

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010737.D
 Acq On : 24 Jun 2017 19:27
 Operator : SJ/JU
 Sample : I3653-09DL 2X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C52DL

Quant Time: Jun 26 04:56:40 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	58467	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	268107	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.11	164	186588	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.86	188	461177	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	560445	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	426546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1154	1.13	ng/uL	0.00
5) Phenol-d5	6.65	99	31115	5.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	18350	5.77	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	24575	6.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	27313	5.91	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	13336	6.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	15339	6.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	29689	6.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	15412	3.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	119464	7.29	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	130143	6.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	14019	4.86	ng/ul	-0.01
57) Fluorene-d10	15.11	176	100750	7.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	16822	5.94	ng/ul	0.00
70) Anthracene-d10	16.86	188	461177	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	212525	8.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.08	264	157358	7.63	ng/ul	0.00

Target Compounds

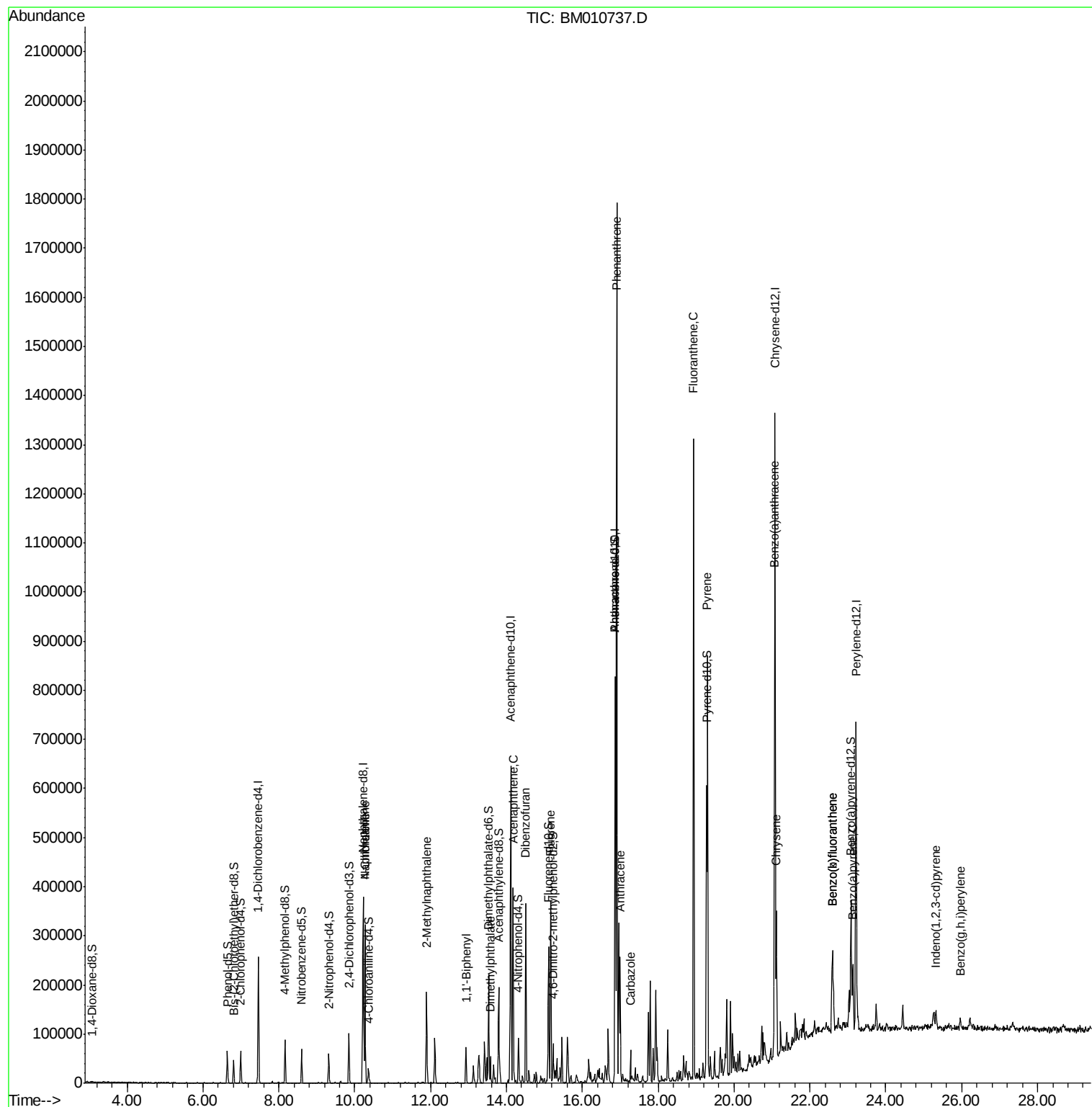
						Qvalue
28) Naphthalene	10.27	128	215974	16.19	ng/ul	98
30) 4-Chloroaniline	10.27	127	28130	5.72	ng/ul#	2
34) 2-Methylnaphthalene	11.89	142	72198	6.73	ng/ul	100
40) 1,1'-Biphenyl	12.93	154	35110	2.41	ng/ul#	90
44) Dimethylphthalate	13.58	163	27912	1.74	ng/ul	96
49) Acenaphthene	14.17	153	147614	12.06	ng/ul	97
53) Dibenzofuran	14.51	168	185601	10.01	ng/ul	89
58) Fluorene	15.16	166	151977	9.79	ng/ul	98
69) Phenanthrene	16.91	178	1000886	40.82	ng/ul	98
71) Anthracene	17.00	178	146917	5.82	ng/ul	97
72) Carbazole	17.27	167	34564	1.57	ng/ul	96
74) Fluoranthene	18.94	202	755594	23.91	ng/ul	99
77) Pyrene	19.30	202	527318	16.29	ng/ul	98
80) Benzo(a)anthracene	21.06	228	209053	6.41	ng/ul	99
82) Chrysene	21.12	228	156506	5.38	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	136229	4.92	ng/ul	97
86) Benzo(k)fluoranthene	22.59	252	136229	5.19	ng/ul#	95
88) Benzo(a)pyrene	23.12	252	86805	3.41	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	33937	1.28	ng/ul	96
91) Benzo(g,h,i)perylene	25.96	276	23017	1.09	ng/ul#	92

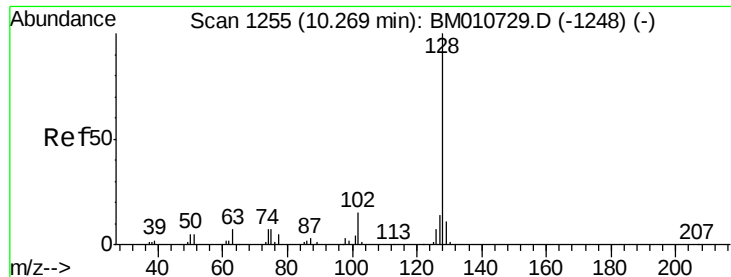
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 16.19 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampleId :

F5C52DL

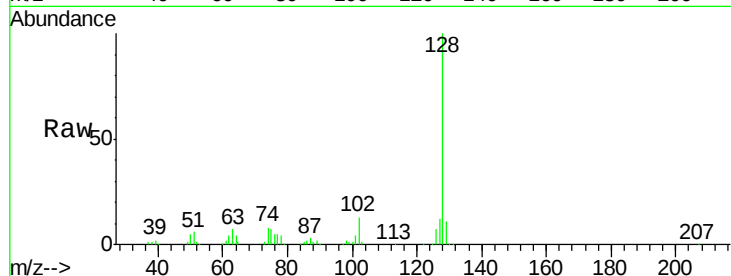
Tgt Ion:128 Resp: 215974

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

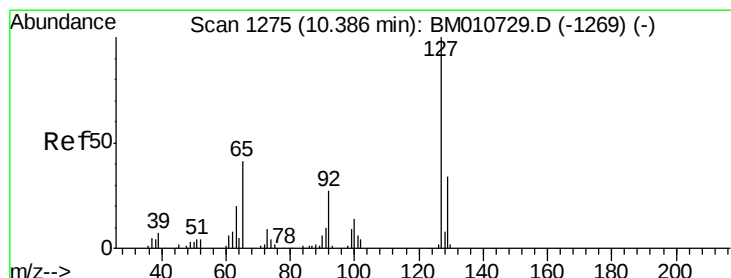
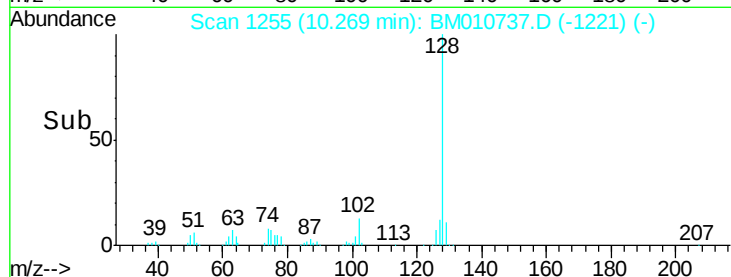
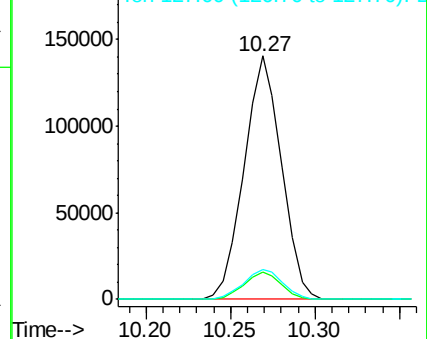
127 12.3 10.6 16.0



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: 5.72 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.12 min

Lab File: BM010737.D

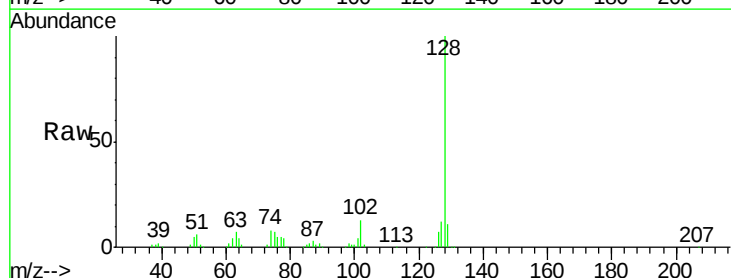
Acq: 24 Jun 2017 19:27

Tgt Ion:127 Resp: 28130

Ion Ratio Lower Upper

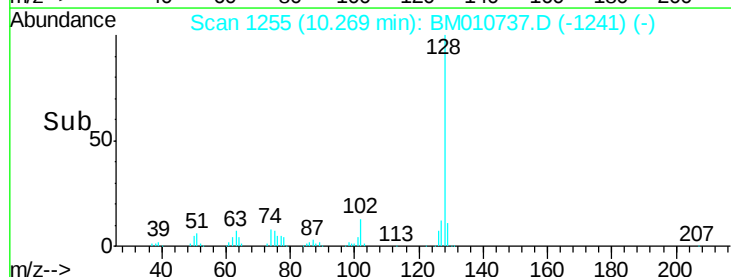
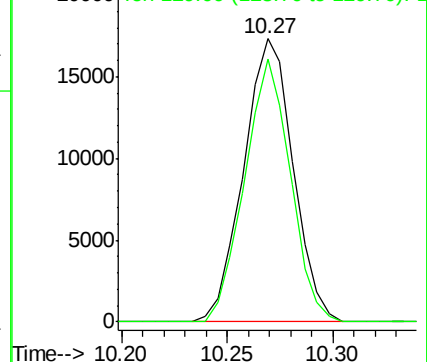
127 100

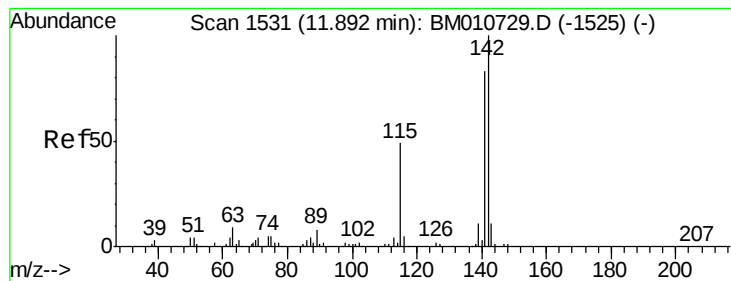
129 92.9 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 6.73 ng/ul

RT: 11.89 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampleId :

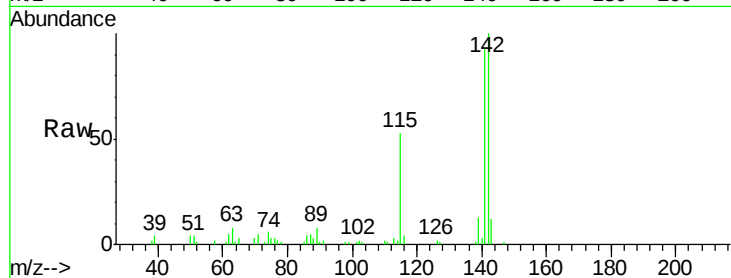
F5C52DL

Tgt Ion:142 Resp: 72198

Ion Ratio Lower Upper

142 100

141 93.0 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.89

50000

40000

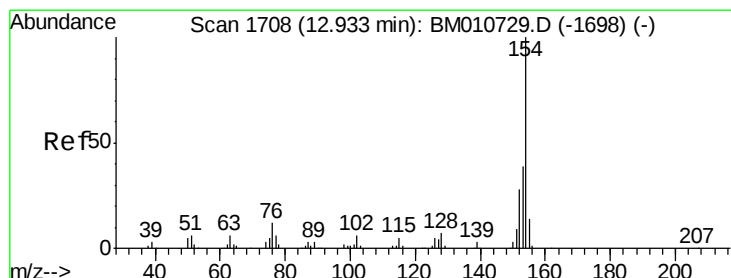
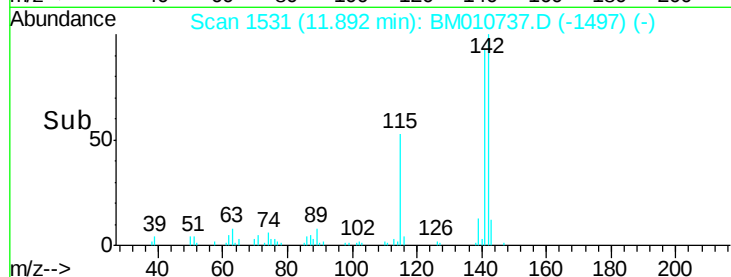
30000

20000

10000

0

Time--> 11.85 11.90 11.95



#40

1,1'-Biphenyl

Concen: 2.41 ng/ul

RT: 12.93 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

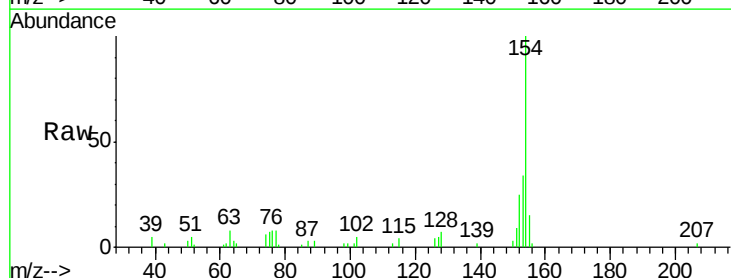
Tgt Ion:154 Resp: 35110

Ion Ratio Lower Upper

154 100

153 34.3 32.6 48.8

76 8.2 8.5 12.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM0

12.93

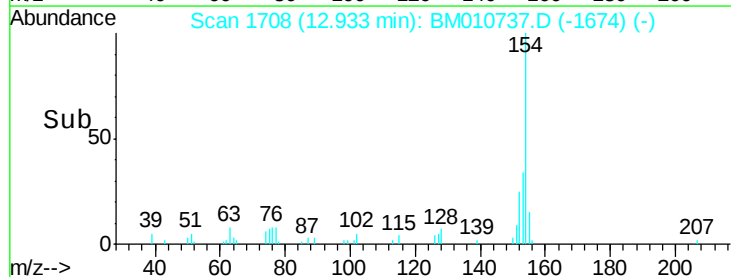
30000

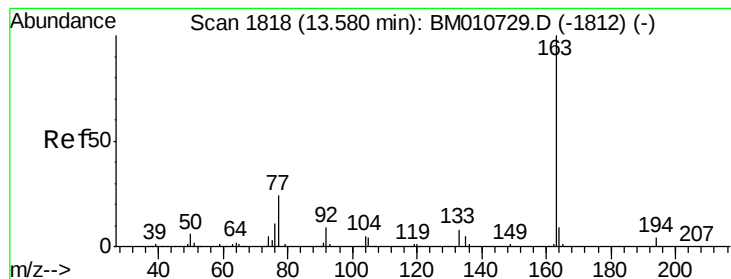
20000

10000

0

Time--> 12.90 12.95





#44

Dimethylphthalate

Concen: 1.74 ng/ul

RT: 13.58 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampled :

F5C52DL

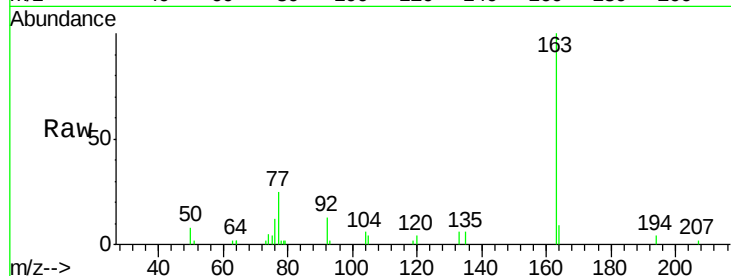
Tgt Ion:163 Resp: 27912

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

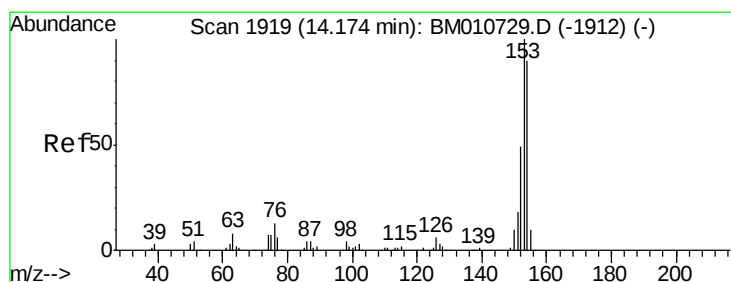
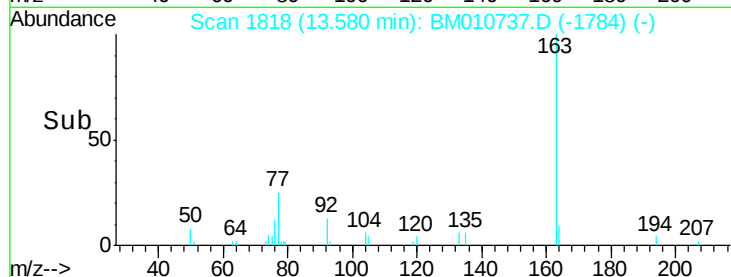
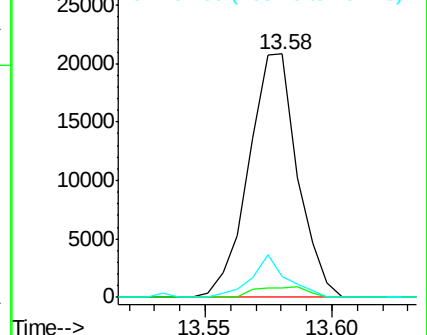
164 8.6 8.2 12.4



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: 12.06 ng/ul

RT: 14.17 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

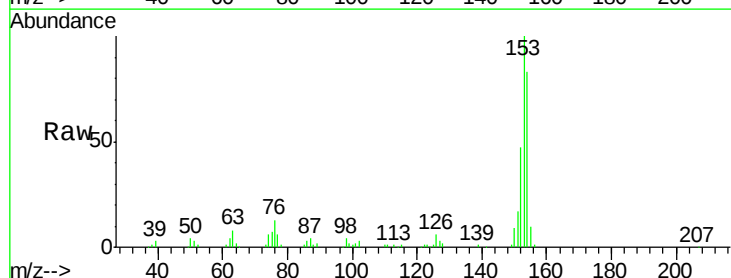
Tgt Ion:153 Resp: 147614

Ion Ratio Lower Upper

153 100

152 46.8 37.6 56.4

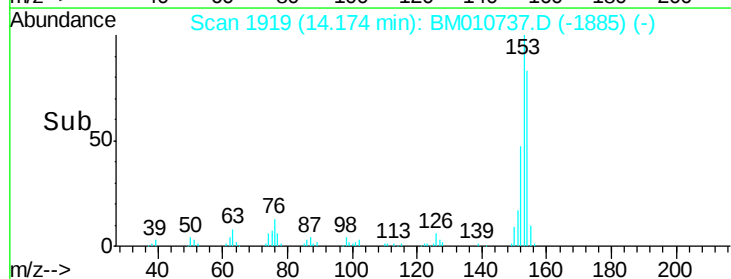
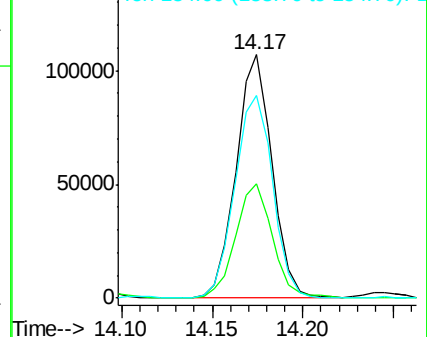
154 83.3 70.4 105.6

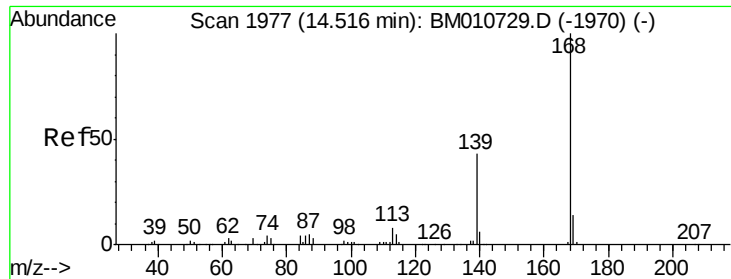


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 10.01 ng/ul

RT: 14.51 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampleId :

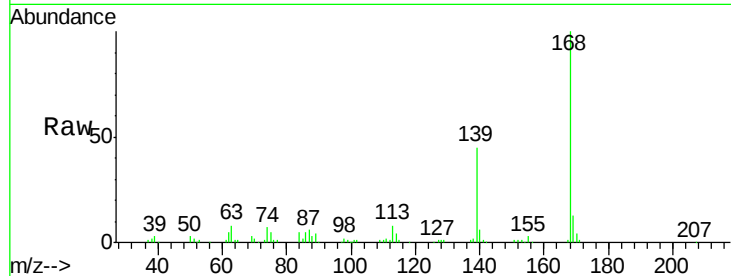
F5C52DL

Tgt Ion:168 Resp: 185601

Ion Ratio Lower Upper

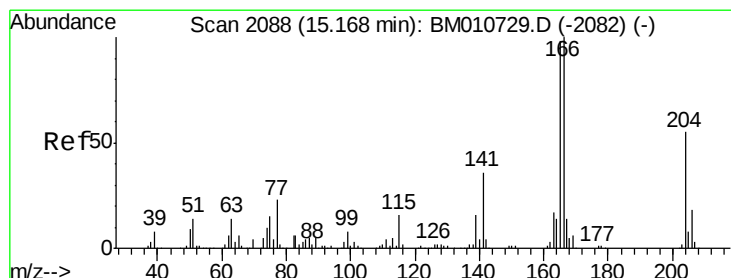
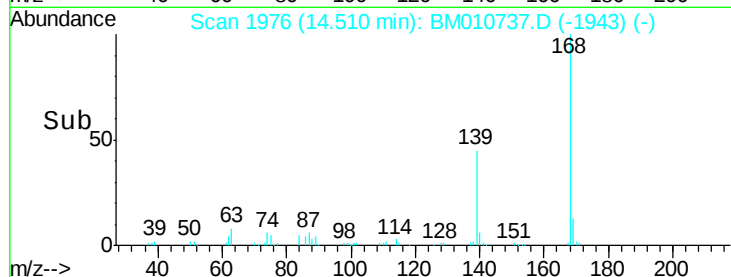
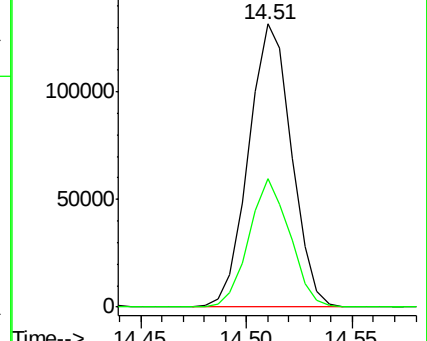
168 100

139 45.4 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: 9.79 ng/ul

RT: 15.16 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

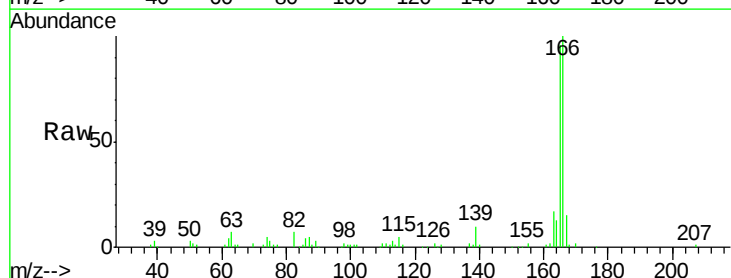
Tgt Ion:166 Resp: 151977

Ion Ratio Lower Upper

166 100

165 95.9 77.9 116.9

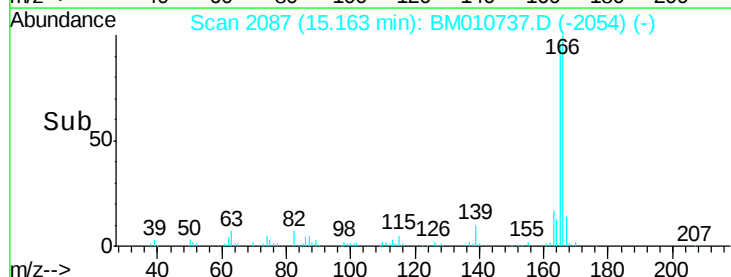
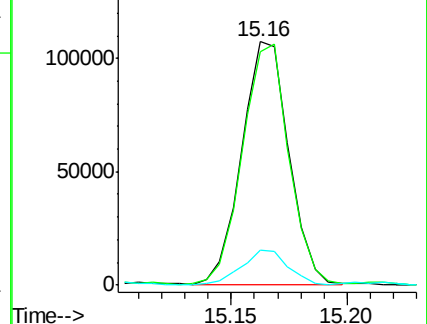
167 14.6 10.6 16.0

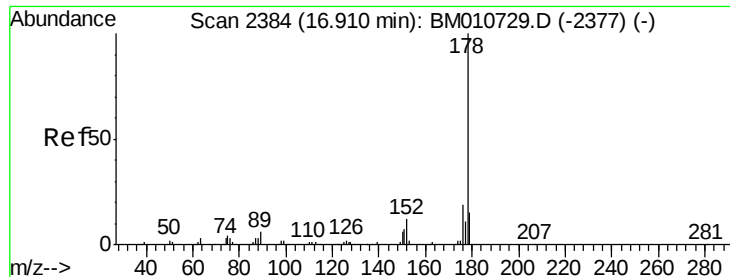


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 40.82 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

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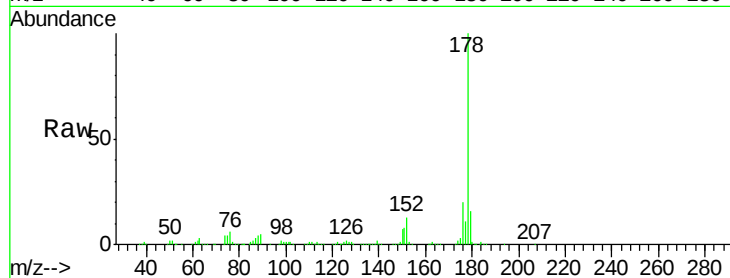
Tgt Ion:178 Resp: 1000886

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

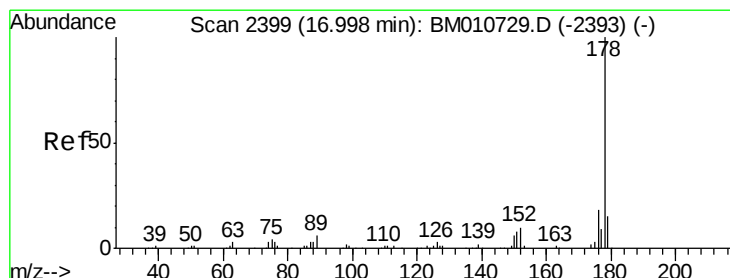
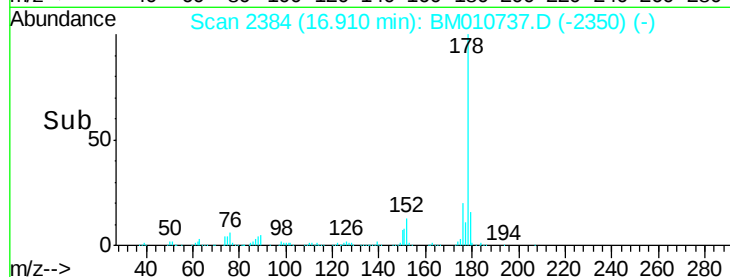
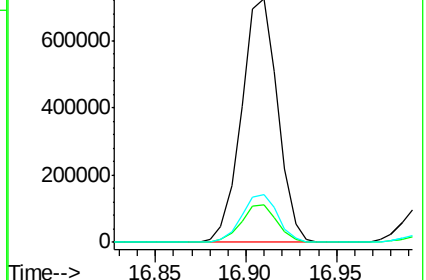
176 19.7 14.9 22.3



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: 5.82 ng/ul

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

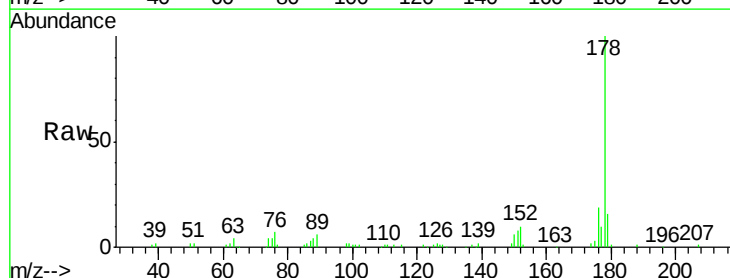
Tgt Ion:178 Resp: 146917

Ion Ratio Lower Upper

178 100

179 16.4 11.7 17.5

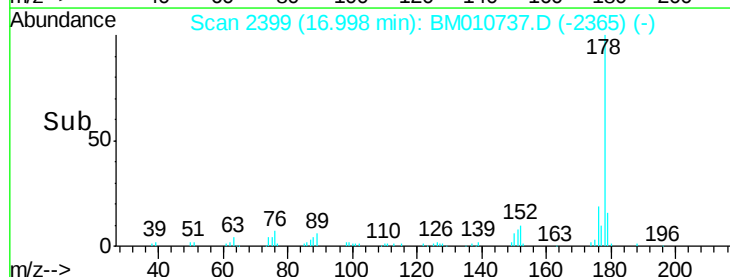
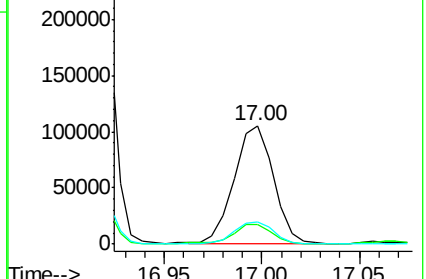
176 18.9 14.6 21.8

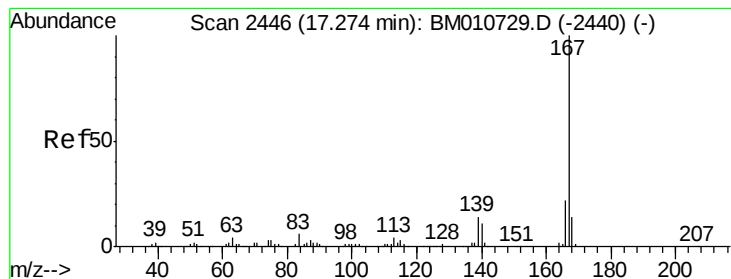


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.57 ng/ul

RT: 17.27 min Scan# 2445

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

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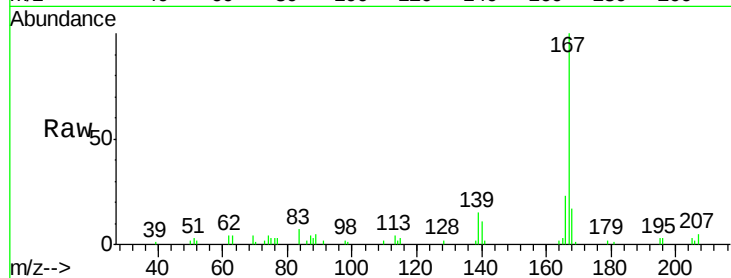
Tgt Ion:167 Resp: 34564

Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

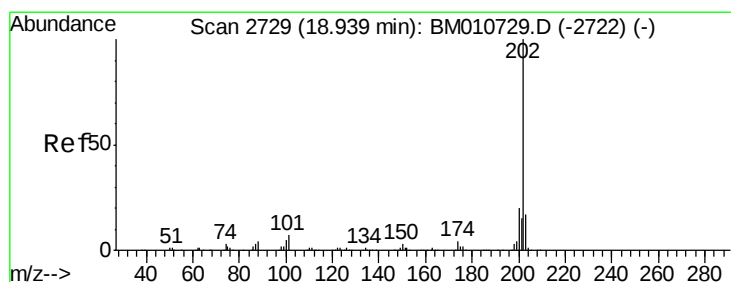
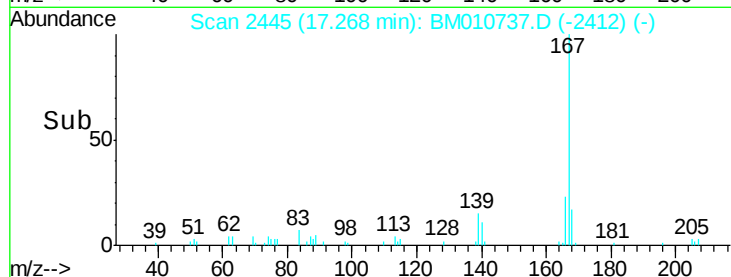
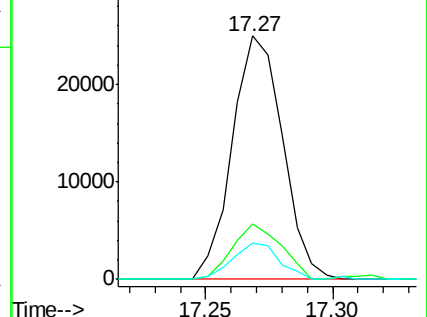
139 15.0 10.0 15.0



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: 23.91 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

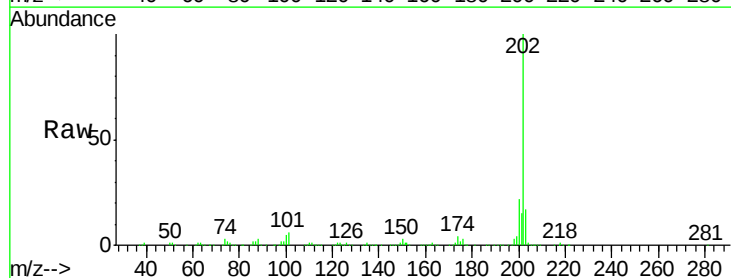
Tgt Ion:202 Resp: 755594

Ion Ratio Lower Upper

202 100

101 6.1 4.6 7.0

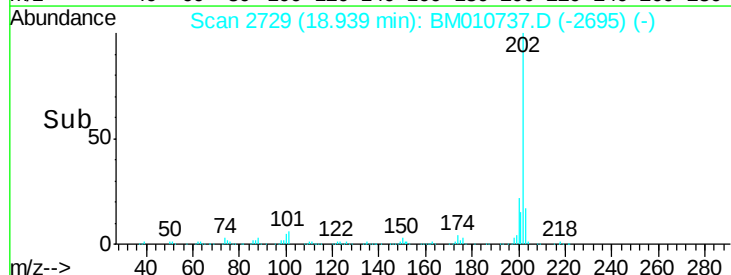
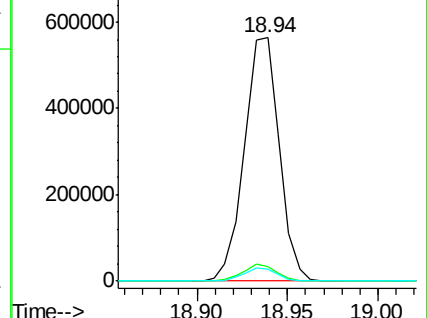
100 5.1 3.4 5.2

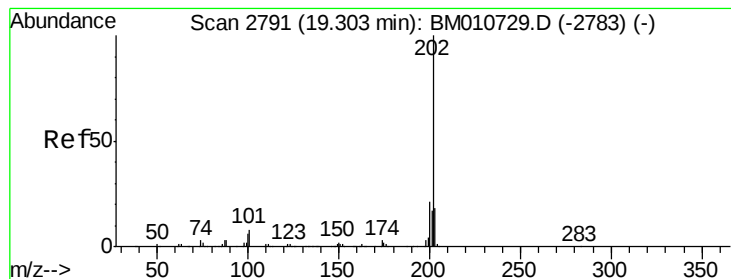


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 16.29 ng/ul

RT: 19.30 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

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F5C52DL

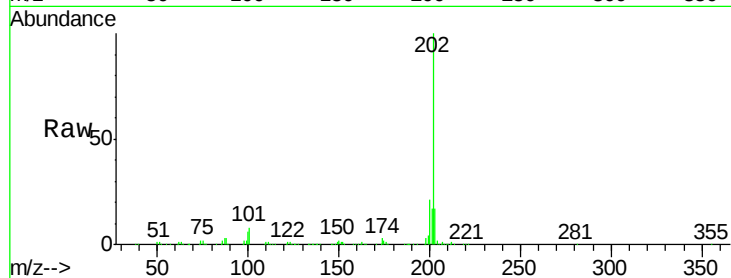
Tgt Ion:202 Resp: 527318

Ion Ratio Lower Upper

202 100

101 7.6 5.1 7.7

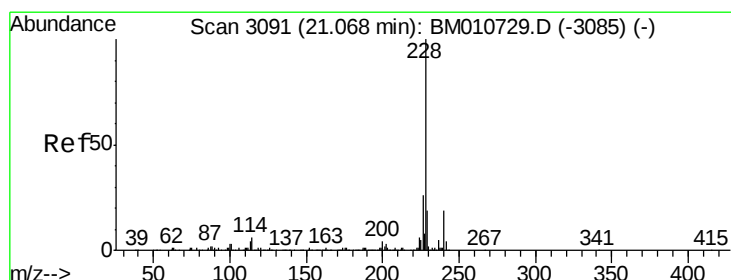
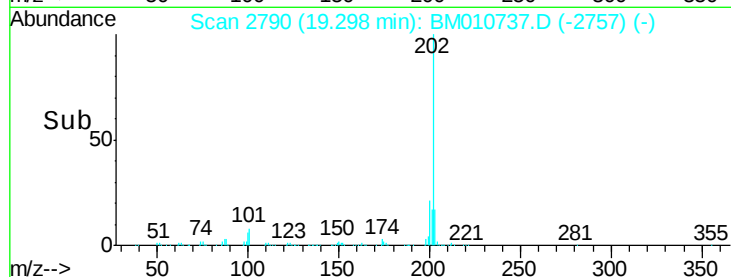
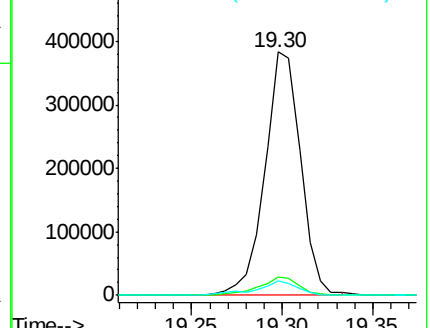
100 5.9 4.9 7.3



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: 6.41 ng/ul

RT: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

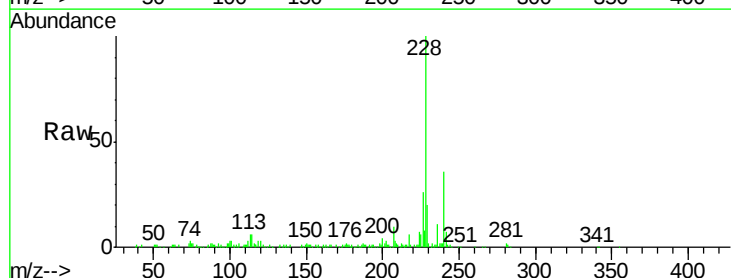
Tgt Ion:228 Resp: 209053

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

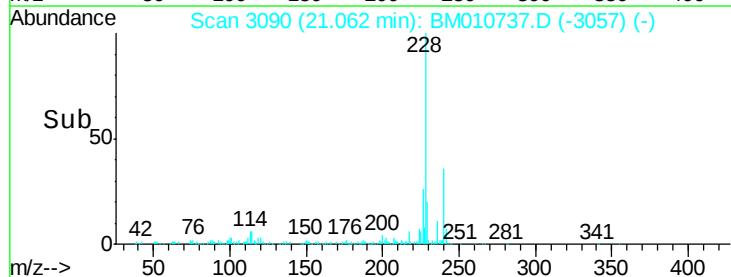
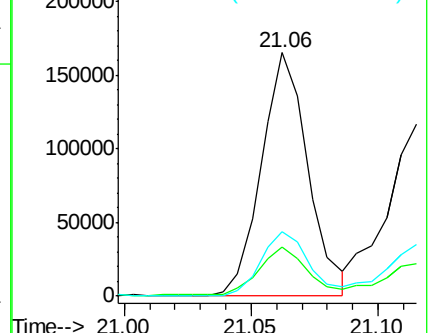
226 26.3 21.4 32.0

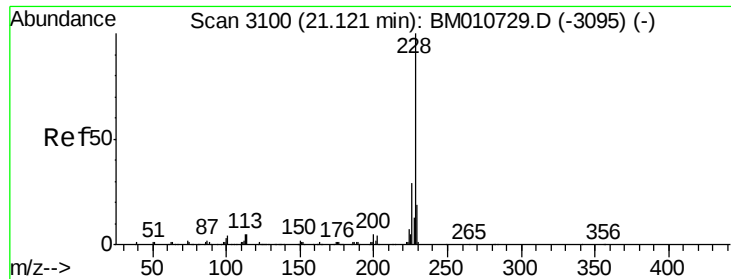


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 5.38 ng/ul

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

Instrument :

BNA_M

ClientSampleId :

F5C52DL

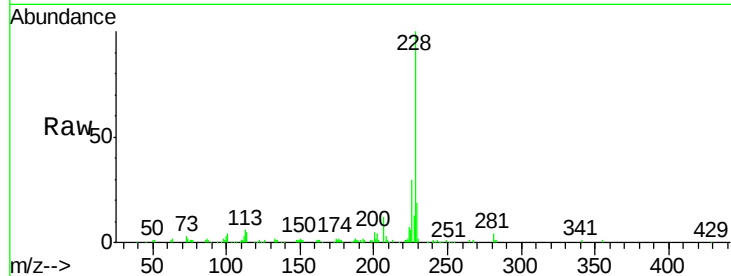
Tgt Ion:228 Resp: 156506

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

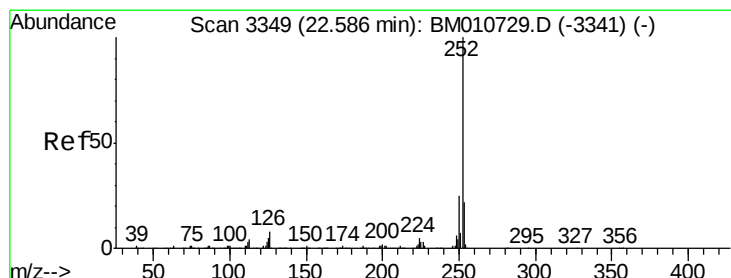
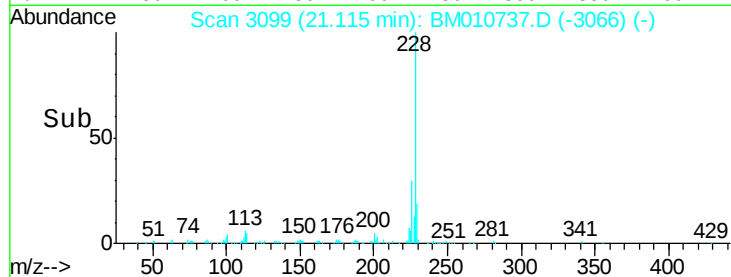
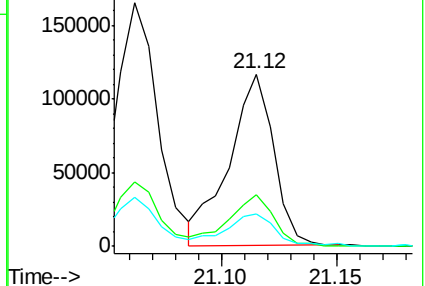
229 18.9 15.5 23.3



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: 4.92 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BM010737.D

Acq: 24 Jun 2017 19:27

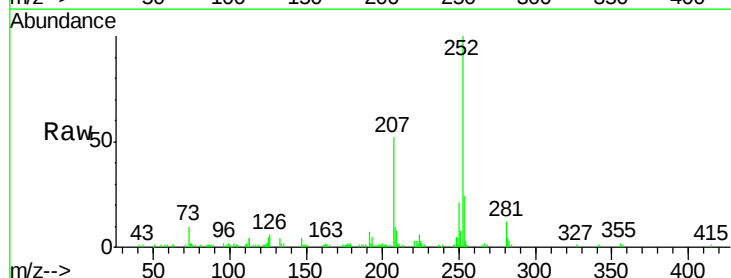
Tgt Ion:252 Resp: 136229

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

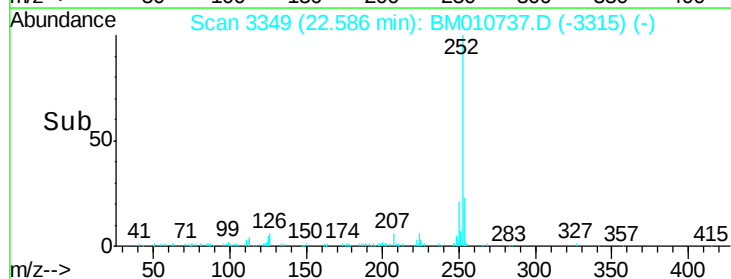
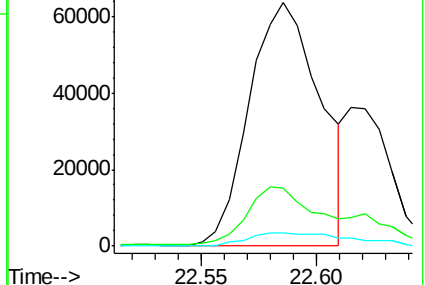
125 5.3 3.6 5.4

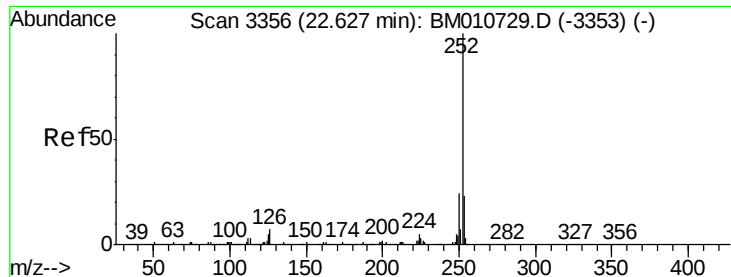


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

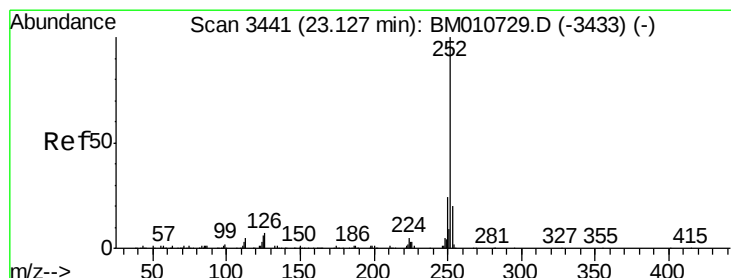
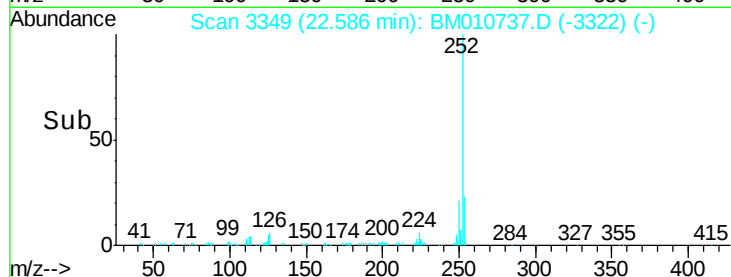
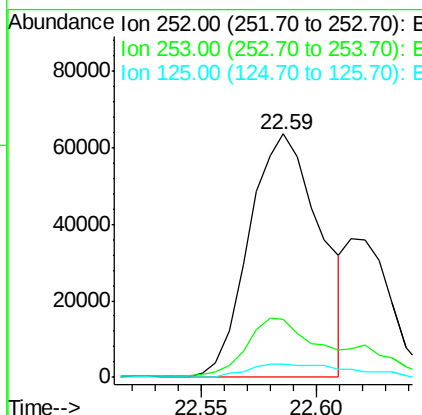
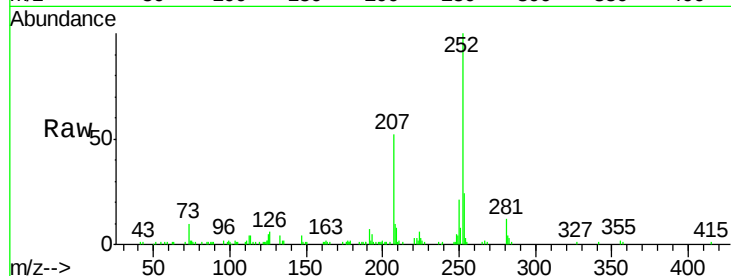




#86
Benzo(k)fluoranthene
Concen: 5.19 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. -0.04 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

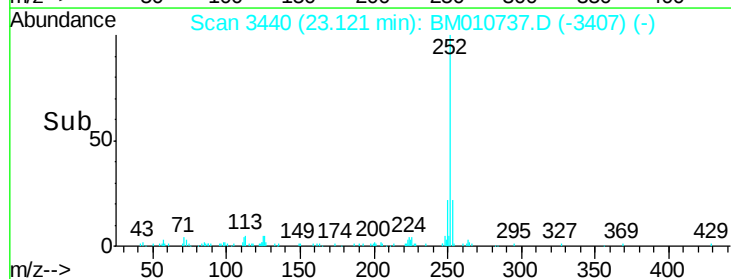
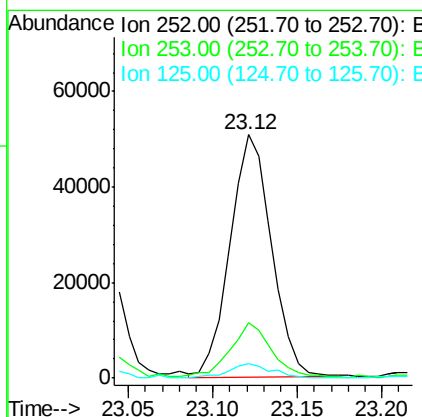
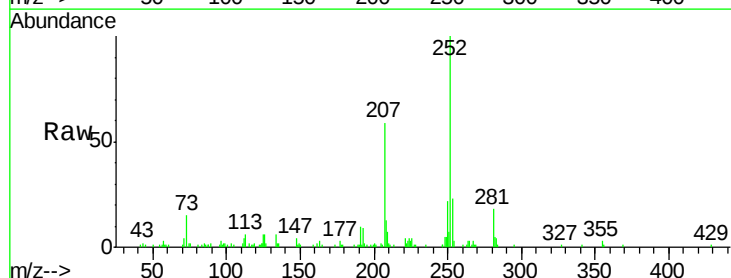
Instrument :
BNA_M
ClientSampleId :
F5C52DL

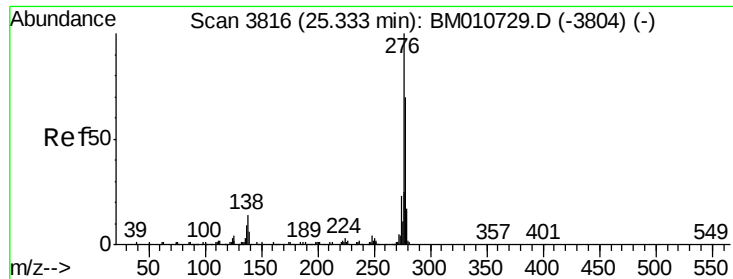
Tgt Ion:252 Resp: 136229
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 5.3 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 3.41 ng/ul
RT: 23.12 min Scan# 3440
Delta R.T. -0.01 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Tgt Ion:252 Resp: 86805
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 6.1 4.0 6.0#



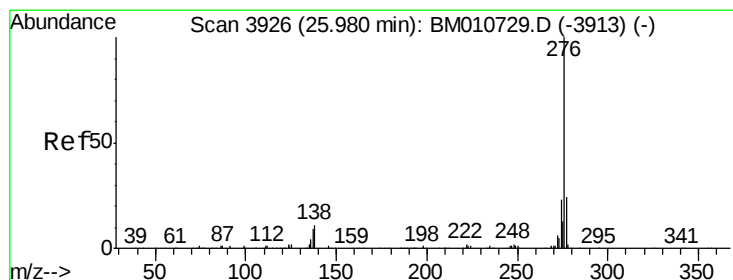
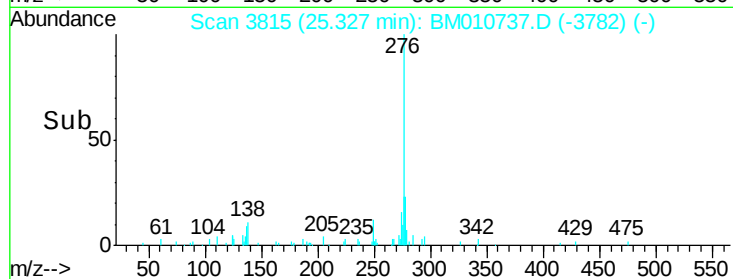
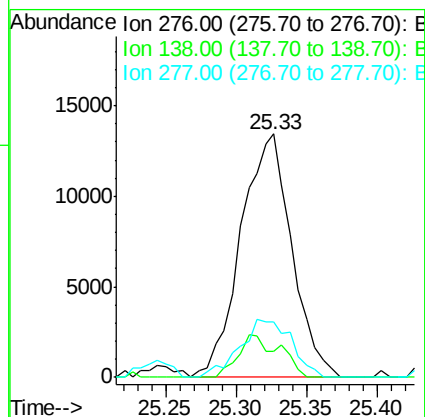
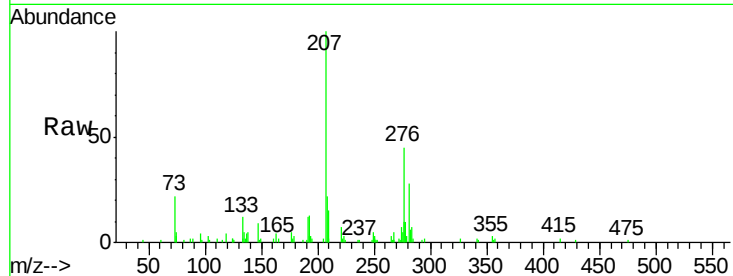


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.28 ng/ul
RT: 25.33 min Scan# 3815
Delta R.T. -0.01 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Instrument :
BNA_M
ClientSampleId :
F5C52DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.5	9.3	13.9
277	22.6	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 1.09 ng/ul
RT: 25.96 min Scan# 3922
Delta R.T. -0.02 min
Lab File: BM010737.D
Acq: 24 Jun 2017 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	8.5	12.7#
277	20.9	18.6	28.0

