

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012593.D
 Acq On : 31 Oct 2017 03:00
 Operator : SJ/JU
 Sample : I5886-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 31 04:52:56 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 04:46:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	336204	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1254043	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	700663	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1597719	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1888414	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	2135318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	37394	5.68	ng/uL	0.00
5) Phenol-d5	7.02	99	600247	21.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	395954	23.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	512280	24.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	454960	18.95	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	246356	31.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	277030	34.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	503181	23.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	434603	19.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1466565	23.96	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1843313	25.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	148569	16.33	ng/ul	0.00
57) Fluorene-d10	15.47	176	1290592	24.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	157668	20.39	ng/ul	0.00
70) Anthracene-d10	17.32	188	1908933	25.07	ng/ul	0.00
76) Pyrene-d10	19.62	212	2179819	25.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	2469918	24.35	ng/ul	0.00

Target Compounds

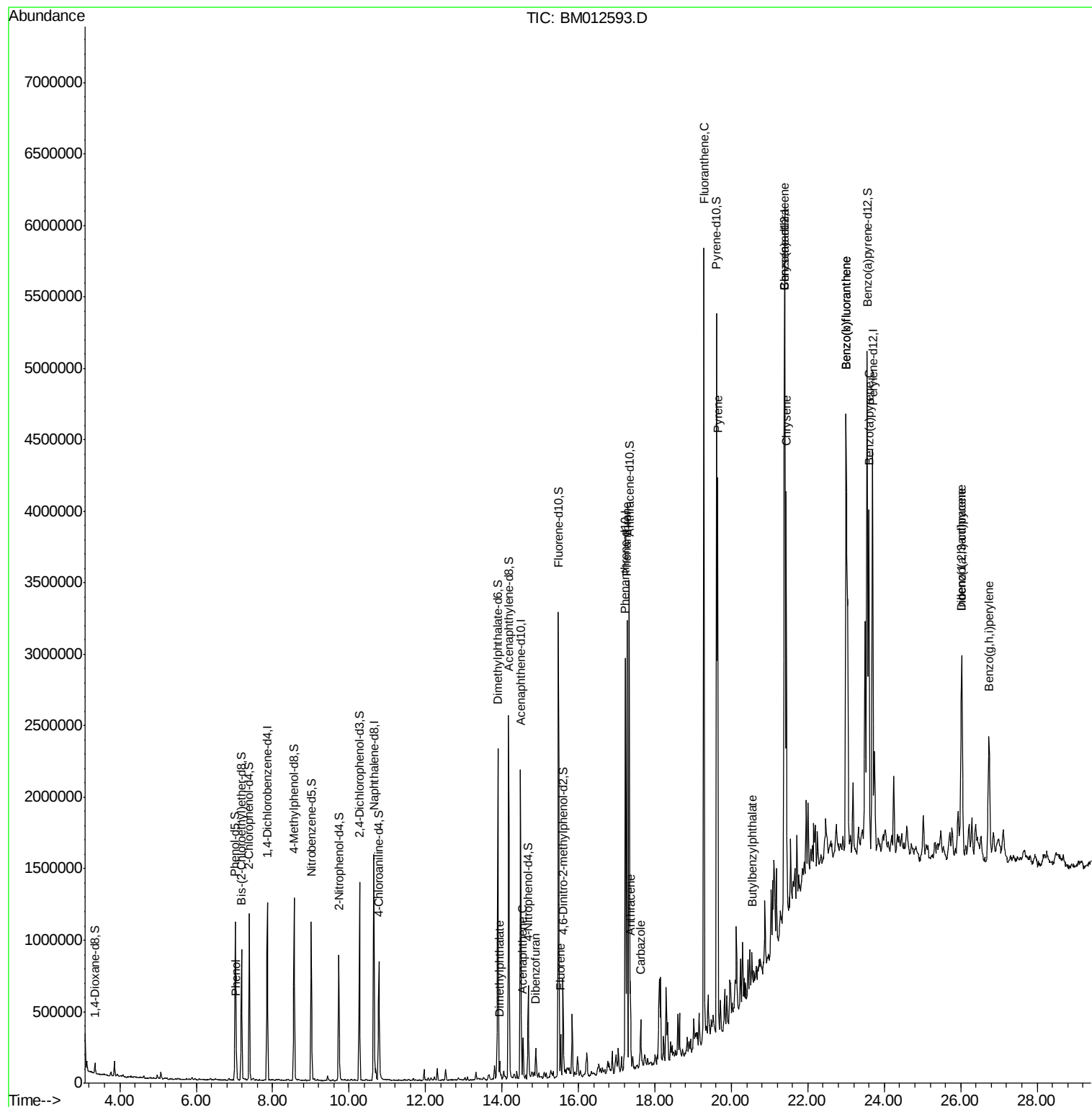
					Ovalue	
6) Phenol	7.05	94	91753	3.14	ng/ul#	81
44) Dimethylphthalate	13.94	163	70587	1.17	ng/ul	97
49) Acenaphthene	14.55	153	111746	2.36	ng/ul	99
53) Dibenzofuran	14.89	168	102509	1.46	ng/ul	98
58) Fluorene	15.53	166	103441	1.75	ng/ul	99
69) Phenanthrene	17.27	178	1828477	21.16	ng/ul	99
71) Anthracene	17.36	178	372063	4.17	ng/ul	99
72) Carbazole	17.63	167	188062	2.54	ng/ul	100
74) Fluoranthene	19.28	202	2849170	29.10	ng/ul#	91
77) Pyrene	19.64	202	2449633	22.81	ng/ul#	92
78) Butylbenzylphthalate	20.54	149	71321	1.69	ng/ul	89
80) Benzo(a)anthracene	21.39	228	1553991	13.74	ng/ul	97
82) Chrysene	21.43	228	1638944	16.30	ng/ul	97
85) Benzo(b)fluoranthene	23.00	252	2600566	19.70	ng/ul#	98
86) Benzo(k)fluoranthene	23.00	252	2600566	20.93	ng/ul#	96
88) Benzo(a)pyrene	23.60	252	1803668	14.33	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.03	276	1424107	9.61	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.03	278	385502	3.07	ng/ul#	88
91) Benzo(g,h,i)perylene	26.74	276	1151561	9.59	ng/ul#	96

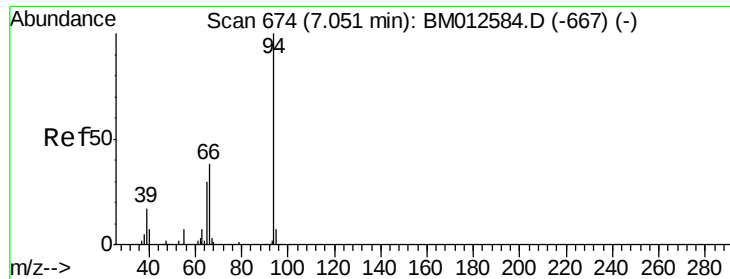
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.14 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampleId :

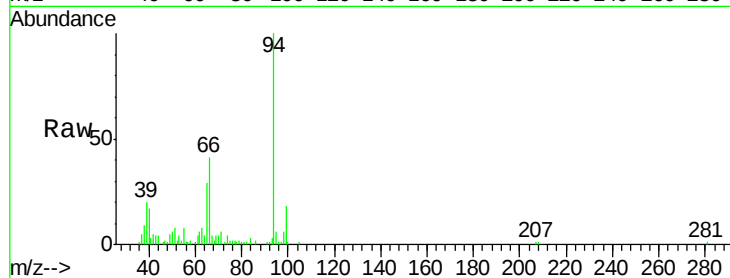
Tot Ion: 94 Resp: 91753

Ion Ratio Lower Upper

94 100

65 28.6 28.2 42.4

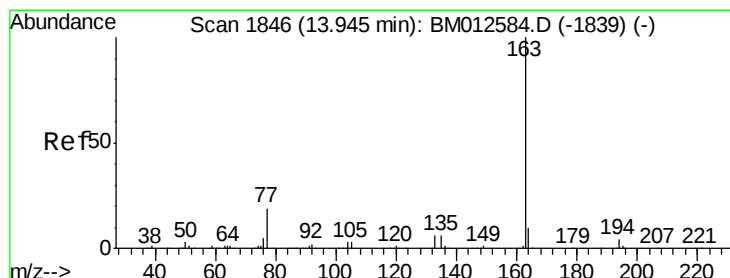
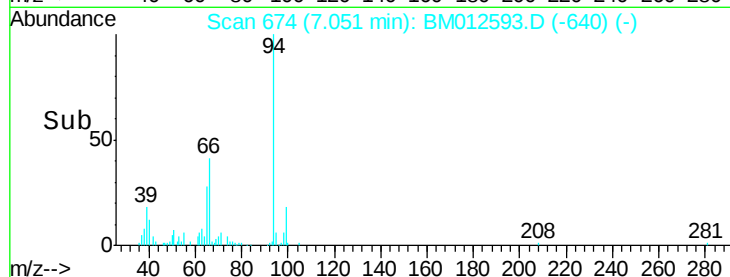
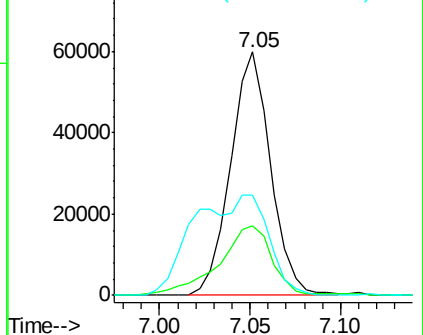
66 41.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012584.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM012584.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM012584.D (-667) (-)



#44

Dimethylphthalate

Concen: 1.17 ng/ul

RT: 13.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

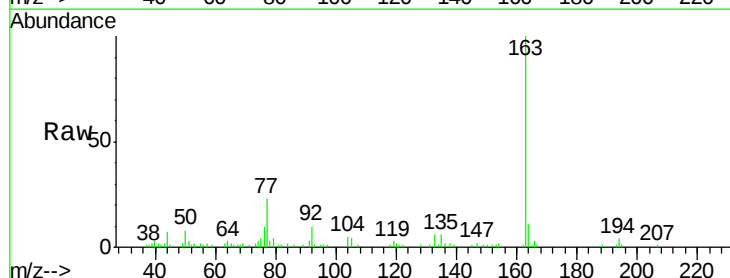
Tgt Ion: 163 Resp: 70587

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

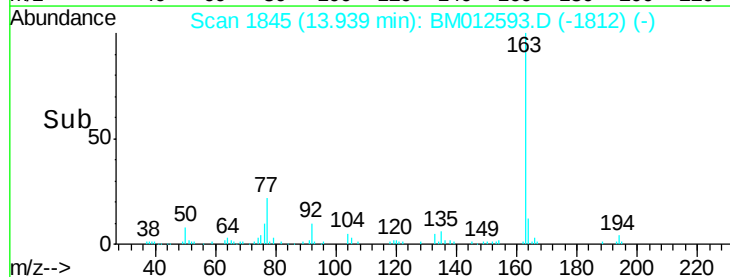
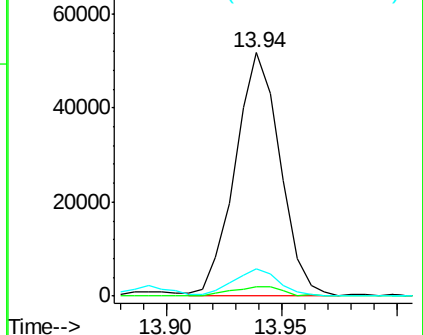
164 11.4 8.2 12.4

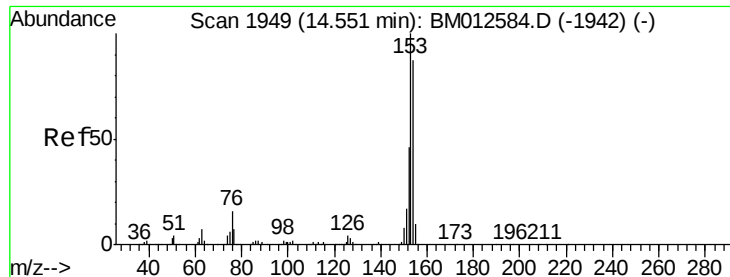


Abundance Ion 163.00 (162.70 to 163.70): BM012584.D (-1839) (-)

Ion 194.00 (193.70 to 194.70): BM012584.D (-1839) (-)

Ion 164.00 (163.70 to 164.70): BM012584.D (-1839) (-)





#49

Acenaphthene

Concen: 2.36 ng/ul

RT: 14.55 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampleId :

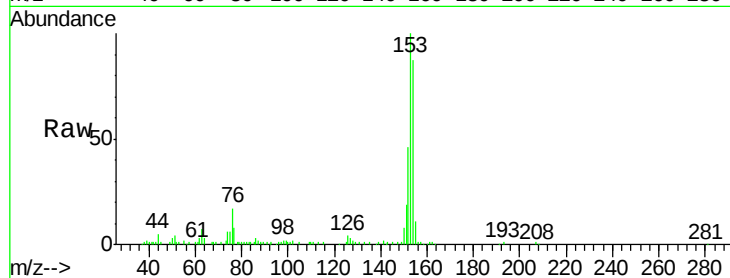
Tot Ion:153 Resp: 111746

Ion Ratio Lower Upper

153 100

152 45.5 37.6 56.4

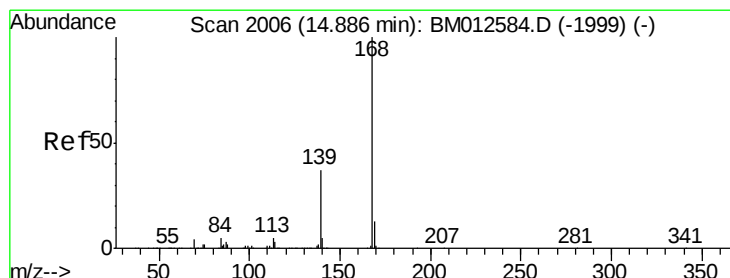
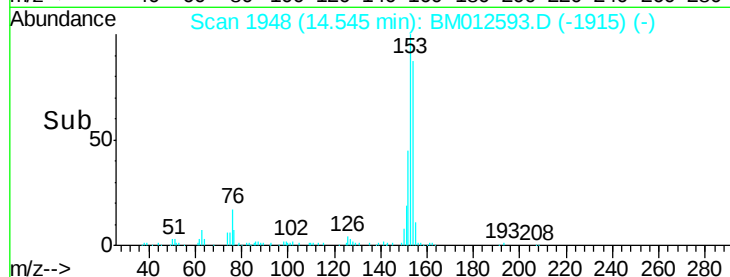
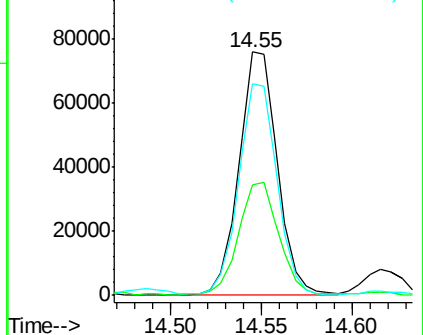
154 87.1 70.4 105.6



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: 1.46 ng/ul

RT: 14.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BM012593.D

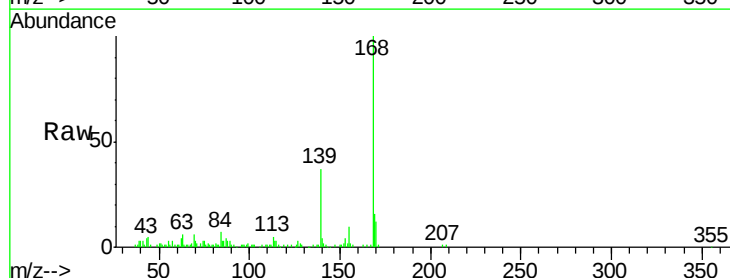
Acq: 31 Oct 2017 03:00

Tgt Ion:168 Resp: 102509

Ion Ratio Lower Upper

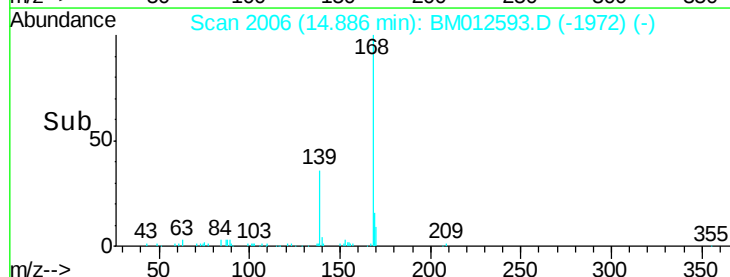
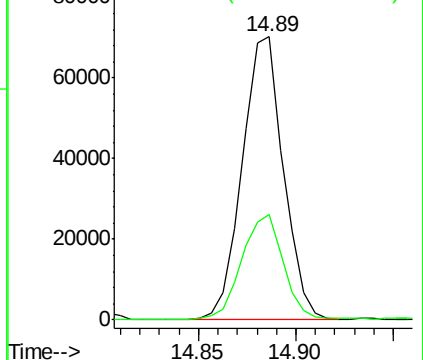
168 100

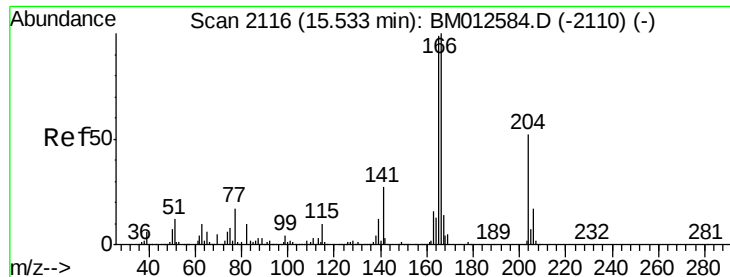
139 37.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.75 ng/ul

RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampleId :

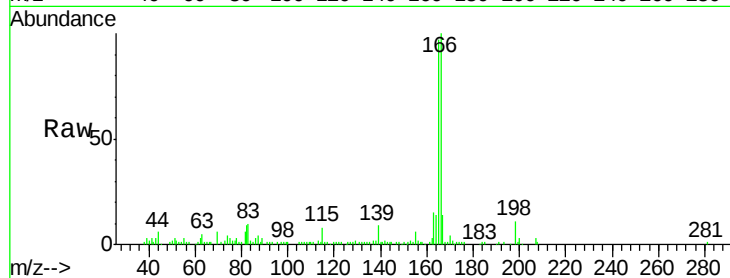
Tot Ion:166 Resp: 103441

Ion Ratio Lower Upper

166 100

165 96.7 77.9 116.9

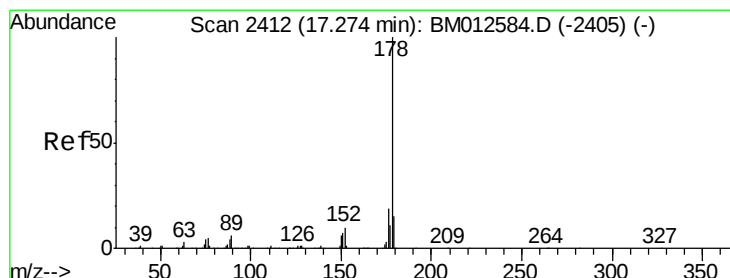
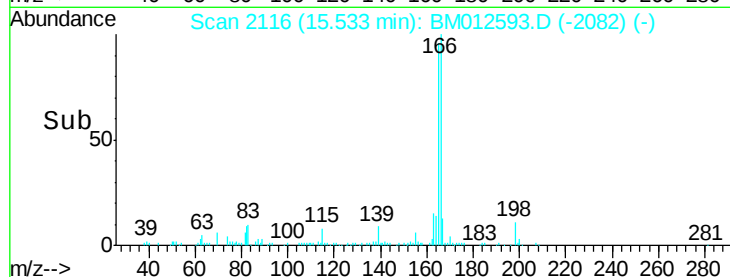
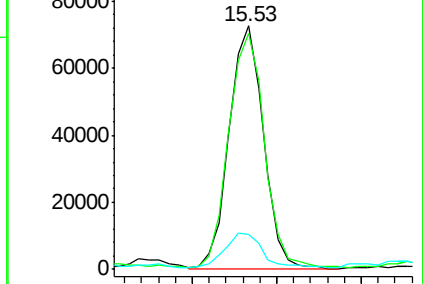
167 14.2 10.6 16.0



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: 21.16 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

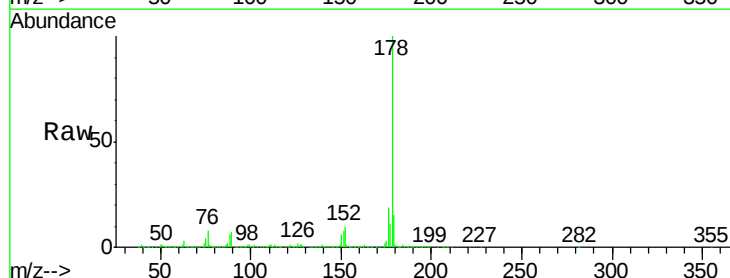
Tgt Ion:178 Resp: 1828477

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

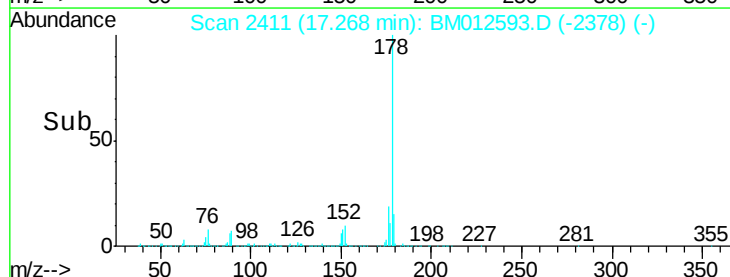
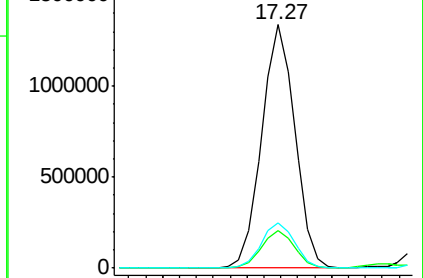
176 18.8 14.9 22.3

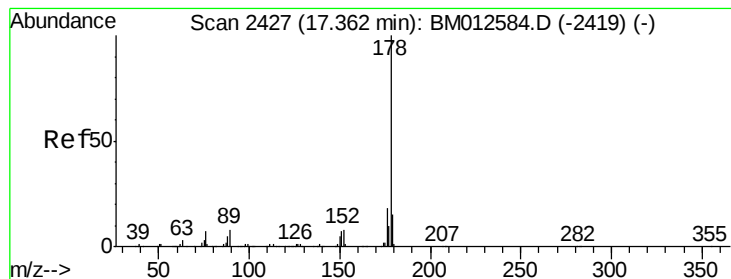


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.17 ng/ul

RT: 17.36 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampleId :

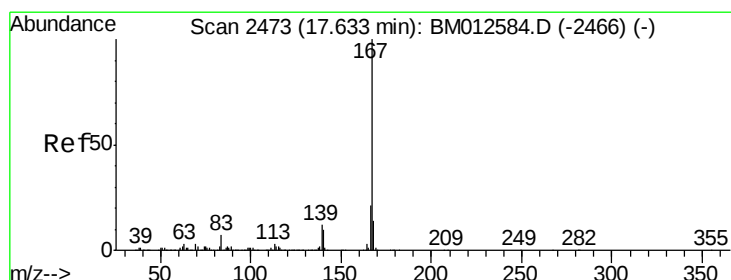
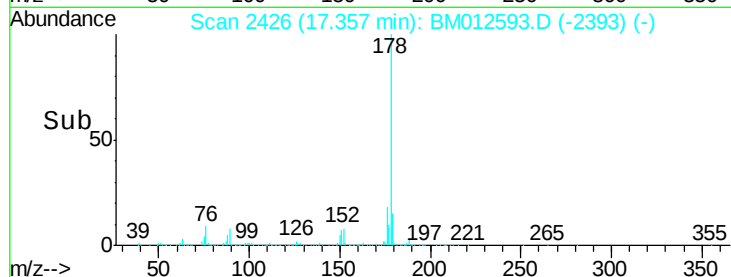
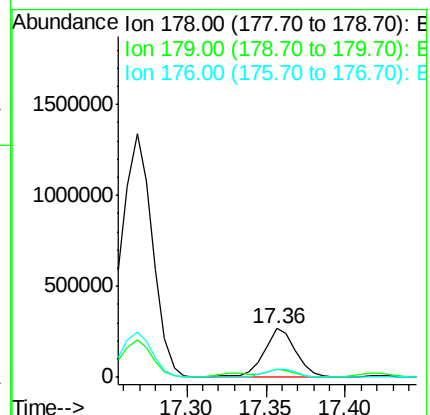
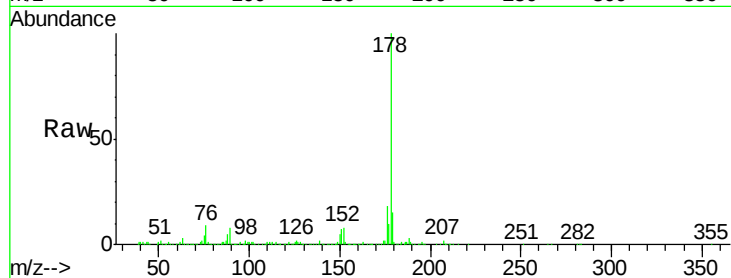
Tot Ion:178 Resp: 372063

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

176 17.9 14.6 21.8



#72

Carbazole

Concen: 2.54 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

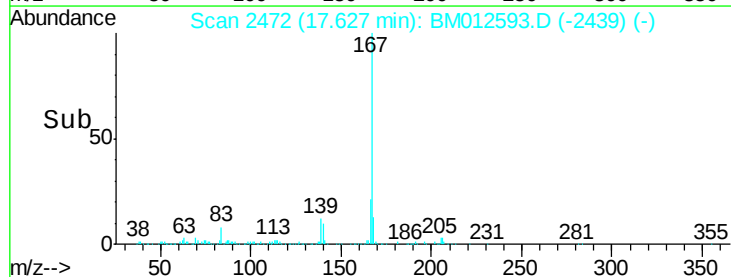
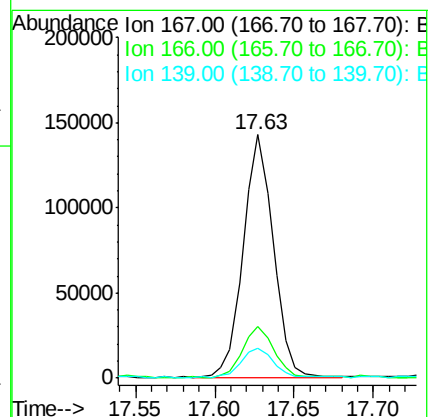
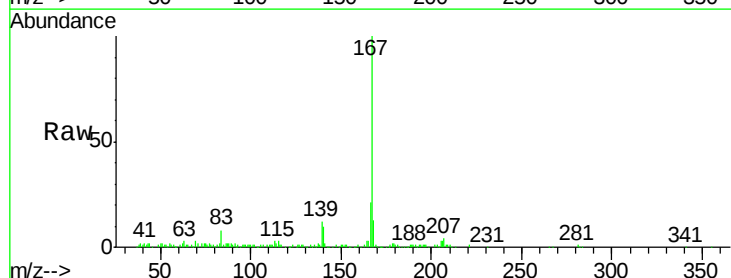
Tgt Ion:167 Resp: 188062

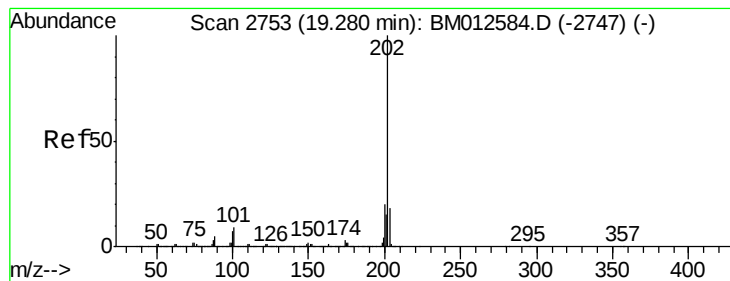
Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 12.4 10.0 15.0





#74

Fluoranthene

Concen: 29.10 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampled :

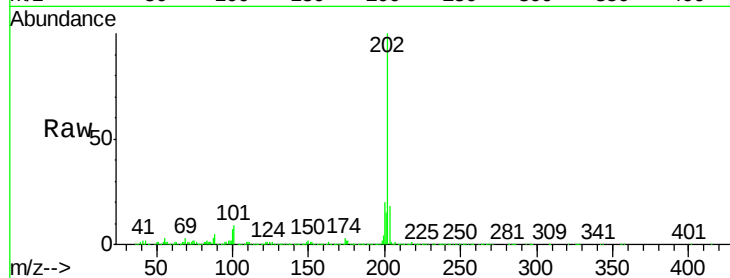
Tot Ion:202 Resp: 2849170

Ion Ratio Lower Upper

202 100

101 9.2 4.6 7.0#

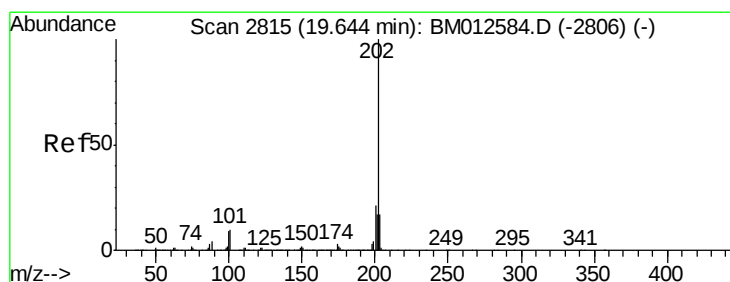
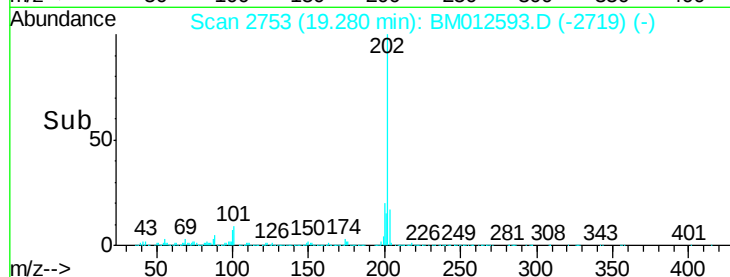
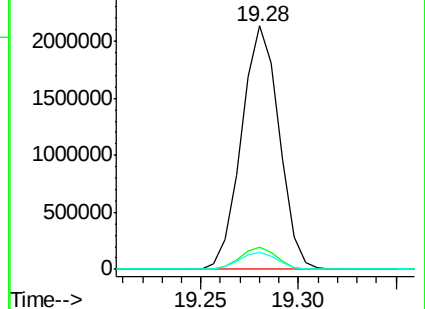
100 7.0 3.4 5.2#



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



#77

Pyrene

Concen: 22.81 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

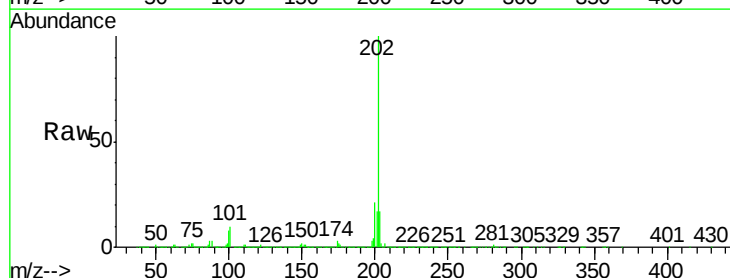
Tgt Ion:202 Resp: 2449633

Ion Ratio Lower Upper

202 100

101 9.7 5.1 7.7#

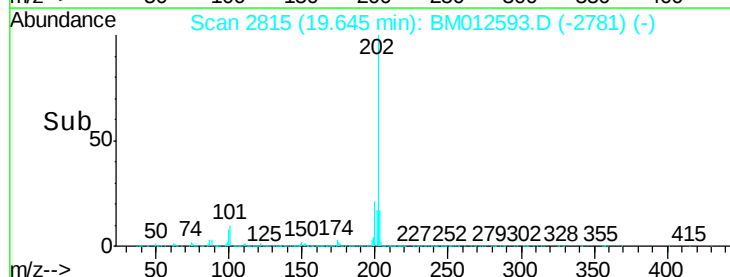
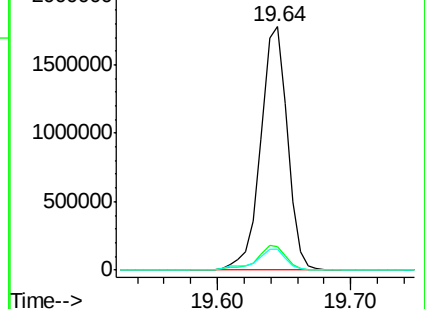
100 8.4 4.9 7.3#

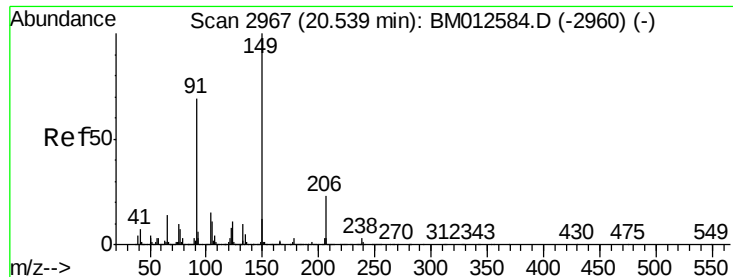


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 1.69 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Instrument :

BNA_M

ClientSampleId :

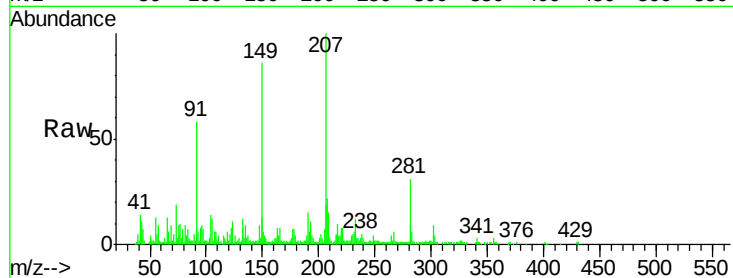
Tot Ion:149 Resp: 71321

Ion Ratio Lower Upper

149 100

91 67.6 62.7 94.1

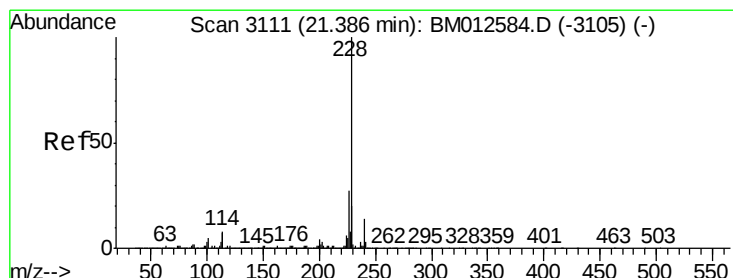
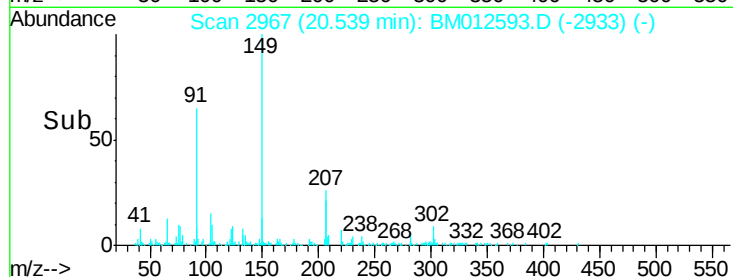
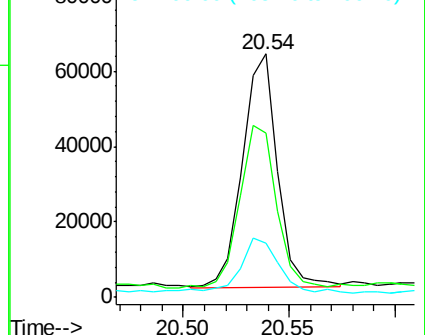
206 22.0 20.8 31.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 13.74 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

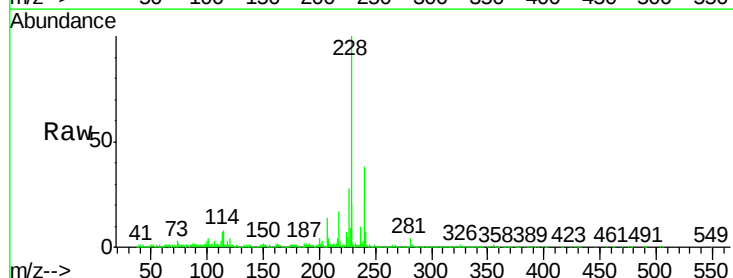
Tgt Ion:228 Resp: 1553991

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

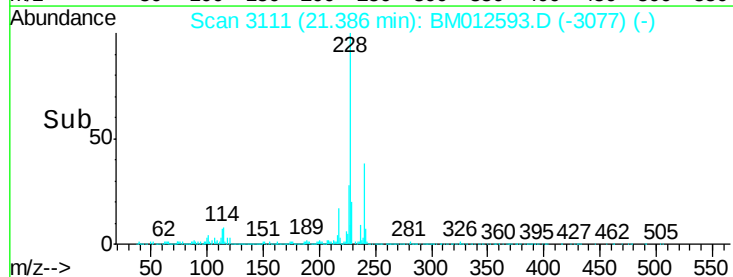
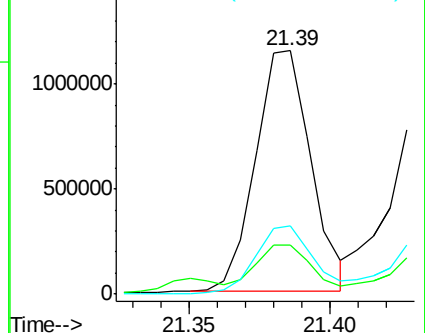
226 28.1 21.4 32.0

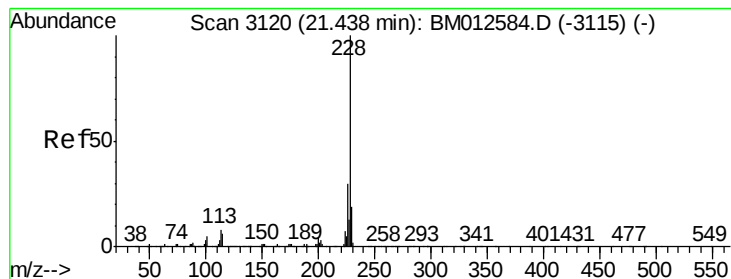


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 16.30 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

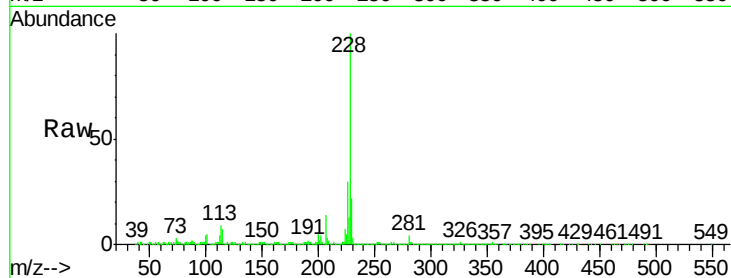
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1638944

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	22.5	15.5	23.3

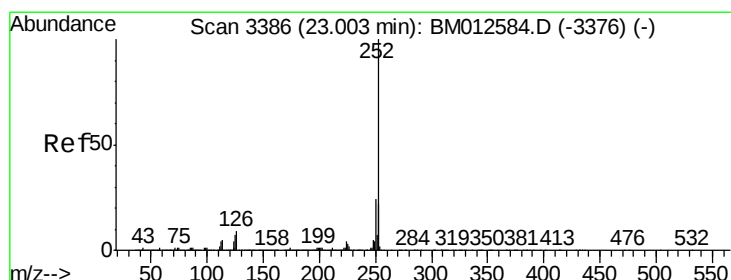
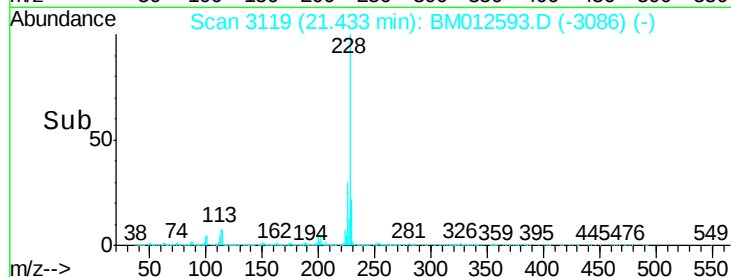
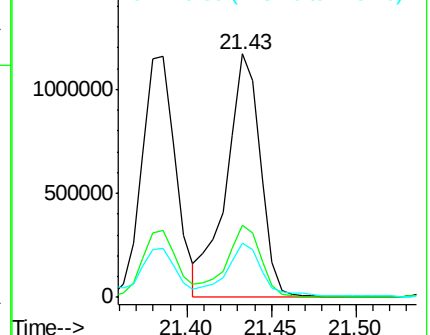


Abundance

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: 19.70 ng/ul

RT: 23.00 min Scan# 3386

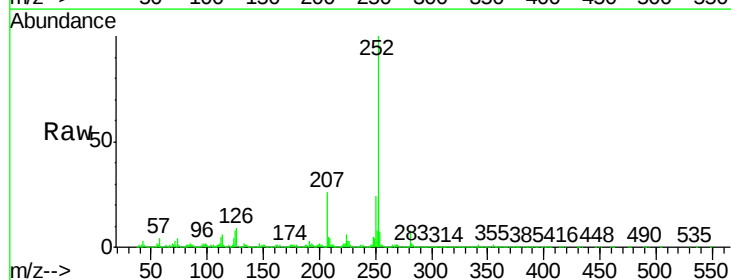
Delta R.T. 0.00 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Tgt Ion:252 Resp: 2600566

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.5	3.6	5.4

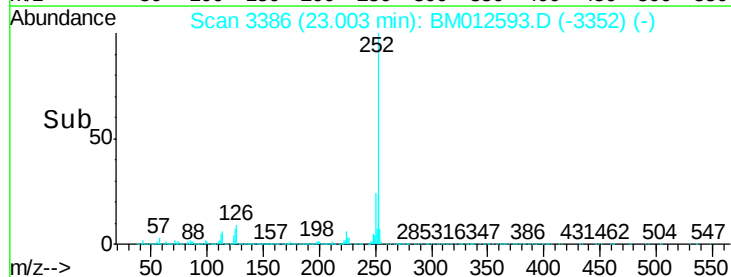
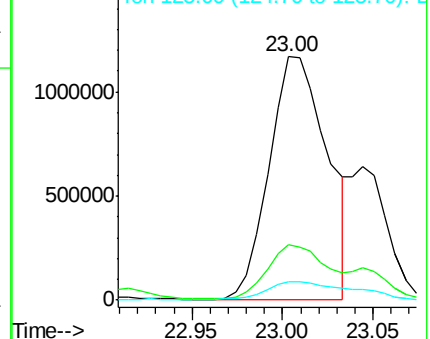


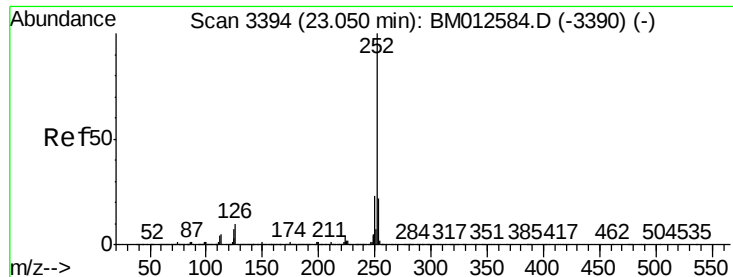
Abundance

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

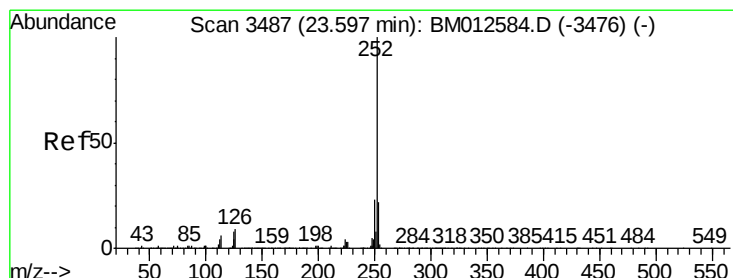
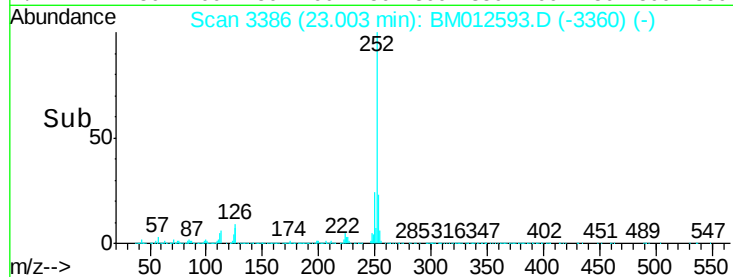
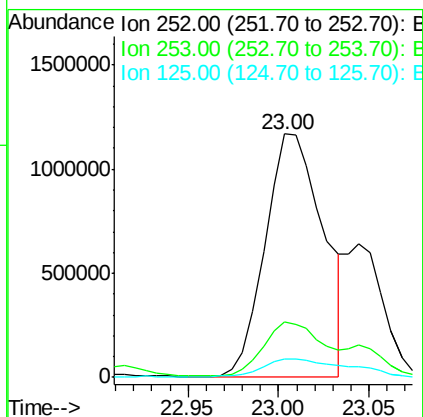
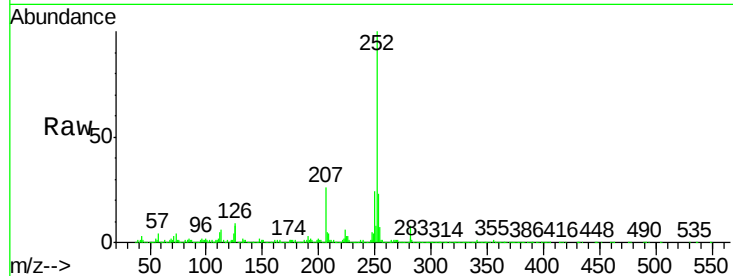




#86
Benzo(k)fluoranthene
Concen: 20.93 ng/ul
RT: 23.00 min Scan# 3386
Delta R.T. -0.05 min
Lab File: BM012593.D
Acq: 31 Oct 2017 03:00

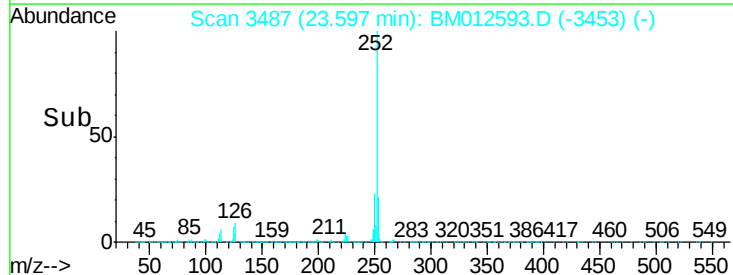
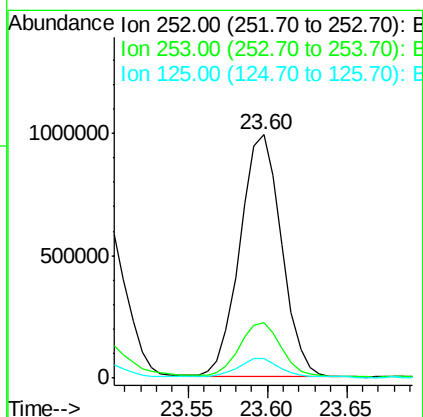
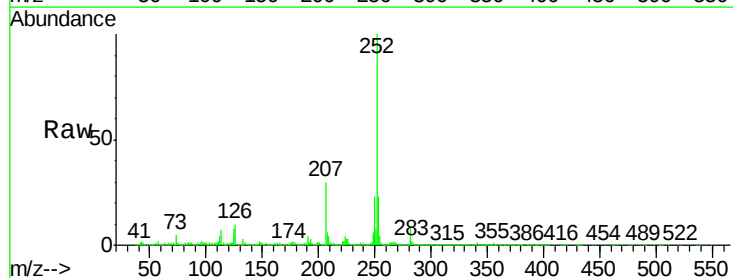
Instrument :
BNA_M
ClientSampleId :

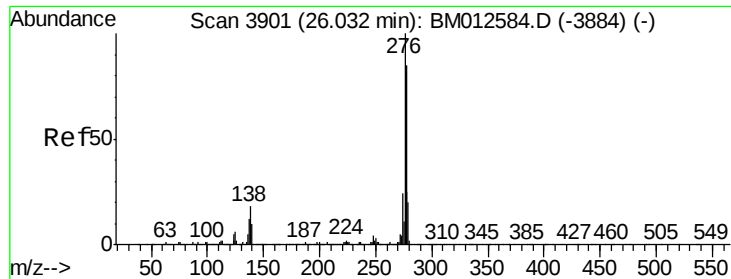
Tot Ion:252 Resp: 2600566
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 7.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 14.33 ng/ul
RT: 23.60 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BM012593.D
Acq: 31 Oct 2017 03:00

Tgt Ion:252 Resp: 1803668
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 7.9 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 9.61 ng/ul

RT: 26.03 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

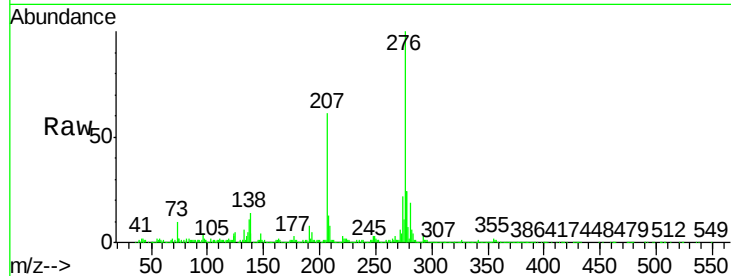
Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 1424107

Ion	Ratio	Lower	Upper
276	100		
138	14.0	9.3	13.9#
277	24.4	19.9	29.9

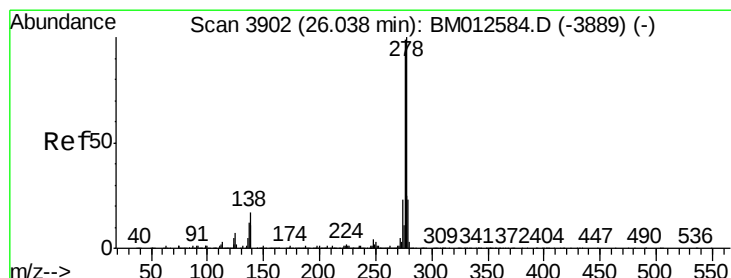
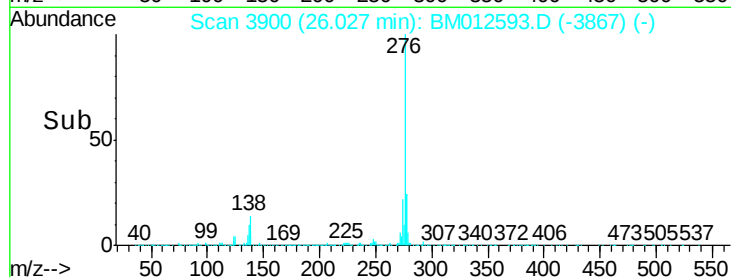
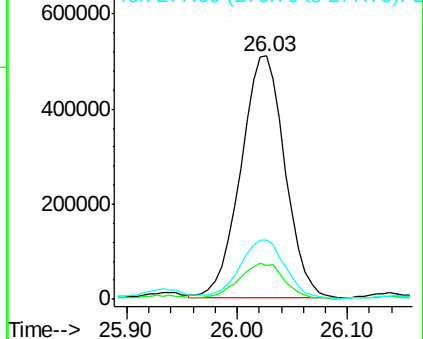


Abundance

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



#90

Dibenzo(a,h)anthracene

Concen: 3.07 ng/ul

RT: 26.03 min Scan# 3900

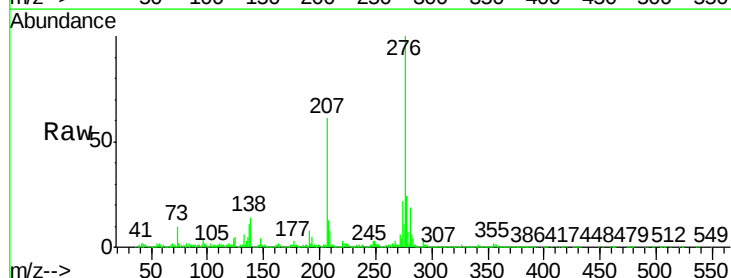
Delta R.T. -0.01 min

Lab File: BM012593.D

Acq: 31 Oct 2017 03:00

Tgt Ion:278 Resp: 385502

Ion	Ratio	Lower	Upper
278	100		
139	15.2	5.8	8.8#
279	27.5	18.6	27.8

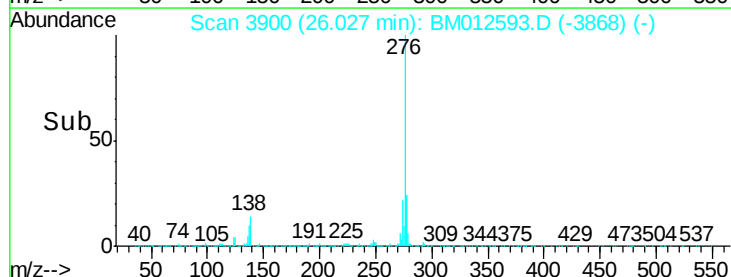
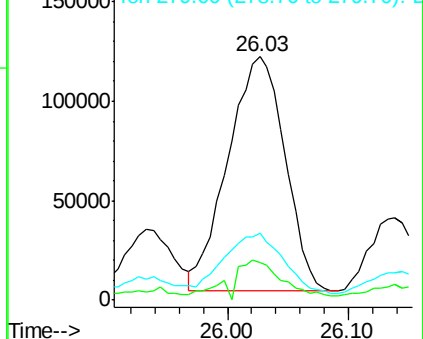


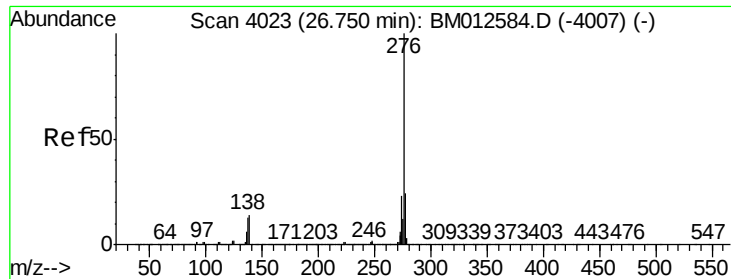
Abundance

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

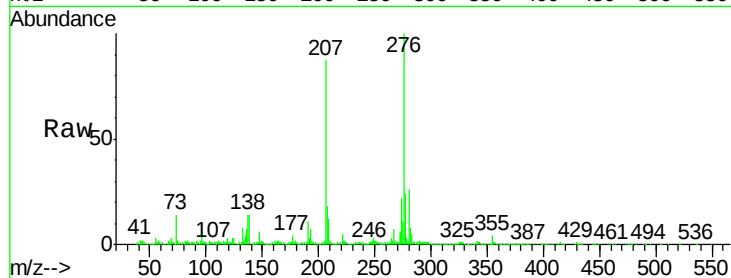




#91
 Benzo(a,h,i)perylene
 Concen: 9.59 ng/ul
 RT: 26.74 min Scan# 4021
 Delta R.T. -0.01 min
 Lab File: BM012593.D
 Acq: 31 Oct 2017 03:00

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 1151561
 Ion Ratio Lower Upper
 276 100
 138 14.4 8.5 12.7#
 277 24.0 18.6 28.0



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

