

Data Path : Z:\HPCHEM1\BNA M\DATA\BM071616\
 Data File : BM006510.D
 Acq On : 17 Jul 2016 11:10
 Operator : UM/SJ
 Sample : H3985-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 18 07:44:00 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	136586	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	595703	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	333977	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	767976	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	852893	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	937627	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	5492	1.69	ng/uL	0.00
5) Phenol-d5	6.79	99	281724	25.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	178958	26.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	227902	25.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	237520	26.71	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	112382	24.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	121117	23.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	222061	23.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	280993	27.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	719739	26.33	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	912476	27.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	59414	12.51	ng/ul	0.00
57) Fluorene-d10	15.26	176	644489	26.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	34437	7.75	ng/ul	0.00
70) Anthracene-d10	17.12	188	1010647	27.84	ng/ul	0.00
76) Pyrene-d10	19.42	212	1114732	28.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	1205668	28.12	ng/ul	0.00

Target Compounds

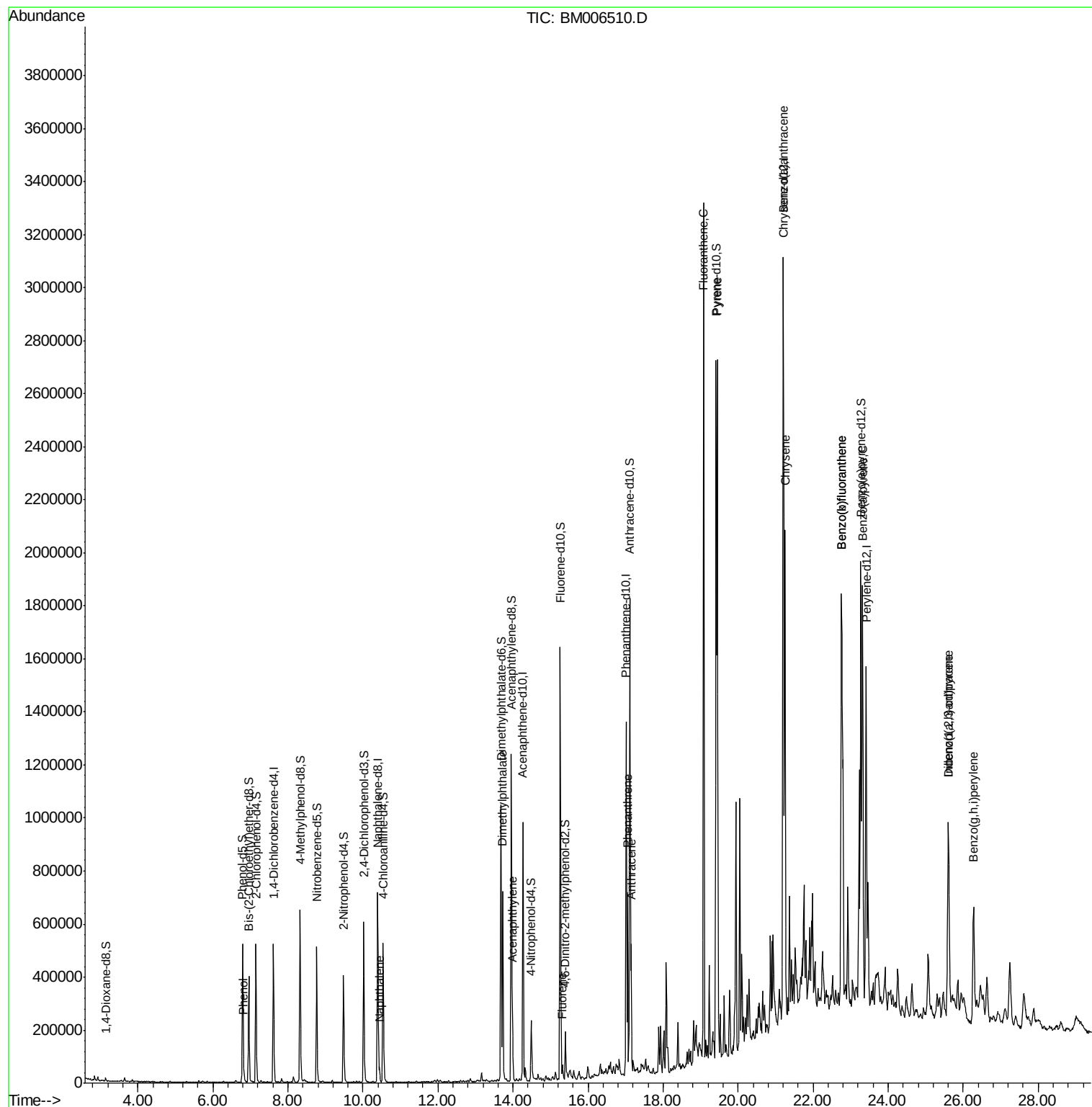
						Ovalue
6) Phenol	6.82	94	12725	1.08	ng/ul	96
28) Naphthalene	10.44	128	43372	1.43	ng/ul	99
44) Dimethylphthalate	13.73	163	455474	16.42	ng/ul	99
47) Acenaphthylene	13.99	152	139062	3.95	ng/ul	99
58) Fluorene	15.32	166	27865	1.06	ng/ul	98
69) Phenanthrene	17.06	178	398889	9.45	ng/ul	99
71) Anthracene	17.15	178	296357	6.82	ng/ul	99
74) Fluoranthene	19.08	202	1961812	39.98	ng/ul	98
77) Pyrene	19.44	202	1621949	31.85	ng/ul	99
80) Benzo(a)anthracene	21.20	228	1233181	23.69	ng/ul	96
82) Chrysene	21.25	228	1046000	21.34	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	1443964	25.77	ng/ul	99
86) Benzo(k)fluoranthene	22.76	252	1443964	27.39	ng/ul	99
88) Benzo(a)pyrene	23.32	252	1102500	20.54	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.61	276	644022	10.31	ng/ul	95
90) Dibenzo(a,h)anthracene	25.61	278	175352	3.38	ng/ul#	83
91) Benzo(g,h,i)perylene	26.28	276	517352	9.37	ng/ul	99

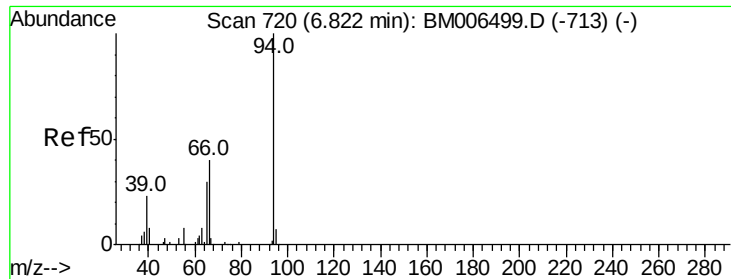
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.08 ng/ul

RT: 6.82 min Scan# 720

Delta R.T. 0.00 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

Instrument :

BNA_M

ClientSampled :

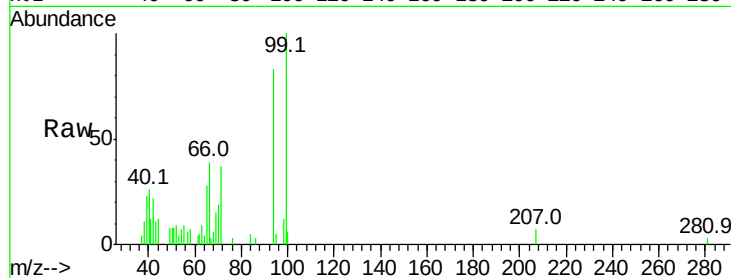
Tot Ion: 94 Resp: 12725

Ion Ratio Lower Upper

94 100

65 34.3 25.8 38.8

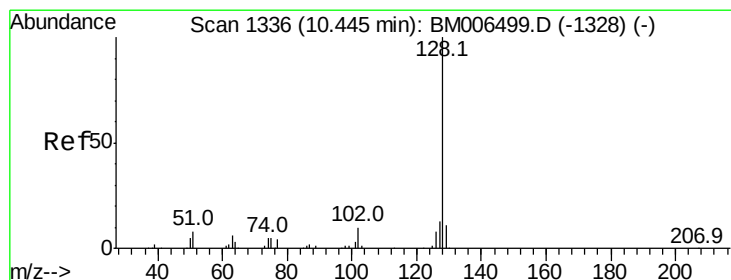
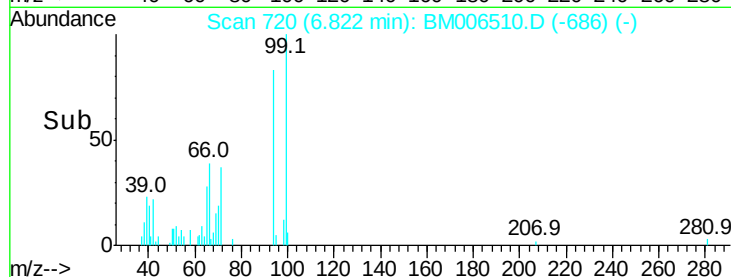
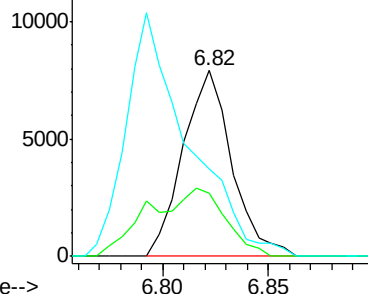
66 46.9 35.7 53.5



Abundance Ion 94.00 (93.70 to 94.70): BM006499.D (-713) (-)

Ion 65.00 (64.70 to 65.70): BM006499.D (-713) (-)

Ion 66.00 (65.70 to 66.70): BM006499.D (-713) (-)



#28

Naphthalene

Concen: 1.43 ng/ul

RT: 10.44 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

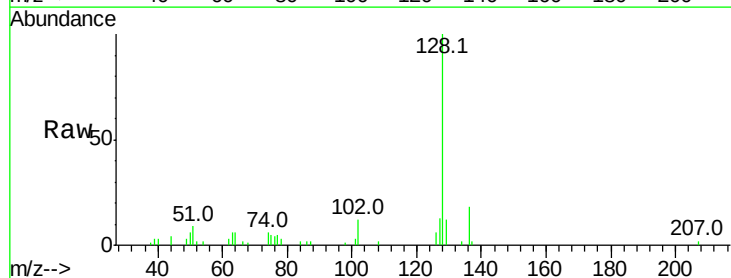
Tgt Ion: 128 Resp: 43372

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

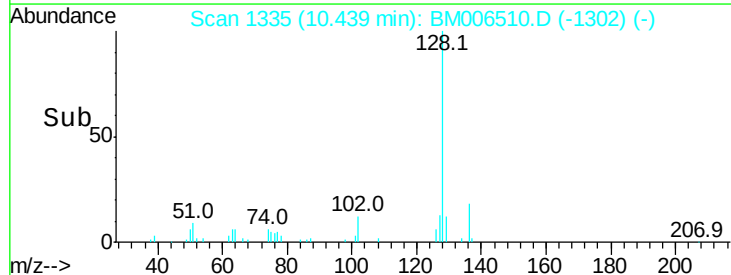
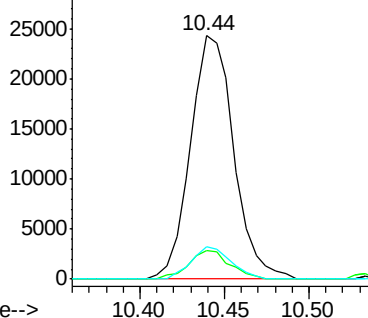
127 13.3 10.9 16.3

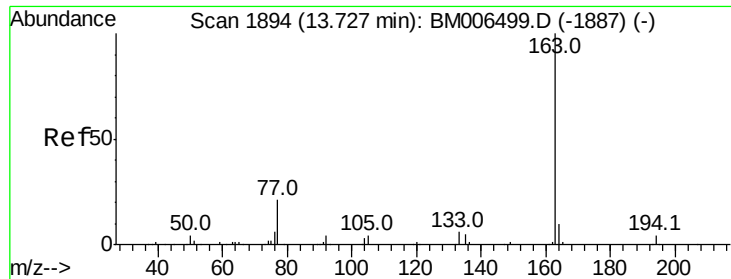


Abundance Ion 128.00 (127.70 to 128.70): BM006499.D (-1328) (-)

Ion 129.00 (128.70 to 129.70): BM006499.D (-1328) (-)

Ion 127.00 (126.70 to 127.70): BM006499.D (-1328) (-)





#44

Dimethylphthalate

Concen: 16.42 ng/ul

RT: 13.73 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

Instrument :

BNA_M

ClientSampleId :

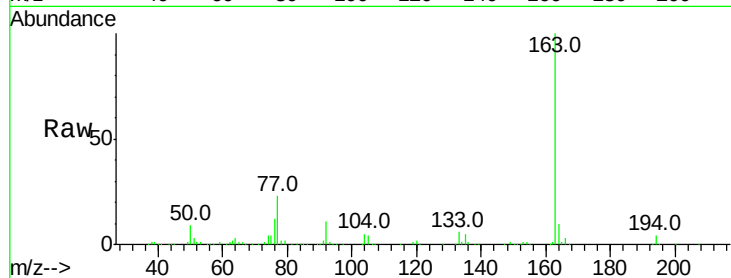
Tot Ion:163 Resp: 455474

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

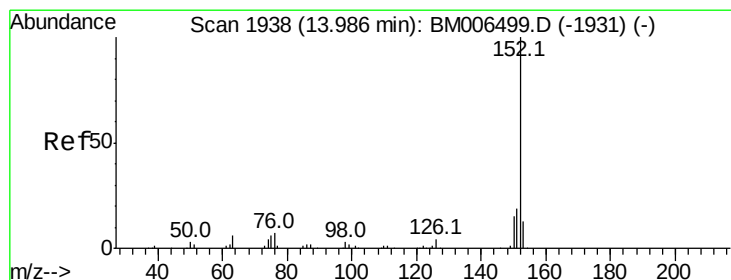
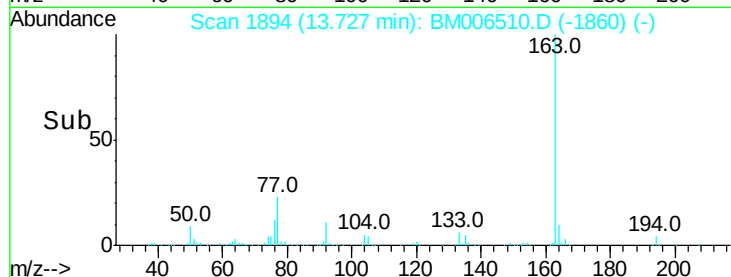
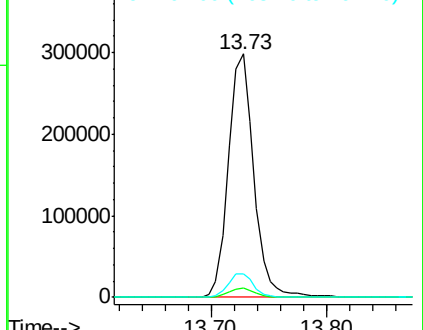
164 9.5 7.8 11.8



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: 3.95 ng/ul

RT: 13.99 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

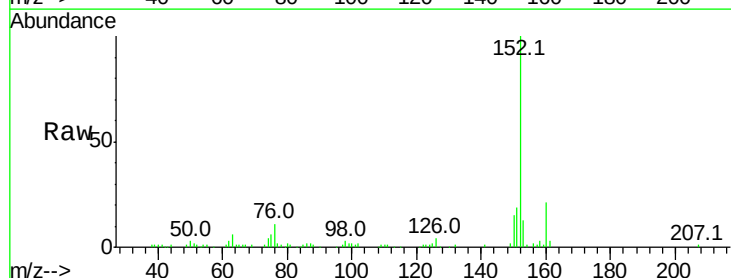
Tgt Ion:152 Resp: 139062

Ion Ratio Lower Upper

152 100

151 18.9 15.6 23.4

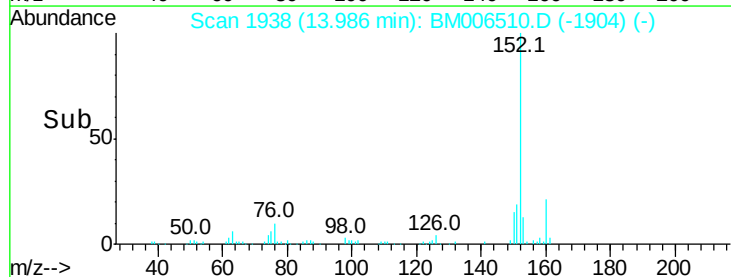
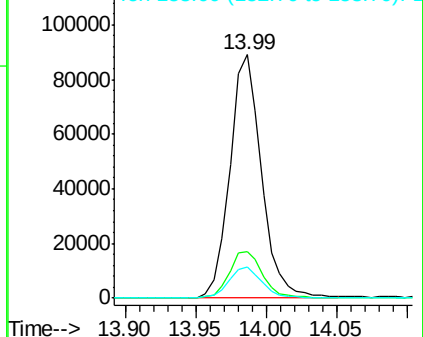
153 12.8 10.3 15.5

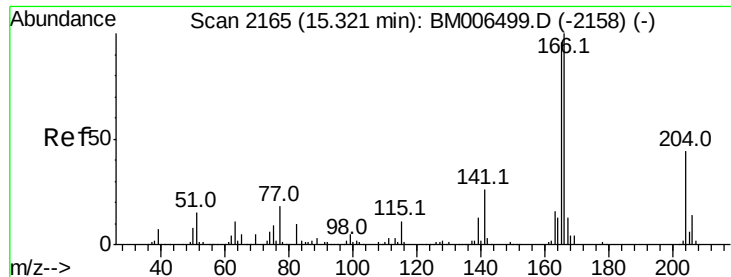


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

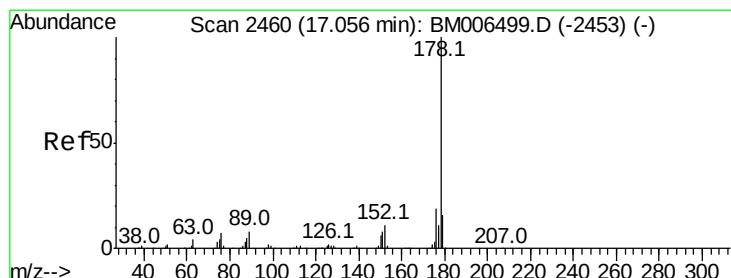
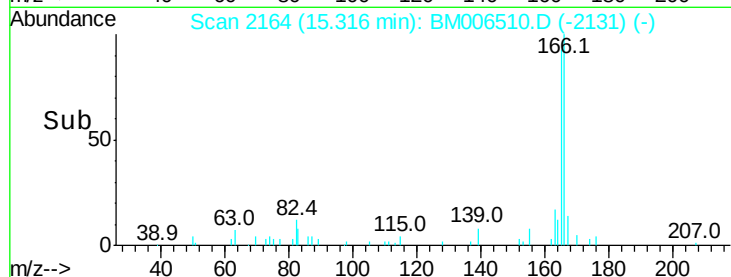
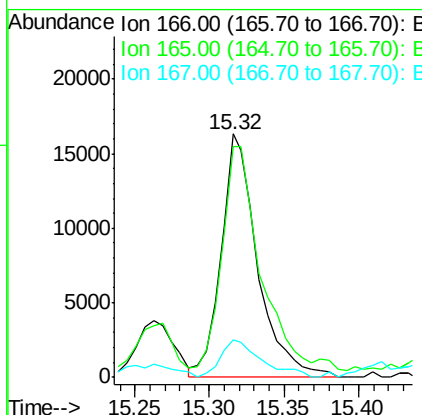
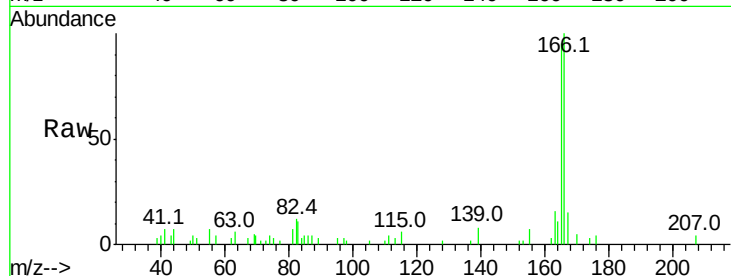




#58
 Fluorene
 Concen: 1.06 ng/ul
 RT: 15.32 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: BM006510.D
 Acq: 17 Jul 2016 11:10

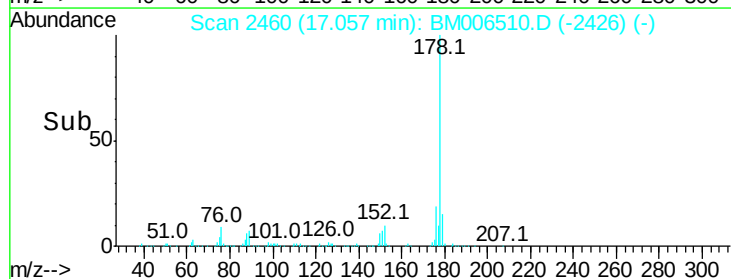
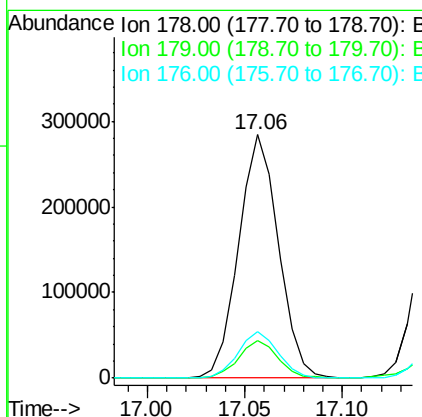
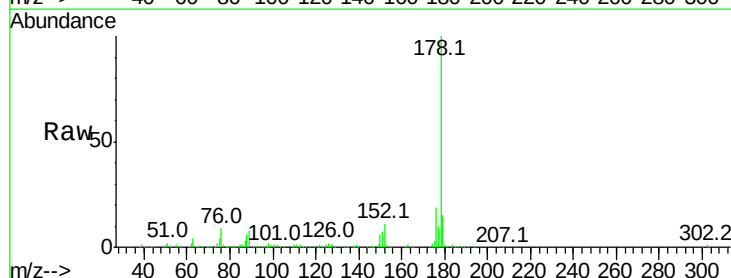
Instrument :
 BNA_M
 ClientSampleId :

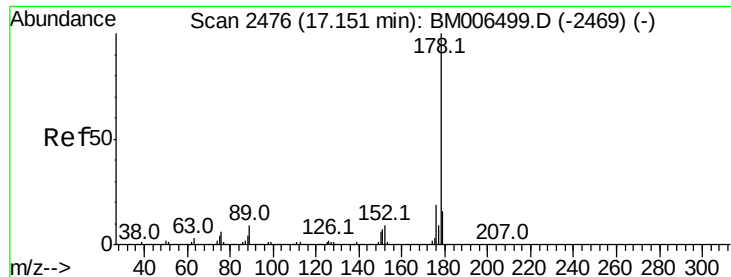
Tot Ion:166 Resp: 27865
 Ion Ratio Lower Upper
 166 100
 165 94.8 77.5 116.3
 167 15.3 10.8 16.2



#69
 Phenanthrene
 Concen: 9.45 ng/ul
 RT: 17.06 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM006510.D
 Acq: 17 Jul 2016 11:10

Tgt Ion:178 Resp: 398889
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.9 17.9
 176 19.2 15.2 22.8

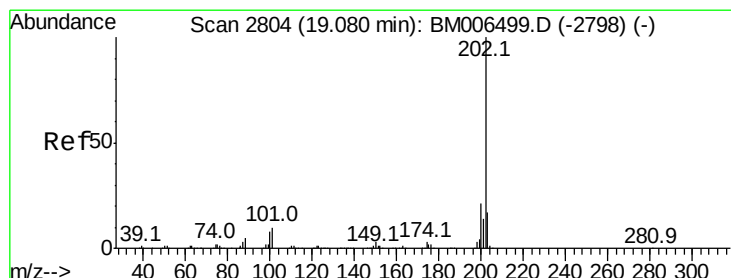
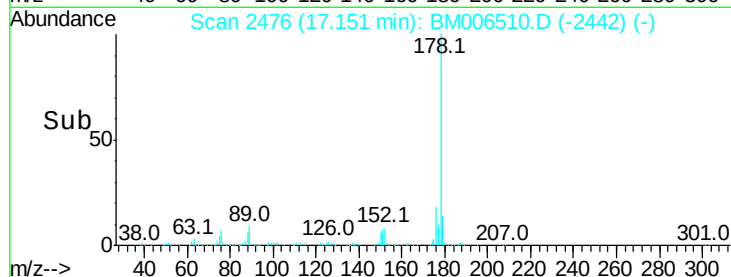
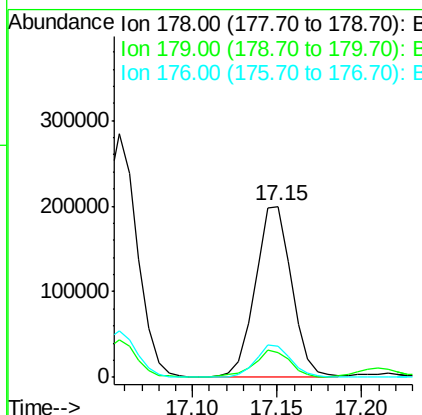
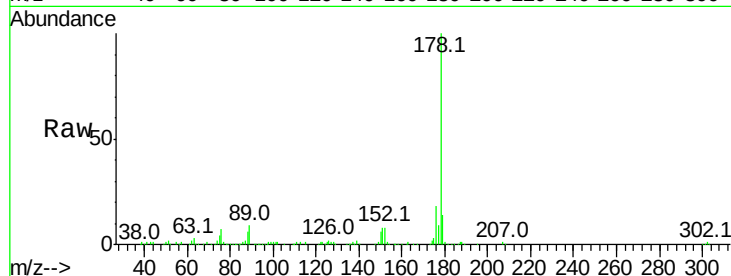




#71
 Anthracene
 Concen: 6.82 ng/ul
 RT: 17.15 min Scan# 2476
 Delta R.T. 0.00 min
 Lab File: BM006510.D
 Acq: 17 Jul 2016 11:10

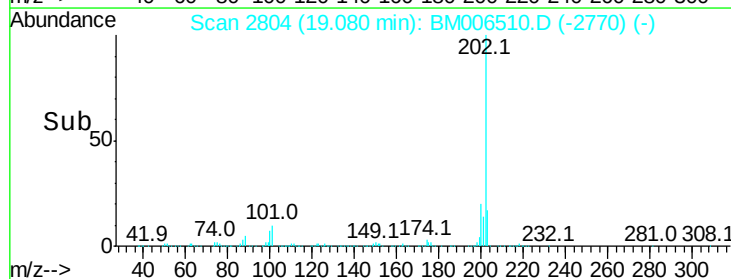
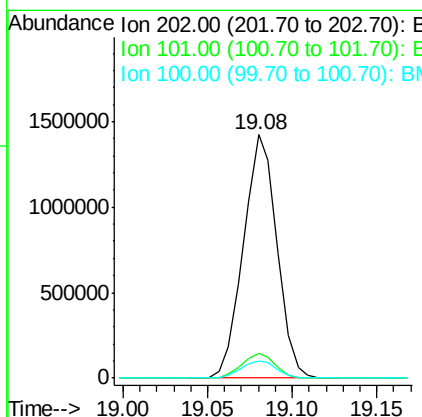
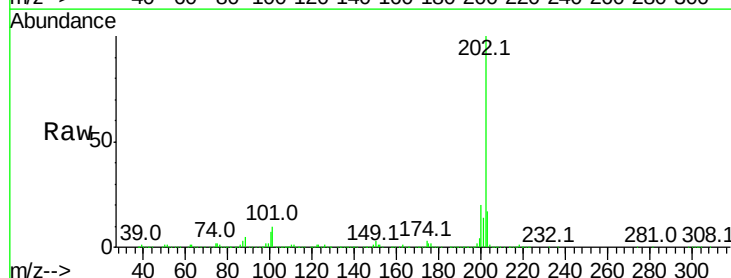
Instrument :
 BNA_M
 ClientSampleId :

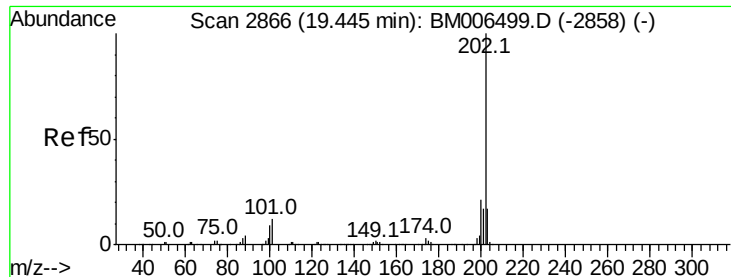
Tot Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.0	18.0
176	18.4	15.0	22.6



#74
 Fluoranthene
 Concen: 39.98 ng/ul
 RT: 19.08 min Scan# 2804
 Delta R.T. 0.00 min
 Lab File: BM006510.D
 Acq: 17 Jul 2016 11:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.6	12.8
100	7.2	6.4	9.6





#77

Pvrene

Concen: 31.85 ng/ul

RT: 19.44 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

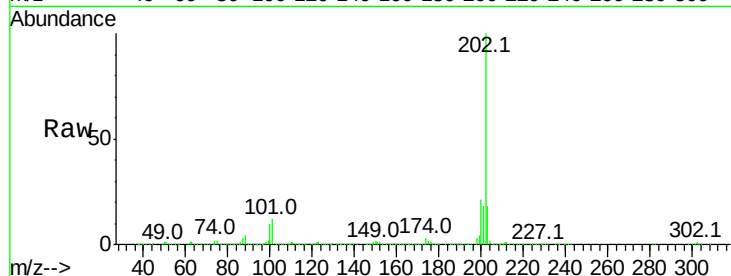
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 1621949

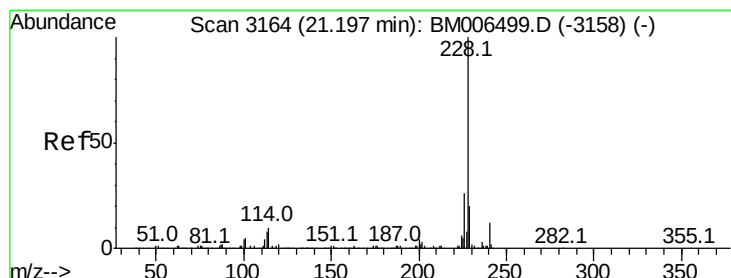
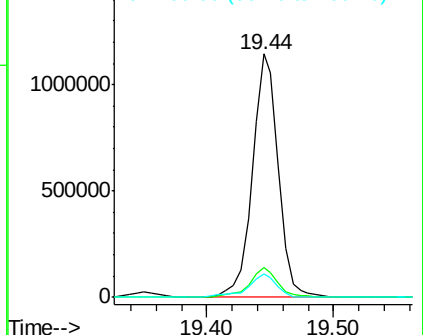
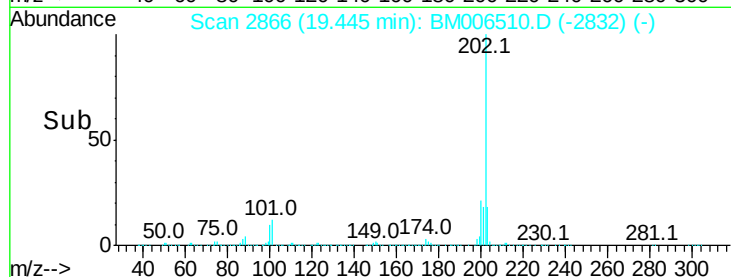
Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.0	15.0
100	9.7	7.9	11.9



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: 23.69 ng/ul

RT: 21.20 min Scan# 3164

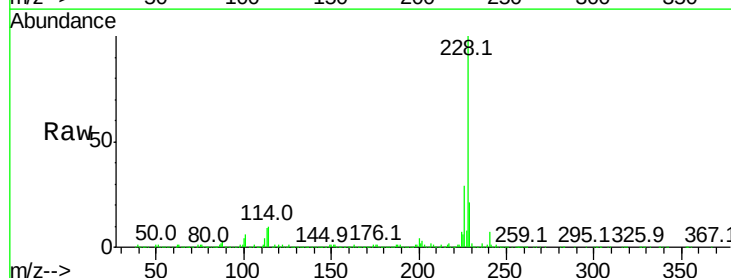
Delta R.T. 0.00 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

Tgt Ion:228 Resp: 1233181

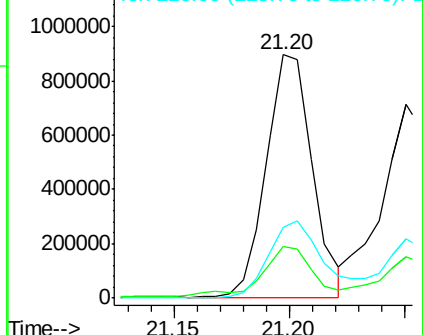
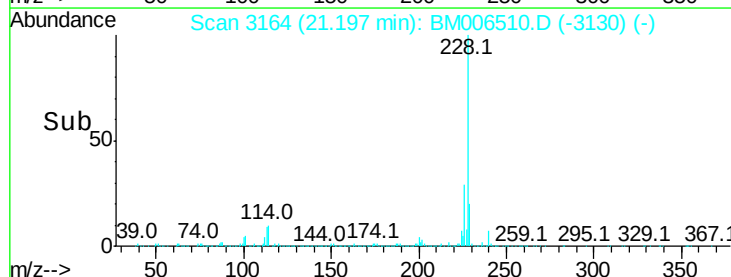
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.6	23.4
226	29.3	21.4	32.2

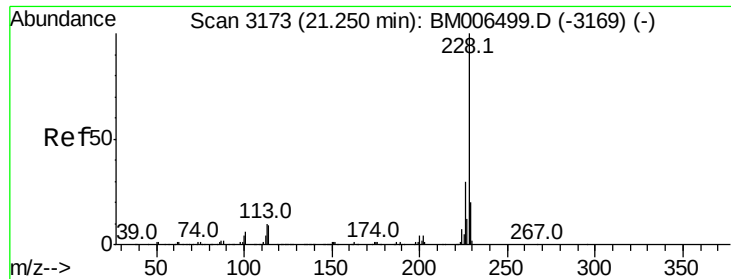


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

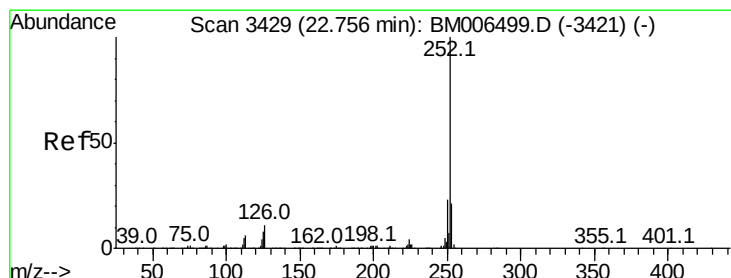
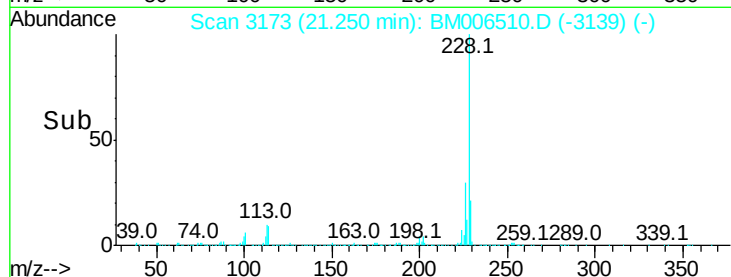
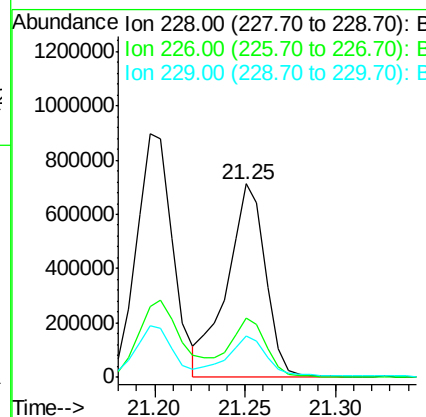
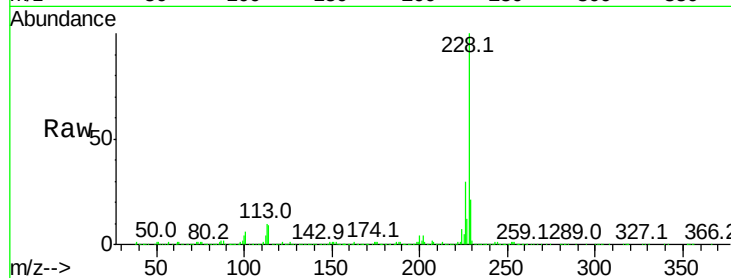




#82
Chrysene
Concen: 21.34 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006510.D
Acq: 17 Jul 2016 11:10

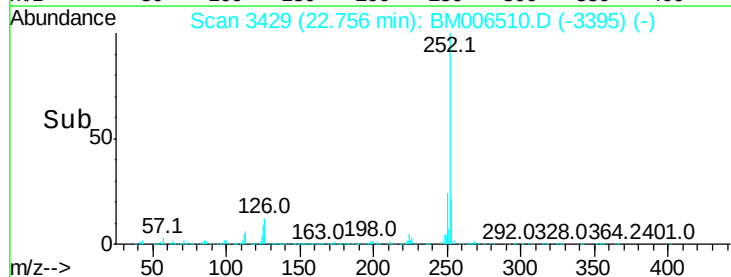
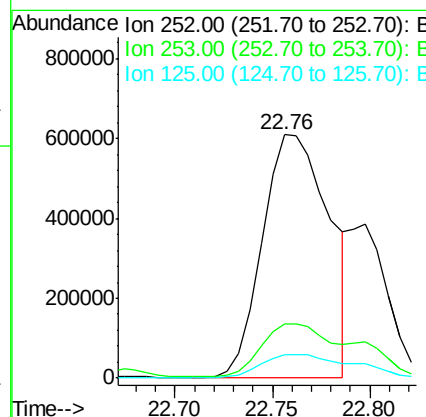
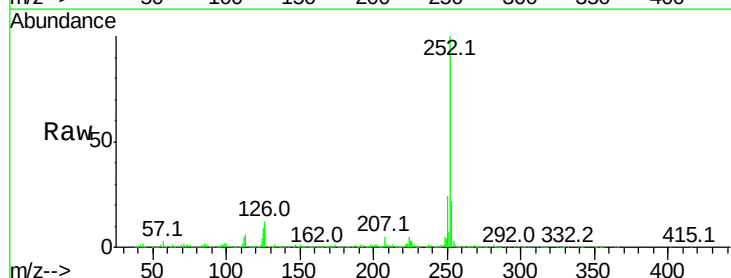
Instrument :
BNA_M
ClientSampleId :

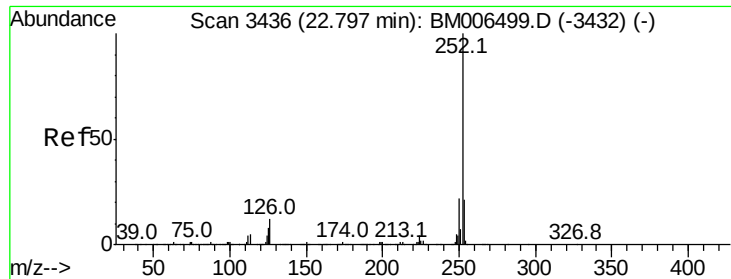
Tot Ion:228 Resp: 1046000
Ion Ratio Lower Upper
228 100
226 30.4 23.3 34.9
229 21.5 15.8 23.8



#85
Benzo(b)fluoranthene
Concen: 25.77 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006510.D
Acq: 17 Jul 2016 11:10

Tgt Ion:252 Resp: 1443964
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.5 6.7 10.1

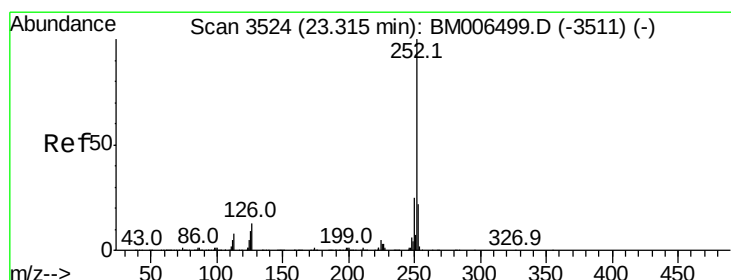
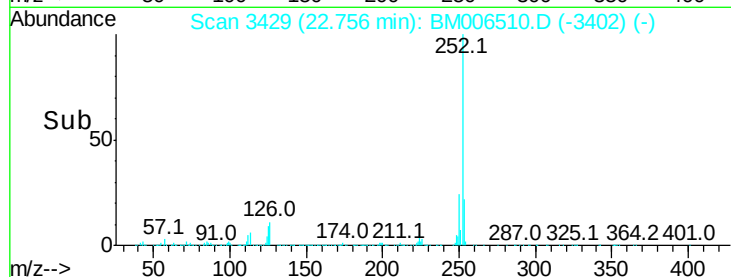
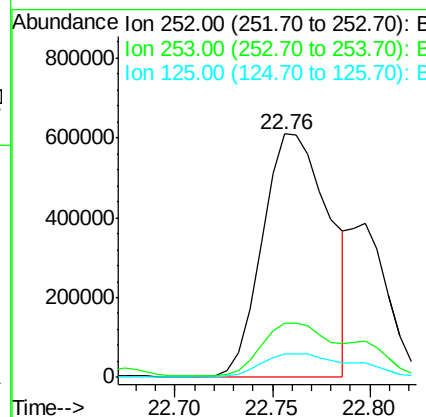
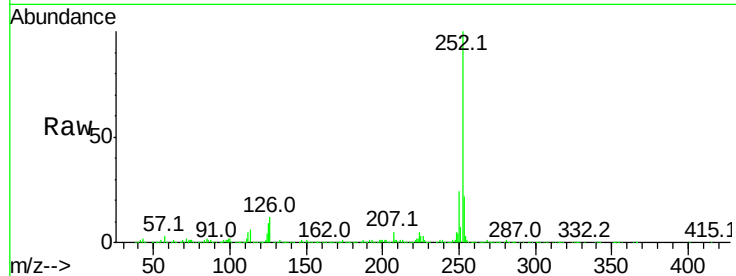




#86
Benzo(k)fluoranthene
Concen: 27.39 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.04 min
Lab File: BM006510.D
Acq: 17 Jul 2016 11:10

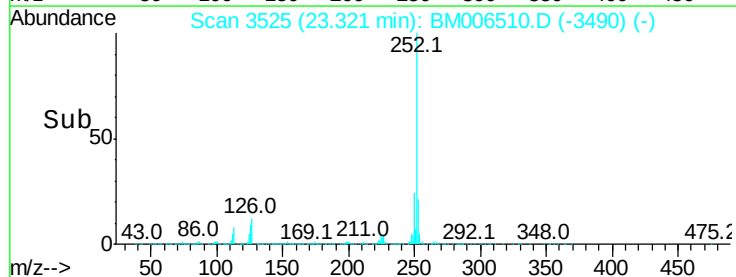
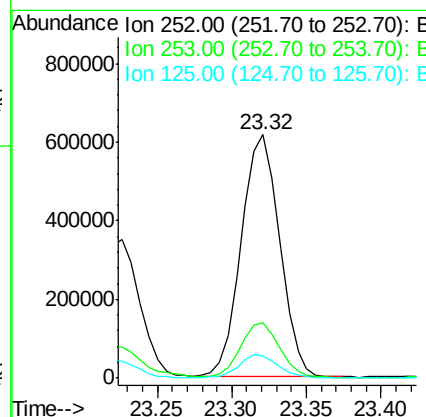
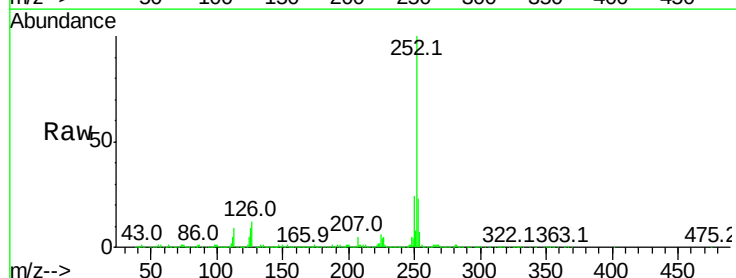
Instrument :
BNA_M
ClientSampleId :

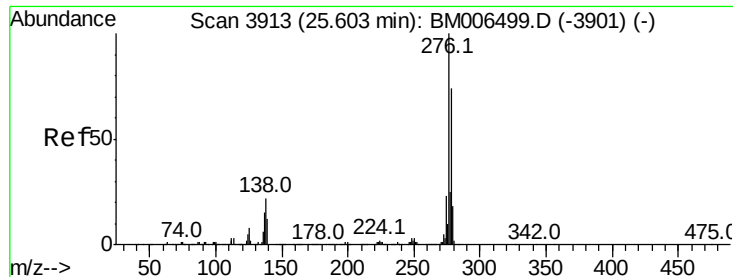
Tot Ion:252 Resp: 1443964
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 9.5 7.0 10.4



#88
Benzo(a)pyrene
Concen: 20.54 ng/ul
RT: 23.32 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BM006510.D
Acq: 17 Jul 2016 11:10

Tgt Ion:252 Resp: 1102500
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 9.1 7.6 11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.31 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

Instrument :

BNA_M

ClientSampleId :

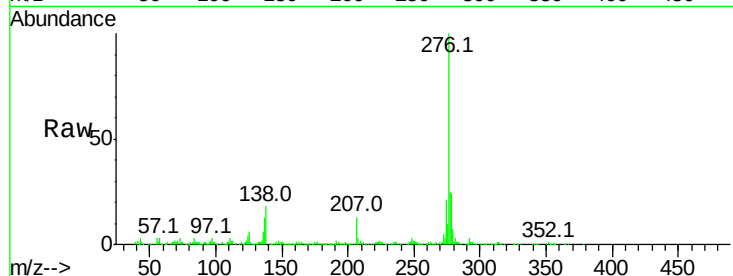
Tot Ion:276 Resp: 644022

Ion Ratio Lower Upper

276 100

138 18.1 17.8 26.6

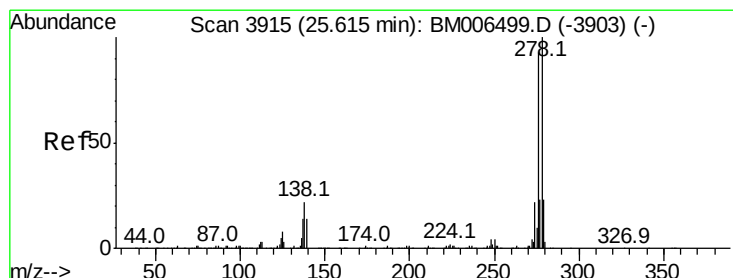
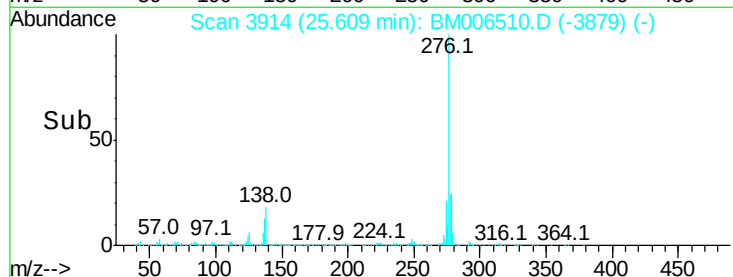
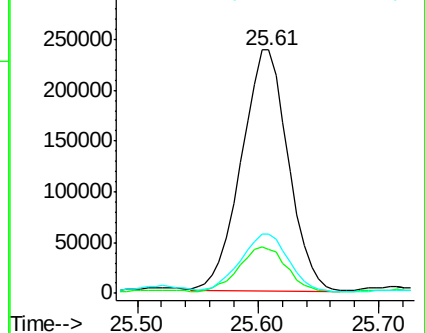
277 24.6 20.1 30.1



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: 3.38 ng/ul

RT: 25.61 min Scan# 3914

Delta R.T. -0.01 min

Lab File: BM006510.D

Acq: 17 Jul 2016 11:10

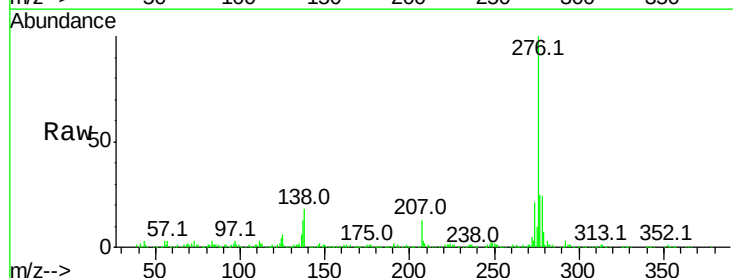
Tgt Ion:278 Resp: 175352

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

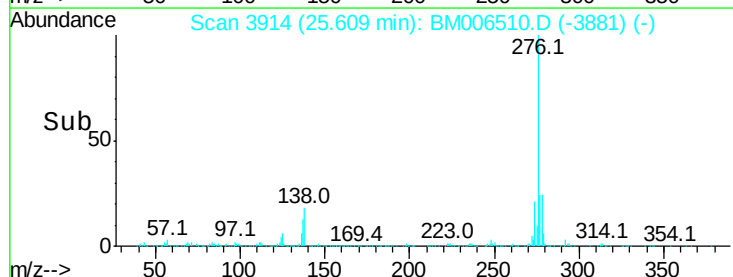
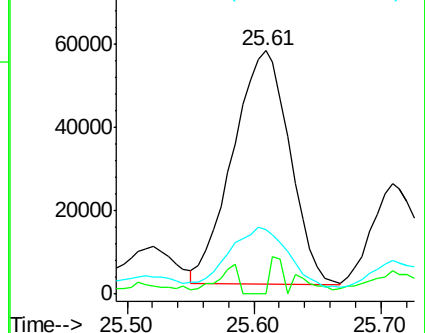
279 26.7 19.2 28.8

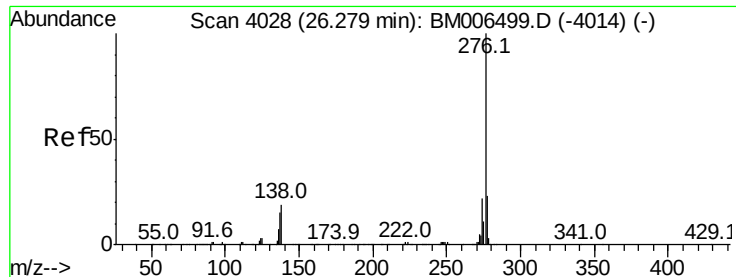


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 9.37 ng/ul
 RT: 26.28 min Scan# 4028
 Delta R.T. 0.00 min
 Lab File: BM006510.D
 Acq: 17 Jul 2016 11:10

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	15.0	22.4
277	22.8	19.0	28.4

