

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
 Data File : BM007109.D
 Acq On : 14 Aug 2016 15:54
 Operator : UM/SJ
 Sample : H4387-11
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS003-0612-01

Quant Time: Aug 15 10:28:35 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 00:47:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	299304	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1171228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	678850	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1566133	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1836646	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	2027834	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	31899	4.66	ng/uL	0.00
5) Phenol-d5	6.97	99	664775	27.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	388008	27.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	553846	28.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	484197	24.27	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	265336	31.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	300414	33.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	558002	29.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	552680	24.40	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1636236	29.17	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	2067931	30.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	250982	24.96	ng/ul	0.00
57) Fluorene-d10	15.43	176	1447238	29.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	140250	16.21	ng/ul	0.00
70) Anthracene-d10	17.29	188	2274953	31.36	ng/ul	0.00
76) Pyrene-d10	19.58	212	2603280	33.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	2889686	31.15	ng/ul	0.00

Target Compounds

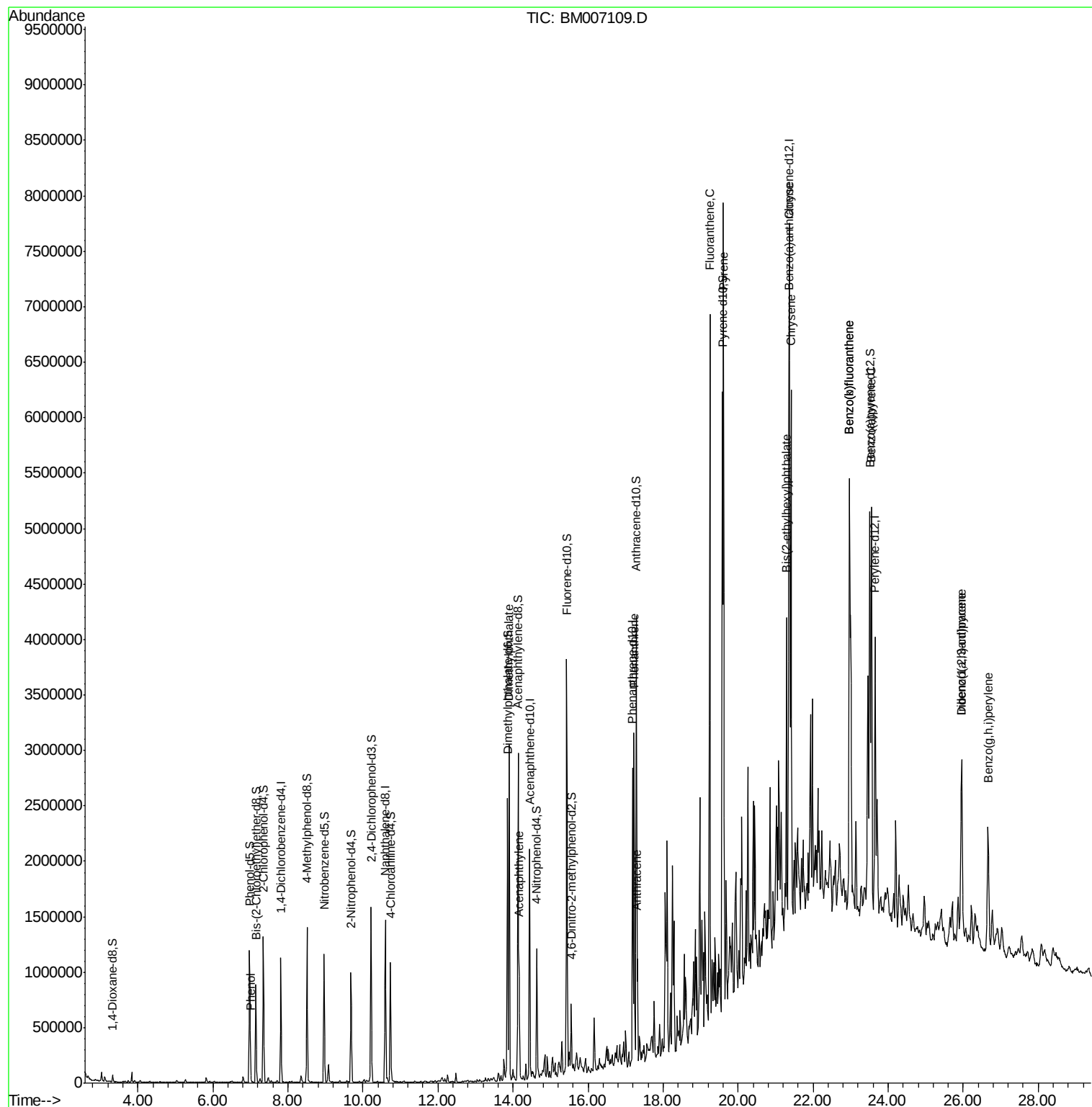
						Qvalue
6) Phenol	7.00	94	61761	2.42	ng/ul	96
44) Dimethylphthalate	13.90	163	1803493	32.17	ng/ul	100
47) Acenaphthylene	14.16	152	702400	10.13	ng/ul	99
69) Phenanthrene	17.23	178	1784870	21.19	ng/ul	100
71) Anthracene	17.32	178	619056	7.16	ng/ul	99
74) Fluoranthene	19.24	202	3649006	35.72	ng/ul	99
77) Pyrene	19.61	202	4442291	43.75	ng/ul	98
80) Benzo(a)anthracene	21.36	228	2856143	26.32	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.29	149	1001633	17.14	ng/ul	98
82) Chrysene	21.41	228	2679495	27.02	ng/ul	96
85) Benzo(b)fluoranthene	22.97	252	3277603	26.83	ng/ul	97
86) Benzo(k)fluoranthene	22.97	252	3277603	28.57	ng/ul	98
88) Benzo(a)pyrene	23.56	252	2666435	23.03	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.96	276	1724629	12.15	ng/ul	98
90) Dibenzo(a,h)anthracene	25.96	278	479611	4.03	ng/ul#	92
91) Benzo(g,h,i)perylene	26.66	276	1564707	13.04	ng/ul	98

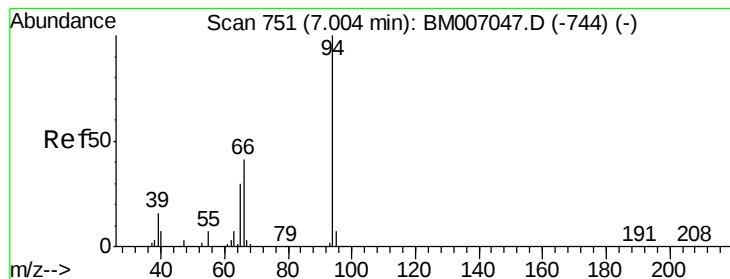
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.42 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

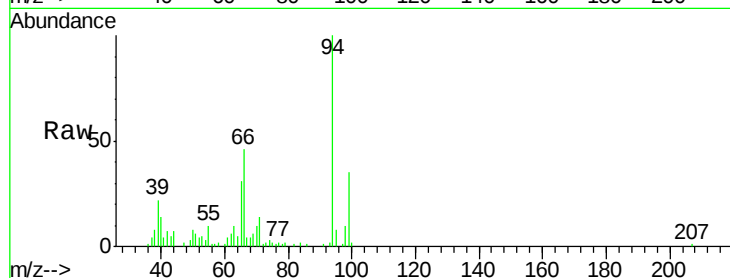
Tgt Ion: 94 Resp: 61761

Ion Ratio Lower Upper

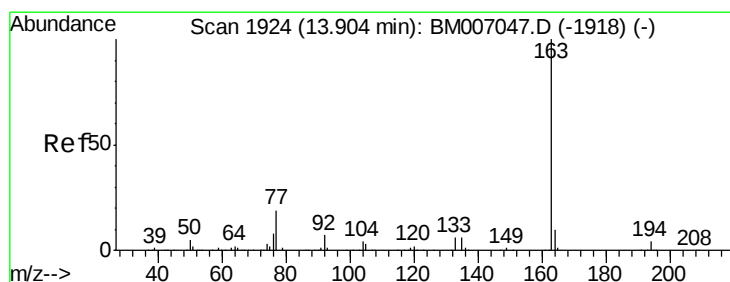
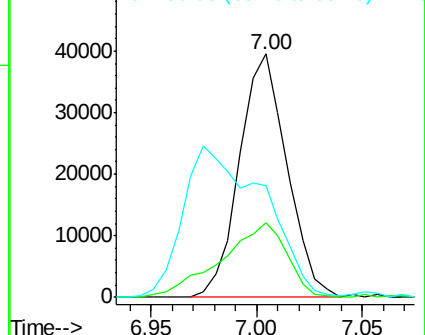
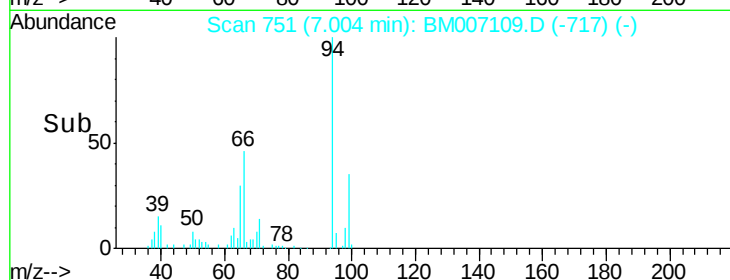
94 100

65 30.8 23.9 35.9

66 45.7 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007109.D (-717) (-)



#44

Dimethylphthalate

Concen: 32.17 ng/ul

RT: 13.90 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

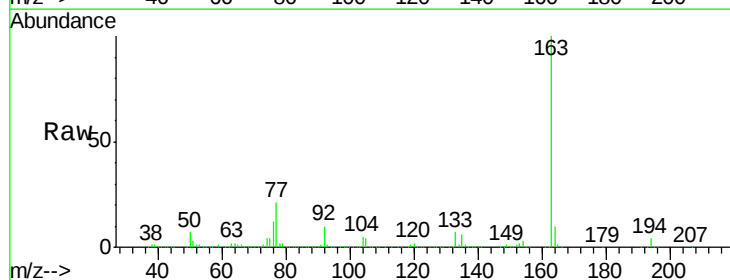
Tgt Ion: 163 Resp: 1803493

Ion Ratio Lower Upper

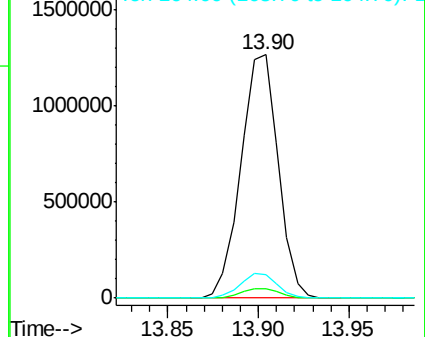
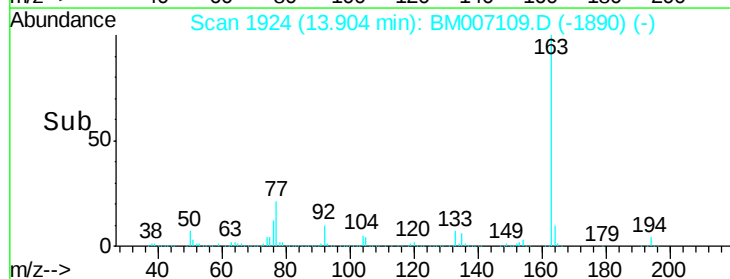
163 100

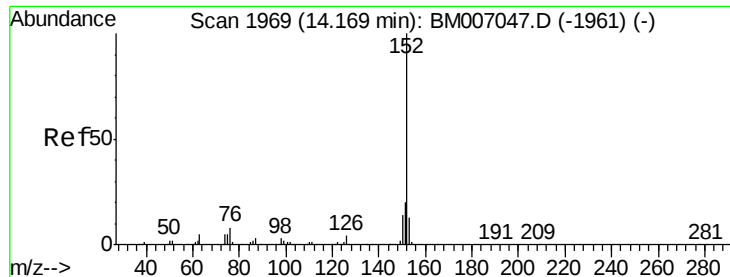
194 4.1 3.4 5.2

164 9.8 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): BM007109.D (-1890) (-)





#47

Acenaphthylene

Concen: 10.13 ng/ul

RT: 14.16 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

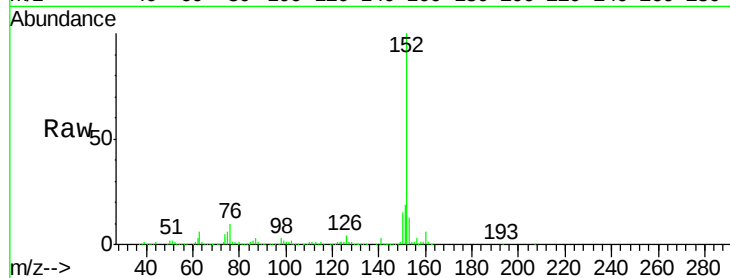
Tgt Ion:152 Resp: 702400

Ion Ratio Lower Upper

152 100

151 19.5 16.0 24.0

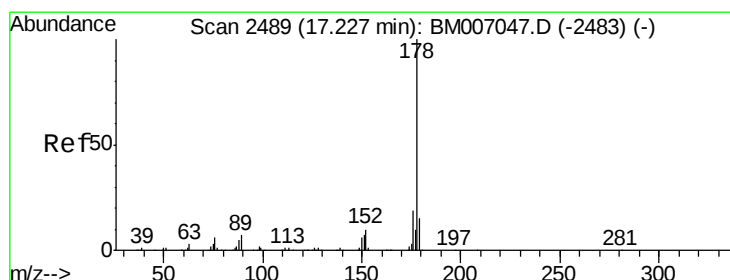
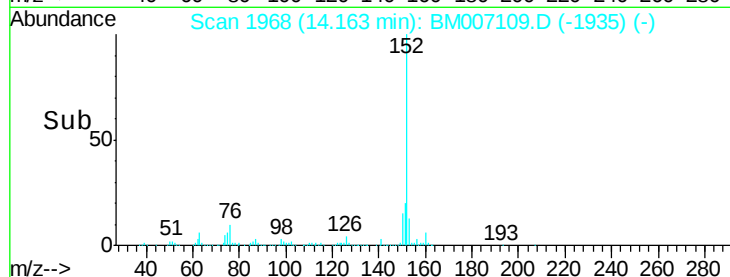
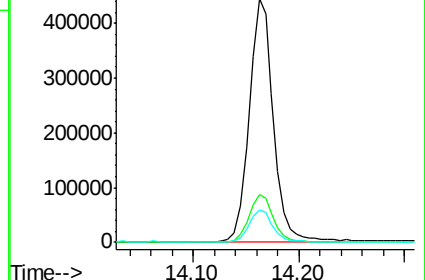
153 13.5 11.0 16.6



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



#69

Phenanthrene

Concen: 21.19 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

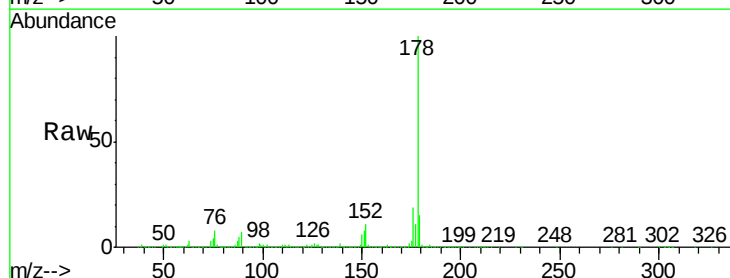
Tgt Ion:178 Resp: 1784870

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

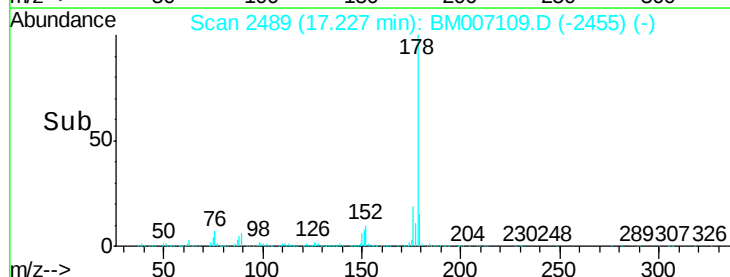
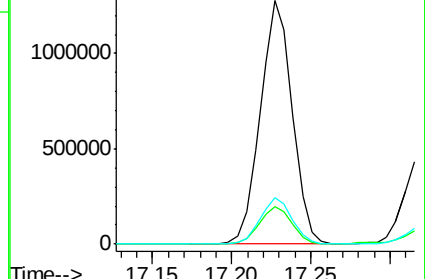
176 18.9 15.1 22.7

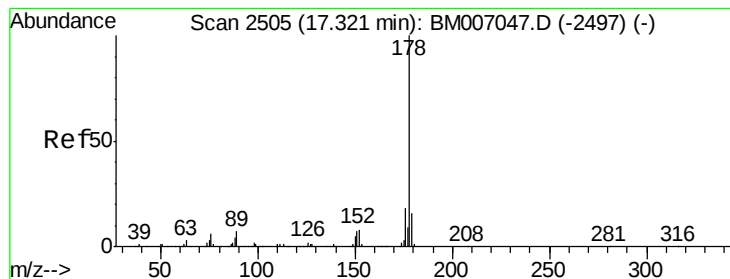


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.16 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

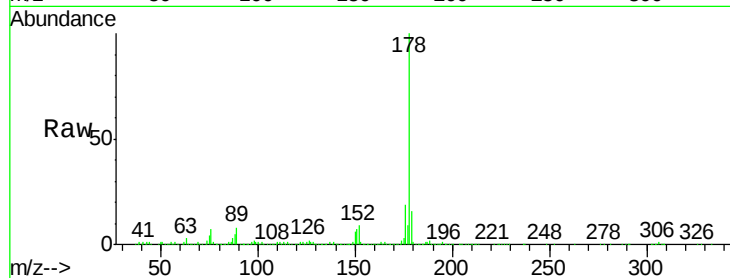
Tgt Ion:178 Resp: 619056

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

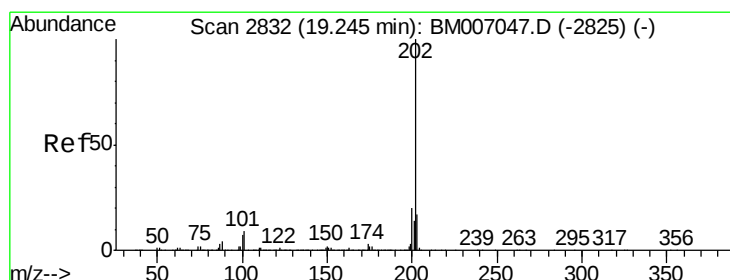
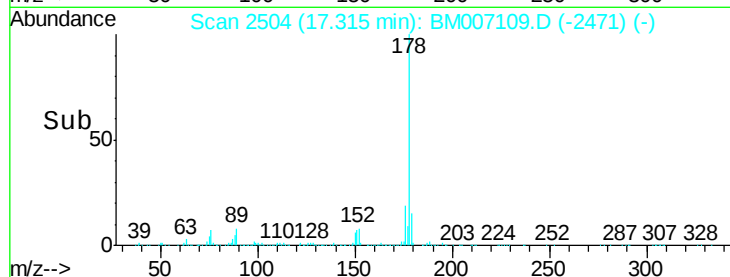
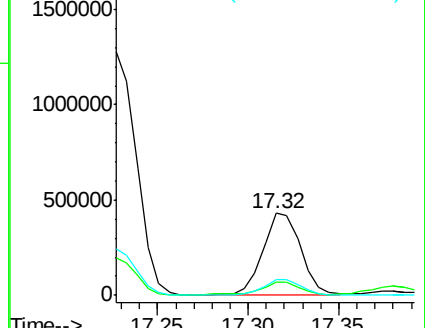
176 18.7 14.5 21.7



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



#74

Fluoranthene

Concen: 35.72 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

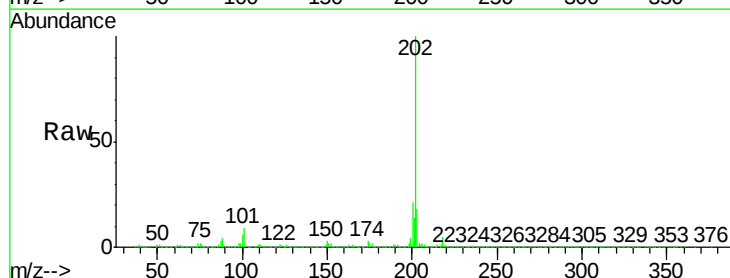
Tgt Ion:202 Resp: 3649006

Ion Ratio Lower Upper

202 100

101 8.6 6.9 10.3

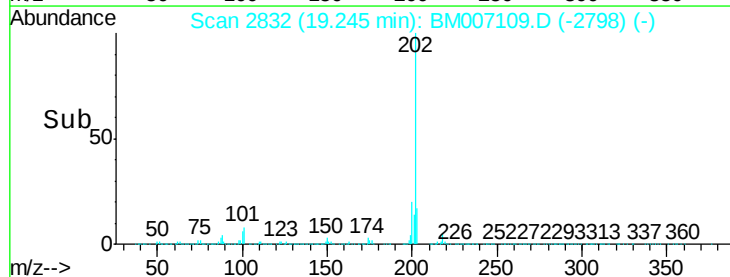
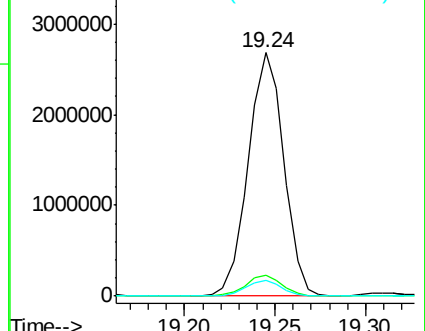
100 6.3 5.4 8.0

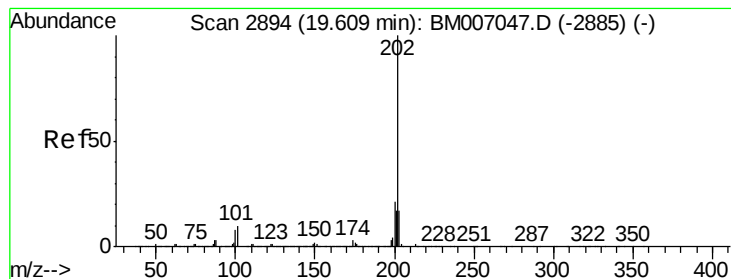


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 43.75 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

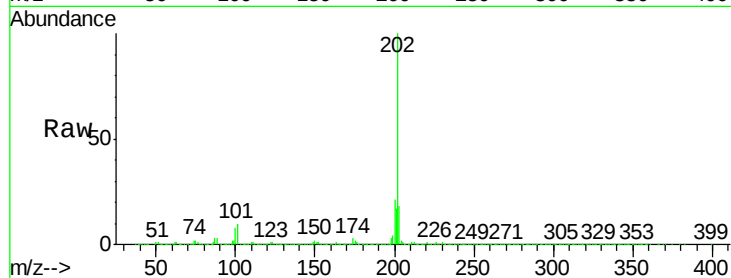
Tgt Ion:202 Resp: 4442291

Ion Ratio Lower Upper

202 100

101 9.9 8.4 12.6

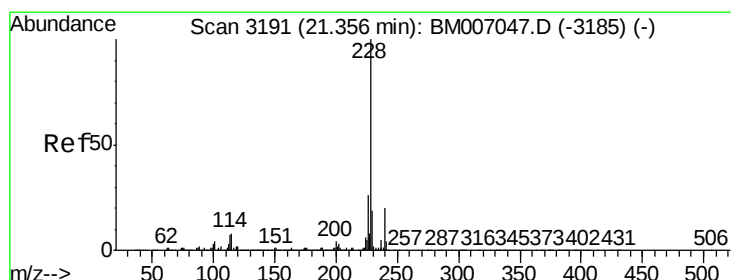
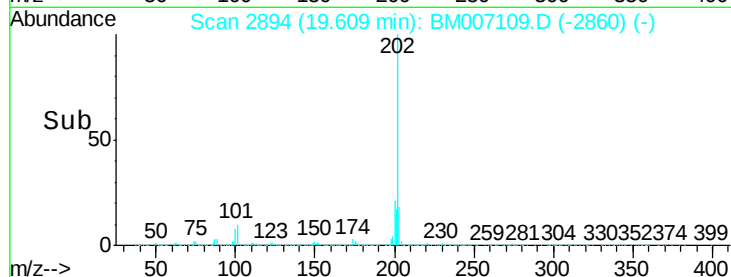
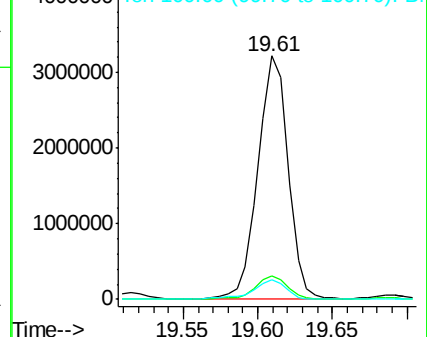
100 7.8 6.9 10.3



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: 26.32 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

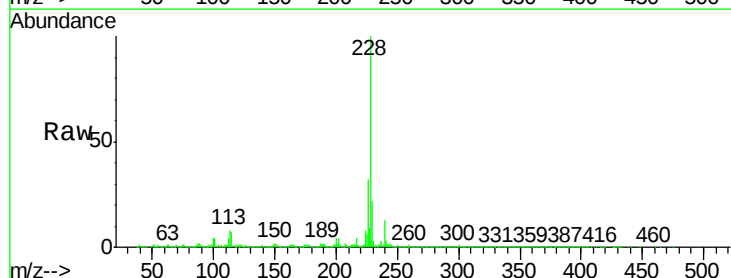
Tgt Ion:228 Resp: 2856143

Ion Ratio Lower Upper

228 100

229 22.2 15.6 23.4

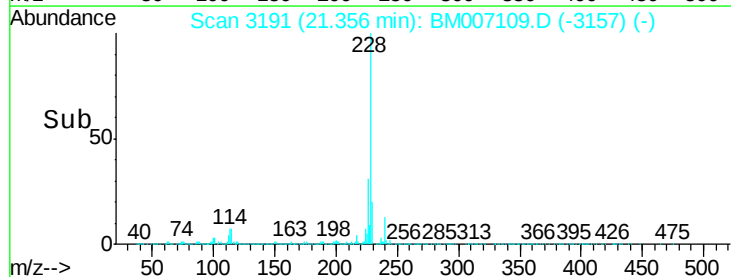
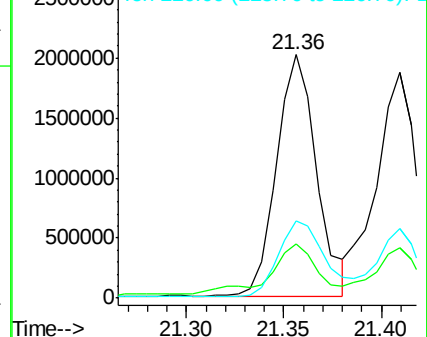
226 31.8 21.8 32.8

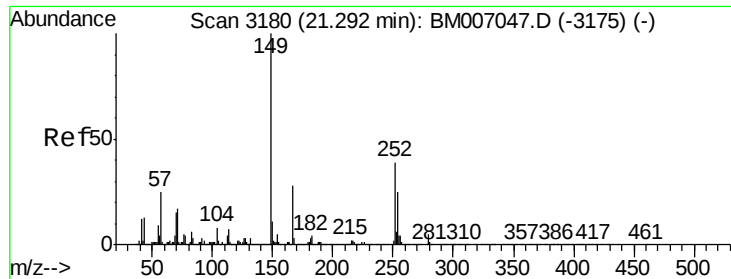


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

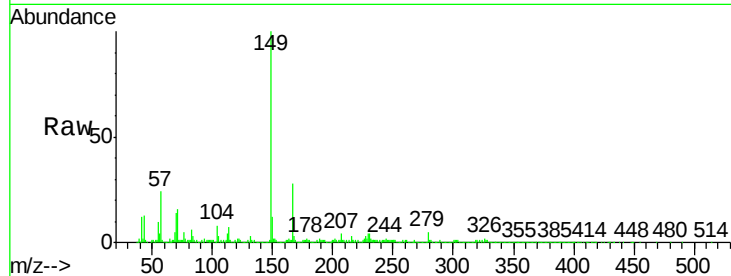




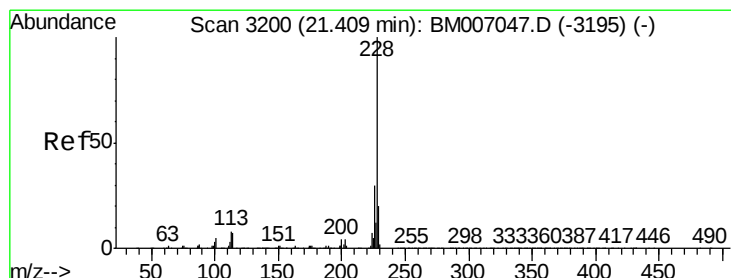
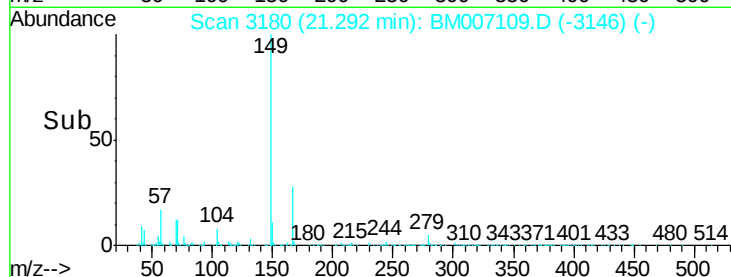
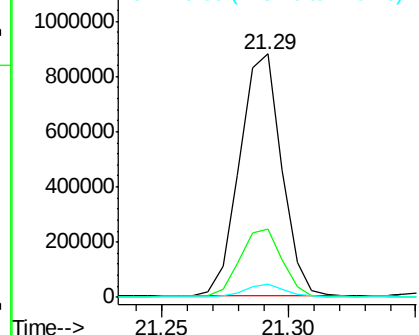
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 17.14 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BM007109.D
 Acq: 14 Aug 2016 15:54

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS003-0612-01

Tgt Ion:149 Resp: 1001633
 Ion Ratio Lower Upper
 149 100
 167 27.9 23.2 34.8
 279 5.4 4.1 6.1

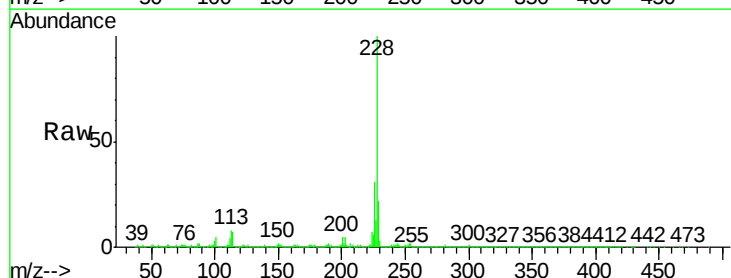


Abundance Ion 149.00 (148.70 to 149.70): E
 1200000
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

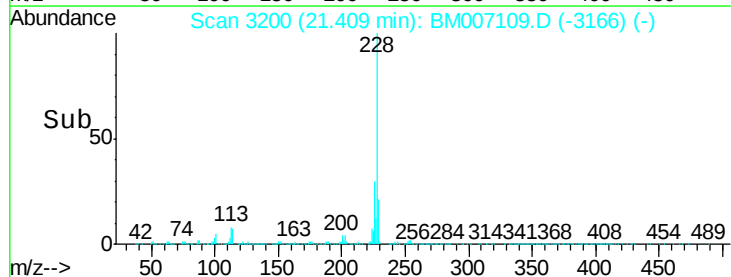
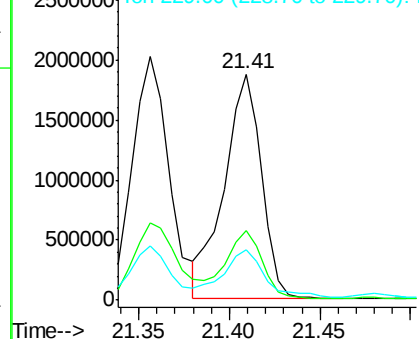


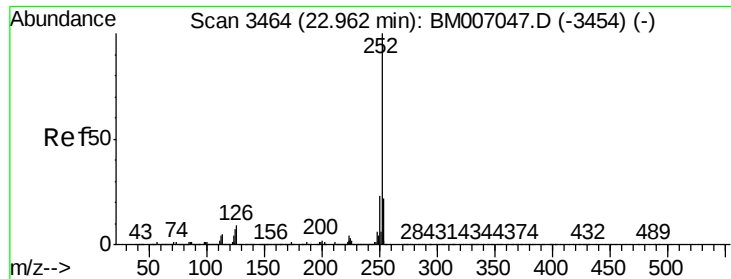
#82
 Chrysene
 Concen: 27.02 ng/ul
 RT: 21.41 min Scan# 3200
 Delta R.T. -0.00 min
 Lab File: BM007109.D
 Acq: 14 Aug 2016 15:54

Tgt Ion:228 Resp: 2679495
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.2
 229 22.4 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
 2500000
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 26.83 ng/u1

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

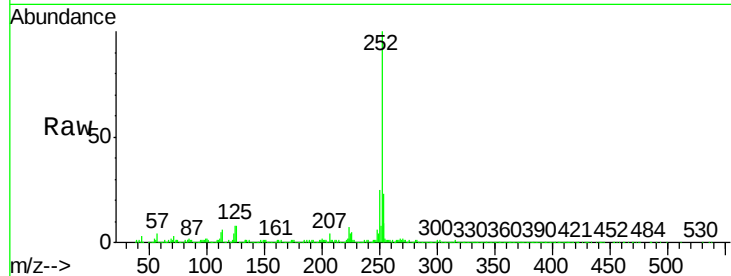
Tgt Ion:252 Resp: 3277603

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

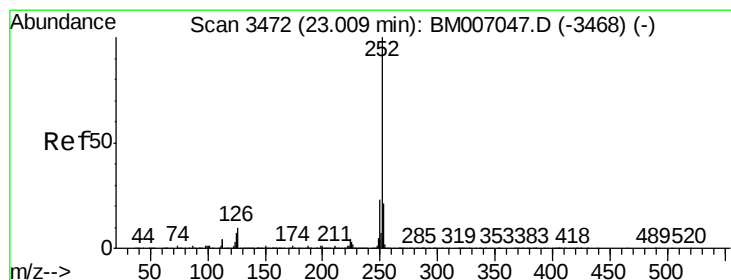
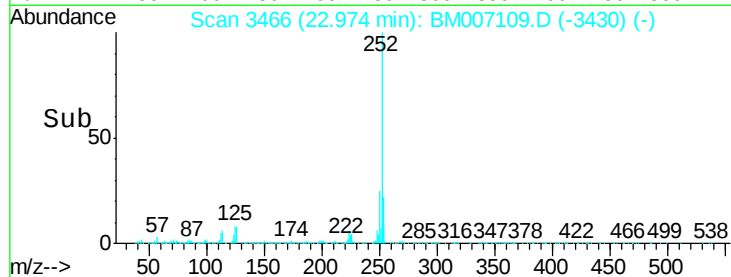
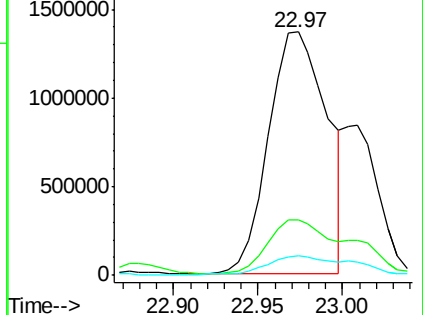
125 8.1 5.8 8.8



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: 28.57 ng/u1

RT: 22.97 min Scan# 3466

Delta R.T. -0.04 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

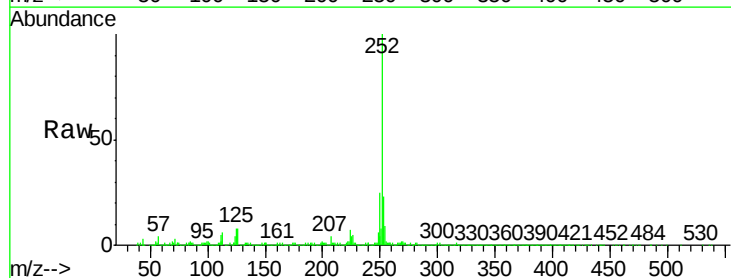
Tgt Ion:252 Resp: 3277603

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

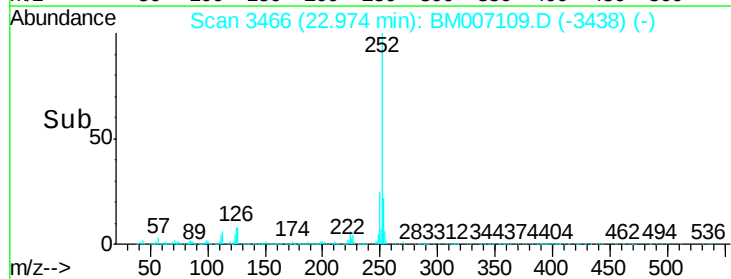
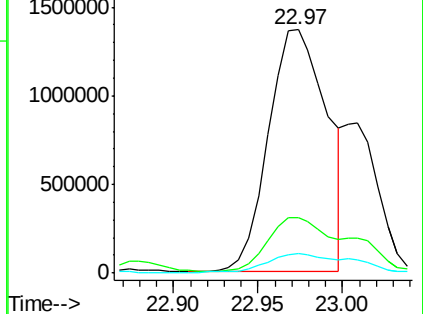
125 8.1 5.7 8.5

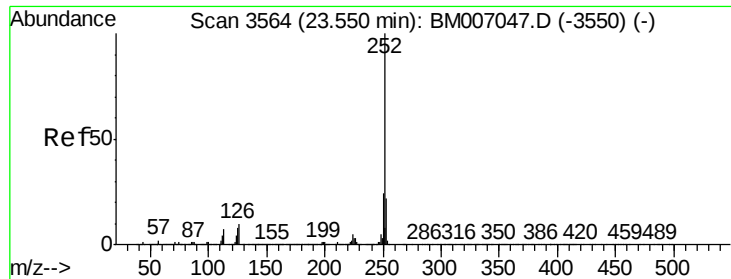


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 23.03 ng/ul

RT: 23.56 min Scan# 3565

Delta R.T. 0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

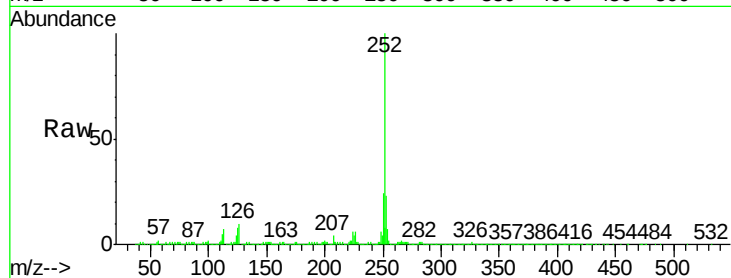
Tgt Ion:252 Resp: 2666435

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

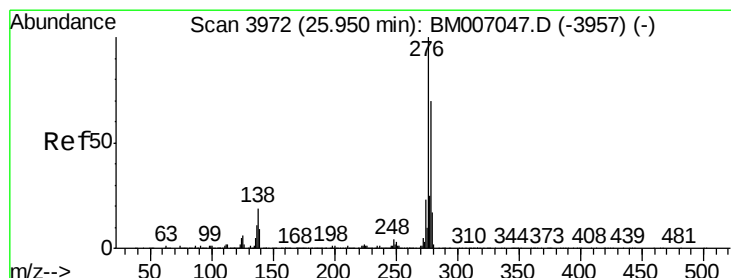
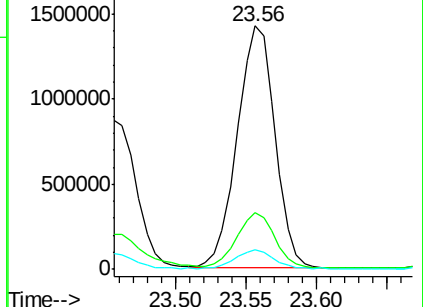
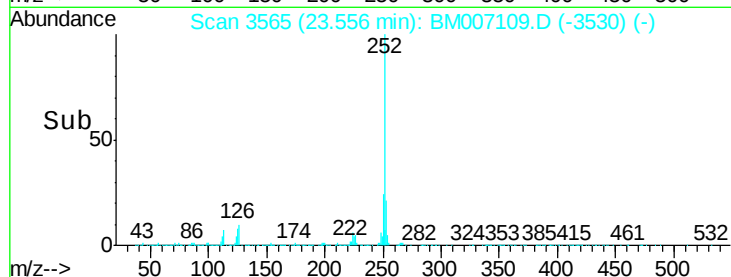
125 8.1 6.6 9.8



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: 12.15 ng/ul

RT: 25.96 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

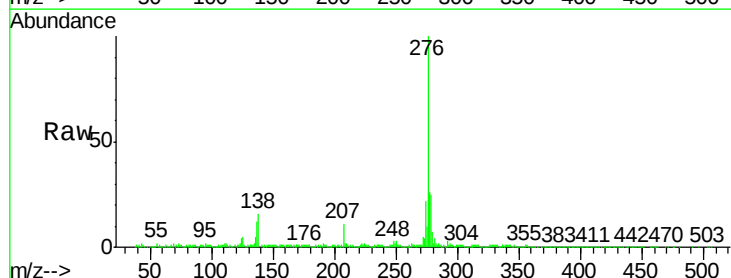
Tgt Ion:276 Resp: 1724629

Ion Ratio Lower Upper

276 100

138 15.9 13.9 20.9

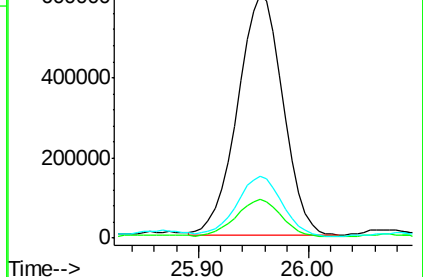
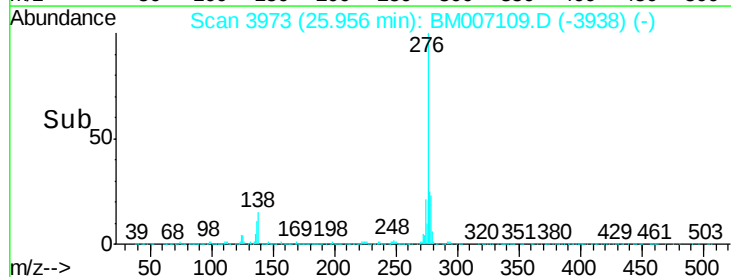
277 25.6 20.1 30.1

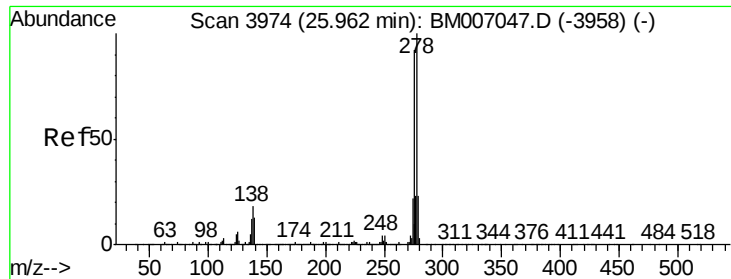


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.03 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. -0.00 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0612-01

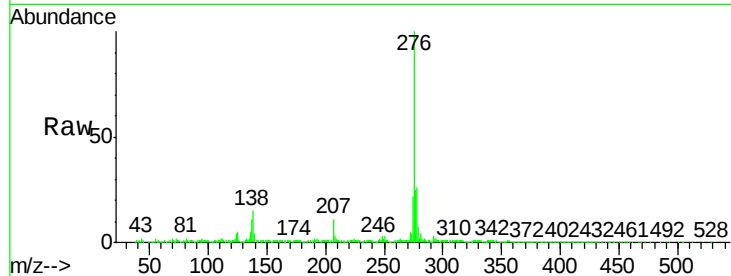
Tgt Ion:278 Resp: 479611

Ion Ratio Lower Upper

278 100

139 14.6 9.5 14.3#

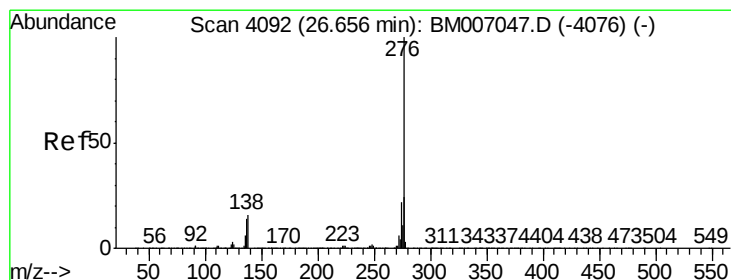
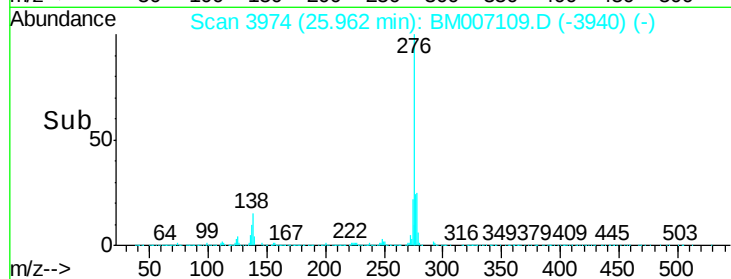
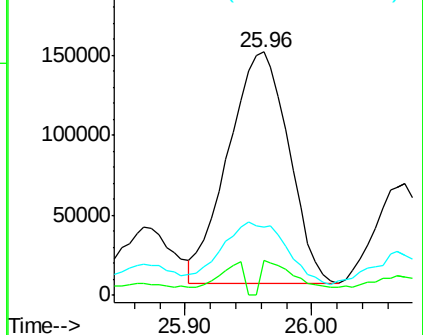
279 28.2 19.1 28.7



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: 13.04 ng/ul

RT: 26.66 min Scan# 4093

Delta R.T. 0.01 min

Lab File: BM007109.D

Acq: 14 Aug 2016 15:54

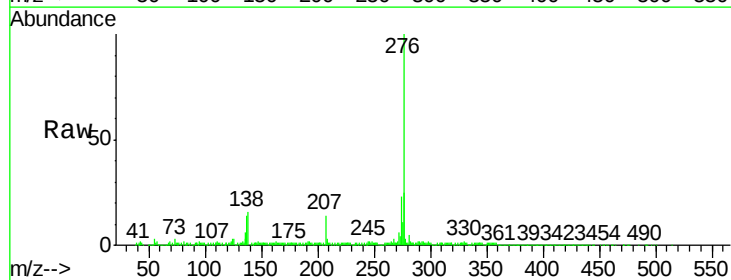
Tgt Ion:276 Resp: 1564707

Ion Ratio Lower Upper

276 100

138 15.8 13.5 20.3

277 24.7 19.3 28.9



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

