 Resp: 70887
Ion Ratio Lower Upper
152 100
151 20.4 15.6 23.4
153 16.4 10.3 15.5#





#49

Acenaphthene

Concen: 2.25 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

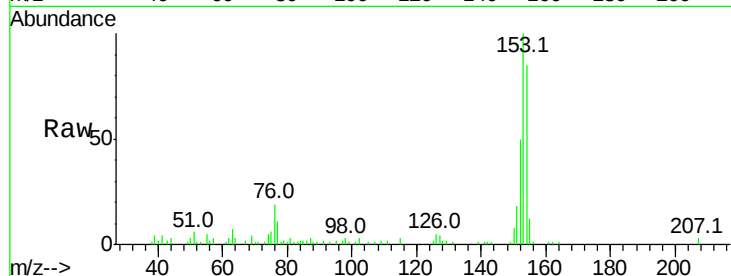
Tot Ion:153 Resp: 51054

Ion Ratio Lower Upper

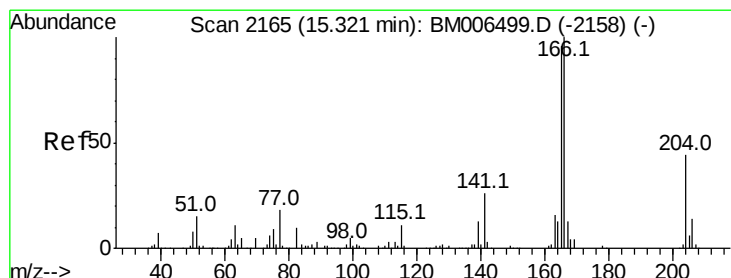
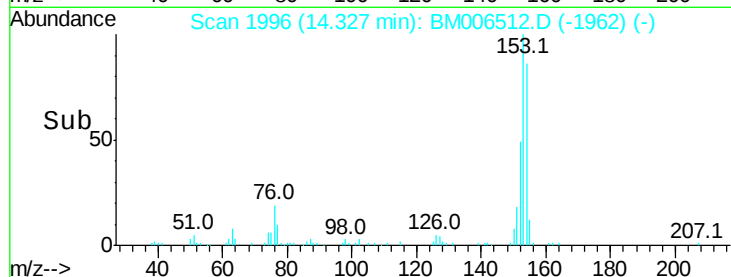
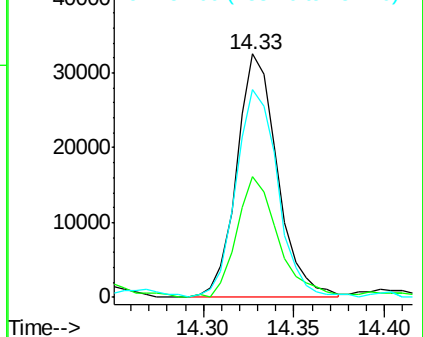
153 100

152 49.8 37.7 56.5

154 85.4 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



#58

Fluorene

Concen: 1.84 ng/ul

RT: 15.32 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

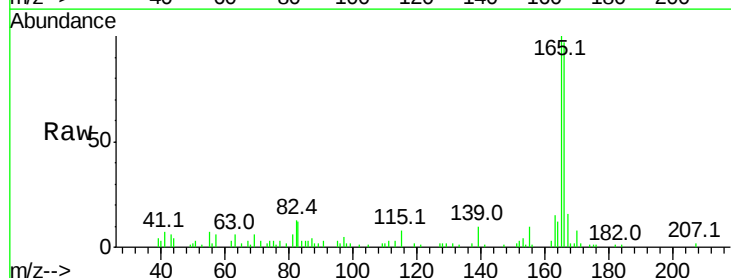
Tgt Ion:166 Resp: 48668

Ion Ratio Lower Upper

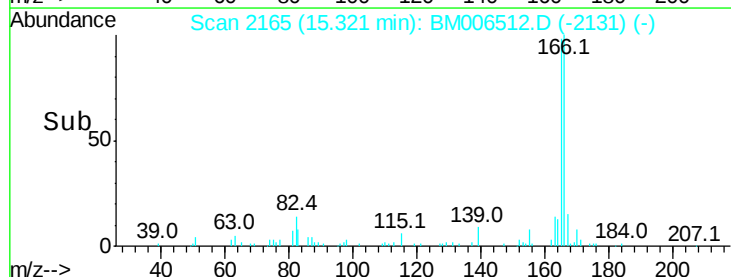
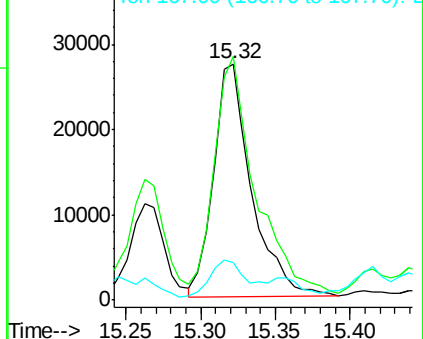
166 100

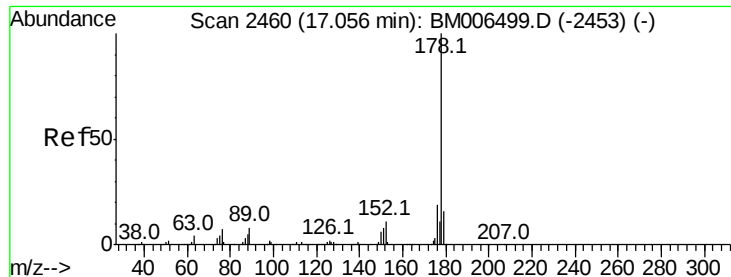
165 103.0 77.5 116.3

167 16.1 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: 9.80 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

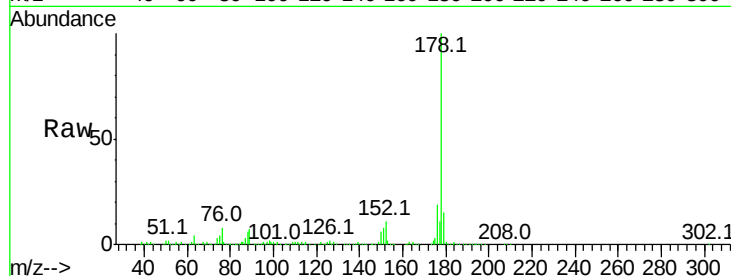
Tot Ion:178 Resp: 405328

Ion Ratio Lower Upper

178 100

179 15.4 11.9 17.9

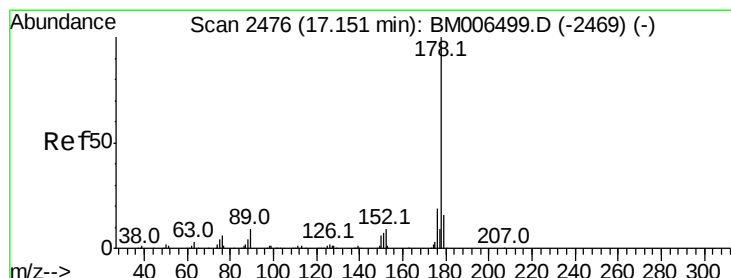
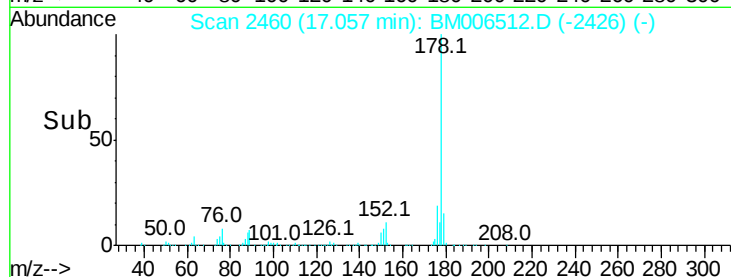
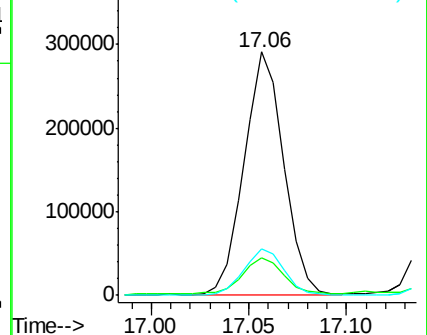
176 19.0 15.2 22.8



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: 4.77 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

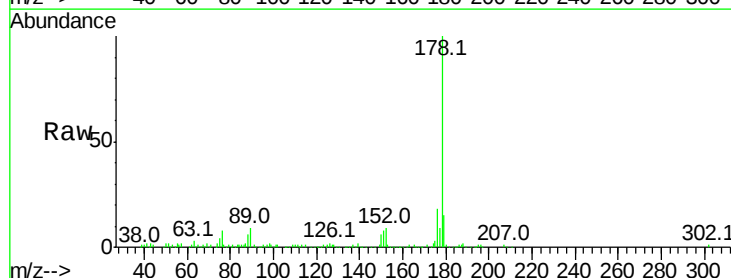
Tgt Ion:178 Resp: 202831

Ion Ratio Lower Upper

178 100

179 14.7 12.0 18.0

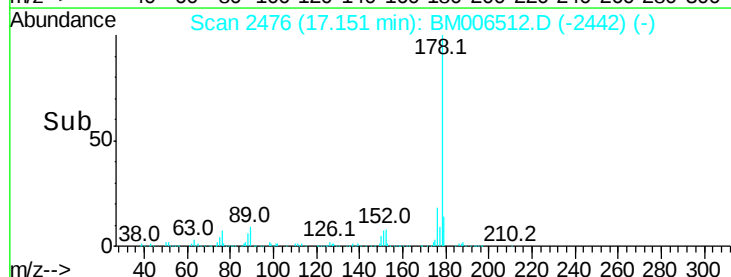
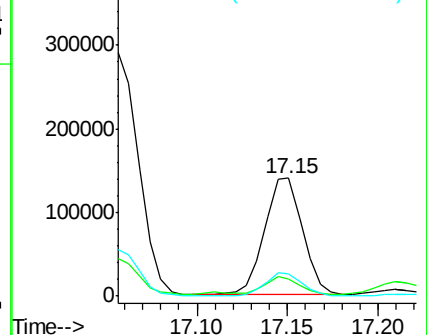
176 18.3 15.0 22.6

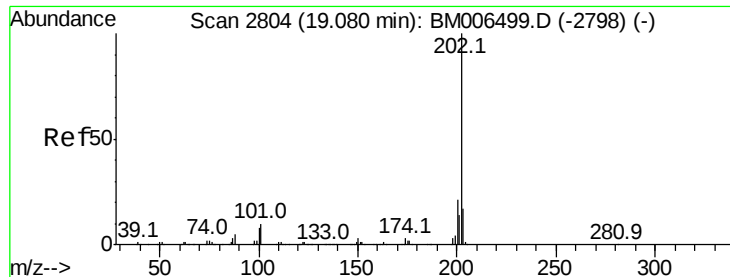


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

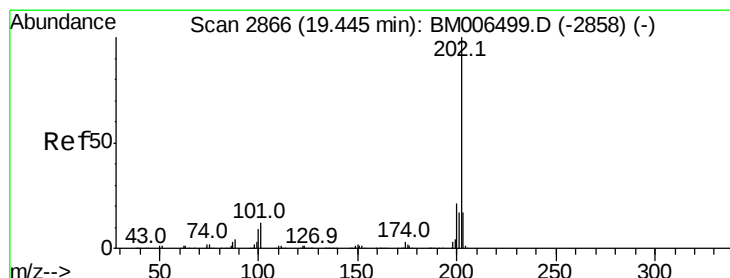
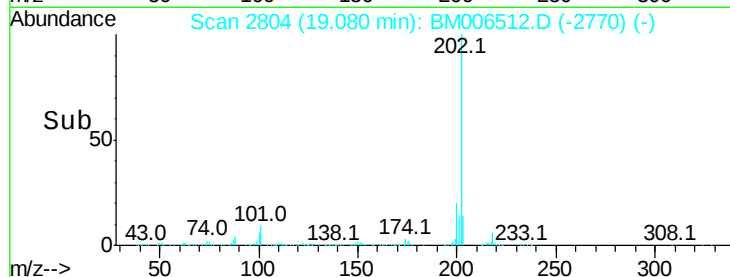
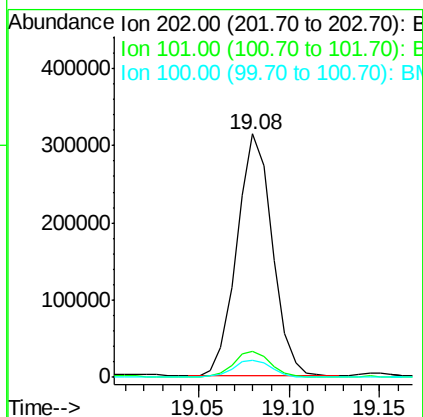
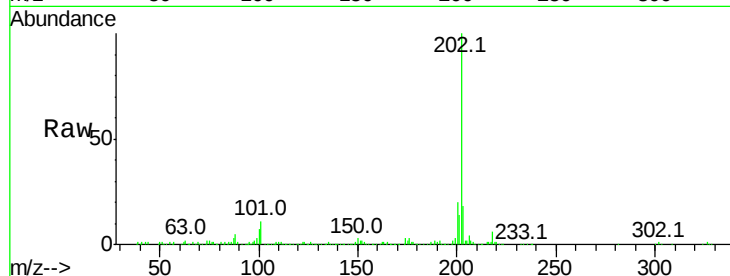




#74
 Fluoranthene
 Concen: 8.90 ng/ul
 RT: 19.08 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM006512.D
 Acq: 17 Jul 2016 12:23

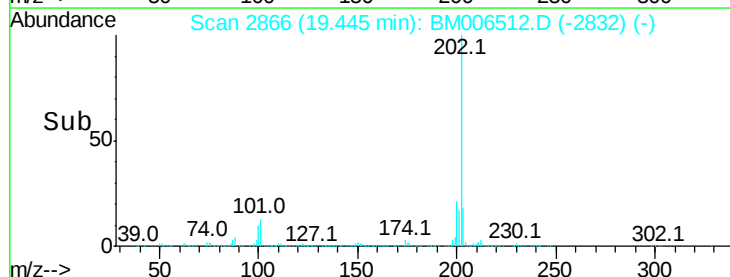
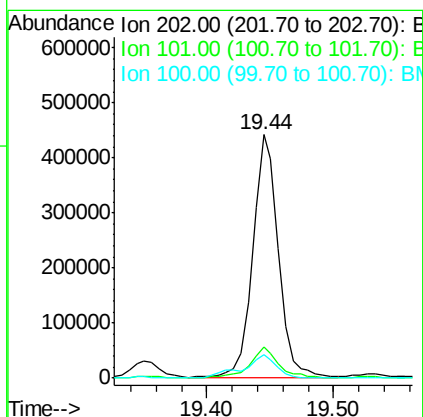
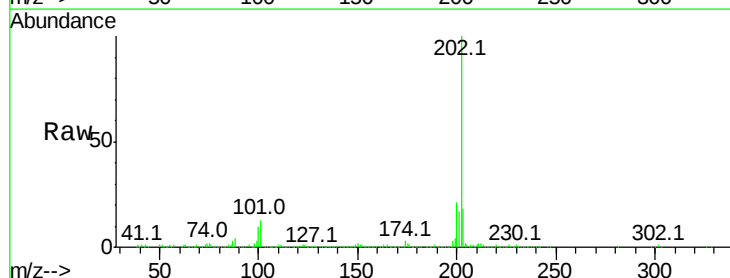
Instrument :
 BNA_M
 ClientSampleId :

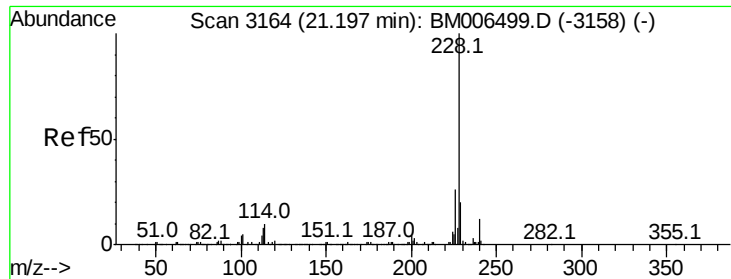
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.6	12.8
100	6.8	6.4	9.6



#77
 Pyrene
 Concen: 11.96 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BM006512.D
 Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.0	15.0
100	9.8	7.9	11.9





#80

Benzo(a)anthracene

Concen: 7.12 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.05 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

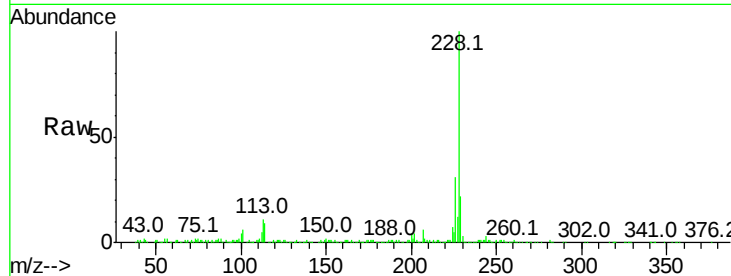
Tot Ion:228 Resp: 375844

Ion Ratio Lower Upper

228 100

229 22.0 15.6 23.4

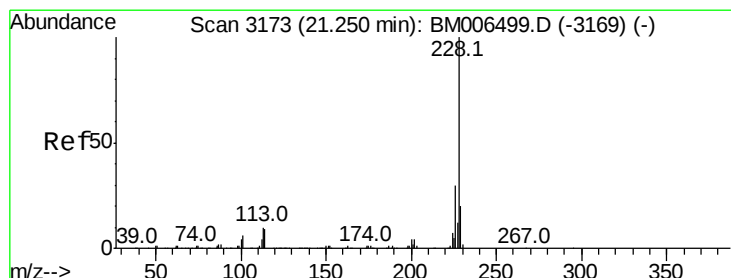
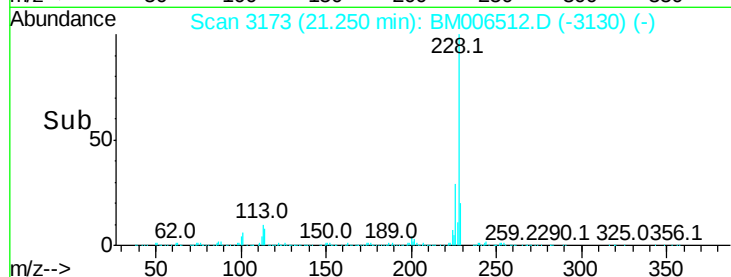
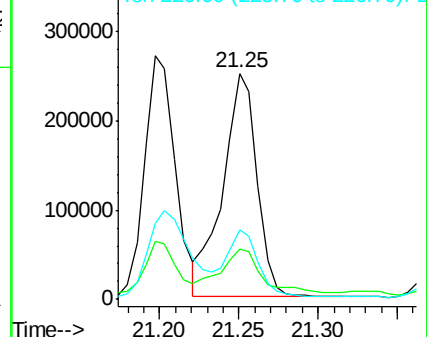
226 30.7 21.4 32.2



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: 7.57 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

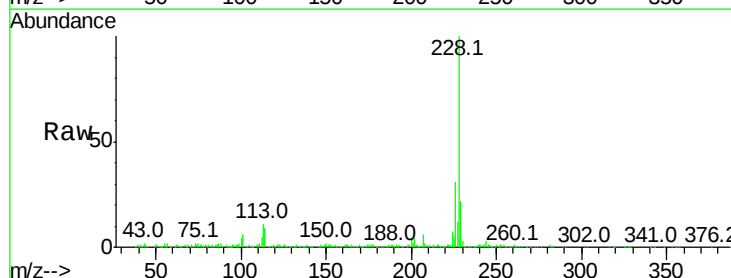
Tgt Ion:228 Resp: 375844

Ion Ratio Lower Upper

228 100

226 30.7 23.3 34.9

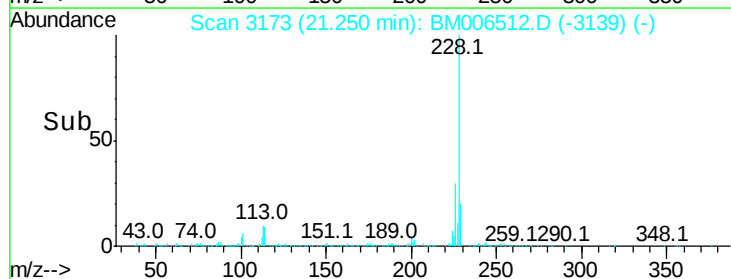
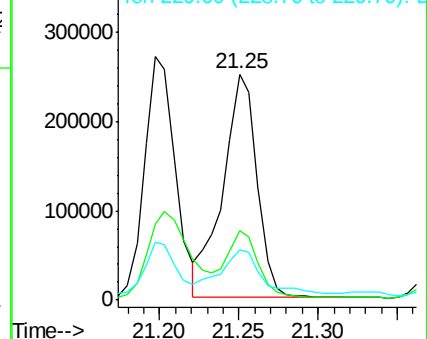
229 22.0 15.8 23.8

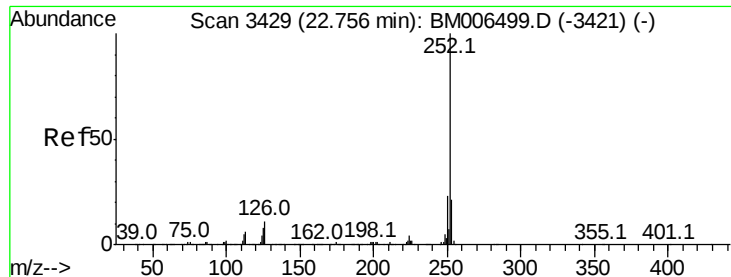


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

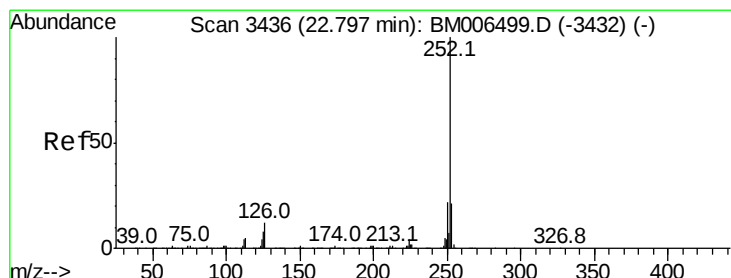
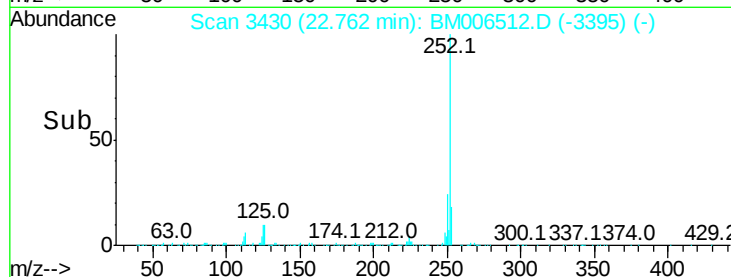
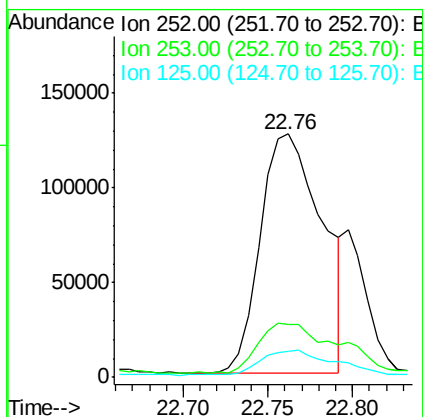
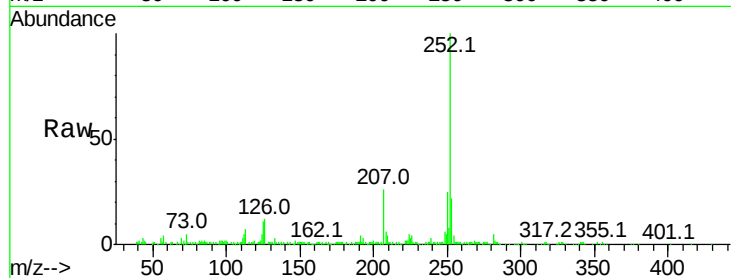




#85
Benzo(b)fluoranthene
Concen: 5.72 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. 0.01 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

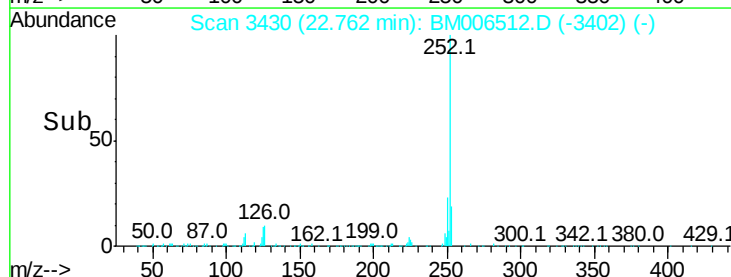
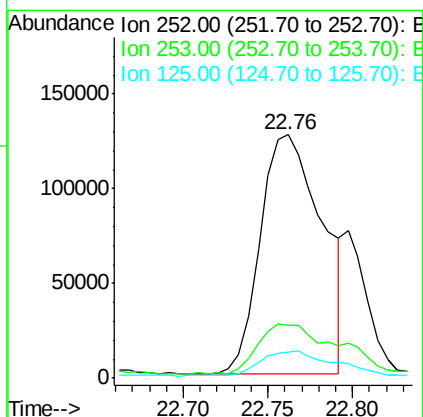
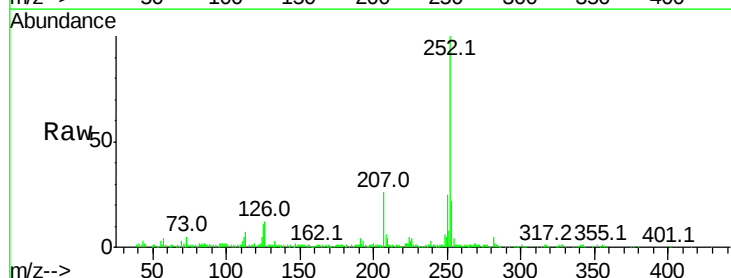
Instrument :
BNA_M
ClientSampleId :

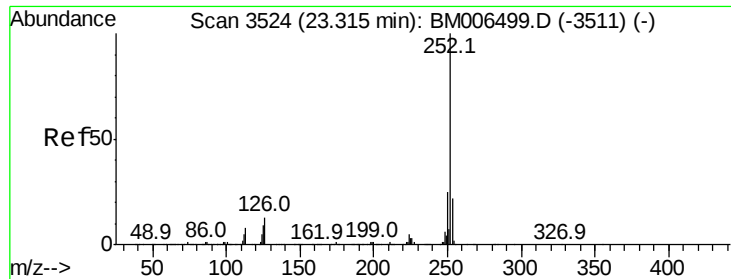
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.6	6.7	10.1#



#86
Benzo(k)fluoranthene
Concen: 6.08 ng/ul
RT: 22.76 min Scan# 3430
Delta R.T. -0.04 min
Lab File: BM006512.D
Acq: 17 Jul 2016 12:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.6	7.0	10.4#





#88

Benzo(a)pyrene

Concen: 6.27 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.01 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

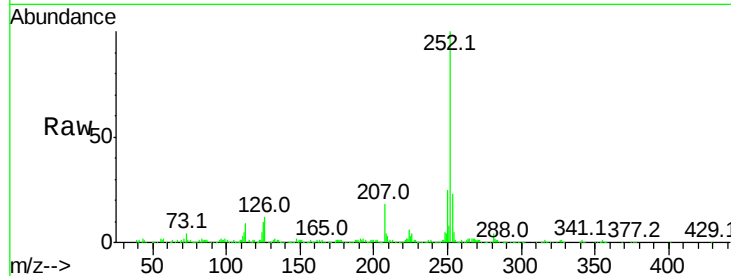
Tot Ion:252 Resp: 337043

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

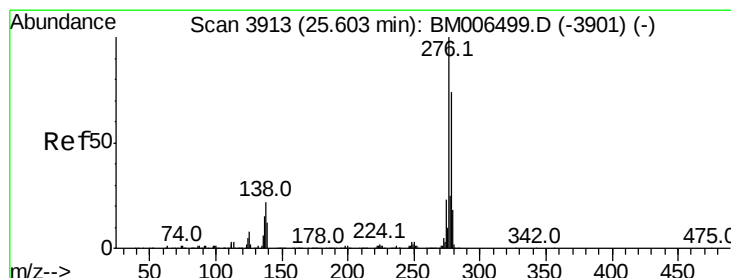
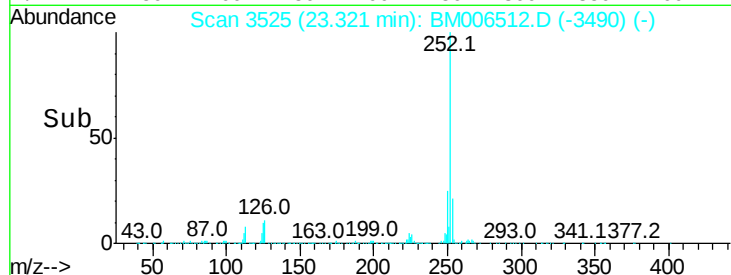
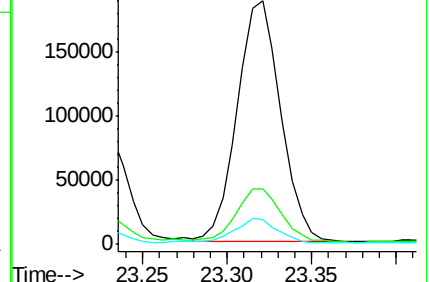
125 10.4 7.6 11.4



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.43 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

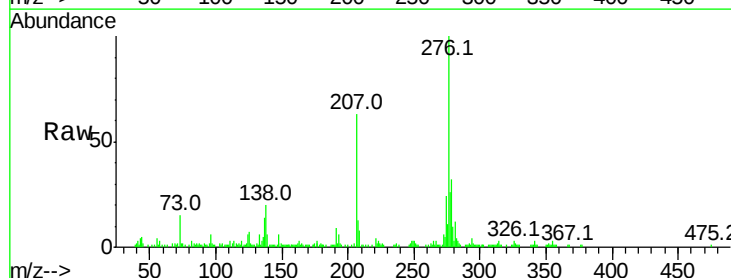
Tgt Ion:276 Resp: 152358

Ion Ratio Lower Upper

276 100

138 20.3 17.8 26.6

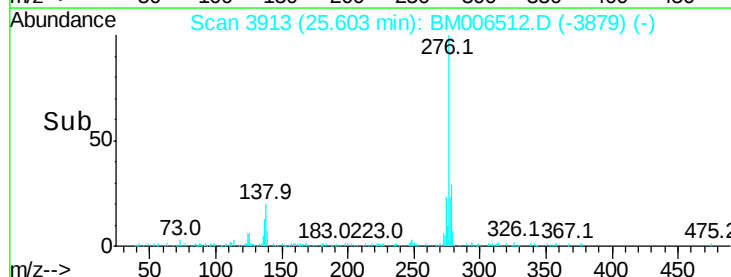
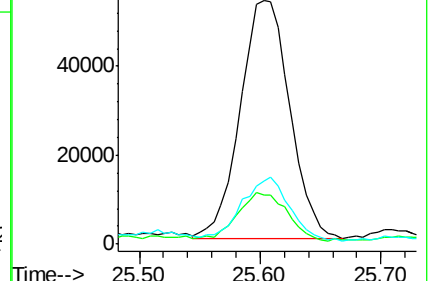
277 26.0 20.1 30.1

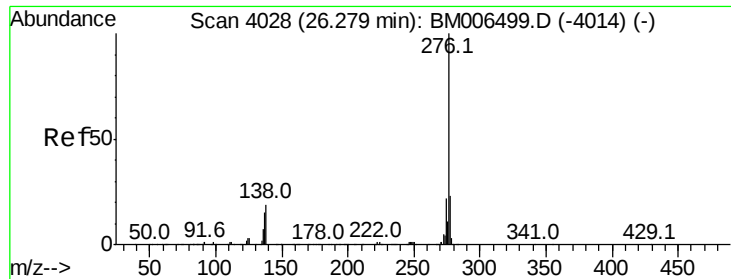


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.46 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BM006512.D

Acq: 17 Jul 2016 12:23

Instrument :

BNA_M

ClientSampleId :

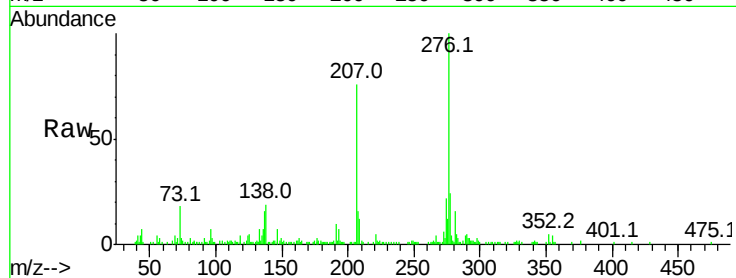
Tot Ion: 276 Resp: 135993

Ion Ratio Lower Upper

276 100

138 19.4 15.0 22.4

277 24.3 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

