

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050216\
 Data File : BM005207.D
 Acq On : 03 May 2016 00:16
 Operator : UM/SJ
 Sample : H2772-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Quant Time: May 03 03:26:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 03 03:20:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	48722	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	232656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	141131	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	309958	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	272109	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	228219	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	3280	3.42	ng/uL	0.00
5) Phenol-d5	6.95	99	70622	17.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	46592	20.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	58979	18.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	45247	13.24	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	29913	18.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	34106	18.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.19	165	63043	18.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	87320	21.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	227053	20.37	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	269244	20.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	20209	10.37	ng/ul	0.00
57) Fluorene-d10	15.42	176	201365	20.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	22875	12.97	ng/ul	0.00
70) Anthracene-d10	17.27	188	299057	21.52	ng/ul	0.00
76) Pyrene-d10	19.57	212	321590	25.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	229549	22.45	ng/ul	0.00

Target Compounds

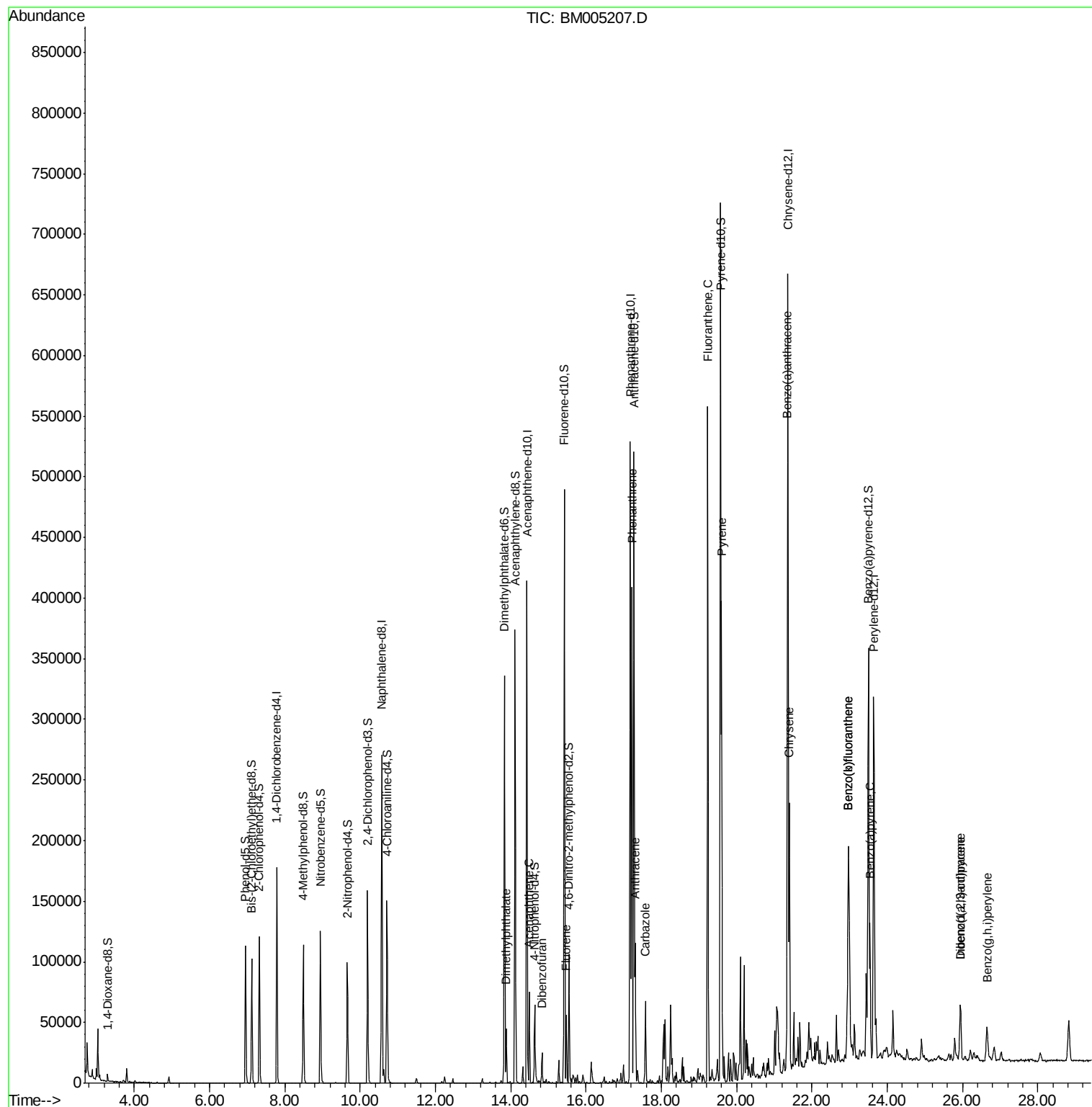
					Qvalue
44) Dimethylphthalate	13.88	163	30938	2.77 ng/ul	100
49) Acenaphthene	14.49	153	31659	3.43 ng/ul	100
53) Dibenzofuran	14.83	168	16472	1.21 ng/ul	99
58) Fluorene	15.47	166	25807	2.44 ng/ul	98
69) Phenanthrene	17.22	178	248691	15.08 ng/ul	99
71) Anthracene	17.30	178	72725	4.37 ng/ul	99
72) Carbazole	17.58	167	46495	3.26 ng/ul	99
74) Fluoranthene	19.23	202	336066	18.51 ng/ul	100
77) Pyrene	19.60	202	246248	15.67 ng/ul	99
80) Benzo(a)anthracene	21.34	228	135481	8.70 ng/ul	99
82) Chrysene	21.40	228	117296	7.87 ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	130060	9.46 ng/ul	96
86) Benzo(k)fluoranthene	22.96	252	130060	9.73 ng/ul	97
88) Benzo(a)pyrene	23.54	252	80263	6.25 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.94	276	46528	3.80 ng/ul	97
90) Dibenzo(a,h)anthracene	25.94	278	14077	1.38 ng/ul#	80
91) Benzo(g,h,i)perylene	26.64	276	36422	3.64 ng/ul	97

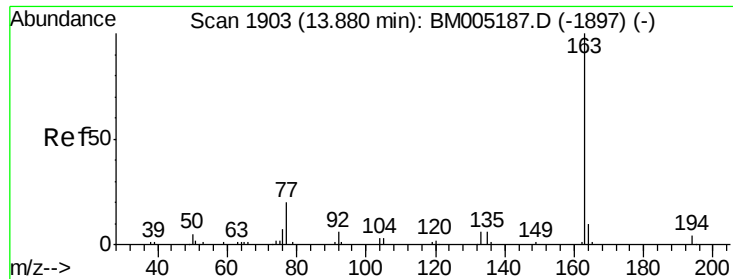
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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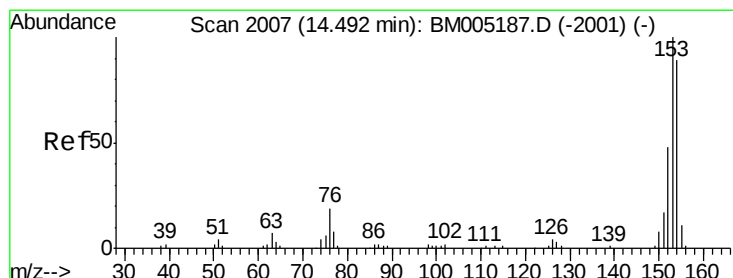
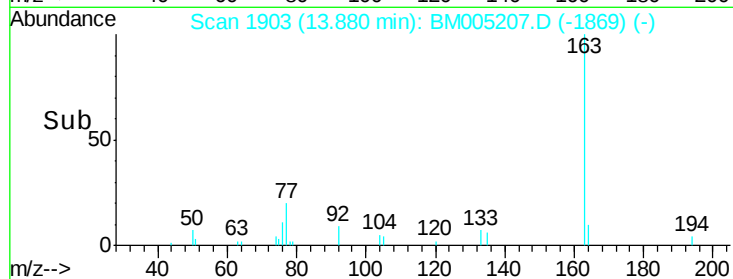
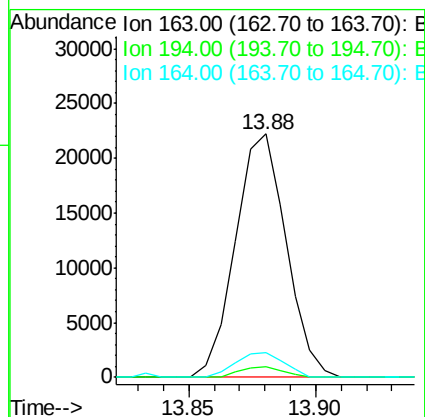
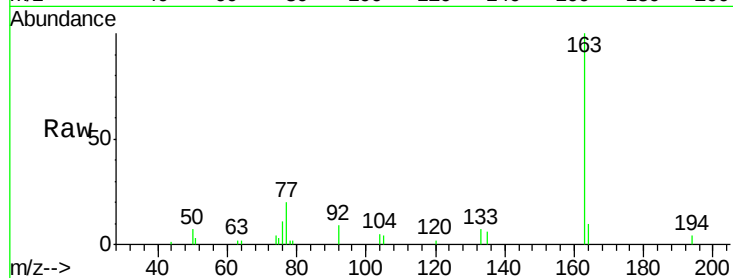




#44
Dimethylphthalate
Concen: 2.77 ng/ul
RT: 13.88 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

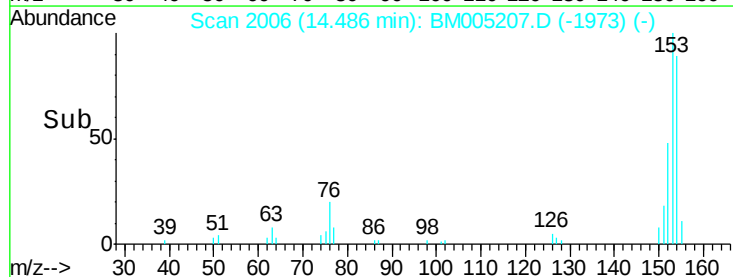
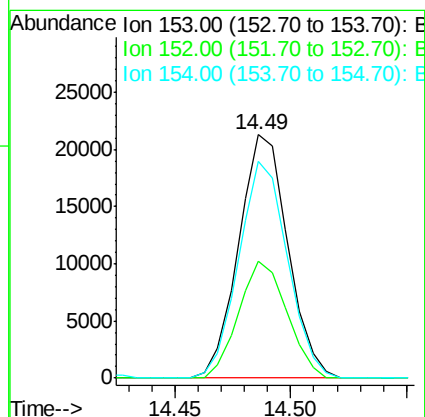
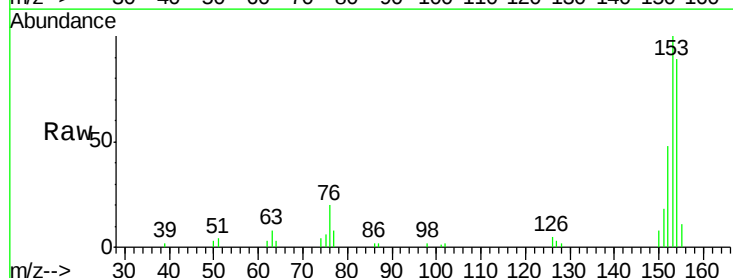
Instrument :
BNA_M
ClientSampleId :
BD3C5

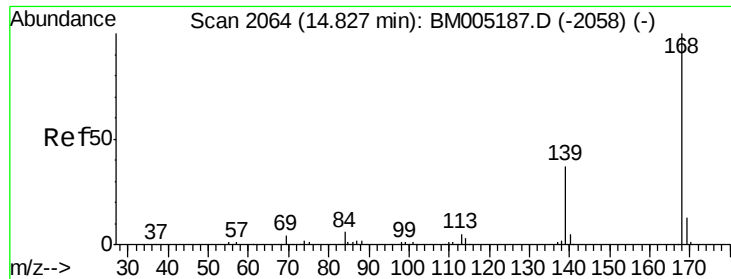
Tgt Ion:163 Resp: 30938
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.2



#49
Acenaphthene
Concen: 3.43 ng/ul
RT: 14.49 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Tgt Ion:153 Resp: 31659
Ion Ratio Lower Upper
153 100
152 47.8 37.7 56.5
154 89.2 71.4 107.2





#53

Dibenzenofuran

Concen: 1.21 ng/ul

RT: 14.83 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

ClientSampleId :

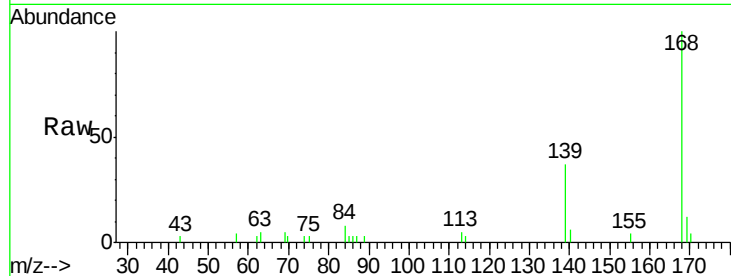
BD3C5

Tgt Ion:168 Resp: 16472

Ion Ratio Lower Upper

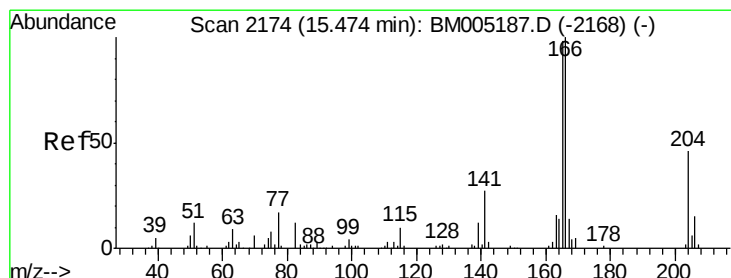
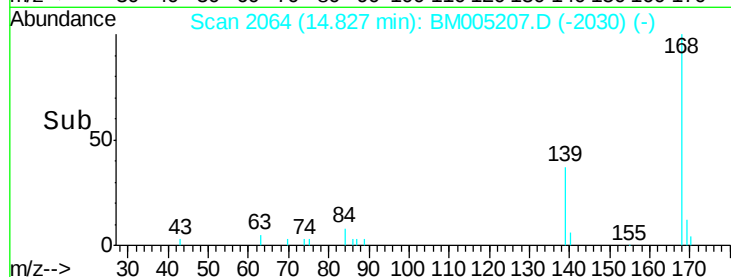
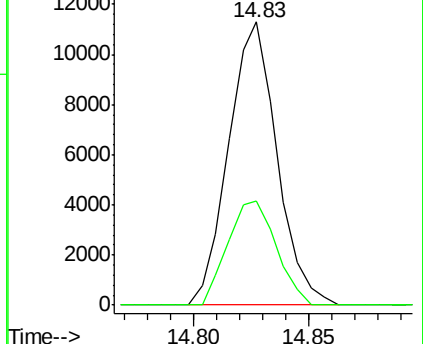
168 100

139 36.9 29.9 44.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.44 ng/ul

RT: 15.47 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

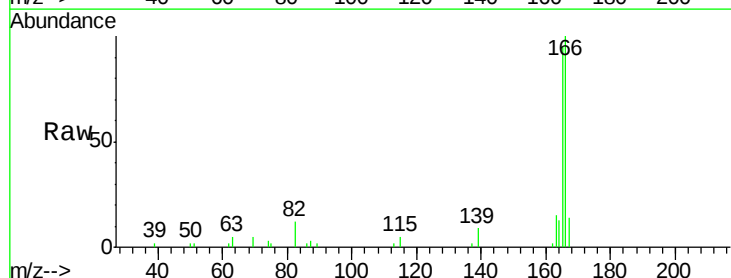
Tgt Ion:166 Resp: 25807

Ion Ratio Lower Upper

166 100

165 94.9 77.7 116.5

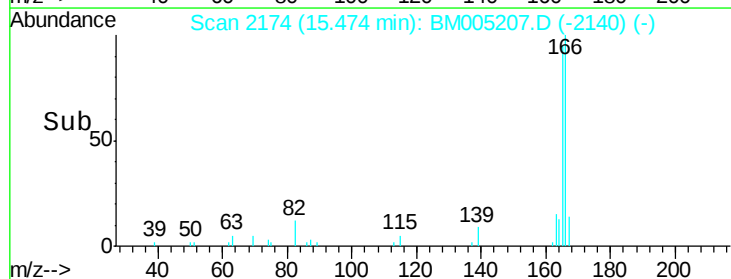
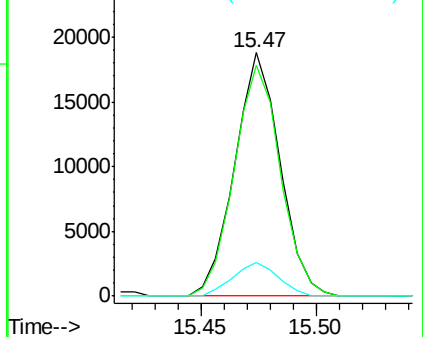
167 13.6 10.9 16.3

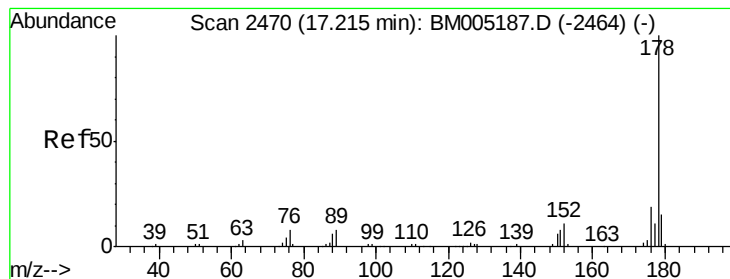


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.08 ng/ul

RT: 17.22 min Scan# 2470

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD3C5

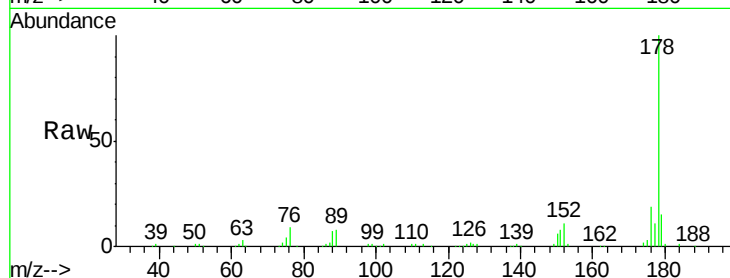
Tgt Ion:178 Resp: 248691

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

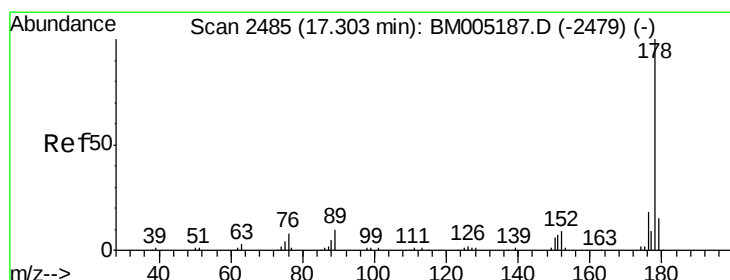
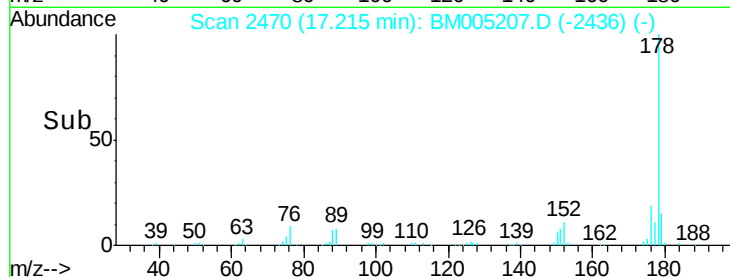
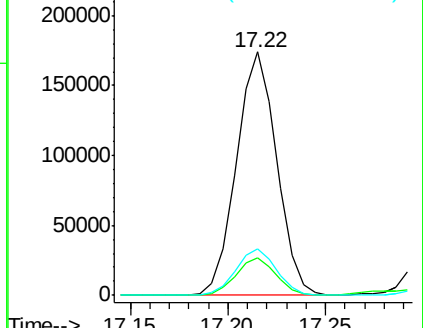
176 18.9 15.2 22.8



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: 4.37 ng/ul

RT: 17.30 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

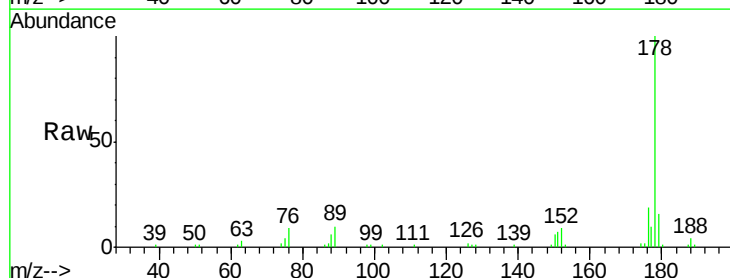
Tgt Ion:178 Resp: 72725

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

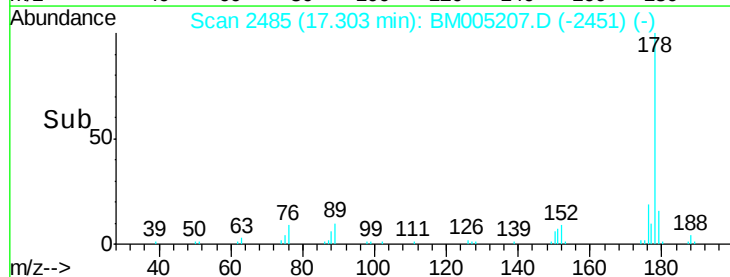
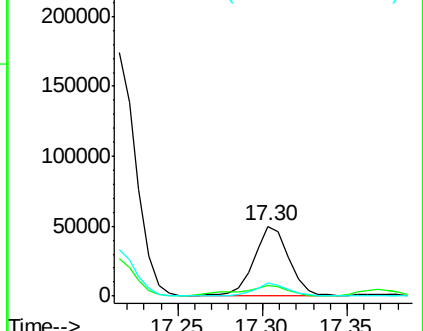
176 18.7 14.6 22.0

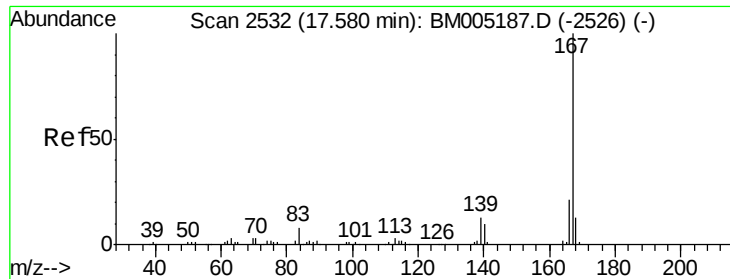


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.26 ng/ul

RT: 17.58 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD3C5

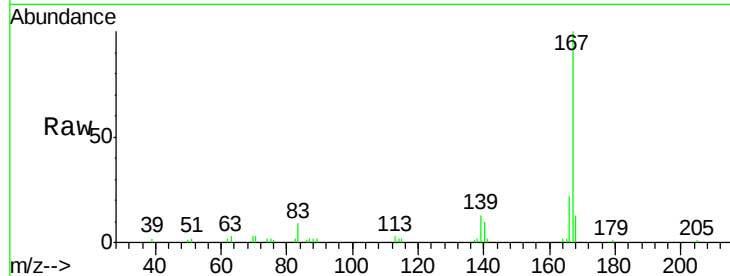
Tgt Ion:167 Resp: 46495

Ion Ratio Lower Upper

167 100

166 21.5 16.6 25.0

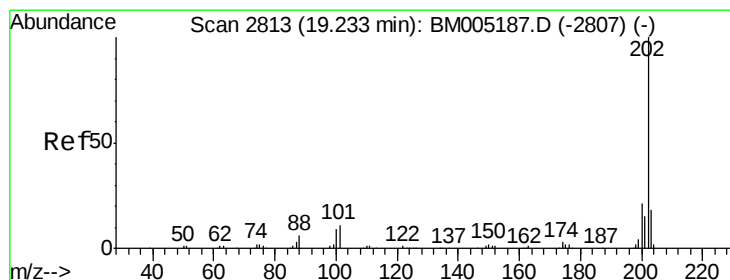
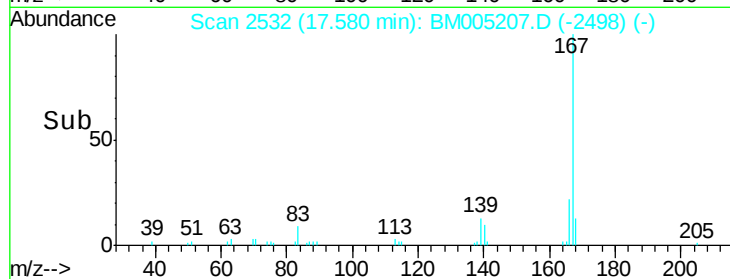
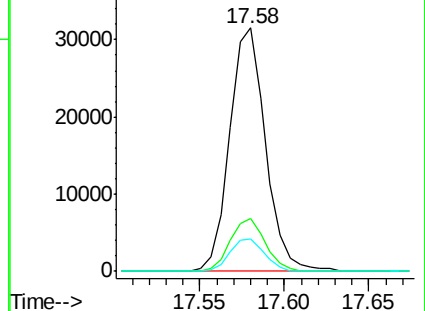
139 13.2 10.2 15.4



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: 18.51 ng/ul

RT: 19.23 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

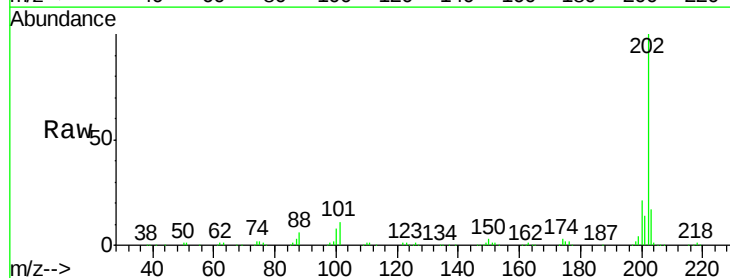
Tgt Ion:202 Resp: 336066

Ion Ratio Lower Upper

202 100

101 11.4 9.0 13.4

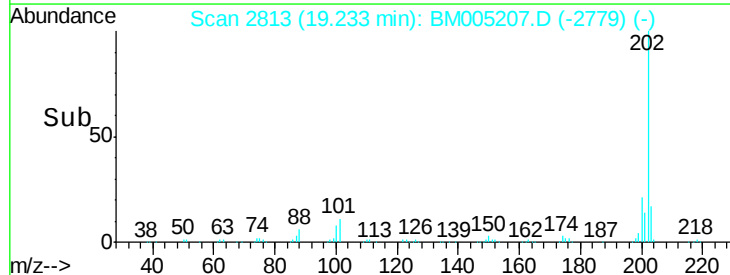
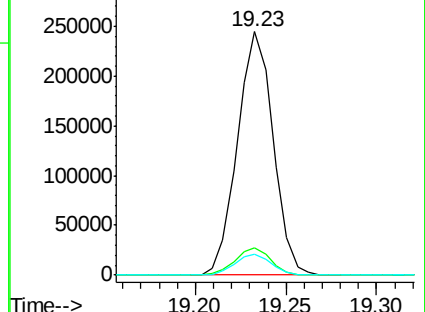
100 8.4 6.6 10.0

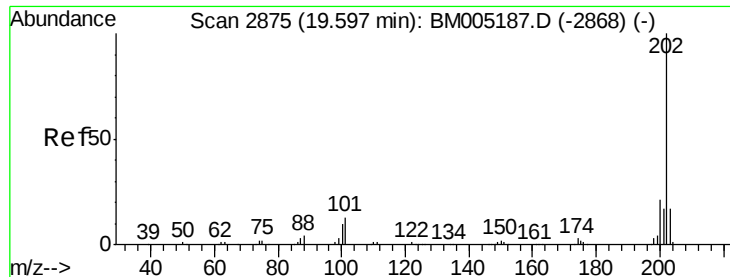


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 15.67 ng/ul

RT: 19.60 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

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ClientSampleId :

BD3C5

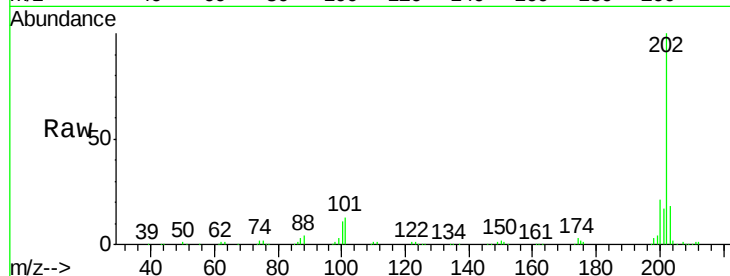
Tgt Ion:202 Resp: 246248

Ion Ratio Lower Upper

202 100

101 13.2 10.5 15.7

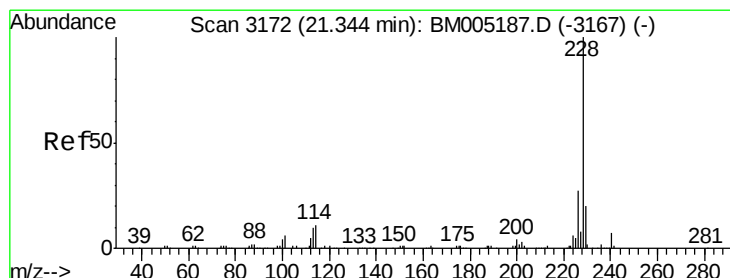
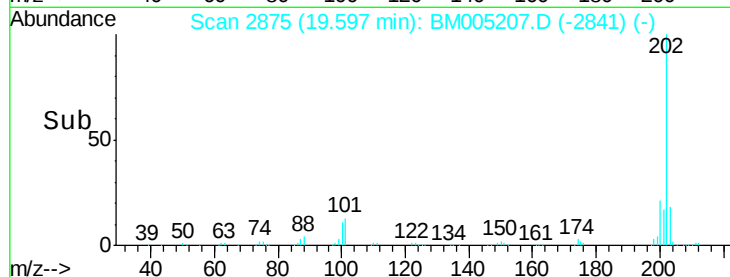
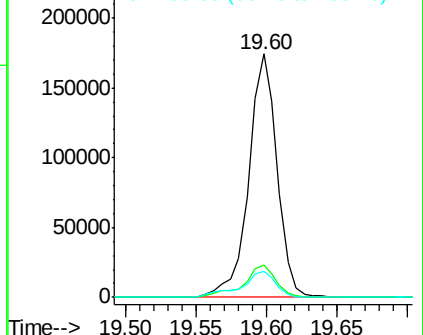
100 10.7 8.2 12.2



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: 8.70 ng/ul

RT: 21.34 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

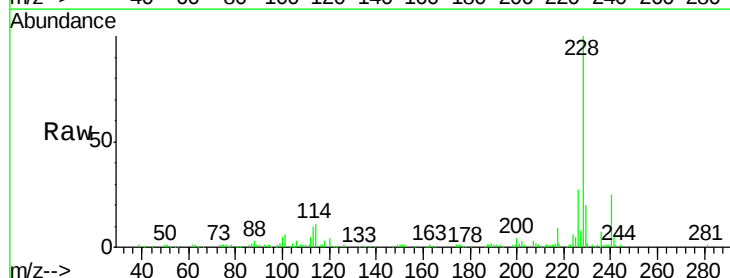
Tgt Ion:228 Resp: 135481

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

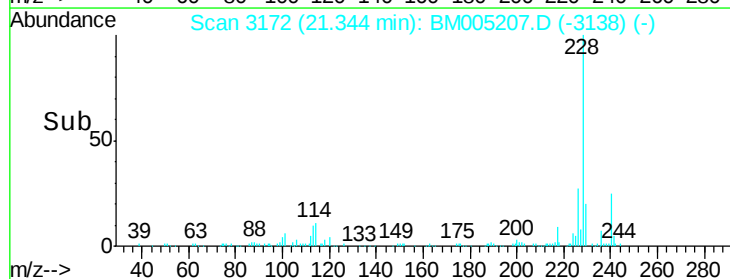
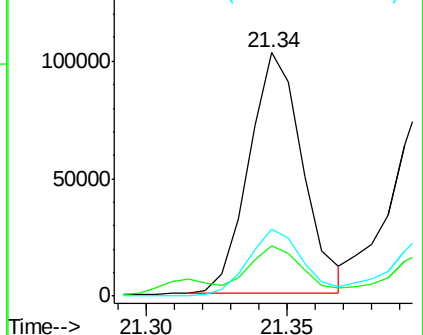
226 27.3 21.5 32.3

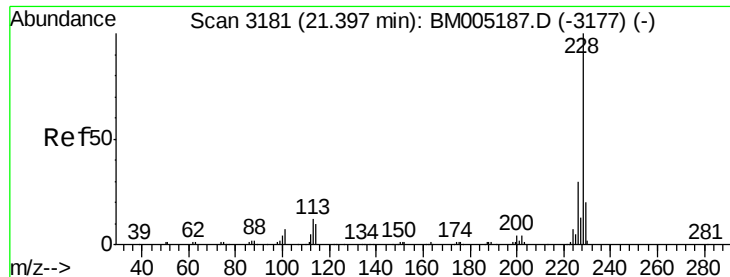


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 7.87 ng/ul

RT: 21.40 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

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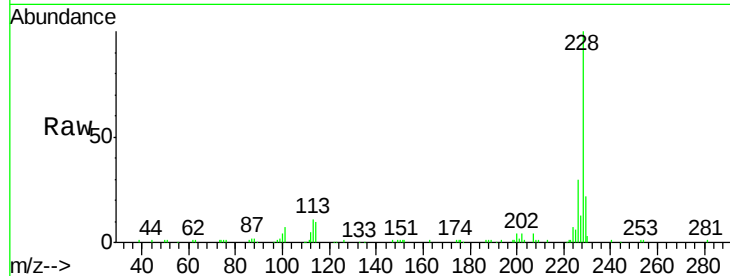
Tgt Ion:228 Resp: 117296

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

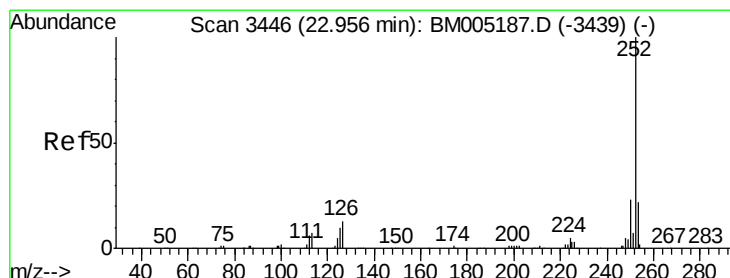
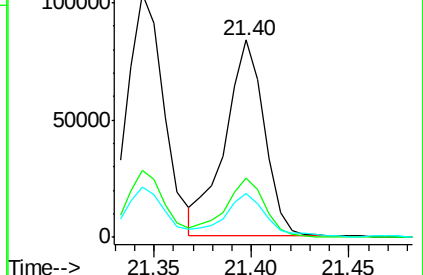
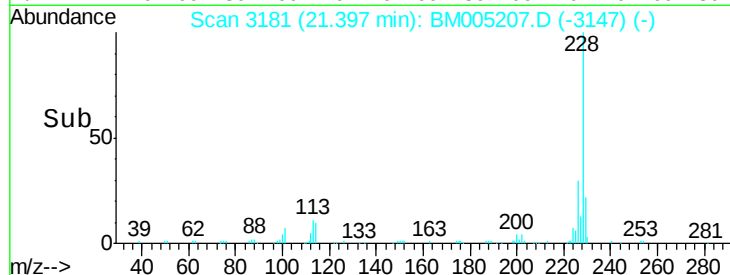
229 22.1 15.5 23.3



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: 9.46 ng/ul

RT: 22.96 min Scan# 3446

Delta R.T. -0.00 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

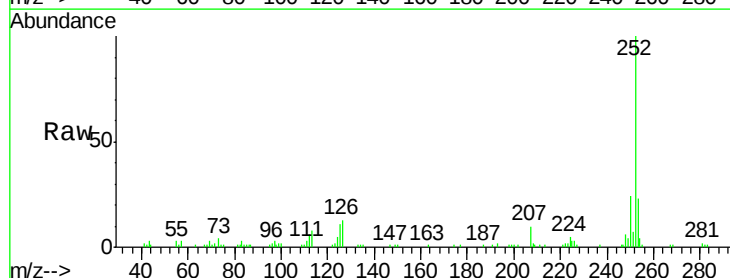
Tgt Ion:252 Resp: 130060

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

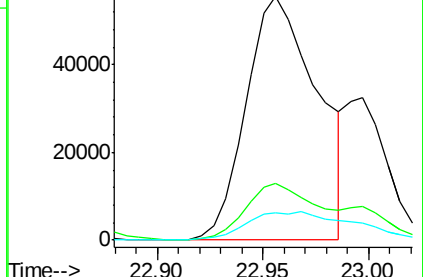
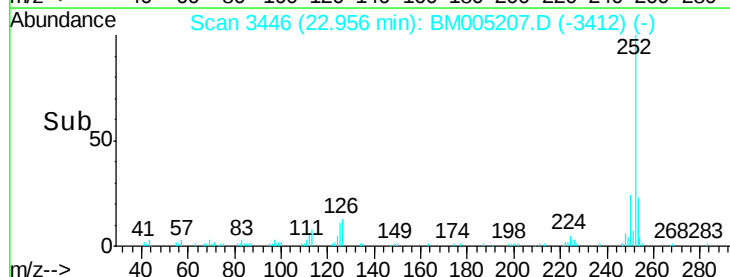
125 11.4 7.8 11.6

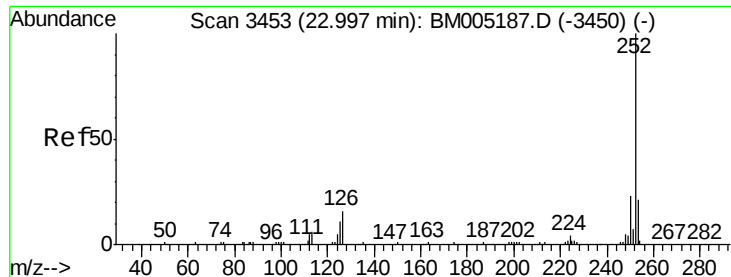


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

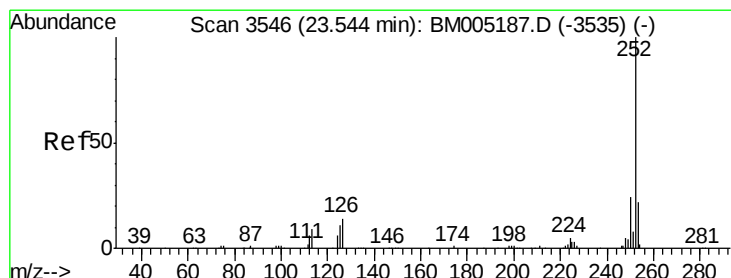
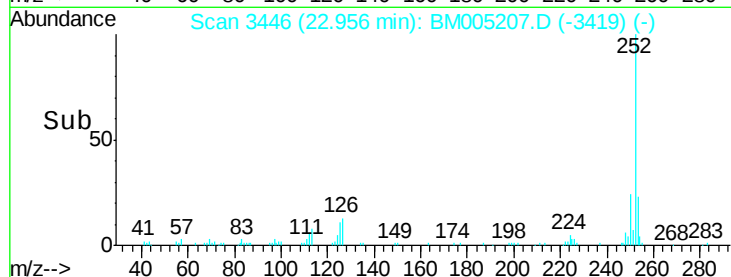
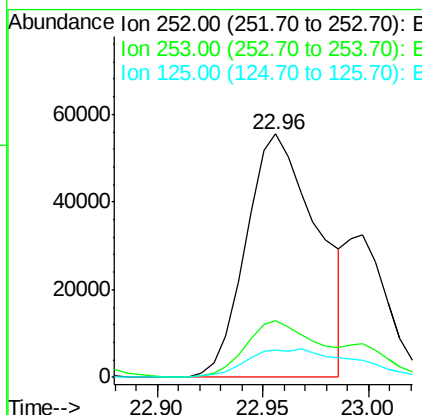
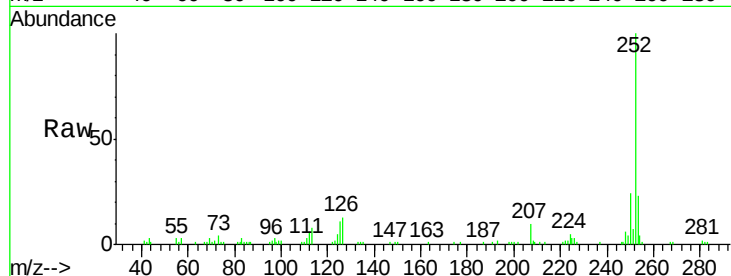




#86
Benzo(k)fluoranthene
Concen: 9.73 ng/ul
RT: 22.96 min Scan# 3446
Delta R.T. -0.04 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

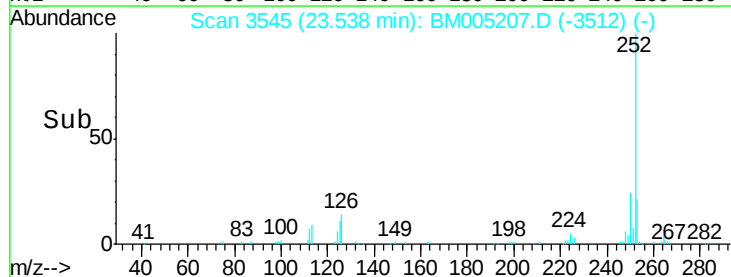
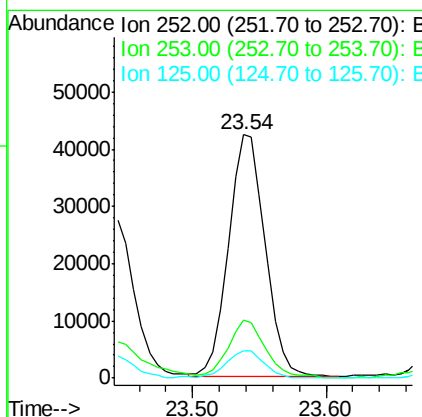
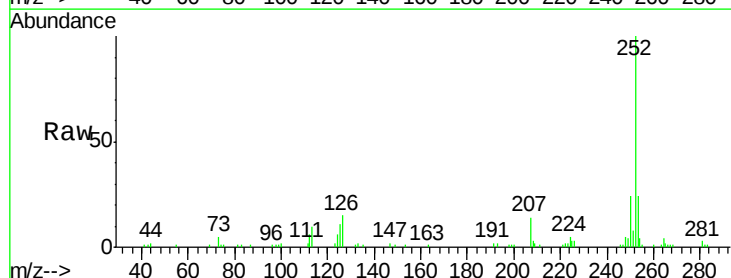
Instrument :
BNA_M
ClientSampleId :
BD3C5

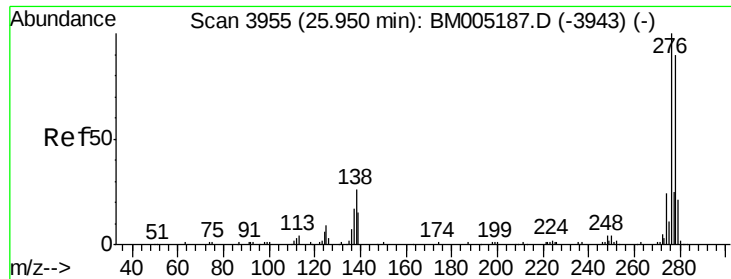
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.4	7.9	11.9



#88
Benzo(a)pyrene
Concen: 6.25 ng/ul
RT: 23.54 min Scan# 3545
Delta R.T. -0.01 min
Lab File: BM005207.D
Acq: 03 May 2016 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	11.3	8.3	12.5





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.80 ng/ul

RT: 25.94 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD3C5

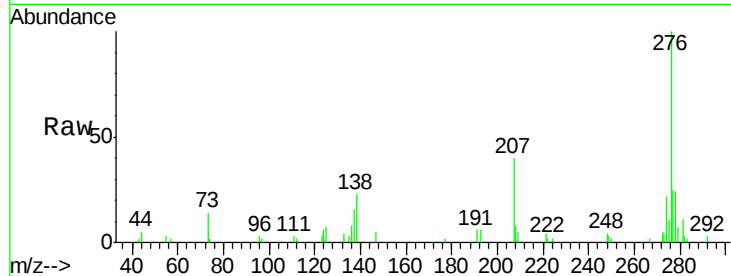
Tgt Ion:276 Resp: 46528

Ion Ratio Lower Upper

276 100

138 23.0 20.2 30.4

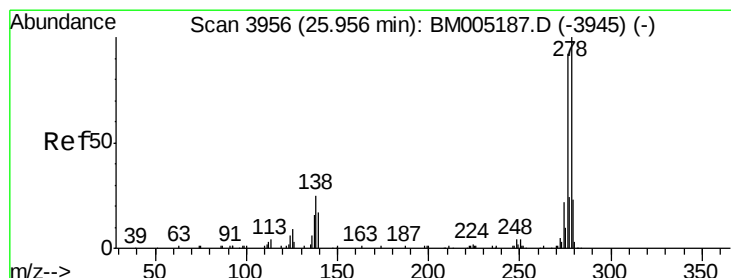
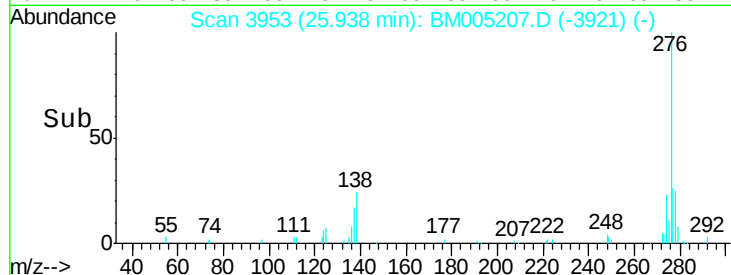
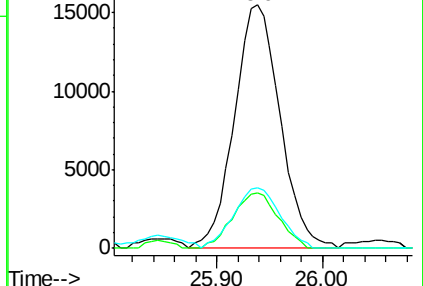
277 25.1 20.4 30.6



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: 1.38 ng/ul

RT: 25.94 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BM005207.D

Acq: 03 May 2016 00:16

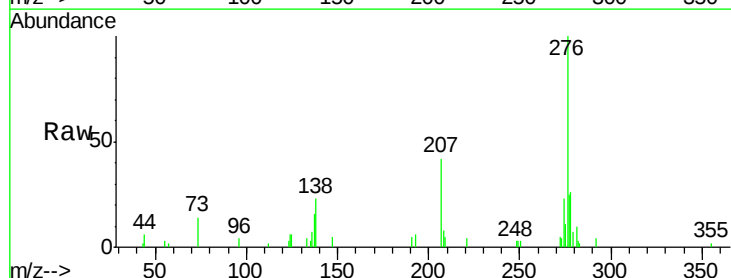
Tgt Ion:278 Resp: 14077

Ion Ratio Lower Upper

278 100

139 0.0 12.6 19.0#

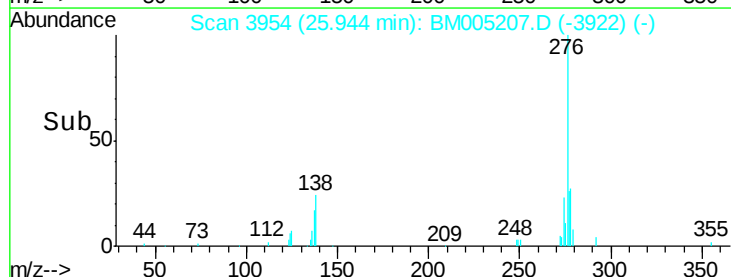
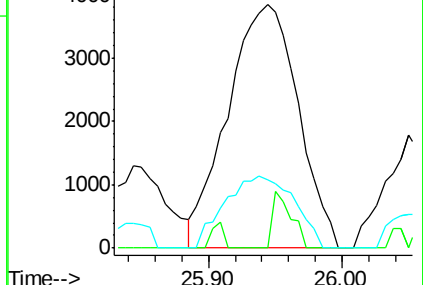
279 27.9 19.1 28.7

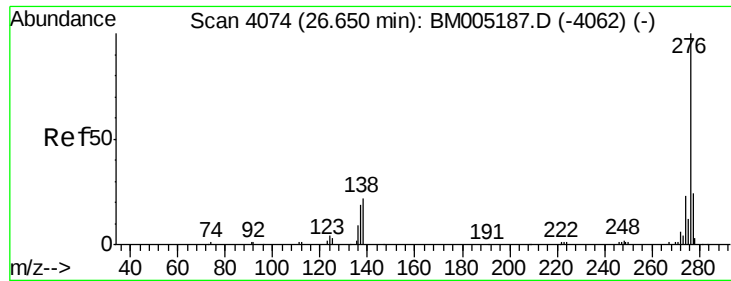


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.64 ng/ul

RT: 26.64 min Scan# 4073

Delta R.T. -0.01 min

Lab File: BM005207.D

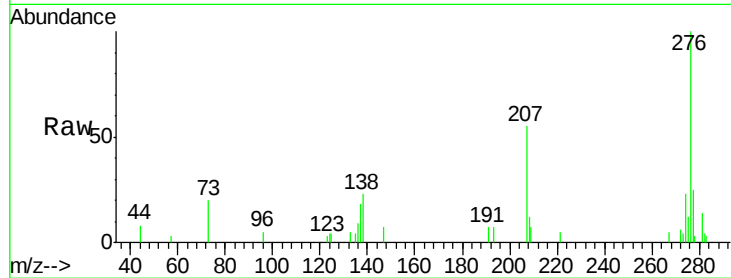
Acq: 03 May 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD3C5



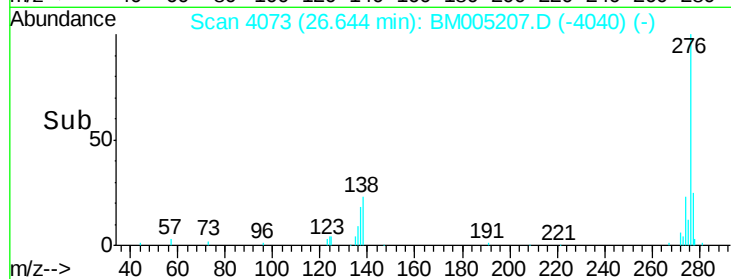
Tgt Ion: 276 Resp: 36422

Ion Ratio Lower Upper

276 100

138 23.0 17.4 26.2

277 25.5 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

