

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012777.D
 Acq On : 06 Nov 2017 14:59
 Operator : SJ/JU
 Sample : I5825-03DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-63(1-3)-101117DL

Quant Time: Nov 07 04:08:32 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	86290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	377779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	262990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	35954	20.00	ng/ul	0.10
77) Chrysene-d12	21.37	240	732745	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	660318	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.99	99	5713	0.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	3208	0.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	4756	0.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	5136	0.93	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	2497	0.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	2773	0.87	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	5497	0.84	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	2971	0.47	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	24132	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	27029	1.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	1236	0.35	ng/ul	0.03
57) Fluorene-d10	15.44	176	21565	1.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	1080	4.55	ng/ul	0.00
70) Anthracene-d10	17.29	188	35954	20.70	ng/ul	0.00
78) Pyrene-d10	19.59	212	38813	1.14	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	35994	1.15	ng/ul	0.00

Target Compounds

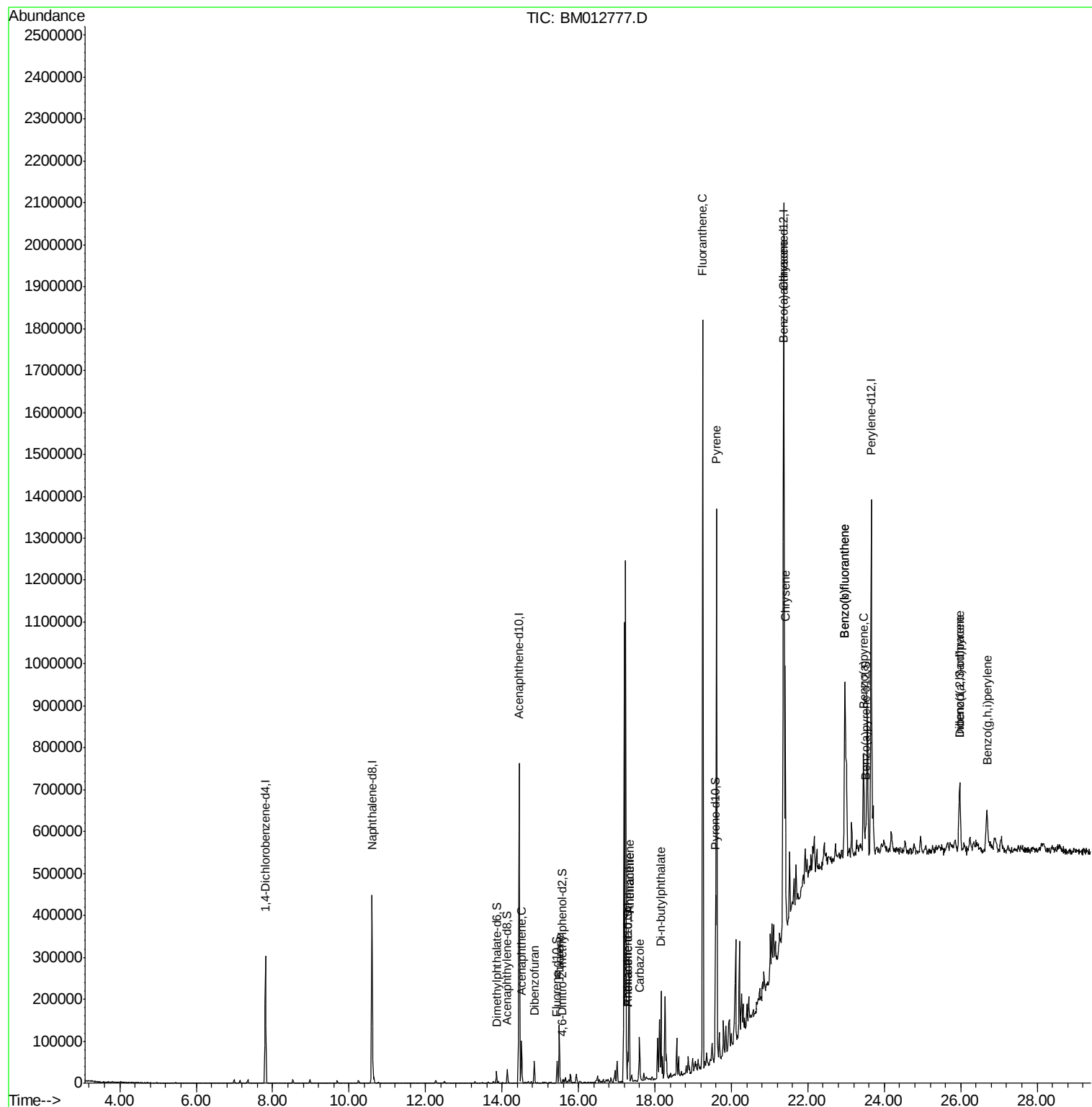
						Ovalue
49) Acenaphthene	14.51	153	43460	2.45	ng/ul	97
53) Dibenzofuran	14.84	168	38702	1.49	ng/ul	90
58) Fluorene	15.50	166	60138	2.79	ng/ul	98
69) Phenanthrene	17.33	178	191977	97.69	ng/ul	98
71) Anthracene	17.33	178	190966	93.72	ng/ul	99
74) Carbazole	17.60	167	64290	37.83	ng/ul	99
75) Di-n-butylphthalate	18.16	149	150729	75.69	ng/ul	99
76) Fluoranthene	19.25	202	1071996	453.94	ng/ul#	94
79) Pvrene	19.62	202	846762	19.37	ng/ul#	91
82) Benzo(a)anthracene	21.36	228	406741	9.17	ng/ul	100
84) Chrysene	21.41	228	358247	8.92	ng/ul	97
87) Benzo(b)fluoranthene	22.97	252	435594	10.79	ng/ul#	96
88) Benzo(k)fluoranthene	22.97	252	435594	11.36	ng/ul#	96
90) Benzo(a)pyrene	23.46	252	182099	4.74	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.97	276	155306	3.36	ng/ul#	83
92) Dibenzo(a,h)anthracene	25.97	278	40428	1.03	ng/ul#	86
93) Benzo(g,h,i)perylene	26.68	276	134158	3.52	ng/ul#	87

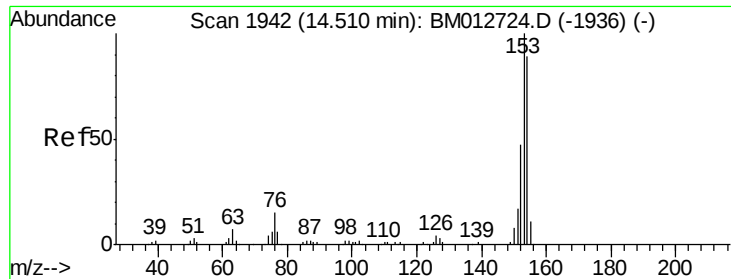
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#49

Acenaphthene

Concen: 2.45 ng/ul

RT: 14.51 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

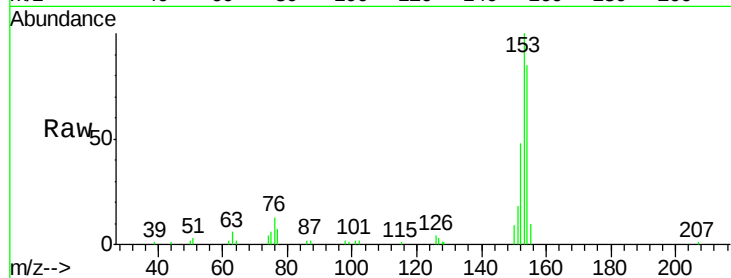
Tot Ion:153 Resp: 43460

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

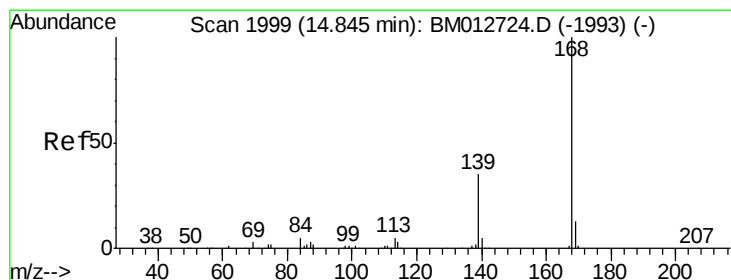
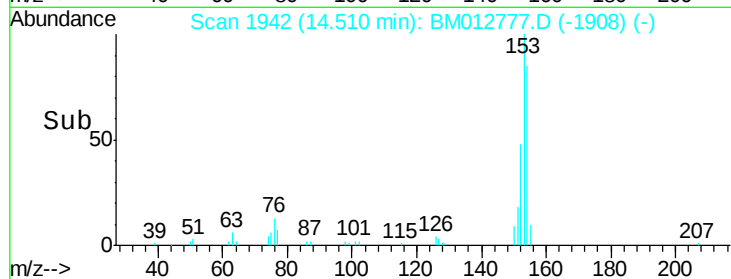
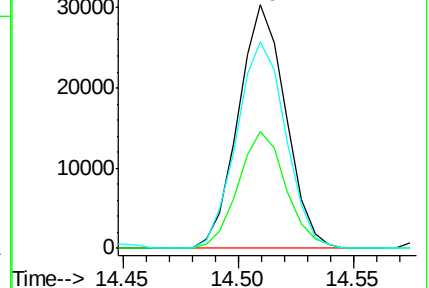
154 85.0 71.8 107.8



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: 1.49 ng/ul

RT: 14.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BM012777.D

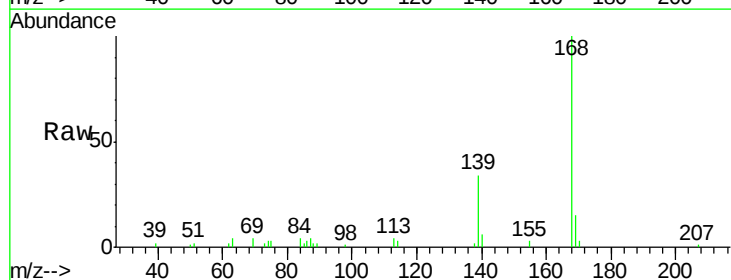
Acq: 06 Nov 2017 14:59

Tgt Ion:168 Resp: 38702

Ion Ratio Lower Upper

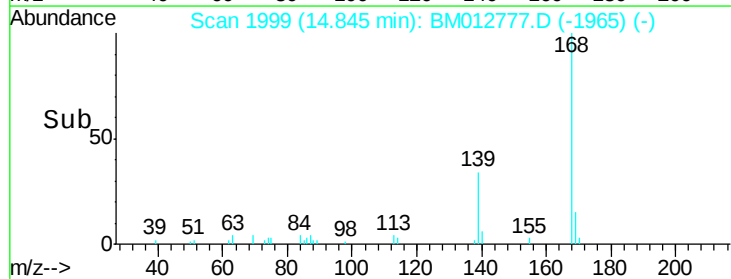
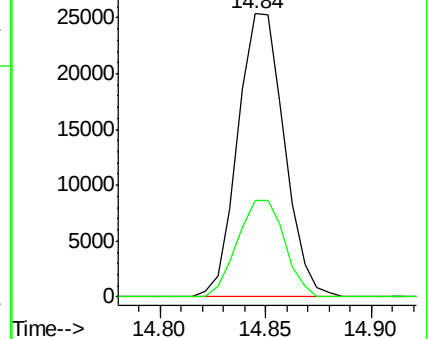
168 100

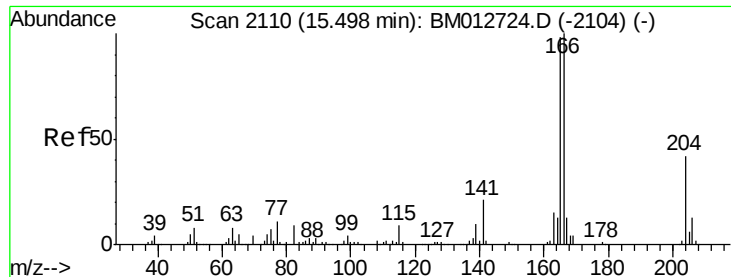
139 34.0 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.79 ng/ul

RT: 15.50 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

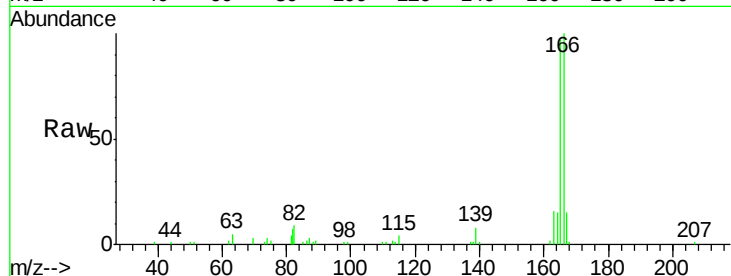
Tot Ion:166 Resp: 60138

Ion Ratio Lower Upper

166 100

165 97.0 78.5 117.7

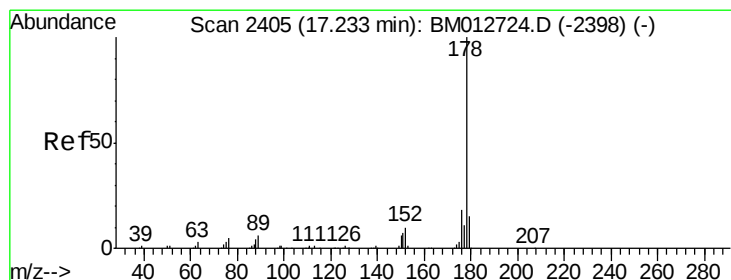
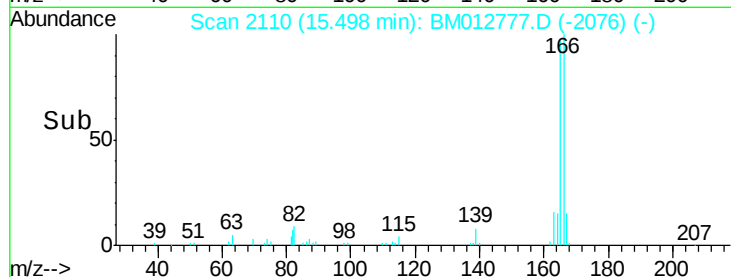
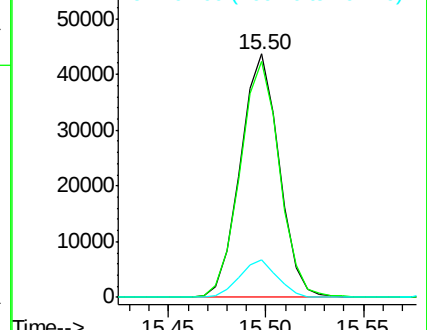
167 15.4 10.7 16.1



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: 97.69 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. 0.09 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

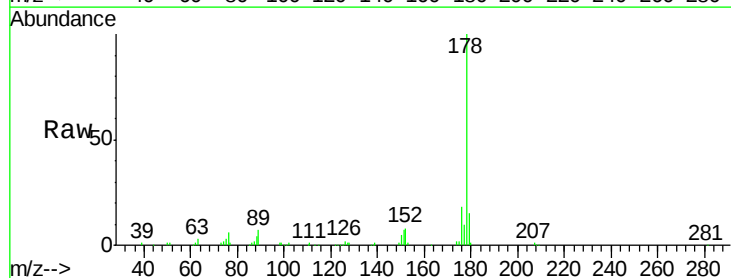
Tgt Ion:178 Resp: 191977

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

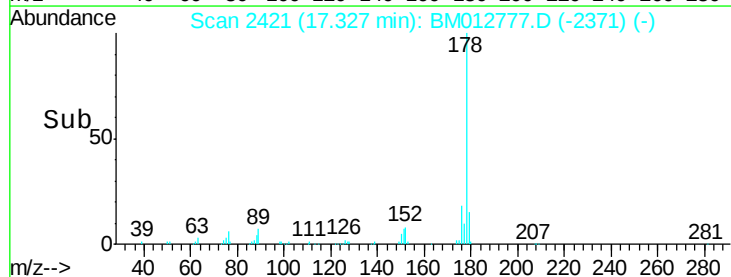
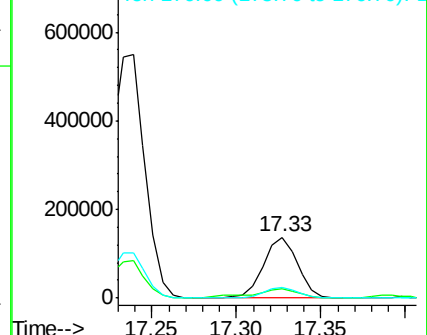
176 18.0 15.6 23.4

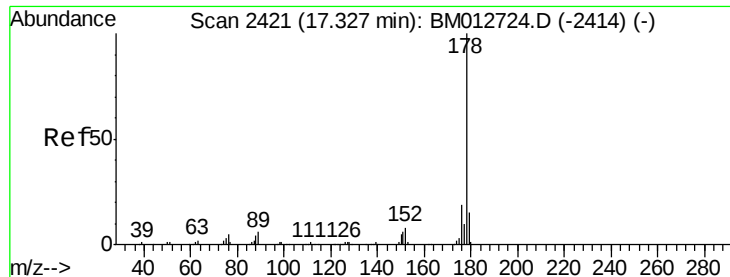


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

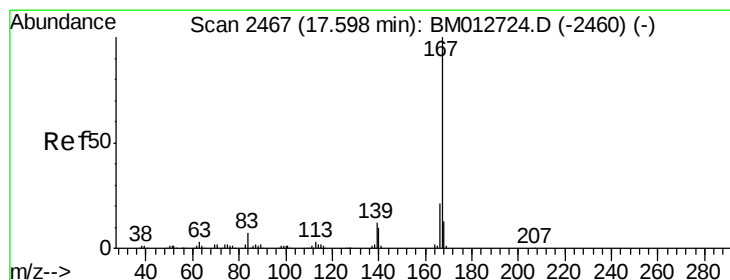
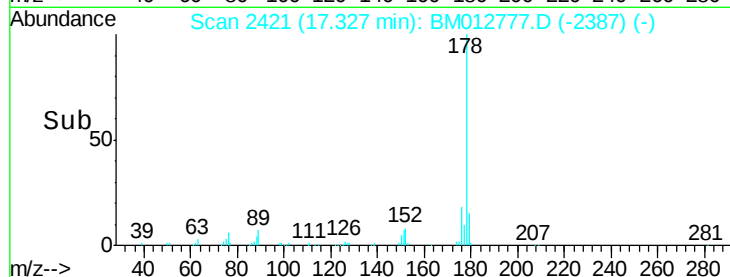
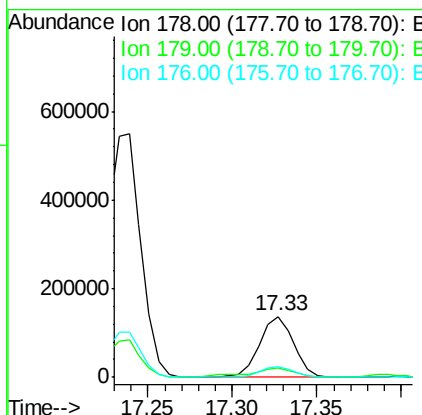
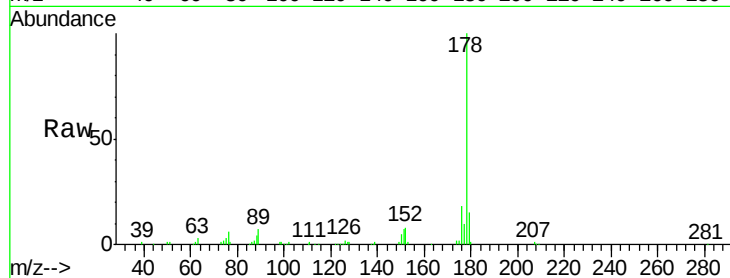




#71
 Anthracene
 Concen: 93.72 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: BM012777.D
 Acq: 06 Nov 2017 14:59

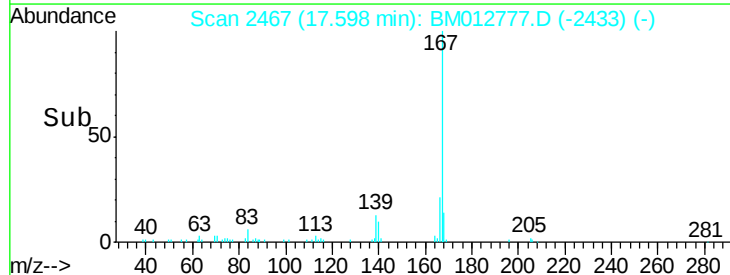
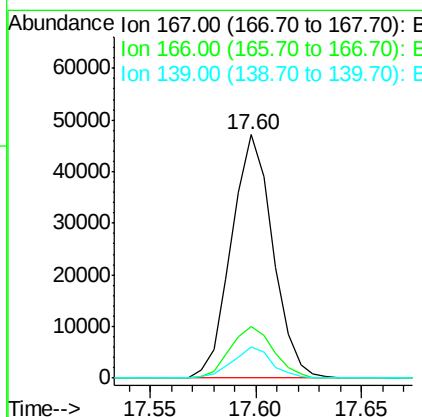
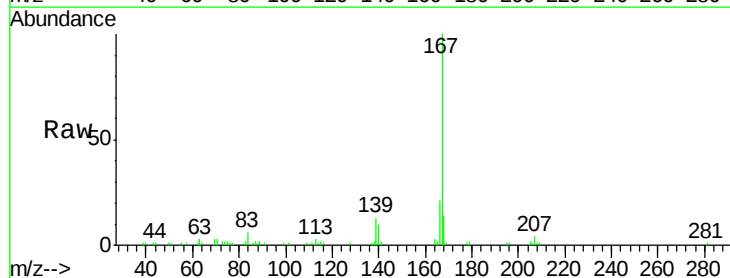
Instrument :
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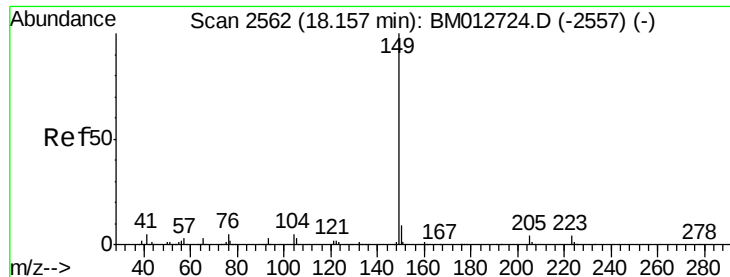
Tot Ion:178 Resp: 190966
 Ion Ratio Lower Upper
 178 100
 179 14.8 12.1 18.1
 176 18.0 14.8 22.2



#74
 Carbazole
 Concen: 37.83 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. -0.00 min
 Lab File: BM012777.D
 Acq: 06 Nov 2017 14:59

Tgt Ion:167 Resp: 64290
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 12.6 11.0 16.4

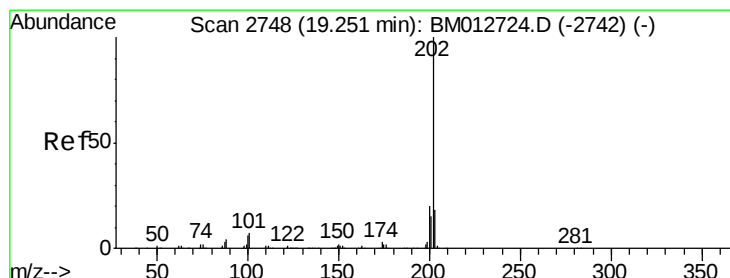
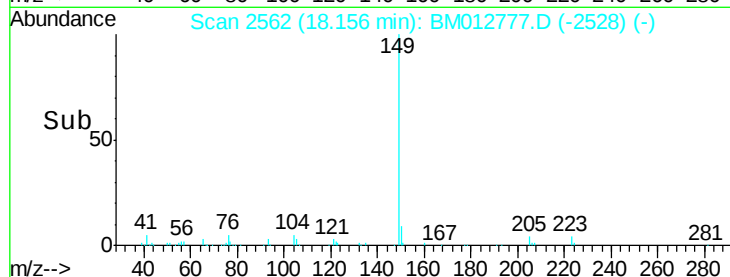
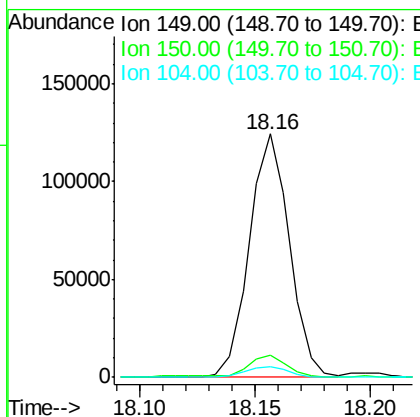
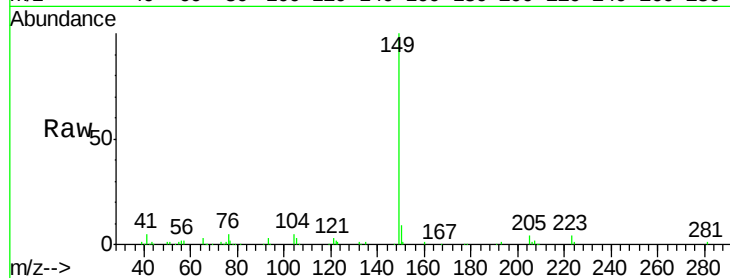




#75
Di-n-butylphthalate
Concen: 75.69 ng/ul
RT: 18.16 min Scan# 2562
Delta R.T. -0.00 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

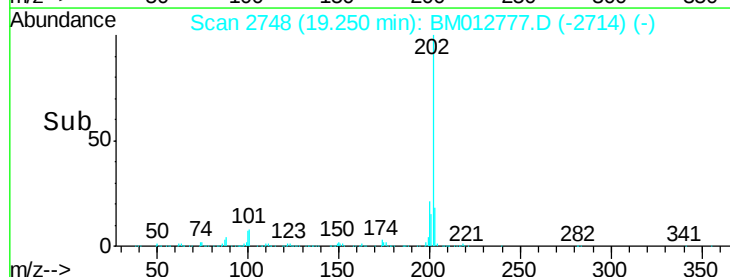
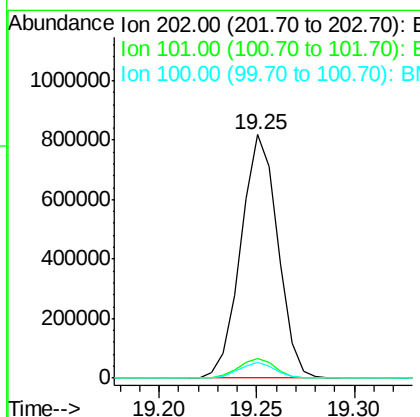
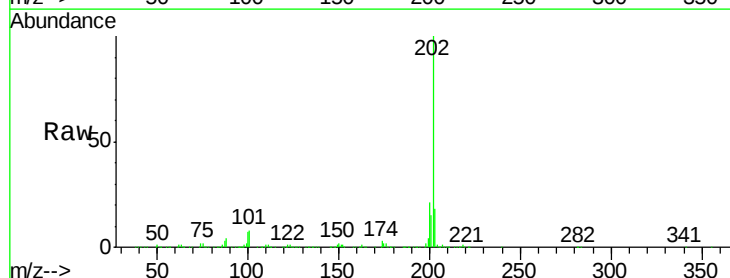
Instrument :
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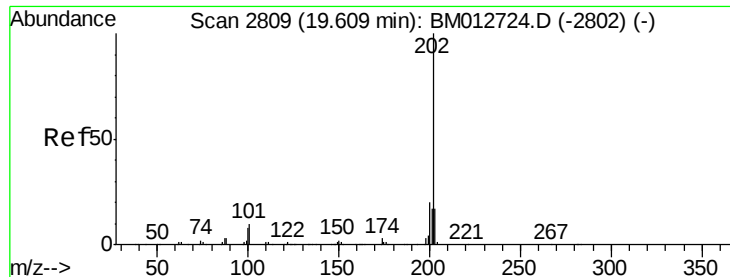
Tot Ion:149 Resp: 150729
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.6 4.0 6.0



#76
Fluoranthene
Concen: 453.94 ng/ul
RT: 19.25 min Scan# 2748
Delta R.T. -0.00 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

Tgt Ion:202 Resp: 1071996
Ion Ratio Lower Upper
202 100
101 8.3 8.8 13.2#
100 6.6 6.6 9.8

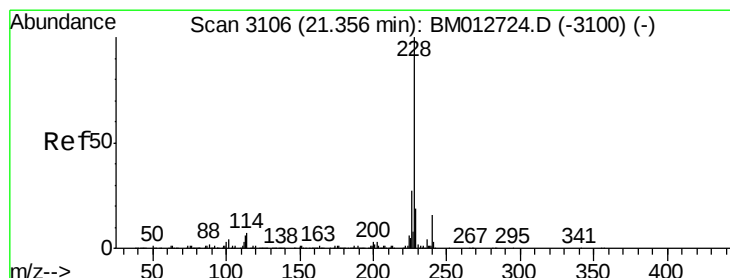
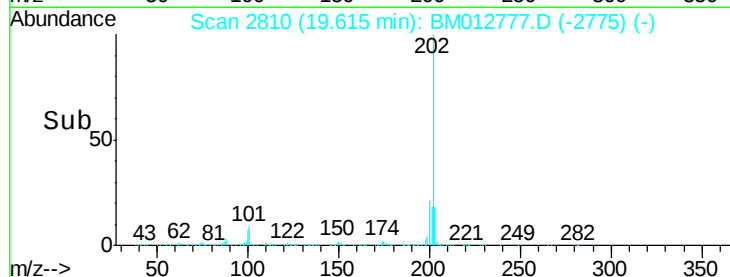
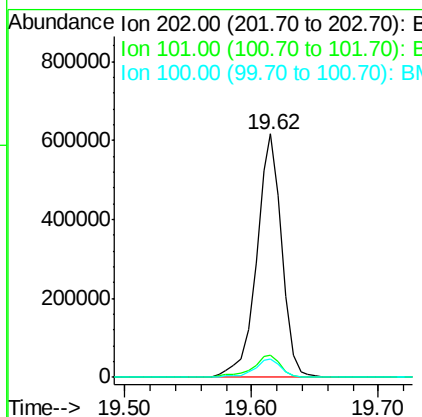
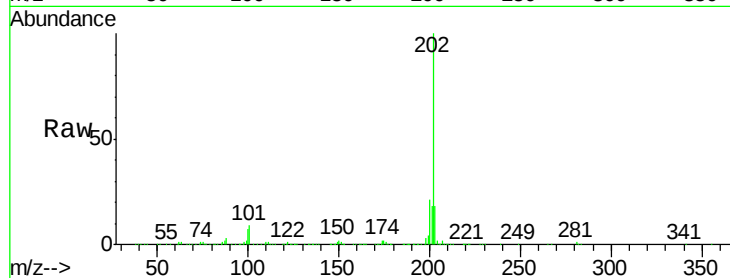




#79
Pvrene
Concen: 19.37 ng/ul
RT: 19.62 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

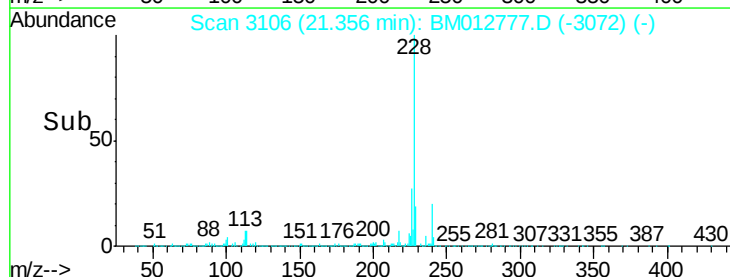
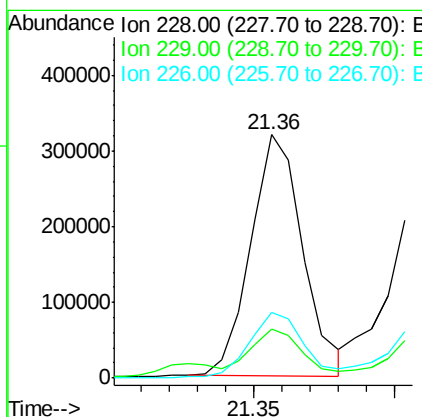
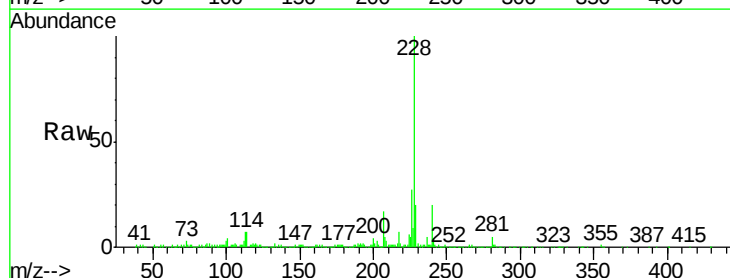
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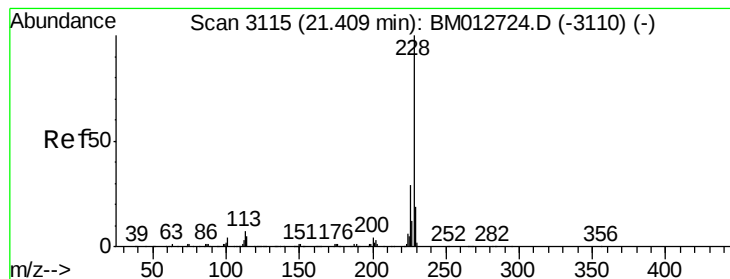
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	10.2	15.2#
100	7.4	8.5	12.7#



#82
Benzo(a)anthracene
Concen: 9.17 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM012777.D
Acq: 06 Nov 2017 14:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.7	23.5
226	27.2	21.8	32.6





#84

Chrysene

Concen: 8.92 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

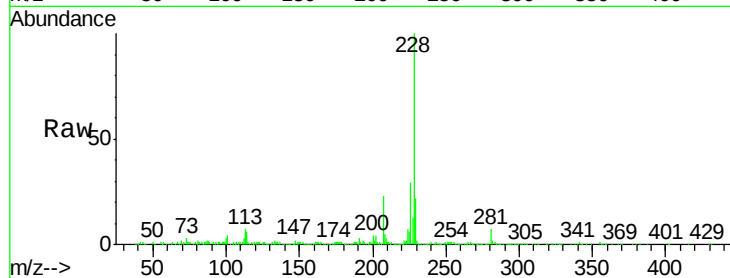
Tot Ion:228 Resp: 358247

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	22.3	15.6	23.4

228 100

226 29.1 24.0 36.0

229 22.3 15.6 23.4

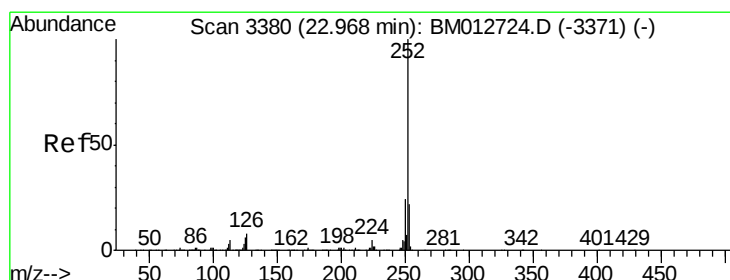
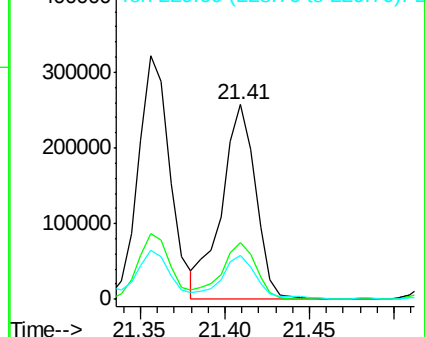
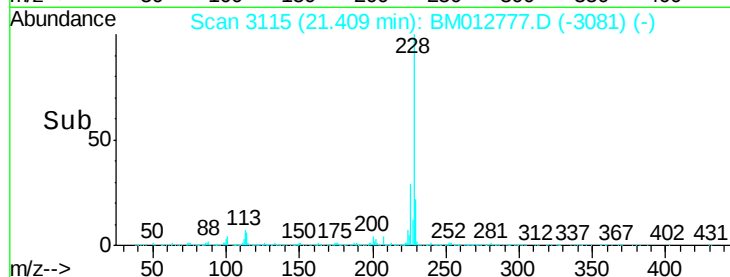


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 10.79 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

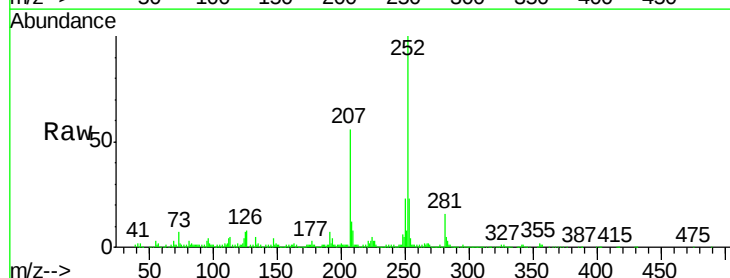
Tgt Ion:252 Resp: 435594

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	7.4	8.5	12.7

252 100

253 22.7 17.5 26.3

125 7.4 8.5 12.7

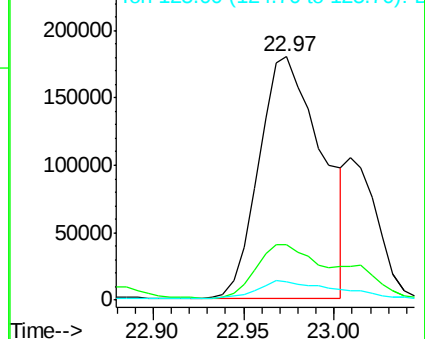
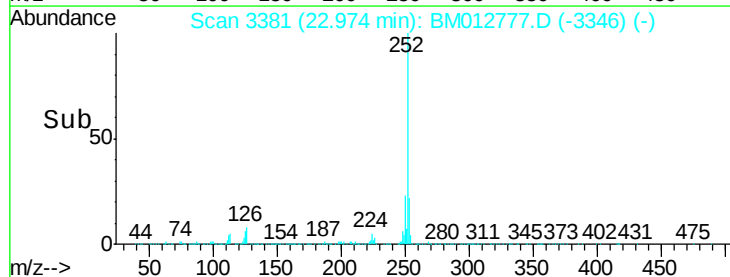


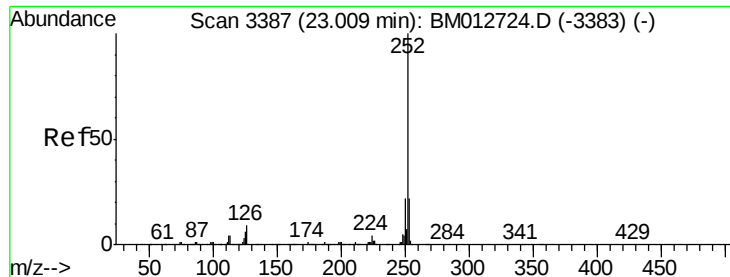
Abundance

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(k)fluoranthene

Concen: 11.36 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

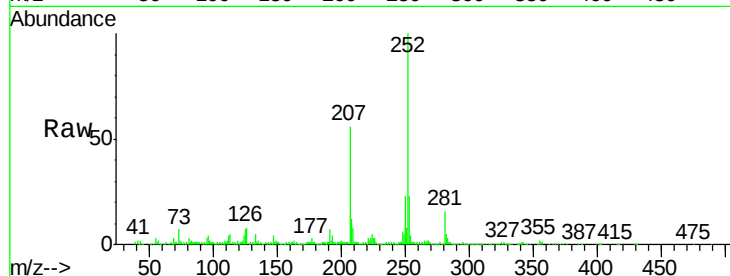
Tot Ion:252 Resp: 435594

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

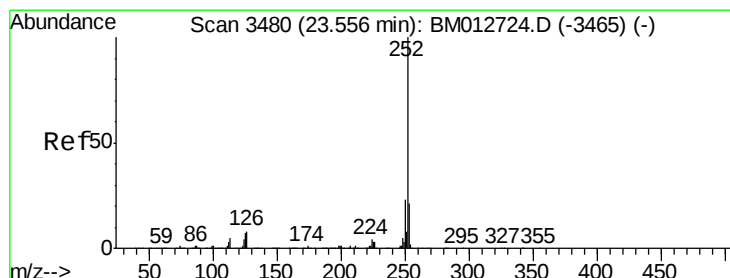
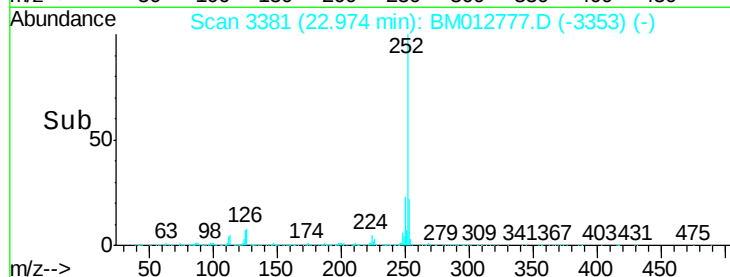
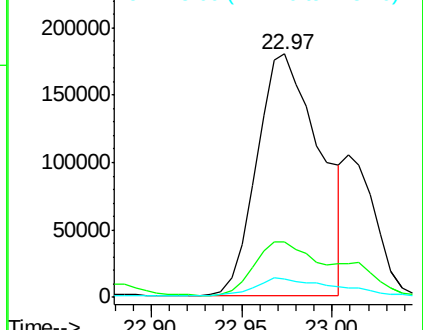
125 7.4 8.2 12.2#



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



#90

Benzo(a)pyrene

Concen: 4.74 ng/ul

RT: 23.46 min Scan# 3464

Delta R.T. -0.09 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

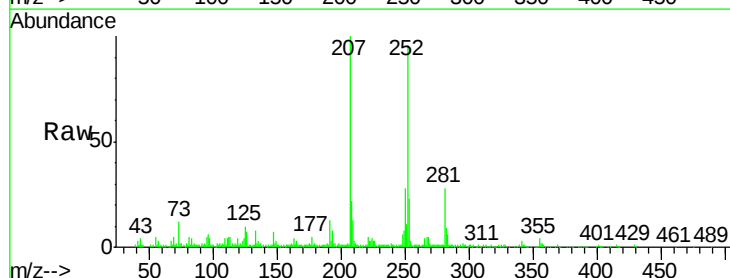
Tgt Ion:252 Resp: 182099

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

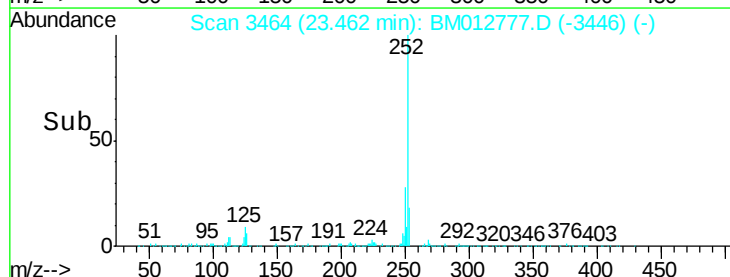
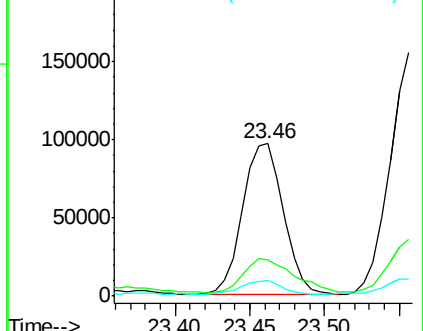
125 10.2 9.0 13.6

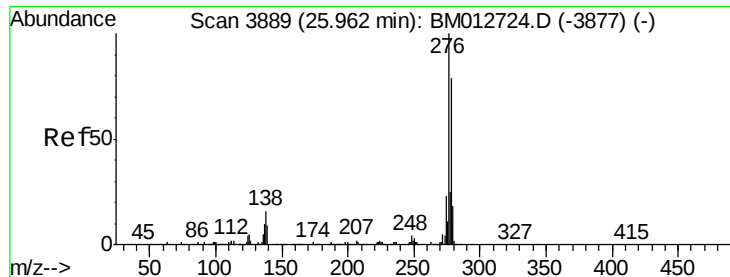


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.36 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

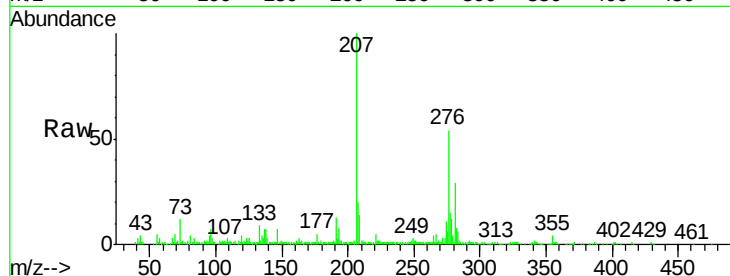
Tot Ion:276 Resp: 155306

Ion Ratio Lower Upper

276 100

138 12.8 22.3 33.5#

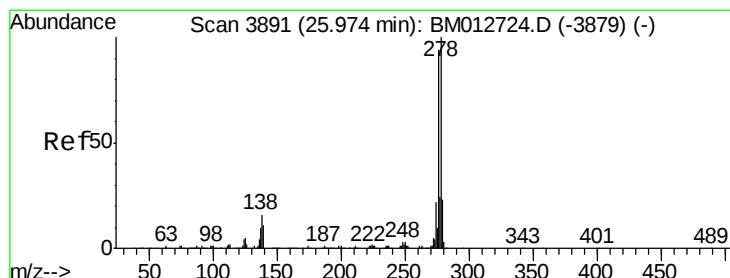
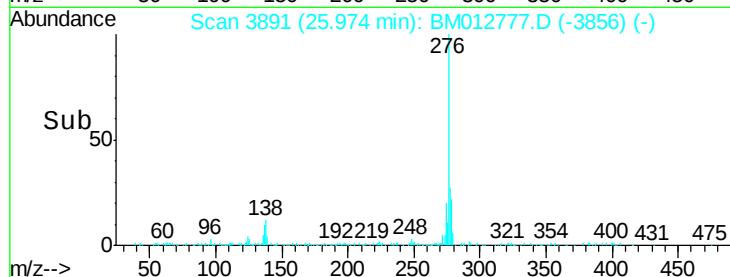
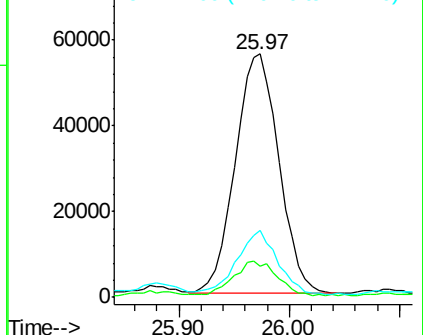
277 27.6 20.2 30.2



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



#92

Dibenzo(a,h)anthracene

Concen: 1.03 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

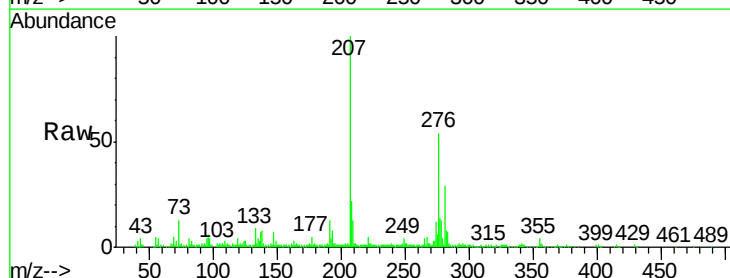
Tgt Ion:278 Resp: 40428

Ion Ratio Lower Upper

278 100

139 18.9 13.9 20.9

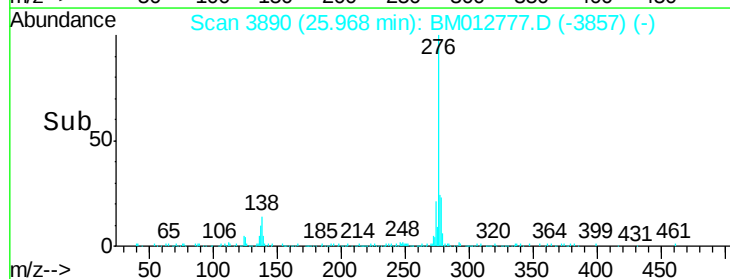
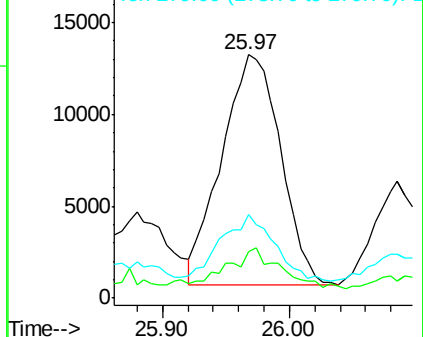
279 34.1 19.0 28.4#

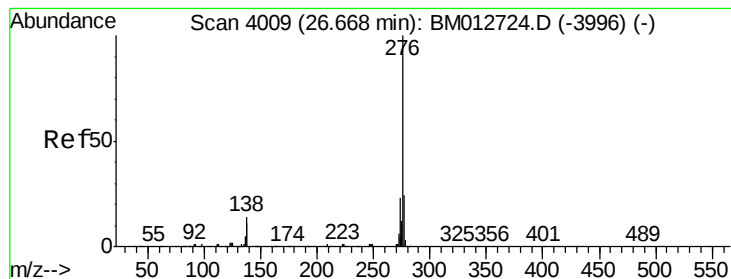


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 3.52 ng/ul

RT: 26.68 min Scan# 4011

Delta R.T. 0.01 min

Lab File: BM012777.D

Acq: 06 Nov 2017 14:59

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117DL

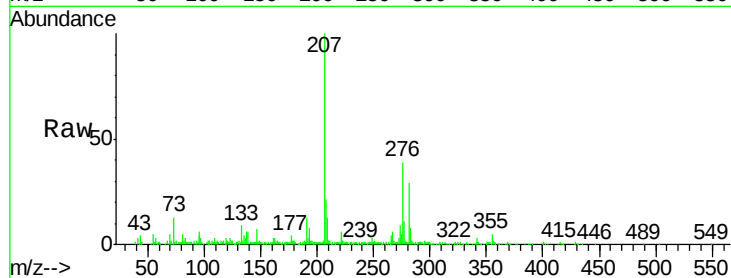
Tot Ion:276 Resp: 134158

Ion Ratio Lower Upper

276 100

138 14.1 18.9 28.3#

277 27.0 19.2 28.8



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

