

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110916\
 Data File : BM007805.D
 Acq On : 09 Nov 2016 19:54
 Operator : UM/SJ
 Sample : H5554-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5N90

Quant Time: Nov 09 23:37:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 09 23:34:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	205458	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	769688	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	479937	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	930945	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1167557	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1207740	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	16395	3.42	ng/uL	0.00
5) Phenol-d5	6.92	99	282515	17.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	177178	18.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	231535	19.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	175879	14.17	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	112828	20.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	123681	21.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	218490	18.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	159591	12.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	683998	20.93	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	817346	20.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	70339	13.61	ng/ul	0.00
57) Fluorene-d10	15.37	176	593866	20.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	67567	12.22	ng/ul	0.00
70) Anthracene-d10	17.22	188	912402	21.75	ng/ul	0.00
76) Pyrene-d10	19.52	212	1095606	22.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	1208489	22.92	ng/ul	0.00

Target Compounds

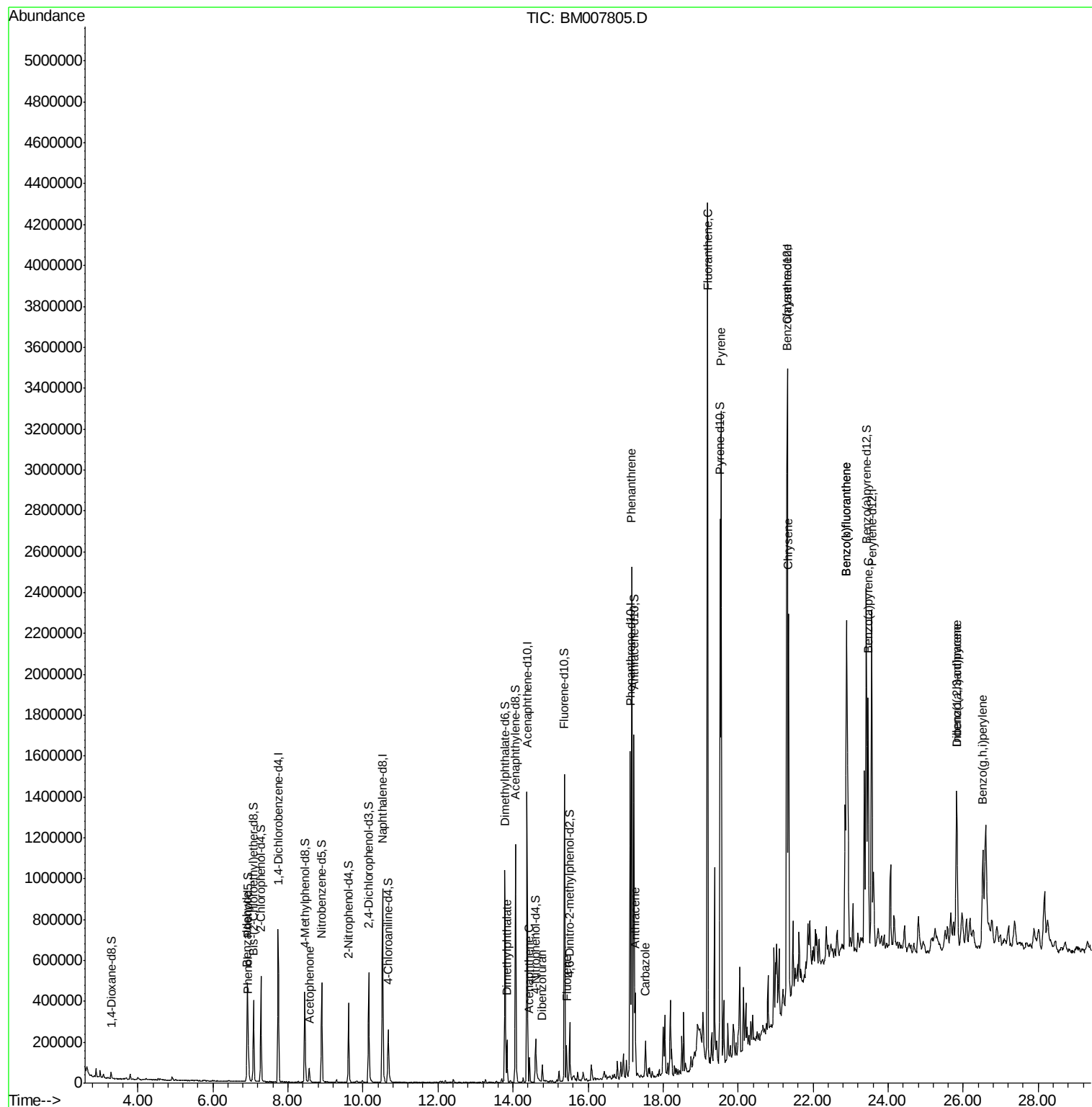
					Qvalue
4) Benzaldehyde	6.90	77	15923	1.59 ng/ul	97
6) Phenol	6.95	94	80341	4.94 ng/ul	98
14) Acetophenone	8.57	105	39215	2.02 ng/ul	97
44) Dimethylphthalate	13.84	163	133988	4.22 ng/ul	98
49) Acenaphthene	14.44	153	49348	1.79 ng/ul	97
53) Dibenzofuran	14.78	168	45095	1.14 ng/ul	100
58) Fluorene	15.43	166	71548	2.27 ng/ul	97
69) Phenanthrene	17.17	178	1482351	29.96 ng/ul	99
71) Anthracene	17.26	178	237968	4.72 ng/ul	98
72) Carbazole	17.53	167	108788	2.49 ng/ul	98
74) Fluoranthene	19.19	202	2548227	44.04 ng/ul	100
77) Pyrene	19.55	202	2037586	33.78 ng/ul	99
80) Benzo(a)anthracene	21.30	228	1002452	16.06 ng/ul	99
82) Chrysene	21.34	228	1069003	17.83 ng/ul	97
85) Benzo(b)fluoranthene	22.89	252	1512853	21.93 ng/ul	99
86) Benzo(k)fluoranthene	22.89	252	1512853	23.83 ng/ul	100
88) Benzo(a)pyrene	23.47	252	948084	14.59 ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.83	276	697928	8.96 ng/ul	97
90) Dibenzo(a,h)anthracene	25.83	278	171286	2.61 ng/ul#	89
91) Benzo(g,h,i)perylene	26.53	276	586558	8.97 ng/ul	98

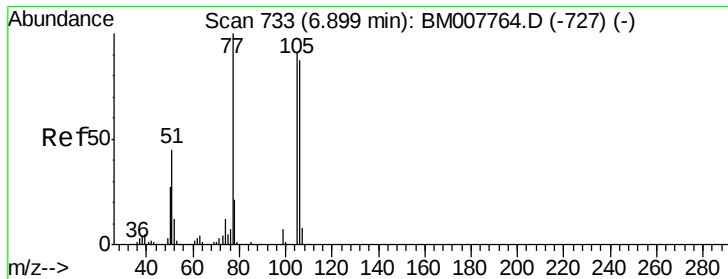
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 09 23:34:58 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.59 ng/ul

RT: 6.90 min Scan# 734

Delta R.T. 0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

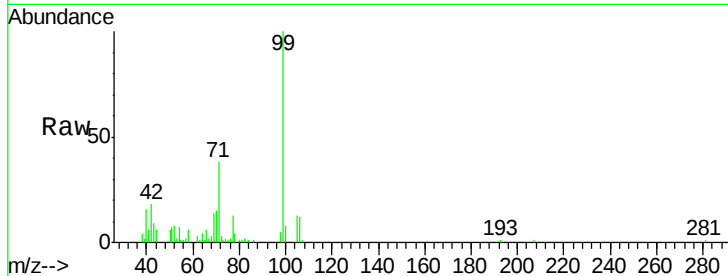
Tgt Ion: 77 Resp: 15923

Ion Ratio Lower Upper

77 100

105 101.4 76.9 115.3

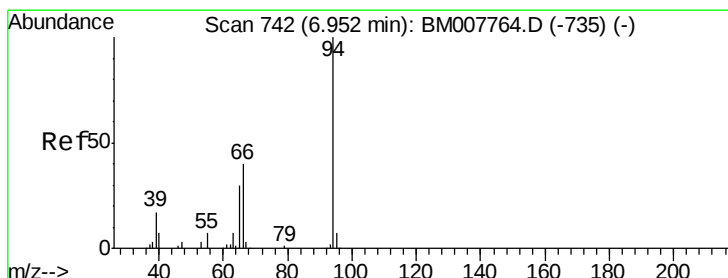
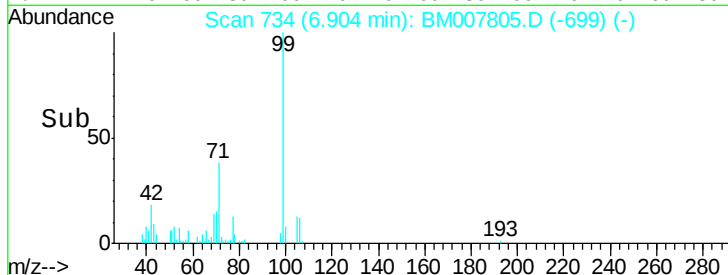
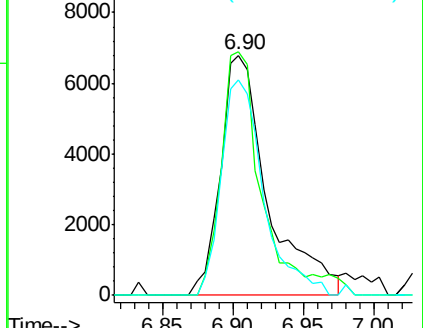
106 89.9 71.8 107.8



Abundance Ion 77.00 (76.70 to 77.70): BM007764.D (-727) (-)

Ion 105.00 (104.70 to 105.70): BM007764.D (-727) (-)

Ion 106.00 (105.70 to 106.70): BM007764.D (-727) (-)



#6

Phenol

Concen: 4.94 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

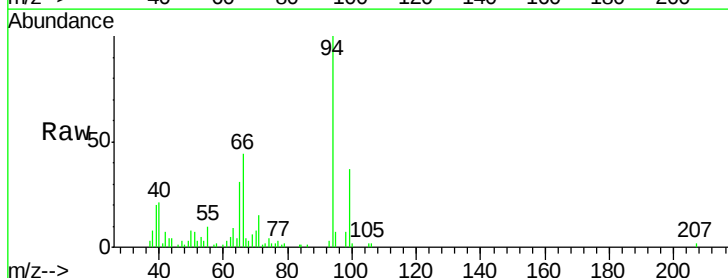
Tgt Ion: 94 Resp: 80341

Ion Ratio Lower Upper

94 100

65 30.8 23.9 35.9

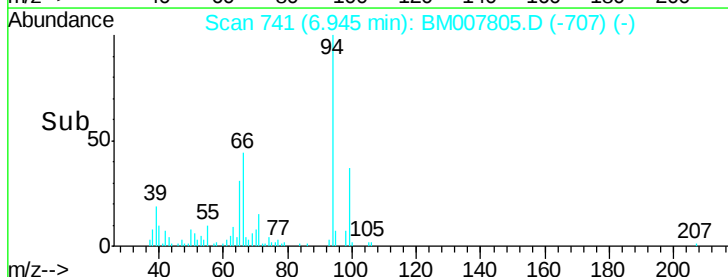
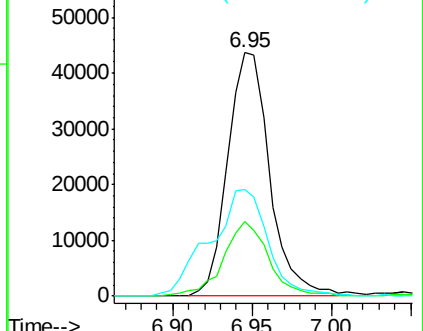
66 43.7 33.5 50.3

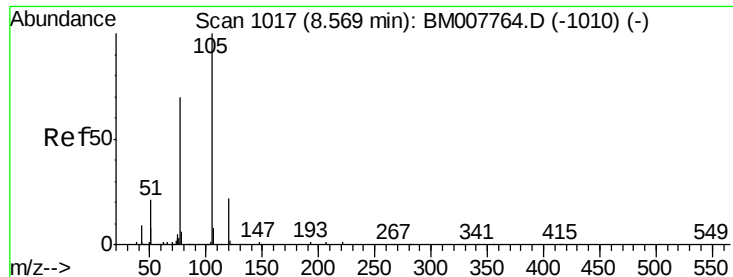


Abundance Ion 94.00 (93.70 to 94.70): BM007764.D (-735) (-)

Ion 65.00 (64.70 to 65.70): BM007764.D (-735) (-)

Ion 66.00 (65.70 to 66.70): BM007764.D (-735) (-)





#14

Acetophenone

Concen: 2.02 ng/ul

RT: 8.57 min Scan# 1017

Delta R.T. 0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

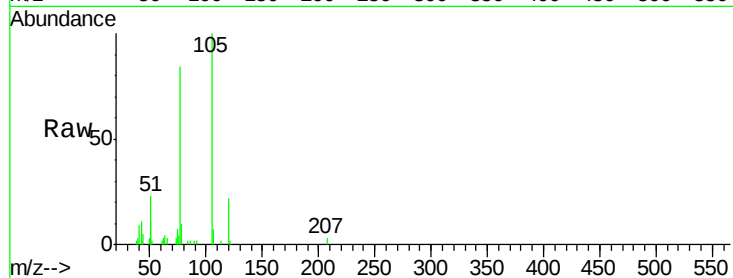
Tgt Ion:105 Resp: 39215

Ion Ratio Lower Upper

105 100

77 83.6 65.9 98.9

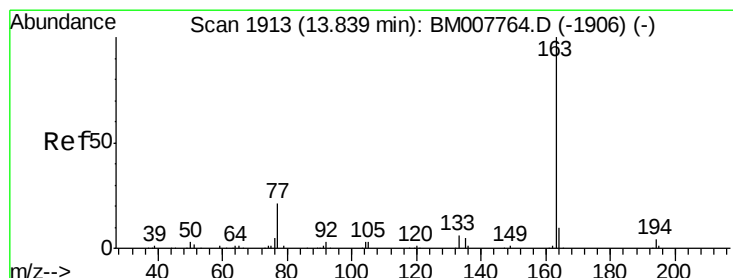
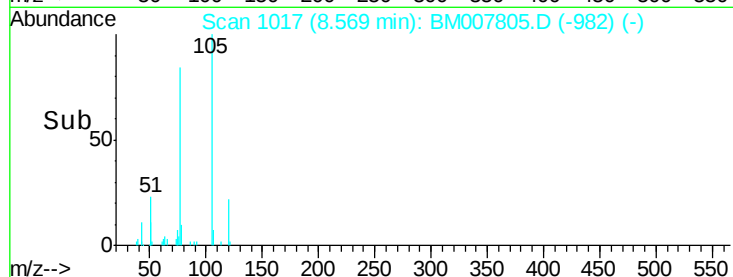
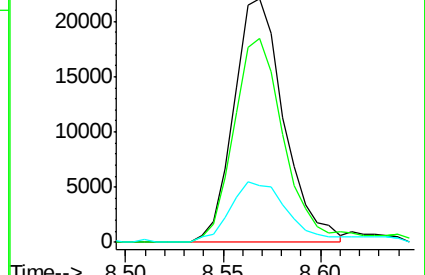
51 23.3 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#44

Dimethylphthalate

Concen: 4.22 ng/ul

RT: 13.84 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

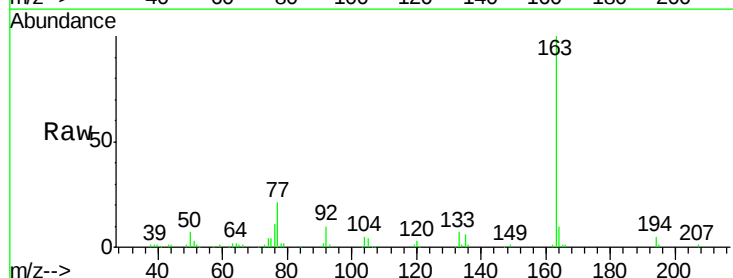
Tgt Ion:163 Resp: 133988

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.2

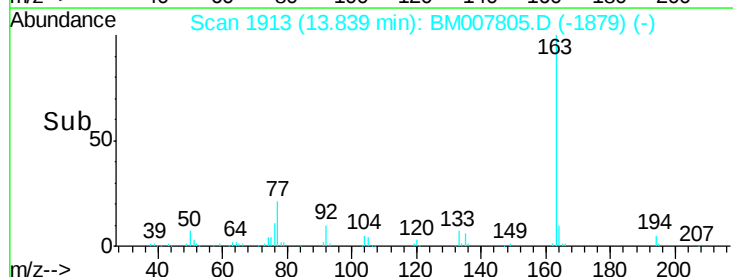
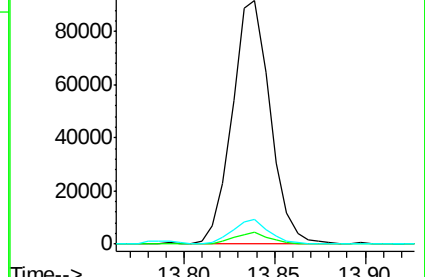
164 10.3 7.8 11.8

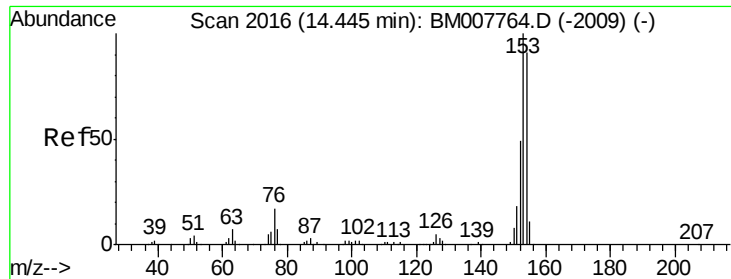


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.79 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

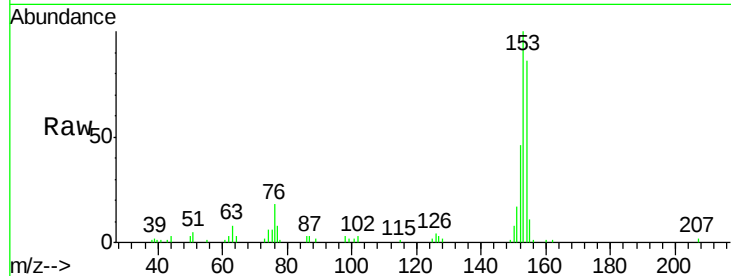
Tgt Ion:153 Resp: 49348

Ion Ratio Lower Upper

153 100

152 46.0 37.8 56.6

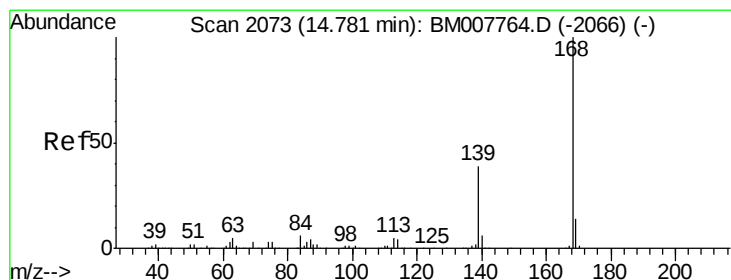
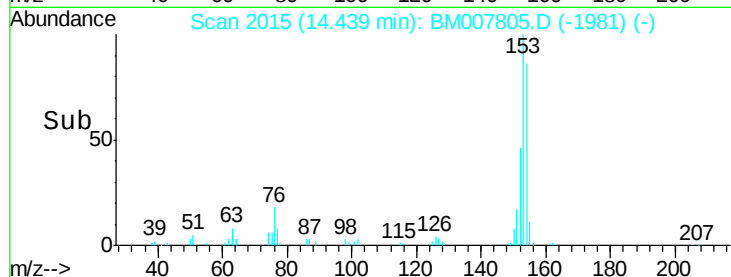
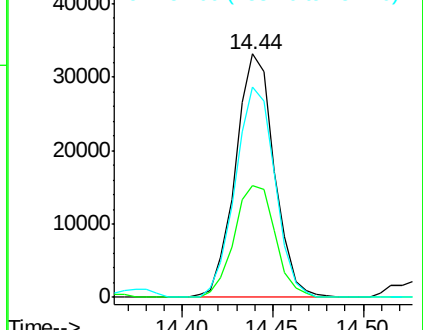
154 86.2 71.4 107.0



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



#53

Dibenzofuran

Concen: 1.14 ng/ul

RT: 14.78 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BM007805.D

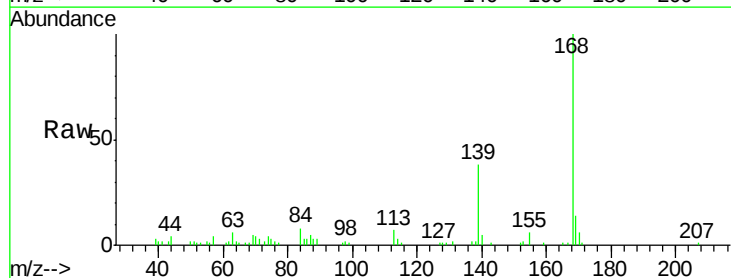
Acq: 09 Nov 2016 19:54

Tgt Ion:168 Resp: 45095

Ion Ratio Lower Upper

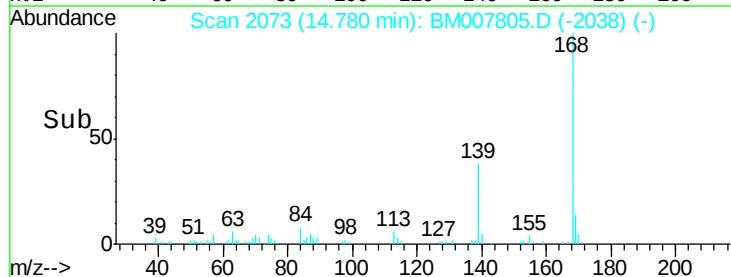
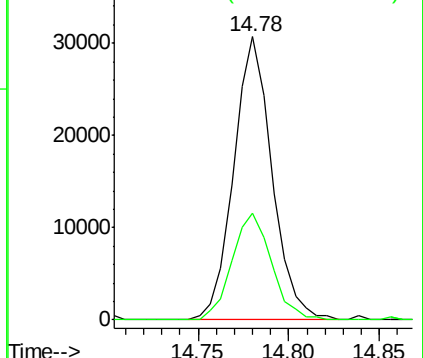
168 100

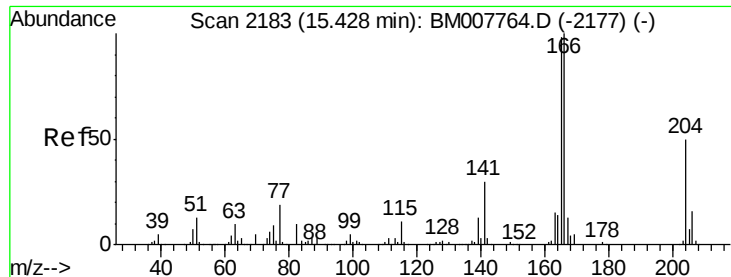
139 37.6 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.27 ng/ul

RT: 15.43 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

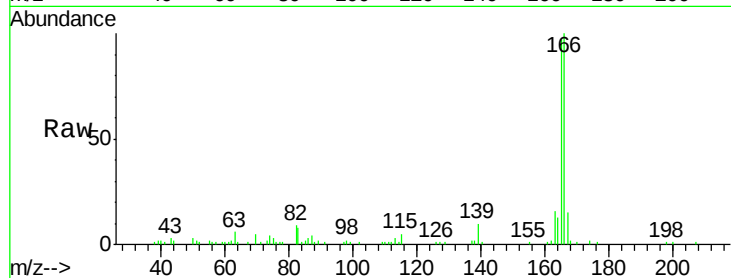
Tgt Ion:166 Resp: 71548

Ion Ratio Lower Upper

166 100

165 96.7 79.9 119.9

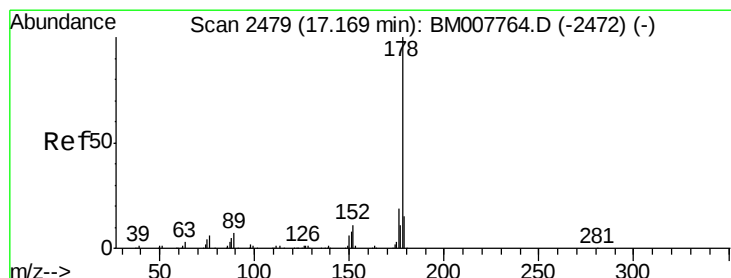
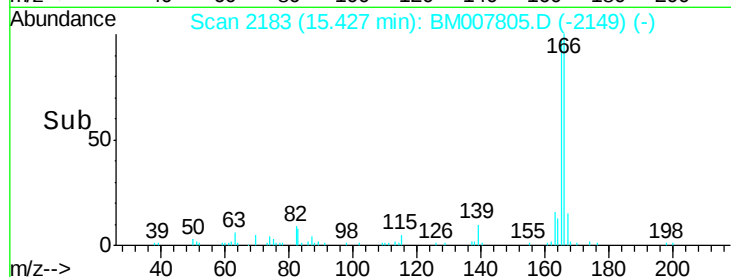
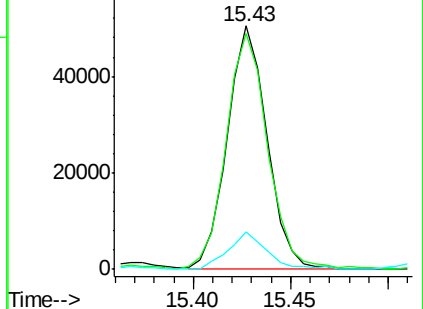
167 15.5 10.5 15.7



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: 29.96 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

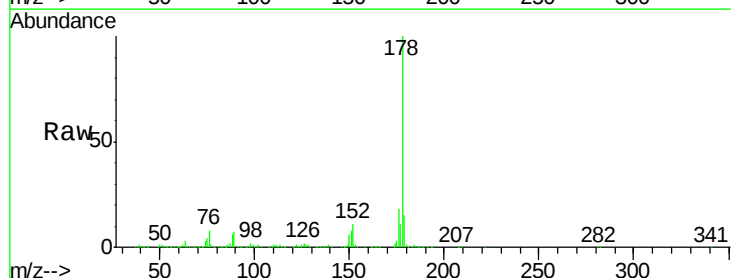
Tgt Ion:178 Resp: 1482351

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

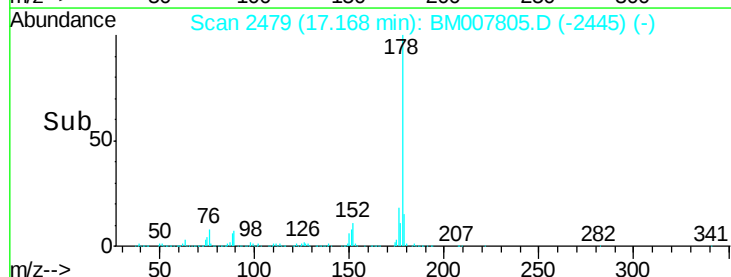
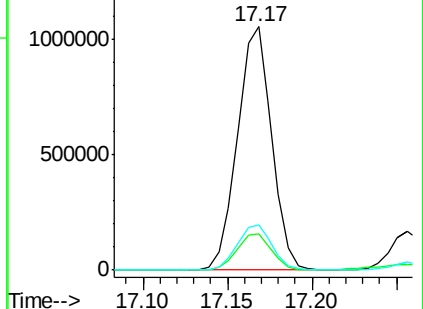
176 18.5 15.1 22.7

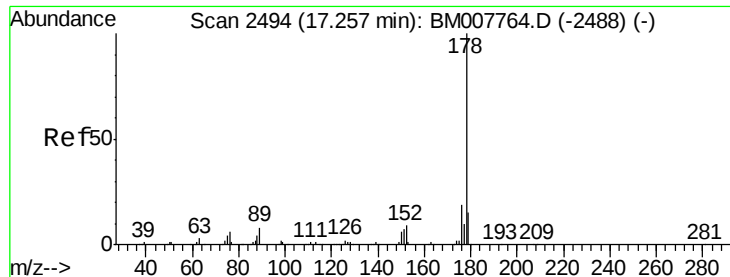


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

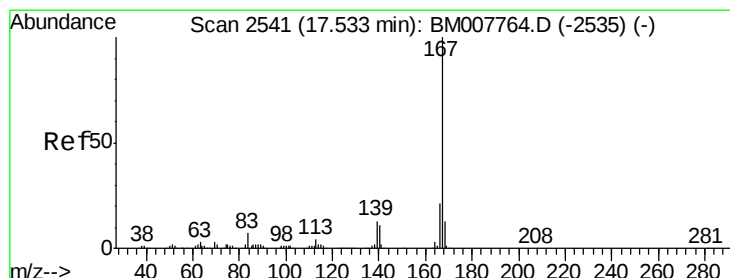
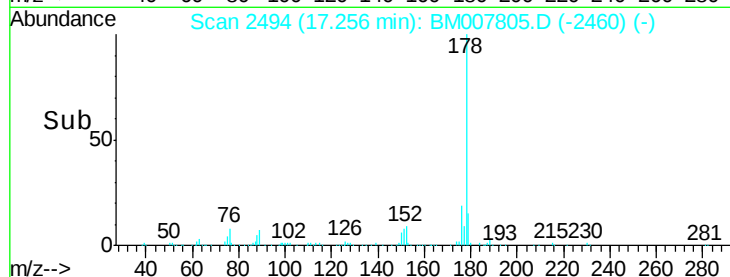
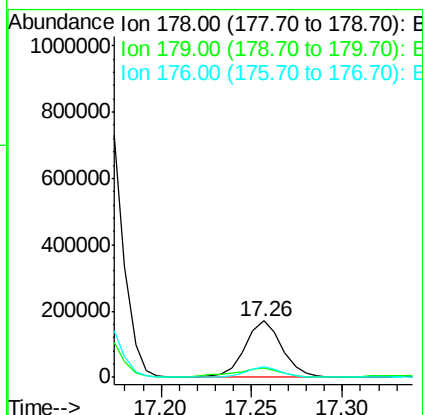
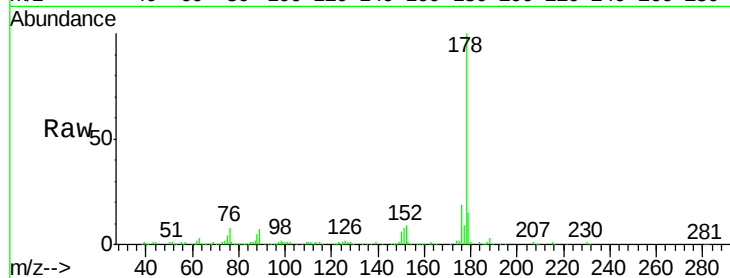




#71
 Anthracene
 Concen: 4.72 ng/ul
 RT: 17.26 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BM007805.D
 Acq: 09 Nov 2016 19:54

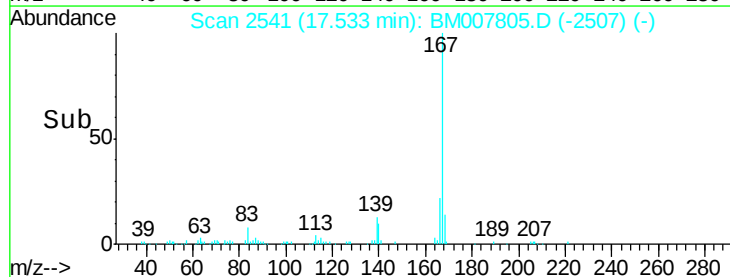
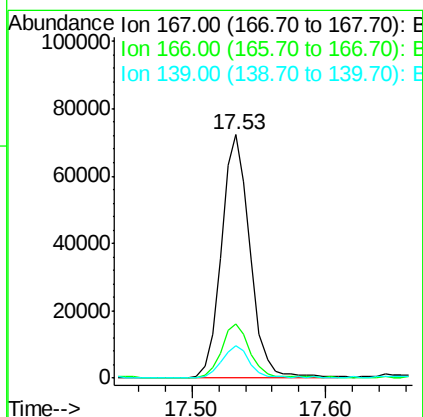
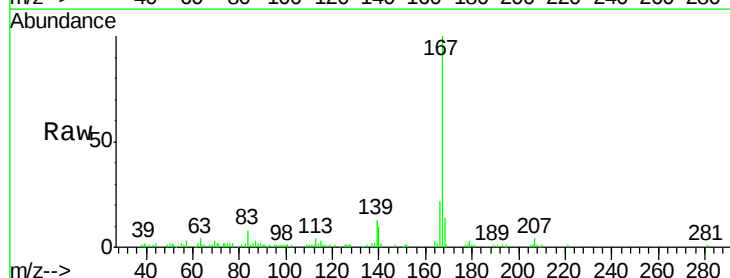
Instrument :
 BNA_M
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 E5N90

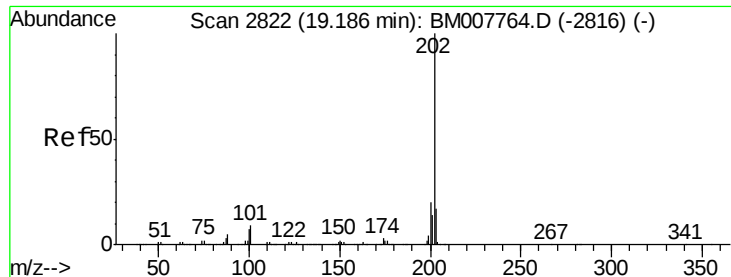
Tgt Ion:178 Resp: 237968
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.1 18.1
 176 19.0 14.5 21.7



#72
 Carbazole
 Concen: 2.49 ng/ul
 RT: 17.53 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BM007805.D
 Acq: 09 Nov 2016 19:54

Tgt Ion:167 Resp: 108788
 Ion Ratio Lower Upper
 167 100
 166 22.2 16.6 25.0
 139 13.3 10.2 15.4





#74

Fluoranthene

Concen: 44.04 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

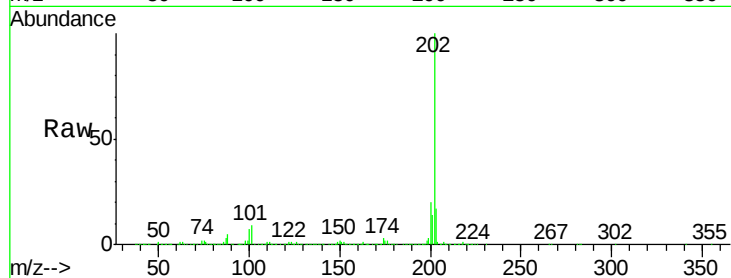
Tgt Ion:202 Resp: 2548227

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

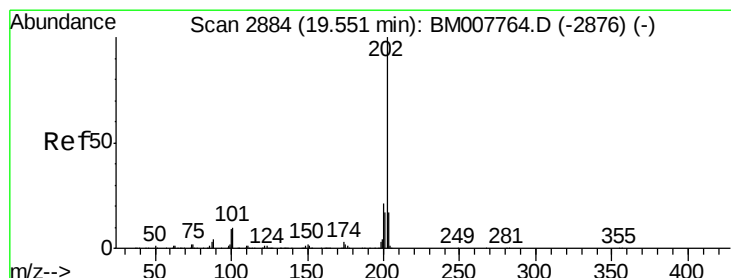
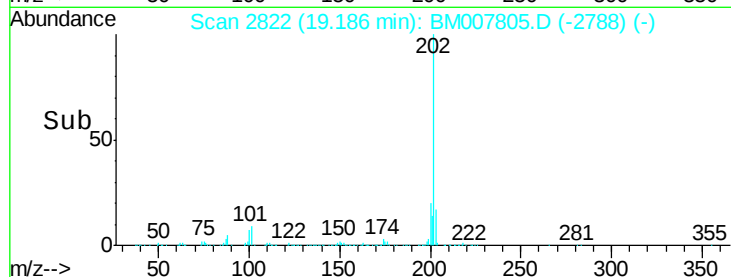
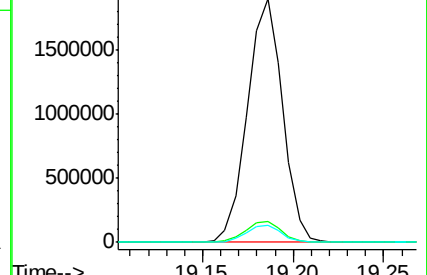
100 6.8 5.4 8.0



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: 33.78 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

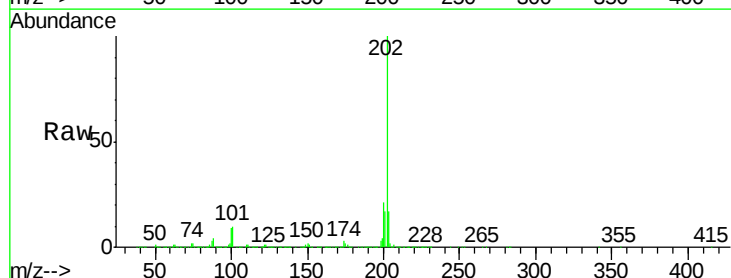
Tgt Ion:202 Resp: 2037586

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

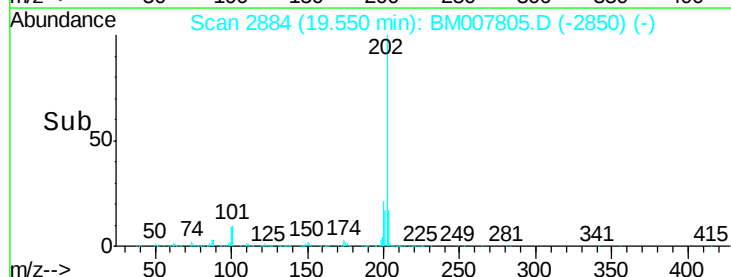
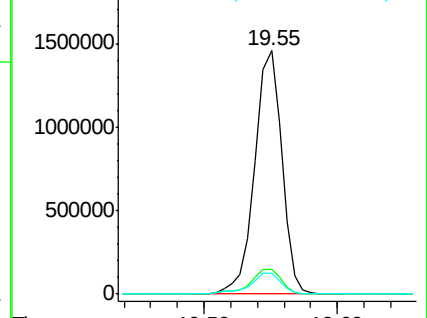
100 8.6 6.9 10.3

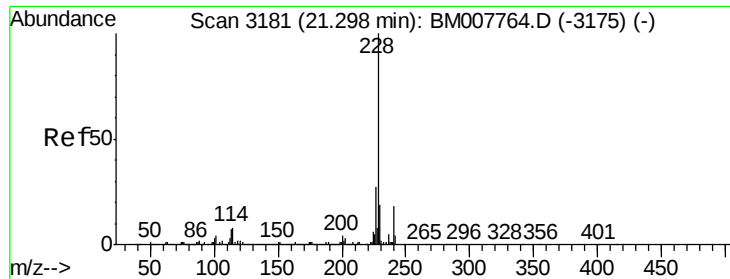


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.06 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

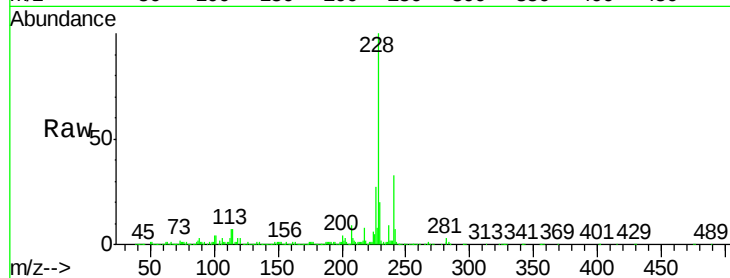
Tgt Ion:228 Resp: 1002452

Ion Ratio Lower Upper

228 100

229 20.0 15.6 23.4

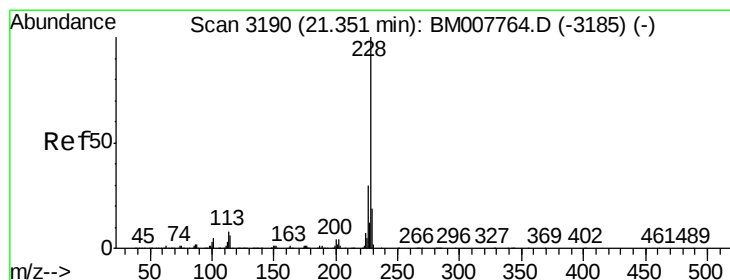
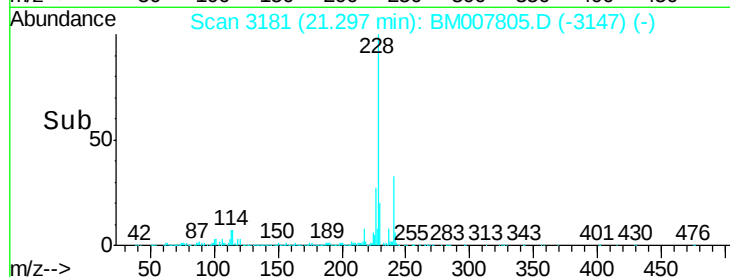
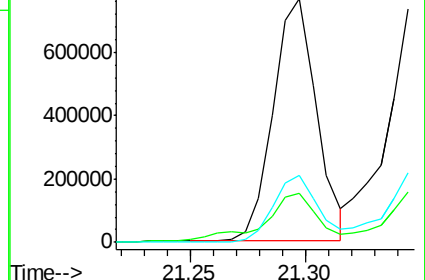
226 27.3 21.8 32.8



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: 17.83 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

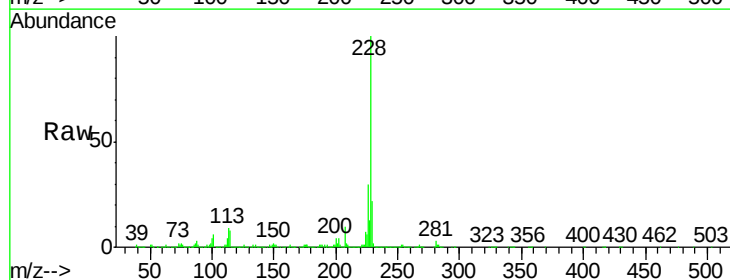
Tgt Ion:228 Resp: 1069003

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

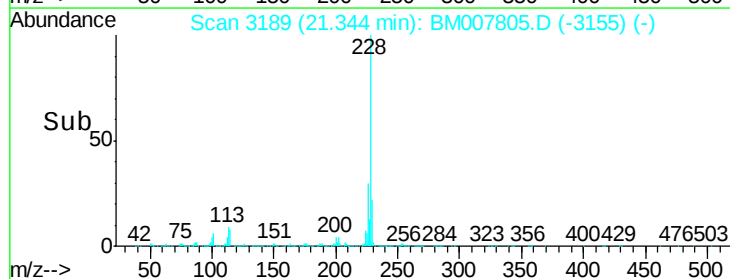
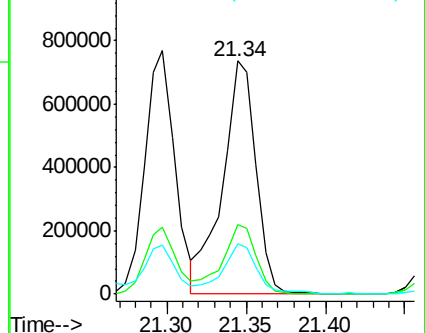
229 21.8 15.5 23.3

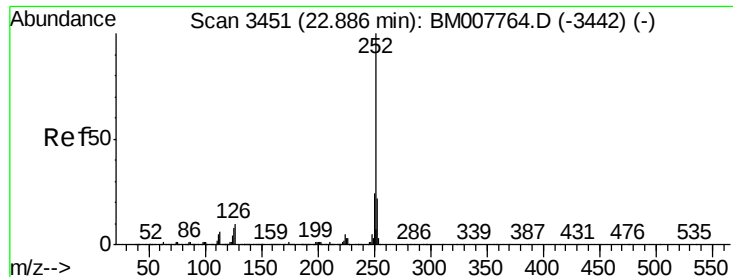


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 21.93 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

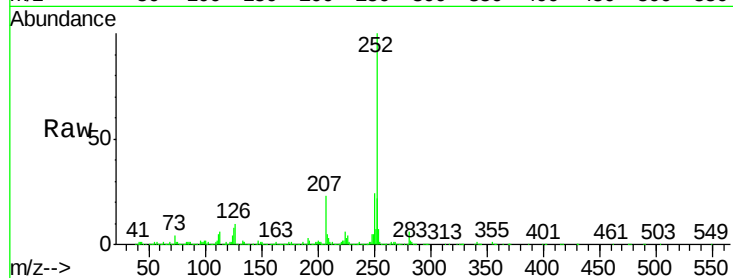
Tgt Ion:252 Resp: 1512853

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

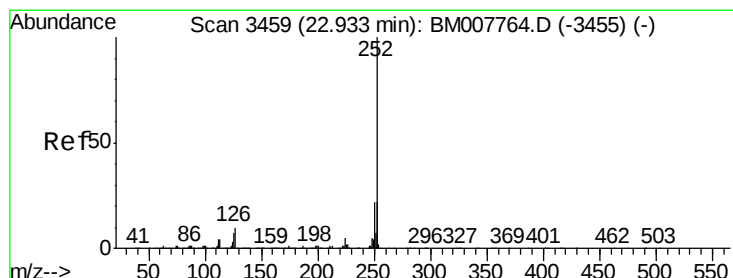
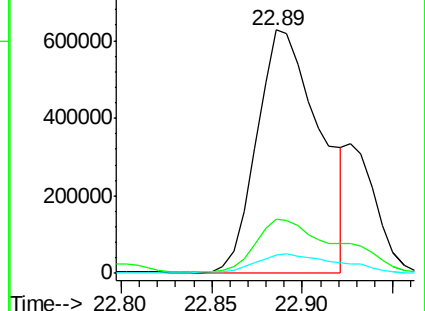
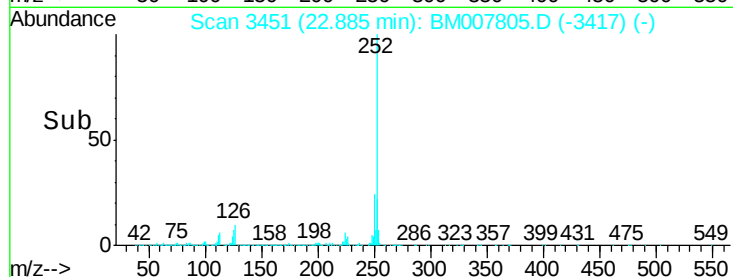
125 7.6 5.8 8.8



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: 23.83 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. -0.05 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

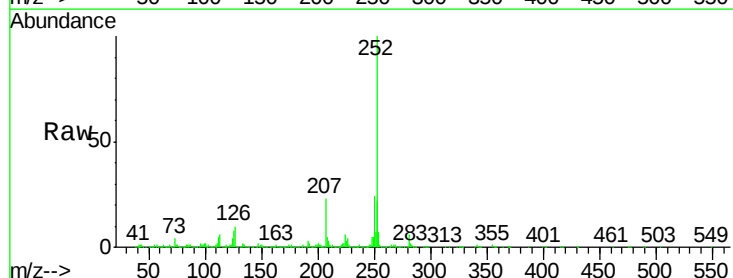
Tgt Ion:252 Resp: 1512853

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

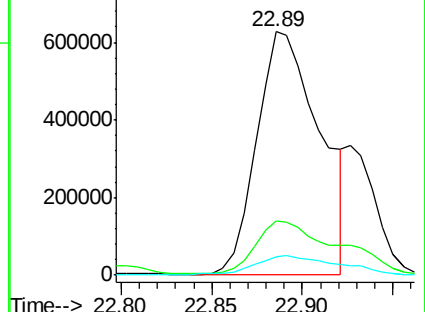
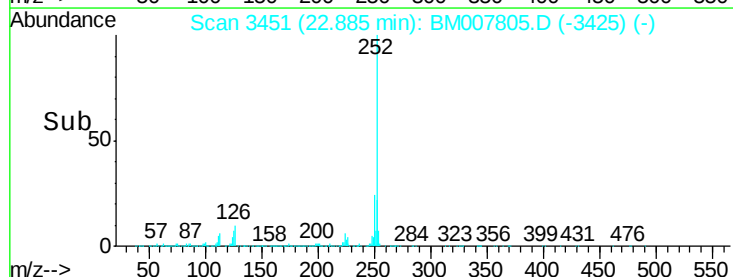
125 7.6 5.7 8.5

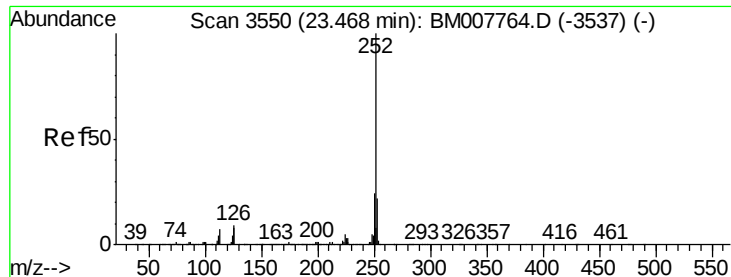


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 14.59 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. 0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

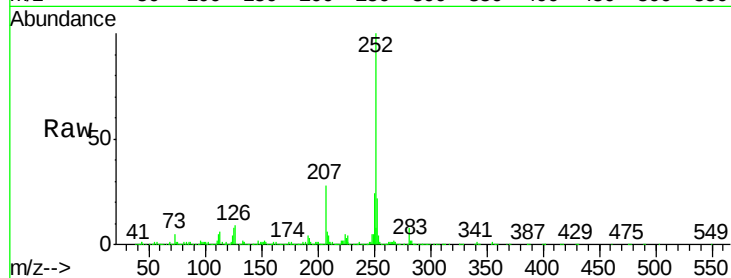
Tgt Ion:252 Resp: 948084

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

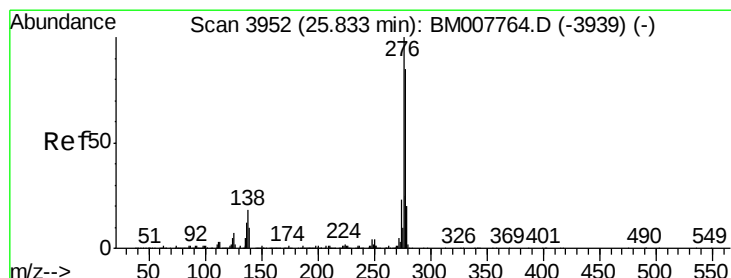
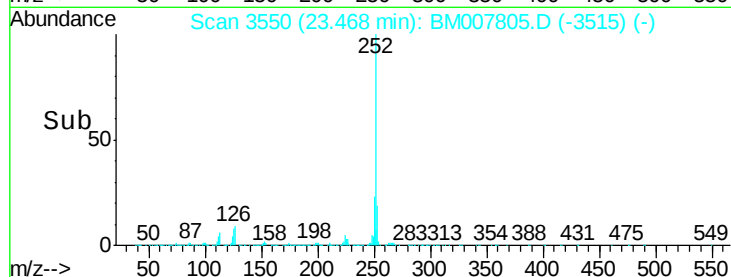
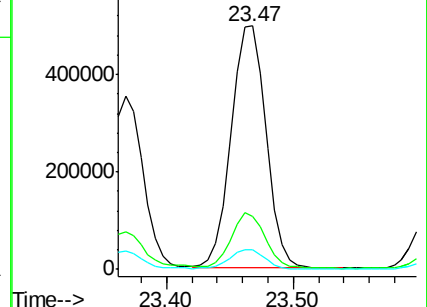
125 8.0 6.6 9.8



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: 8.96 ng/ul

RT: 25.83 min Scan# 3951

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

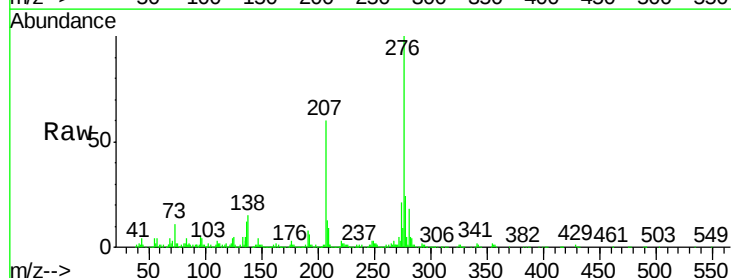
Tgt Ion:276 Resp: 697928

Ion Ratio Lower Upper

276 100

138 15.0 13.9 20.9

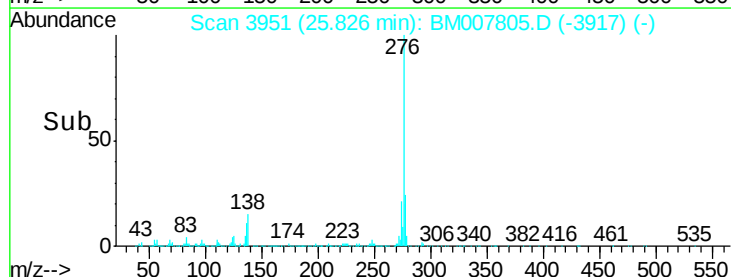
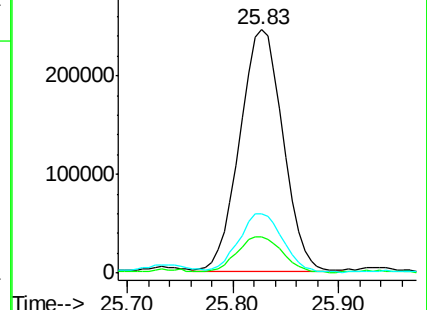
277 24.4 20.1 30.1

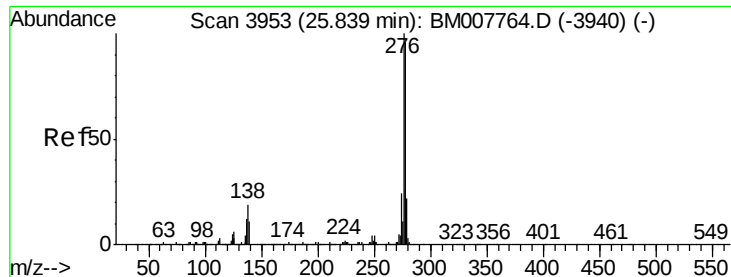


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.61 ng/ul

RT: 25.83 min Scan# 3951

Delta R.T. -0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

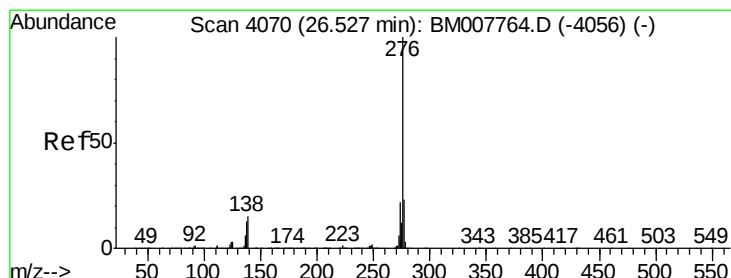
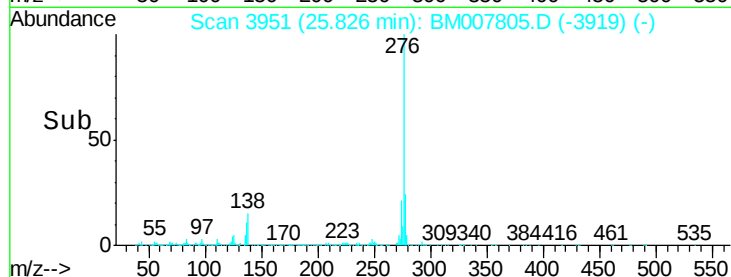
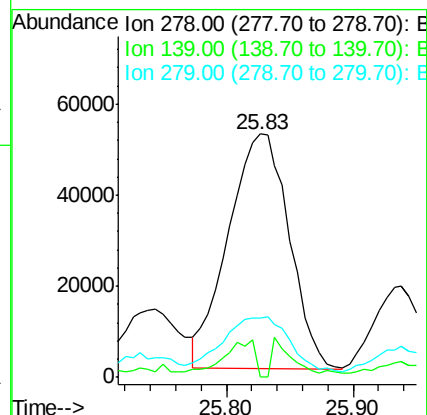
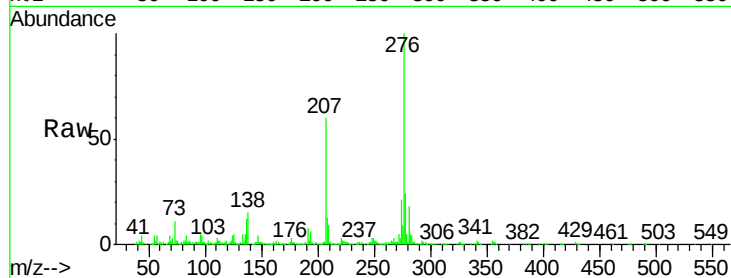
Tgt Ion:278 Resp: 171286

Ion Ratio Lower Upper

278 100

139 0.0 9.5 14.3#

279 24.6 19.1 28.7



#91

Benzo(g,h,i)perylene

Concen: 8.97 ng/ul

RT: 26.53 min Scan# 4070

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Tgt Ion:276 Resp: 586558

Ion Ratio Lower Upper

276 100

138 14.8 13.5 20.3

277 24.1 19.3 28.9

