

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004199.D
 Acq On : 08 Feb 2016 14:35
 Operator : SJ/IZ
 Sample : H1340-13 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04K3

Quant Time: Feb 09 00:11:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 00:07:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	23051	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	115998	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	72892	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	181157	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	222537	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	224013	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	8050	3.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	4714	3.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	7082	4.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	6301	3.27	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	3273	3.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	2866	3.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	6652	3.75	ng/ul	0.01
29) 4-Chloroaniline-d4	10.59	131	8585	3.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	26606	4.24	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	32423	4.44	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.31	176	26062	4.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.16	188	42451	4.82	ng/ul	0.00
79) Pyrene-d10	19.47	212	50861	5.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	57318	4.91	ng/ul	0.00

Target Compounds

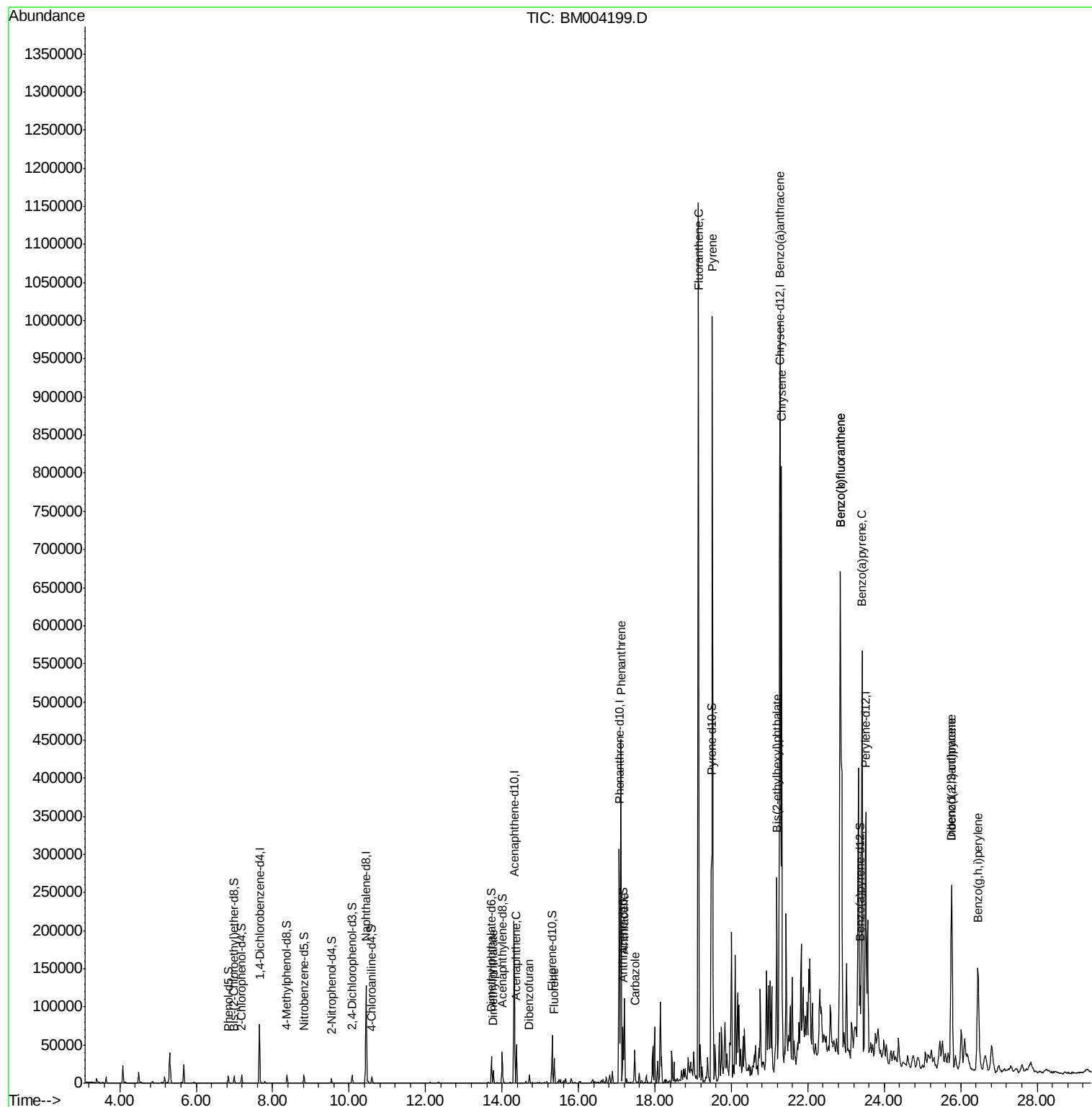
						Qvalue
45) Dimethylphthalate	13.77	163	13780	2.09	ng/ul	99
50) Acenaphthene	14.38	153	22298	4.08	ng/ul	99
54) Dibenzofuran	14.72	168	8582	1.11	ng/ul	98
59) Fluorene	15.37	166	15768	2.44	ng/ul	97
70) Phenanthrene	17.11	178	267023	24.15	ng/ul	100
72) Anthracene	17.20	178	72199	6.44	ng/ul	99
75) Carbazole	17.47	167	27238	2.67	ng/ul	100
77) Fluoranthene	19.14	202	688263	53.49	ng/ul	100
80) Pyrene	19.50	202	620545	45.35	ng/ul	100
83) Benzo(a)anthracene	21.26	228	431176	30.43	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	93421	10.65	ng/ul	99
85) Chrysene	21.32	228	402114	29.85	ng/ul	98
88) Benzo(b)fluoranthene	22.85	252	558349	39.05	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	140465	10.54	ng/ul	98
91) Benzo(a)pyrene	23.42	252	375448	27.18	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	217753	13.21	ng/ul	94
93) Dibenzo(a,h)anthracene	25.76	278	61080	4.44	ng/ul#	80
94) Benzo(g,h,i)perylene	26.45	276	160789	11.44	ng/ul	100

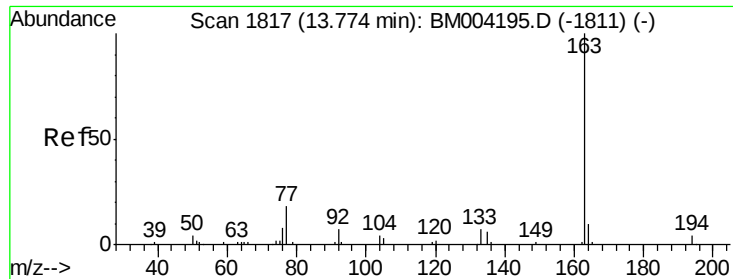
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004199.D
Acq On : 08 Feb 2016 14:35
Operator : SJ/IZ
Sample : H1340-13 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C04K3

Quant Time: Feb 09 00:11:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 00:07:17 2016
Response via : Initial Calibration

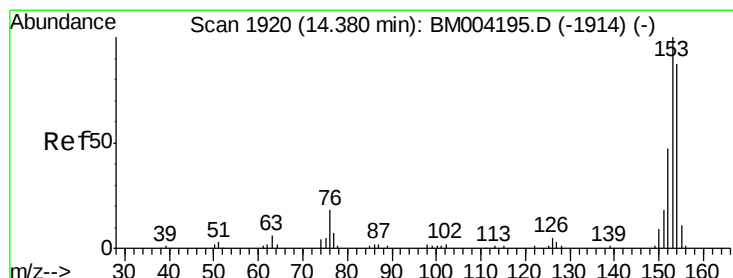
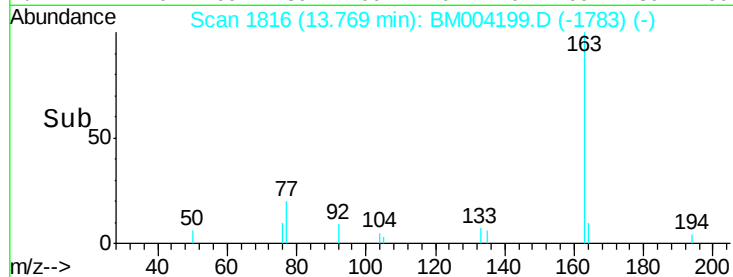
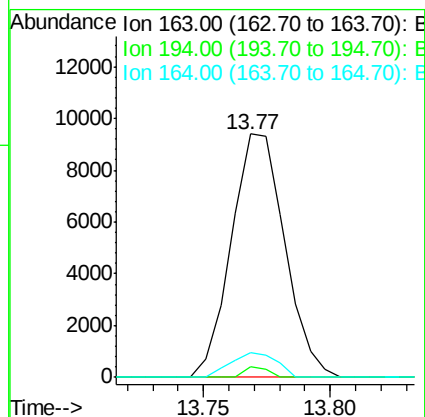
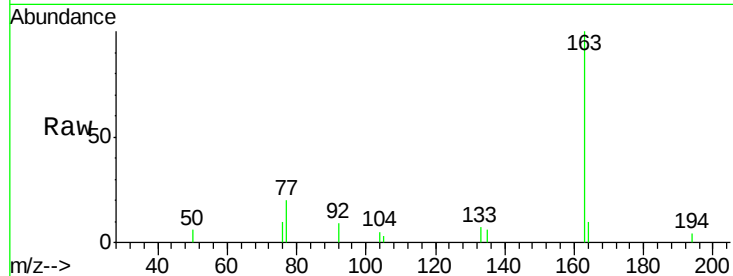




#45
Dimethylphthalate
Concen: 2.09 ng/ul
RT: 13.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BM004199.D
Acq: 08 Feb 2016 14:35

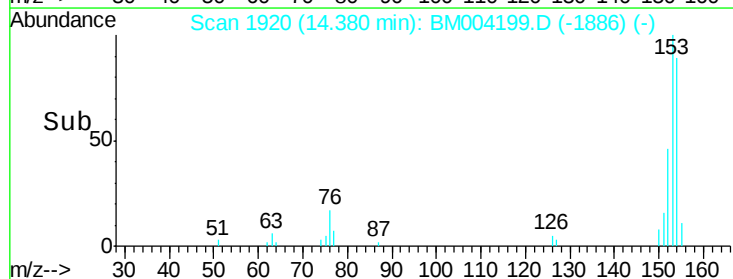
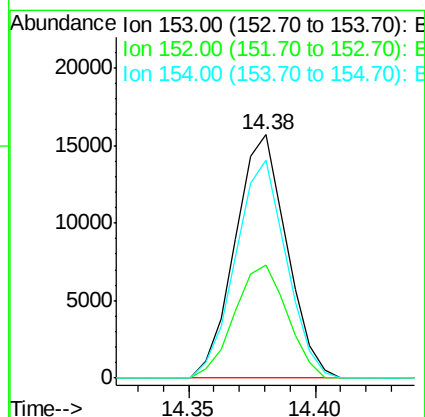
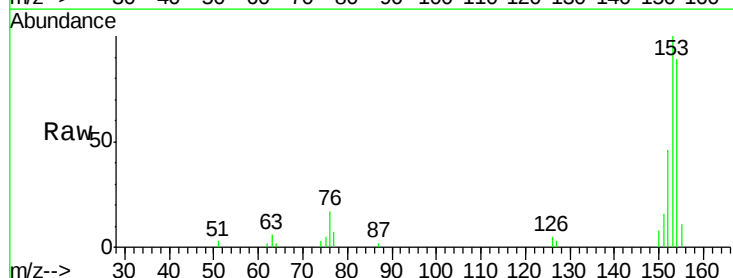
Instrument :
BNA_M
ClientSampleId :
C04K3

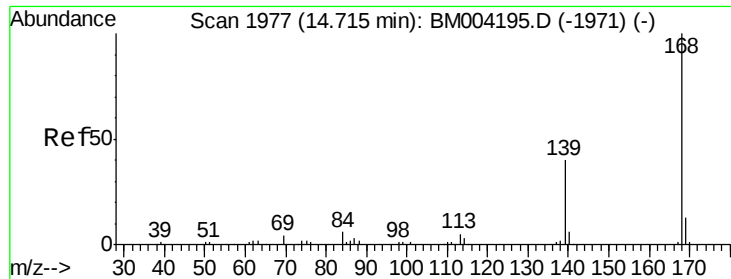
Tgt Ion:163 Resp: 13780
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.2 7.8 11.8



#50
Acenaphthene
Concen: 4.08 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM004199.D
Acq: 08 Feb 2016 14:35

Tgt Ion:153 Resp: 22298
Ion Ratio Lower Upper
153 100
152 46.2 38.3 57.5
154 89.4 71.8 107.8





#54

Dibenzenofuran

Concen: 1.11 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

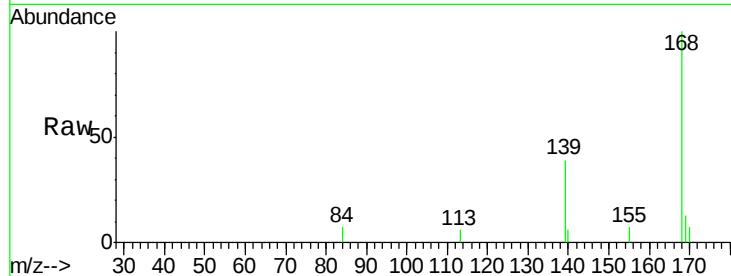
C04K3

Tgt Ion:168 Resp: 8582

Ion Ratio Lower Upper

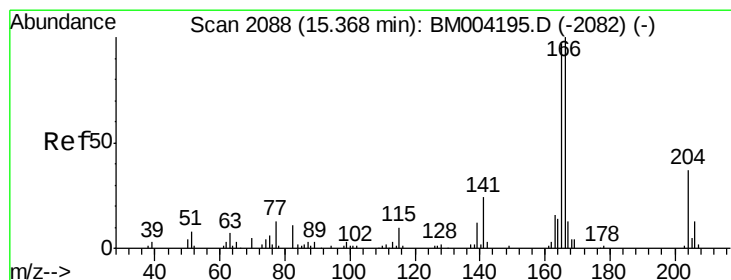
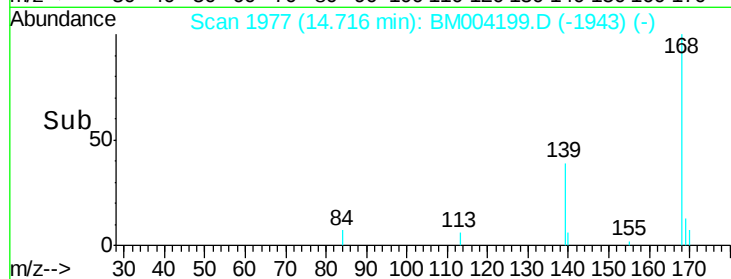
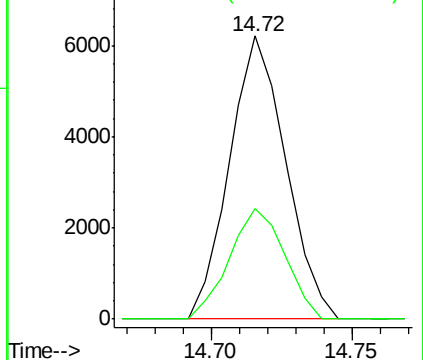
168 100

139 39.1 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.44 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

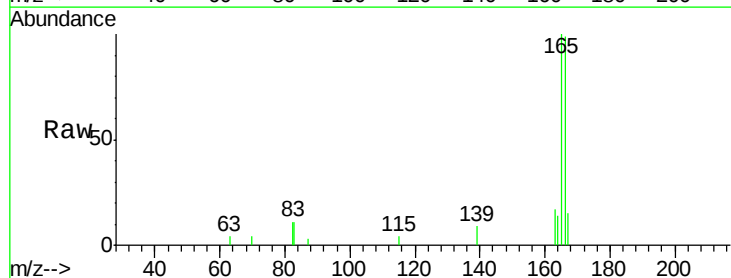
Tgt Ion:166 Resp: 15768

Ion Ratio Lower Upper

166 100

165 101.3 78.5 117.7

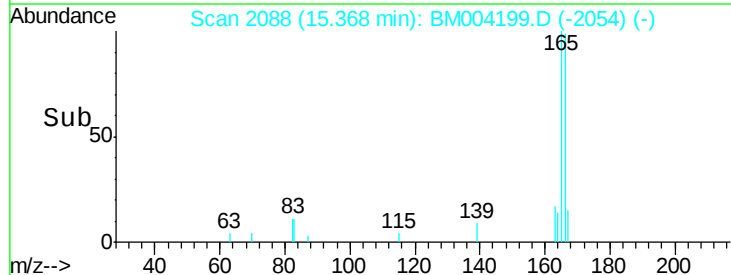
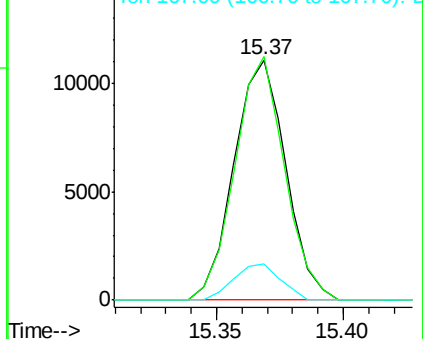
167 15.1 10.7 16.1

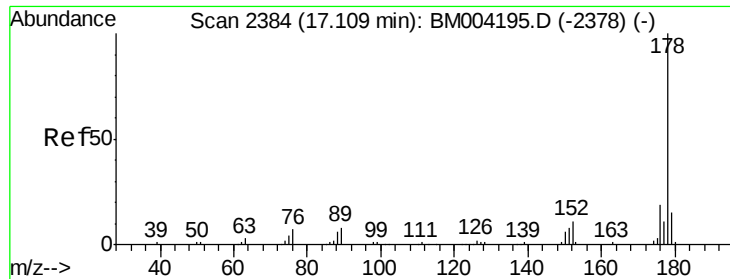


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 24.15 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

C04K3

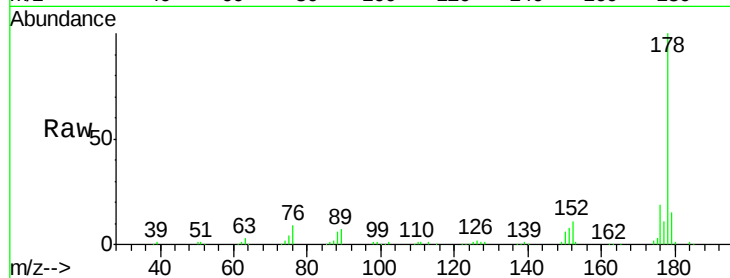
Tgt Ion:178 Resp: 267023

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

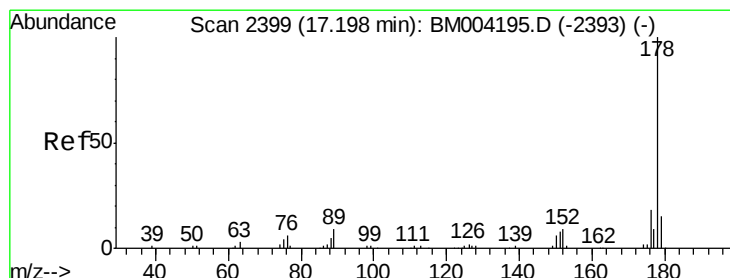
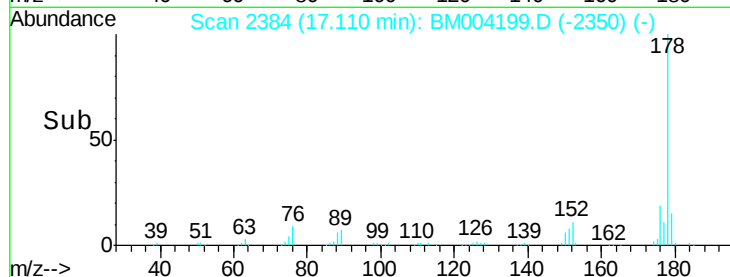
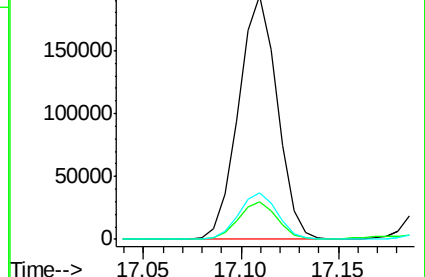
176 19.2 15.6 23.4



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



#72

Anthracene

Concen: 6.44 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

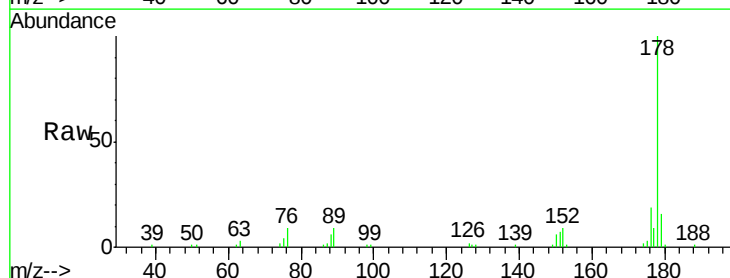
Tgt Ion:178 Resp: 72199

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

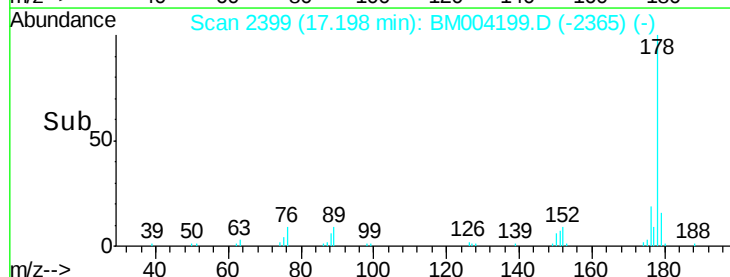
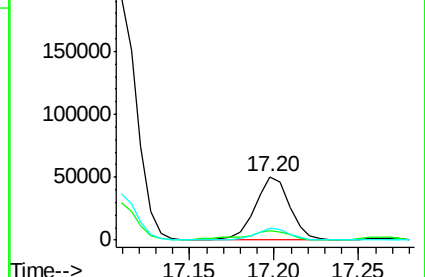
176 18.7 14.8 22.2

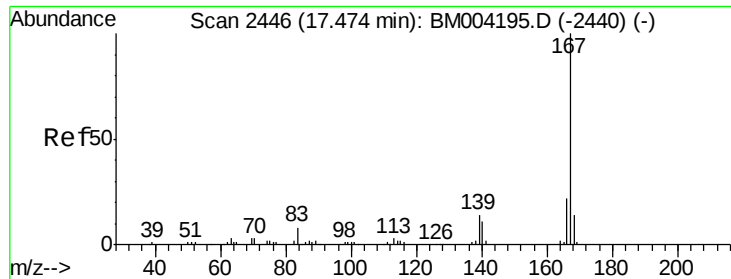


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.67 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

C04K3

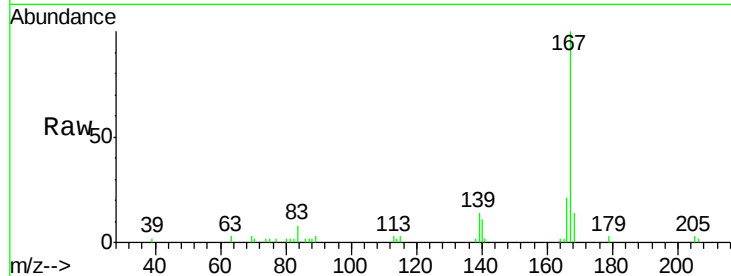
Tgt Ion:167 Resp: 27238

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

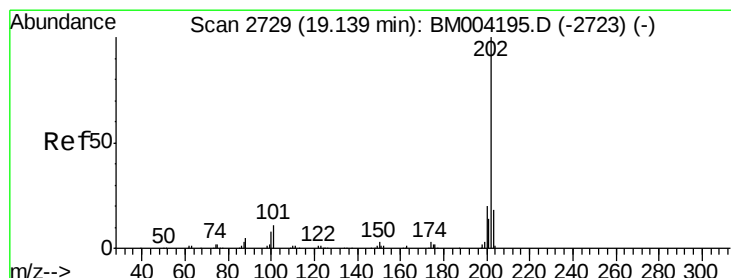
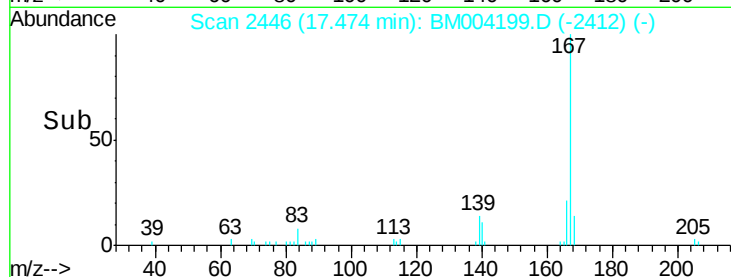
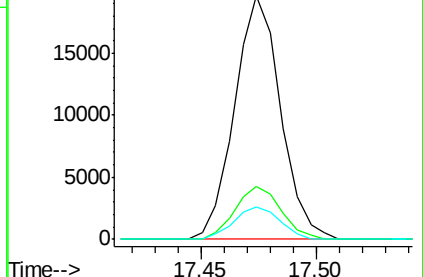
139 13.5 11.0 16.4



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



#77

Fluoranthene

Concen: 53.49 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

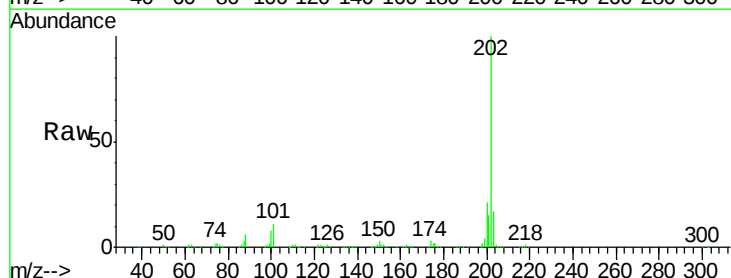
Tgt Ion:202 Resp: 688263

Ion Ratio Lower Upper

202 100

101 10.7 8.8 13.2

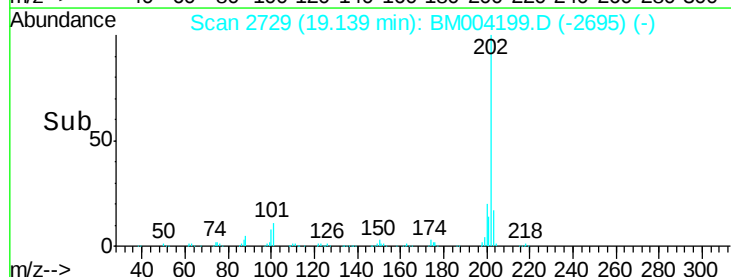
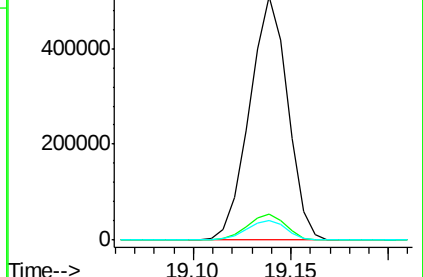
100 8.2 6.6 9.8

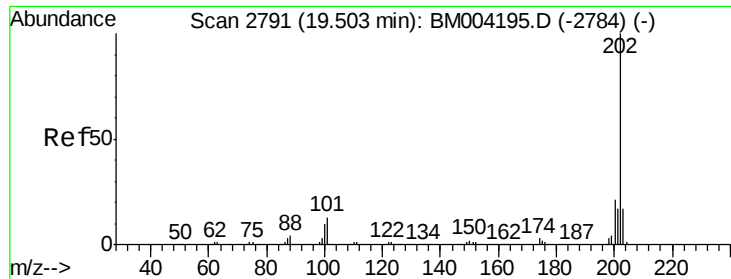


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

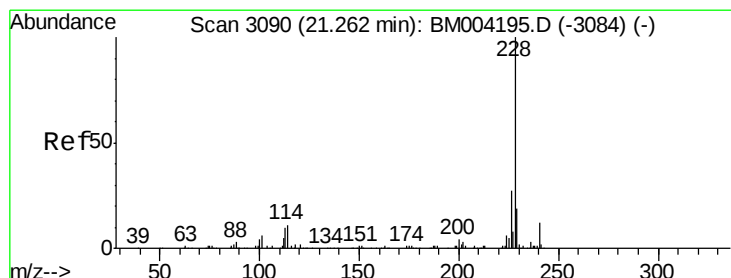
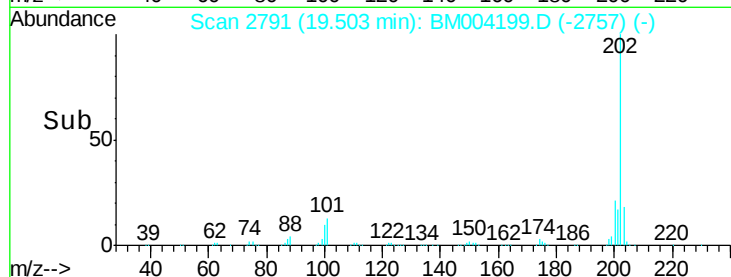
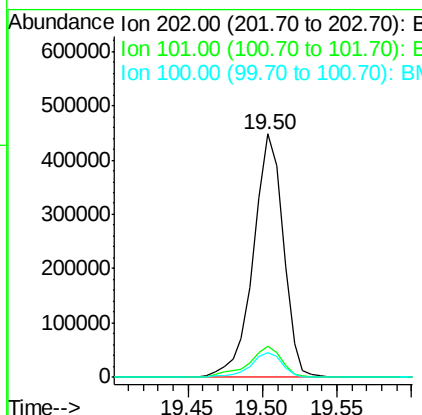
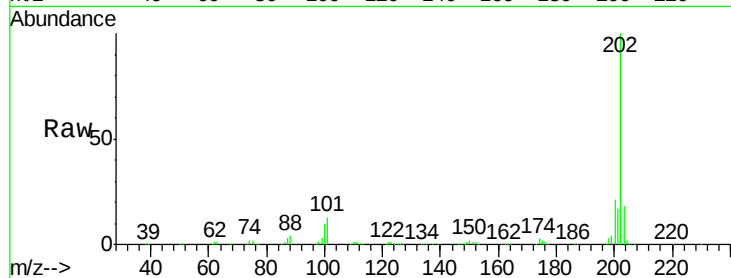




#80
 Pyrene
 Concen: 45.35 ng/ul
 RT: 19.50 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM004199.D
 Acq: 08 Feb 2016 14:35

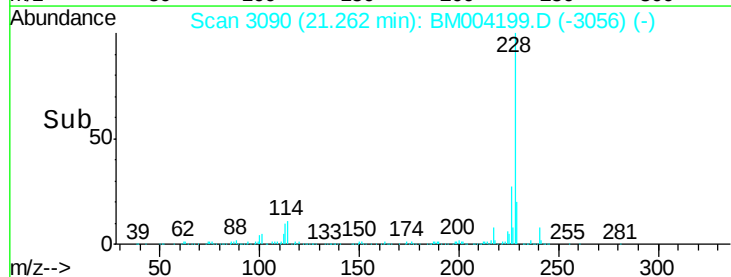
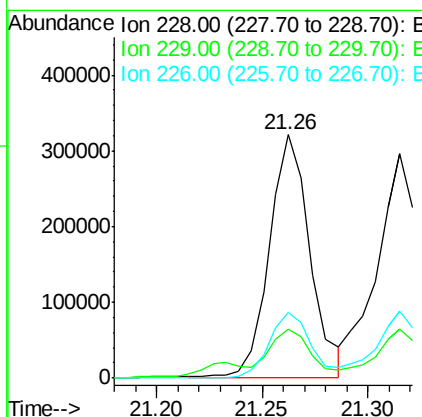
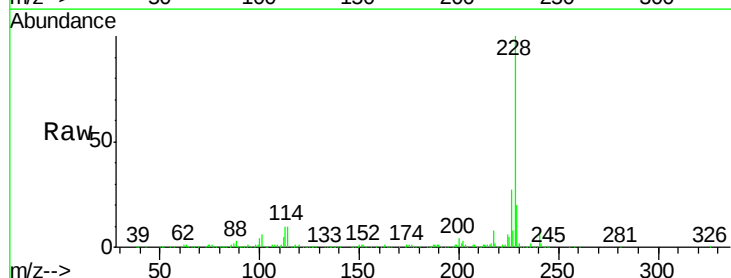
Instrument :
 BNA_M
 ClientSampleId :
 C04K3

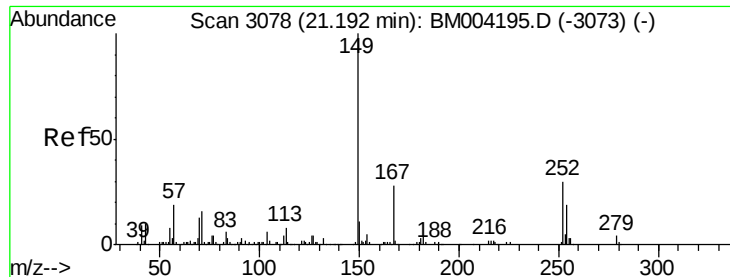
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.2	15.2
100	10.4	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 30.43 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004199.D
 Acq: 08 Feb 2016 14:35

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.7	23.5
226	27.1	21.8	32.6

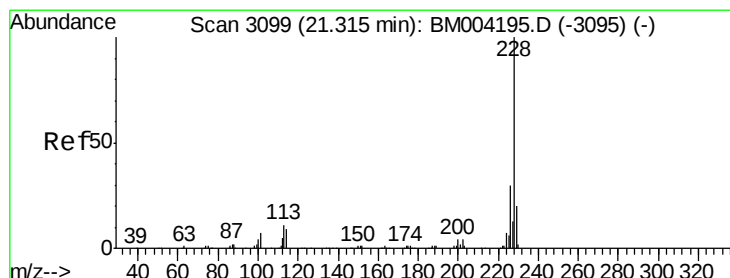
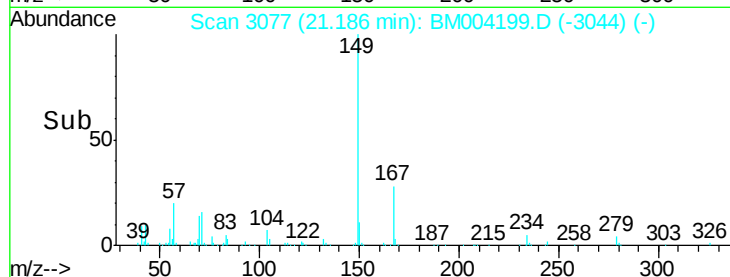
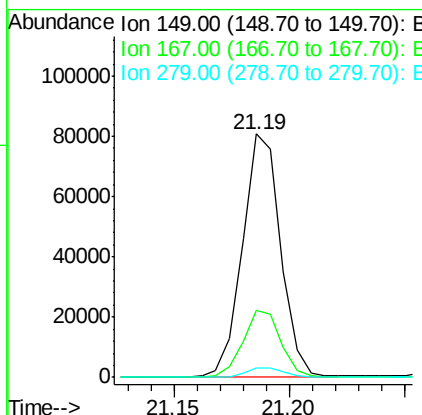
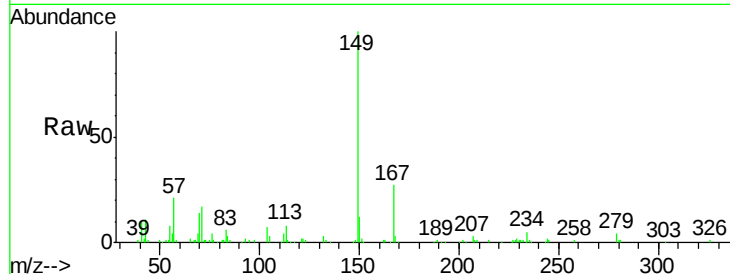




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.65 ng/ul
 RT: 21.19 min Scan# 3077
 Delta R.T. -0.01 min
 Lab File: BM004199.D
 Acq: 08 Feb 2016 14:35

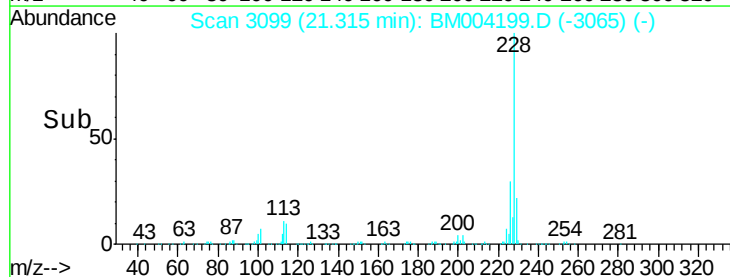
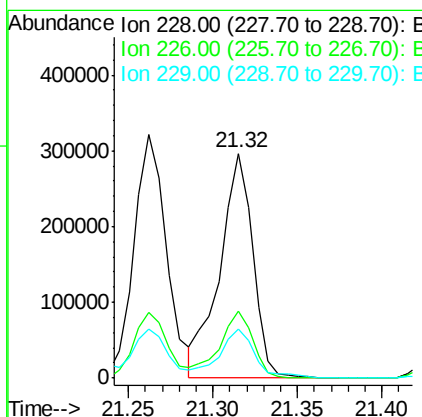
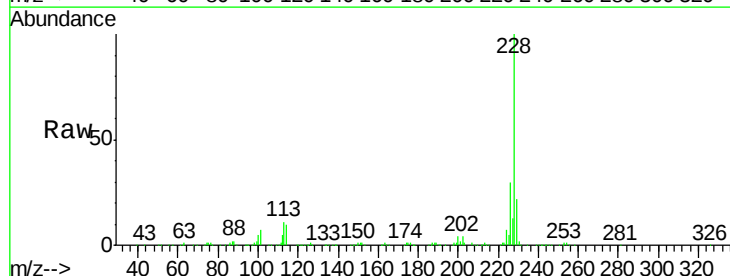
Instrument :
 BNA_M
 ClientSampleId :
 C04K3

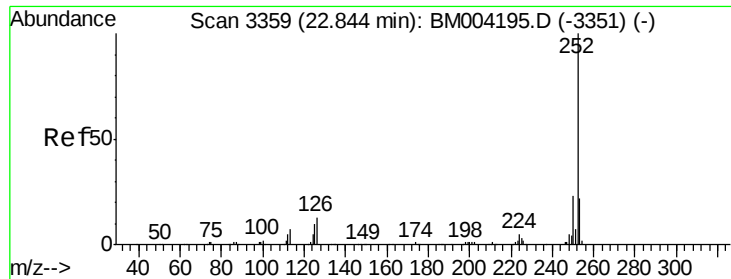
Tgt Ion:149 Resp: 93421
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.6 32.4
 279 3.9 3.0 4.4



#85
 Chrysene
 Concen: 29.85 ng/ul
 RT: 21.32 min Scan# 3099
 Delta R.T. 0.00 min
 Lab File: BM004199.D
 Acq: 08 Feb 2016 14:35

Tgt Ion:228 Resp: 402114
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.0 36.0
 229 22.1 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 39.05 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

C04K3

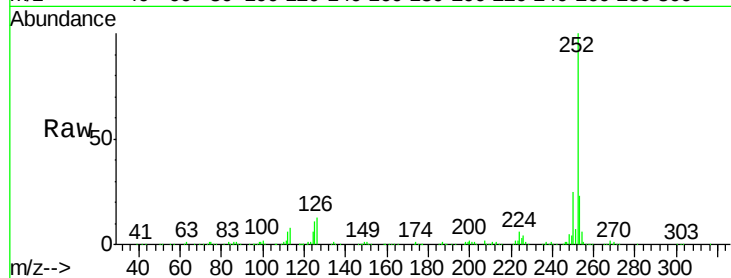
Tgt Ion:252 Resp: 558349

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

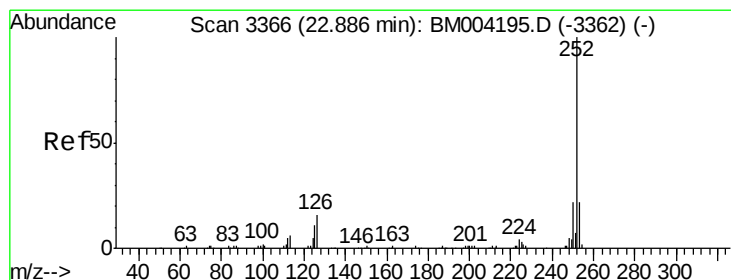
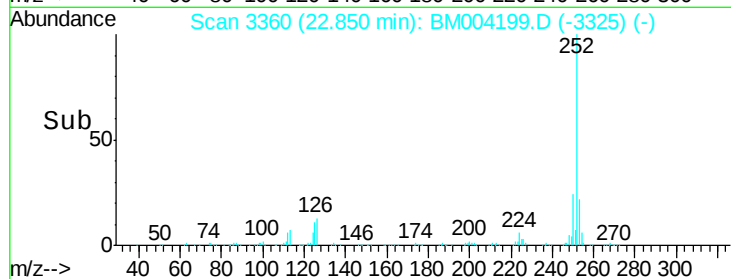
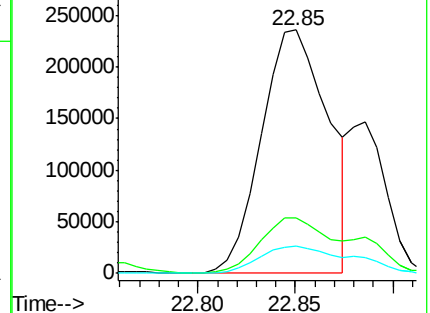
125 11.3 8.5 12.7



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

Benzo(k)fluoranthene

Concen: 10.54 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

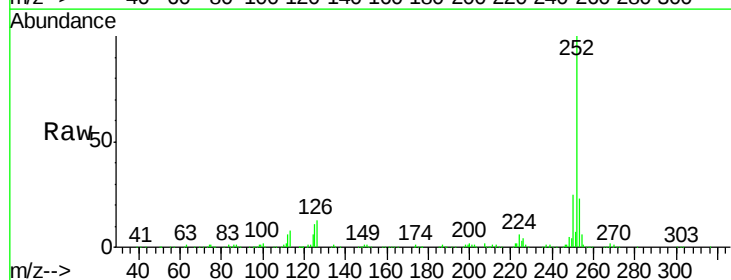
Tgt Ion:252 Resp: 140465

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

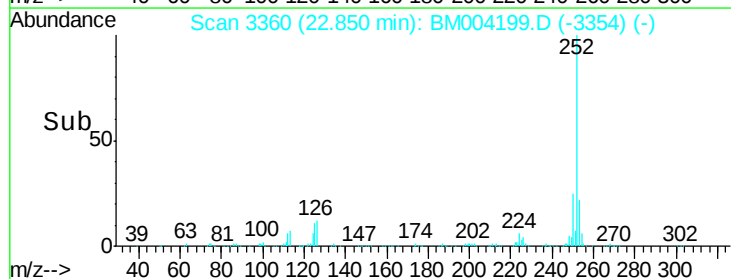
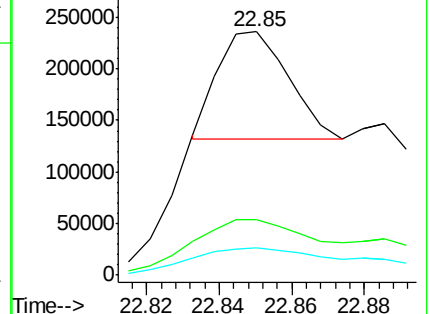
125 11.3 8.2 12.2

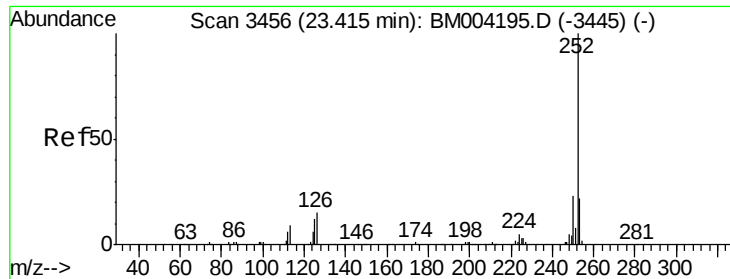


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 27.18 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

C04K3

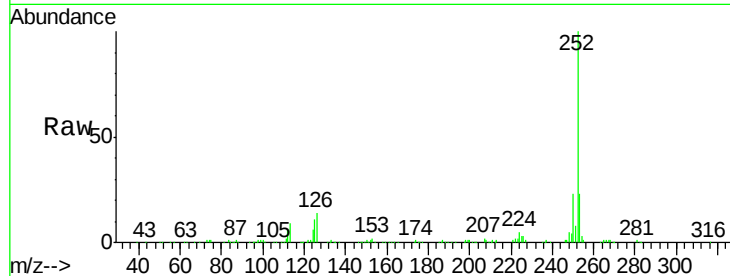
Tgt Ion:252 Resp: 375448

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

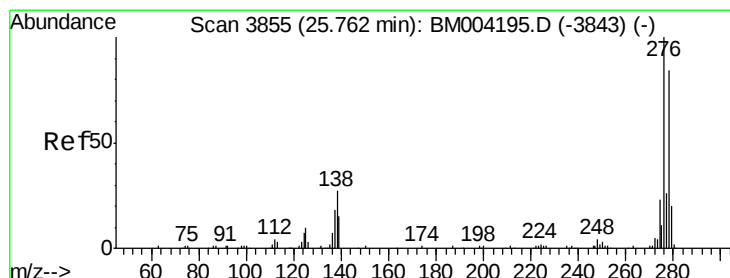
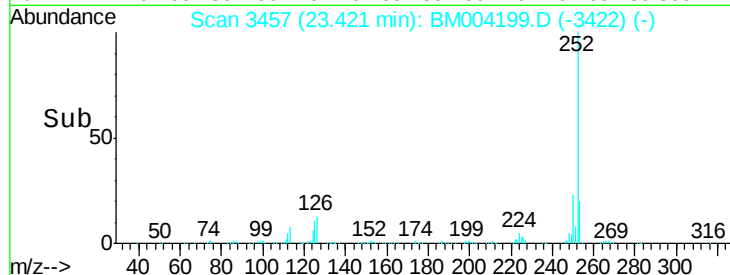
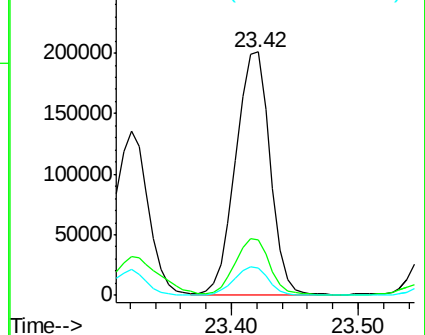
125 11.3 9.0 13.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 13.21 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

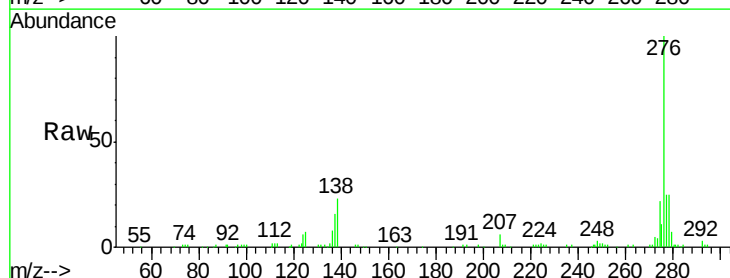
Tgt Ion:276 Resp: 217753

Ion Ratio Lower Upper

276 100

138 22.6 22.3 33.5

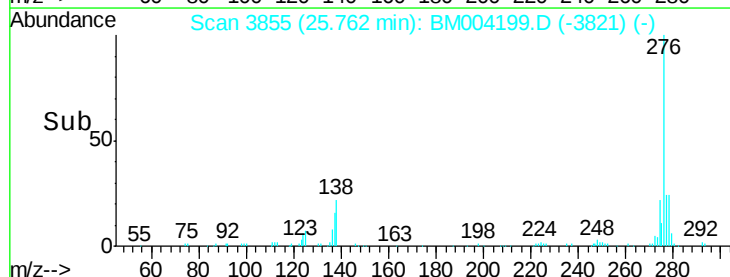
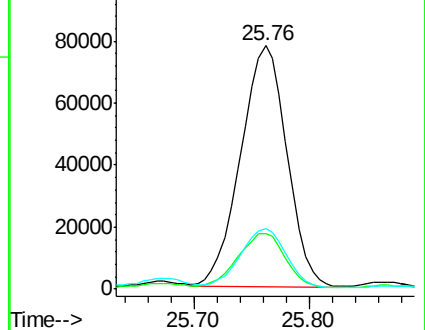
277 24.8 20.2 30.2

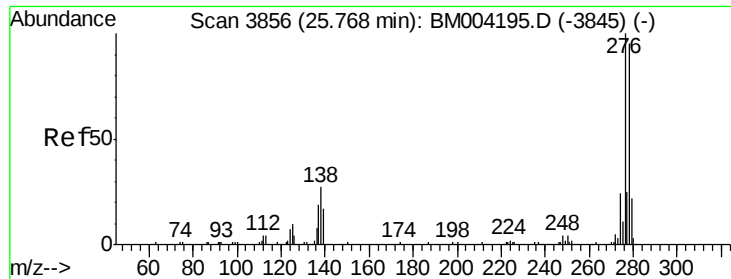


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 4.44 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

Instrument :

BNA_M

ClientSampleId :

C04K3

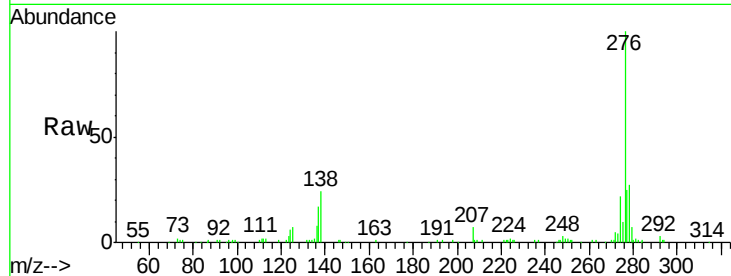
Tgt Ion:278 Resp: 61080

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

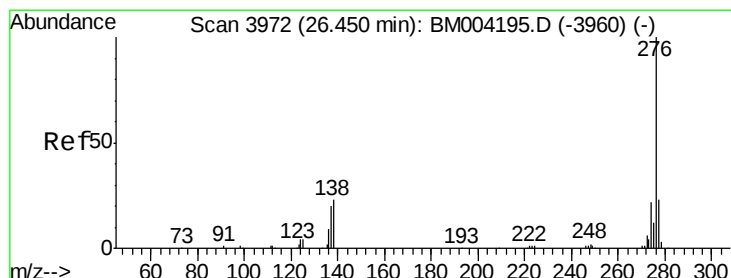
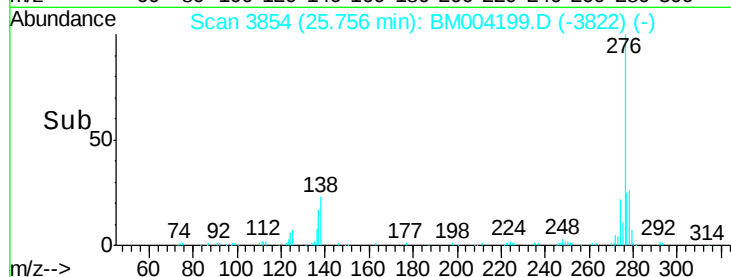
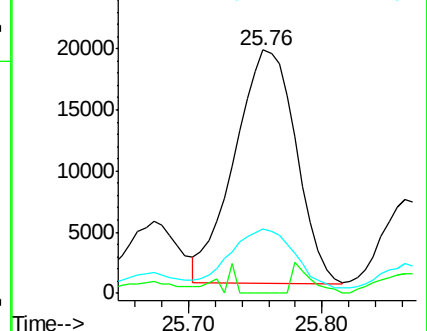
279 26.7 19.0 28.4



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



#94

Benzo(g,h,i)perylene

Concen: 11.44 ng/ul

RT: 26.45 min Scan# 3972

Delta R.T. 0.00 min

Lab File: BM004199.D

Acq: 08 Feb 2016 14:35

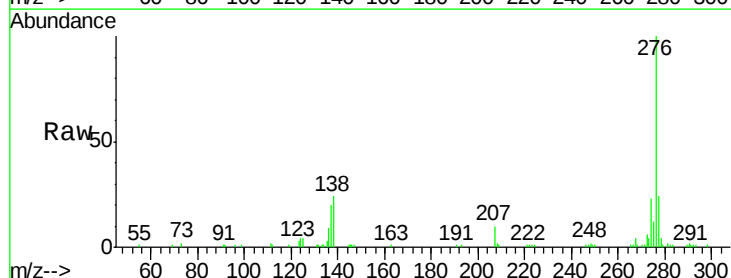
Tgt Ion:276 Resp: 160789

Ion Ratio Lower Upper

276 100

138 23.7 18.9 28.3

277 24.4 19.2 28.8



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

