

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013518.D
 Acq On : 19 Dec 2017 18:16
 Operator : SJ/JU
 Sample : I6778-13MEDL 30X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 03:19:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	138848	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	605869	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	371785	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	871782	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	827619	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	731201	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.86	99	7653	0.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	4677	0.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	6436	0.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.40	113	6237	0.61	ng/ul	0.02
19) Nitrobenzene-d5	8.85	128	3275	0.68	ng/ul	0.02
22) 2-Nitrophenol-d4	9.55	143	3228	0.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	6278	0.59	ng/ul	0.03
29) 4-Chloroaniline-d4	10.56	131	1965	0.20	ng/ul	-0.03
43) Dimethylphthalate-d6	13.73	166	23521	0.71	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	29161	0.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	577	0.10	ng/ul	0.06
57) Fluorene-d10	15.31	176	23377	0.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	264	0.05	ng/ul	0.00
70) Anthracene-d10	17.16	188	38175	0.87	ng/ul	0.00
76) Pyrene-d10	19.46	212	36368	0.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	28856	0.77	ng/ul	0.00

Target Compounds

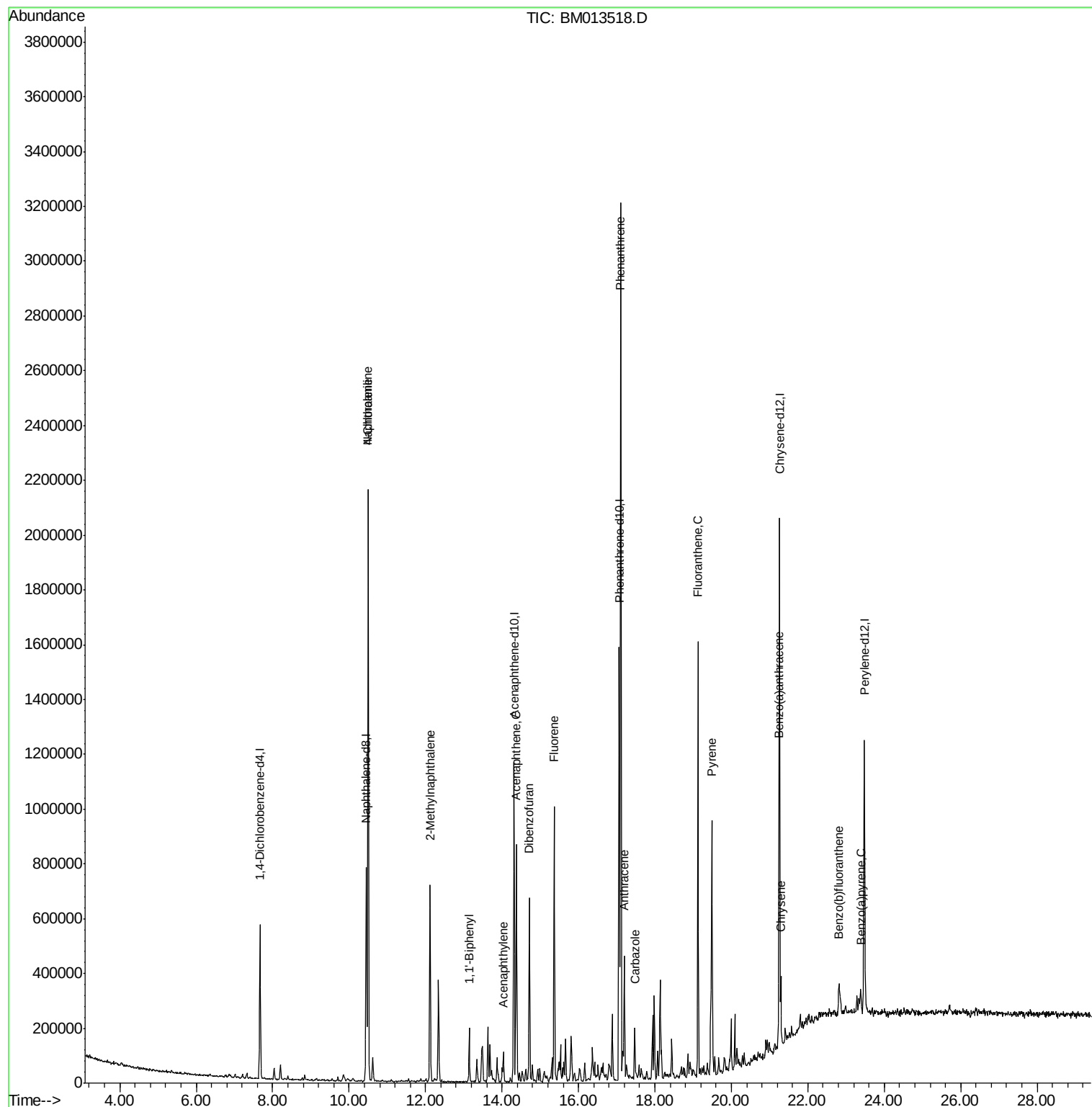
				Ovalue	
28) Naphthalene	10.50	128	1602047	51.395	ng/ul 99
30) 4-Chloroaniline	10.50	127	206616	21.913	ng/ul# 11
34) 2-Methylnaphthalene	12.12	142	326252	13.923	ng/ul 94
40) 1,1'-Biphenyl	13.14	154	90023	2.865	ng/ul 99
47) Acenaphthylene	14.03	152	46634	1.234	ng/ul# 91
49) Acenaphthene	14.37	153	329485	12.802	ng/ul 99
53) Dibenzofuran	14.72	168	369938	9.736	ng/ul 99
58) Fluorene	15.37	166	412200	13.114	ng/ul 95
69) Phenanthrene	17.11	178	1879004	37.939	ng/ul 99
71) Anthracene	17.20	178	273320	5.399	ng/ul 98
72) Carbazole	17.47	167	104763	2.406	ng/ul 96
74) Fluoranthene	19.13	202	907505	14.952	ng/ul# 95
77) Pyrene	19.49	202	607339	12.079	ng/ul# 93
80) Benzo(a)anthracene	21.24	228	162051	3.086	ng/ul 94
82) Chrysene	21.29	228	132835	2.727	ng/ul 93
85) Benzo(b)fluoranthene	22.82	252	96002	1.948	ng/ul# 95
88) Benzo(a)pyrene	23.38	252	63104	1.425	ng/ul# 92

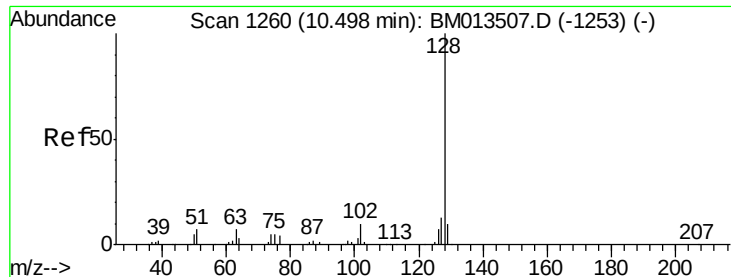
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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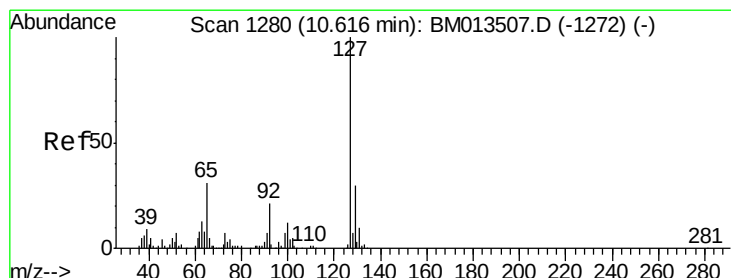
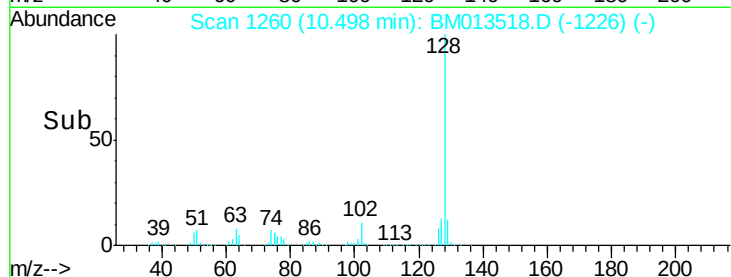
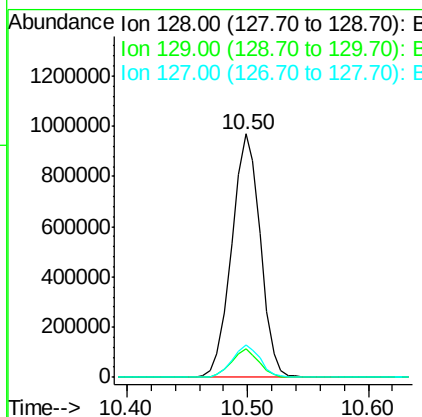
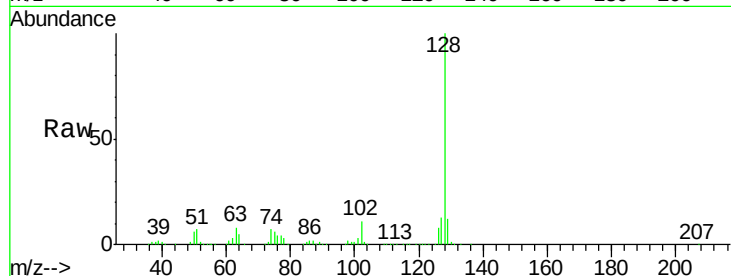




#28
Naphthalene
Concen: 51.395 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM013518.D
Acq: 19 Dec 2017 18:16

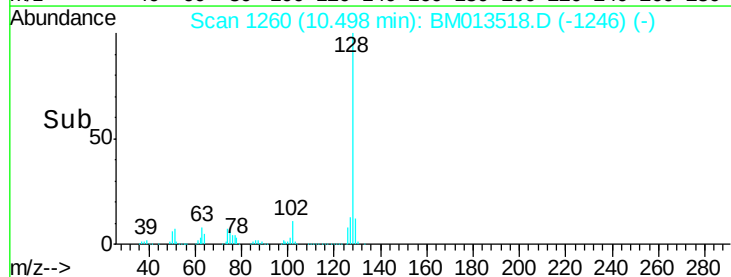
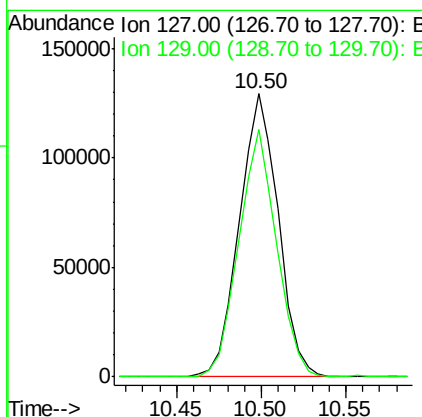
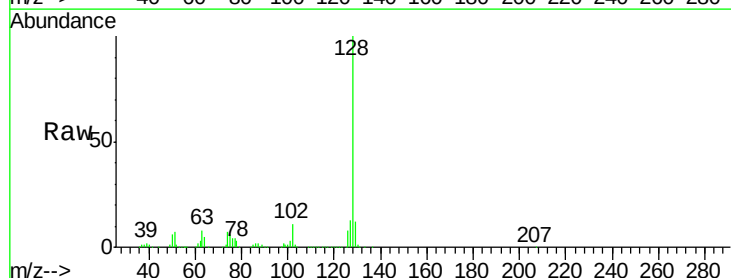
Instrument :
BNA_M
ClientSampleId :

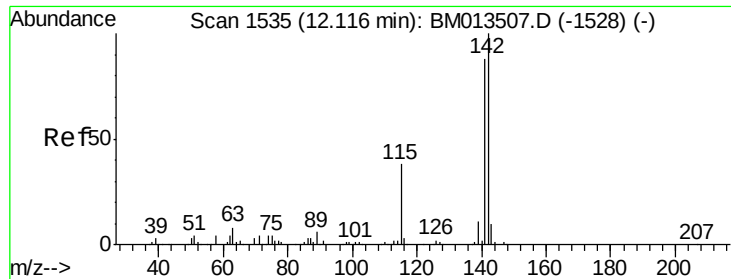
Tot Ion:128 Resp: 1602047
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.3 10.6 16.0



#30
4-Chloroaniline
Concen: 21.913 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013518.D
Acq: 19 Dec 2017 18:16

Tgt Ion:127 Resp: 206616
Ion Ratio Lower Upper
127 100
129 87.5 28.4 42.6#

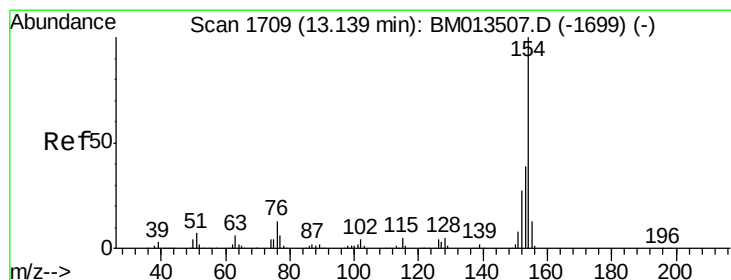
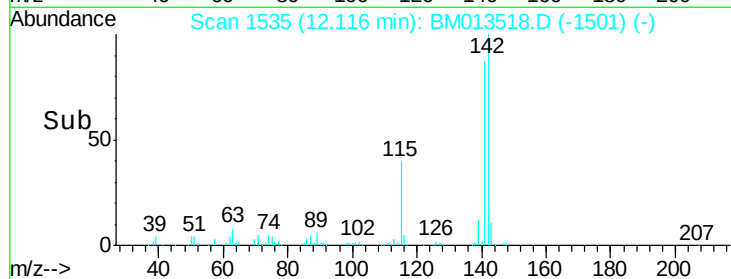
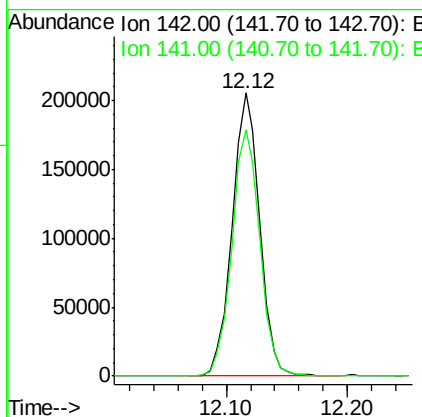
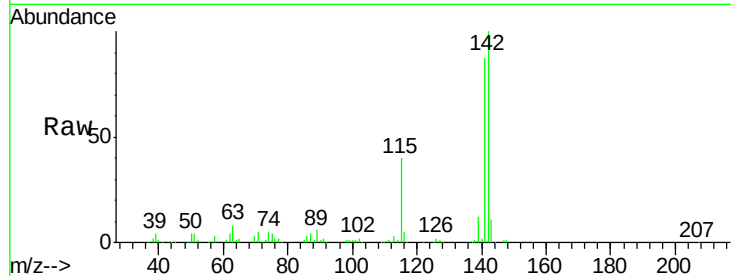




#34
 2-Methylnaphthalene
 Concen: 13.923 ng/ul
 RT: 12.12 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: BM013518.D
 Acq: 19 Dec 2017 18:16

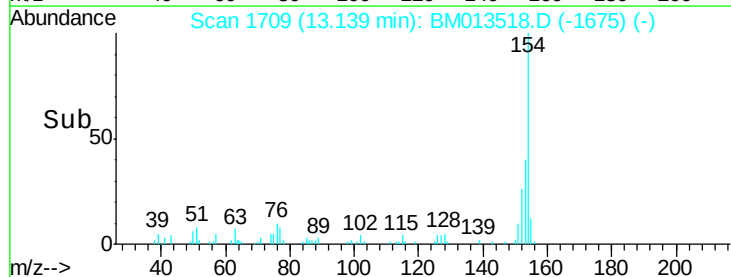
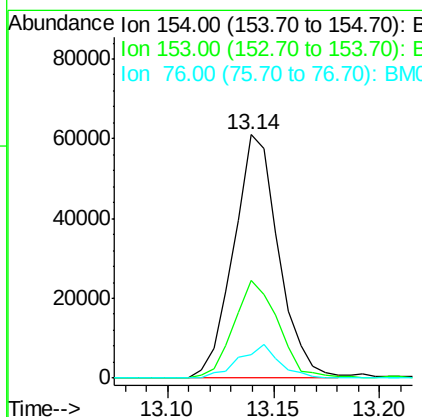
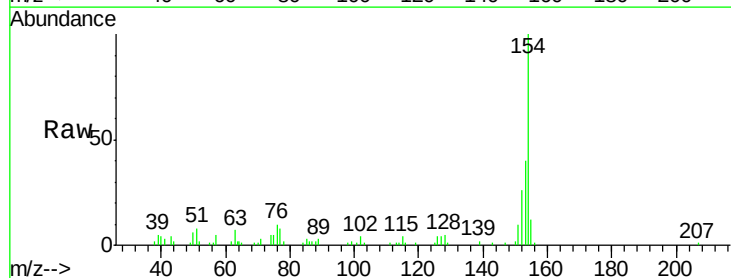
Instrument :
 BNA_M
 ClientSampled :

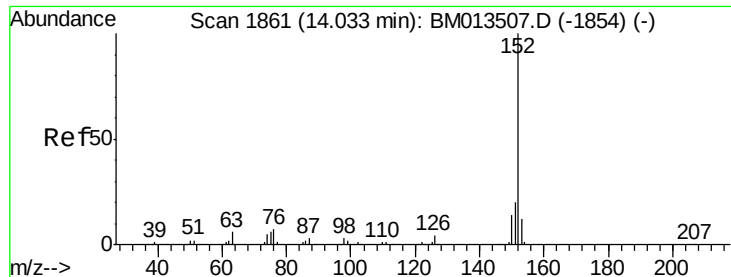
Tot Ion:142 Resp: 326252
 Ion Ratio Lower Upper
 142 100
 141 86.9 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.865 ng/ul
 RT: 13.14 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM013518.D
 Acq: 19 Dec 2017 18:16

Tgt Ion:154 Resp: 90023
 Ion Ratio Lower Upper
 154 100
 153 40.0 32.6 48.8
 76 9.9 8.5 12.7





#47

Acenaphthylene

Concen: 1.234 ng/ul

RT: 14.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

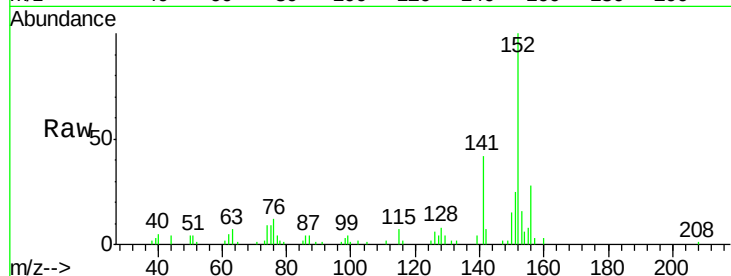
Tot Ion:152 Resp: 46634

Ion Ratio Lower Upper

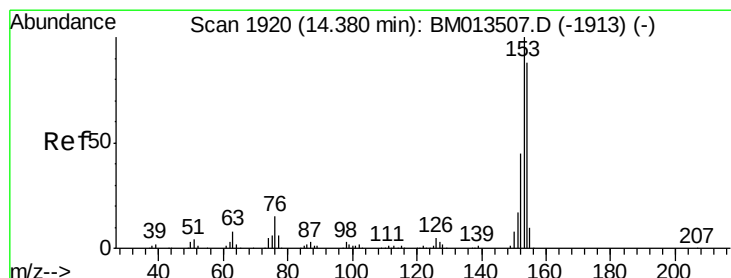
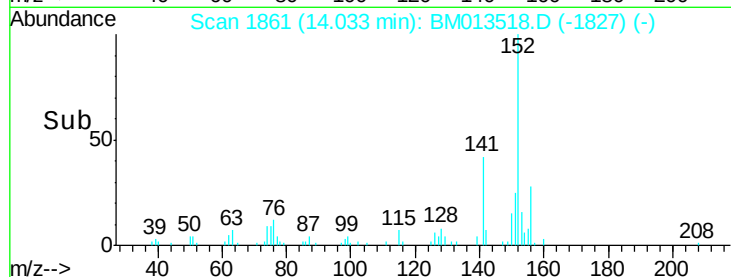
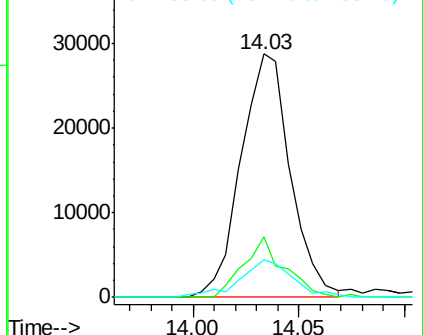
152 100

151 24.7 16.3 24.5#

153 15.7 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: 12.802 ng/ul

RT: 14.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

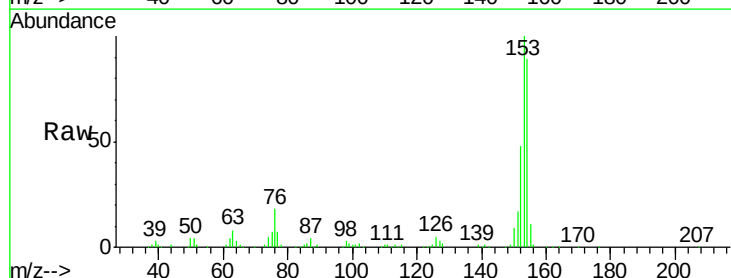
Tgt Ion:153 Resp: 329485

Ion Ratio Lower Upper

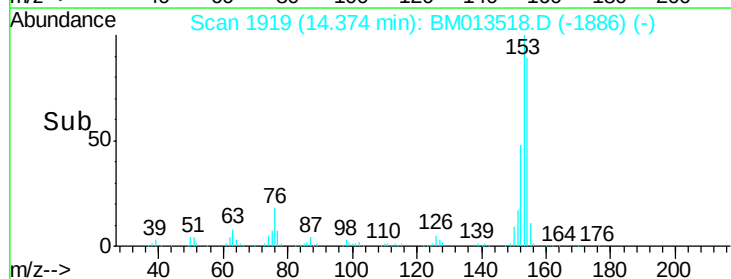
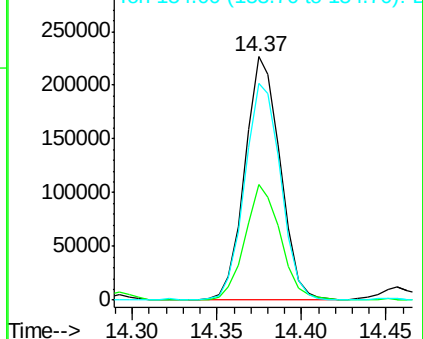
153 100

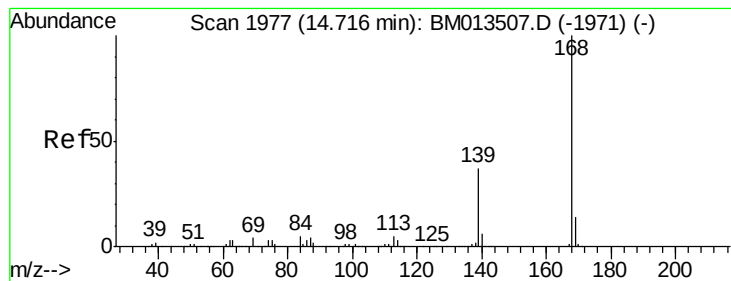
152 47.8 37.6 56.4

154 88.9 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: 9.736 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

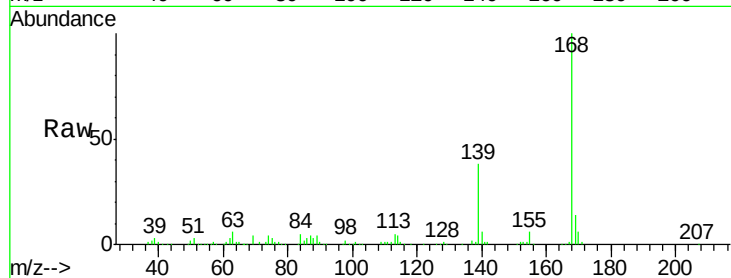
ClientSampled :

Tot Ion:168 Resp: 369938

Ion Ratio Lower Upper

168 100

139 38.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.72

250000

200000

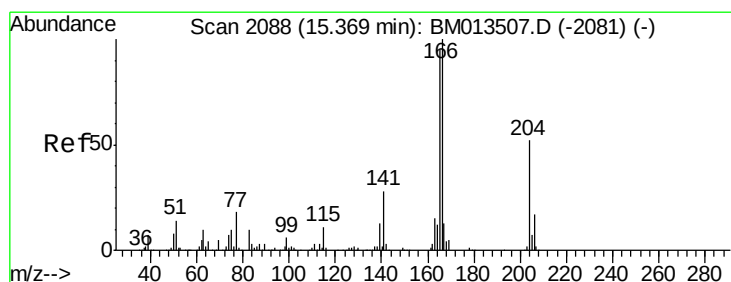
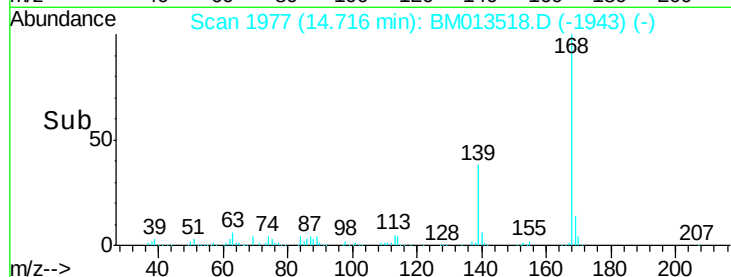
150000

100000

50000

0

Time--> 14.65 14.70 14.75



#58

Fluorene

Concen: 13.114 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

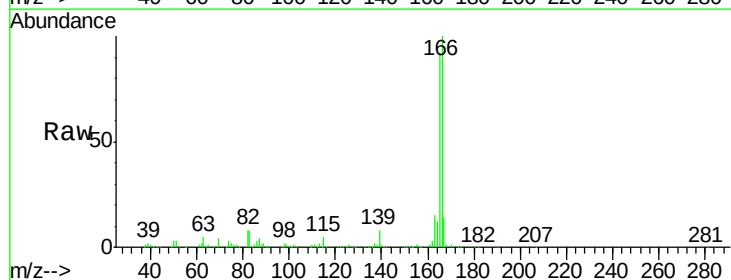
Tgt Ion:166 Resp: 412200

Ion Ratio Lower Upper

166 100

165 91.8 77.9 116.9

167 14.1 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

15.37

400000

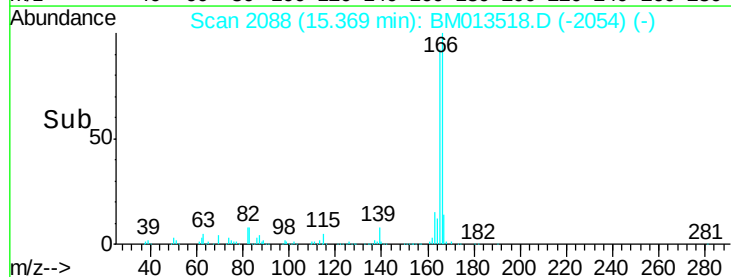
300000

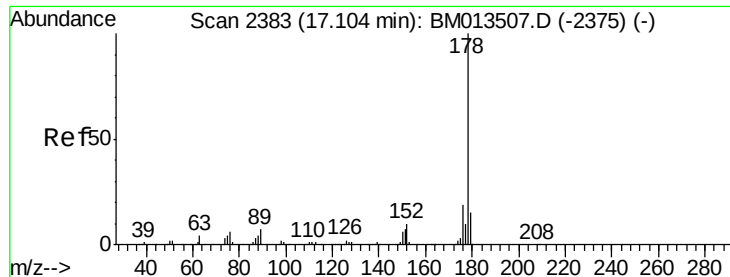
200000

100000

0

Time--> 15.30 15.35 15.40





#69

Phenanthrene

Concen: 37.939 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

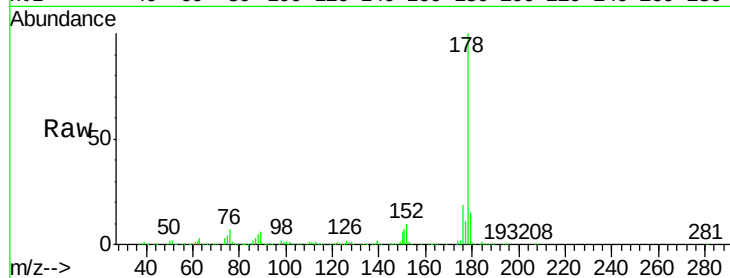
Tot Ion:178 Resp: 1879004

Ion Ratio Lower Upper

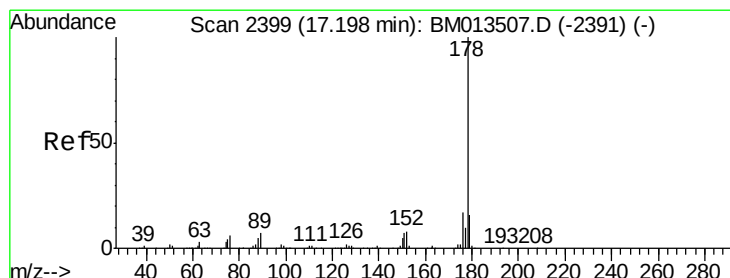
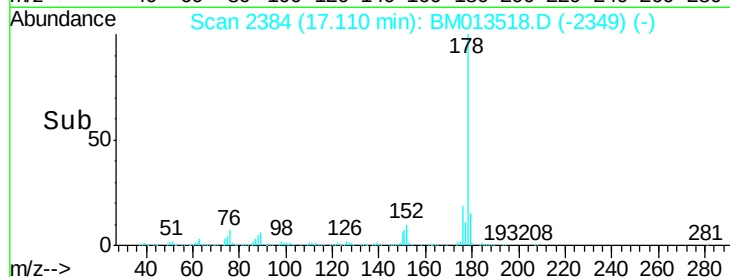
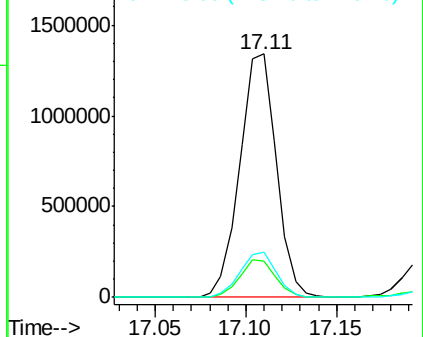
178 100

179 15.0 12.6 19.0

176 18.7 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: 5.399 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

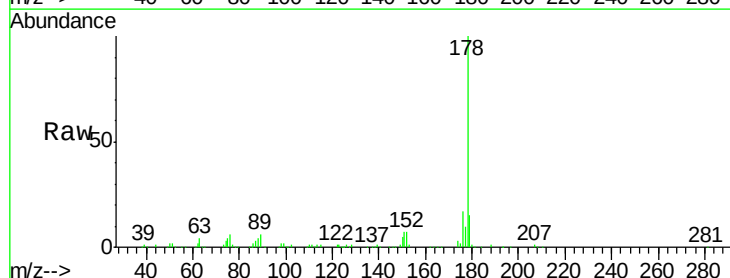
Tgt Ion:178 Resp: 273320

Ion Ratio Lower Upper

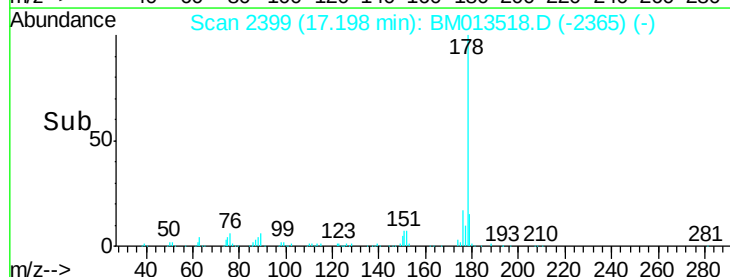
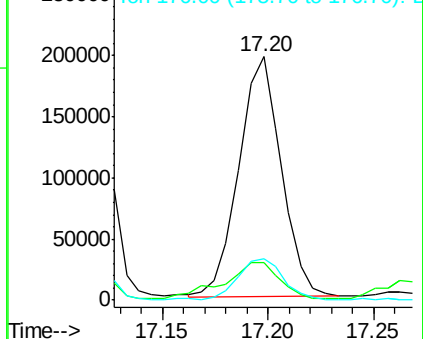
178 100

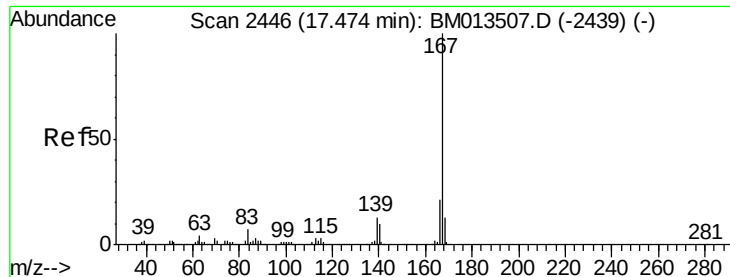
179 15.4 11.7 17.5

176 17.0 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: 2.406 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

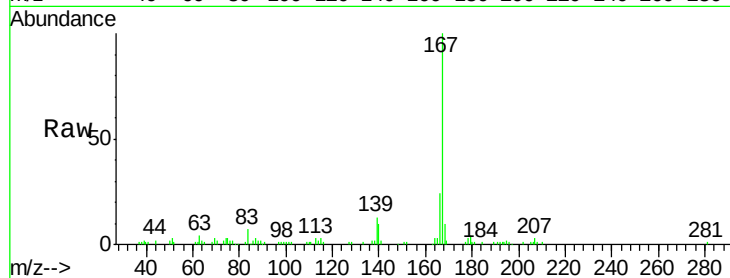
Tot Ion:167 Resp: 104763

Ion Ratio Lower Upper

167 100

166 24.1 17.1 25.7

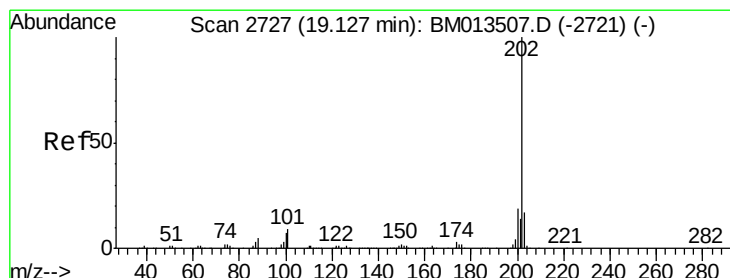
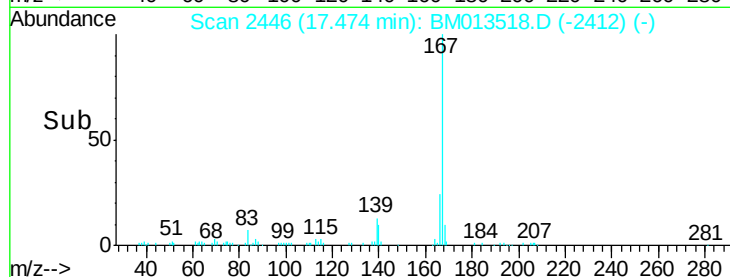
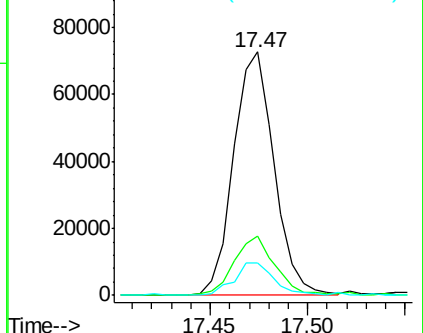
139 13.2 10.0 15.0



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: 14.952 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

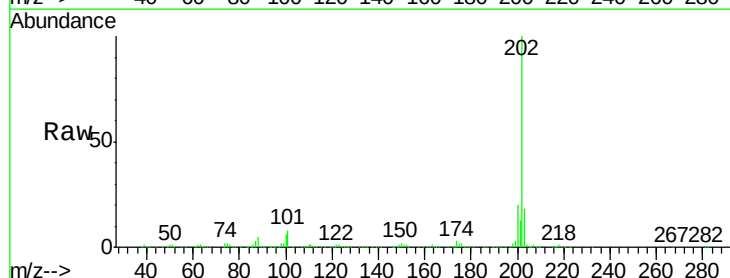
Tgt Ion:202 Resp: 907505

Ion Ratio Lower Upper

202 100

101 7.5 4.6 7.0#

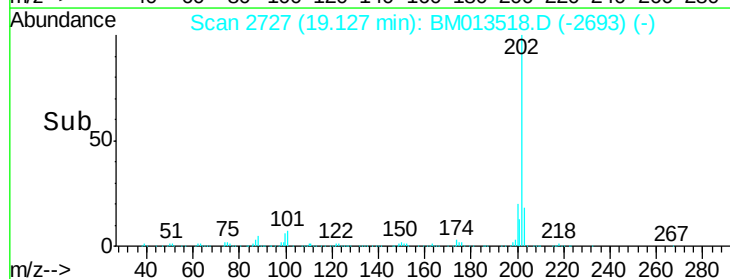
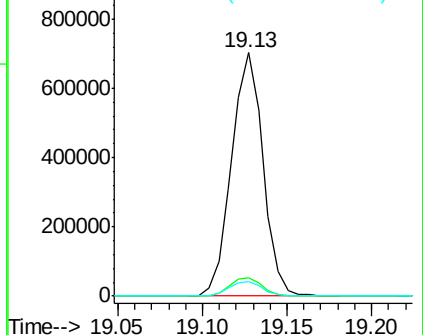
100 5.9 3.4 5.2#

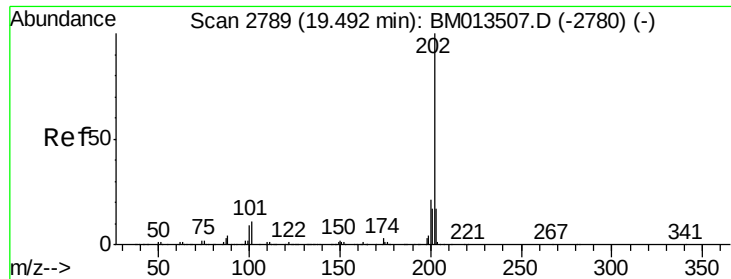


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 12.079 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

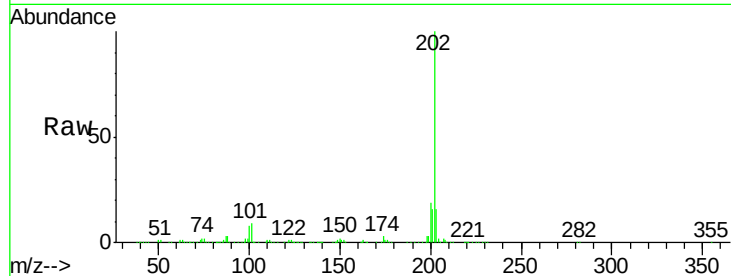
Tot Ion:202 Resp: 607339

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

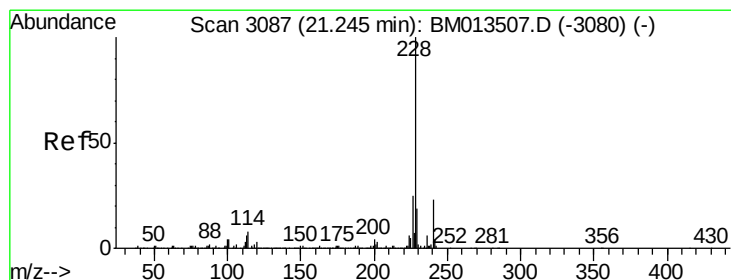
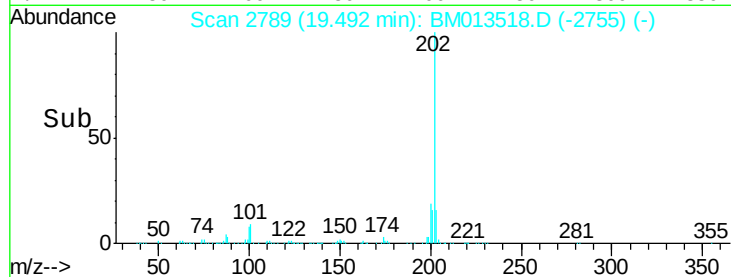
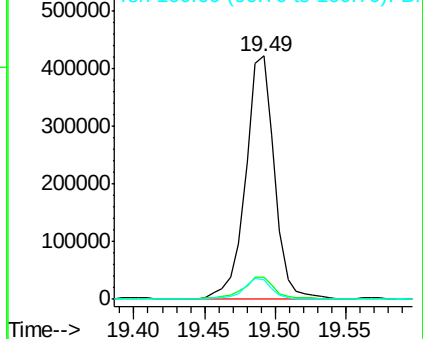
100 8.2 4.9 7.3#



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: 3.086 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

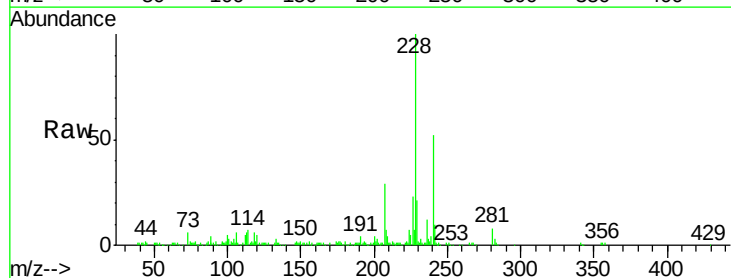
Tgt Ion:228 Resp: 162051

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

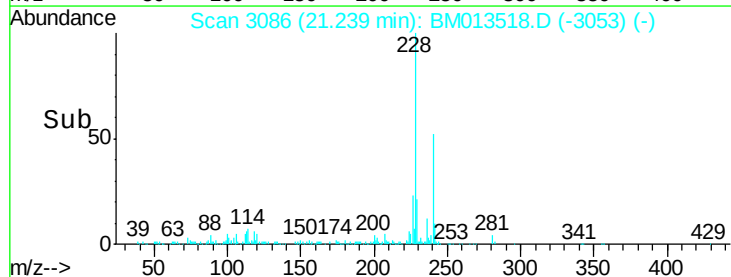
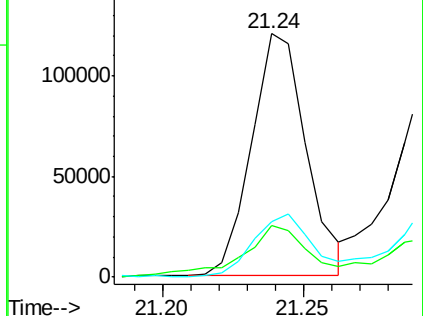
226 23.0 21.4 32.0

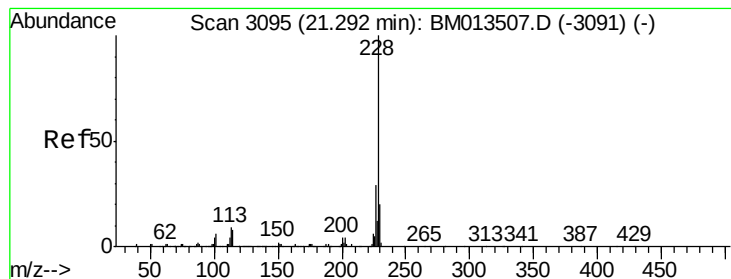


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.727 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

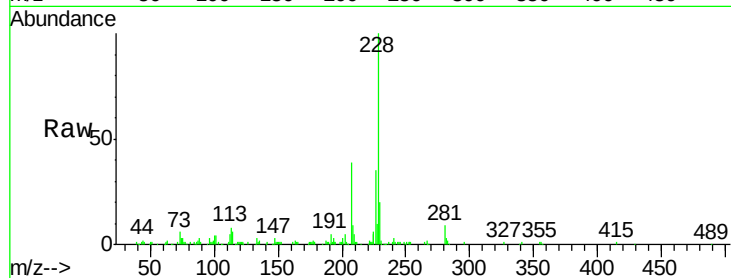
Tot Ion:228 Resp: 132835

Ion Ratio Lower Upper

228 100

226 35.0 23.4 35.2

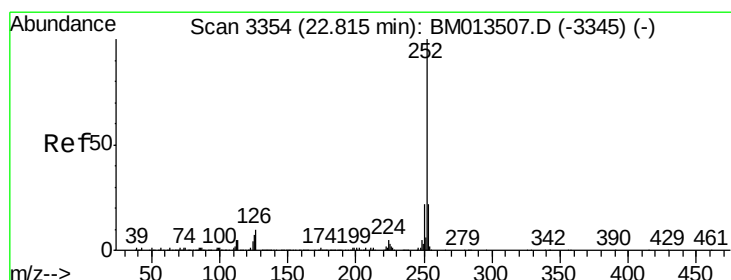
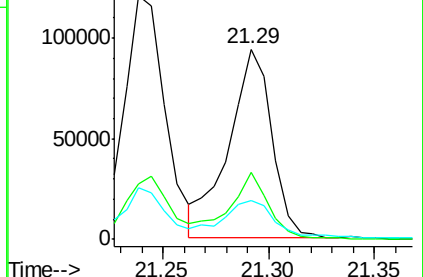
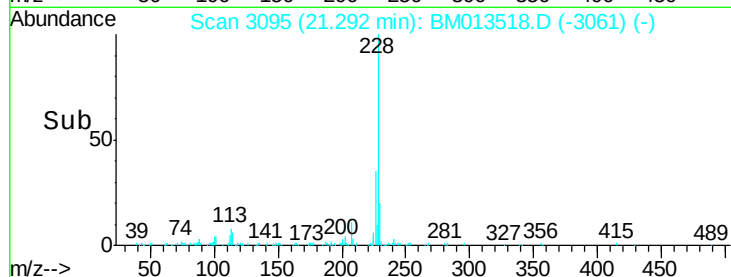
229 20.1 15.5 23.3



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: 1.948 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

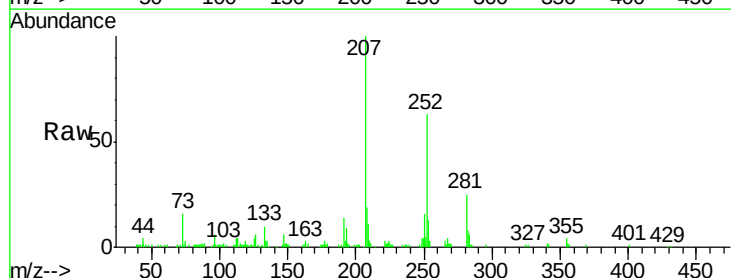
Tgt Ion:252 Resp: 96002

Ion Ratio Lower Upper

252 100

253 20.3 17.9 26.9

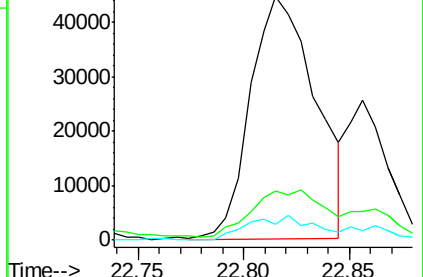
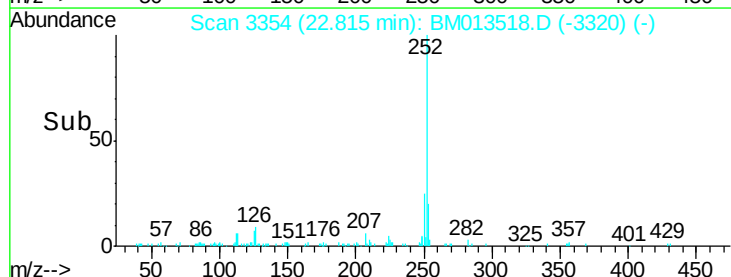
125 6.7 3.6 5.4#

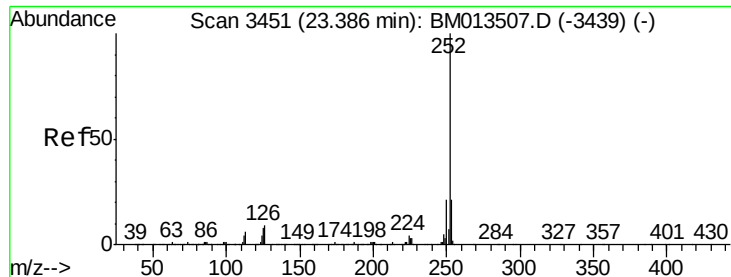


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.425 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM013518.D

Acq: 19 Dec 2017 18:16

Instrument :

BNA_M

ClientSampleId :

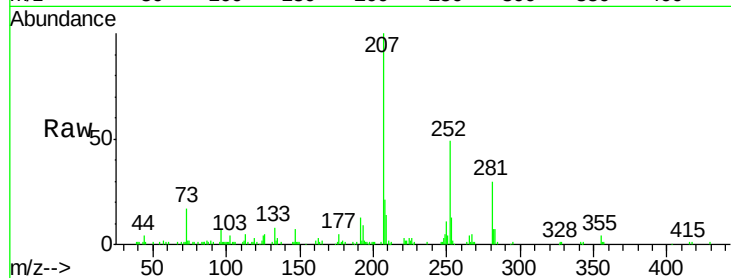
Tot Ion:252 Resp: 63104

Ion Ratio Lower Upper

252 100

253 26.3 18.2 27.2

125 8.5 4.0 6.0#



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

