

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013517.D
 Acq On : 19 Dec 2017 17:40
 Operator : SJ/JU
 Sample : I6776-06MEDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 03:18:40 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	139773	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	605717	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	360002	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	851323	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	787131	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	696553	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1725	0.61	ng/uL	0.00
5) Phenol-d5	6.86	99	38899	3.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	26026	3.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	34248	3.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	35233	3.41	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	19313	4.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	18057	3.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	34039	3.21	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	39753	4.08	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	129922	4.06	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	153134	3.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	5223	0.94	ng/ul	0.04
57) Fluorene-d10	15.31	176	116340	4.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	3161	0.59	ng/ul	0.00
70) Anthracene-d10	17.16	188	174685	4.10	ng/ul	0.00
76) Pyrene-d10	19.46	212	181812	4.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	132559	3.74	ng/ul	0.00

Target Compounds

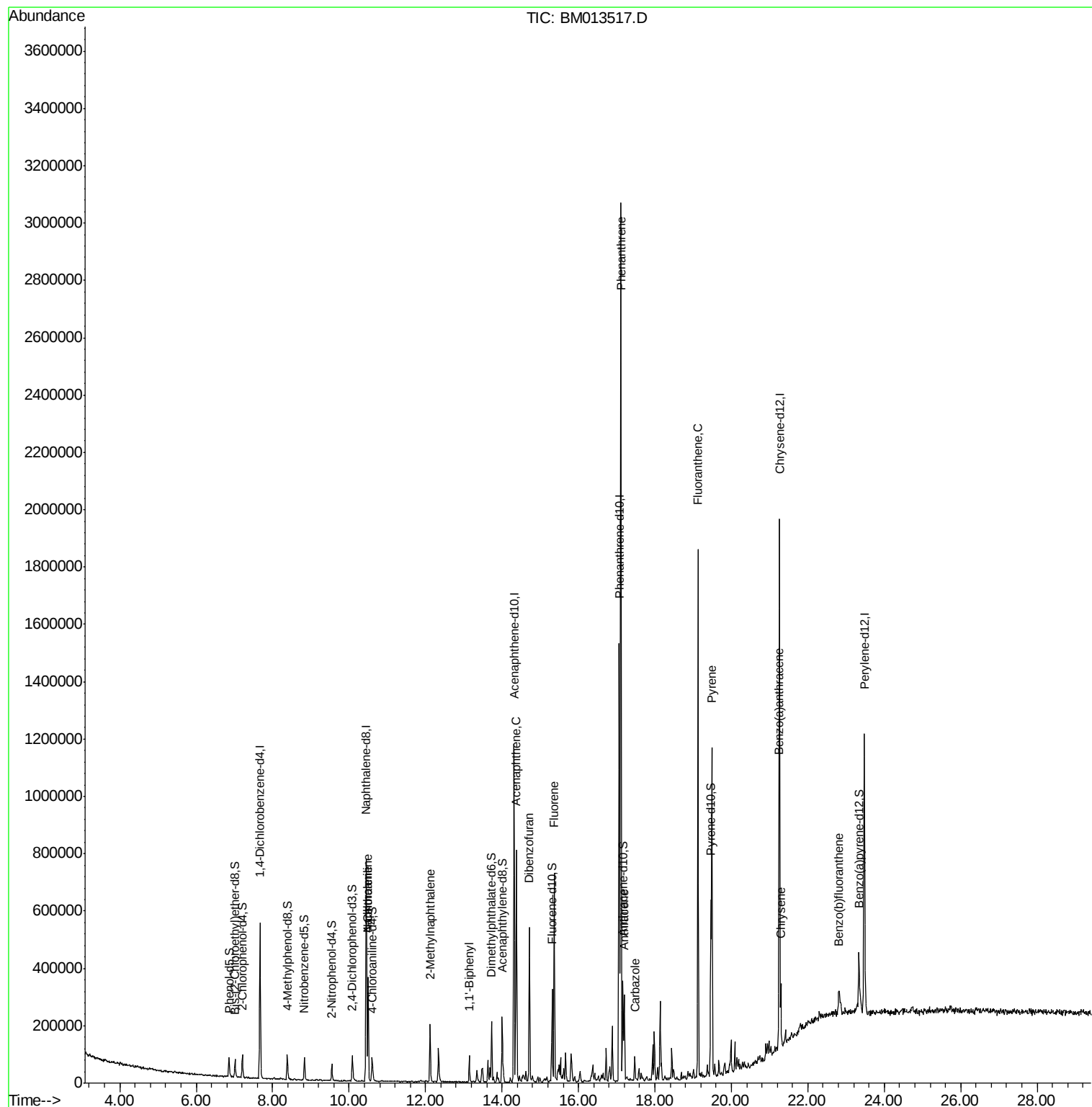
					Ovalue	
28) Naphthalene	10.50	128	276504	8.873	ng/ul	99
30) 4-Chloroaniline	10.50	127	36353	3.856	ng/ul#	24
34) 2-Methylnaphthalene	12.12	142	87171	3.721	ng/ul	93
40) 1,1'-Biphenyl	13.15	154	45845	1.507	ng/ul	91
49) Acenaphthene	14.38	153	320099	12.844	ng/ul	98
53) Dibenzofuran	14.72	168	313704	8.527	ng/ul	94
58) Fluorene	15.37	166	293248	9.635	ng/ul	99
69) Phenanthrene	17.11	178	1793596	37.084	ng/ul	99
71) Anthracene	17.20	178	187170	3.786	ng/ul	99
72) Carbazole	17.47	167	47446	1.116	ng/ul	97
74) Fluoranthene	19.13	202	1084437	18.296	ng/ul#	92
77) Pyrene	19.49	202	700577	14.650	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	139350	2.790	ng/ul	98
82) Chrysene	21.29	228	111854	2.414	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	63132	1.345	ng/ul#	93

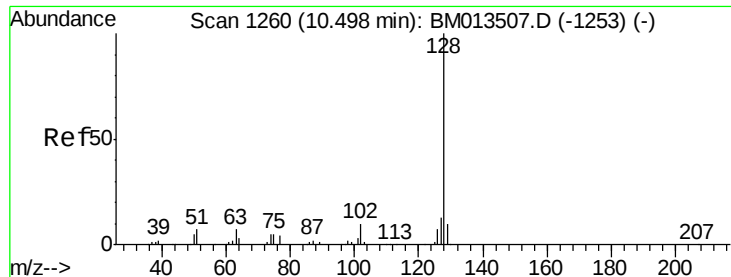
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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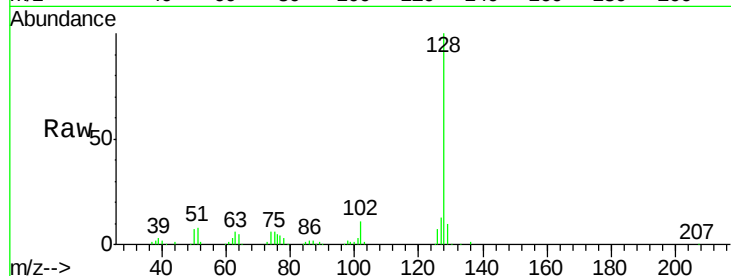




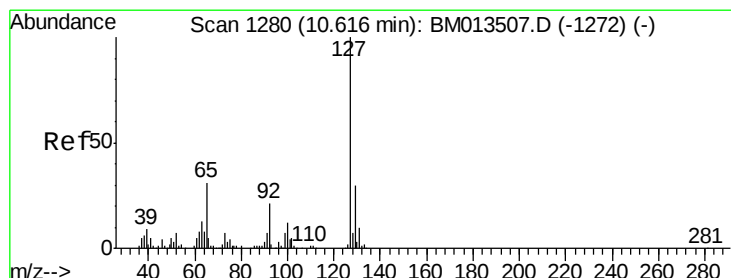
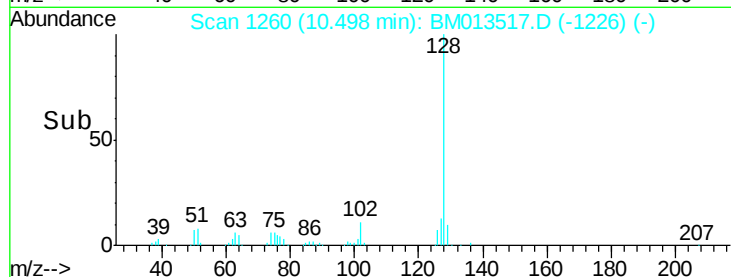
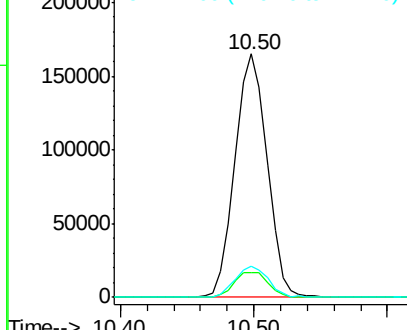
#28
Naphthalene
Concen: 8.873 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 276504
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.9 10.6 16.0

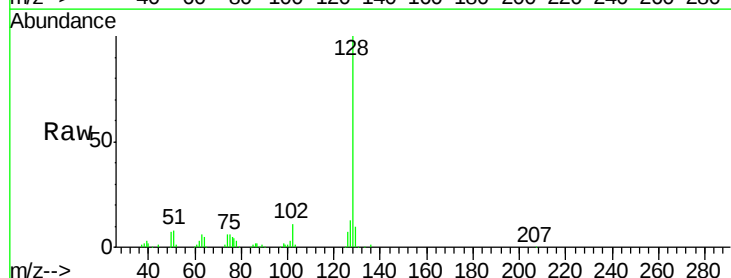


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

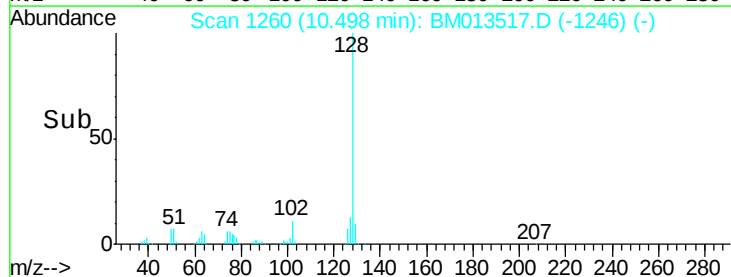
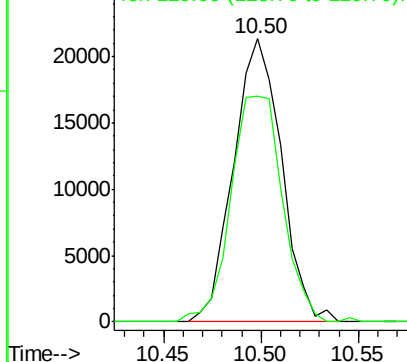


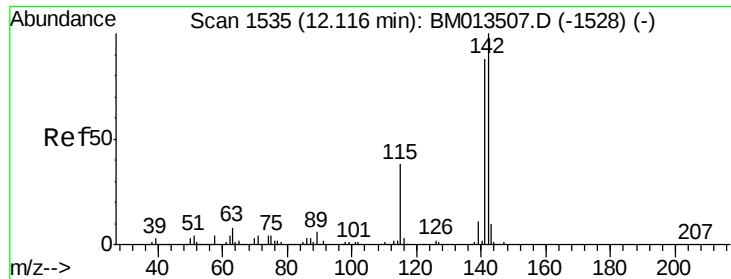
#30
4-Chloroaniline
Concen: 3.856 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013517.D
Acq: 19 Dec 2017 17:40

Tgt Ion:127 Resp: 36353
Ion Ratio Lower Upper
127 100
129 79.9 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

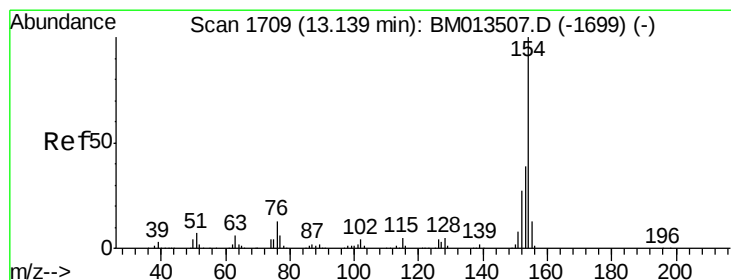
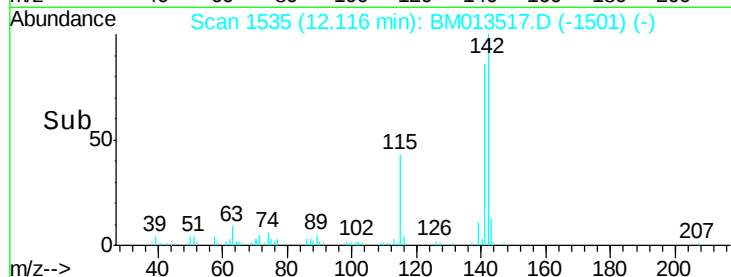
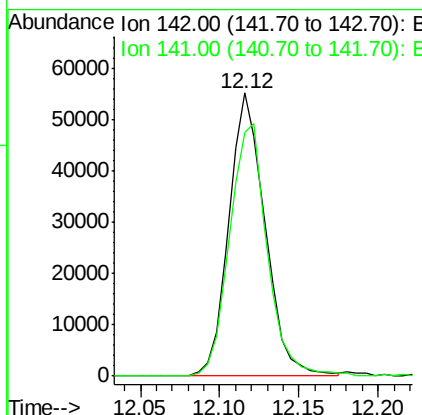
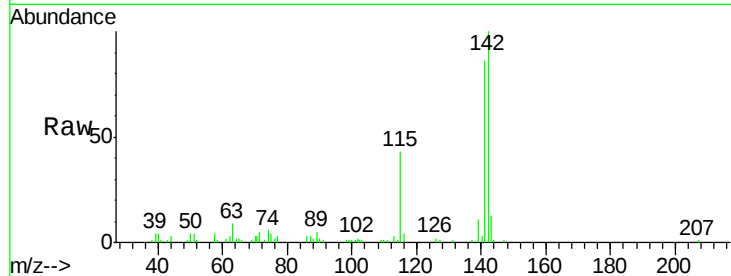




#34
 2-Methylnaphthalene
 Concen: 3.721 ng/ul
 RT: 12.12 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

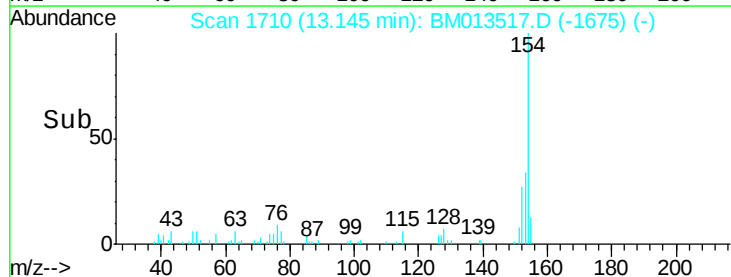
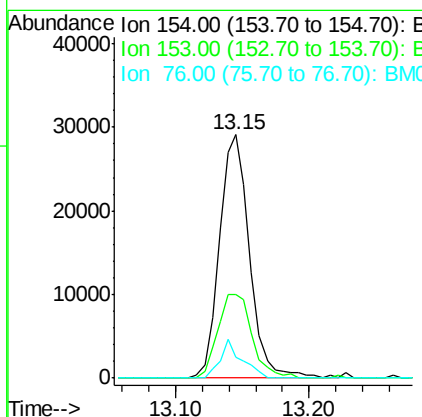
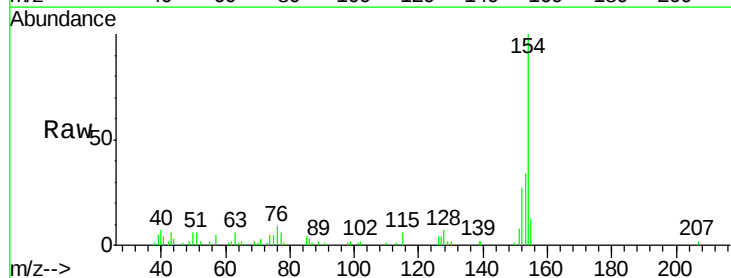
Instrument :
 BNA_M
 ClientSampleId :

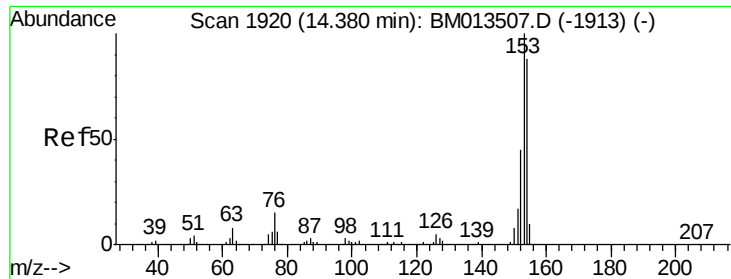
Tot Ion:142 Resp: 87171
 Ion Ratio Lower Upper
 142 100
 141 86.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.507 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

Tgt Ion:154 Resp: 45845
 Ion Ratio Lower Upper
 154 100
 153 34.3 32.6 48.8
 76 8.5 8.5 12.7





#49

Acenaphthene

Concen: 12.844 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampleId :

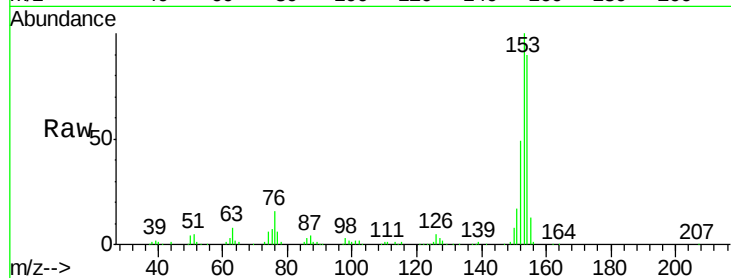
Tot Ion:153 Resp: 320099

Ion Ratio Lower Upper

153 100

152 48.8 37.6 56.4

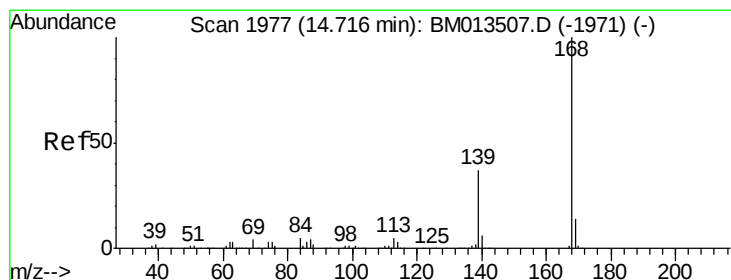
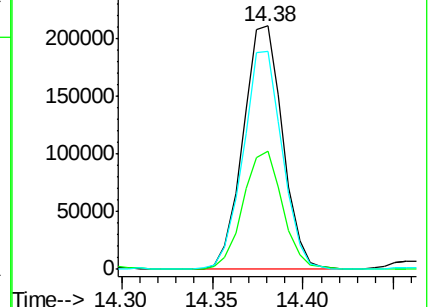
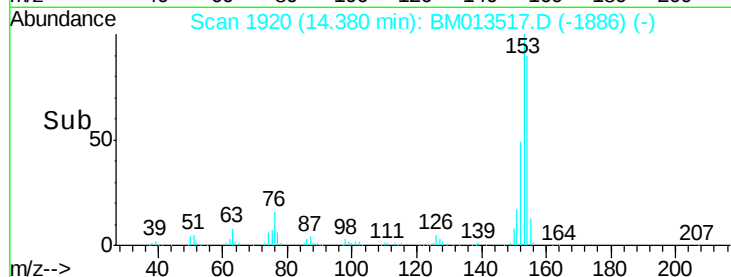
154 89.7 70.4 105.6



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: 8.527 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM013517.D

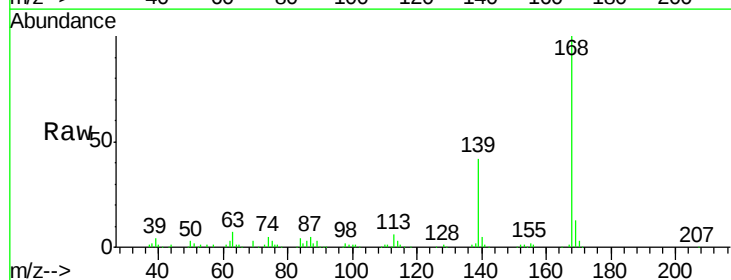
Acq: 19 Dec 2017 17:40

Tgt Ion:168 Resp: 313704

Ion Ratio Lower Upper

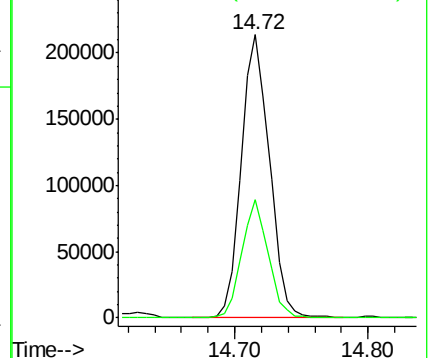
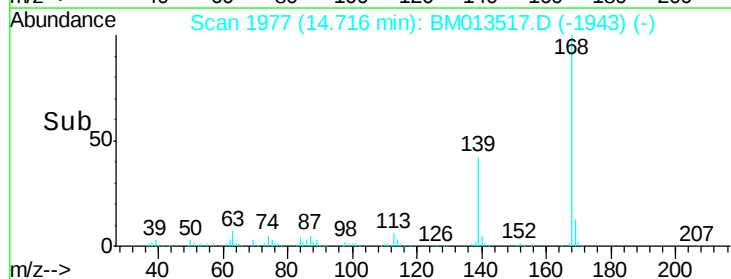
168 100

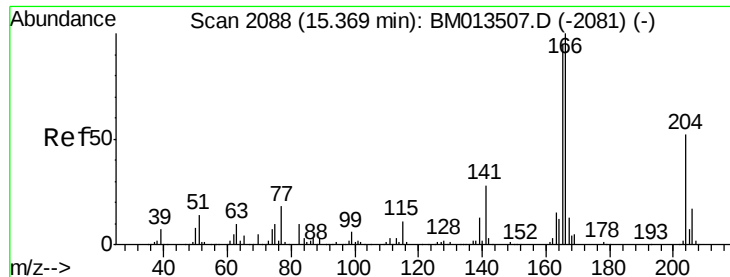
139 41.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.635 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampled :

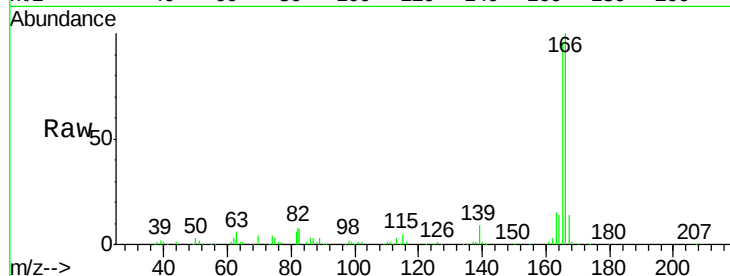
Tot Ion:166 Resp: 293248

Ion Ratio Lower Upper

166 100

165 96.1 77.9 116.9

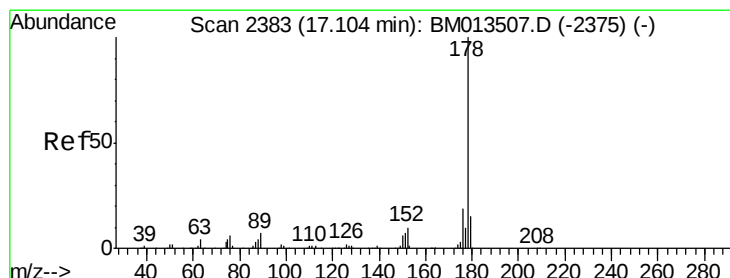
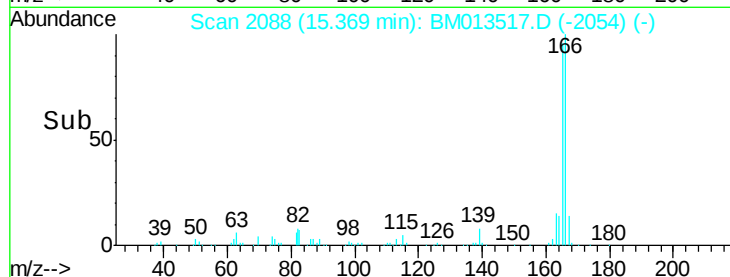
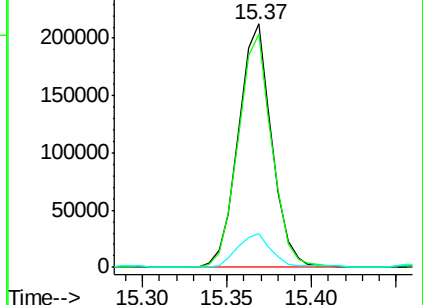
167 14.0 10.6 16.0



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: 37.084 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

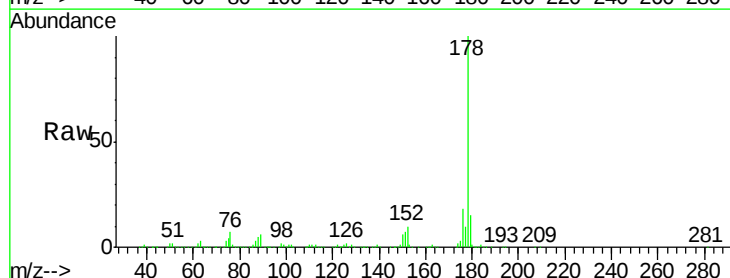
Tgt Ion:178 Resp: 1793596

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

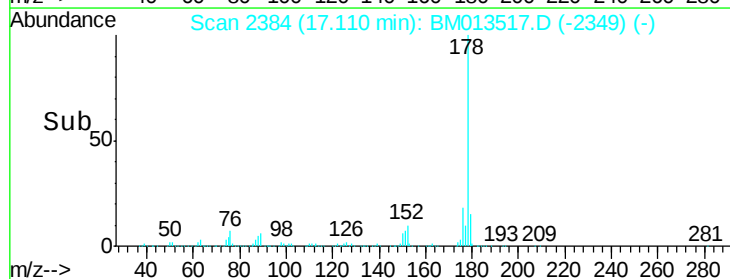
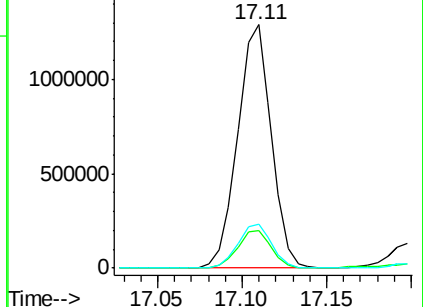
176 17.8 14.9 22.3

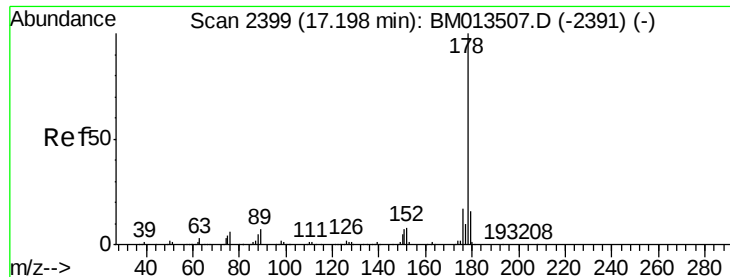


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

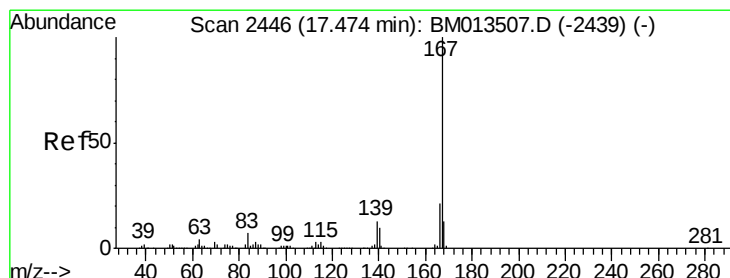
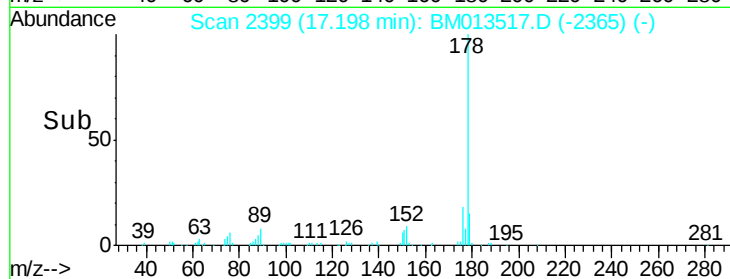
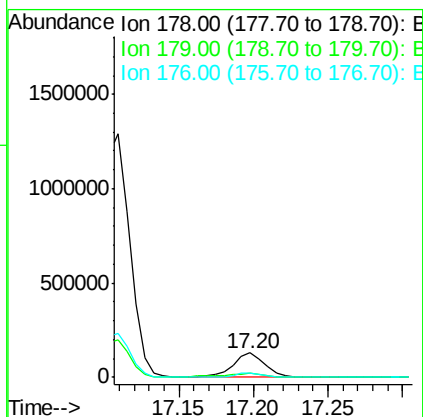
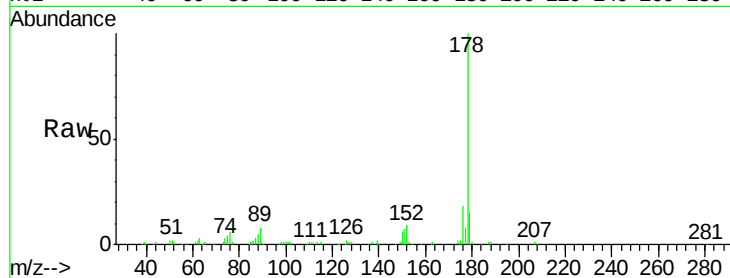




#71
 Anthracene
 Concen: 3.786 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

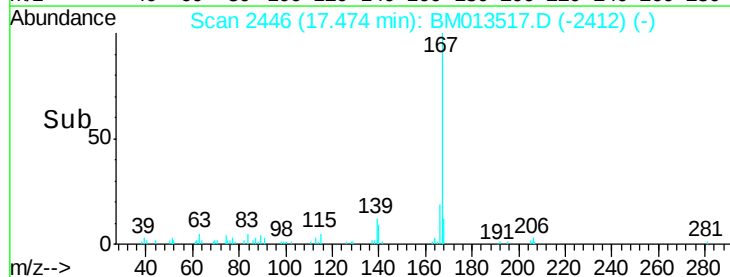
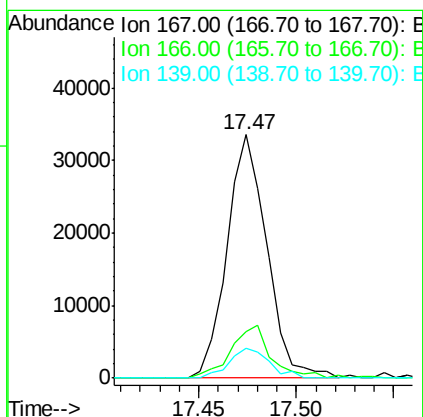
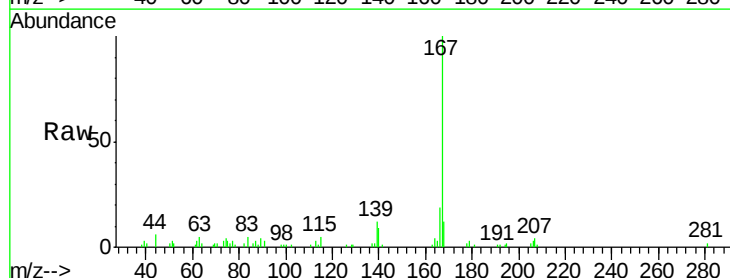
Instrument :
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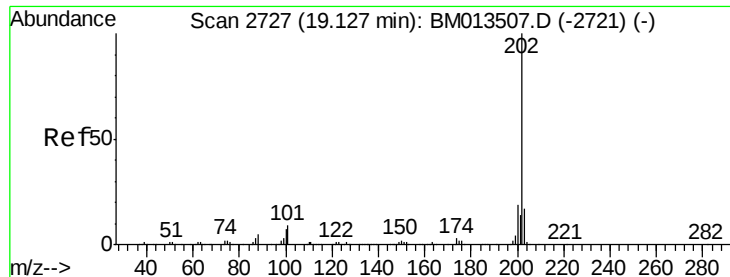
Tot Ion:178 Resp: 187170
 Ion Ratio Lower Upper
 178 100
 179 15.4 11.7 17.5
 176 18.2 14.6 21.8



#72
 Carbazole
 Concen: 1.116 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013517.D
 Acq: 19 Dec 2017 17:40

Tgt Ion:167 Resp: 47446
 Ion Ratio Lower Upper
 167 100
 166 19.3 17.1 25.7
 139 12.0 10.0 15.0





#74

Fluoranthene

Concen: 18.296 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampleId :

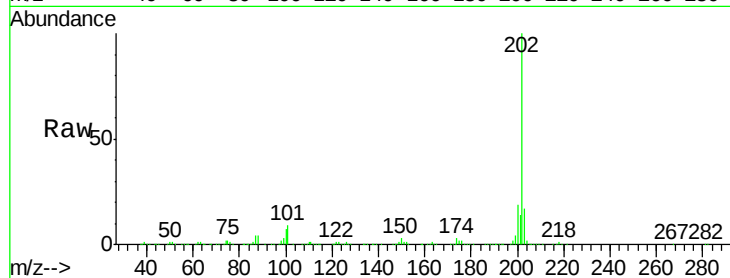
Tot Ion:202 Resp: 1084437

Ion Ratio Lower Upper

202 100

101 8.6 4.6 7.0#

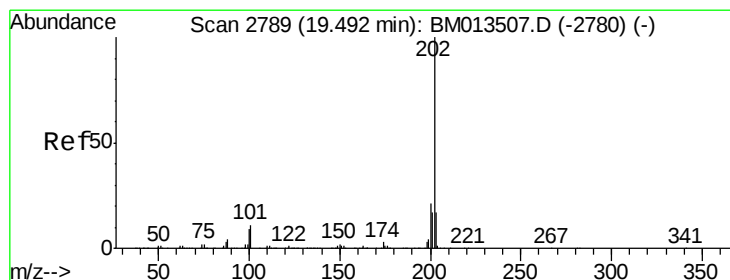
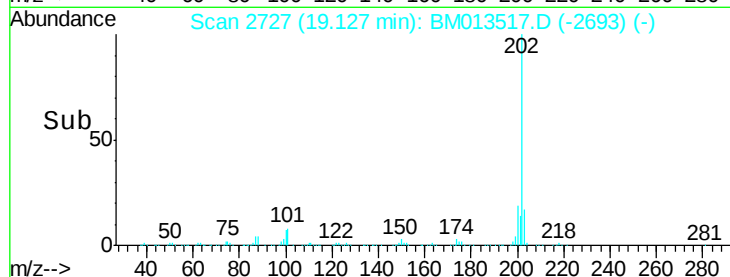
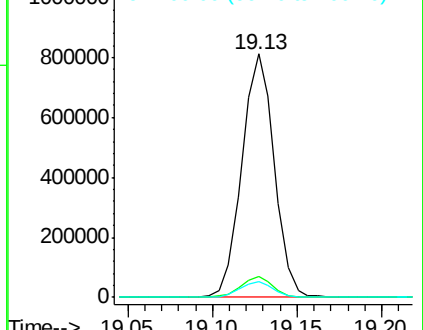
100 6.7 3.4 5.2#



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: 14.650 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

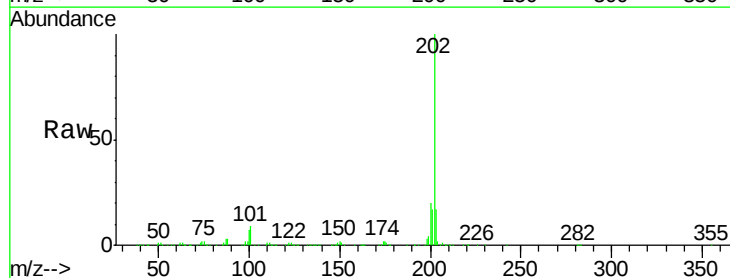
Tgt Ion:202 Resp: 700577

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

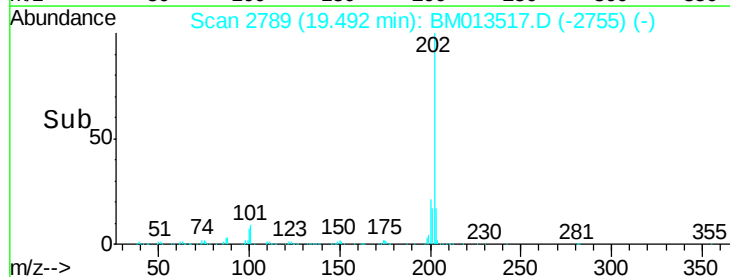
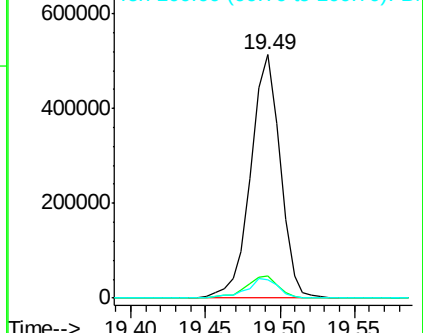
100 7.3 4.9 7.3

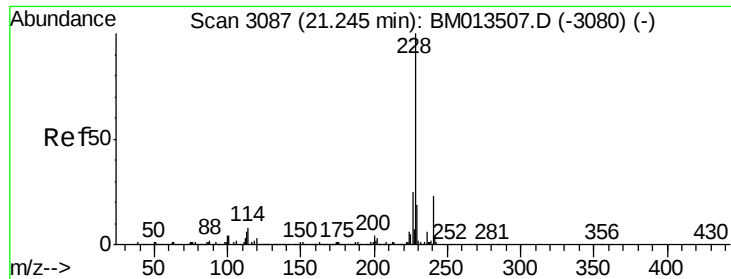


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.790 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampled :

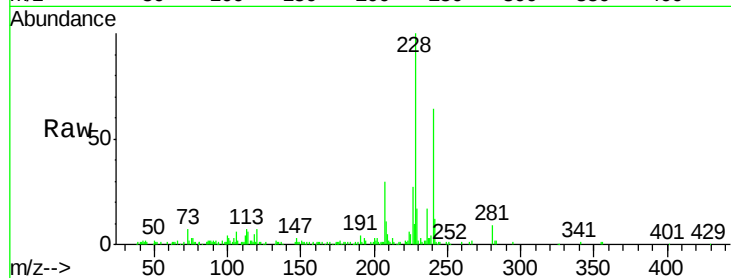
Tot Ion:228 Resp: 139350

Ion Ratio Lower Upper

228 100

229 17.2 15.4 23.0

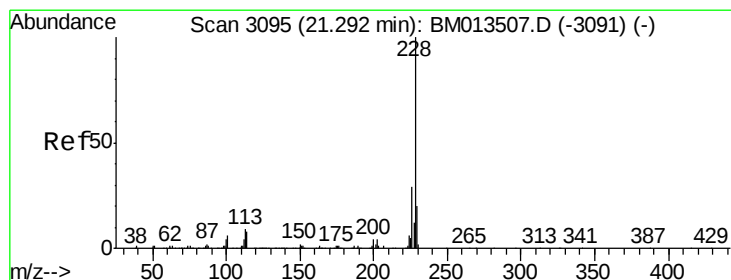
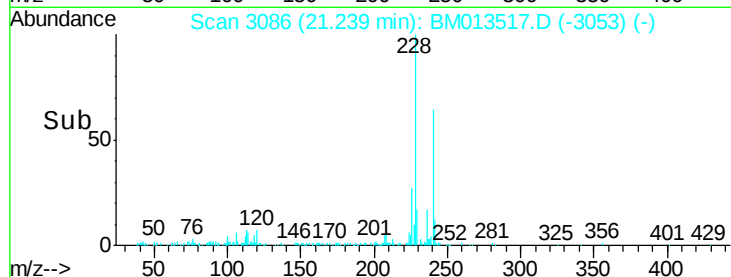
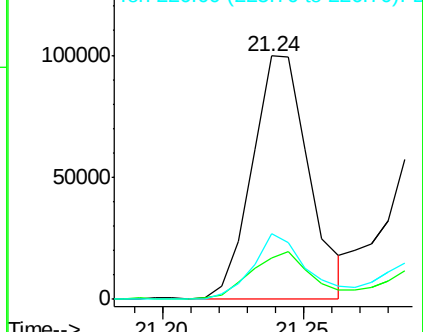
226 27.0 21.4 32.0



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: 2.414 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

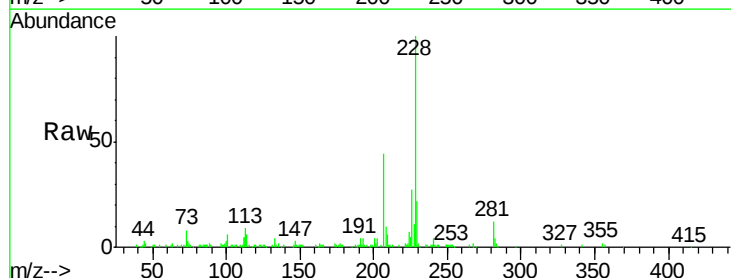
Tgt Ion:228 Resp: 111854

Ion Ratio Lower Upper

228 100

226 27.0 23.4 35.2

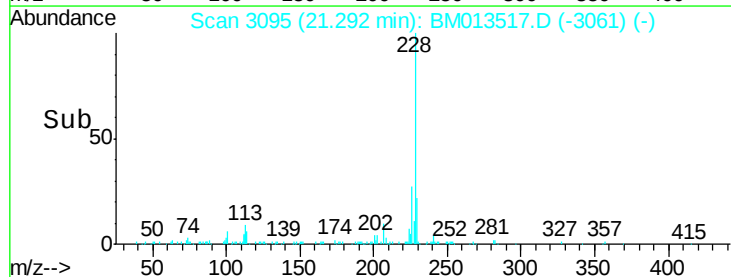
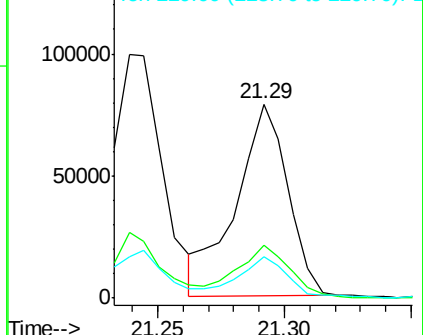
229 21.5 15.5 23.3

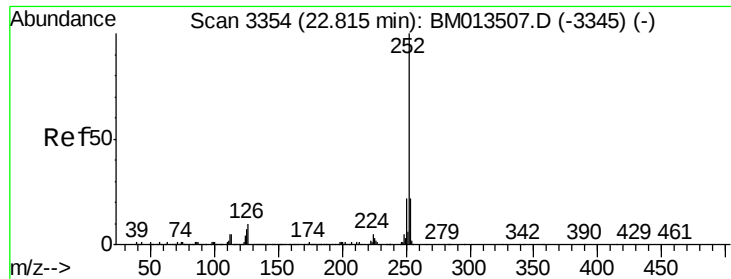


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.345 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013517.D

Acq: 19 Dec 2017 17:40

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 63132

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

125 9.7 3.6 5.4#

