

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010732.D
 Acq On : 24 Jun 2017 16:27
 Operator : SJ/JU
 Sample : I3627-13ME
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5E24ME

Quant Time: Jun 26 04:55:41 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 26 04:54:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	61775	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	273180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	189069	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	484142	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	591889	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	448938	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	2243	2.08	ng/uL	0.00
5) Phenol-d5	6.64	99	51510	8.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	31524	9.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	38306	9.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	44734	9.17	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	20544	10.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	25099	11.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	48831	10.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	37127	7.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	185162	11.16	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	206866	10.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	25063	8.58	ng/ul	0.00
57) Fluorene-d10	15.11	176	160028	11.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	27401	9.22	ng/ul	0.00
70) Anthracene-d10	16.96	188	264341	11.31	ng/ul	0.00
76) Pyrene-d10	19.27	212	330992	12.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	253455	11.68	ng/ul	0.00

Target Compounds

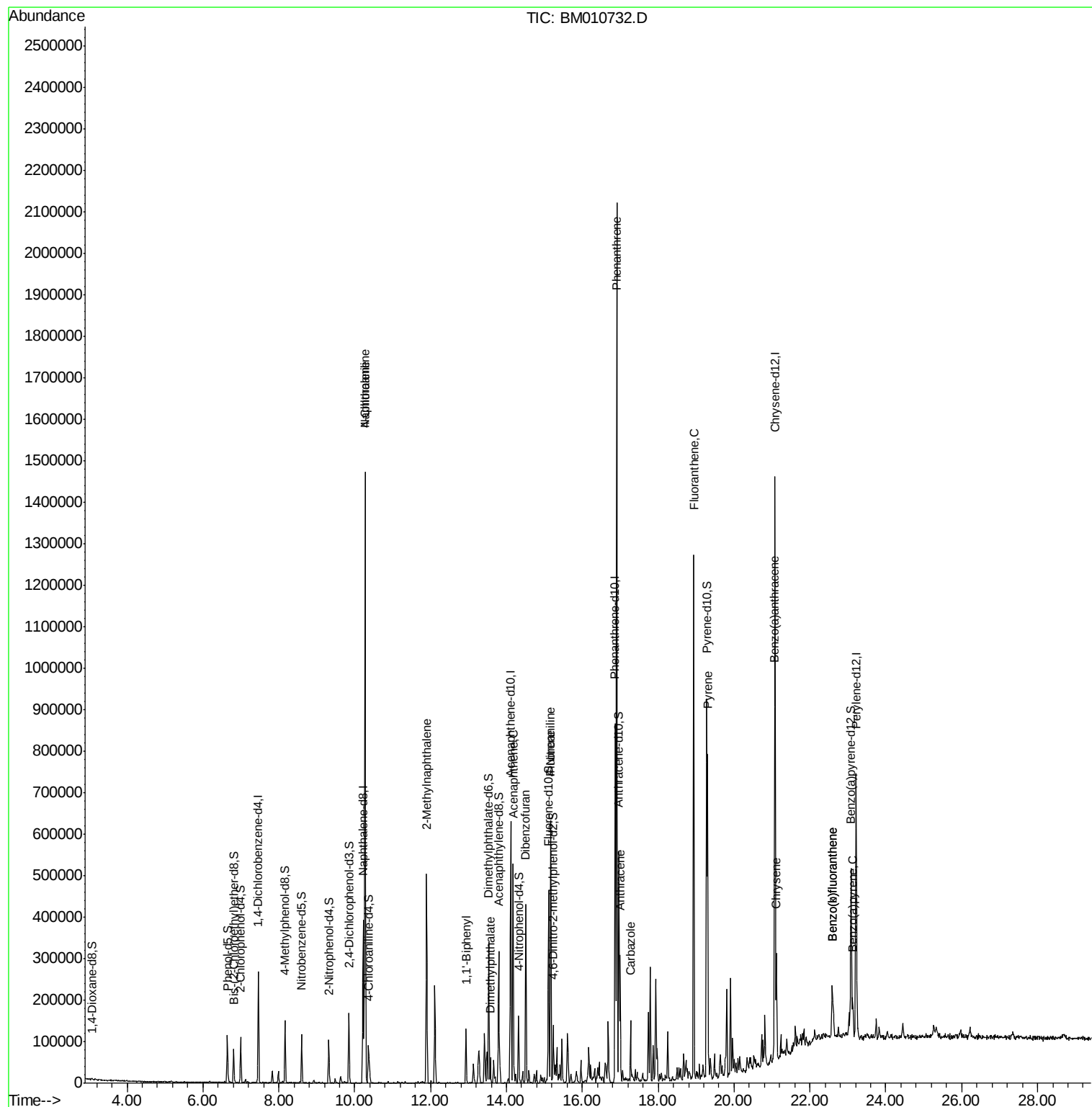
						Qvalue
28) Naphthalene	10.27	128	1052615	77.43	ng/ul	99
30) 4-Chloroaniline	10.27	127	136472	27.24	ng/ul#	18
34) 2-Methylnaphthalene	11.89	142	205738	18.83	ng/ul	99
40) 1,1'-Biphenyl	12.93	154	56342	3.81	ng/ul#	98
44) Dimethylphthalate	13.58	163	33799	2.08	ng/ul#	95
49) Acenaphthene	14.17	153	192118	15.49	ng/ul	98
53) Dibenzofuran	14.51	168	226819	12.07	ng/ul	89
58) Fluorene	15.17	166	247329	15.73	ng/ul	99
60) 4-Nitroaniline	15.17	138	3423	1.02	ng/ul#	1
69) Phenanthrene	16.91	178	1139516	44.27	ng/ul	99
71) Anthracene	17.00	178	175081	6.60	ng/ul	99
72) Carbazole	17.27	167	74746	3.23	ng/ul#	94
74) Fluoranthene	18.94	202	714896	21.55	ng/ul	98
77) Pyrene	19.30	202	472623	13.82	ng/ul	97
80) Benzo(a)anthracene	21.06	228	177794	5.16	ng/ul	99
82) Chrysene	21.12	228	136845	4.45	ng/ul	100
85) Benzo(b)fluoranthene	22.58	252	97052	3.33	ng/ul#	91
86) Benzo(k)fluoranthene	22.58	252	97052	3.51	ng/ul#	89
88) Benzo(a)pyrene	23.12	252	59109	2.20	ng/ul	98

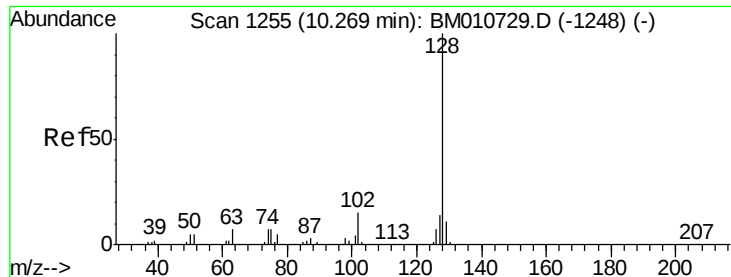
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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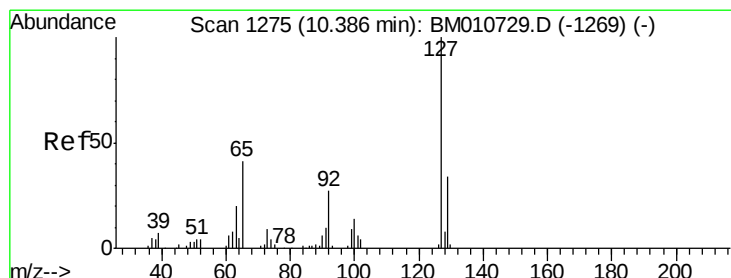
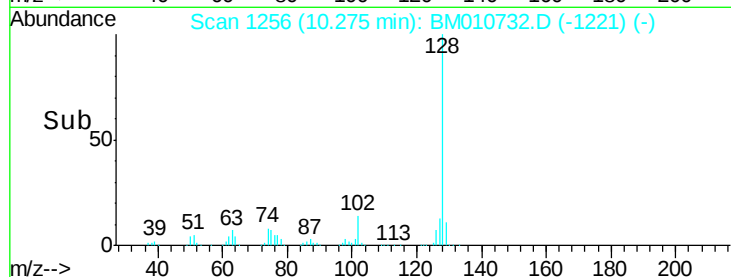
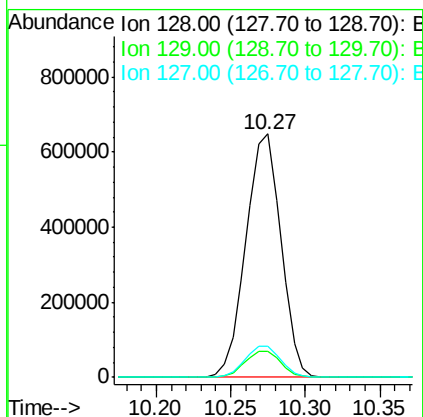
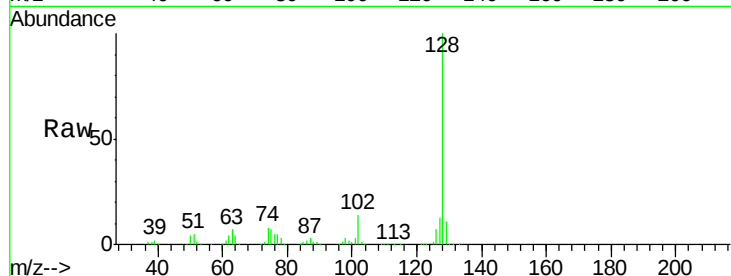




#28
Naphthalene
Concen: 77.43 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

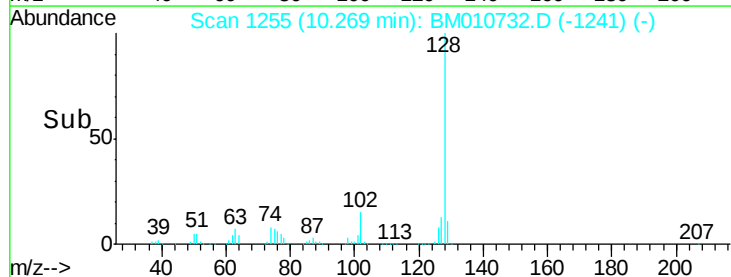
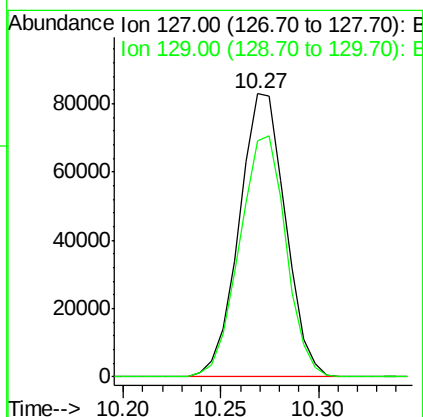
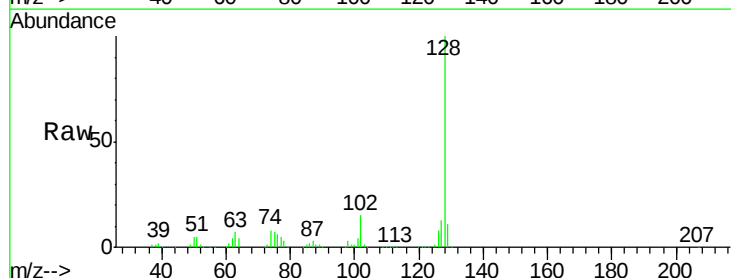
Instrument :
BNA_M
ClientSampleId :
F5E24ME

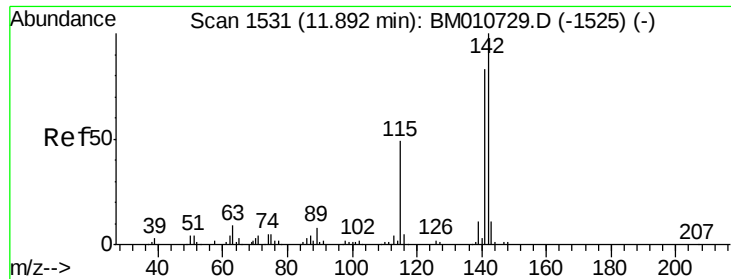
Tgt Ion:128 Resp: 1052615
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.7 10.6 16.0



#30
4-Chloroaniline
Concen: 27.24 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.12 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Tgt Ion:127 Resp: 136472
Ion Ratio Lower Upper
127 100
129 83.3 28.4 42.6#

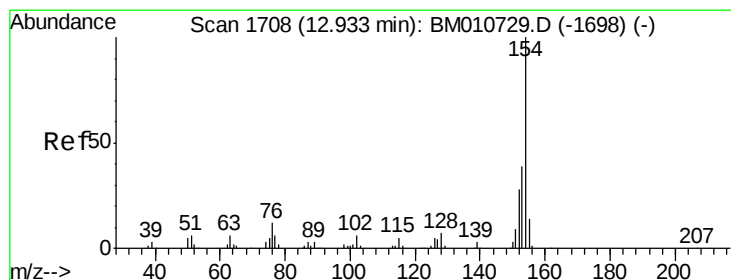
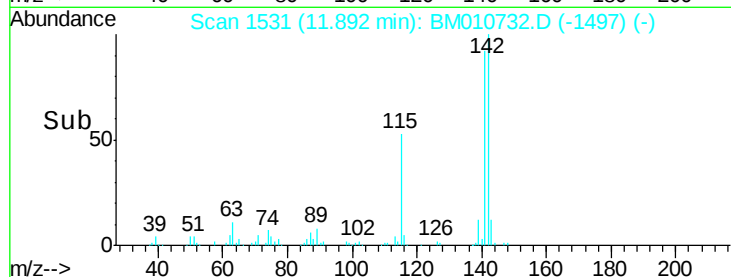
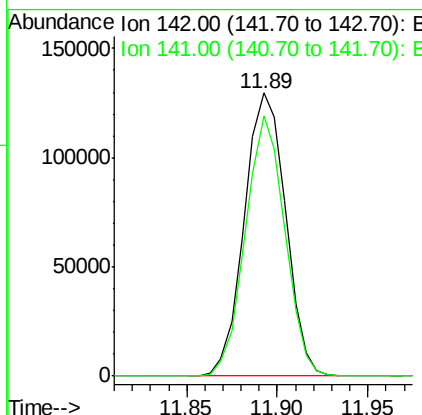
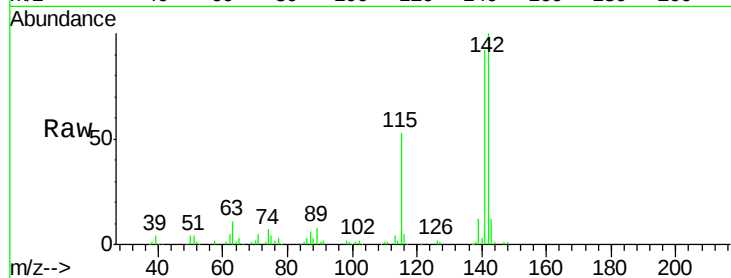




#34
 2-Methylnaphthalene
 Concen: 18.83 ng/ul
 RT: 11.89 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

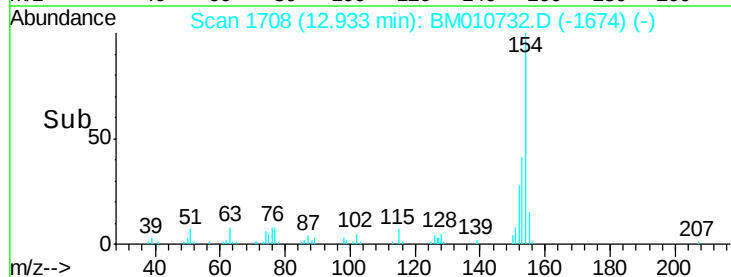
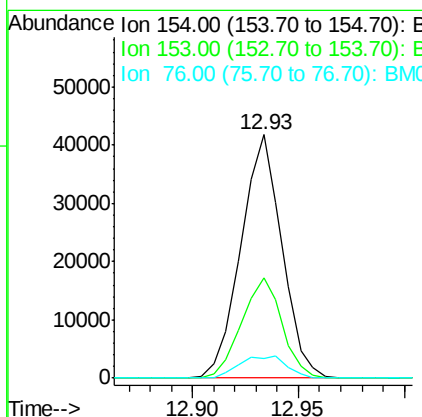
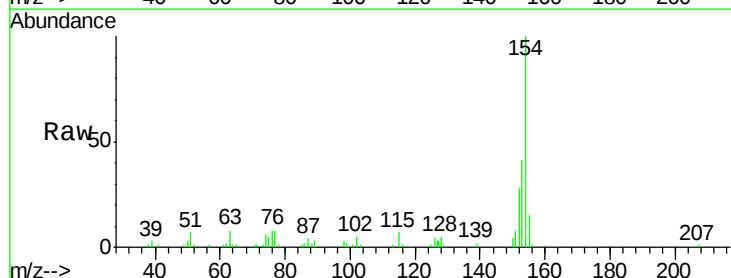
Instrument :
 BNA_M
 ClientSampleId :
 F5E24ME

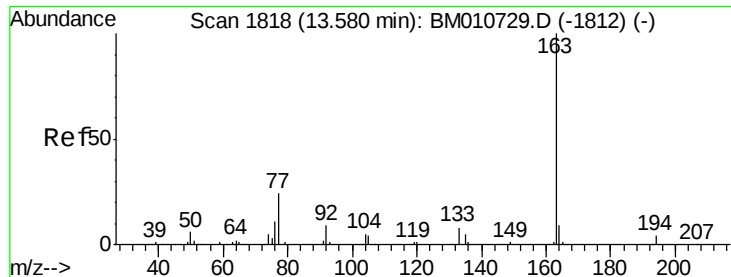
Tgt Ion:142 Resp: 205738
 Ion Ratio Lower Upper
 142 100
 141 91.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 3.81 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM010732.D
 Acq: 24 Jun 2017 16:27

Tgt Ion:154 Resp: 56342
 Ion Ratio Lower Upper
 154 100
 153 41.1 32.6 48.8
 76 8.2 8.5 12.7#





#44

Dimethylphthalate

Concen: 2.08 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME

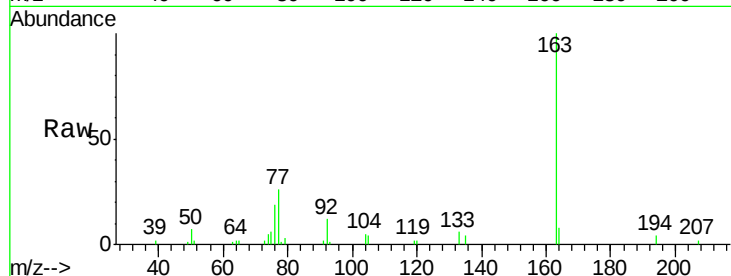
Tgt Ion:163 Resp: 33799

Ion Ratio Lower Upper

163 100

194 3.7 3.5 5.3

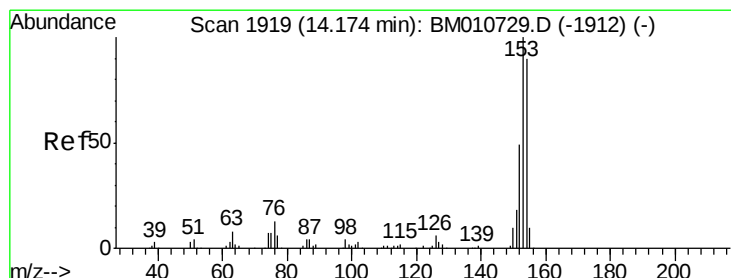
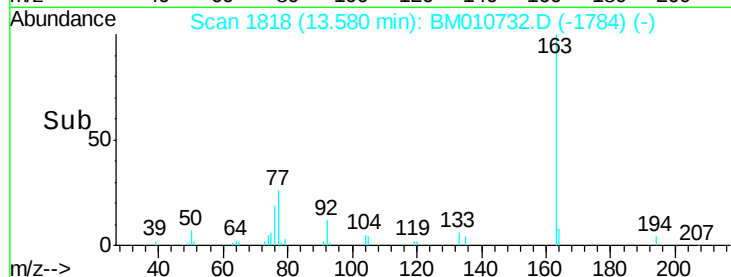
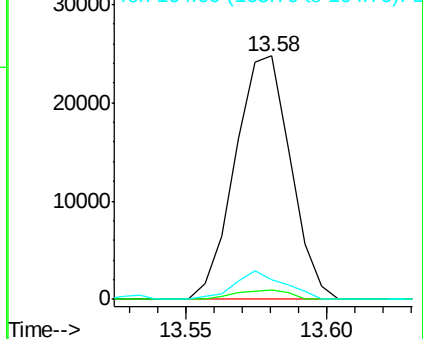
164 7.9 8.2 12.4#



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: 15.49 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

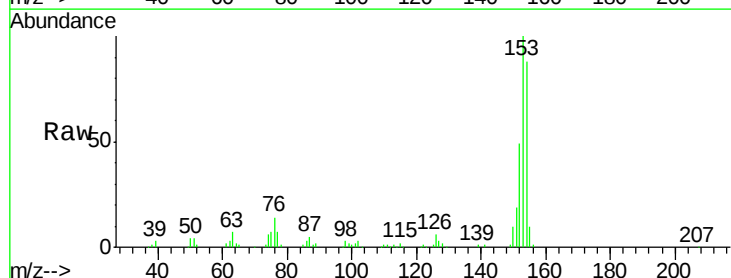
Tgt Ion:153 Resp: 192118

Ion Ratio Lower Upper

153 100

152 49.5 37.6 56.4

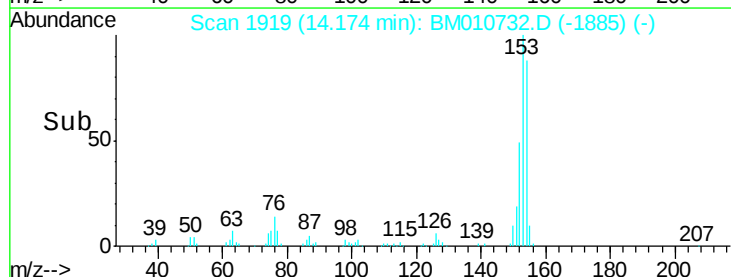
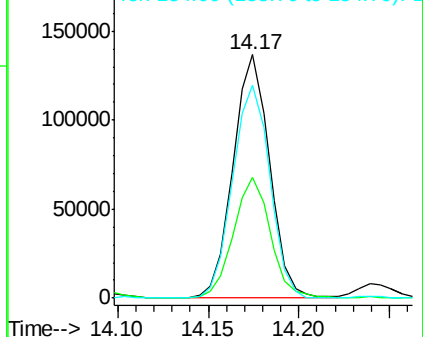
154 87.6 70.4 105.6

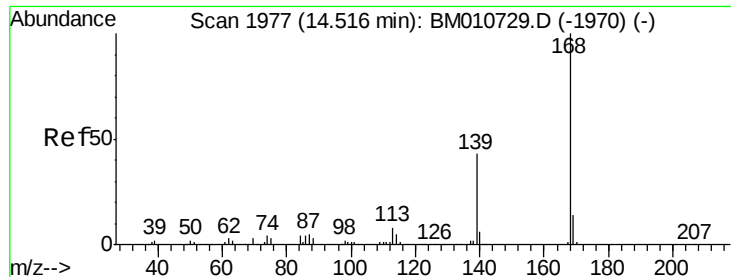


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 12.07 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

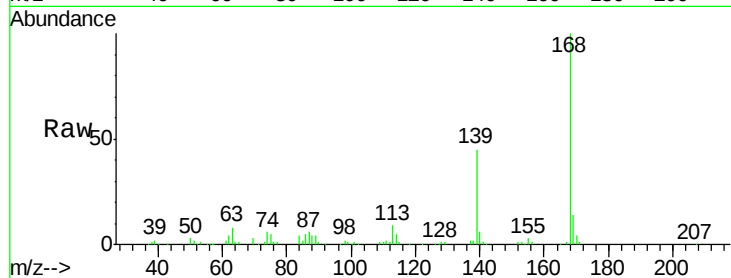
F5E24ME

Tgt Ion:168 Resp: 226819

Ion Ratio Lower Upper

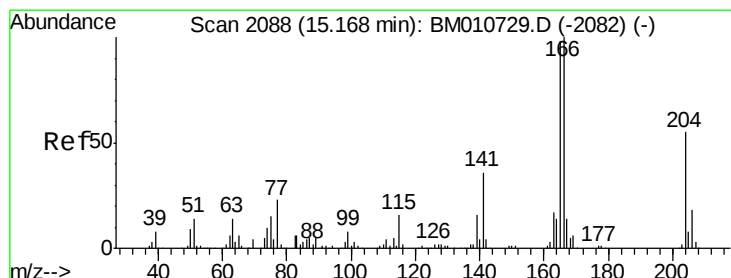
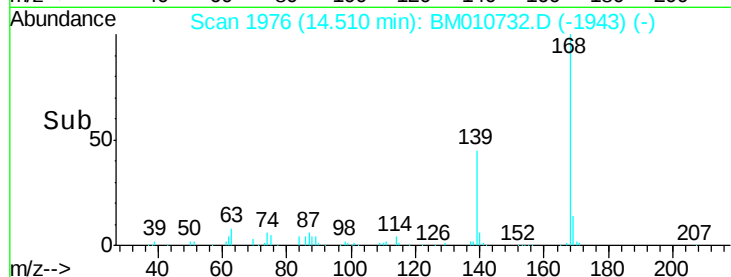
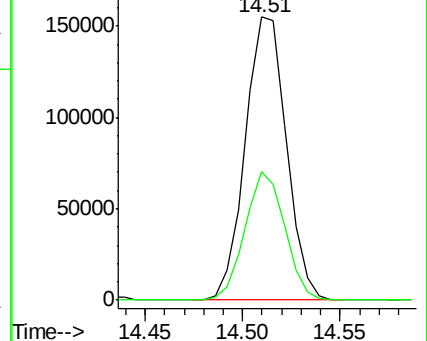
168 100

139 45.2 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: 15.73 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

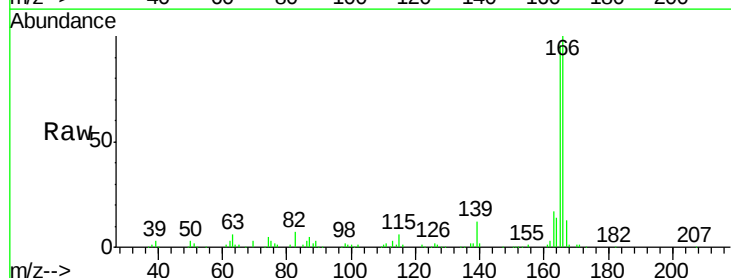
Tgt Ion:166 Resp: 247329

Ion Ratio Lower Upper

166 100

165 95.8 77.9 116.9

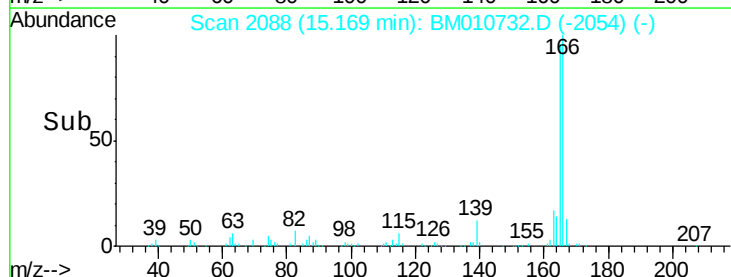
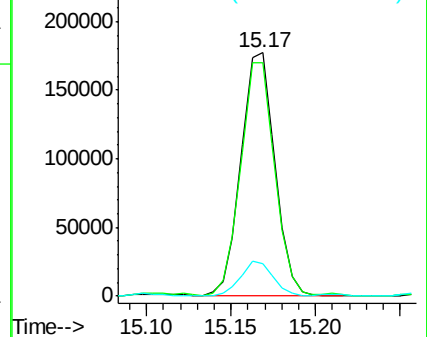
167 13.3 10.6 16.0

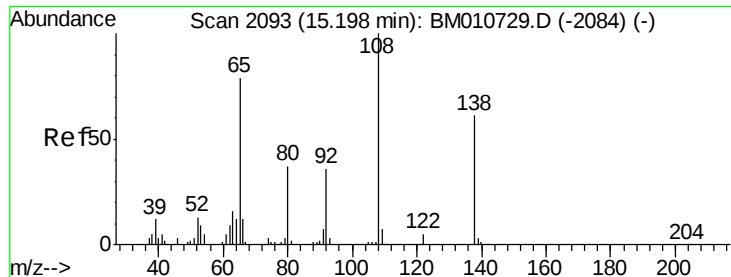


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

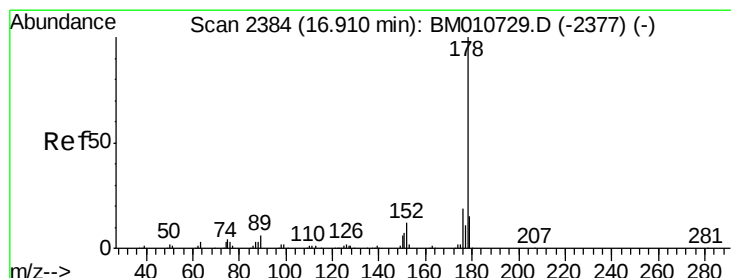
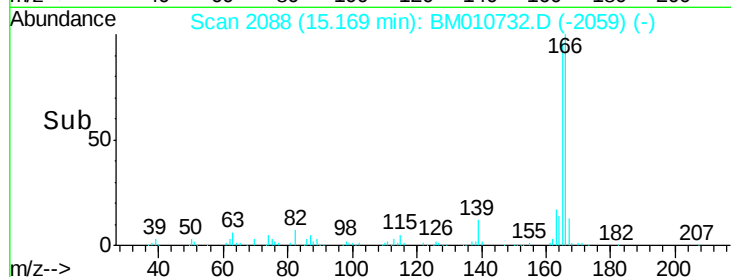
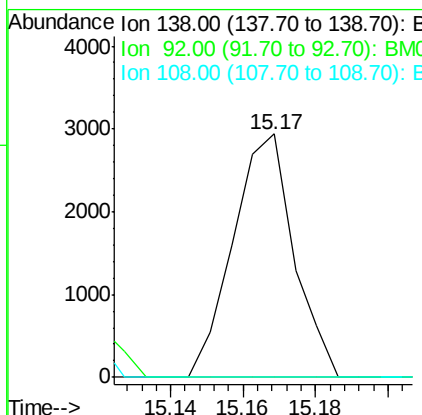
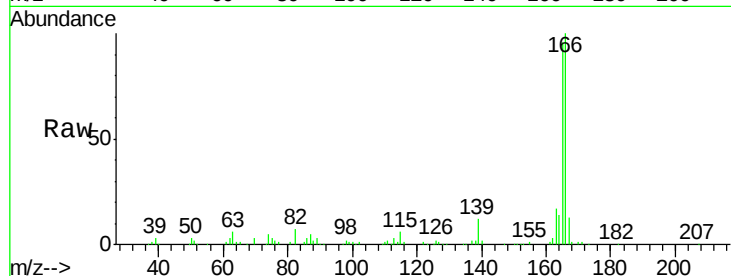




#60
4-Nitroaniline
Concen: 1.02 ng/ul
RT: 15.17 min Scan# 2088
Delta R.T. -0.03 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

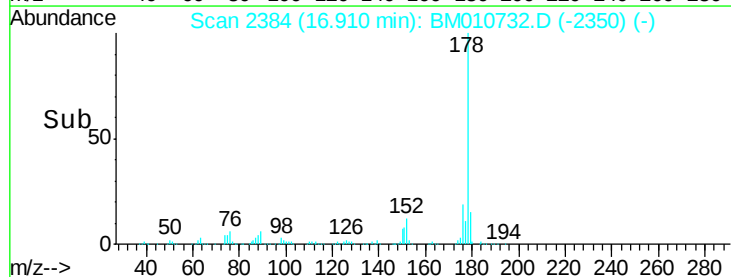
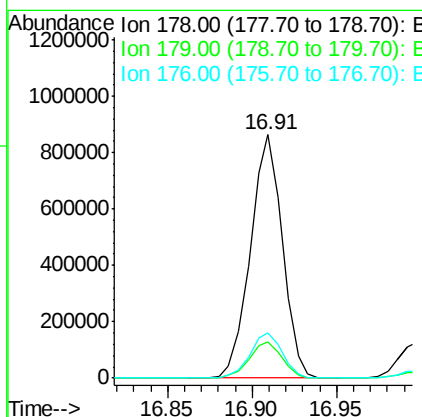
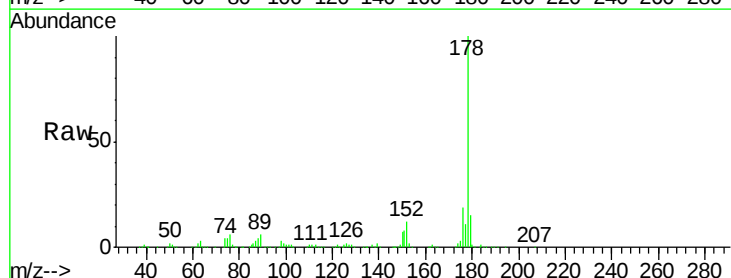
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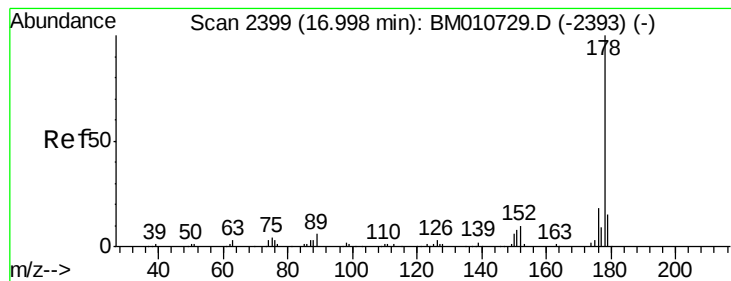
Tgt Ion:138 Resp: 3423
Ion Ratio Lower Upper
138 100
92 0.0 52.7 79.1#
108 0.0 140.4 210.6#



#69
Phenanthrene
Concen: 44.27 ng/ul
RT: 16.91 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM010732.D
Acq: 24 Jun 2017 16:27

Tgt Ion:178 Resp: 1139516
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 18.6 14.9 22.3





#71

Anthracene

Concen: 6.60 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

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ClientSampleId :

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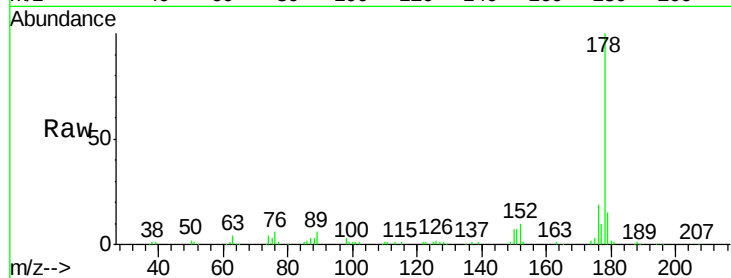
Tgt Ion:178 Resp: 175081

Ion Ratio Lower Upper

178 100

179 14.6 11.7 17.5

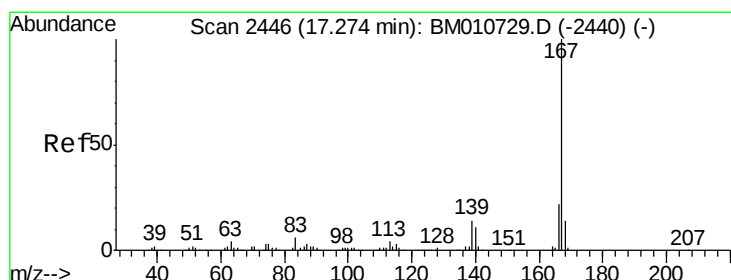
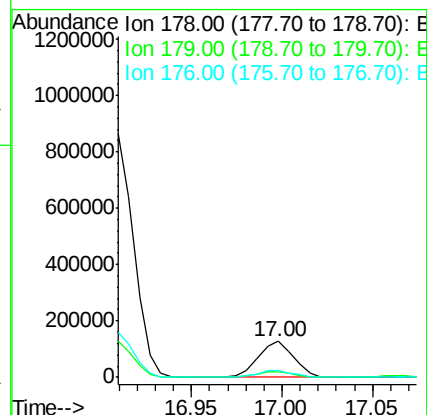
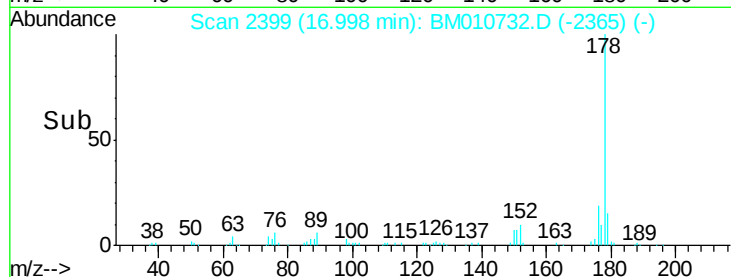
176 18.8 14.6 21.8



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



#72

Carbazole

Concen: 3.23 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

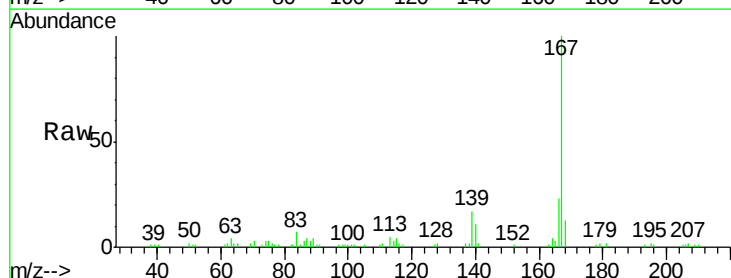
Tgt Ion:167 Resp: 74746

Ion Ratio Lower Upper

167 100

166 22.9 17.1 25.7

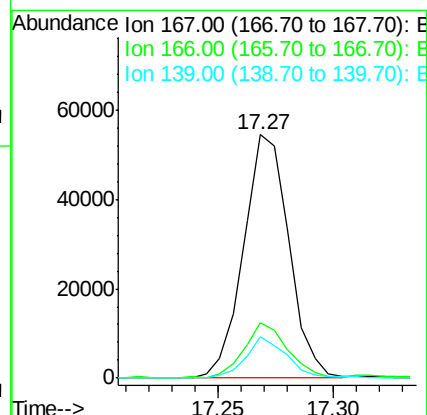
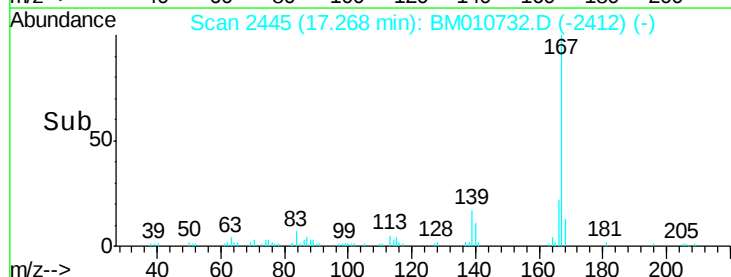
139 16.9 10.0 15.0#

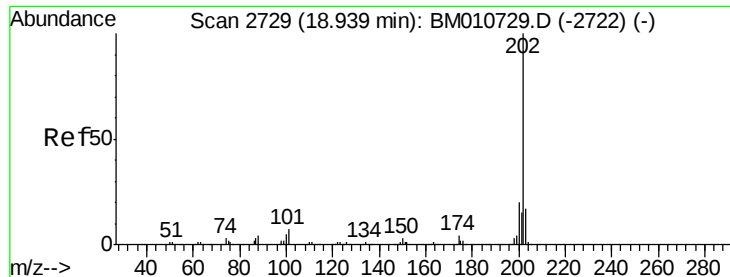


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 21.55 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

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F5E24ME

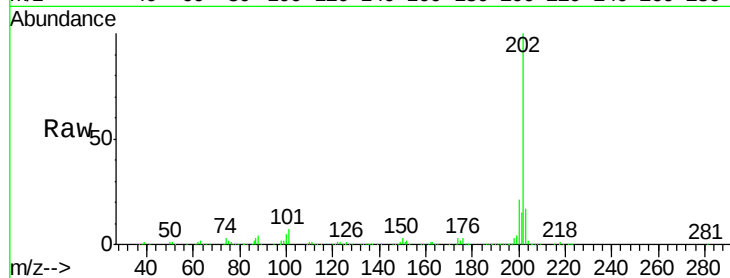
Tgt Ion:202 Resp: 714896

Ion Ratio Lower Upper

202 100

101 6.6 4.6 7.0

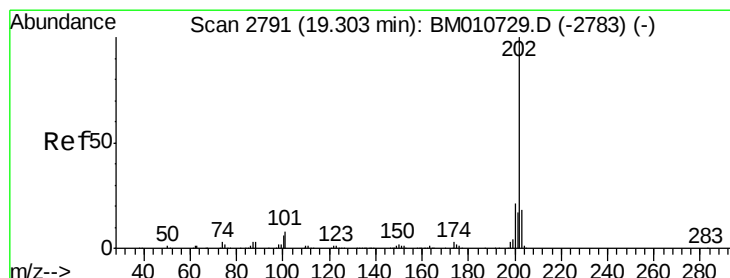
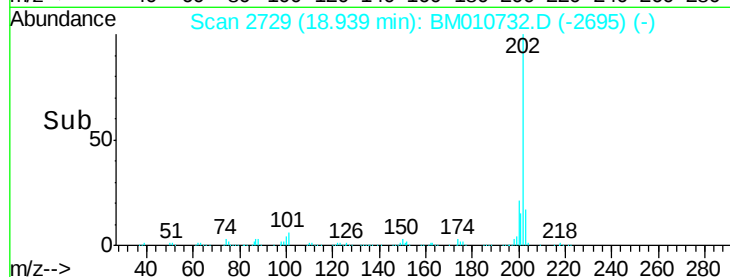
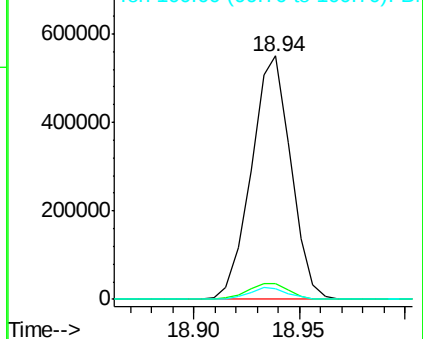
100 4.5 3.4 5.2



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: 13.82 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

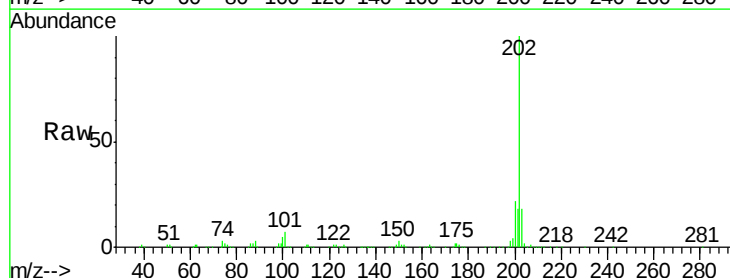
Tgt Ion:202 Resp: 472623

Ion Ratio Lower Upper

202 100

101 7.4 5.1 7.7

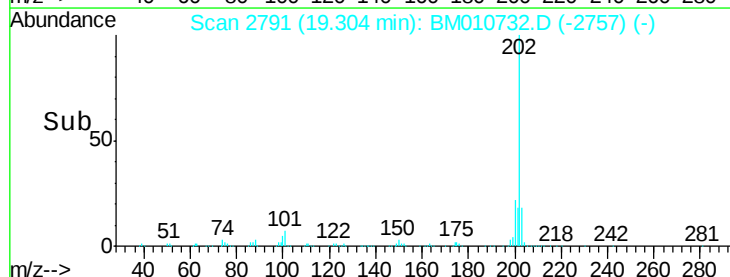
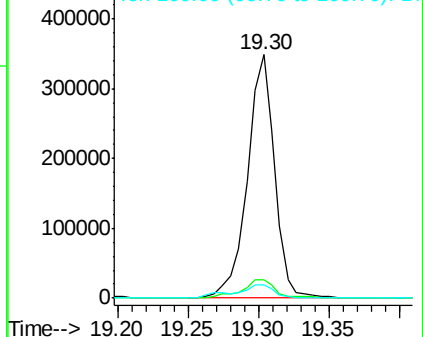
100 5.5 4.9 7.3

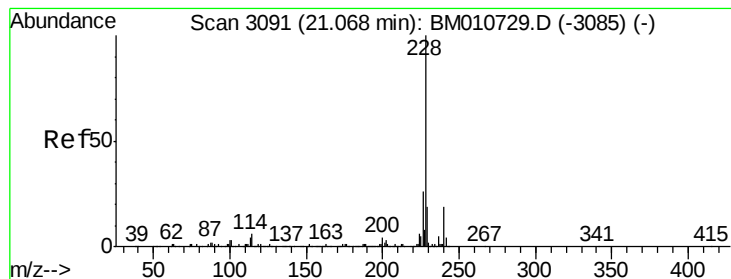


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.16 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME

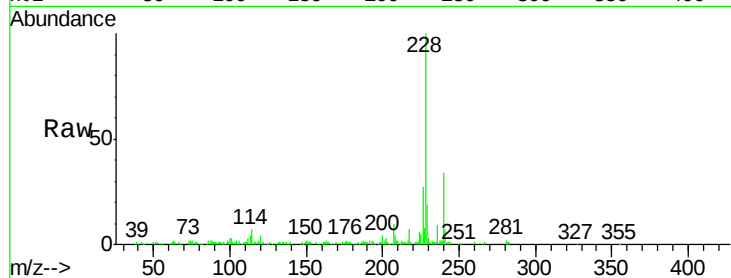
Tgt Ion:228 Resp: 177794

Ion Ratio Lower Upper

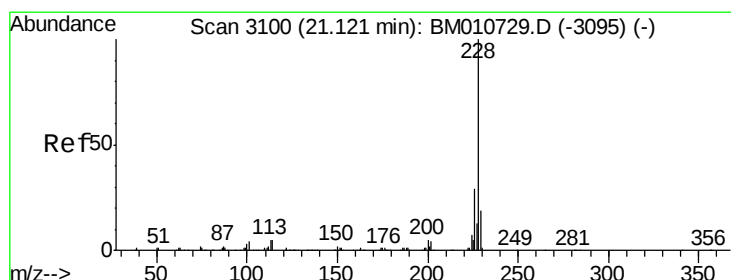
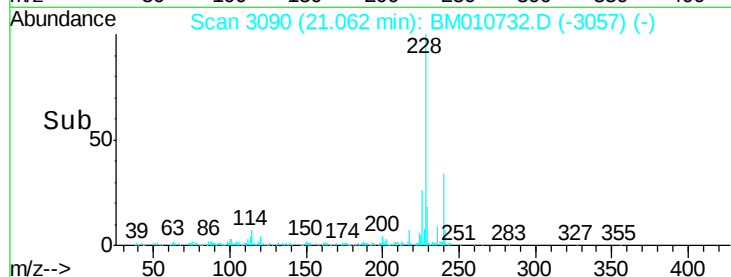
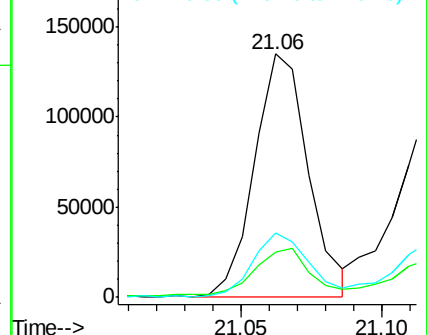
228 100

229 18.7 15.4 23.0

226 26.5 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: 4.45 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

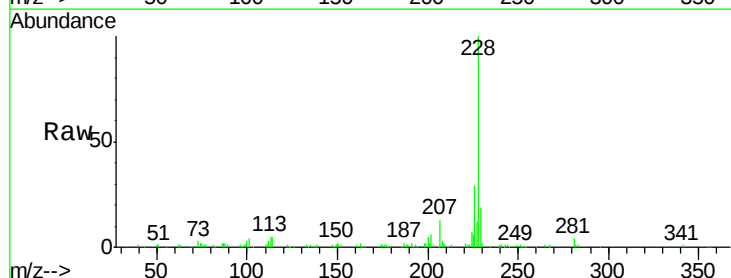
Tgt Ion:228 Resp: 136845

Ion Ratio Lower Upper

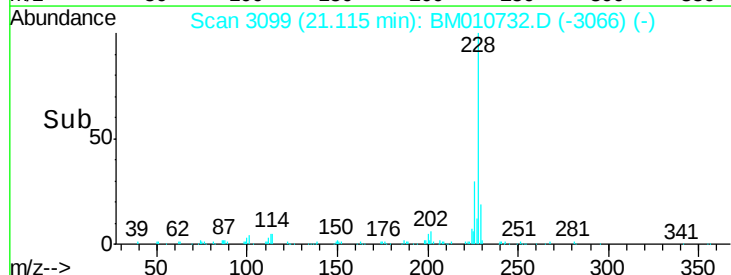
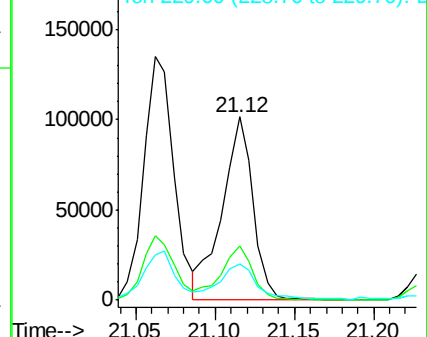
228 100

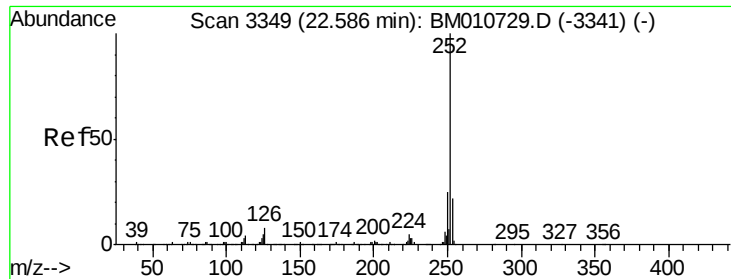
226 29.5 23.4 35.2

229 19.5 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: 3.33 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.01 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME

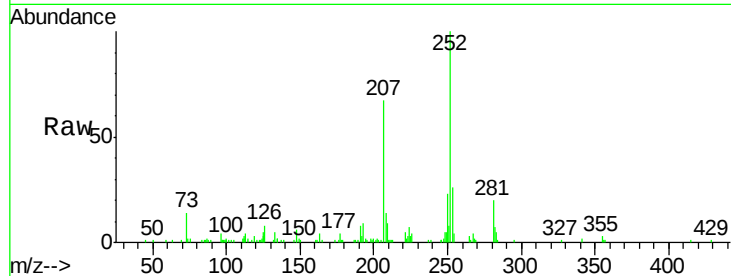
Tgt Ion:252 Resp: 97052

Ion Ratio Lower Upper

252 100

253 26.3 17.9 26.9

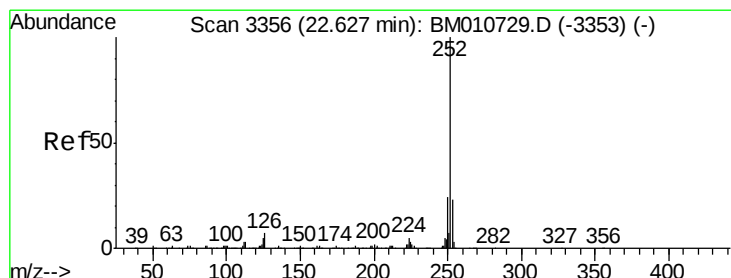
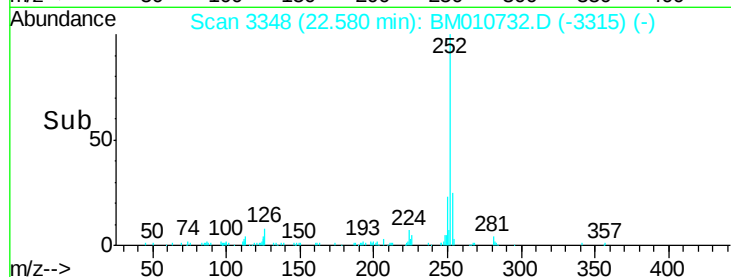
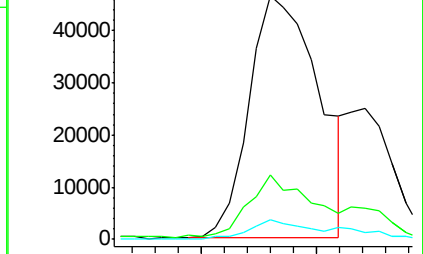
125 8.2 3.6 5.4#



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: 3.51 ng/ul

RT: 22.58 min Scan# 3348

Delta R.T. -0.05 min

Lab File: BM010732.D

Acq: 24 Jun 2017 16:27

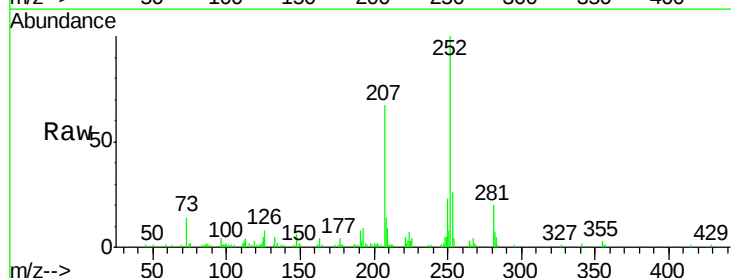
Tgt Ion:252 Resp: 97052

Ion Ratio Lower Upper

252 100

253 26.3 17.1 25.7#

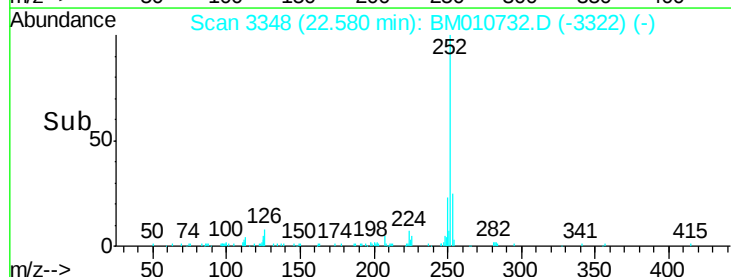
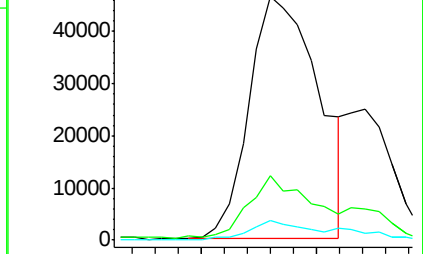
125 8.2 3.4 5.2#

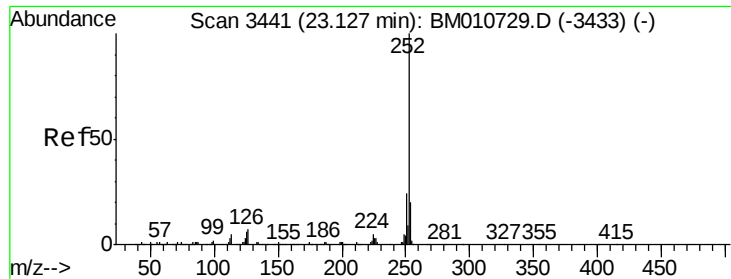


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.20 ng/ul

RT: 23.12 min Scan# 3440

Delta R.T. -0.01 min

Lab File: BM010732.D

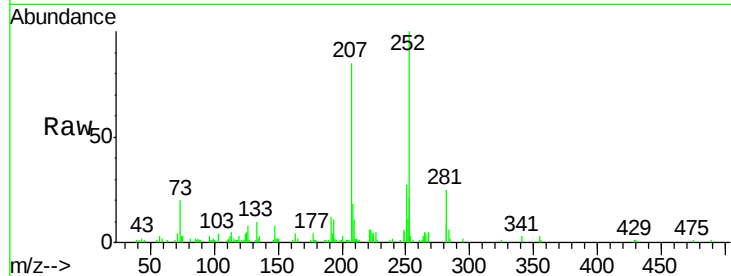
Acq: 24 Jun 2017 16:27

Instrument :

BNA_M

ClientSampleId :

F5E24ME



Tgt Ion:	252	Resp:	59109
Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	5.0	4.0	6.0

