

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006511.D
 Acq On : 17 Jul 2016 11:47
 Operator : UM/SJ
 Sample : H3985-16
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 18 07:44:10 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	149656	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	650560	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	363689	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	826308	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	928895	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	999760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	5642	1.59	ng/uL	0.00
5) Phenol-d5	6.79	99	290323	23.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	189177	25.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	235417	23.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	236213	24.24	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	113977	23.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	127802	22.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	228030	21.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	254844	23.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	763973	25.67	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	944605	25.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	119191	23.05	ng/ul	0.00
57) Fluorene-d10	15.26	176	670802	25.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	88767	18.57	ng/ul	0.00
70) Anthracene-d10	17.12	188	1045572	26.77	ng/ul	0.00
76) Pyrene-d10	19.42	212	1194284	28.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1269416	27.77	ng/ul	0.00

Target Compounds

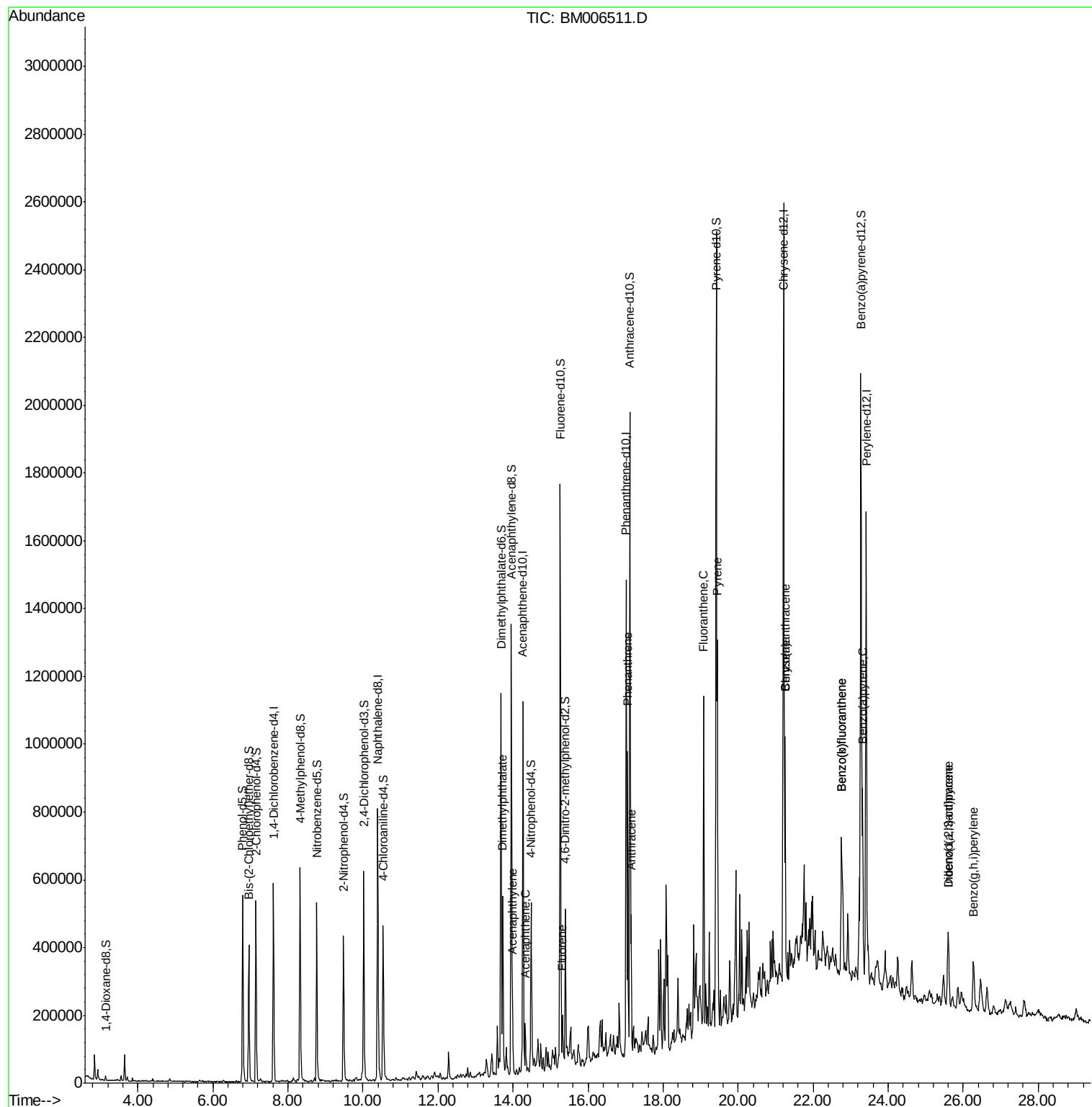
						Ovalue
44) Dimethylphthalate	13.73	163	318059	10.53	ng/ul	99
47) Acenaphthylene	13.99	152	74715	1.95	ng/ul#	94
49) Acenaphthene	14.33	153	61415	2.49	ng/ul	98
58) Fluorene	15.32	166	66339	2.31	ng/ul	96
69) Phenanthrene	17.06	178	525136	11.56	ng/ul	98
71) Anthracene	17.15	178	239053	5.12	ng/ul	98
74) Fluoranthene	19.08	202	553899	10.49	ng/ul	99
77) Pyrene	19.44	202	685587	12.36	ng/ul	99
80) Benzo(a)anthracene	21.25	228	422158	7.45	ng/ul	93
82) Chrysene	21.25	228	422158	7.91	ng/ul	96
85) Benzo(b)fluoranthene	22.76	252	494492	8.28	ng/ul	98
86) Benzo(k)fluoranthene	22.76	252	494492	8.80	ng/ul	98
88) Benzo(a)pyrene	23.32	252	395489	6.91	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.60	276	192609	2.89	ng/ul	96
90) Dibenzo(a,h)anthracene	25.60	278	65430	1.18	ng/ul#	88
91) Benzo(g,h,i)perylene	26.28	276	173968	2.96	ng/ul	95

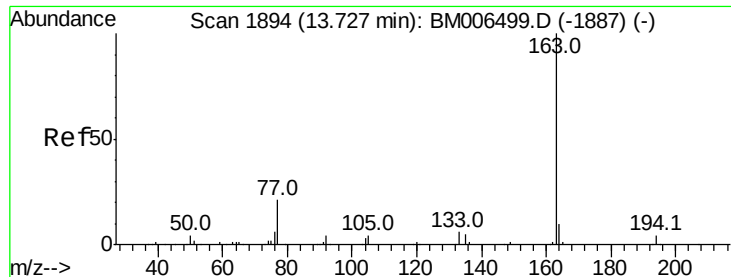
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#44

Dimethylphthalate

Concen: 10.53 ng/ul

RT: 13.73 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampled :

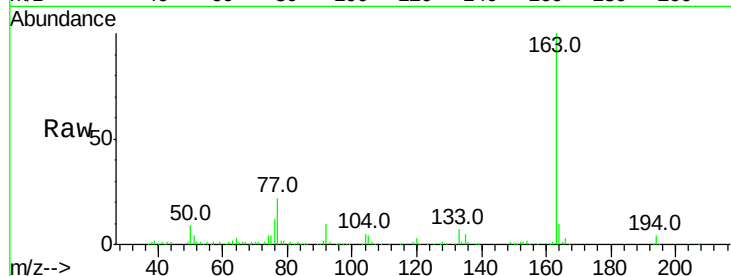
Tot Ion:163 Resp: 318059

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

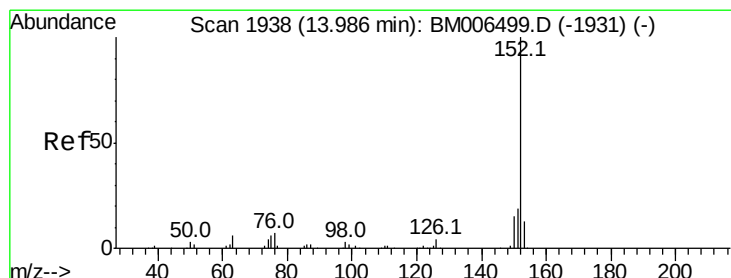
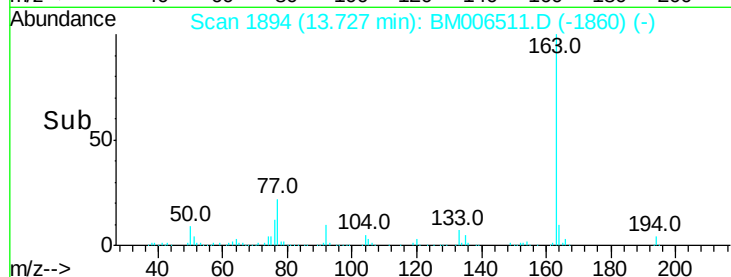
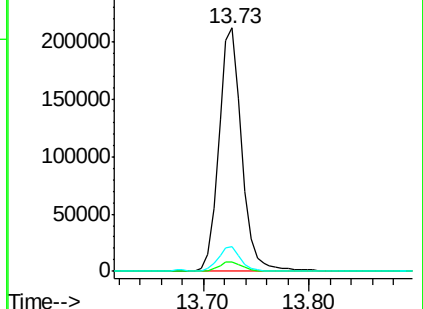
164 10.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.95 ng/ul

RT: 13.99 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

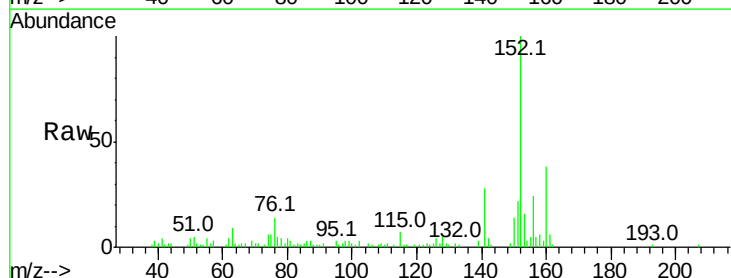
Tgt Ion:152 Resp: 74715

Ion Ratio Lower Upper

152 100

151 21.8 15.6 23.4

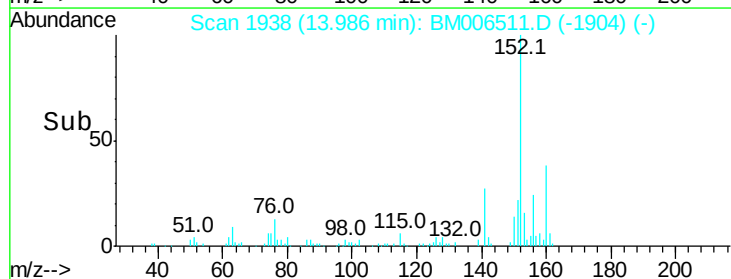
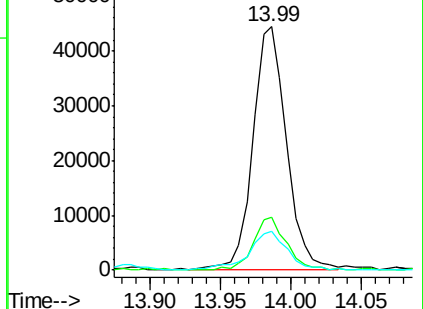
153 16.0 10.3 15.5#

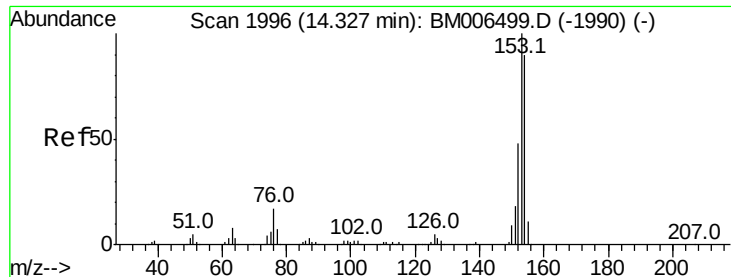


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.49 ng/ul

RT: 14.33 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampleId :

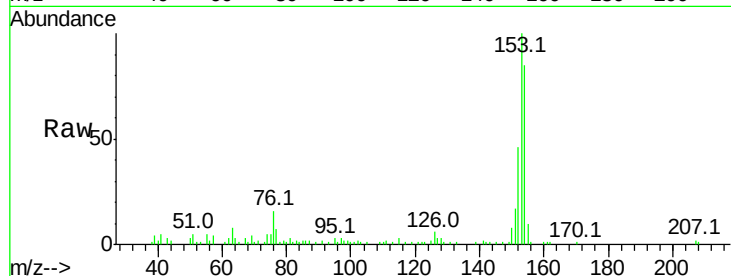
Tot Ion:153 Resp: 61415

Ion Ratio Lower Upper

153 100

152 46.1 37.7 56.5

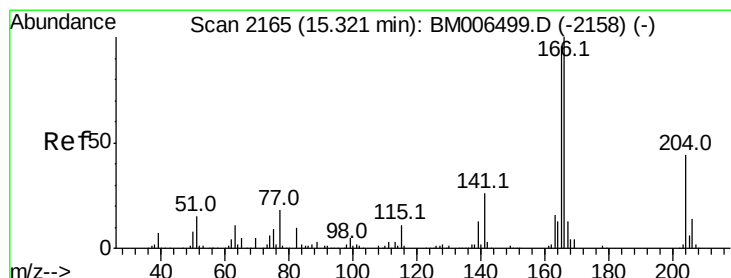
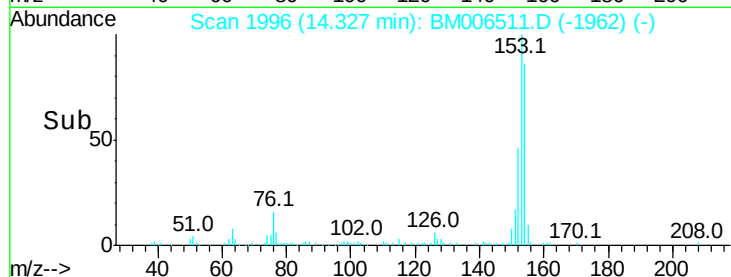
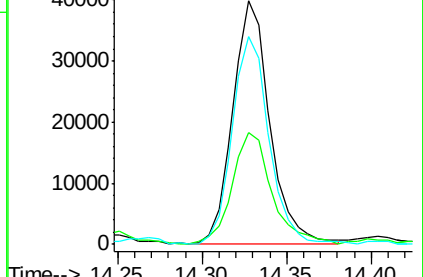
154 85.4 70.0 105.0



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: 2.31 ng/ul

RT: 15.32 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

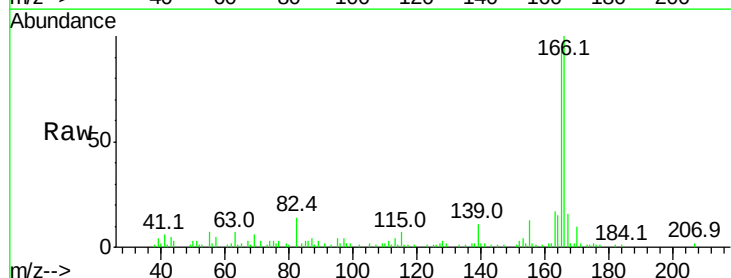
Tgt Ion:166 Resp: 66339

Ion Ratio Lower Upper

166 100

165 92.7 77.5 116.3

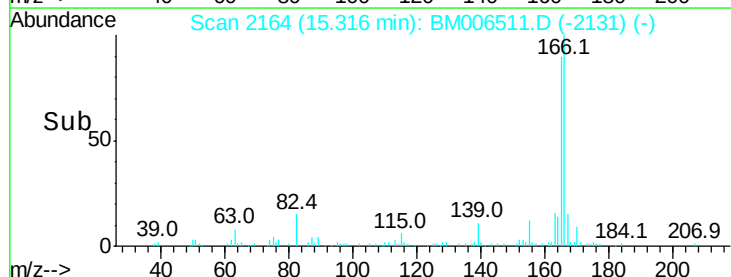
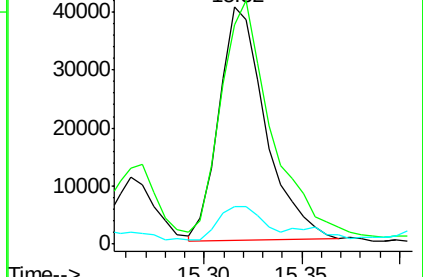
167 15.8 10.8 16.2

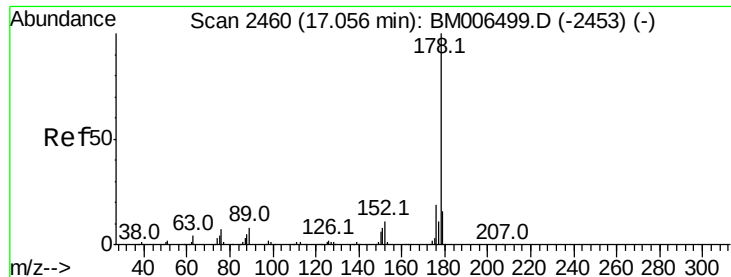


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 11.56 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampleId :

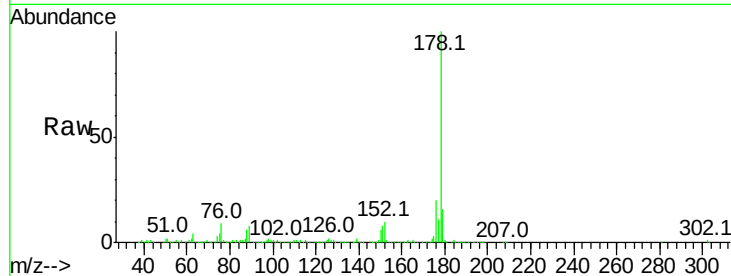
Tot Ion:178 Resp: 525136

Ion Ratio Lower Upper

178 100

179 15.7 11.9 17.9

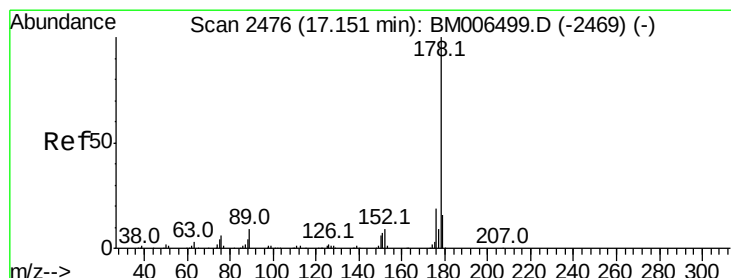
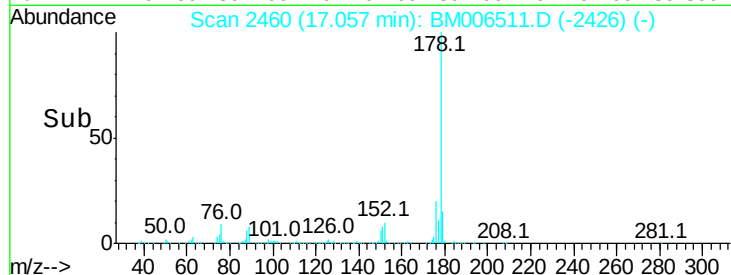
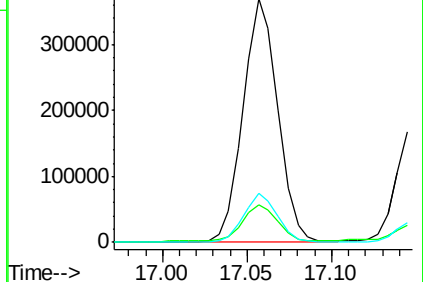
176 20.0 15.2 22.8



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: 5.12 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

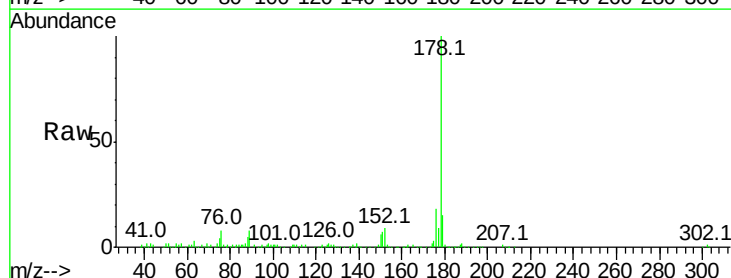
Tgt Ion:178 Resp: 239053

Ion Ratio Lower Upper

178 100

179 14.6 12.0 18.0

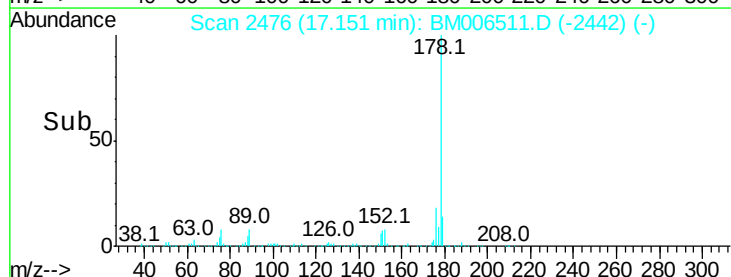
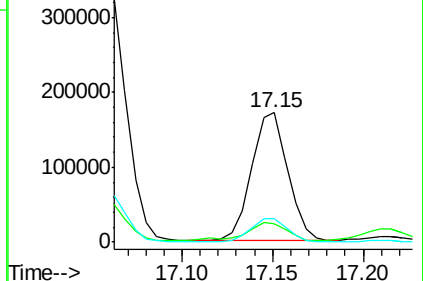
176 17.9 15.0 22.6

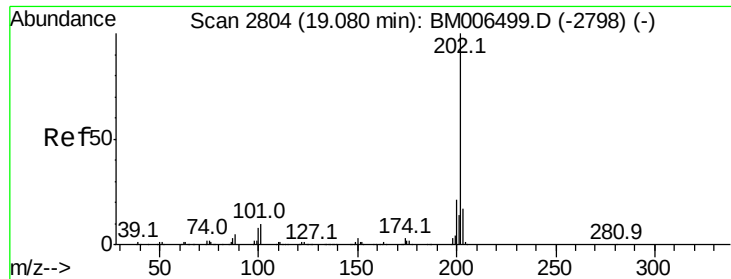


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

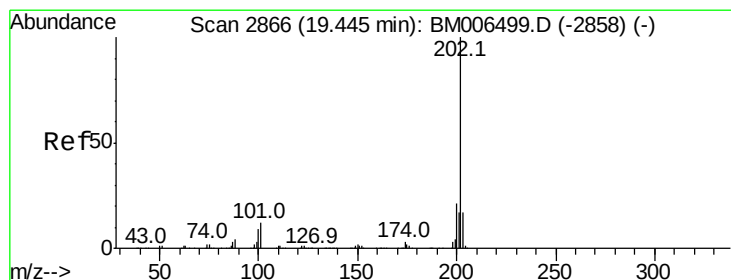
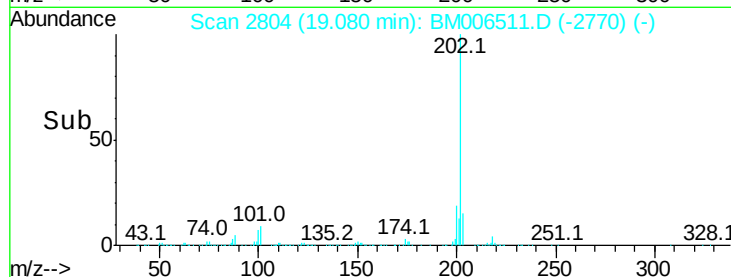
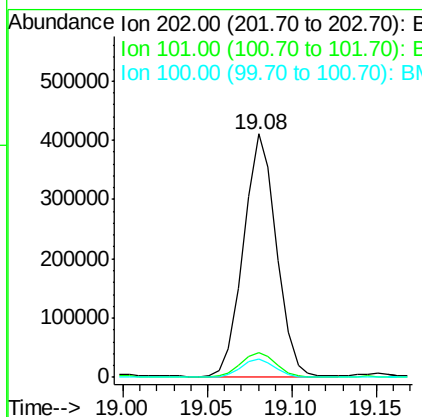
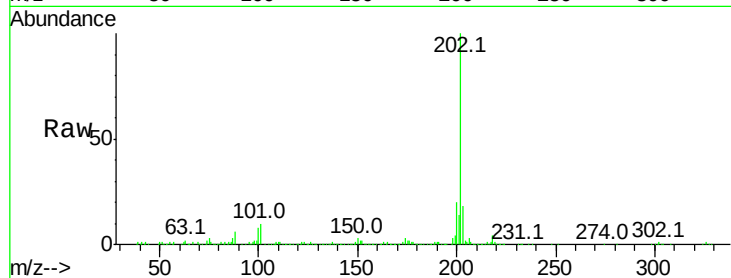




#74
 Fluoranthene
 Concen: 10.49 ng/ul
 RT: 19.08 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM006511.D
 Acq: 17 Jul 2016 11:47

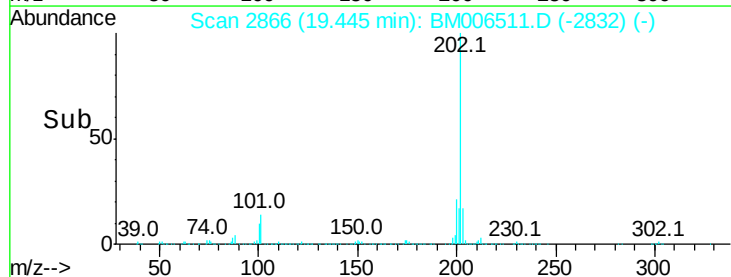
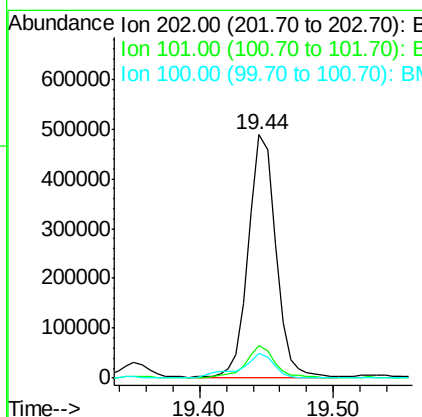
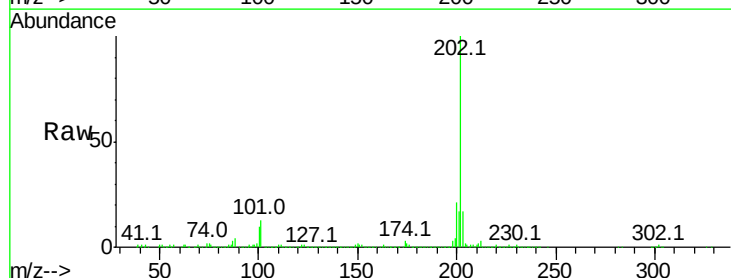
Instrument :
 BNA_M
 ClientSampleId :

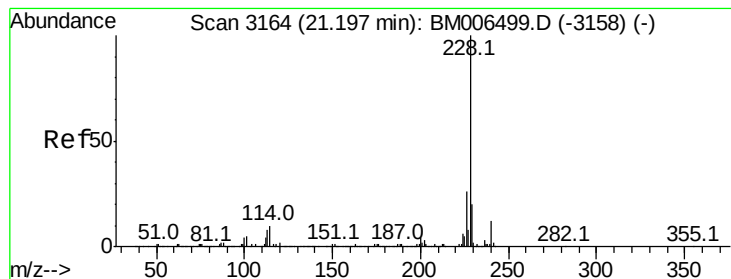
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.6	12.8
100	7.7	6.4	9.6



#77
 Pyrene
 Concen: 12.36 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BM006511.D
 Acq: 17 Jul 2016 11:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.0	15.0
100	10.1	7.9	11.9





#80

Benzo(a)anthracene

Concen: 7.45 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.05 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampleId :

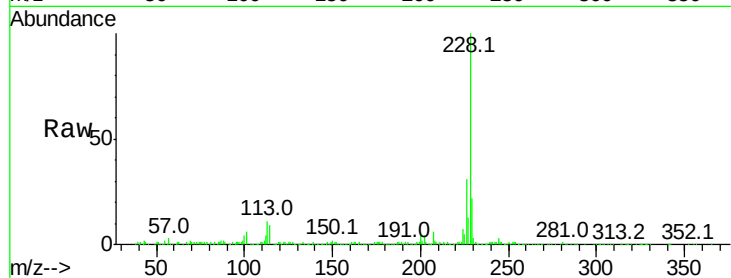
Tot Ion:228 Resp: 422158

Ion Ratio Lower Upper

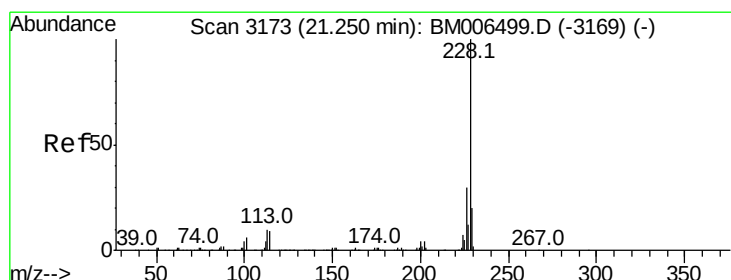
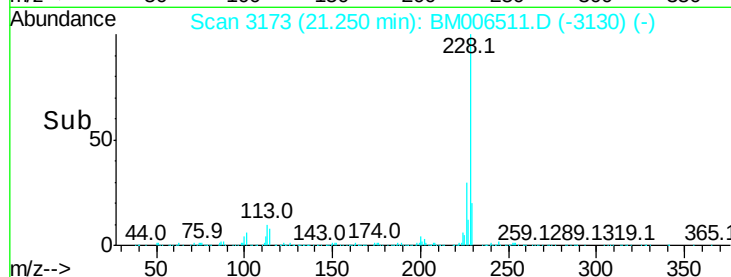
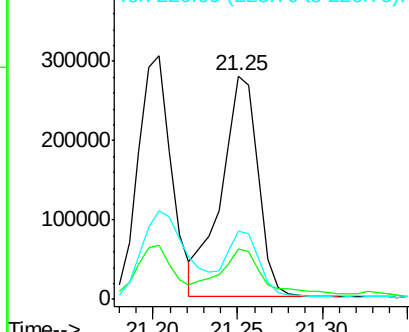
228 100

229 22.4 15.6 23.4

226 30.8 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: 7.91 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

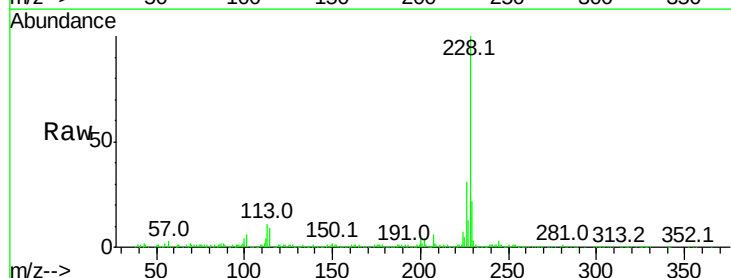
Tgt Ion:228 Resp: 422158

Ion Ratio Lower Upper

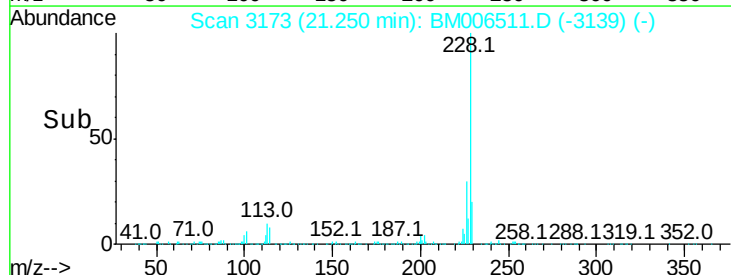
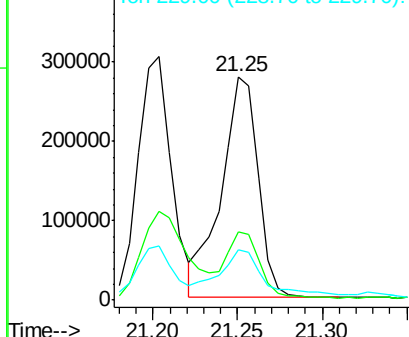
228 100

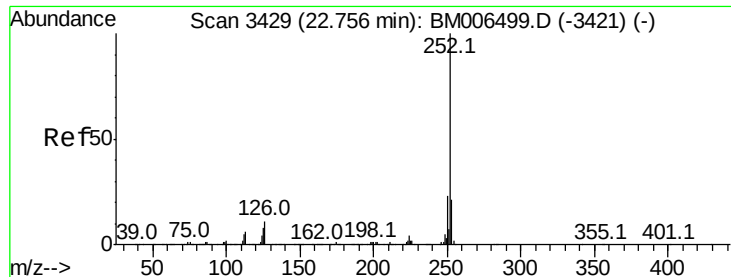
226 30.8 23.3 34.9

229 22.4 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: 8.28 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampleId :

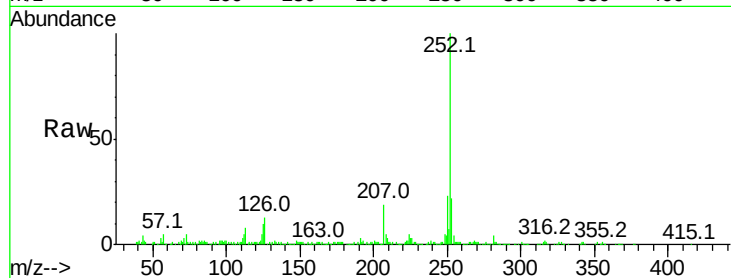
Tot Ion:252 Resp: 494492

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

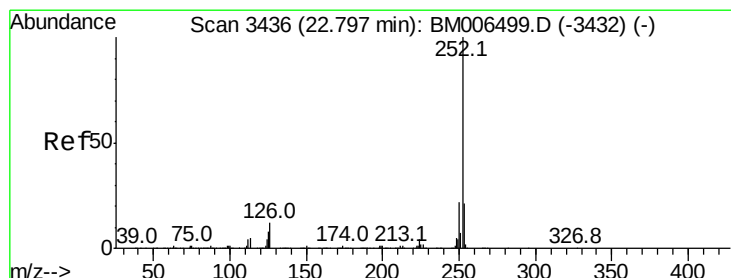
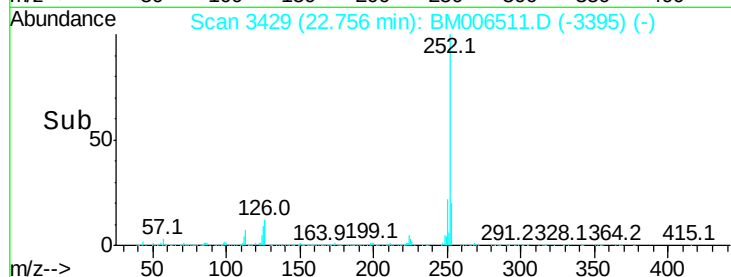
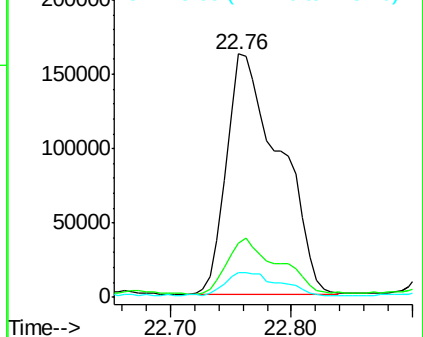
125 10.0 6.7 10.1



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



#86

Benzo(k)fluoranthene

Concen: 8.80 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. -0.04 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

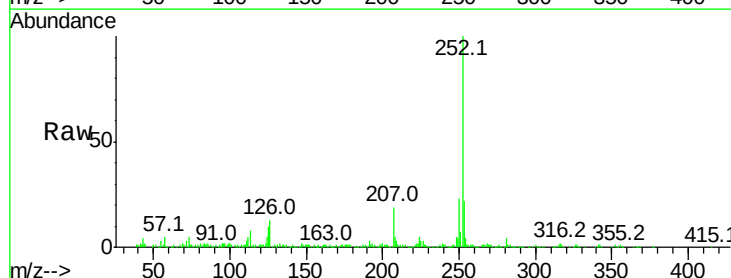
Tgt Ion:252 Resp: 494492

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

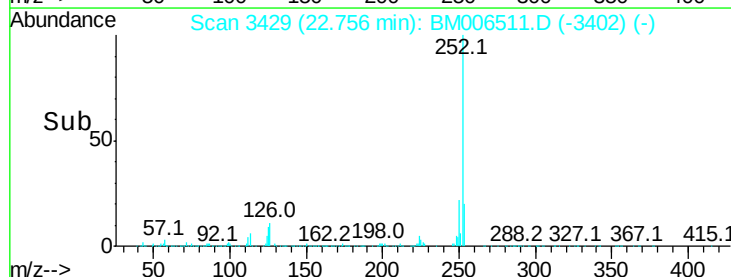
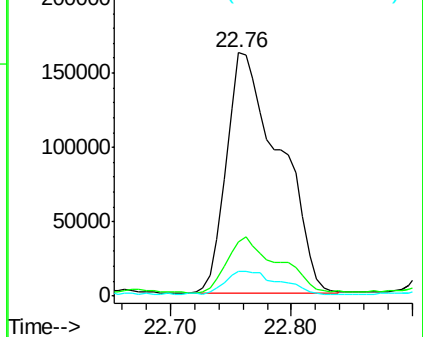
125 10.0 7.0 10.4

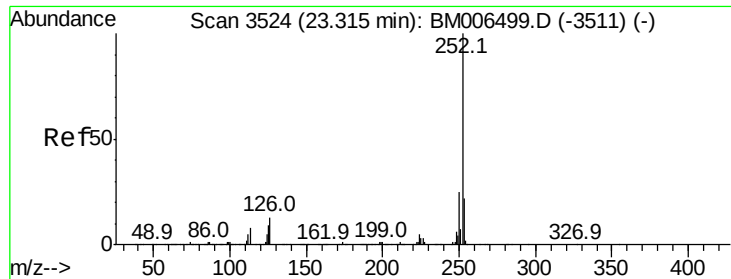


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 6.91 ng/ul

RT: 23.32 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampled :

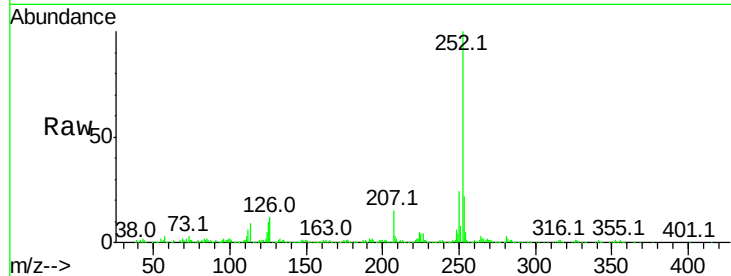
Tot Ion:252 Resp: 395489

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

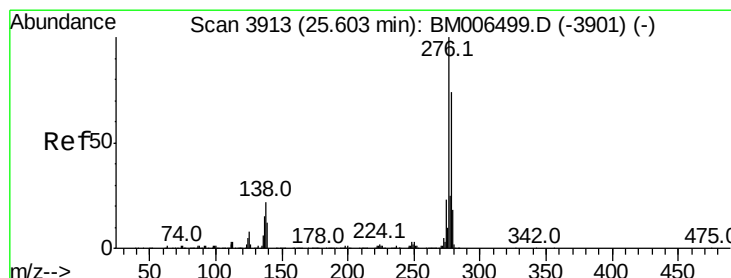
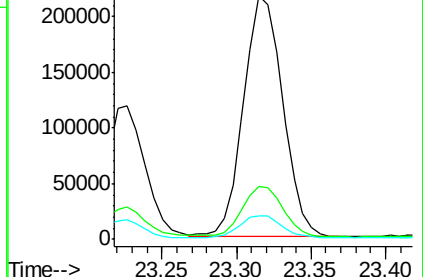
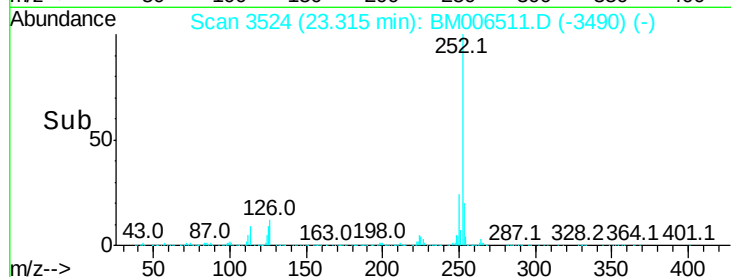
125 9.9 7.6 11.4



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.89 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

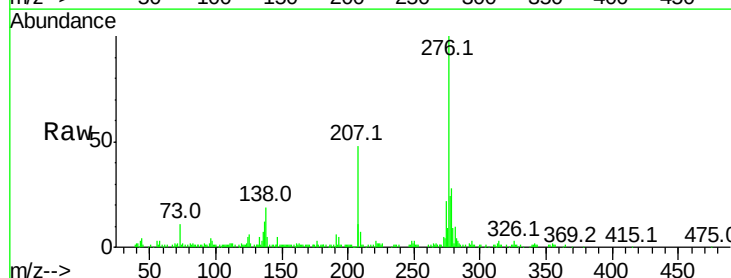
Tgt Ion:276 Resp: 192609

Ion Ratio Lower Upper

276 100

138 19.4 17.8 26.6

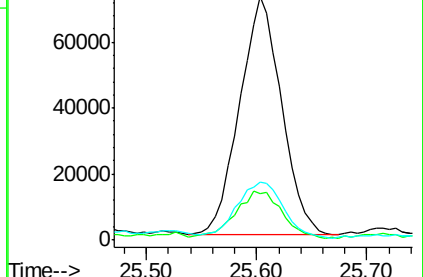
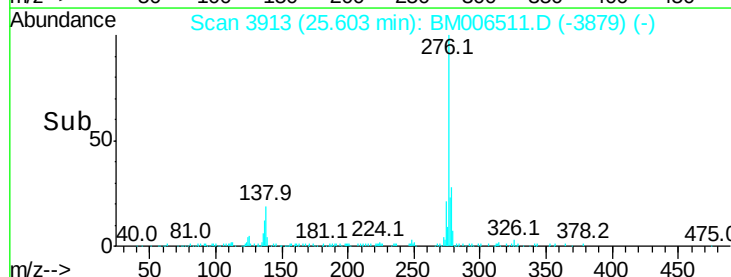
277 23.7 20.1 30.1

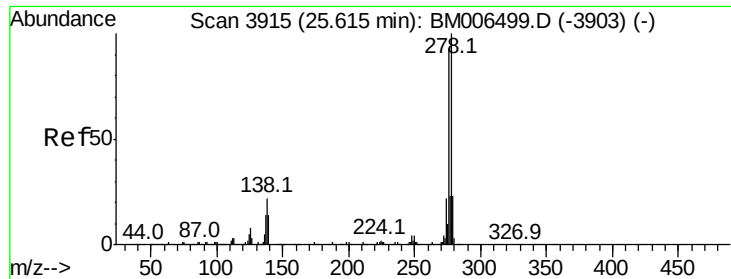


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.60 min Scan# 3913

Delta R.T. -0.01 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Instrument :

BNA_M

ClientSampled :

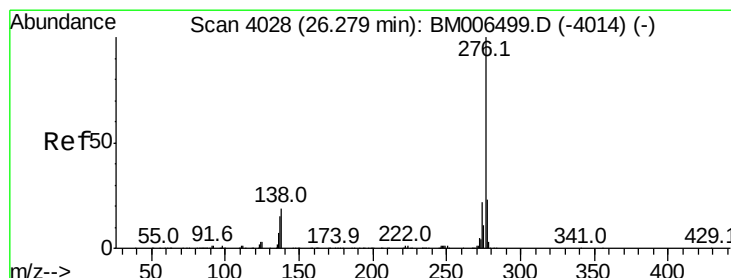
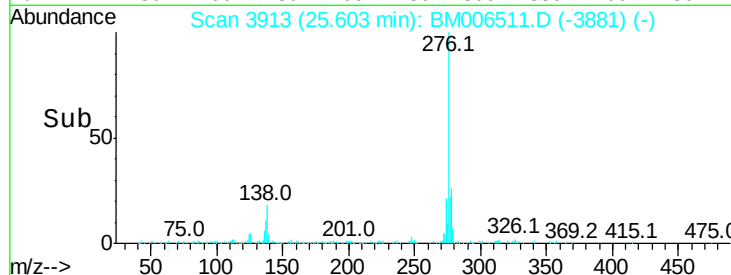
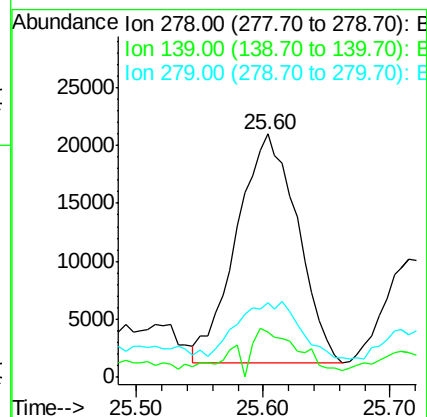
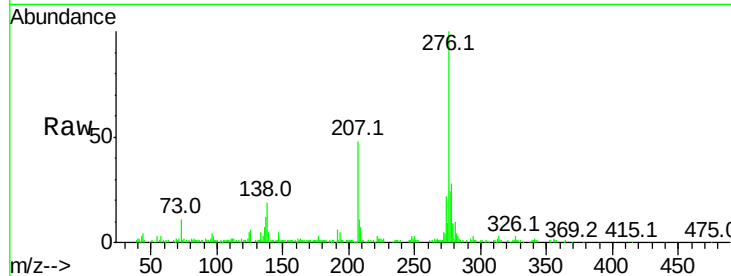
Tot Ion:278 Resp: 65430

Ion Ratio Lower Upper

278 100

139 18.5 11.7 17.5#

279 30.7 19.2 28.8#



#91

Benzo(g,h,i)perylene

Concen: 2.96 ng/ul

RT: 26.28 min Scan# 4028

Delta R.T. 0.00 min

Lab File: BM006511.D

Acq: 17 Jul 2016 11:47

Tgt Ion:276 Resp: 173968

Ion Ratio Lower Upper

276 100

138 22.2 15.0 22.4

277 24.9 19.0 28.4

