

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013515.D
 Acq On : 19 Dec 2017 16:29
 Operator : SJ/JU
 Sample : I6778-14MEDL 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 03:17:44 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	160260	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	704534	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	416777	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	910401	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	803837	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	713093	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	477	0.15	ng/uL	0.00
5) Phenol-d5	6.86	99	4778	0.34	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.02	67	3269	0.41	ng/ul	0.01
9) 2-Chlorophenol-d4	7.21	132	3185	0.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	478	0.04	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	110	0.02	ng/ul	0.05
22) 2-Nitrophenol-d4	9.56	143	1770	0.30	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.11	165	1890	0.15	ng/ul	0.04
29) 4-Chloroaniline-d4	10.62	131	4286	0.38	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	15576	0.42	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	18640	0.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	149	0.02	ng/ul	0.05
57) Fluorene-d10	15.32	176	16822	0.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.16	188	25881	0.57	ng/ul	0.00
76) Pyrene-d10	19.46	212	22546	0.56	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	17070	0.47	ng/ul	0.00

Target Compounds

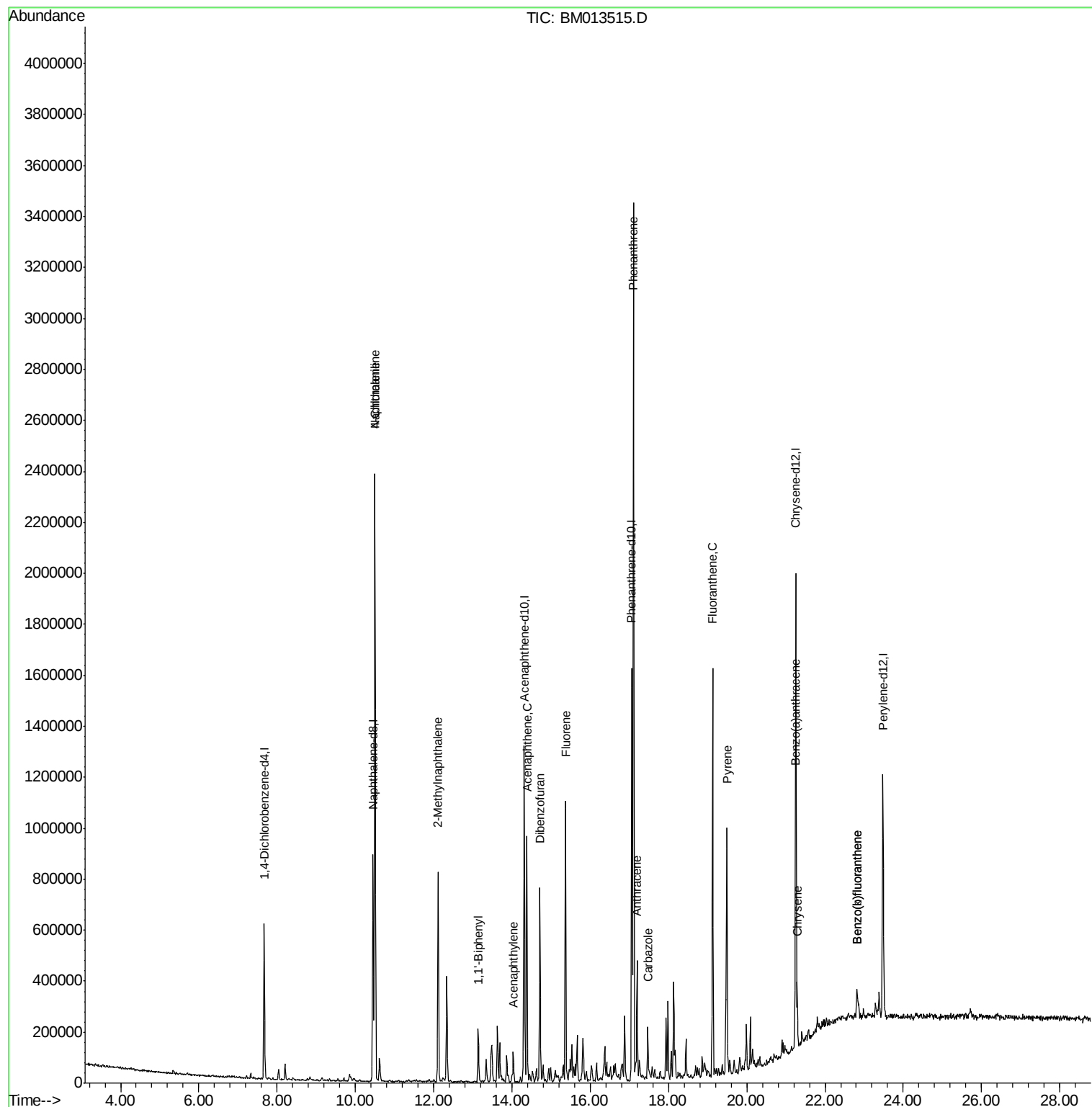
					Ovalue	
28) Naphthalene	10.50	128	1828191	50.436	ng/ul	99
30) 4-Chloroaniline	10.50	127	236579	21.577	ng/ul#	17
34) 2-Methylnaphthalene	12.12	142	368141	13.511	ng/ul	96
40) 1,1'-Biphenyl	13.14	154	103478	2.938	ng/ul#	97
47) Acenaphthylene	14.03	152	43784	1.034	ng/ul#	90
49) Acenaphthene	14.38	153	380358	13.183	ng/ul	98
53) Dibenzofuran	14.72	168	413653	9.712	ng/ul	98
58) Fluorene	15.37	166	462574	13.128	ng/ul	96
69) Phenanthrene	17.11	178	2032222	39.292	ng/ul	98
71) Anthracene	17.20	178	281522	5.325	ng/ul	99
72) Carbazole	17.47	167	111275	2.447	ng/ul	96
74) Fluoranthene	19.13	202	921807	14.543	ng/ul#	94
77) Pyrene	19.49	202	600137	12.289	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	157373	3.086	ng/ul	97
82) Chrysene	21.29	228	135232	2.858	ng/ul	96
85) Benzo(b)fluoranthene	22.81	252	105162	2.188	ng/ul#	94
86) Benzo(k)fluoranthene	22.81	252	105162	2.325	ng/ul#	92

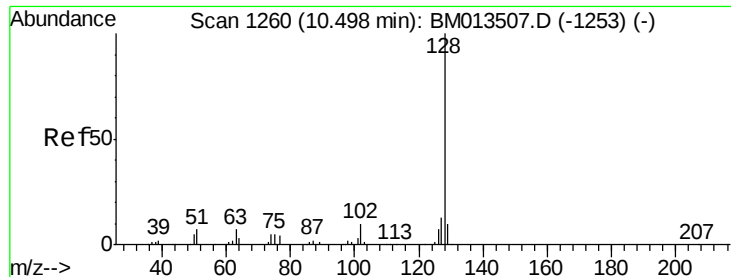
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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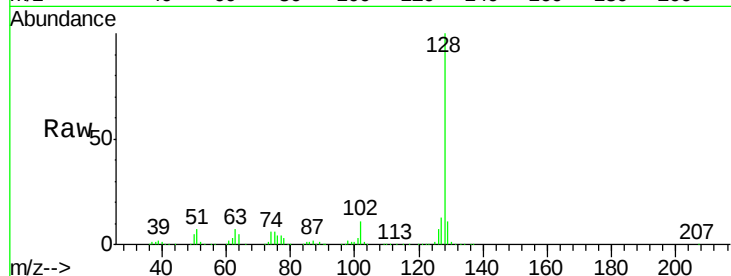




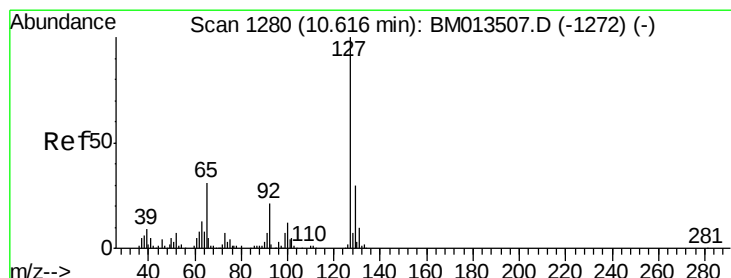
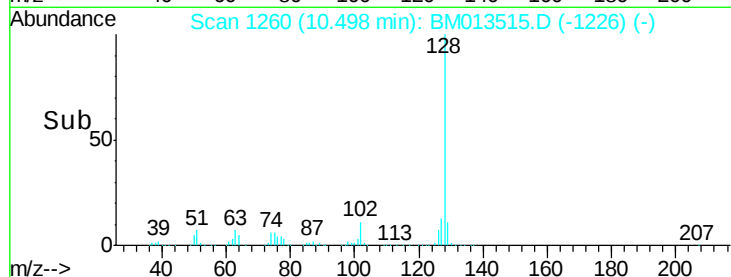
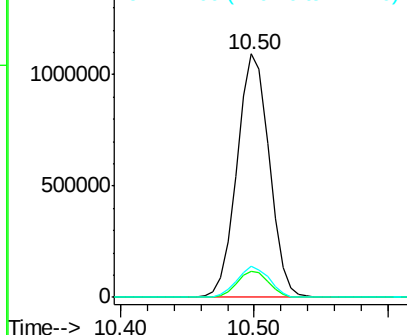
#28
Naphthalene
Concen: 50.436 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Instrument :
BNA_M
ClientSampled :

Tot Ion:128 Resp: 1828191
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.6 16.0

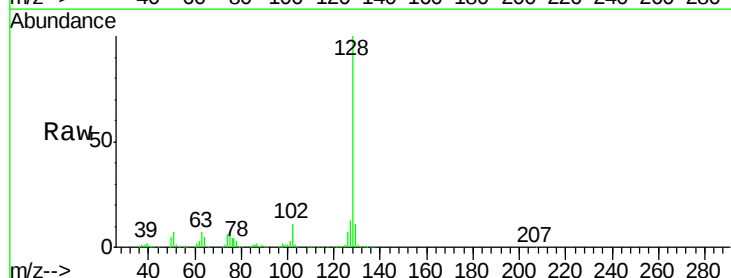


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

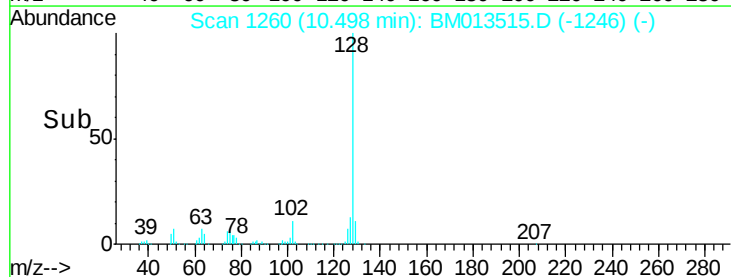
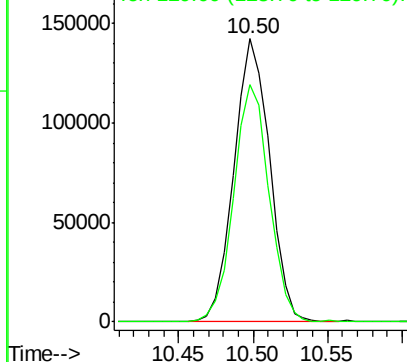


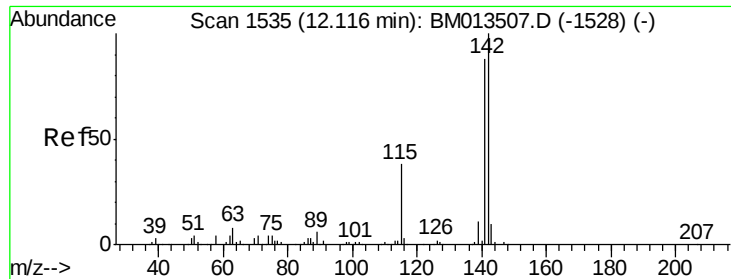
#30
4-Chloroaniline
Concen: 21.577 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Tgt Ion:127 Resp: 236579
Ion Ratio Lower Upper
127 100
129 83.8 28.4 42.6#



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

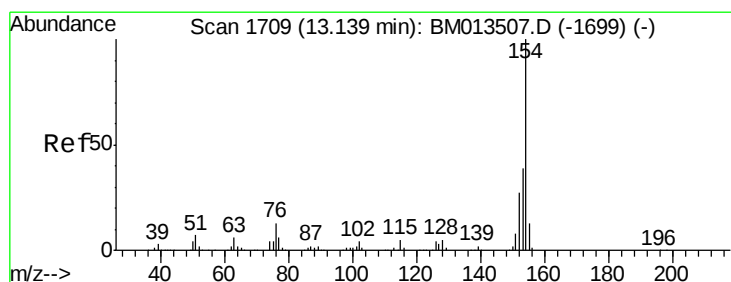
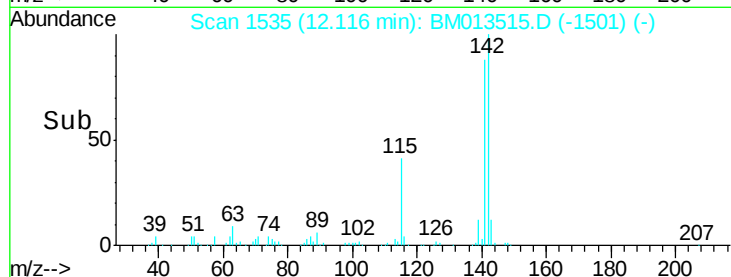
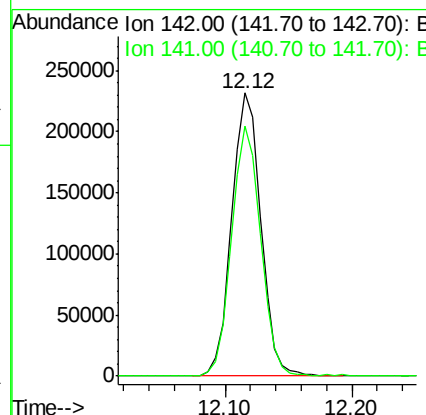
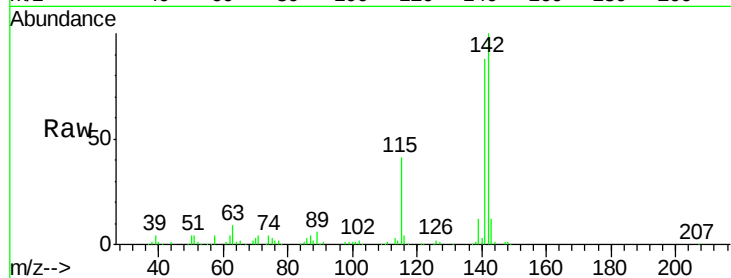




#34
 2-Methylnaphthalene
 Concen: 13.511 ng/ul
 RT: 12.12 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BM013515.D
 Acq: 19 Dec 2017 16:29

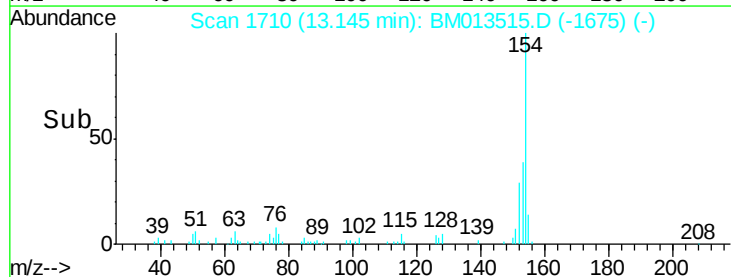
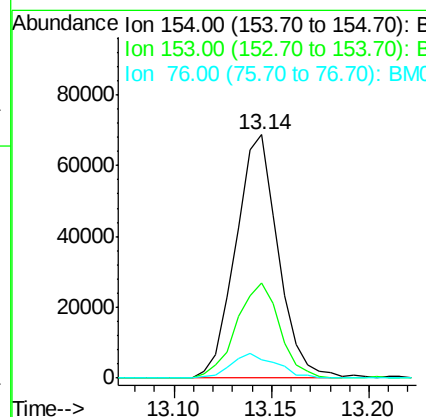
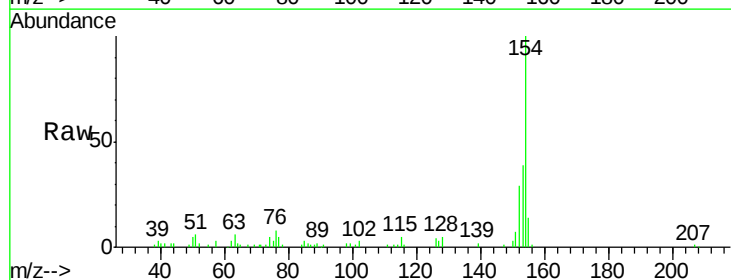
Instrument :
 BNA_M
 ClientSampleId :

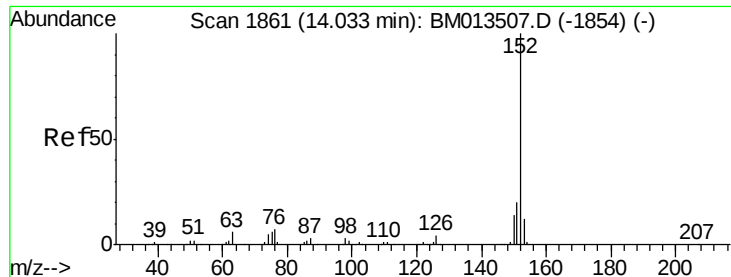
Tot Ion:142 Resp: 368141
 Ion Ratio Lower Upper
 142 100
 141 88.4 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.938 ng/ul
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM013515.D
 Acq: 19 Dec 2017 16:29

Tgt Ion:154 Resp: 103478
 Ion Ratio Lower Upper
 154 100
 153 39.3 32.6 48.8
 76 7.6 8.5 12.7#





#47

Acenaphthylene

Concen: 1.034 ng/ul

RT: 14.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

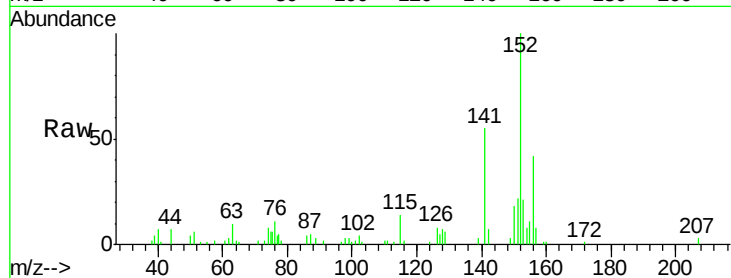
Tot Ion:152 Resp: 43784

Ion Ratio Lower Upper

152 100

151 22.2 16.3 24.5

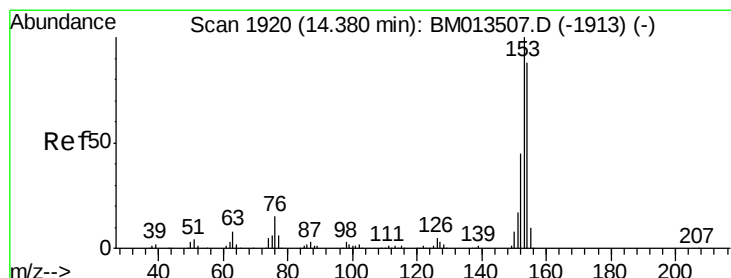
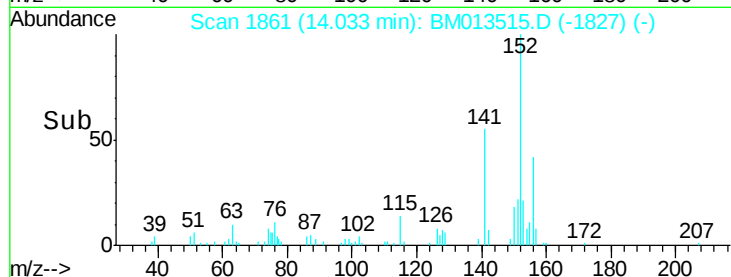
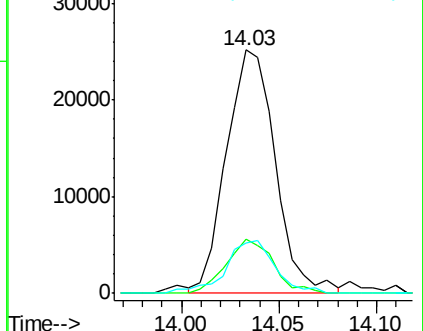
153 20.9 10.2 15.4#



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: 13.183 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

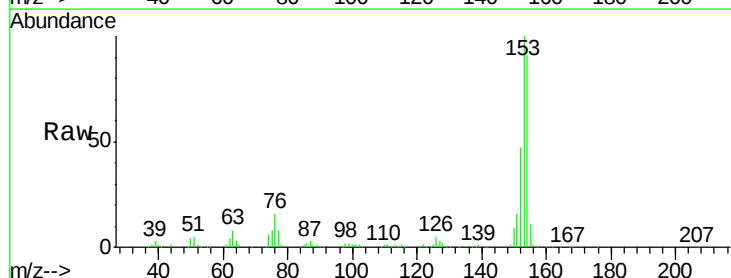
Tgt Ion:153 Resp: 380358

Ion Ratio Lower Upper

153 100

152 46.5 37.6 56.4

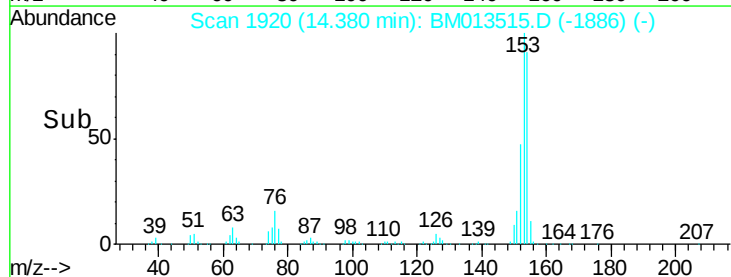
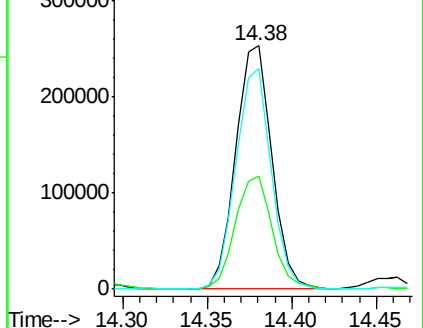
154 90.5 70.4 105.6

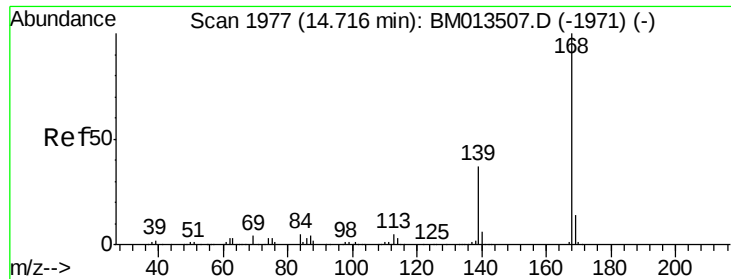


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

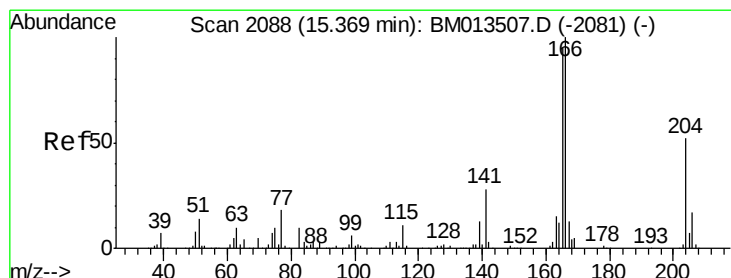
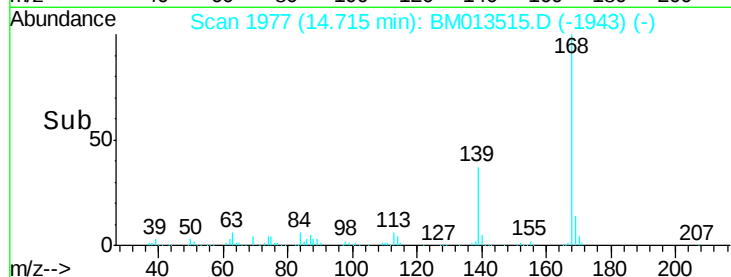
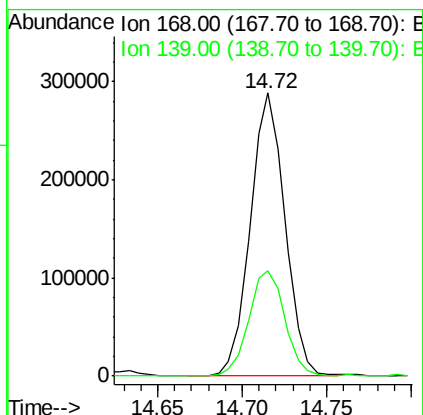
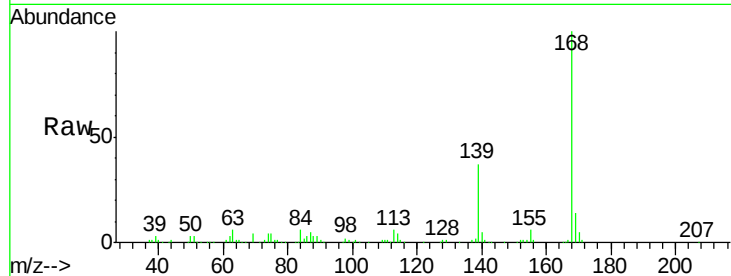




#53
Dibenzenofuran
Concen: 9.712 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

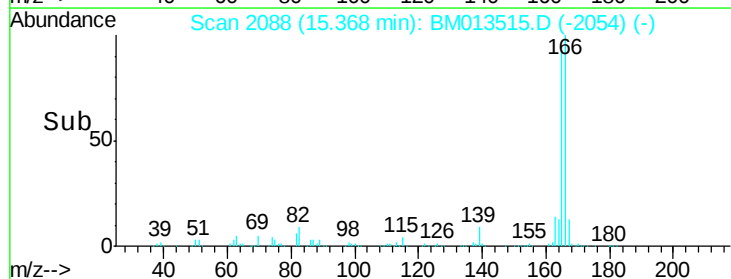
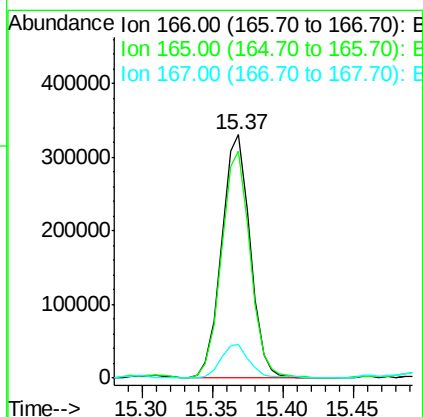
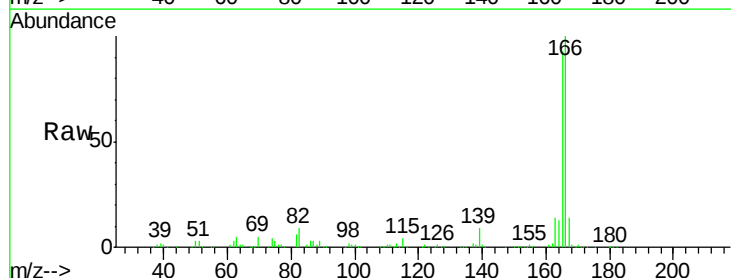
Instrument :
BNA_M
ClientSampleId :

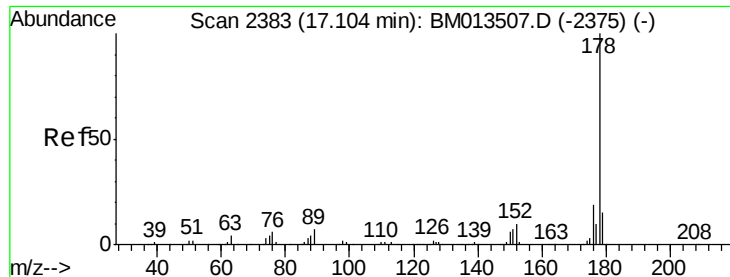
Tot Ion:168 Resp: 413653
Ion Ratio Lower Upper
168 100
139 37.4 30.8 46.2



#58
Fluorene
Concen: 13.128 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BM013515.D
Acq: 19 Dec 2017 16:29

Tgt Ion:166 Resp: 462574
Ion Ratio Lower Upper
166 100
165 93.2 77.9 116.9
167 13.7 10.6 16.0





#69

Phenanthrene

Concen: 39.292 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

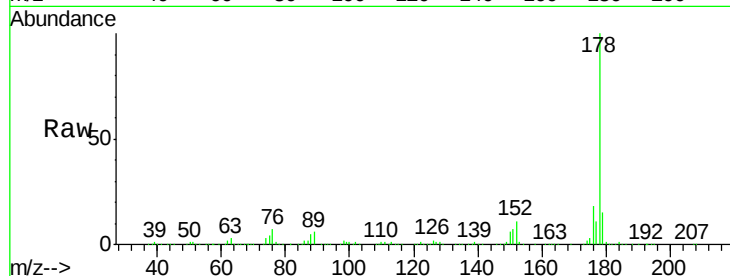
Tot Ion:178 Resp: 2032222

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

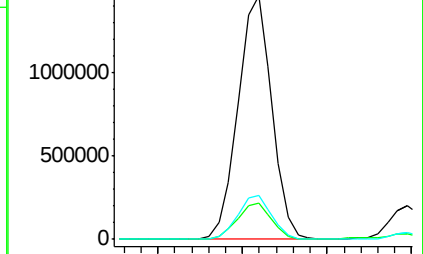
176 17.9 14.9 22.3



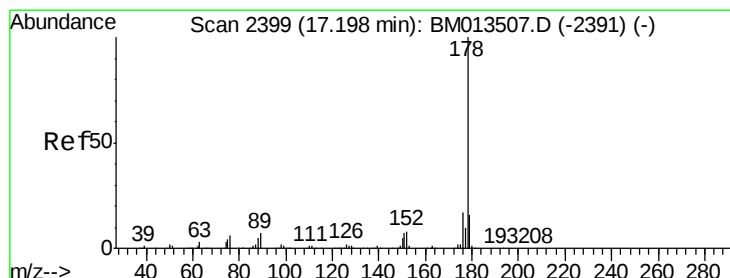
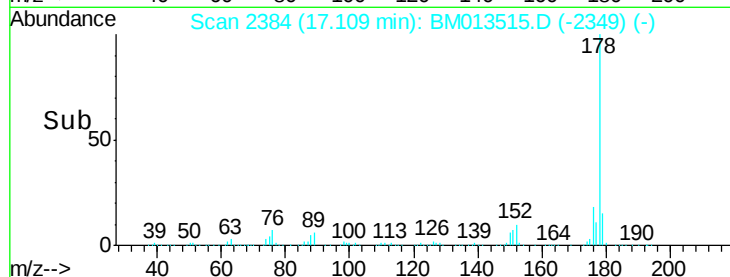
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 5.325 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

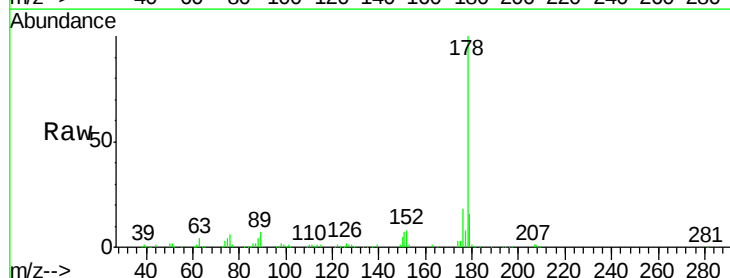
Tgt Ion:178 Resp: 281522

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

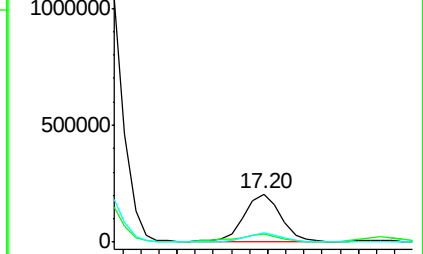
176 18.4 14.6 21.8



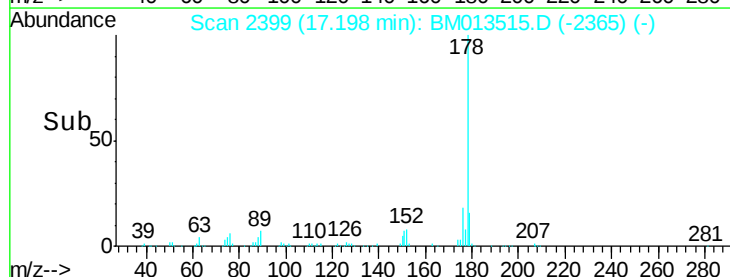
Abundance Ion 178.00 (177.70 to 178.70): E

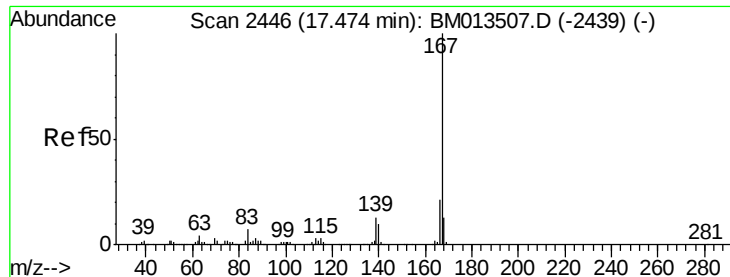
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

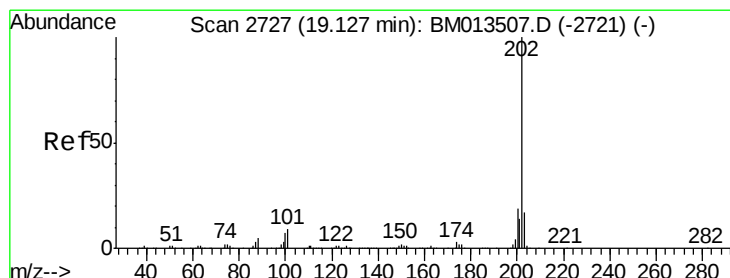
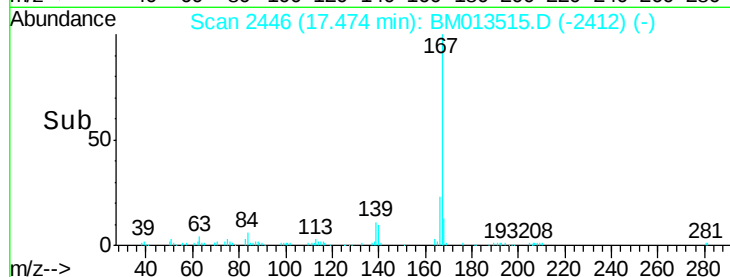
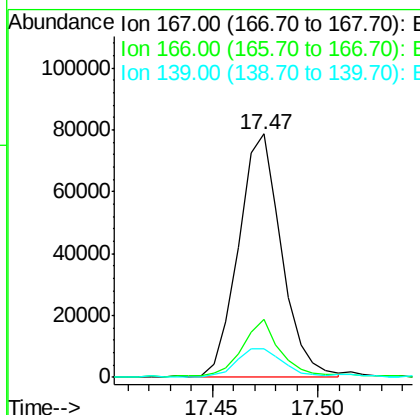
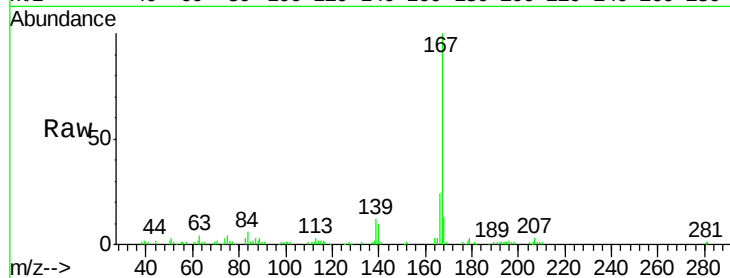




#72
 Carbazole
 Concen: 2.447 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013515.D
 Acq: 19 Dec 2017 16:29

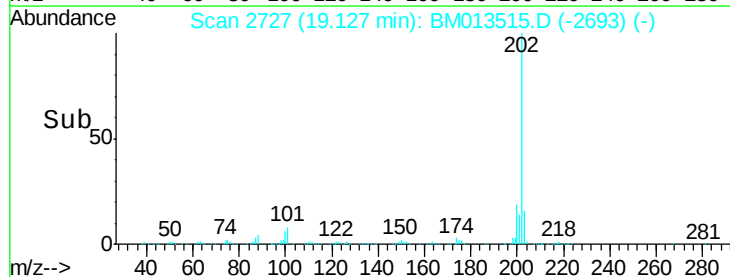
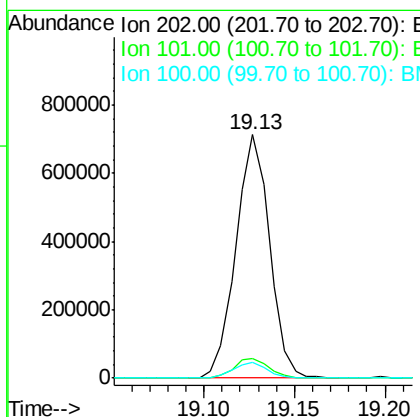
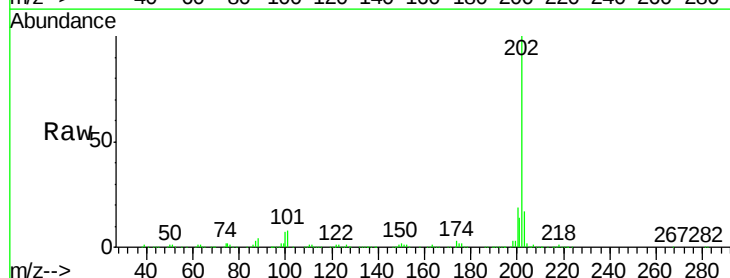
Instrument :
 BNA_M
 ClientSampled :

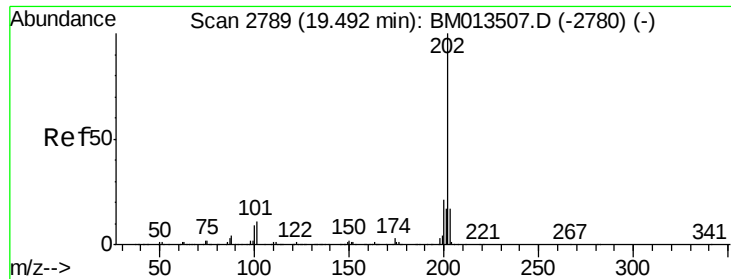
Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	23.7	17.1	25.7	
139	11.6	10.0	15.0	



#74
 Fluoranthene
 Concen: 14.543 ng/ul
 RT: 19.13 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM013515.D
 Acq: 19 Dec 2017 16:29

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	7.8	4.6	7.0#	
100	6.5	3.4	5.2#	





#77

Pvrene

Concen: 12.289 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

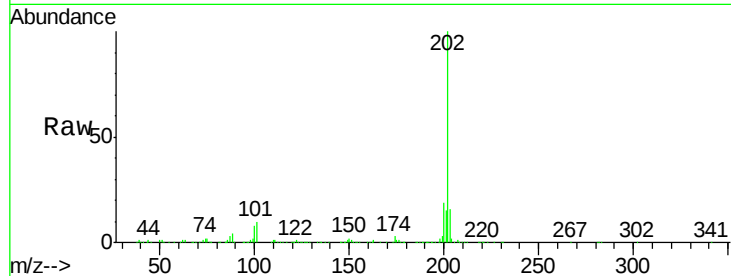
Tot Ion:202 Resp: 600137

Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

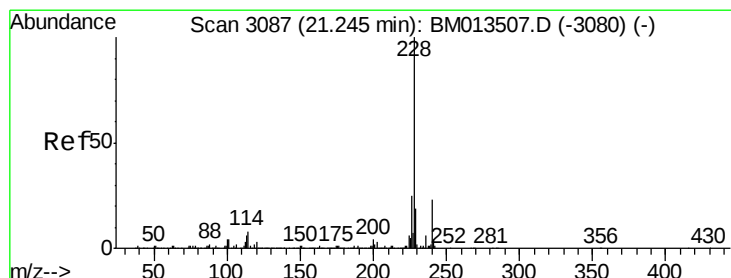
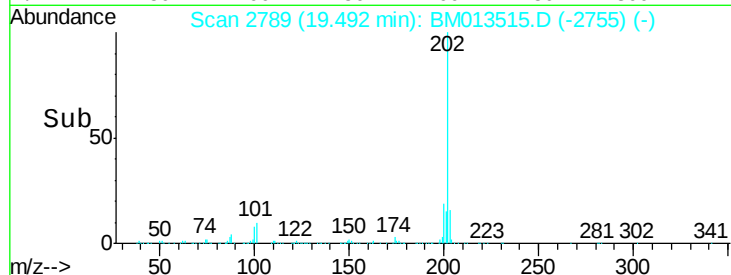
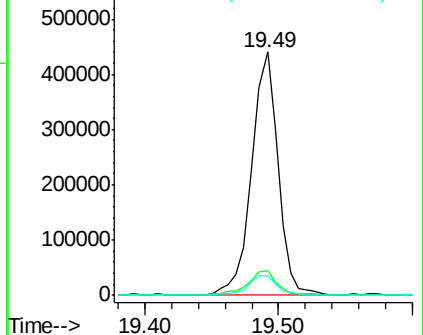
100 8.2 4.9 7.3#



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: BM013515.D

Acq: 19 Dec 2017 16:29

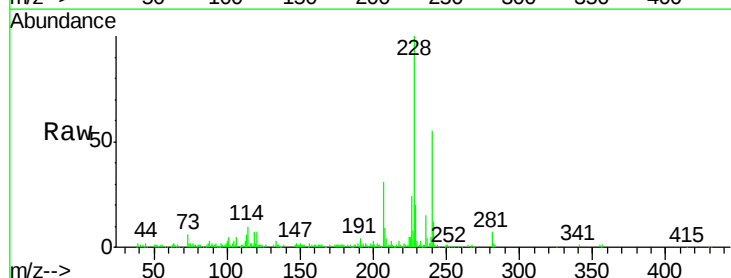
Tgt Ion:228 Resp: 157373

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.0

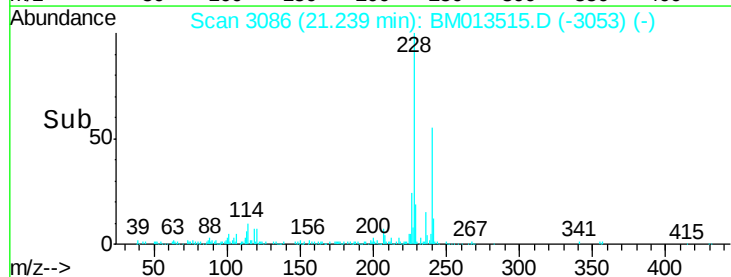
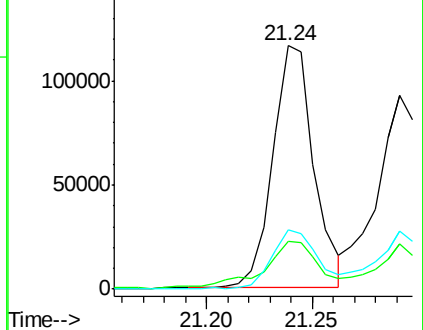
226 24.3 21.4 32.0

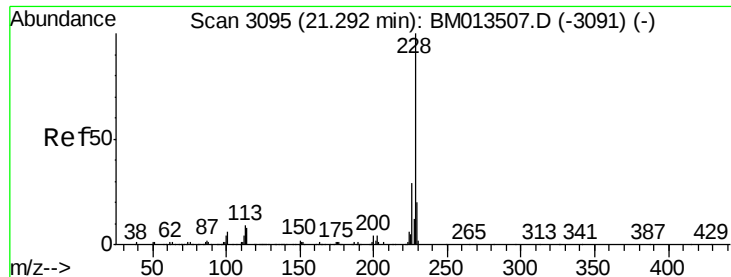


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 2.858 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

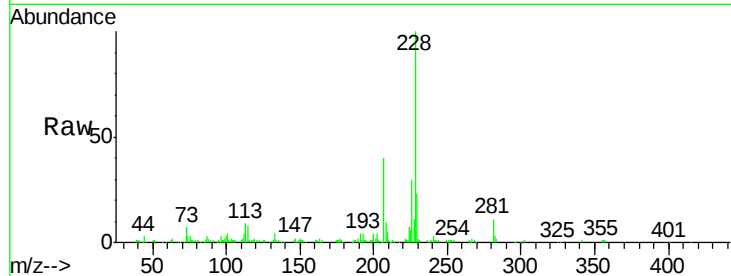
Tot Ion:228 Resp: 135232

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

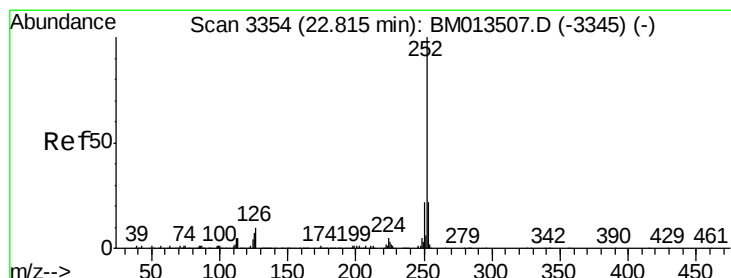
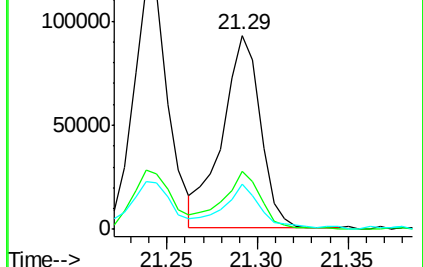
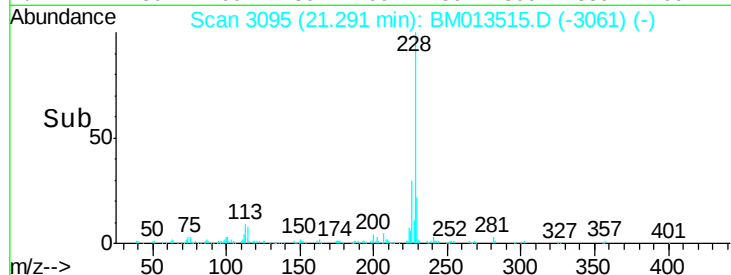
229 23.2 15.5 23.3



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: 2.188 ng/ul

RT: 22.81 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

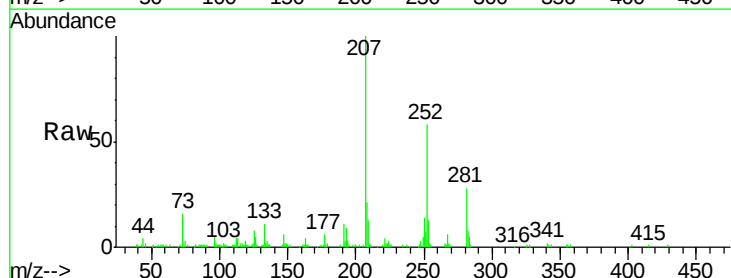
Tgt Ion:252 Resp: 105162

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

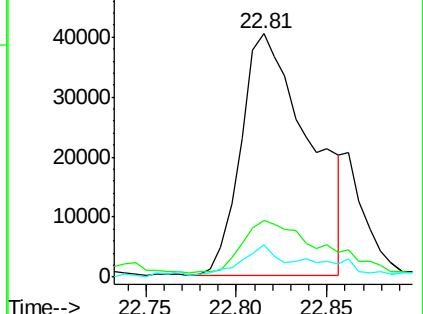
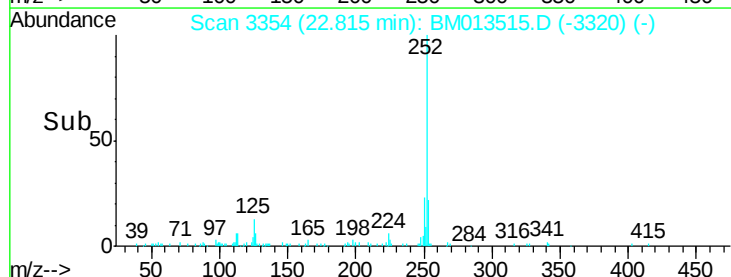
125 13.3 3.6 5.4#

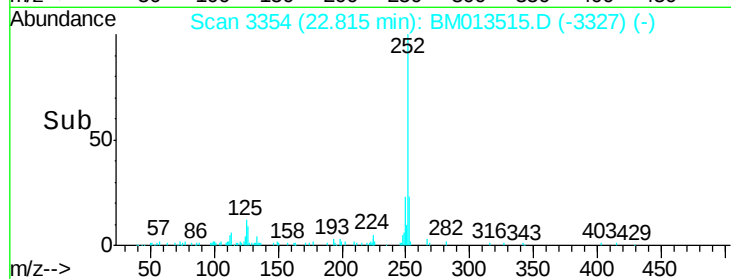
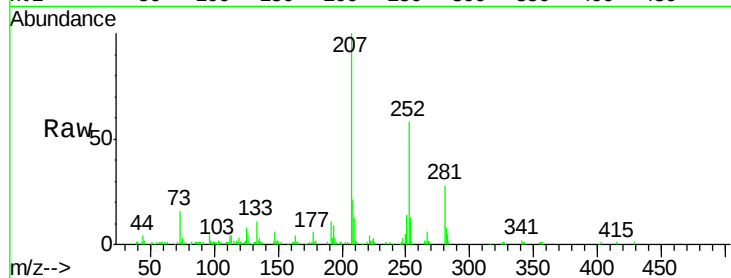
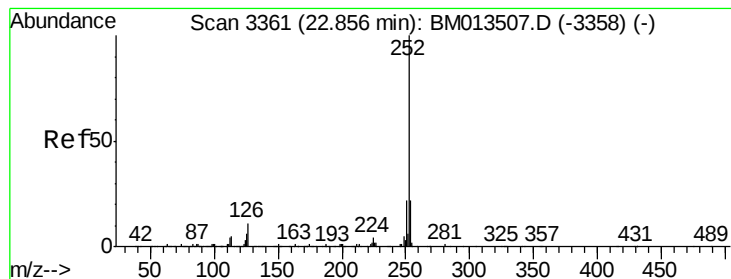


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 2.325 ng/ul

RT: 22.81 min Scan# 3354

Delta R.T. -0.04 min

Lab File: BM013515.D

Acq: 19 Dec 2017 16:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 105162

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 13.3 3.4 5.2#

