

Data File : BM018191.D
Acq On : 15 Dec 2018 05:47
Operator : JU/SJ
Sample : J6238-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE8B5

Quant Time: Dec 15 20:24:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 15 03:53:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	141317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	598406	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	332691	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	742194	20.00	ng/ul	0.01
77) Chrysene-d12	21.15	240	720474	20.00	ng/ul	0.01
85) Perylene-d12	23.32	264	770186	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.10	96	7827	2.64	ng/uL	0.00
5) Phenol-d5	6.71	99	171673	12.64	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	103200	14.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	140372	13.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	136189	12.36	ng/ul	0.01
19) Nitrobenzene-d5	8.67	128	70114	14.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	72238	12.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	128479	12.78	ng/ul	0.01
29) 4-Chloroaniline-d4	10.44	131	124816	14.04	ng/ul	0.01
43) Dimethylphthalate-d6	13.59	166	436065	14.82	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	527514	14.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	35017	6.59	ng/ul	0.02
57) Fluorene-d10	15.17	176	384614	15.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	8280	1.46	ng/ul	0.02
70) Anthracene-d10	17.03	188	588832	15.70	ng/ul	0.00
78) Pyrene-d10	19.34	212	599884	17.36	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.18	264	650707	15.25	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Phenol	6.73	94	31498	2.358	ng/ul	93
28) Naphthalene	10.33	128	55911	1.737	ng/ul	97
44) Dimethylphthalate	13.64	163	44788	1.598	ng/ul	97
47) Acenaphthylene	13.89	152	70523	2.077	ng/ul	93
49) Acenaphthene	14.23	153	77664	3.247	ng/ul	95
53) Dibenzofuran	14.57	168	51404	1.555	ng/ul	94
58) Fluorene	15.23	166	95798	3.487	ng/ul	99
69) Phenanthrene	16.97	178	1800086	41.547	ng/ul	100
71) Anthracene	17.06	178	604605	13.560	ng/ul	100
74) Carbazole	17.34	167	121558	2.996	ng/ul	100
76) Fluoranthene	19.01	202	3119608	62.074	ng/ul	99
79) Pyrene	19.37	202	2897158	67.214	ng/ul	99
82) Benzo(a)anthracene	21.13	228	1404357	30.799	ng/ul	98
84) Chrysene	21.19	228	1237960	29.096	ng/ul	97
87) Benzo(b)fluoranthene	22.67	252	1585053	34.534	ng/ul#	94
88) Benzo(k)fluoranthene	22.67	252	1585053	34.702	ng/ul#	94
90) Benzo(a)pyrene	23.22	252	1178487	26.031	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.46	276	756878	14.733	ng/ul	95
92) Dibenzo(a,h)anthracene	25.46	278	194233	4.450	ng/ul#	87
93) Benzo(g,h,i)perylene	26.11	276	627985	14.667	ng/ul	97

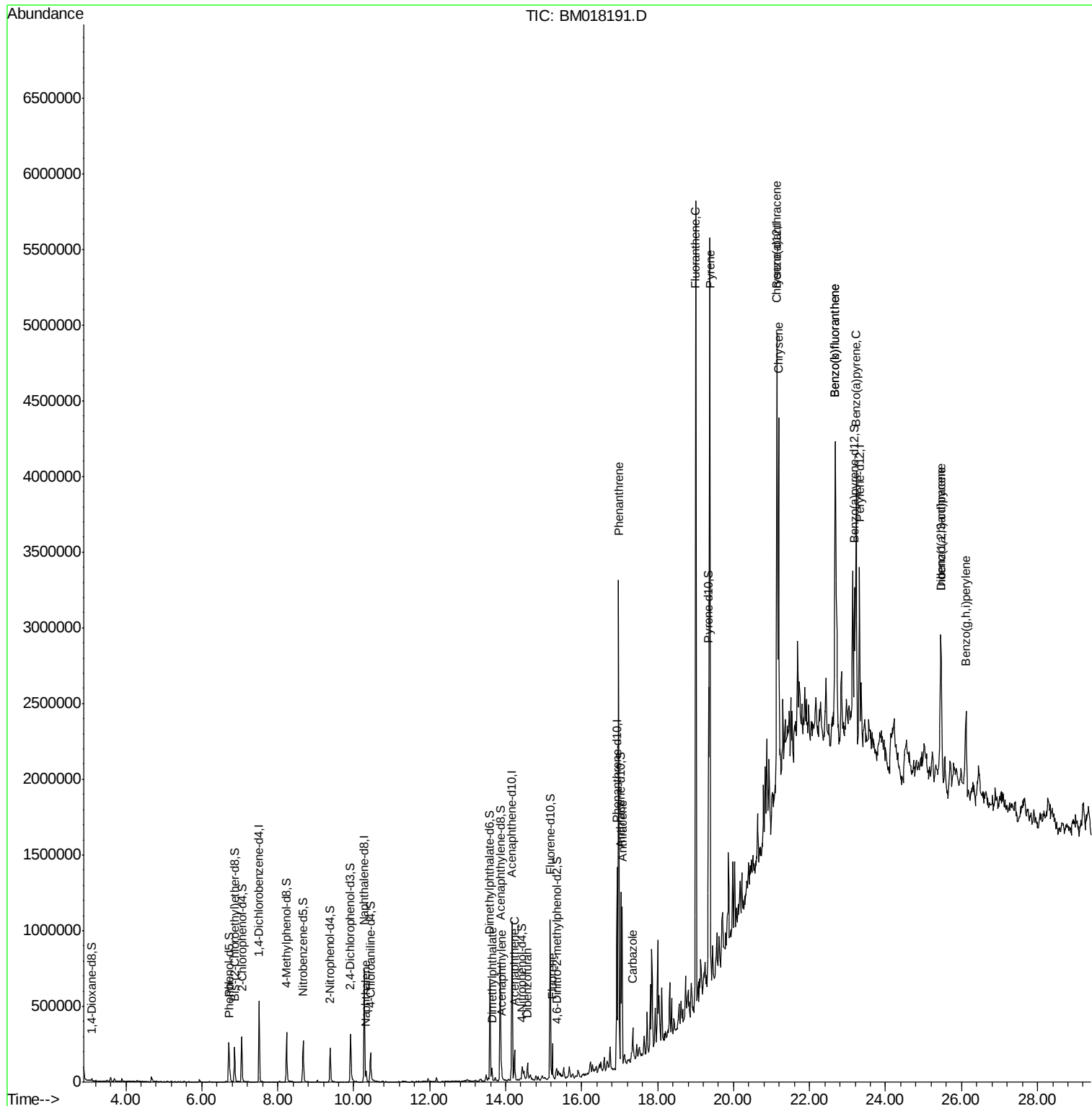
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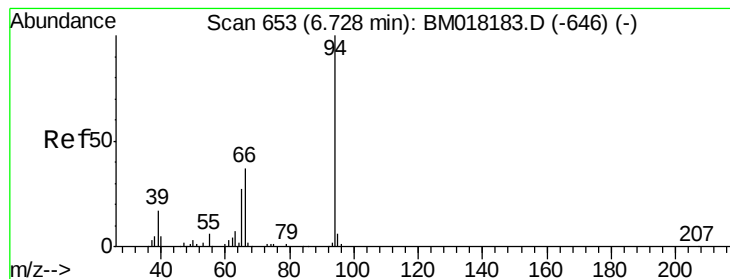
Data File : BM018191.D

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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 2.358 ng/ul

RT: 6.73 min Scan# 654

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

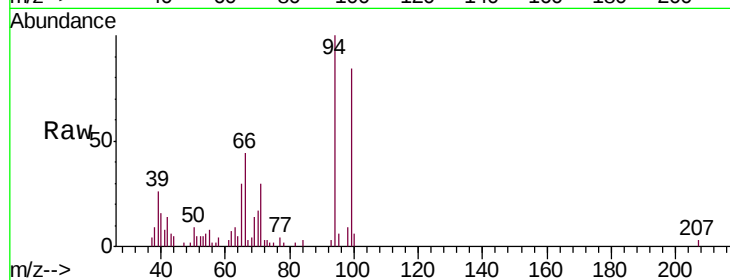
Tgt Ion: 94 Resp: 31498

Ion Ratio Lower Upper

94 100

65 29.6 22.0 33.0

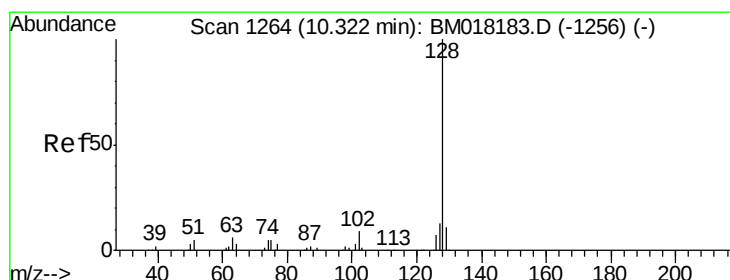
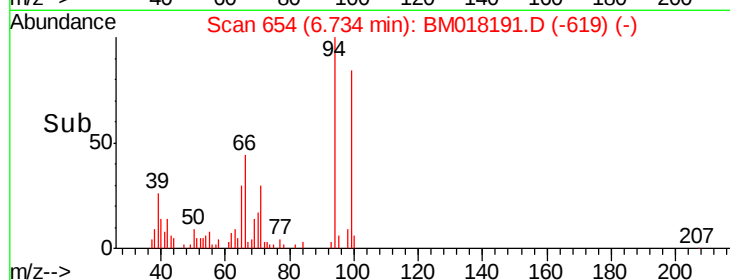
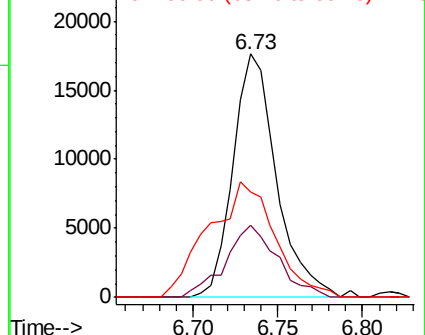
66 43.5 30.3 45.5



Abundance Ion 94.00 (93.70 to 94.70): BM018183.D (-646) (-)

Ion 65.00 (64.70 to 65.70): BM018183.D (-646) (-)

Ion 66.00 (65.70 to 66.70): BM018183.D (-646) (-)



#28

Naphthalene

Concen: 1.737 ng/ul

RT: 10.33 min Scan# 1265

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

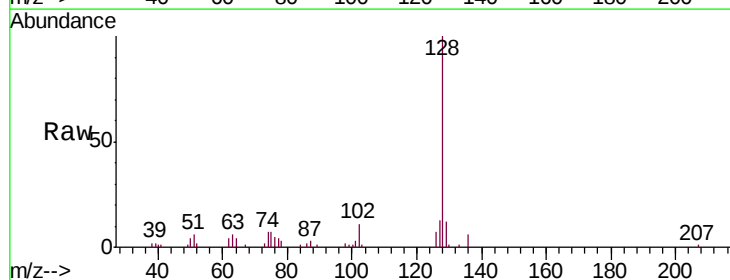
Tgt Ion: 128 Resp: 55911

Ion Ratio Lower Upper

128 100

129 12.2 8.2 12.4

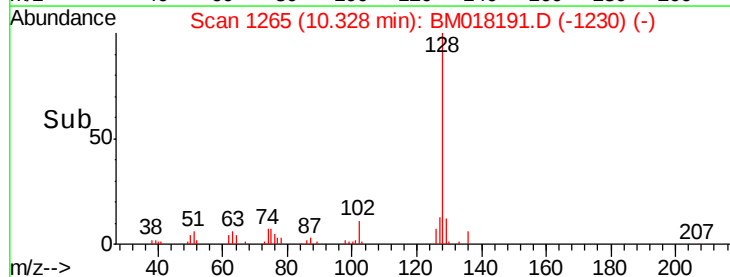
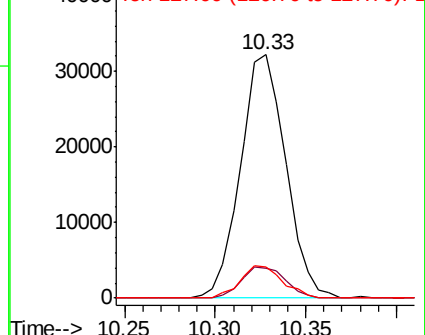
127 12.7 9.7 14.5

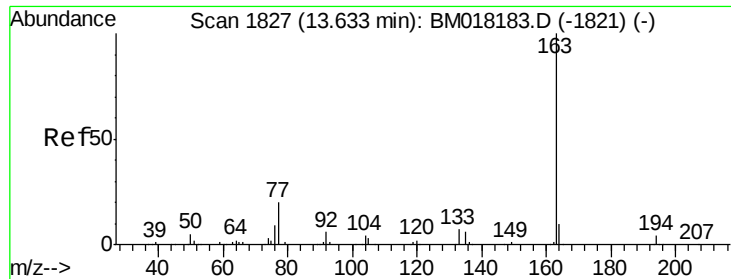


Abundance Ion 128.00 (127.70 to 128.70): BM018183.D (-1256) (-)

Ion 129.00 (128.70 to 129.70): BM018183.D (-1256) (-)

Ion 127.00 (126.70 to 127.70): BM018183.D (-1256) (-)





#44

Dimethylphthalate

Concen: 1.598 ng/ul

RT: 13.64 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

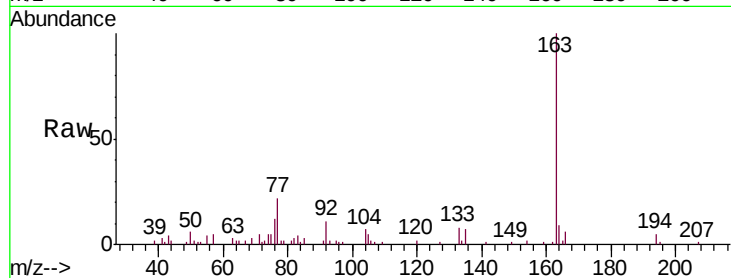
Tgt Ion:163 Resp: 44788

Ion Ratio Lower Upper

163 100

194 4.5 3.7 5.5

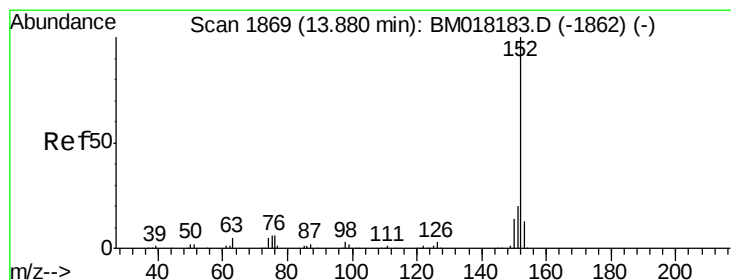
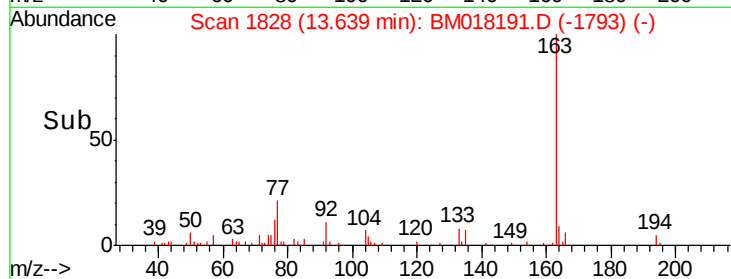
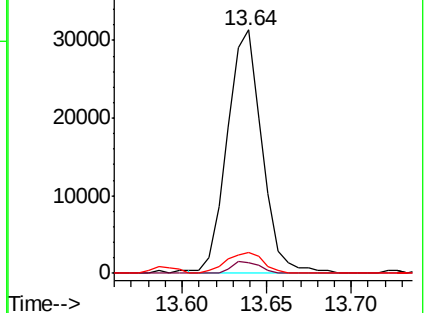
164 8.8 8.2 12.4



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



#47

Acenaphthylene

Concen: 2.077 ng/ul

RT: 13.89 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

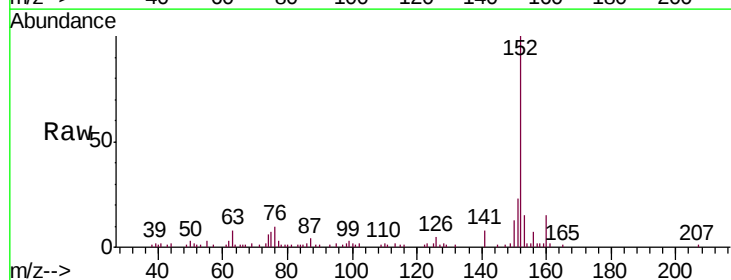
Tgt Ion:152 Resp: 70523

Ion Ratio Lower Upper

152 100

151 23.4 15.7 23.5

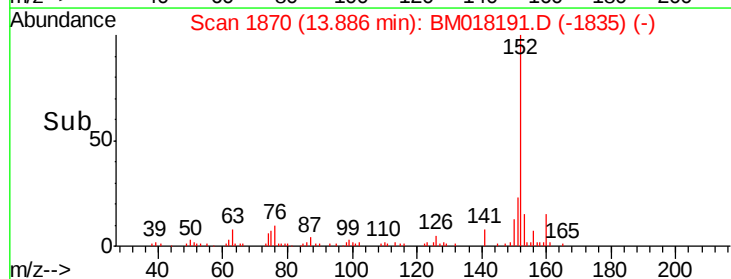
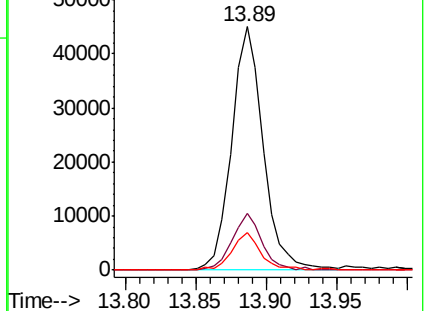
153 15.3 10.2 15.4

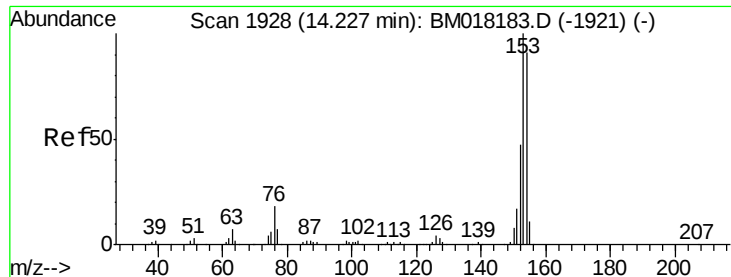


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 3.247 ng/ul

RT: 14.23 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

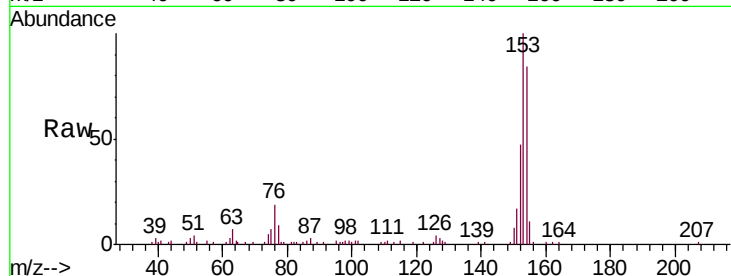
Tgt Ion:153 Resp: 77664

Ion Ratio Lower Upper

153 100

152 47.1 37.1 55.7

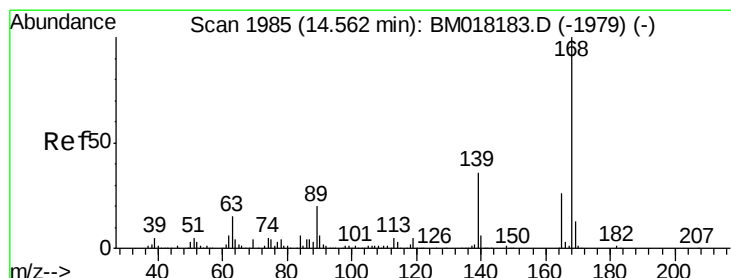
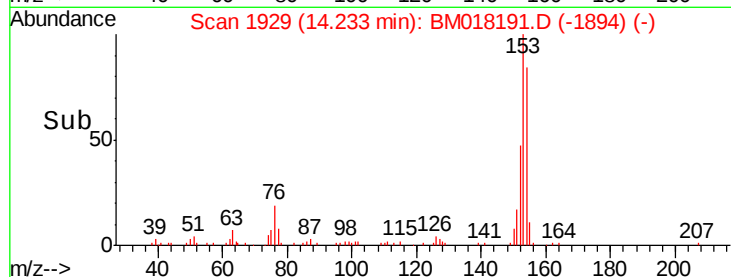
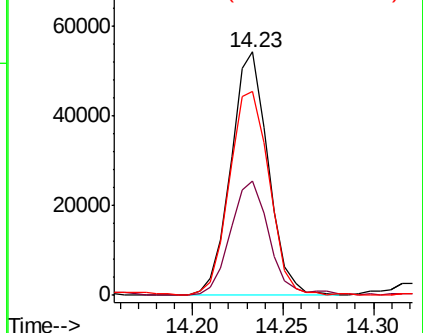
154 83.9 71.8 107.8



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: 1.555 ng/ul

RT: 14.57 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BM018191.D

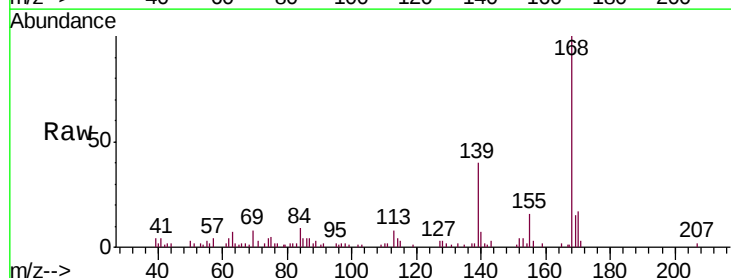
Acq: 15 Dec 2018 05:47

Tgt Ion:168 Resp: 51404

Ion Ratio Lower Upper

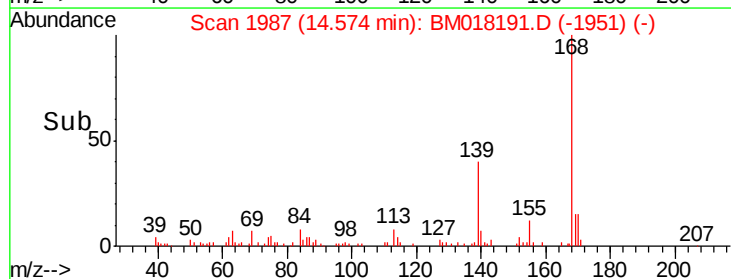
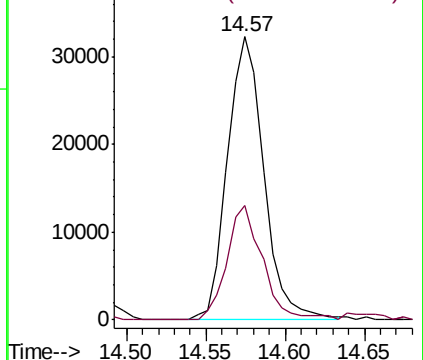
168 100

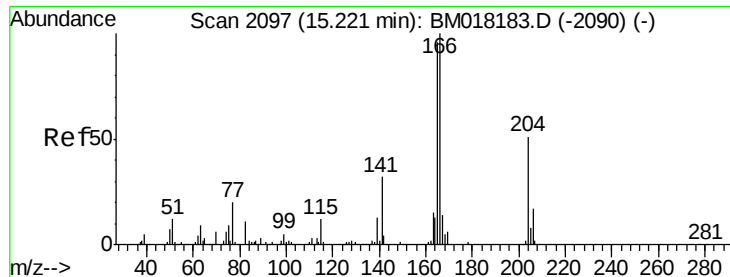
139 40.3 29.4 44.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.487 ng/ul

RT: 15.23 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

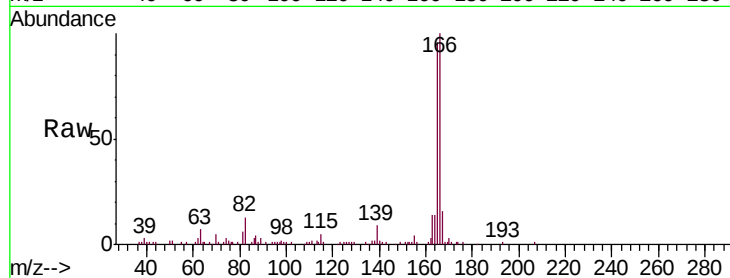
Tgt Ion:166 Resp: 95798

Ion Ratio Lower Upper

166 100

165 95.6 76.2 114.4

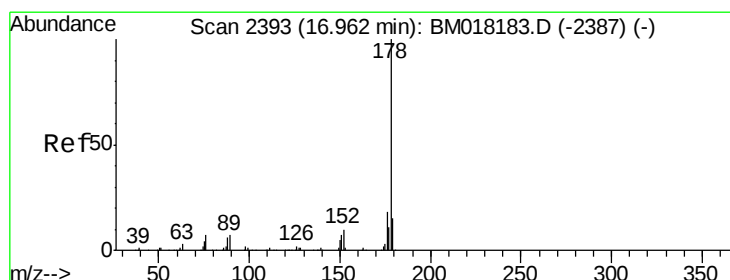
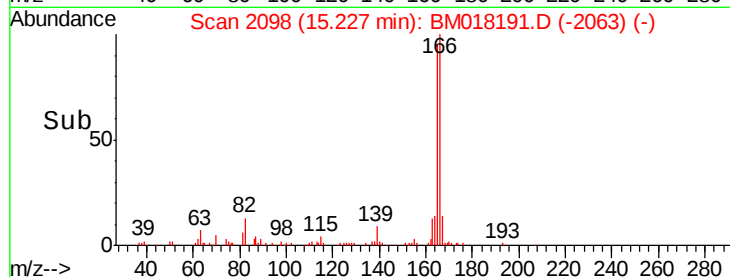
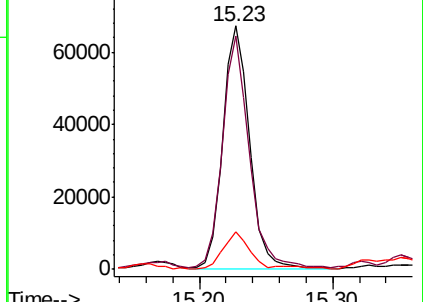
167 15.6 11.2 16.8



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: 41.547 ng/ul

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

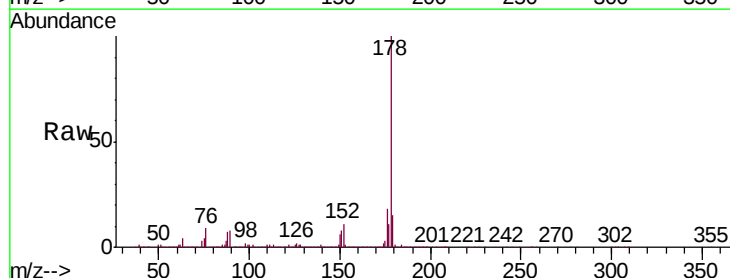
Tgt Ion:178 Resp: 1800086

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

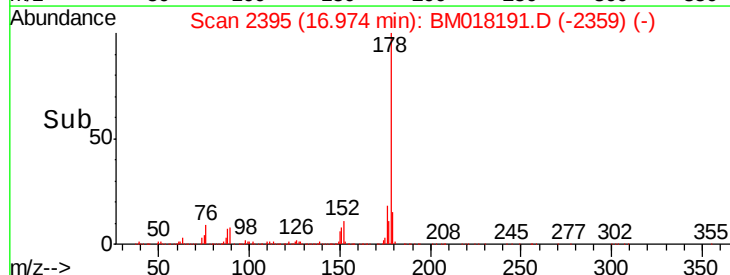
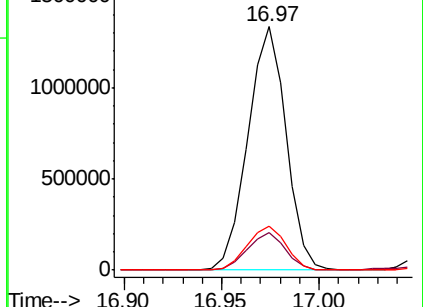
176 17.9 14.3 21.5

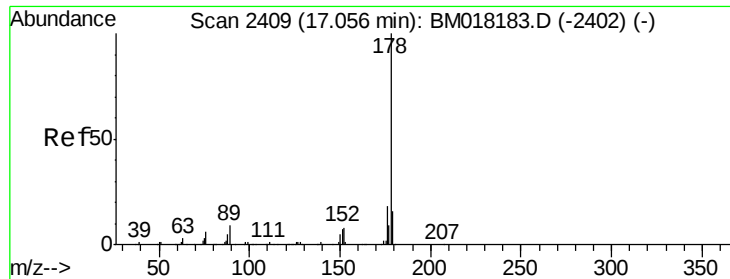


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

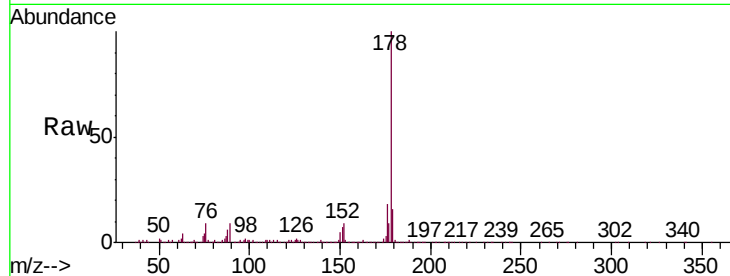




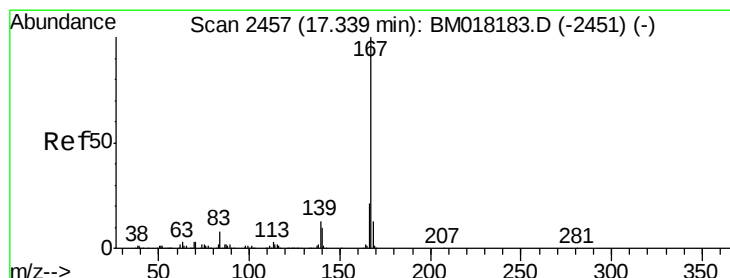
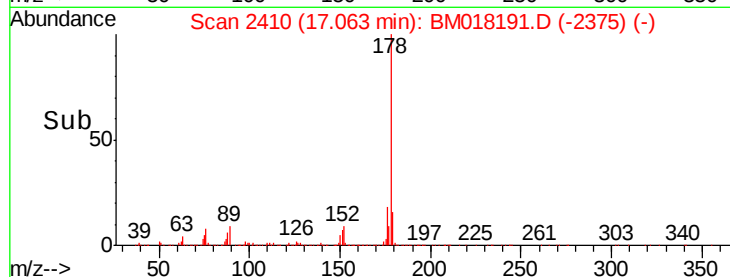
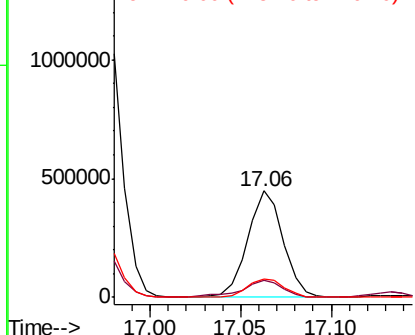
#71
 Anthracene
 Concen: 13.560 ng/ul
 RT: 17.06 min Scan# 2410
 Delta R.T. 0.01 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

Instrument :
 BNA_M
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 BE8B5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.9	19.3
176	17.7	14.1	21.1

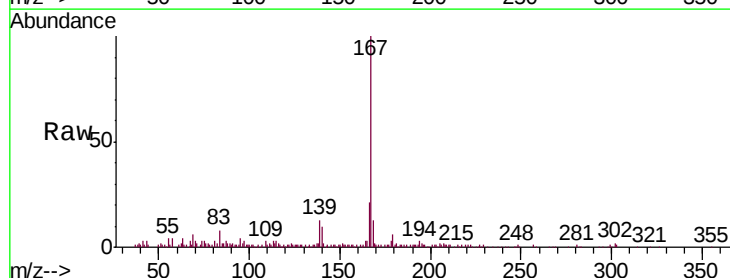


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

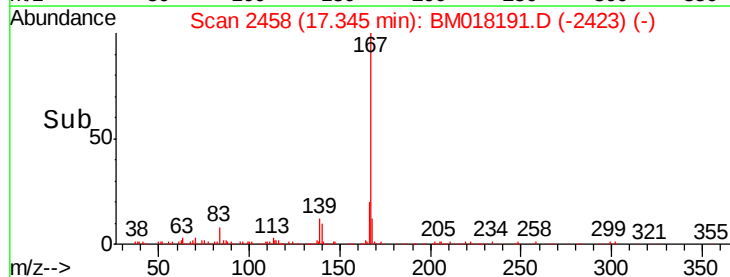
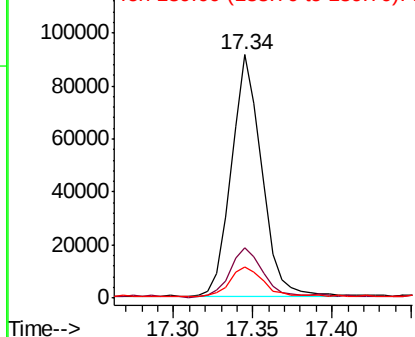


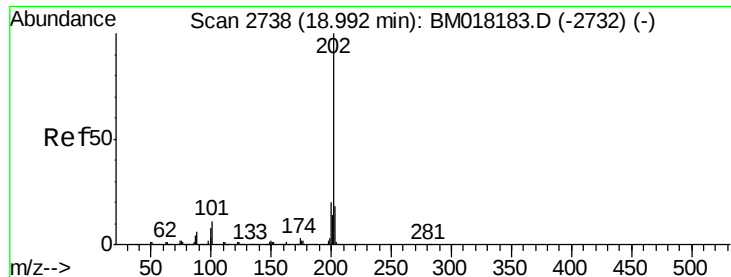
#74
 Carbazole
 Concen: 2.996 ng/ul
 RT: 17.34 min Scan# 2458
 Delta R.T. 0.01 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	16.6	24.8
139	12.6	10.2	15.4



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

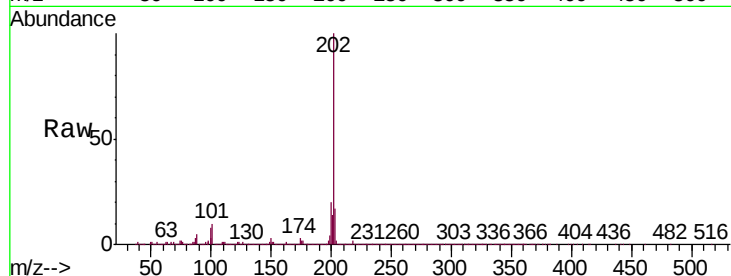




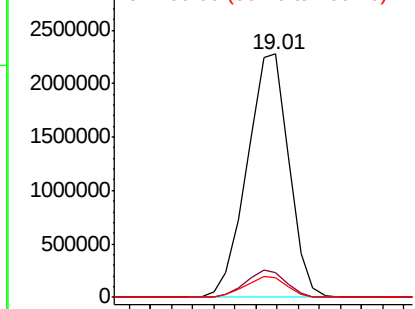
#76
 Fluoranthene
 Concen: 62.074 ng/ul
 RT: 19.01 min Scan# 2741
 Delta R.T. 0.02 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

Instrument :
 BNA_M
 ClientSampleId :
 BE8B5

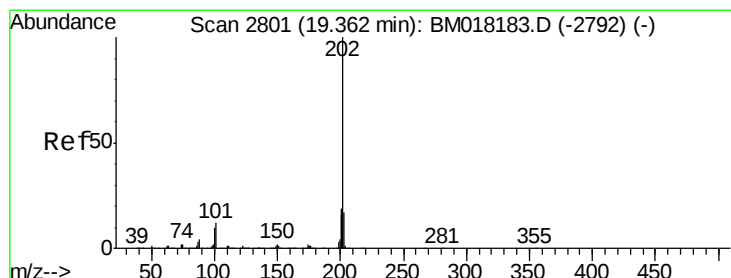
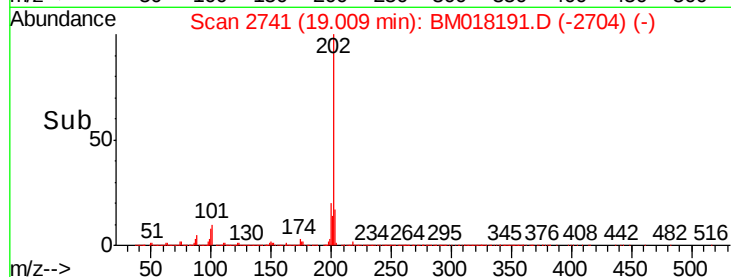
Tgt Ion:202 Resp: 3119608
 Ion Ratio Lower Upper
 202 100
 101 10.4 8.0 12.0
 100 8.3 6.6 10.0



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

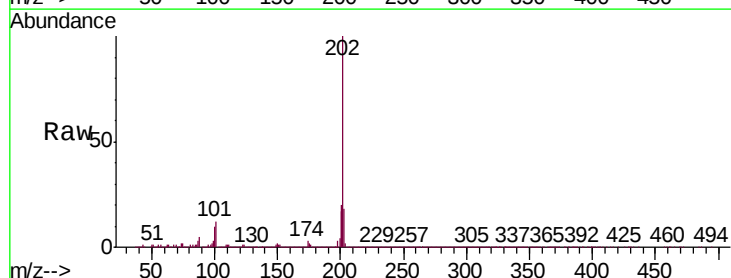


Time-->

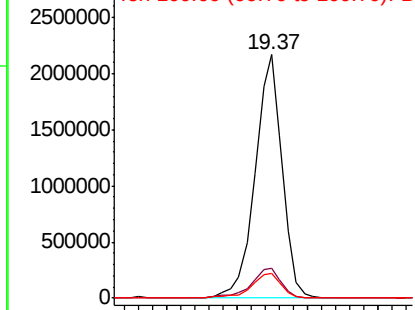


#79
 Pyrene
 Concen: 67.214 ng/ul
 RT: 19.37 min Scan# 2803
 Delta R.T. 0.01 min
 Lab File: BM018191.D
 Acq: 15 Dec 2018 05:47

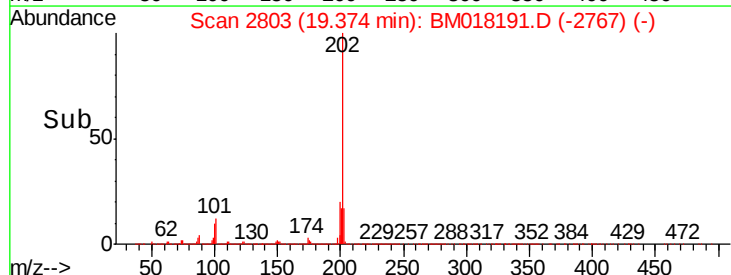
Tgt Ion:202 Resp: 2897158
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.6 14.4
 100 10.2 7.7 11.5

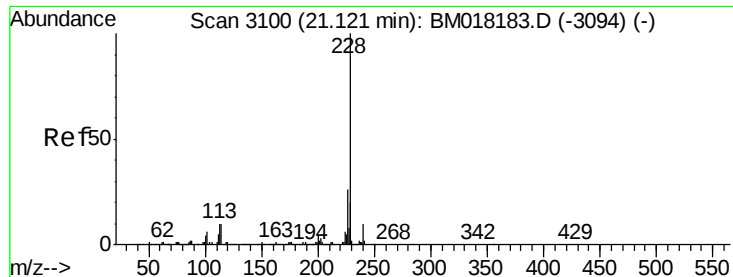


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time-->





#82

Benzo(a)anthracene

Concen: 30.799 ng/ul

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampled :

BE8B5

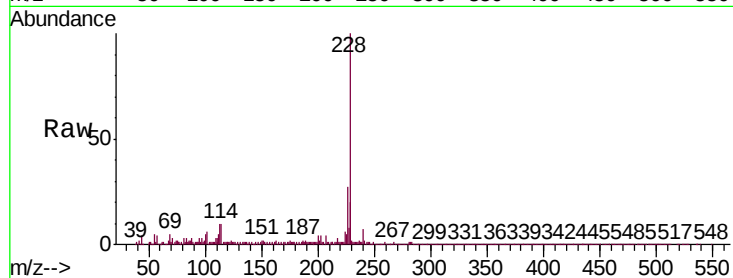
Tgt Ion:228 Resp: 1404357

Ion Ratio Lower Upper

228 100

229 20.5 16.0 24.0

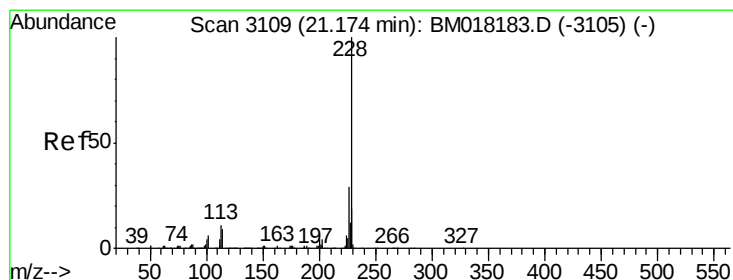
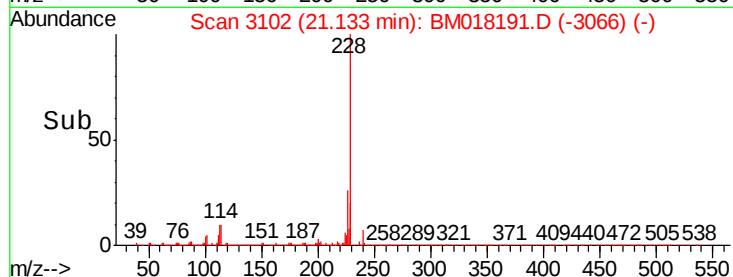
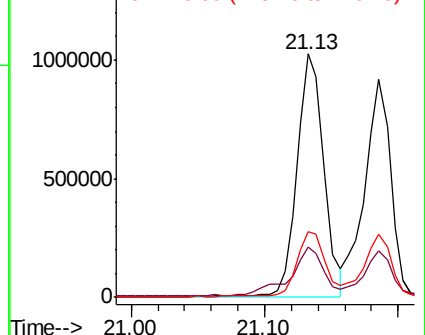
226 26.8 20.5 30.7



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



#84

Chrysene

Concen: 29.096 ng/ul

RT: 21.19 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

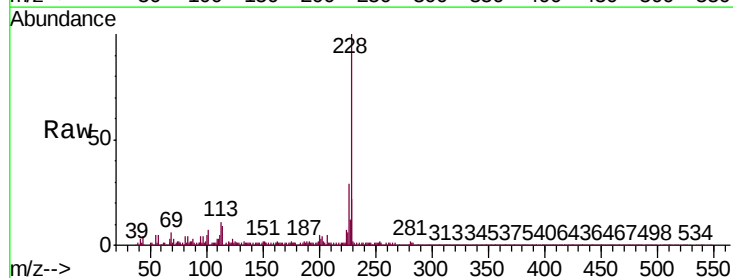
Tgt Ion:228 Resp: 1237960

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

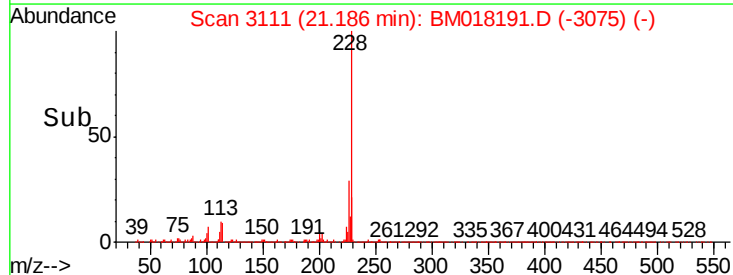
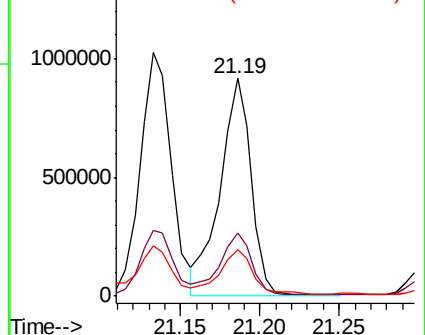
229 21.5 15.5 23.3

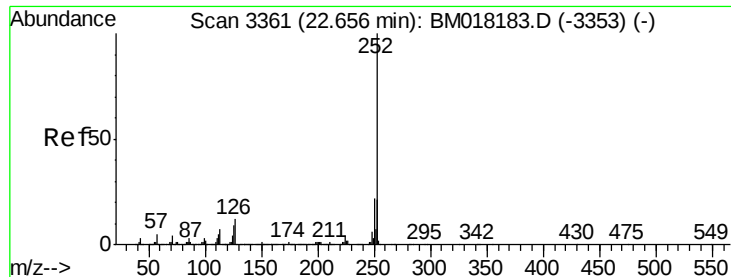


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 34.534 ng/u1

RT: 22.67 min Scan# 3364

Delta R.T. 0.02 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

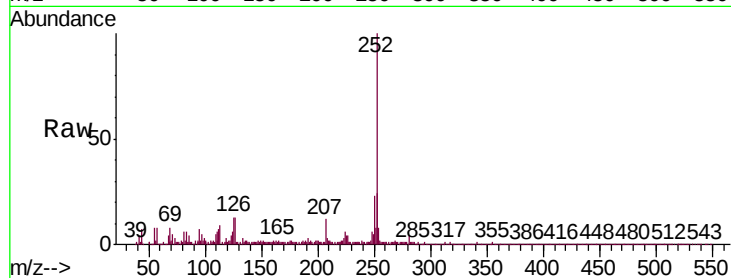
Tgt Ion:252 Resp: 1585053

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

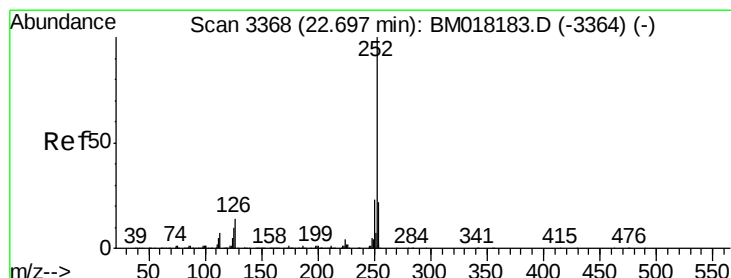
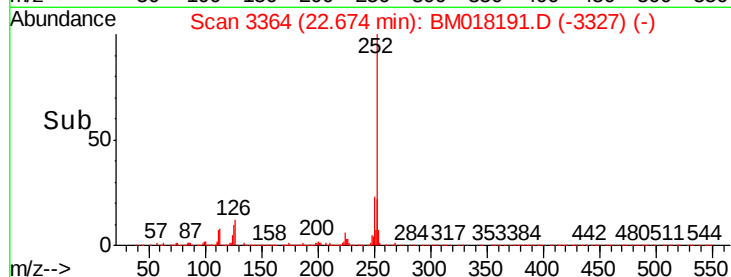
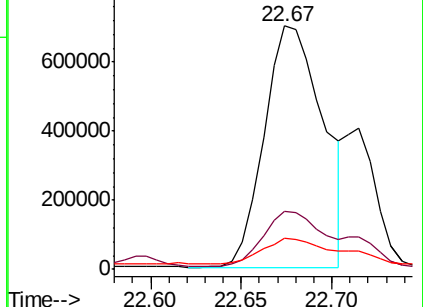
125 12.7 7.8 11.6#



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



#88

Benzo(k)fluoranthene

Concen: 34.702 ng/u1

RT: 22.67 min Scan# 3364

Delta R.T. -0.02 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

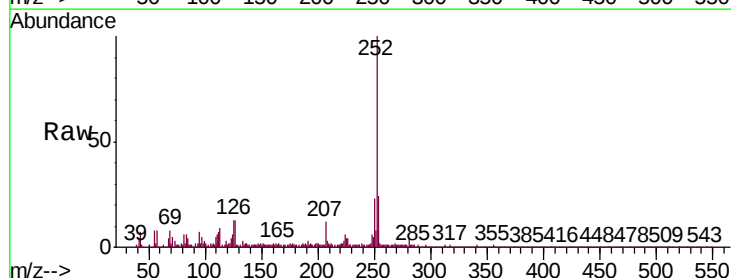
Tgt Ion:252 Resp: 1585053

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

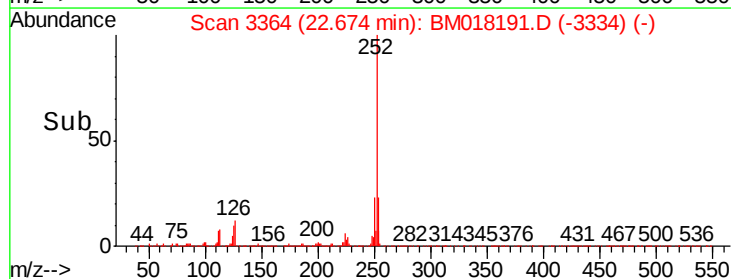
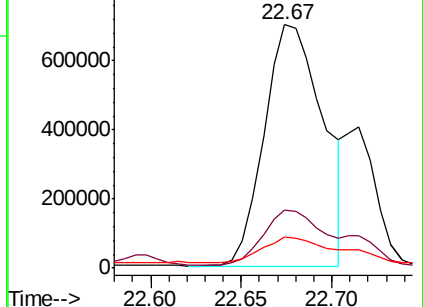
125 12.7 7.8 11.8#

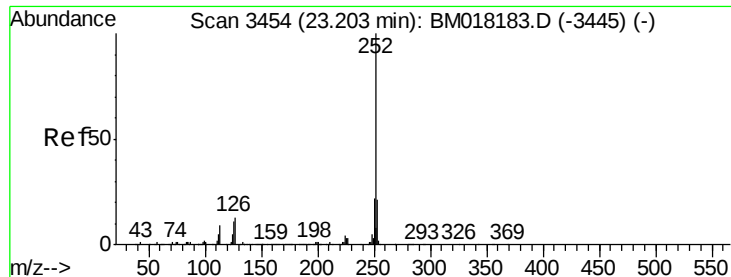


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 26.031 ng/ul

RT: 23.22 min Scan# 3457

Delta R.T. 0.02 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

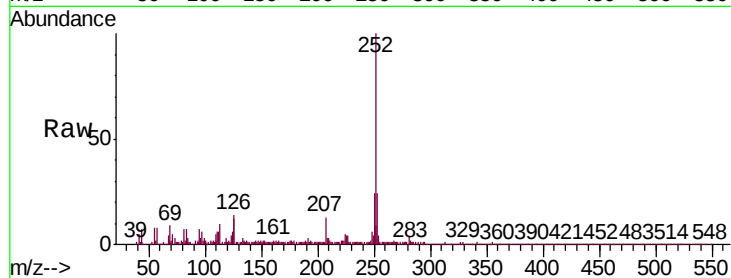
Tgt Ion:252 Resp: 1178487

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

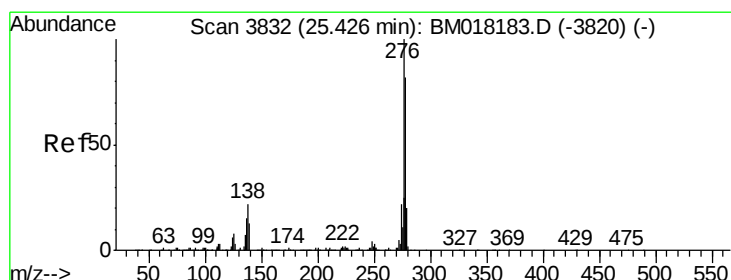
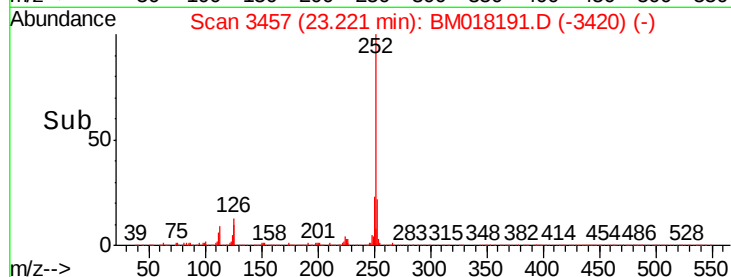
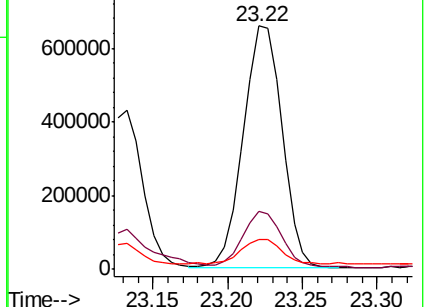
125 12.4 9.0 13.4



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 14.733 ng/ul

RT: 25.46 min Scan# 3837

Delta R.T. 0.03 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

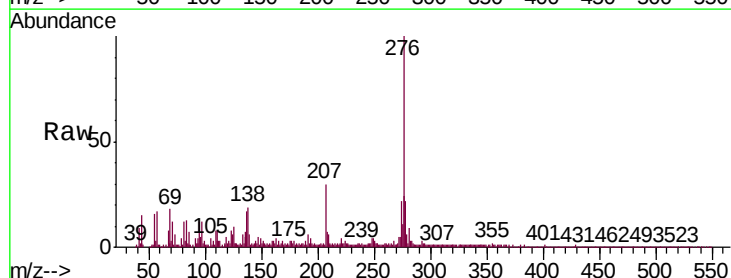
Tgt Ion:276 Resp: 756878

Ion Ratio Lower Upper

276 100

138 19.1 18.6 28.0

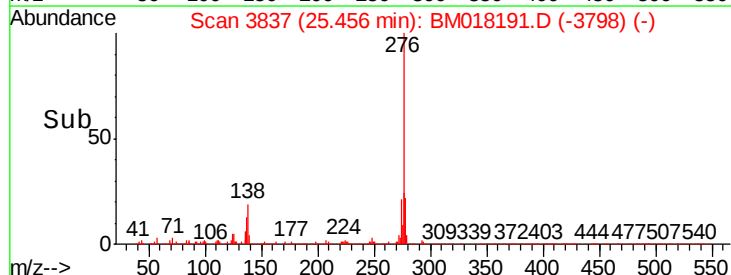
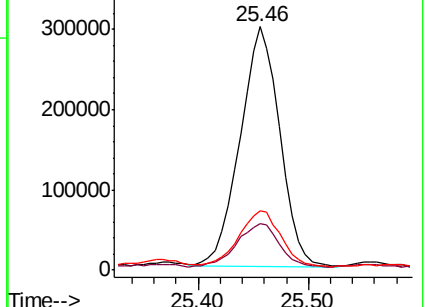
277 24.5 20.1 30.1

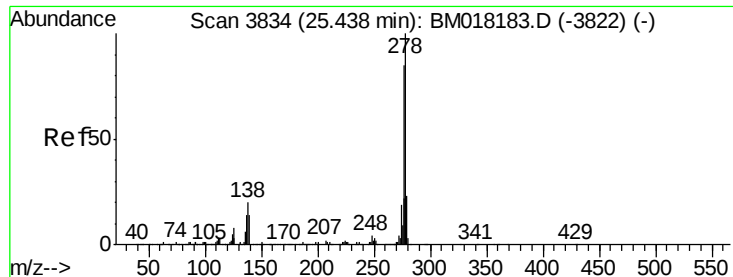


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 4.450 ng/ul

RT: 25.46 min Scan# 3837

Delta R.T. 0.02 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Instrument :

BNA_M

ClientSampleId :

BE8B5

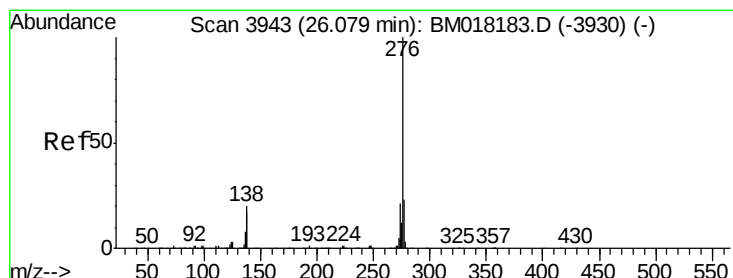
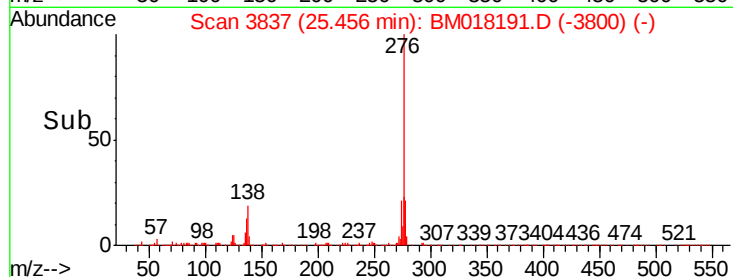
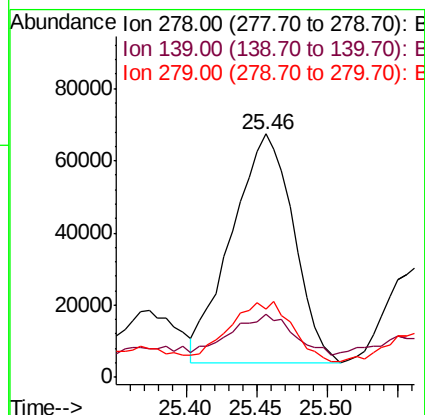
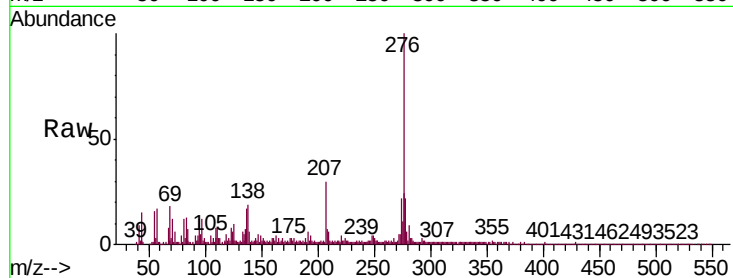
Tgt Ion:278 Resp: 194233

Ion Ratio Lower Upper

278 100

139 25.7 12.6 19.0#

279 27.9 19.6 29.4



#93

Benzo(g,h,i)perylene

Concen: 14.667 ng/ul

RT: 26.11 min Scan# 3949

Delta R.T. 0.04 min

Lab File: BM018191.D

Acq: 15 Dec 2018 05:47

Tgt Ion:276 Resp: 627985

Ion Ratio Lower Upper

276 100

138 19.5 15.4 23.2

277 26.6 19.0 28.4

