

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
 Data File : BM012739.D
 Acq On : 05 Nov 2017 10:12
 Operator : SJ/JU
 Sample : I5825-03 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Nov 06 03:30:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 03:22:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	116772	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	438696	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	252881	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.30	188	164505	20.00	ng/ul	0.11
77) Chrysene-d12	21.38	240	653116	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	732156	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	1932	0.89	ng/uL	0.00
5) Phenol-d5	6.99	99	42484	4.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	23840	5.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	38641	5.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	37720	5.03	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	17657	5.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	19332	5.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	39847	5.24	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	28255	3.85	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	122052	5.83	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	150701	5.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	12640	3.77	ng/ul	0.02
57) Fluorene-d10	15.44	176	104969	5.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	2724	2.51	ng/ul	0.02
70) Anthracene-d10	17.30	188	164505	20.70	ng/ul	0.00
78) Pyrene-d10	19.59	212	187249	6.18	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	209815	6.06	ng/ul	0.02

Target Compounds

						Ovalue
28) Naphthalene	10.66	128	78645	3.59	ng/ul	98
30) 4-Chloroaniline	10.66	127	10026	1.36	ng/ul#	1
34) 2-Methylnaphthalene	12.27	142	31041	1.85	ng/ul	99
44) Dimethylphthalate	13.91	163	23364	1.13	ng/ul#	97
49) Acenaphthene	14.52	153	229850	13.45	ng/ul	97
53) Dibenzofuran	14.85	168	199722	8.01	ng/ul	94
58) Fluorene	15.50	166	309950	14.97	ng/ul	99
69) Phenanthrene	17.33	178	940152	104.56	ng/ul	99
71) Anthracene	17.33	178	937812	100.59	ng/ul	100
74) Carbazole	17.60	167	314388	40.43	ng/ul	98
75) Di-n-butylphthalate	18.16	149	712559	78.21	ng/ul	100
76) Fluoranthene	19.26	202	4962655	459.30	ng/ul#	94
79) Pyrene	19.63	202	3902637	100.15	ng/ul#	92
80) Butylbenzylphthalate	20.52	149	17131	1.21	ng/ul	89
82) Benzo(a)anthracene	21.37	228	1967709	49.79	ng/ul	99
84) Chrysene	21.42	228	1785054	49.84	ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	2355734	52.65	ng/ul#	97
88) Benzo(k)fluoranthene	22.99	252	2355734	55.39	ng/ul#	96
90) Benzo(a)pyrene	23.47	252	1066582	25.05	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	26.00	276	1133007	22.08	ng/ul#	84
92) Dibenzo(a,h)anthracene	26.00	278	288037	6.63	ng/ul#	80
93) Benzo(a,h,i)perylene	26.71	276	982038	23.23	ng/ul#	90

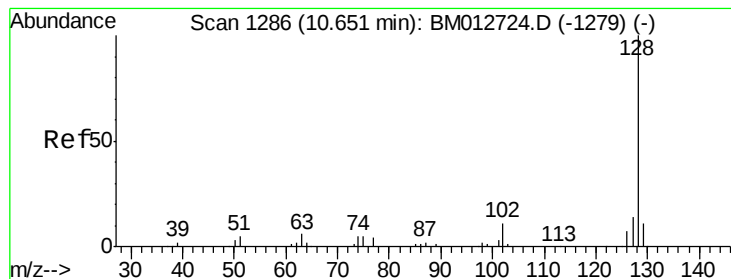
Data Path : Z:\HPCHEM1\BNA M\DATA\BM110417\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 03:22:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28

Naphthalene

Concen: 3.59 ng/ul

RT: 10.66 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117

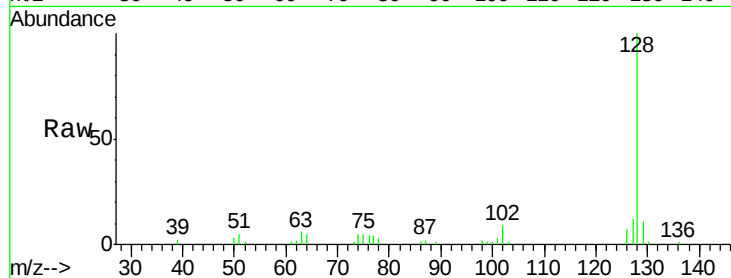
Tot Ion:128 Resp: 78645

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

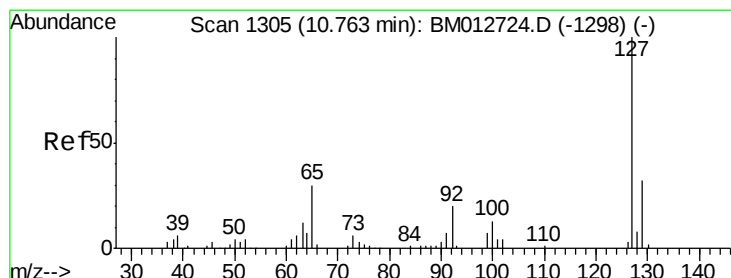
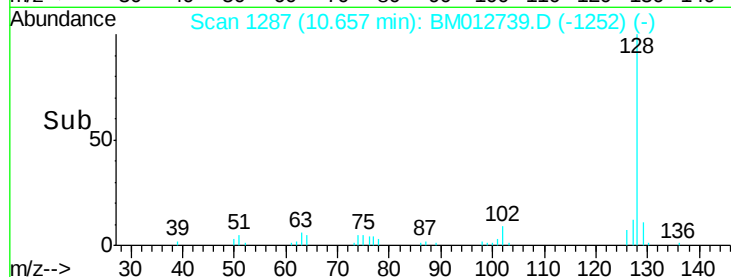
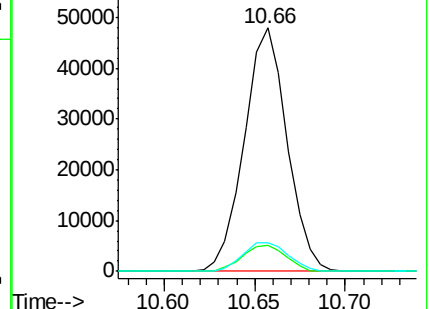
127 12.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 1.36 ng/ul

RT: 10.66 min Scan# 1287

Delta R.T. -0.11 min

Lab File: BM012739.D

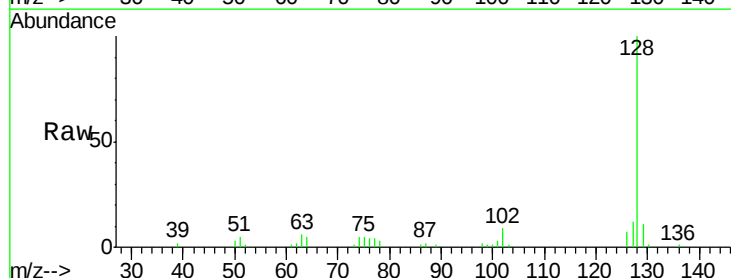
Acq: 05 Nov 2017 10:12

Tgt Ion:127 Resp: 10026

Ion Ratio Lower Upper

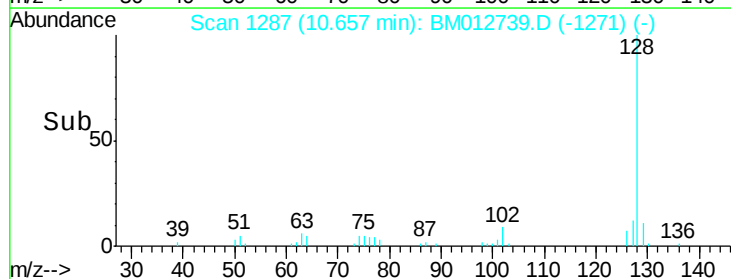
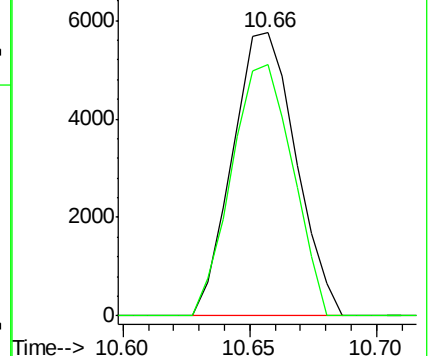
127 100

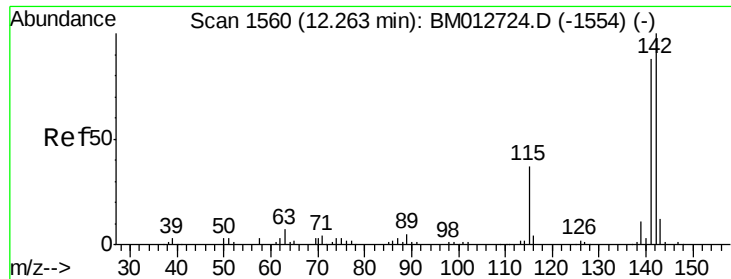
129 88.8 25.4 38.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

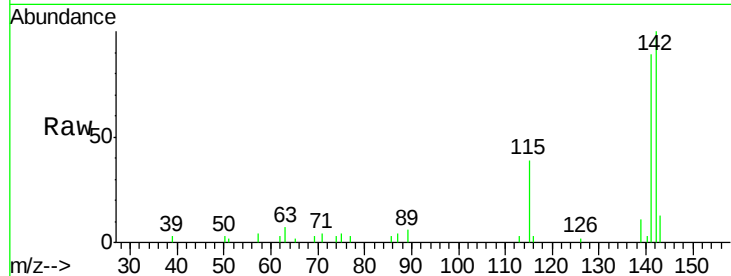




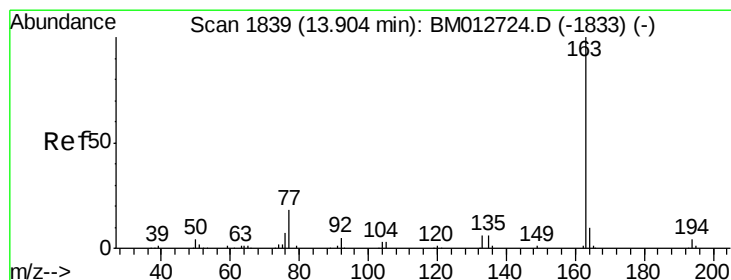
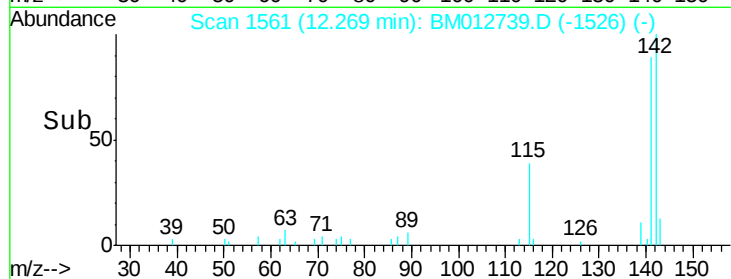
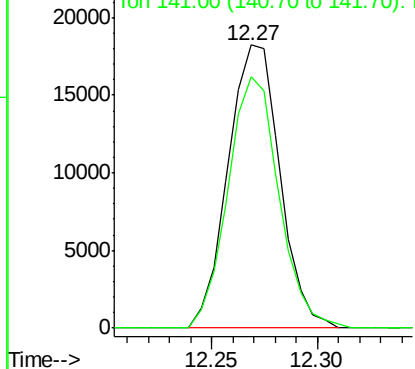
#34
2-Methylnaphthalene
Concen: 1.85 ng/ul
RT: 12.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

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

Tot Ion:142 Resp: 31041
Ion Ratio Lower Upper
142 100
141 88.9 71.6 107.4

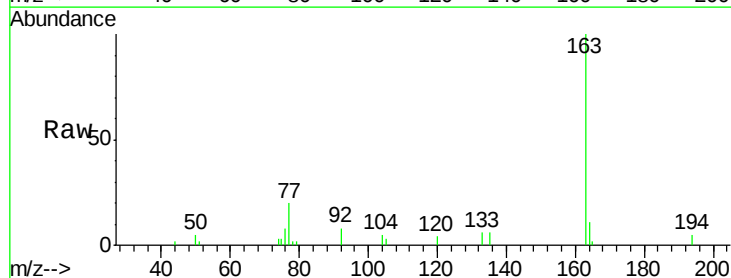


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

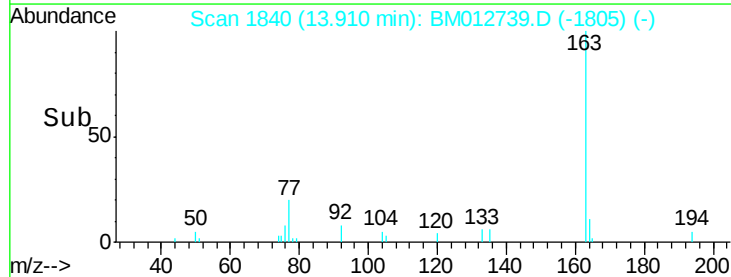
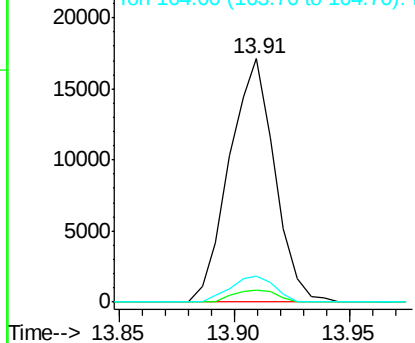


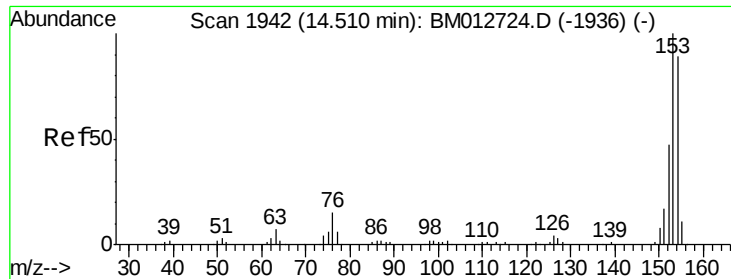
#44
Dimethylphthalate
Concen: 1.13 ng/ul
RT: 13.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

Tgt Ion:163 Resp: 23364
Ion Ratio Lower Upper
163 100
194 5.1 3.2 4.8#
164 10.7 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: 13.45 ng/ul

RT: 14.52 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117

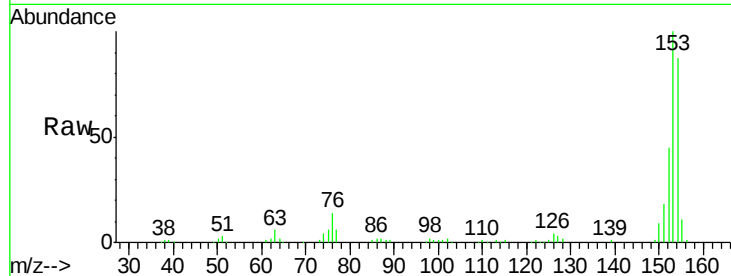
Tot Ion:153 Resp: 229850

Ion Ratio Lower Upper

153 100

152 45.0 38.3 57.5

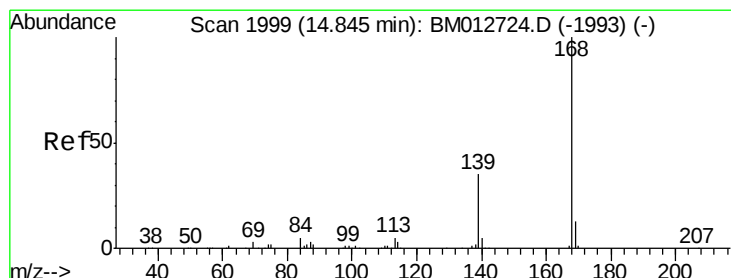
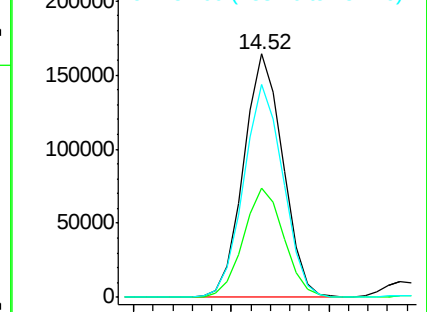
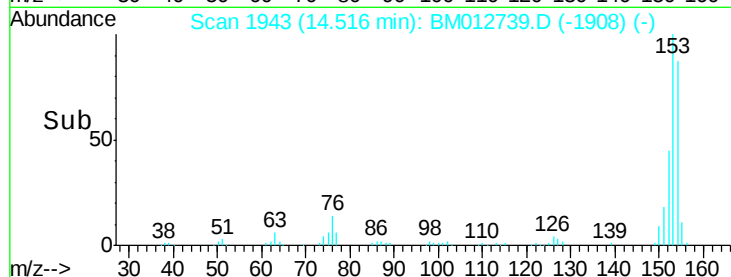
154 87.3 71.8 107.8



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: 8.01 ng/ul

RT: 14.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BM012739.D

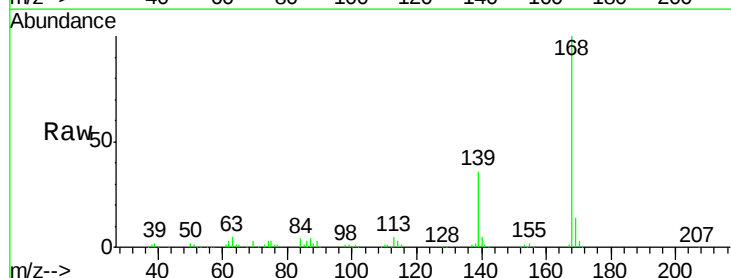
Acq: 05 Nov 2017 10:12

Tgt Ion:168 Resp: 199722

Ion Ratio Lower Upper

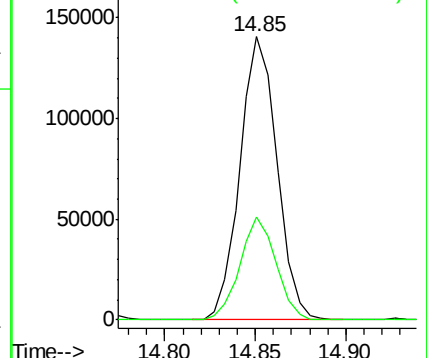
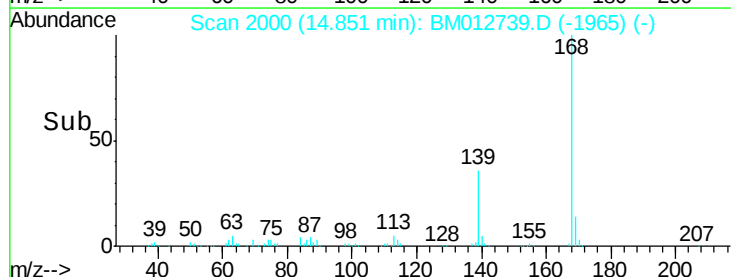
168 100

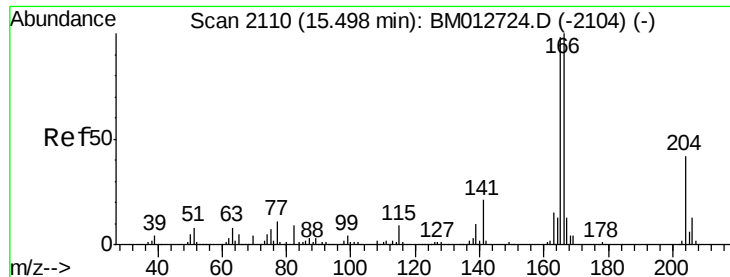
139 36.5 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.97 ng/ul

RT: 15.50 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117

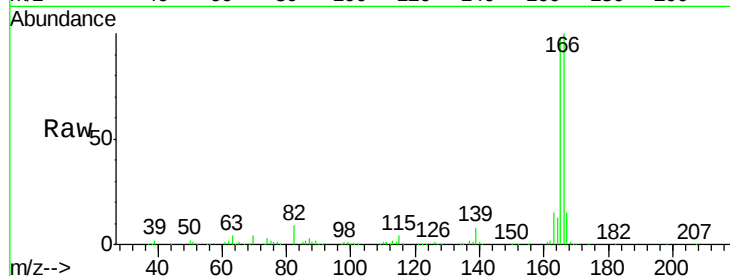
Tot Ion:166 Resp: 309950

Ion Ratio Lower Upper

166 100

165 97.6 78.5 117.7

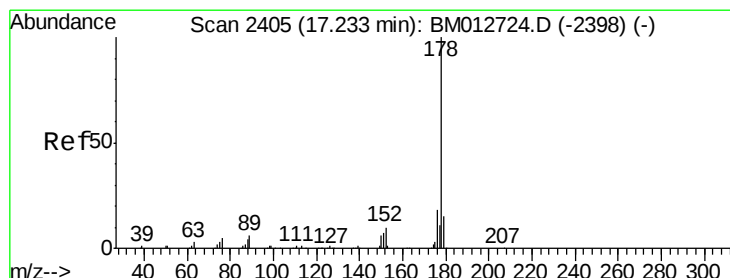
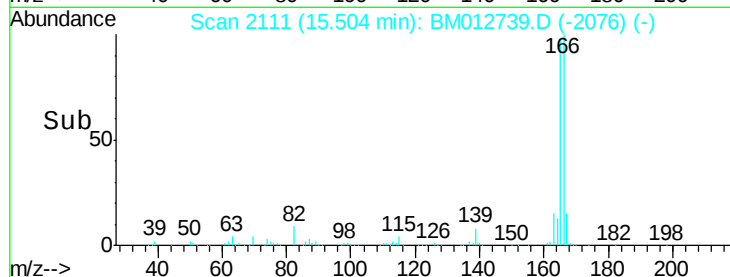
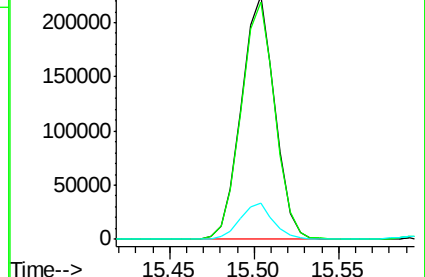
167 14.6 10.7 16.1



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: 104.56 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.10 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

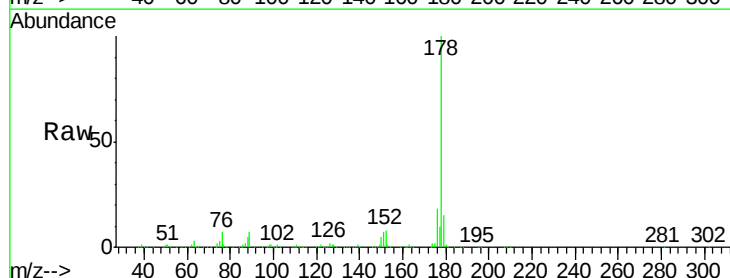
Tgt Ion:178 Resp: 940152

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

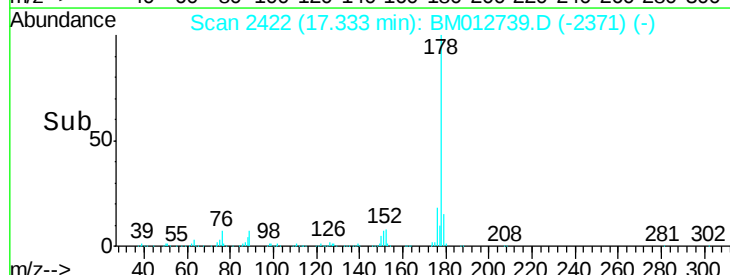
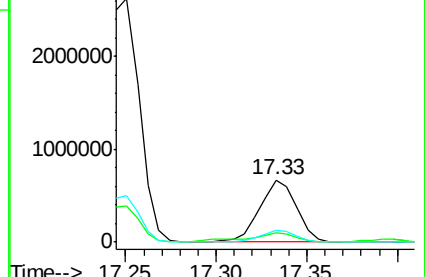
176 18.3 15.6 23.4

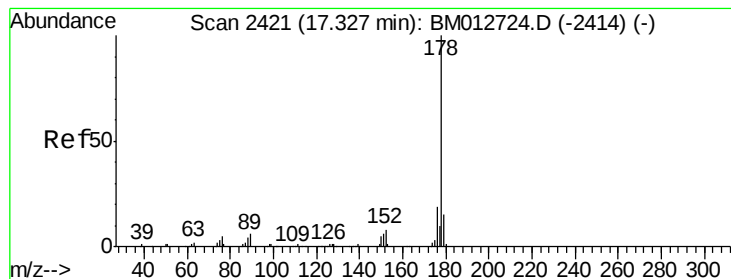


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 100.59 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

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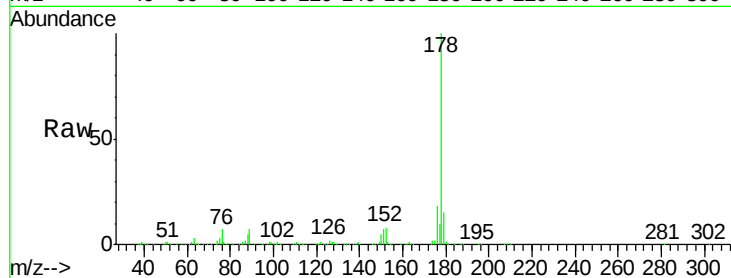
Tot Ion:178 Resp: 937812

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

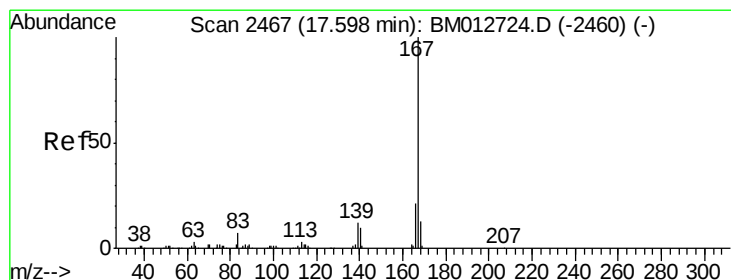
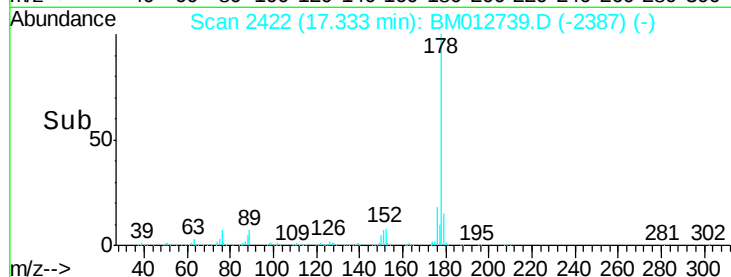
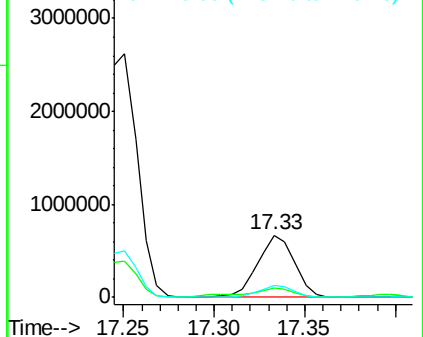
176 18.3 14.8 22.2



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

Carbazole

Concen: 40.43 ng/ul

RT: 17.60 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

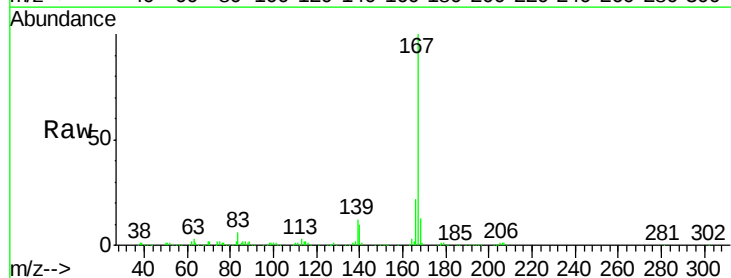
Tgt Ion:167 Resp: 314388

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

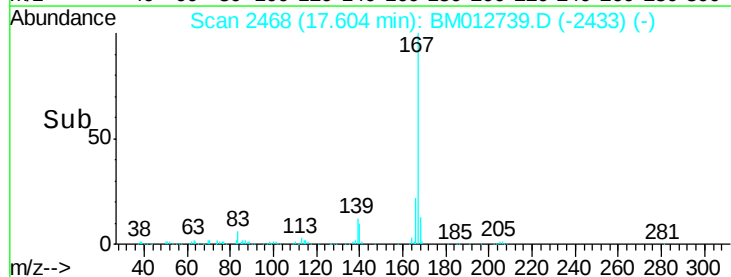
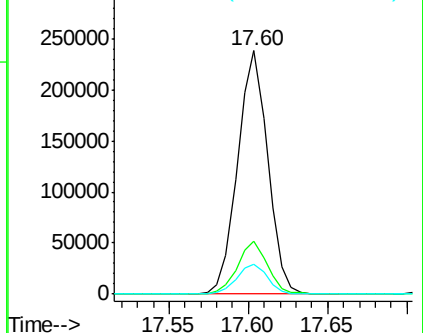
139 12.2 11.0 16.4

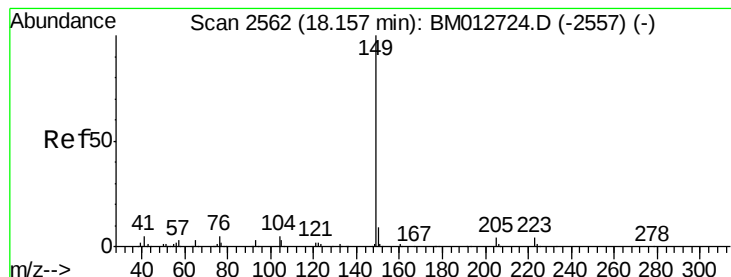


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Di-n-butylphthalate

Concen: 78.21 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

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B-63(1-3)-101117

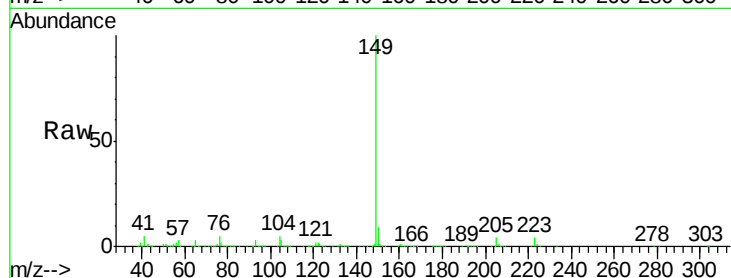
Tot Ion:149 Resp: 712559

Ion Ratio Lower Upper

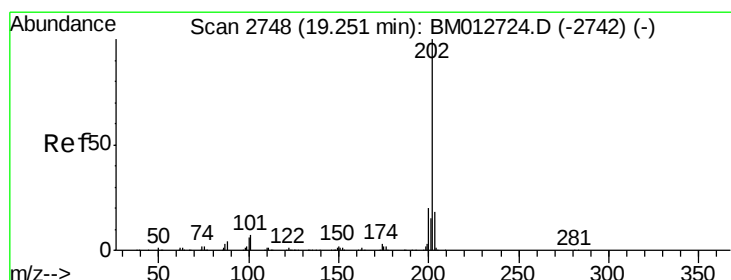
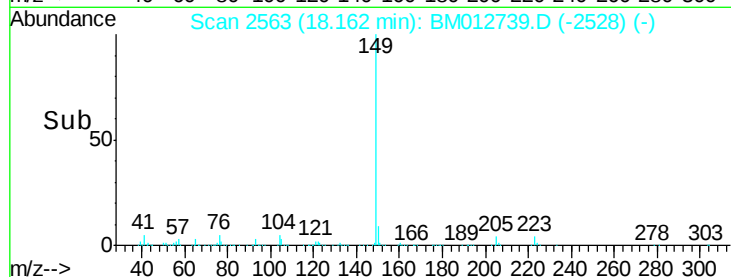
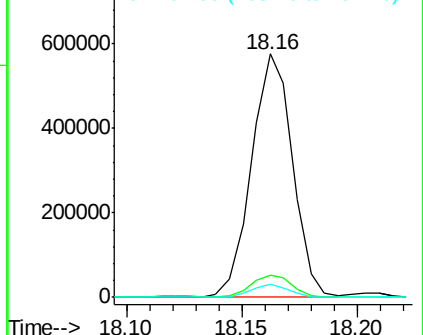
149 100

150 9.3 7.4 11.0

104 5.2 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#76

Fluoranthene

Concen: 459.30 ng/ul

RT: 19.26 min Scan# 2750

Delta R.T. 0.01 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

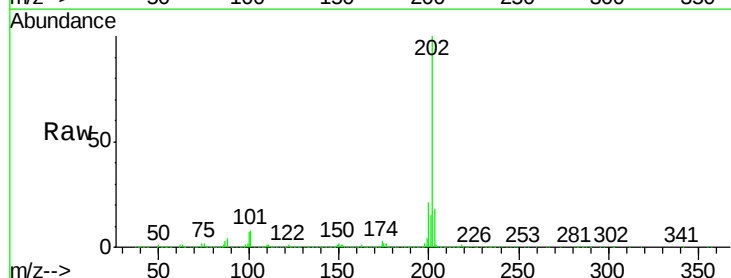
Tgt Ion:202 Resp: 4962655

Ion Ratio Lower Upper

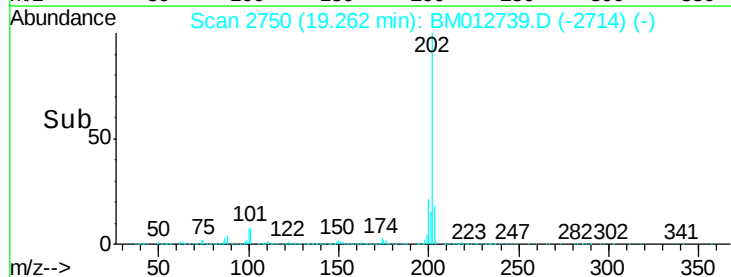
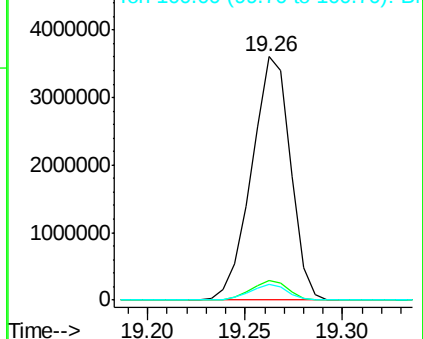
202 100

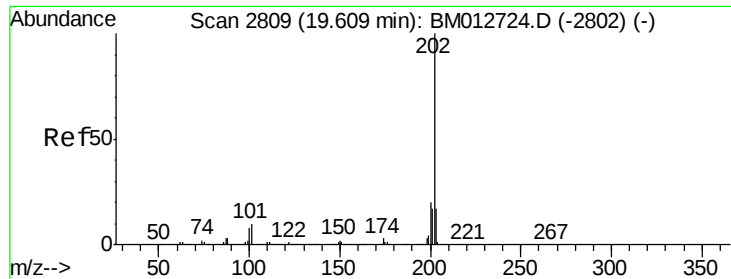
101 8.2 8.8 13.2#

100 6.5 6.6 9.8#



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

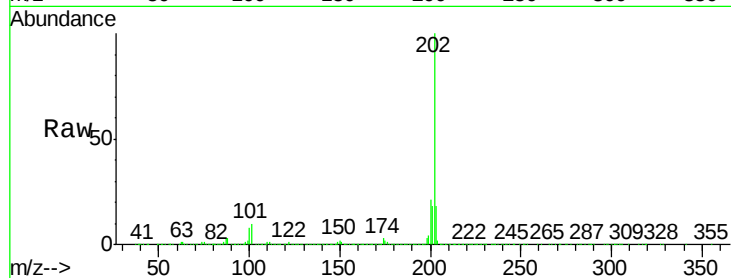




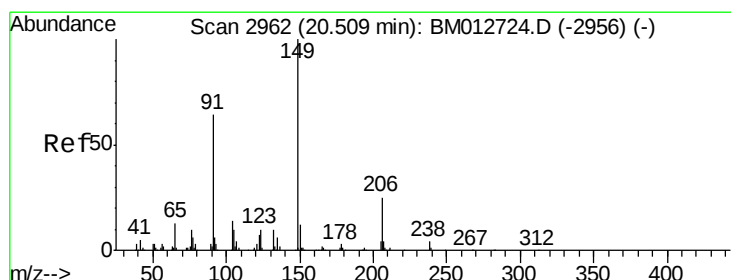
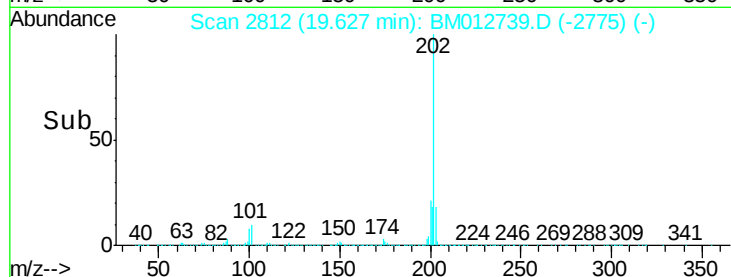
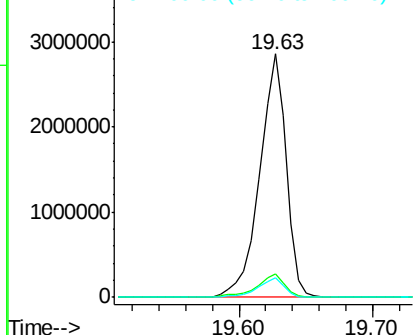
#79
Pvrene
Concen: 100.15 ng/ul
RT: 19.63 min Scan# 2812
Delta R.T. 0.02 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

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

Tot Ion:202 Resp: 3902637
Ion Ratio Lower Upper
202 100
101 9.5 10.2 15.2#
100 8.0 8.5 12.7#

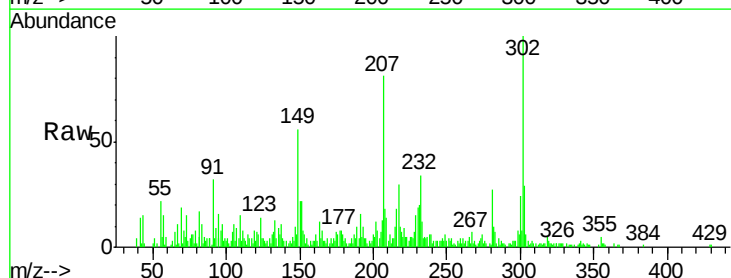


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

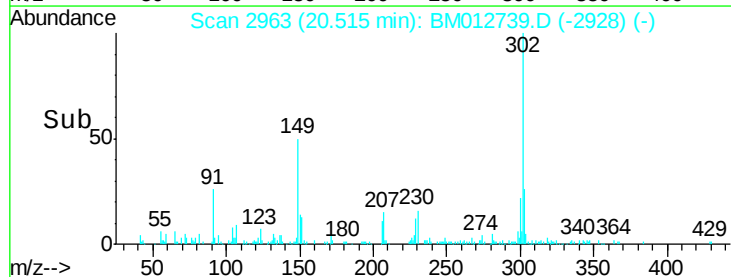
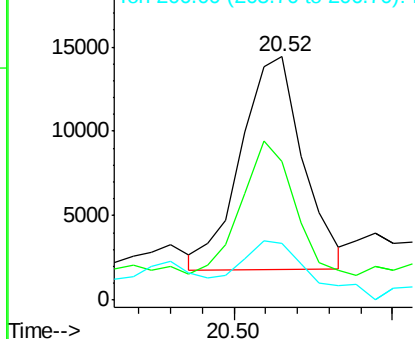


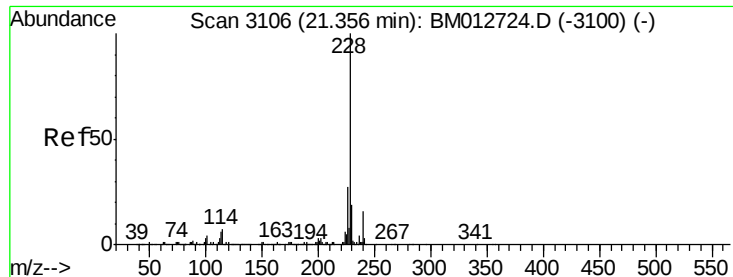
#80
Butylbenzylphthalate
Concen: 1.21 ng/ul
RT: 20.52 min Scan# 2963
Delta R.T. 0.01 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

Tgt Ion:149 Resp: 17131
Ion Ratio Lower Upper
149 100
91 56.8 53.4 80.2
206 23.4 16.6 24.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

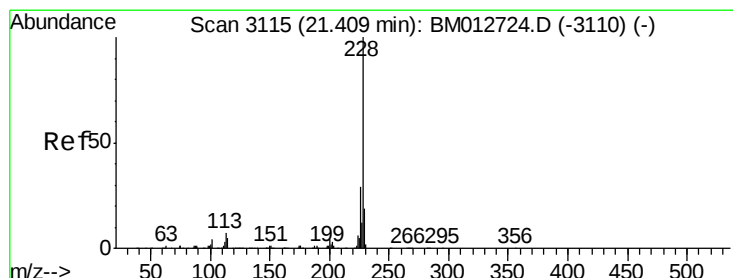
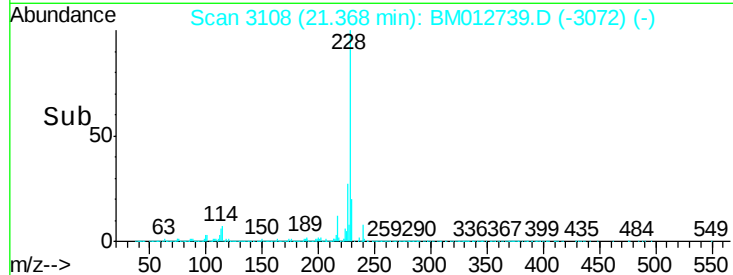
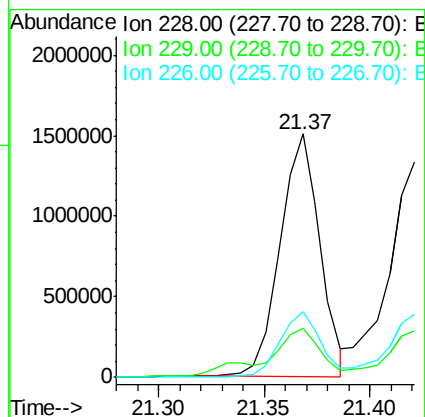
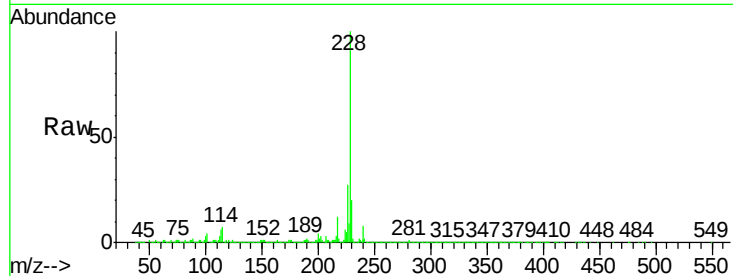




#82
Benzo(a)anthracene
Concen: 49.79 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

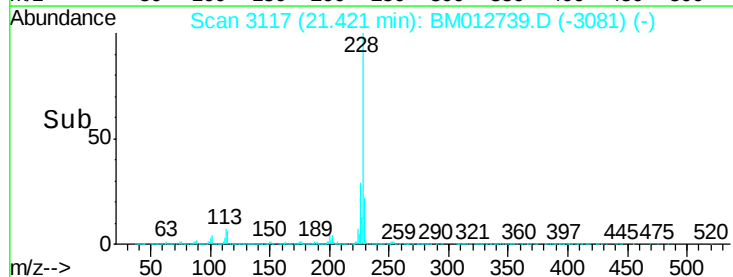
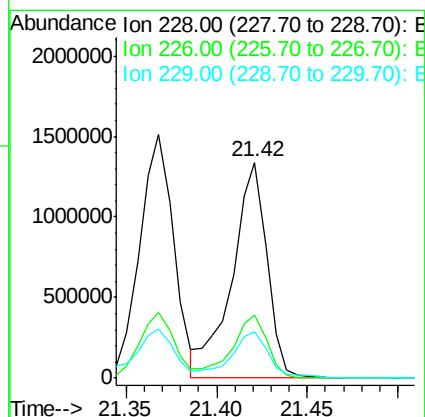
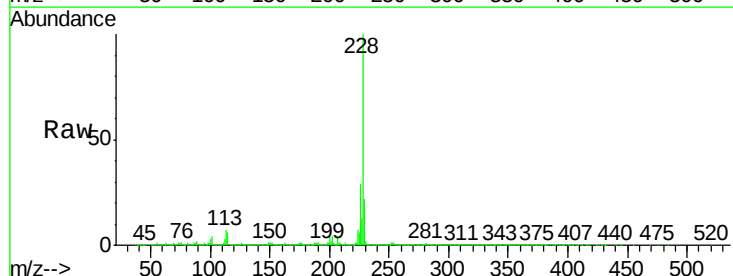
Instrument :
BNA_M
ClientSampleId :
B-63(1-3)-101117

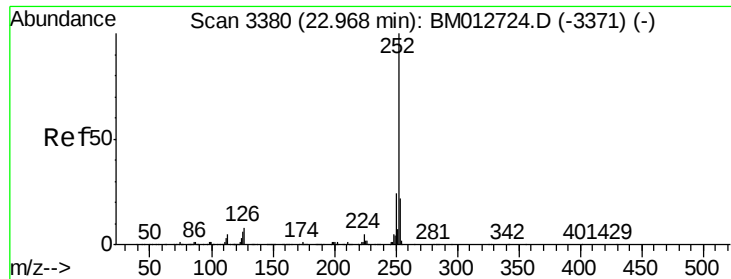
Tot Ion:228 Resp: 1967709
Ion Ratio Lower Upper
228 100
229 20.2 15.7 23.5
226 27.1 21.8 32.6



#84
Chrysene
Concen: 49.84 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

Tgt Ion:228 Resp: 1785054
Ion Ratio Lower Upper
228 100
226 29.3 24.0 36.0
229 21.8 15.6 23.4

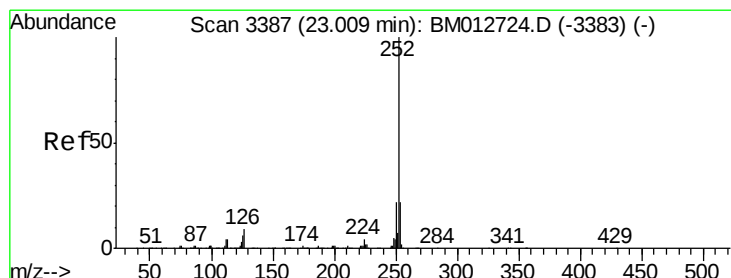
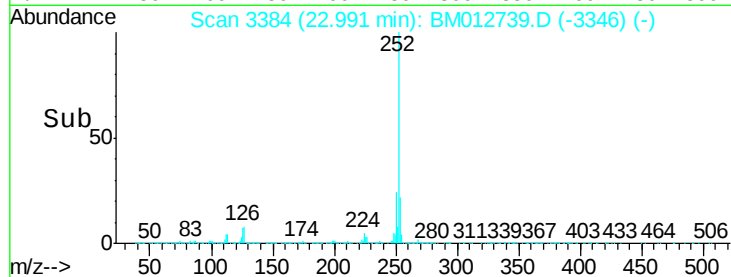
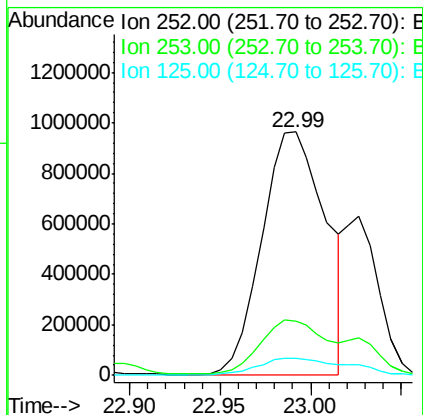
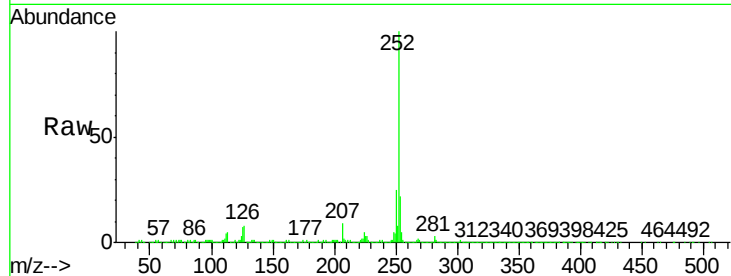




#87
Benzo(b)fluoranthene
Concen: 52.65 ng/ul
RT: 22.99 min Scan# 3384
Delta R.T. 0.02 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

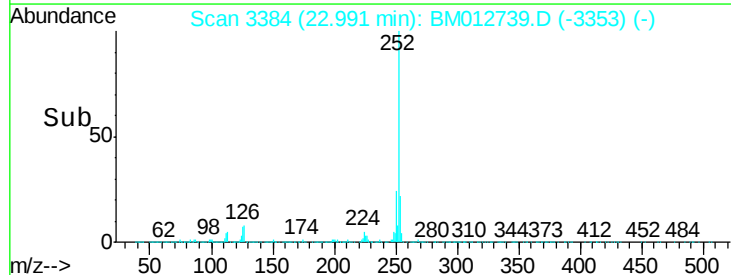
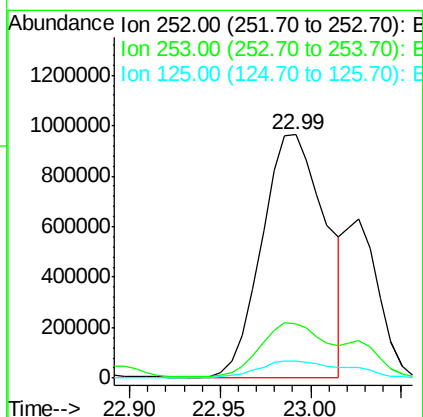
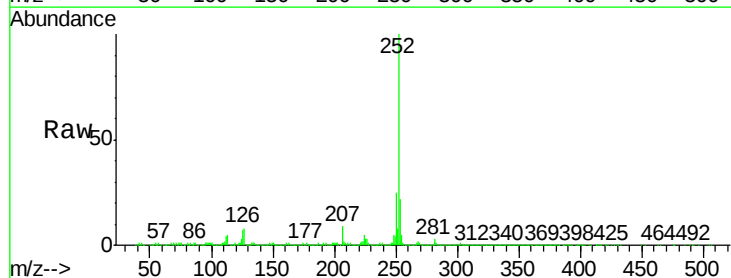
Instrument :
BNA_M
ClientSampleId :
B-63(1-3)-101117

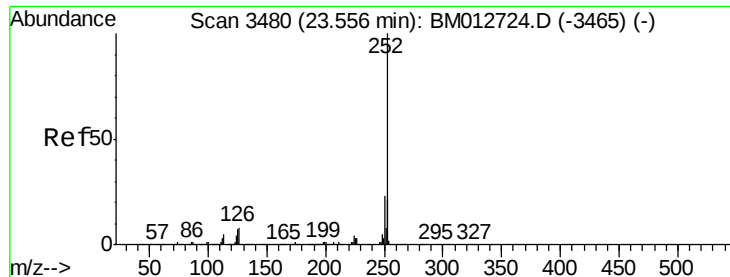
Tot Ion:252 Resp: 2355734
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 7.2 8.5 12.7#



#88
Benzo(k)fluoranthene
Concen: 55.39 ng/ul
RT: 22.99 min Scan# 3384
Delta R.T. -0.02 min
Lab File: BM012739.D
Acq: 05 Nov 2017 10:12

Tgt Ion:252 Resp: 2355734
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 7.2 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 25.05 ng/ul

RT: 23.47 min Scan# 3466

Delta R.T. -0.08 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117

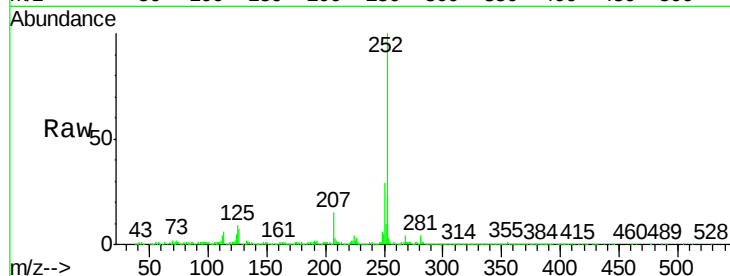
Tot Ion:252 Resp: 1066582

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

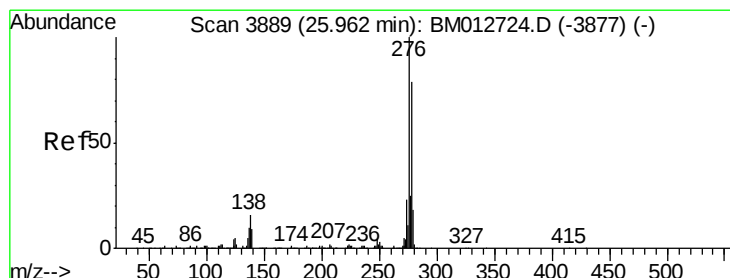
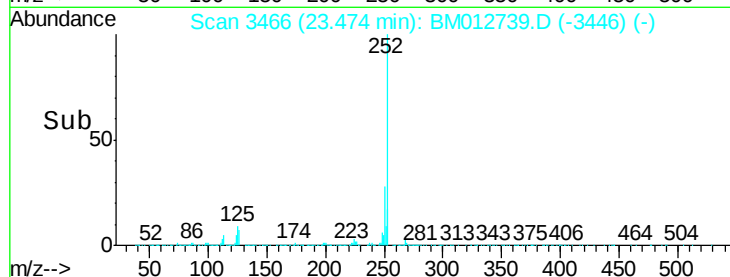
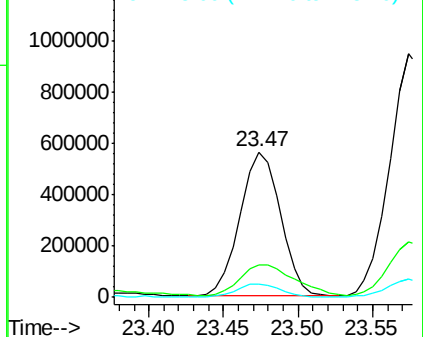
125 9.4 9.0 13.6



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: 22.08 ng/ul

RT: 26.00 min Scan# 3895

Delta R.T. 0.04 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

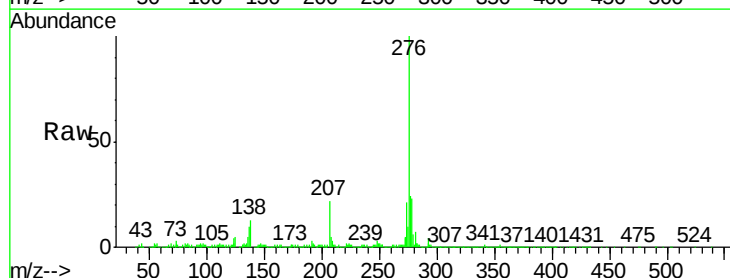
Tgt Ion:276 Resp: 1133007

Ion Ratio Lower Upper

276 100

138 12.9 22.3 33.5#

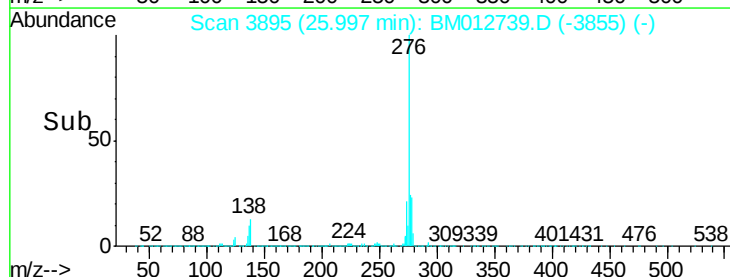
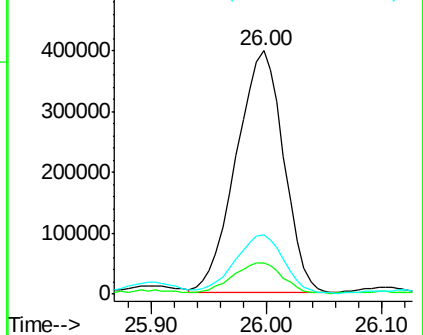
277 24.5 20.2 30.2

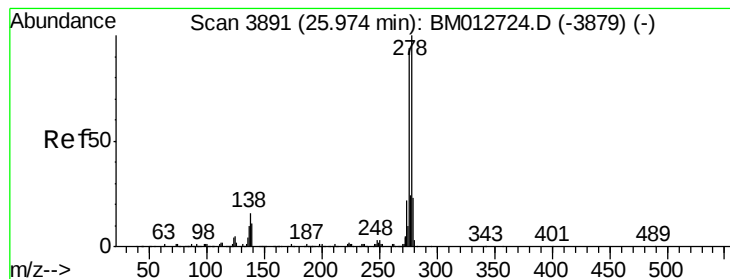


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 6.63 ng/ul

RT: 26.00 min Scan# 3895

Delta R.T. 0.02 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

Instrument :

BNA_M

ClientSampleId :

B-63(1-3)-101117

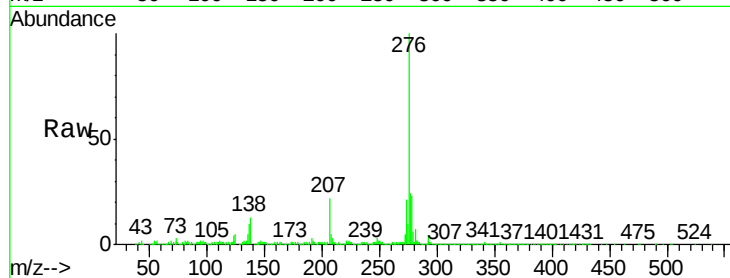
Tot Ion:278 Resp: 288037

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

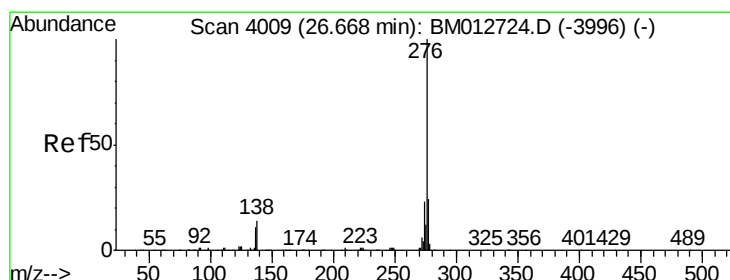
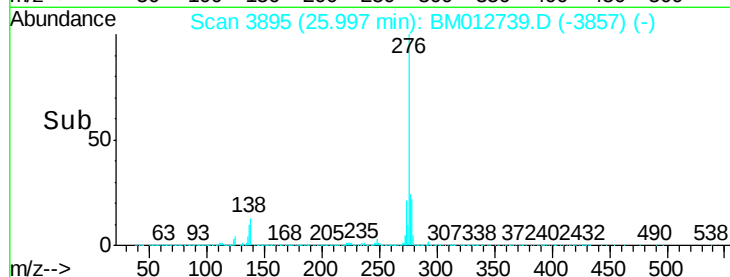
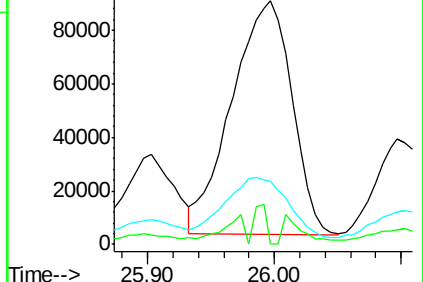
279 26.1 19.0 28.4



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(g,h,i)perylene

Concen: 23.23 ng/ul

RT: 26.71 min Scan# 4016

Delta R.T. 0.04 min

Lab File: BM012739.D

Acq: 05 Nov 2017 10:12

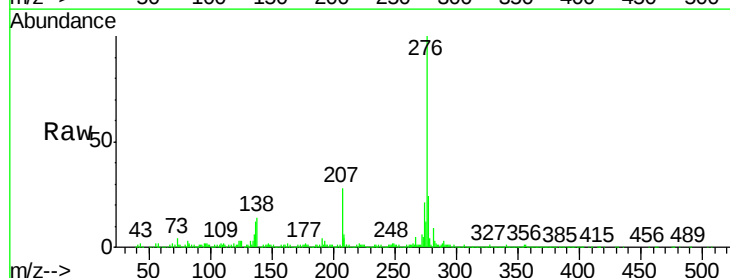
Tgt Ion:276 Resp: 982038

Ion Ratio Lower Upper

276 100

138 13.9 18.9 28.3#

277 24.4 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

