

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
 Data File : BM007104.D
 Acq On : 14 Aug 2016 12:51
 Operator : UM/SJ
 Sample : H4387-10
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P003-SS003-0206-01

Quant Time: Aug 15 10:26:57 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	7.81	152	267080	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1070407	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	614503	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1453957	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1739410	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	1894450	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	34898	5.71	ng/uL	0.00
5) Phenol-d5	6.97	99	705391	32.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	416133	33.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	576929	33.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	548178	30.79	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	281595	36.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	316674	38.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	586691	33.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	626950	30.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1750144	34.47	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	2185251	35.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	268988	29.56	ng/ul	0.00
57) Fluorene-d10	15.43	176	1532121	34.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	235097	29.26	ng/ul	0.00
70) Anthracene-d10	17.28	188	2369178	35.17	ng/ul	0.00
76) Pyrene-d10	19.57	212	2724270	37.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	3047149	35.17	ng/ul	0.00

Target Compounds

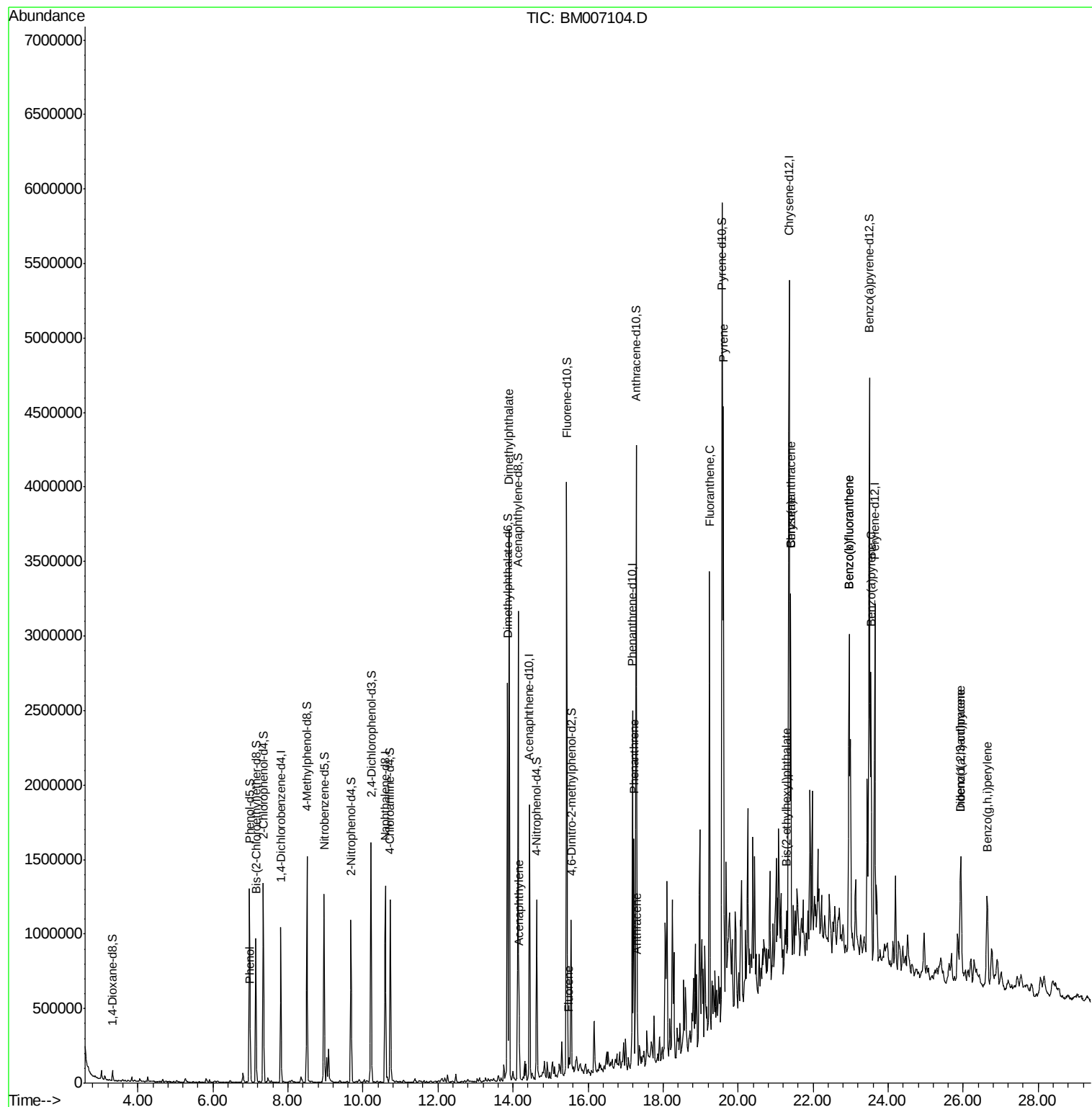
						Qvalue
6) Phenol	7.00	94	67052	2.94	ng/ul#	91
44) Dimethylphthalate	13.90	163	2178074	42.92	ng/ul	100
47) Acenaphthylene	14.16	152	348261	5.55	ng/ul	99
58) Fluorene	15.49	166	60452	1.24	ng/ul#	98
69) Phenanthrene	17.23	178	947667	12.12	ng/ul	100
71) Anthracene	17.32	178	278562	3.47	ng/ul	100
74) Fluoranthene	19.24	202	1752819	18.48	ng/ul	99
77) Pyrene	19.60	202	2453268	25.51	ng/ul	98
80) Benzo(a)anthracene	21.40	228	1476054	14.36	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.29	149	105516	1.91	ng/ul#	96
82) Chrysene	21.40	228	1476054	15.72	ng/ul	96
85) Benzo(b)fluoranthene	22.96	252	1663332	14.57	ng/ul	97
86) Benzo(k)fluoranthene	22.96	252	1663332	15.52	ng/ul	98
88) Benzo(a)pyrene	23.54	252	1363280	12.60	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.93	276	889321	6.71	ng/ul	97
90) Dibenzo(a,h)anthracene	25.94	278	245477	2.21	ng/ul#	93
91) Benzo(g,h,i)perylene	26.64	276	828183	7.39	ng/ul	98

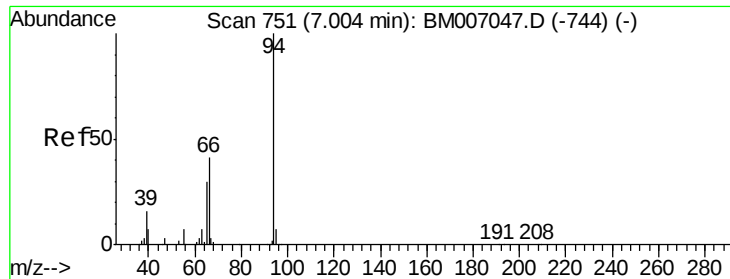
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.94 ng/ul

RT: 7.00 min Scan# 750

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

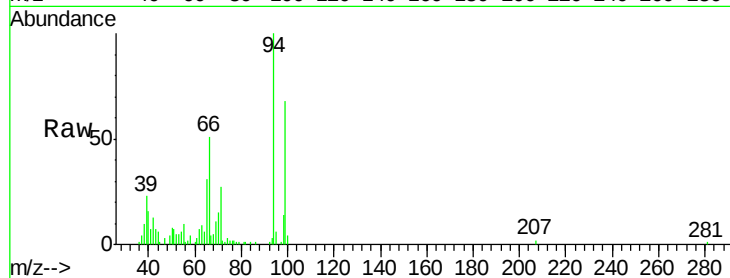
Tgt Ion: 94 Resp: 67052

Ion Ratio Lower Upper

94 100

65 30.6 23.9 35.9

66 51.0 33.5 50.3#

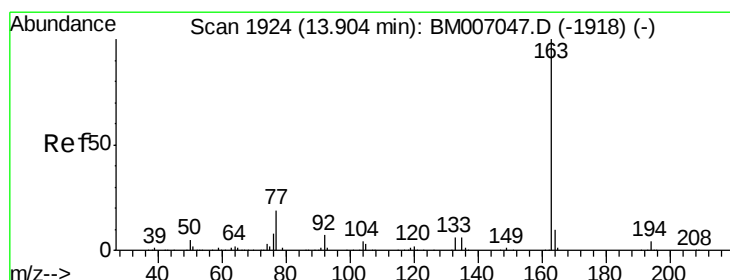
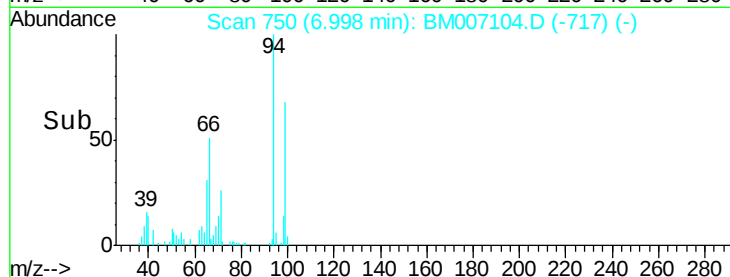


Abundance Ion 94.00 (93.70 to 94.70): BM007047.D (-744) (-)

Ion 65.00 (64.70 to 65.70): BM007047.D (-744) (-)

Ion 66.00 (65.70 to 66.70): BM007047.D (-744) (-)

Time-->



#44

Dimethylphthalate

Concen: 42.92 ng/ul

RT: 13.90 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

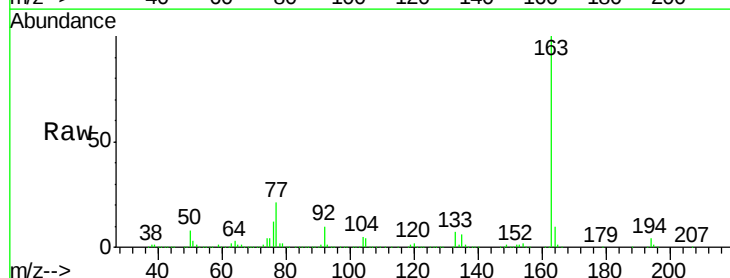
Tgt Ion: 163 Resp: 2178074

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.0 7.8 11.8

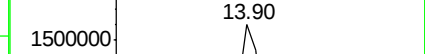
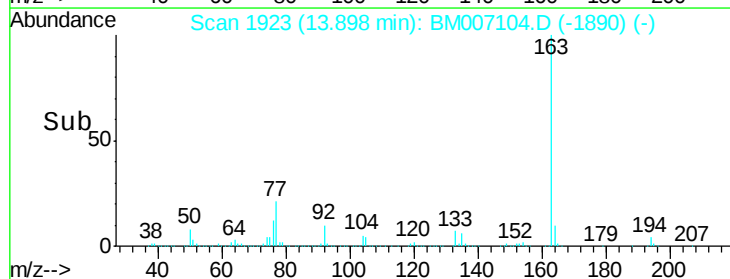


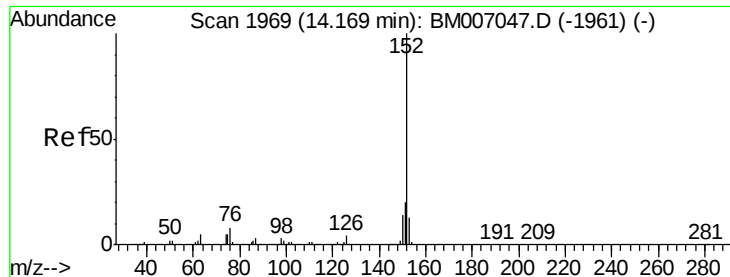
Abundance Ion 163.00 (162.70 to 163.70): BM007047.D (-1918) (-)

Ion 194.00 (193.70 to 194.70): BM007047.D (-1918) (-)

Ion 164.00 (163.70 to 164.70): BM007047.D (-1918) (-)

Time-->





#47

Acenaphthylene

Concen: 5.55 ng/ul

RT: 14.16 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

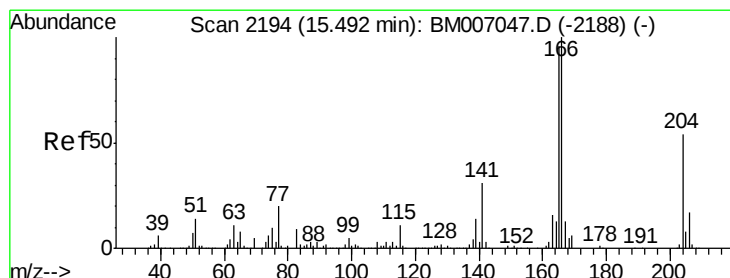
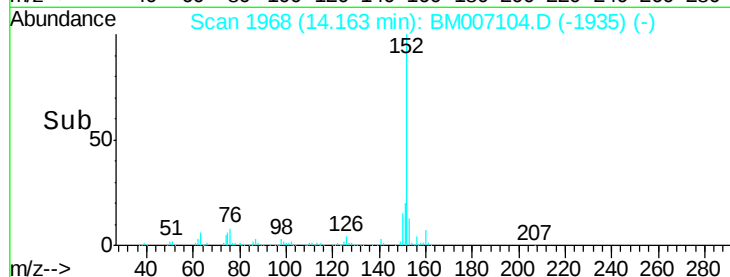
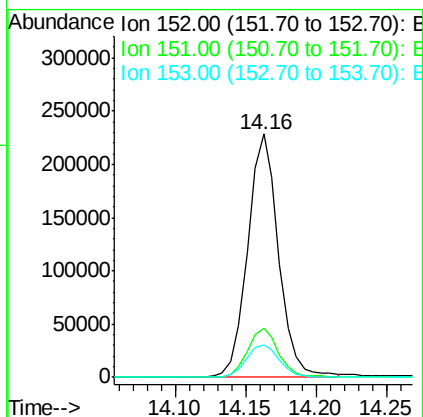
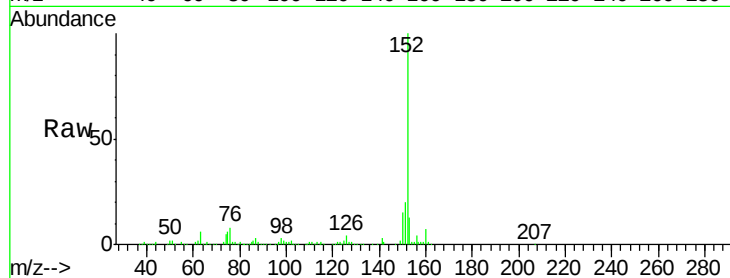
Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

Tgt Ion:	152	Resp:	348261
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.3	11.0	16.6



#58

Fluorene

Concen: 1.24 ng/ul

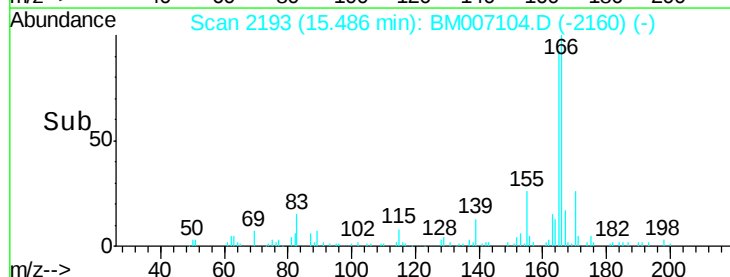
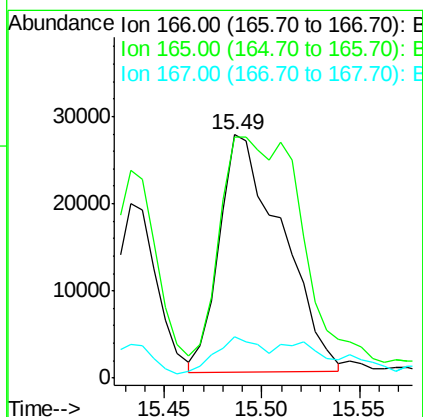
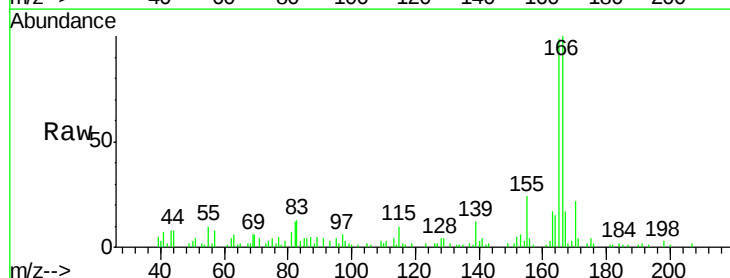
RT: 15.49 min Scan# 2193

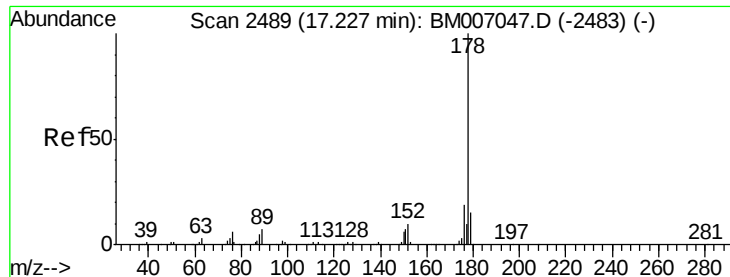
Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Tgt Ion:	166	Resp:	60452
Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.9	119.9
167	16.9	10.5	15.7#





#69

Phenanthrene

Concen: 12.12 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. 0.00 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

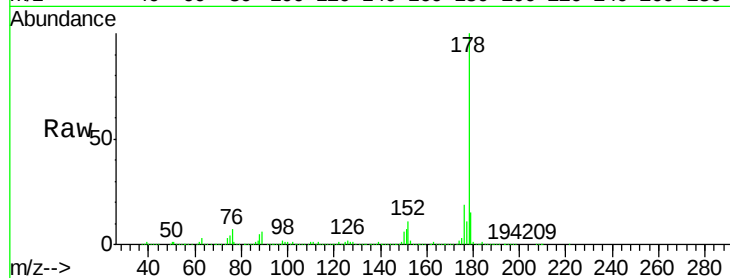
Tgt Ion:178 Resp: 947667

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

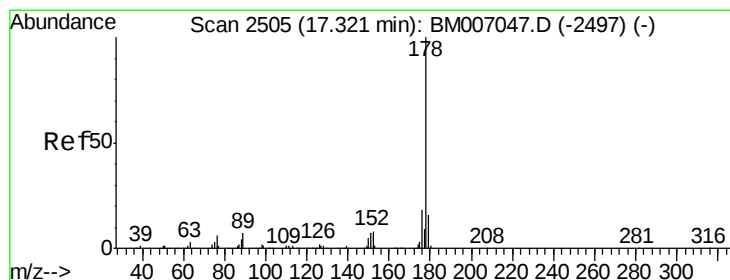
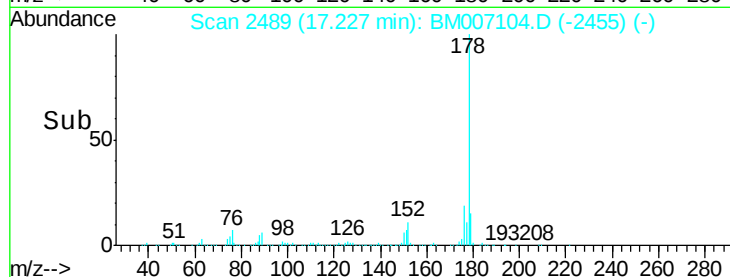
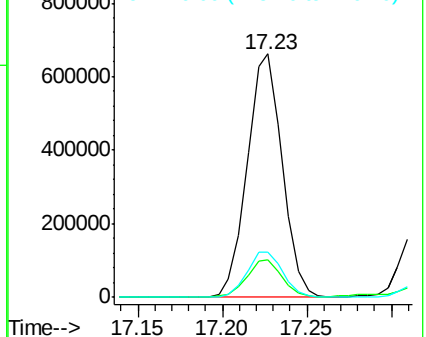
176 18.8 15.1 22.7



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: 3.47 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

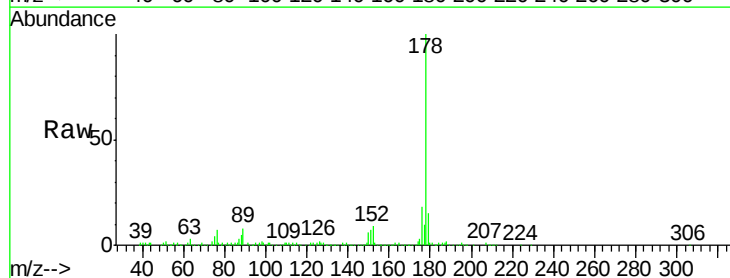
Tgt Ion:178 Resp: 278562

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

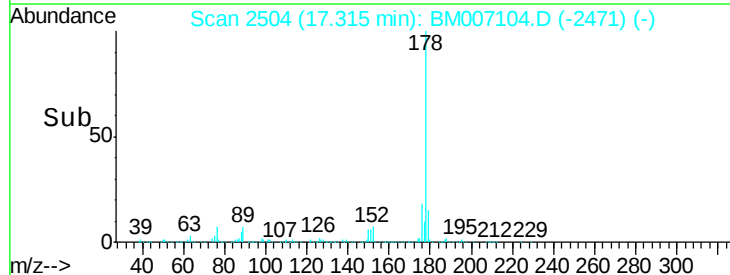
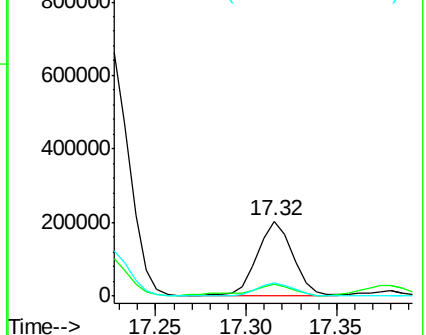
176 18.3 14.5 21.7

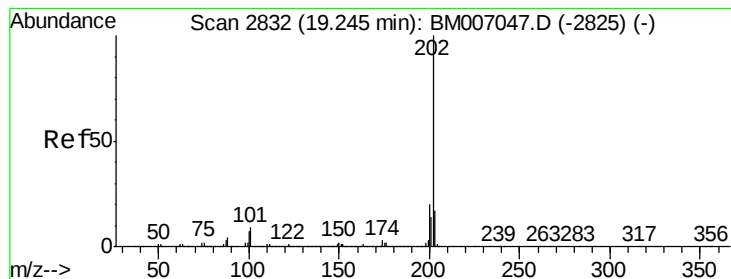


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 18.48 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

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ClientSampleId :

P003-SS003-0206-01

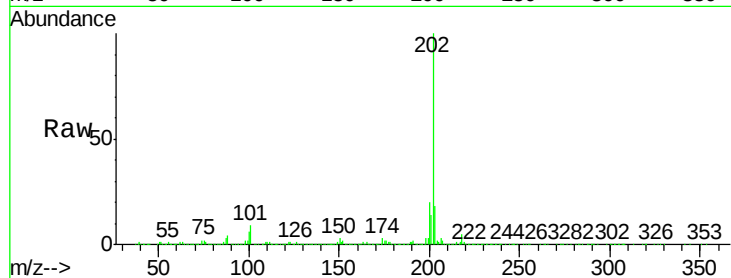
Tgt Ion:202 Resp: 1752819

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

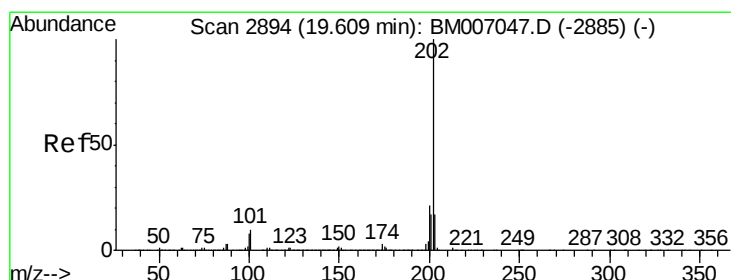
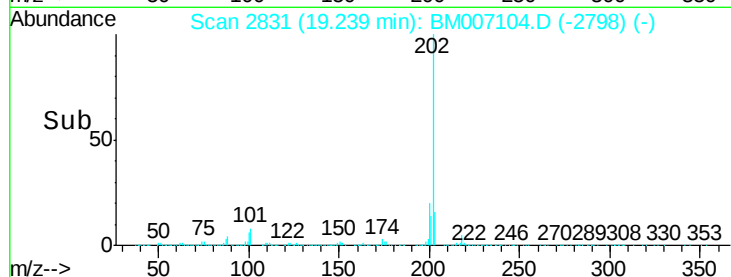
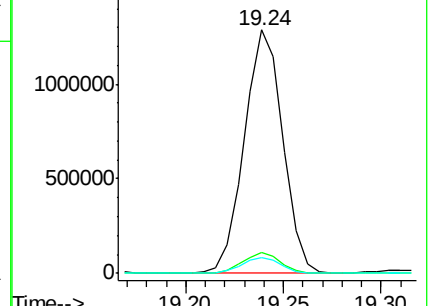
100 6.5 5.4 8.0



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: 25.51 ng/ul

RT: 19.60 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

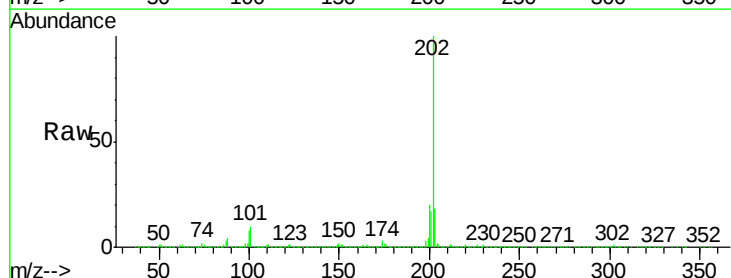
Tgt Ion:202 Resp: 2453268

Ion Ratio Lower Upper

202 100

101 9.7 8.4 12.6

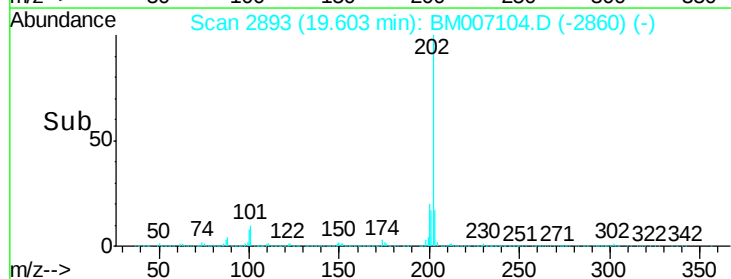
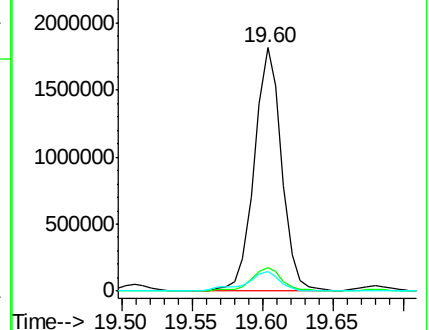
100 7.9 6.9 10.3

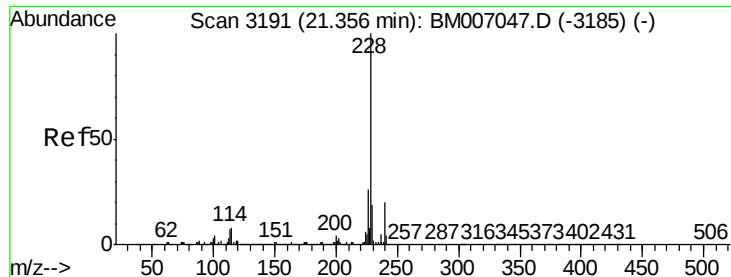


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 14.36 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. 0.04 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

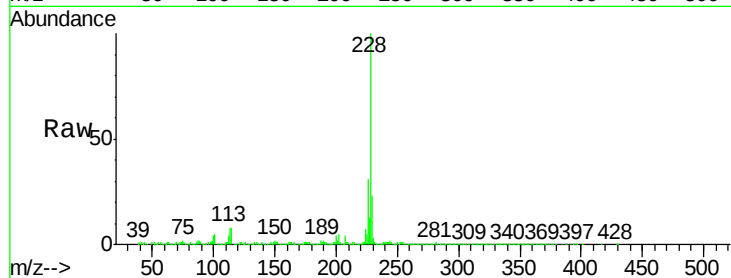
Tgt Ion:228 Resp: 1476054

Ion Ratio Lower Upper

228 100

229 22.7 15.6 23.4

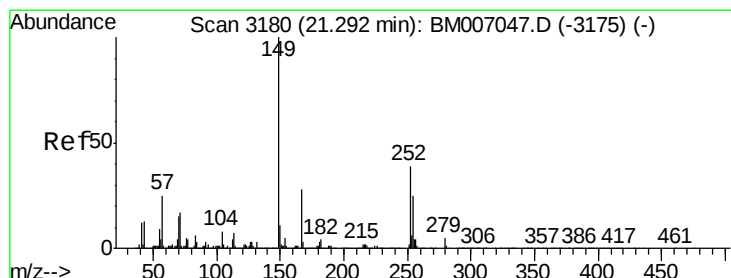
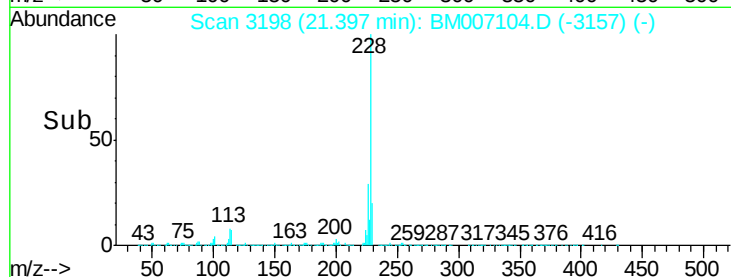
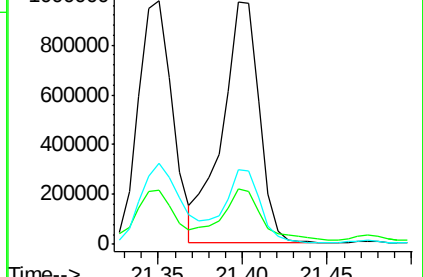
226 30.6 21.8 32.8



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: 1.91 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

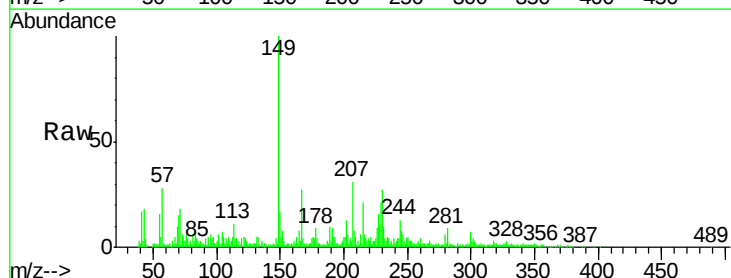
Tgt Ion:149 Resp: 105516

Ion Ratio Lower Upper

149 100

167 26.9 23.2 34.8

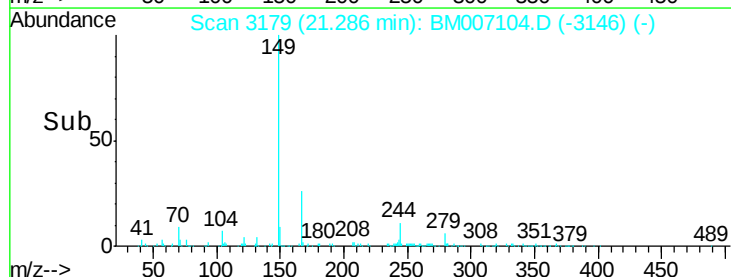
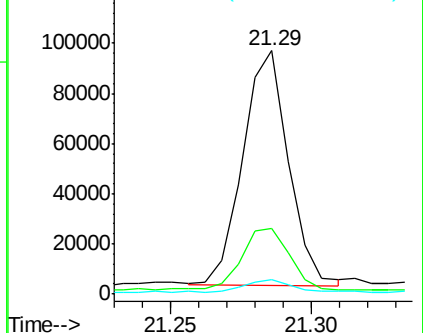
279 6.2 4.1 6.1#

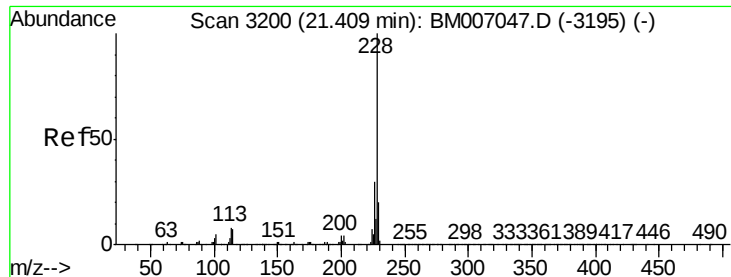


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 15.72 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

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ClientSampleId :

P003-SS003-0206-01

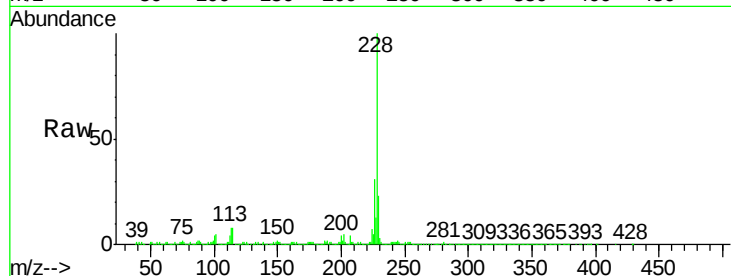
Tgt Ion:228 Resp: 1476054

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

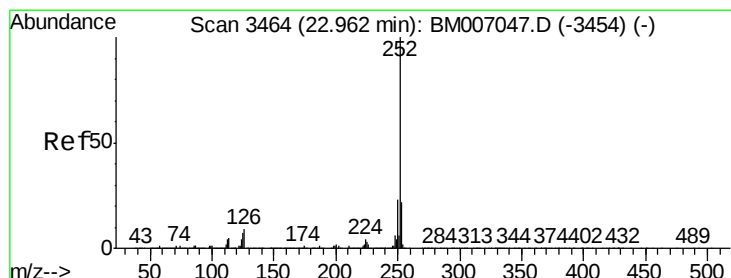
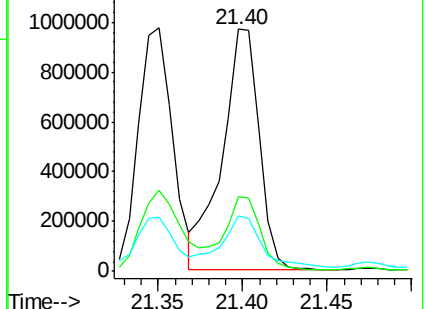
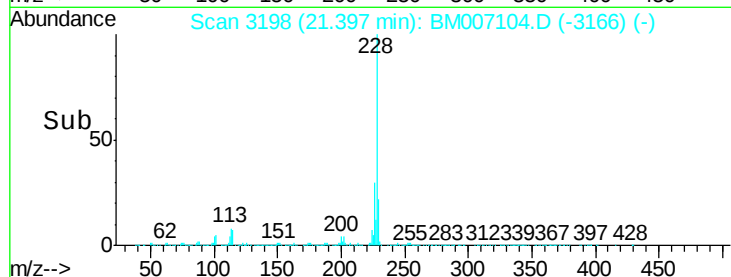
229 22.7 15.5 23.3



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: 14.57 ng/ul

RT: 22.96 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

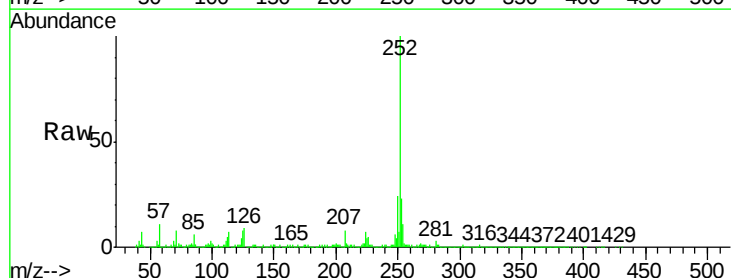
Tgt Ion:252 Resp: 1663332

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

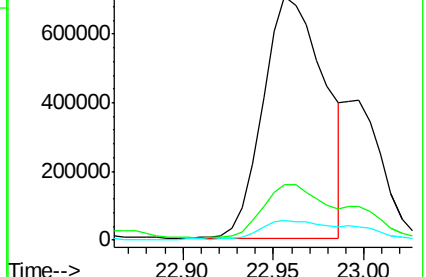
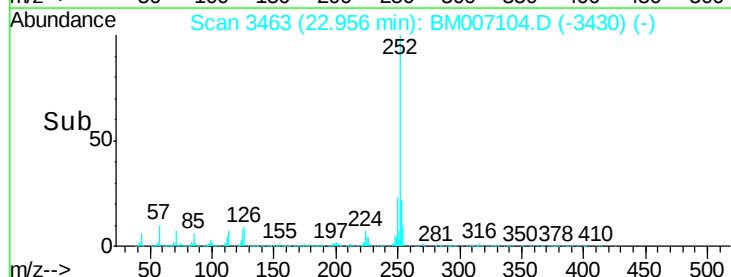
125 8.1 5.8 8.8

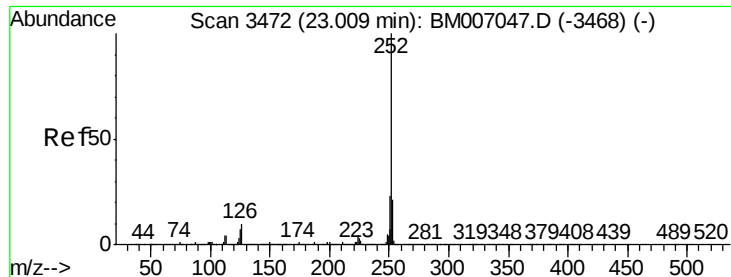


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 15.52 ng/ul

RT: 22.96 min Scan# 3463

Delta R.T. -0.05 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

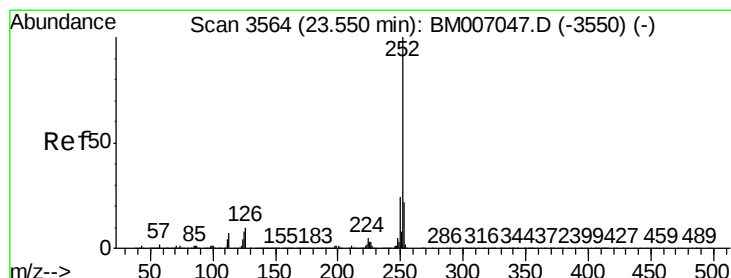
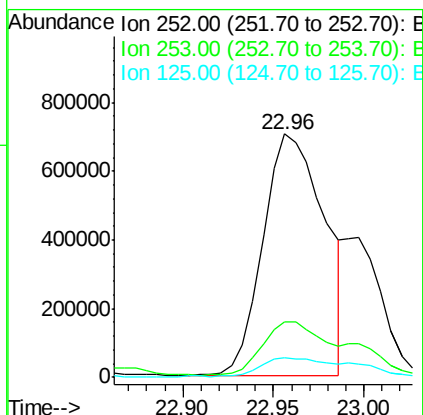
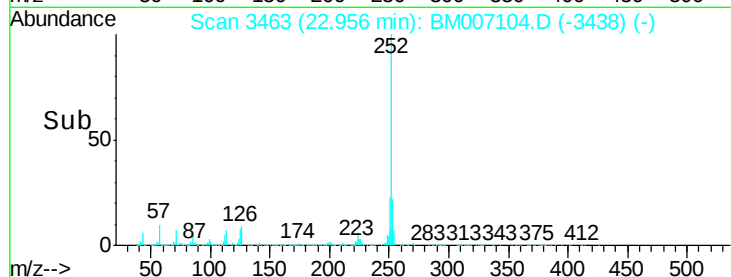
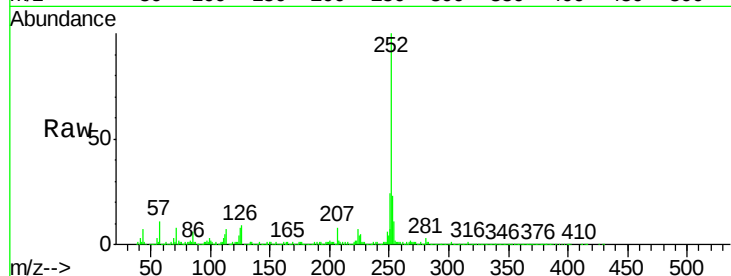
Tgt Ion:252 Resp: 1663332

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.1 5.7 8.5



#88

Benzo(a)pyrene

Concen: 12.60 ng/ul

RT: 23.54 min Scan# 3563

Delta R.T. -0.01 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

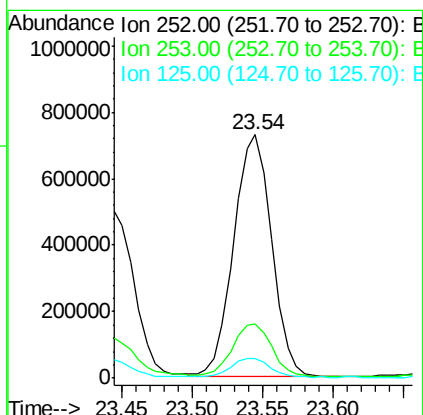
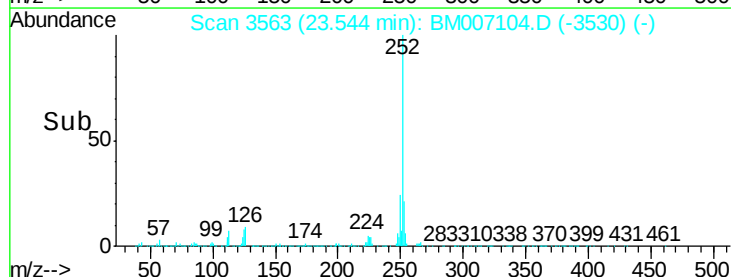
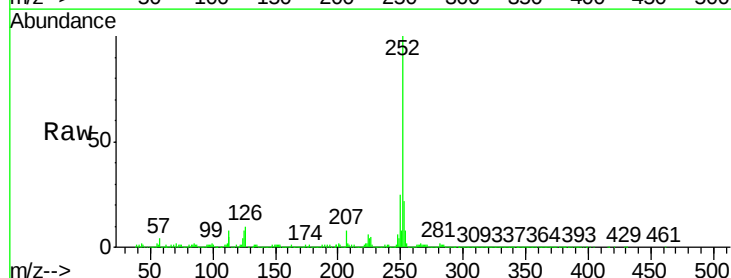
Tgt Ion:252 Resp: 1363280

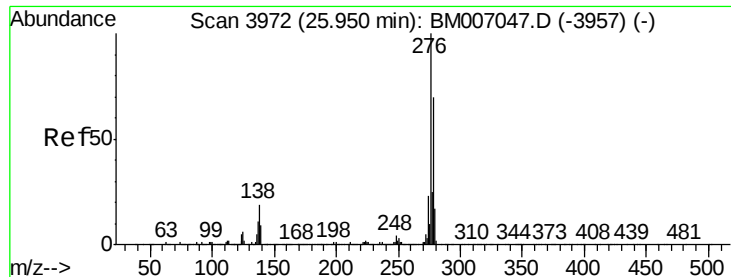
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.2 6.6 9.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.71 ng/ul

RT: 25.93 min Scan# 3969

Delta R.T. -0.02 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

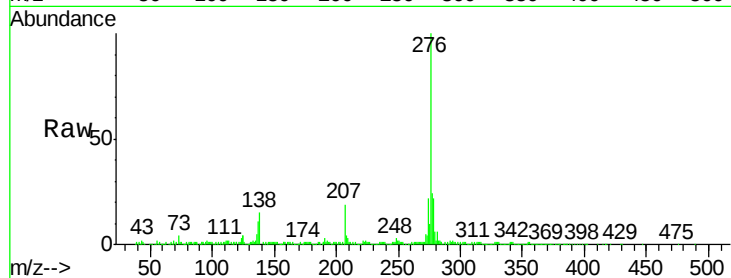
Tgt Ion:276 Resp: 889321

Ion Ratio Lower Upper

276 100

138 15.2 13.9 20.9

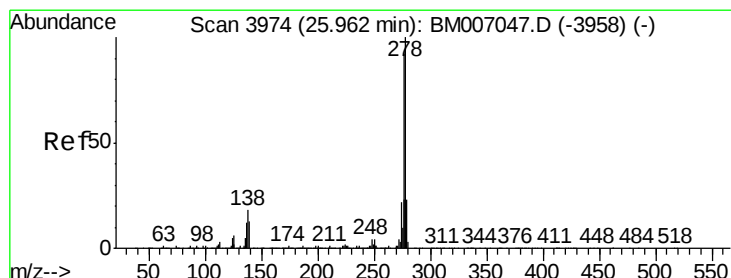
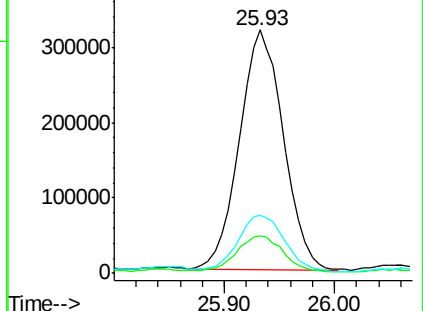
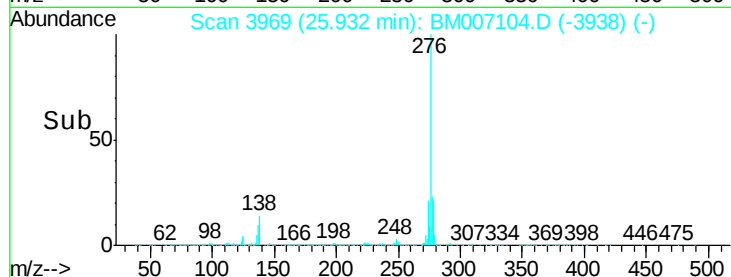
277 24.0 20.1 30.1



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: 2.21 ng/ul

RT: 25.94 min Scan# 3970

Delta R.T. -0.02 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

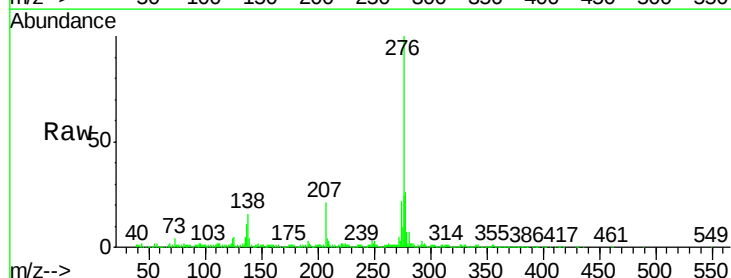
Tgt Ion:278 Resp: 245477

Ion Ratio Lower Upper

278 100

139 15.1 9.5 14.3#

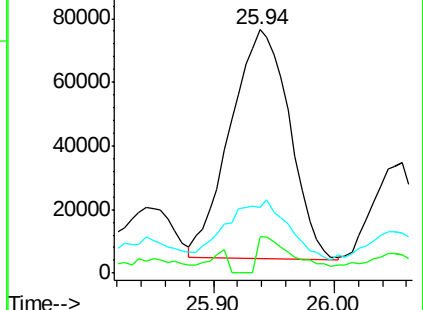
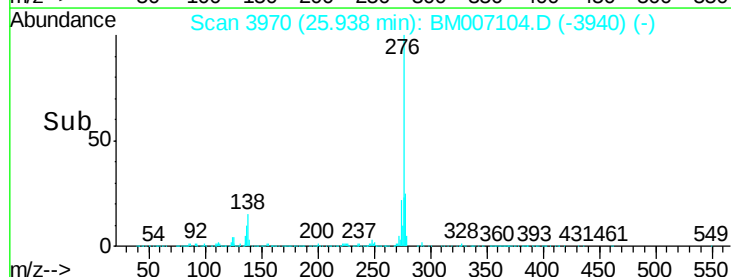
279 27.2 19.1 28.7

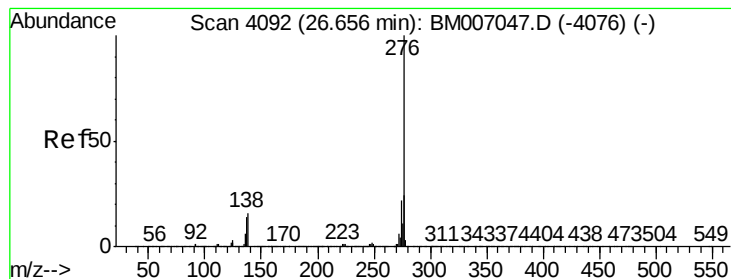


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.39 ng/ul

RT: 26.64 min Scan# 4089

Delta R.T. -0.02 min

Lab File: BM007104.D

Acq: 14 Aug 2016 12:51

Instrument :

BNA_M

ClientSampleId :

P003-SS003-0206-01

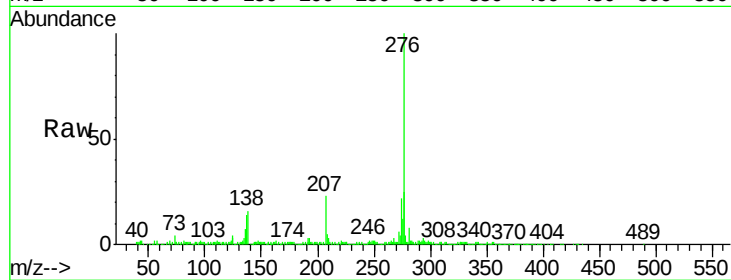
Tgt Ion: 276 Resp: 828183

Ion Ratio Lower Upper

276 100

138 16.1 13.5 20.3

277 24.8 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

