

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013513.D
 Acq On : 19 Dec 2017 15:16
 Operator : SJ/JU
 Sample : I6778-14ME 30X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 03:16:58 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	173323	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	746050	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	443775	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	979253	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	834799	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	733447	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	469	0.13	ng/uL	0.00
5) Phenol-d5	6.86	99	8255	0.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	5811	0.68	ng/ul	0.01
9) 2-Chlorophenol-d4	7.21	132	8128	0.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	7694	0.60	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	4223	0.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.55	143	3504	0.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	8392	0.64	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	16519	1.38	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	31498	0.80	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	36588	0.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	455	0.07	ng/ul	0.00
57) Fluorene-d10	15.31	176	27978	0.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	1216	0.20	ng/ul	0.02
70) Anthracene-d10	17.16	188	44818	0.91	ng/ul	0.00
76) Pyrene-d10	19.46	212	42673	1.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	29339	0.79	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	3297677	85.914	ng/ul	99
30) 4-Chloroaniline	10.50	127	426128	36.702	ng/ul#	10
34) 2-Methylnaphthalene	12.12	142	670159	23.226	ng/ul	95
40) 1,1'-Biphenyl	13.15	154	182141	4.856	ng/ul	99
47) Acenaphthylene	14.03	152	82077	1.820	ng/ul#	93
49) Acenaphthene	14.38	153	681950	22.198	ng/ul	98
53) Dibenzofuran	14.72	168	751717	16.575	ng/ul	99
58) Fluorene	15.37	166	848755	22.622	ng/ul	99
60) 4-Nitroaniline	15.37	138	10389	1.279	ng/ul#	14
69) Phenanthrene	17.11	178	3656416	65.724	ng/ul	99
71) Anthracene	17.20	178	526306	9.255	ng/ul	100
72) Carbazole	17.47	167	201598	4.122	ng/ul	95
74) Fluoranthene	19.13	202	1670422	24.501	ng/ul#	91
77) Pyrene	19.49	202	1103156	21.751	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	280080	5.288	ng/ul	96
82) Chrysene	21.29	228	232771	4.737	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	165910	3.356	ng/ul#	97
86) Benzo(k)fluoranthene	22.82	252	165910	3.566	ng/ul#	98
88) Benzo(a)pyrene	23.38	252	105941	2.385	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.71	276	45736	1.038	ng/ul#	92
91) Benzo(a,h,i)perylene	26.39	276	40216	1.157	ng/ul#	84

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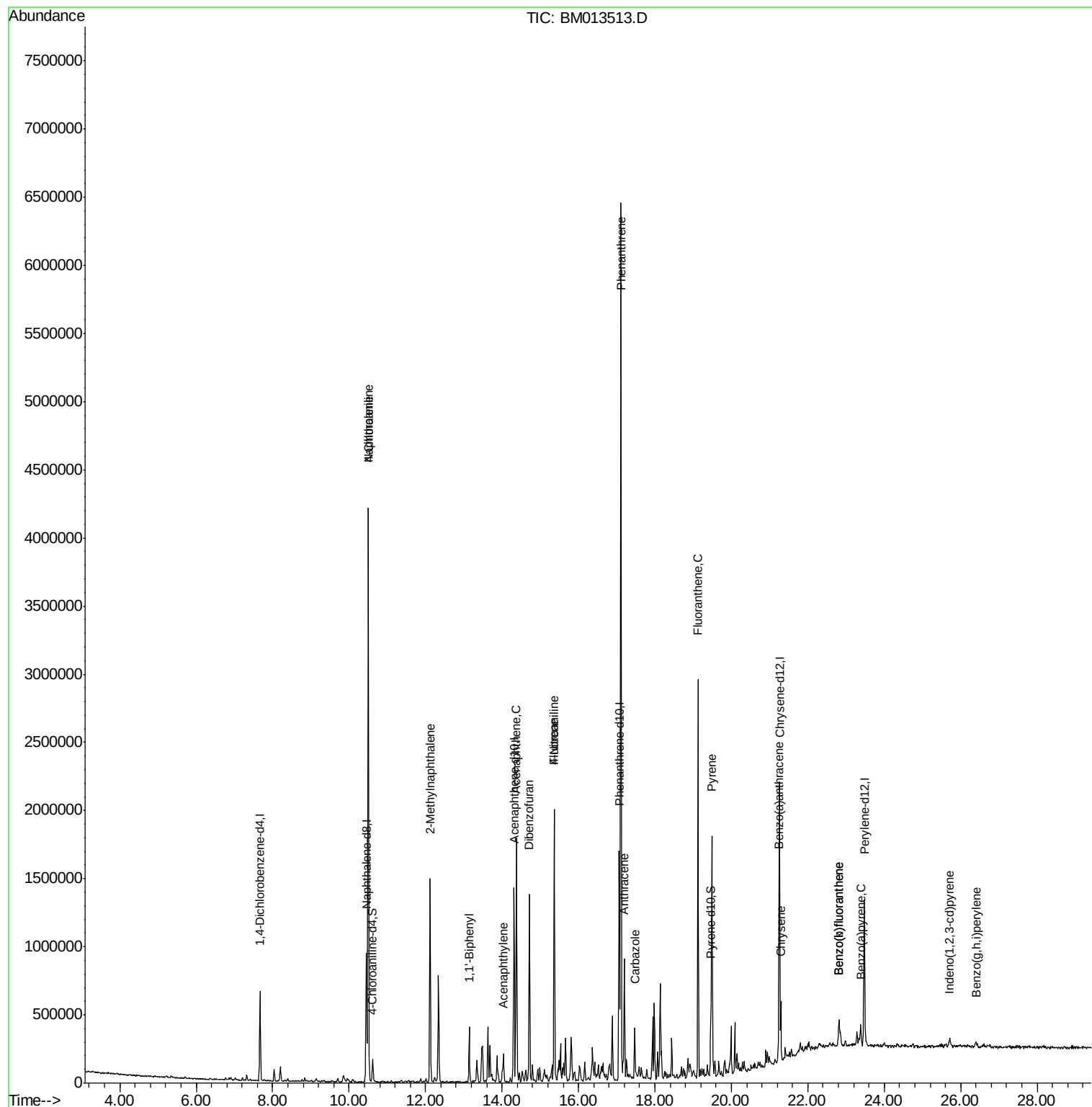
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

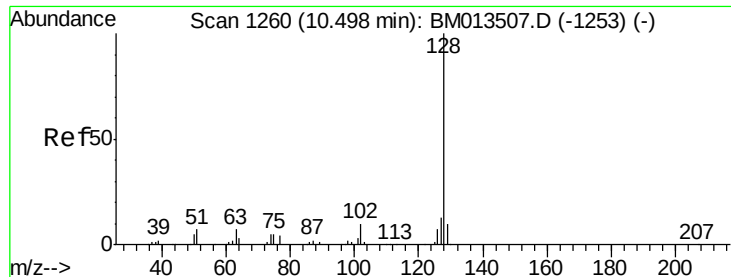
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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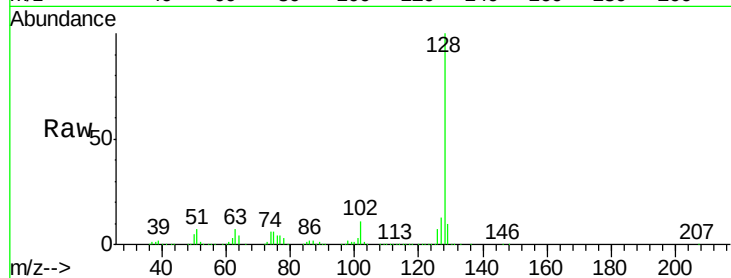




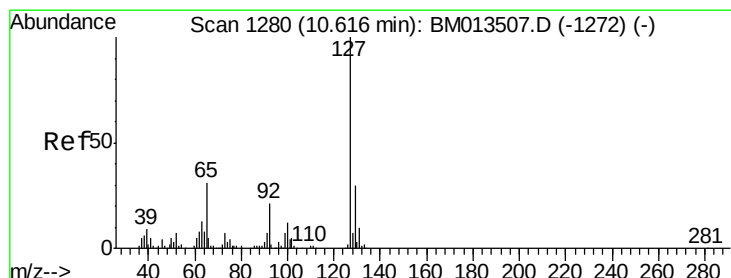
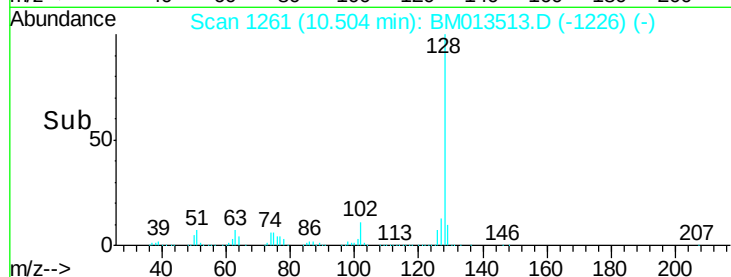
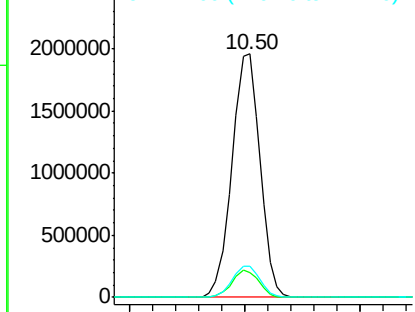
#28
Naphthalene
Concen: 85.914 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 3297677
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 12.9 10.6 16.0

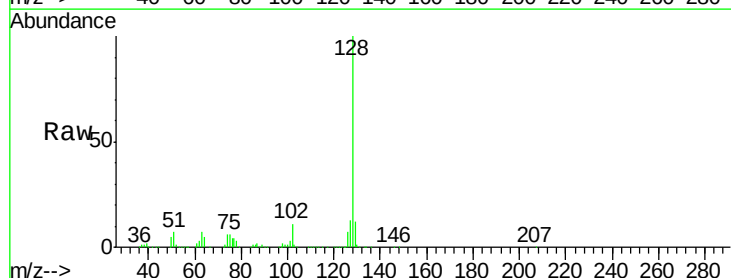


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

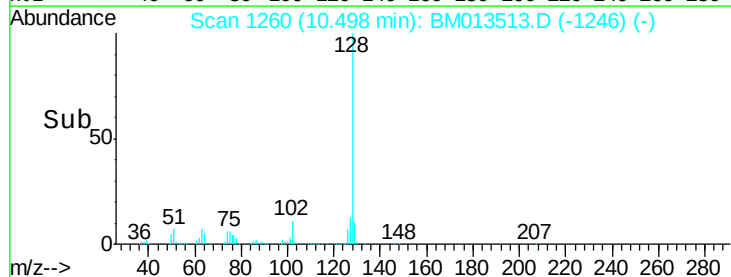
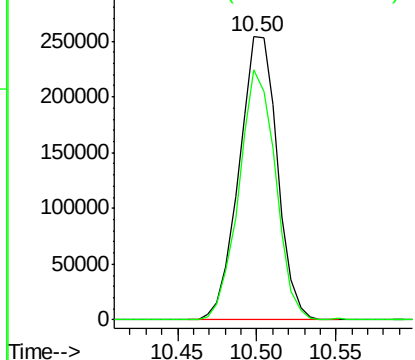


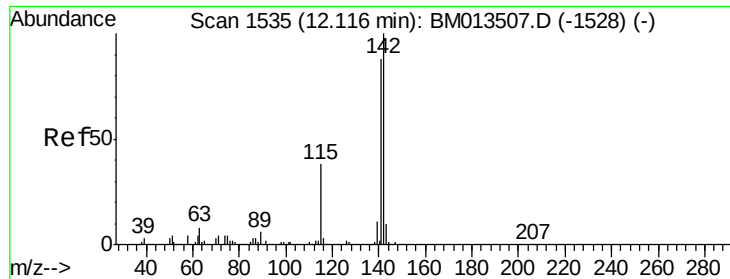
#30
4-Chloroaniline
Concen: 36.702 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.12 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

Tgt Ion:127 Resp: 426128
Ion Ratio Lower Upper
127 100
129 88.2 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: 23.226 ng/ul

RT: 12.12 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

Instrument :

BNA_M

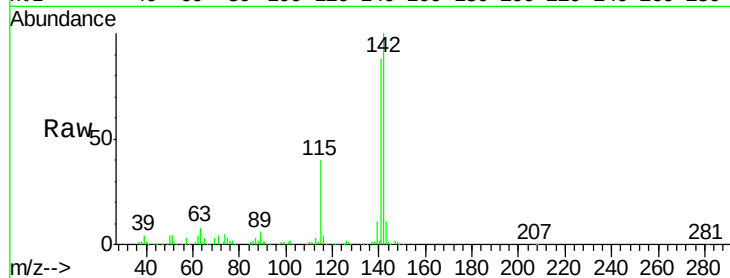
ClientSampled :

Tot Ion:142 Resp: 670159

Ion Ratio Lower Upper

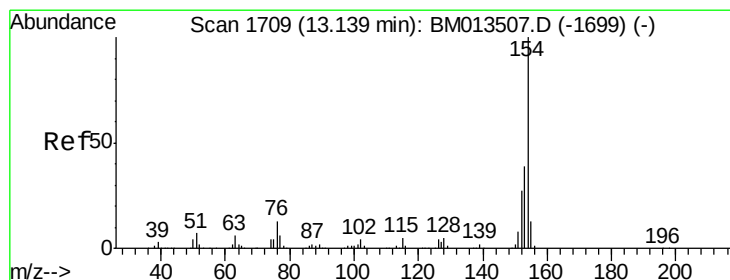
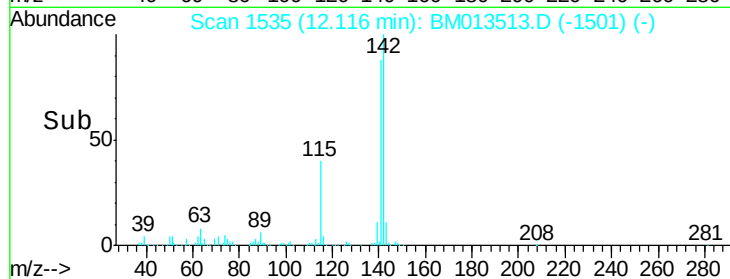
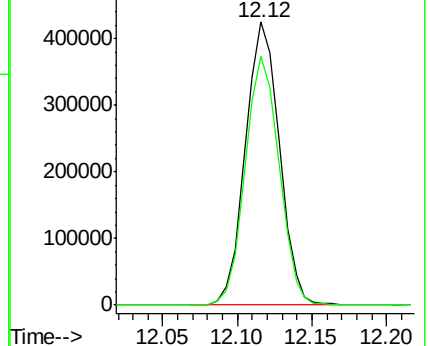
142 100

141 87.8 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 4.856 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

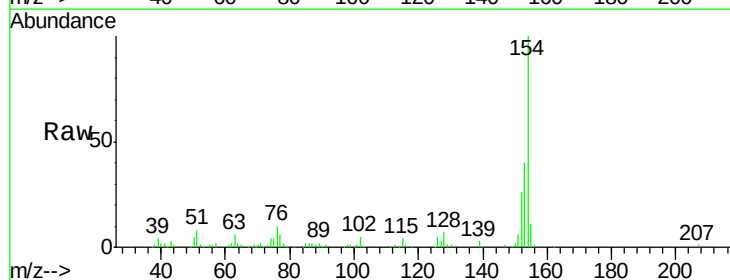
Tgt Ion:154 Resp: 182141

Ion Ratio Lower Upper

154 100

153 40.3 32.6 48.8

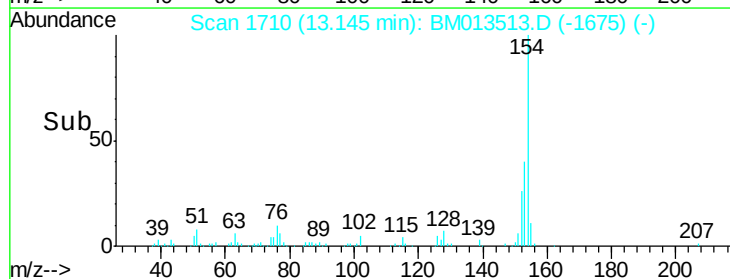
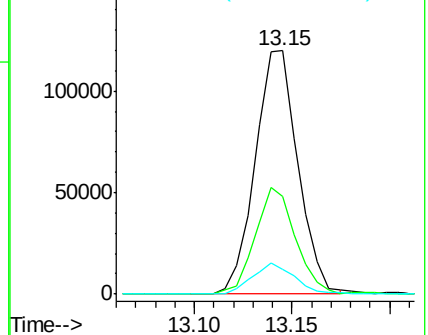
76 10.1 8.5 12.7

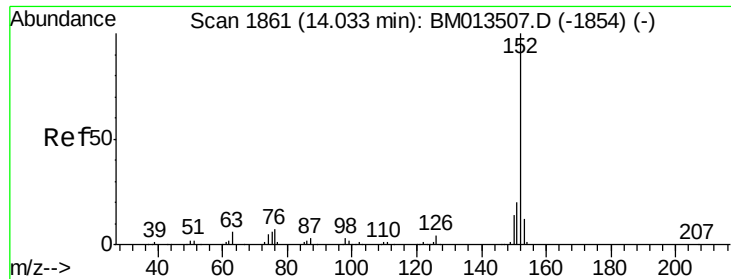


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM





#47

Acenaphthylene

Concen: 1.820 ng/ul

RT: 14.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

Instrument :

BNA_M

ClientSampleId :

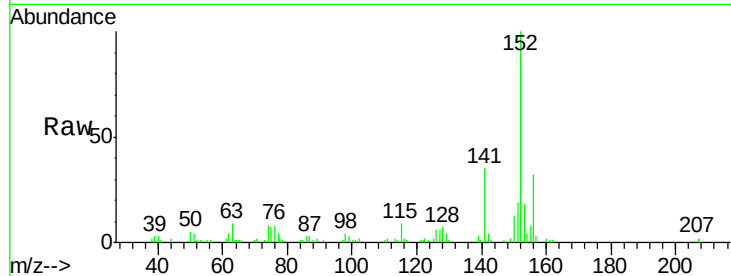
Tot Ion:152 Resp: 82077

Ion Ratio Lower Upper

152 100

151 18.8 16.3 24.5

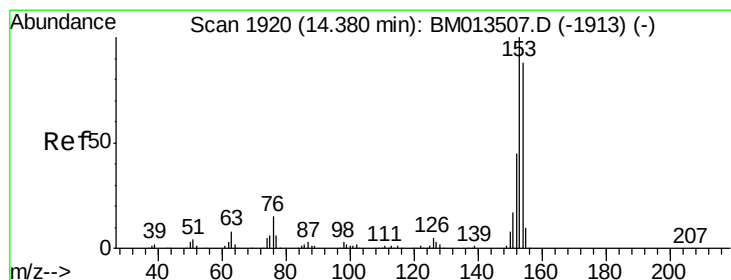
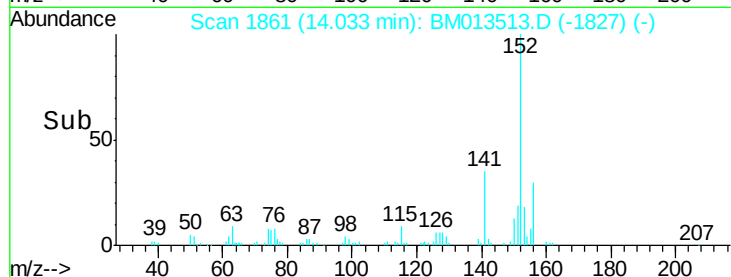
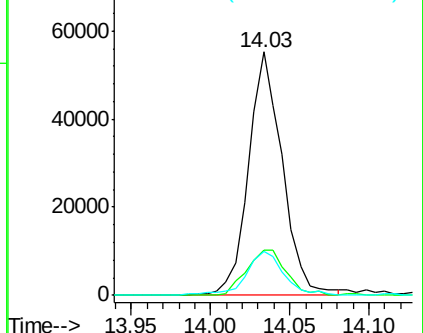
153 17.8 10.2 15.4#



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: 22.198 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

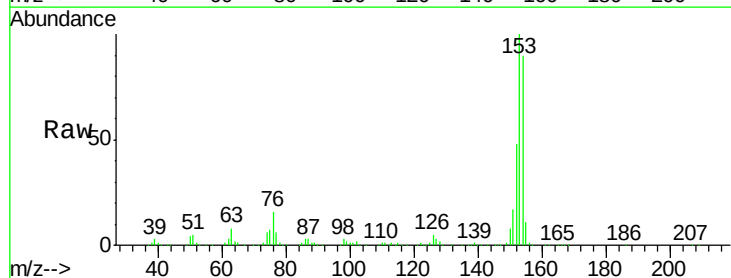
Tgt Ion:153 Resp: 681950

Ion Ratio Lower Upper

153 100

152 47.9 37.6 56.4

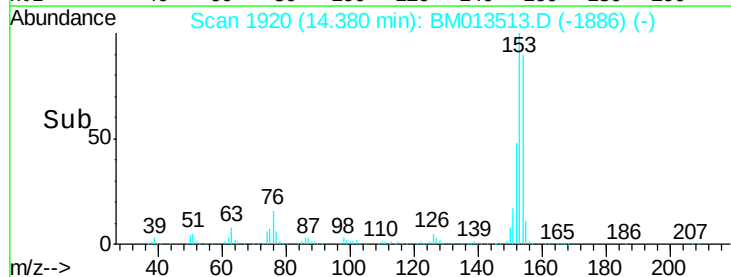
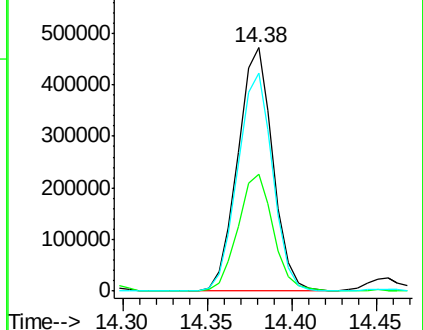
154 89.6 70.4 105.6

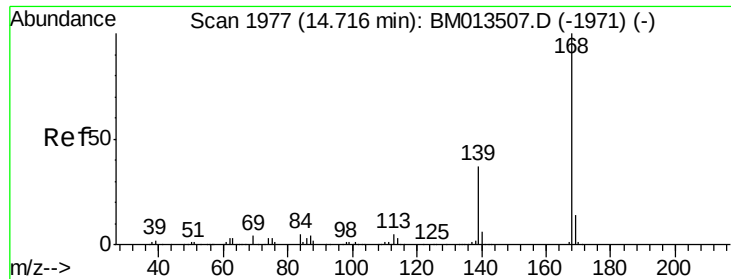


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 16.575 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

Instrument :

BNA_M

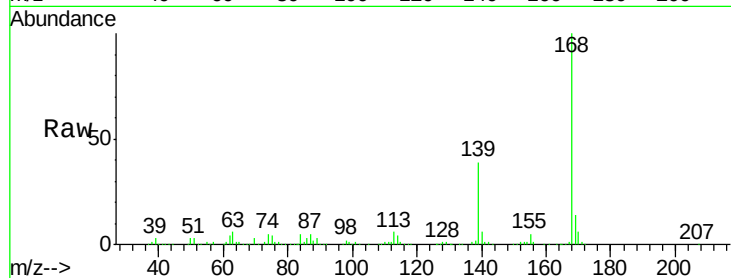
ClientSampleId :

Tot Ion:168 Resp: 751717

Ion Ratio Lower Upper

168 100

139 39.4 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

600000

500000

400000

300000

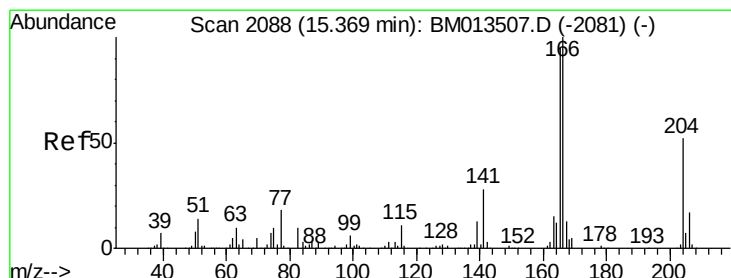
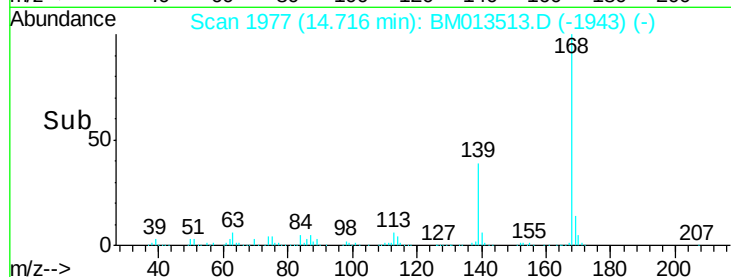
200000

100000

0

14.65 14.70 14.75

Time-->



#58

Fluorene

Concen: 22.622 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

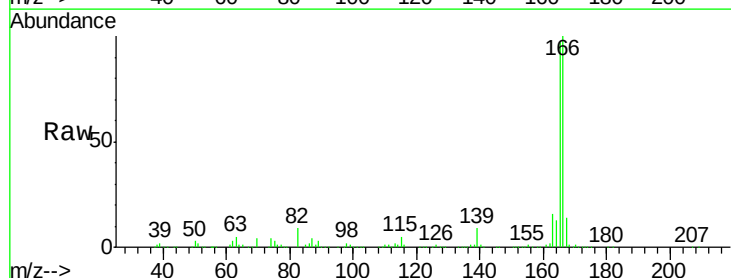
Tgt Ion:166 Resp: 848755

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

167 13.9 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

800000

600000

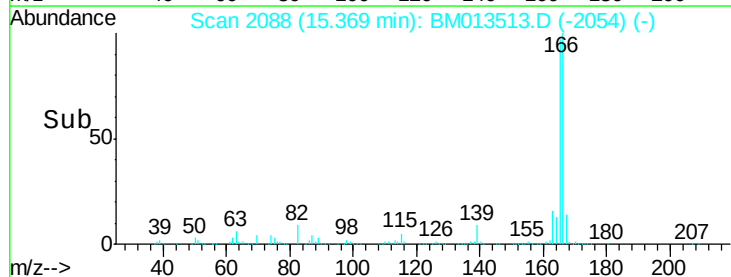
400000

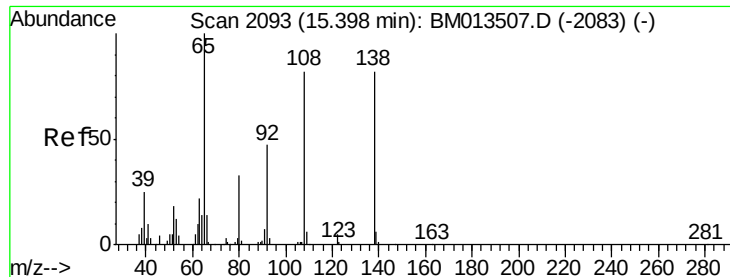
200000

0

15.30 15.35 15.40 15.45

Time-->

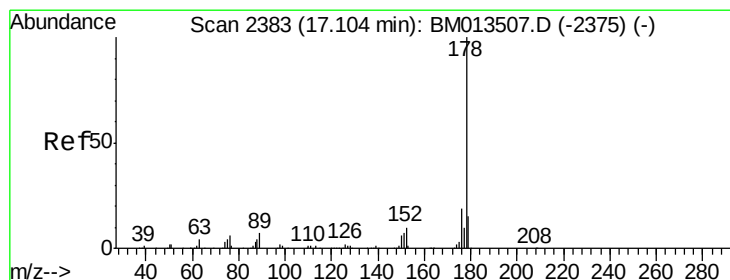
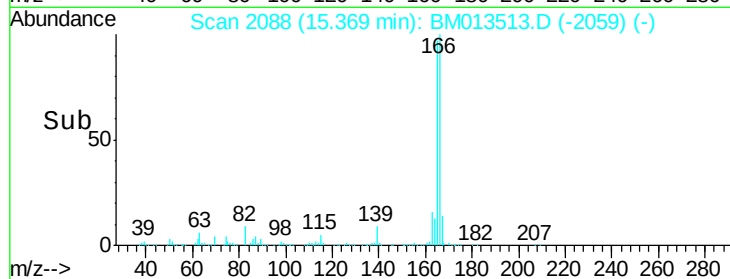
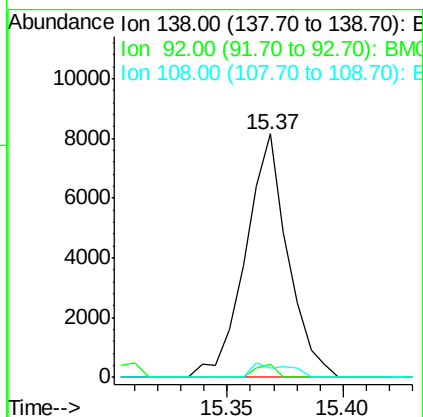
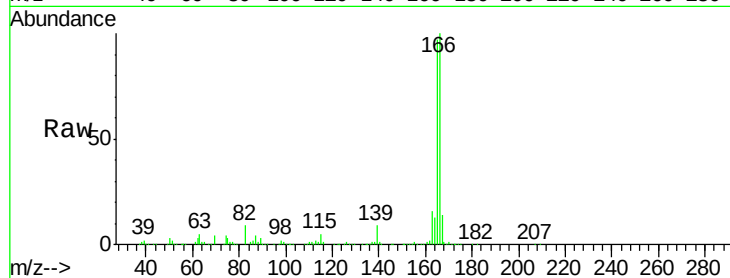




#60
4-Nitroaniline
Concen: 1.279 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. -0.03 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

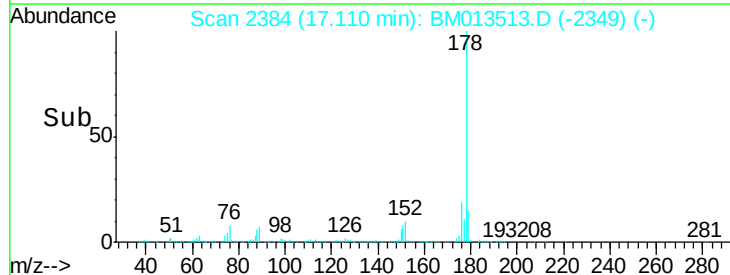
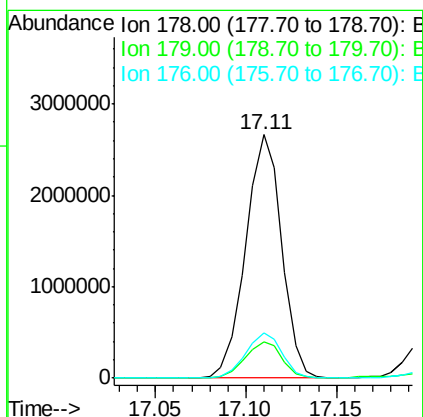
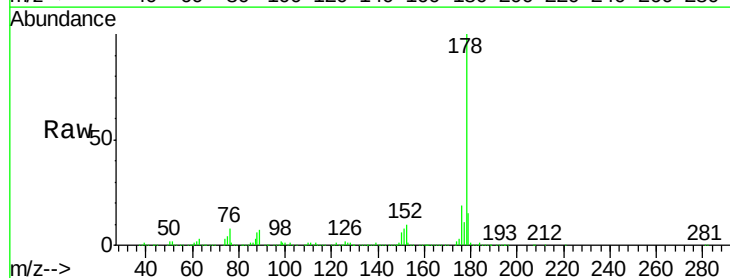
Instrument :
BNA_M
ClientSampled :

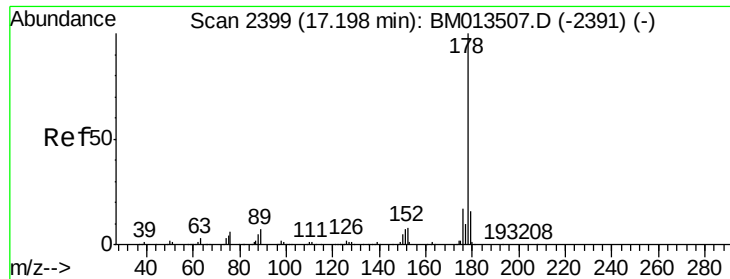
Tot Ion:138 Resp: 10389
Ion Ratio Lower Upper
138 100
92 5.4 40.0 60.0#
108 4.0 80.0 120.0#



#69
Phenanthrene
Concen: 65.724 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. 0.01 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

Tgt Ion:178 Resp: 3656416
Ion Ratio Lower Upper
178 100
179 15.1 12.6 19.0
176 18.7 14.9 22.3

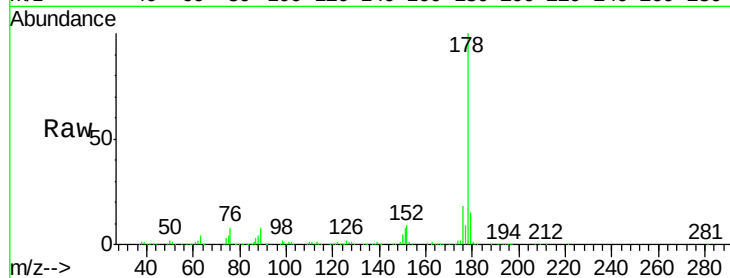




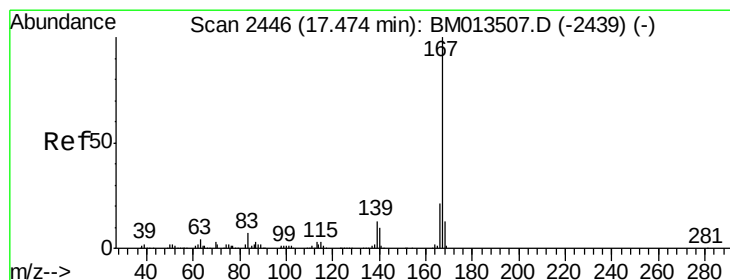
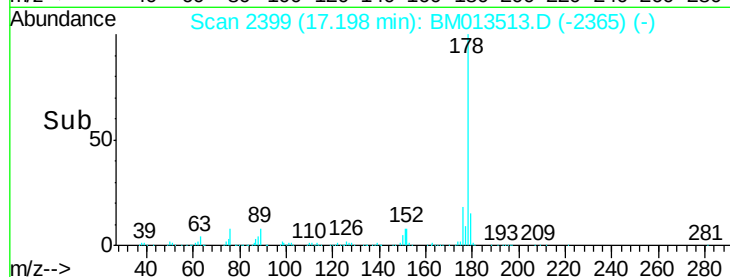
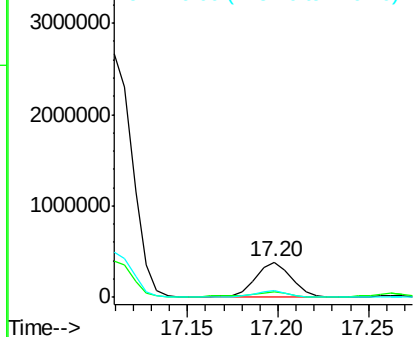
#71
 Anthracene
 Concen: 9.255 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM013513.D
 Acq: 19 Dec 2017 15:16

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 526306
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.7 17.5
 176 18.2 14.6 21.8

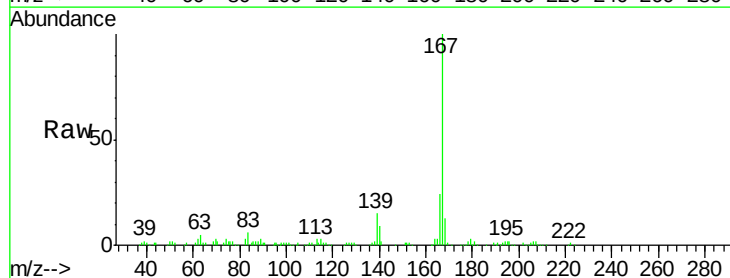


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

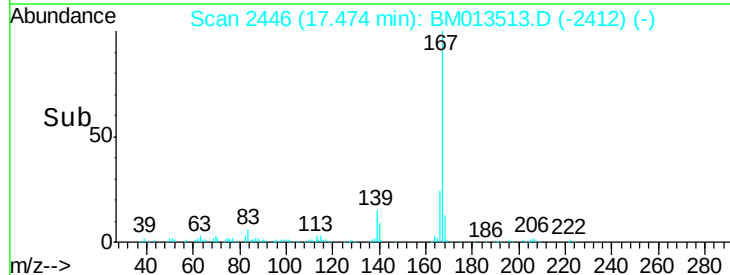
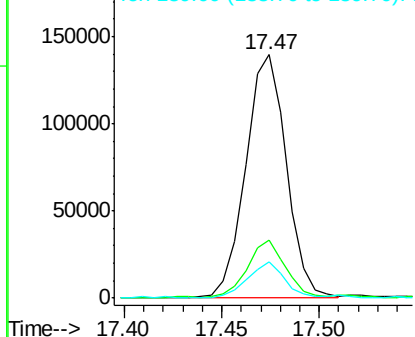


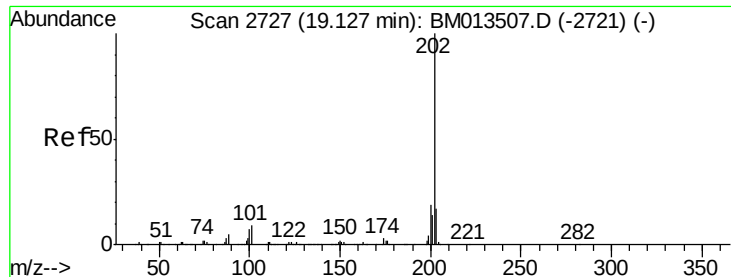
#72
 Carbazole
 Concen: 4.122 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013513.D
 Acq: 19 Dec 2017 15:16

Tgt Ion:167 Resp: 201598
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.1 25.7
 139 14.9 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

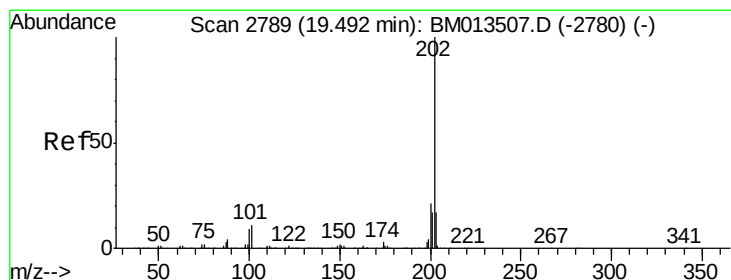
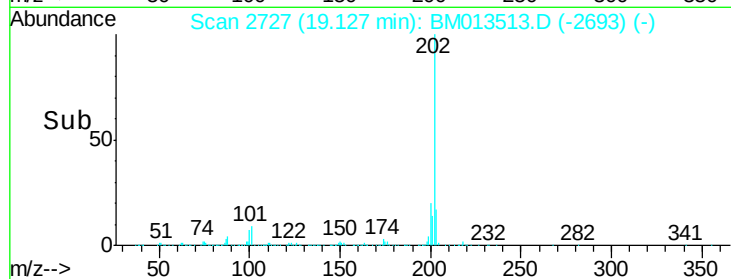
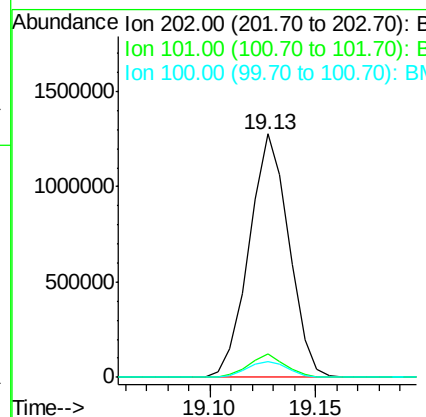
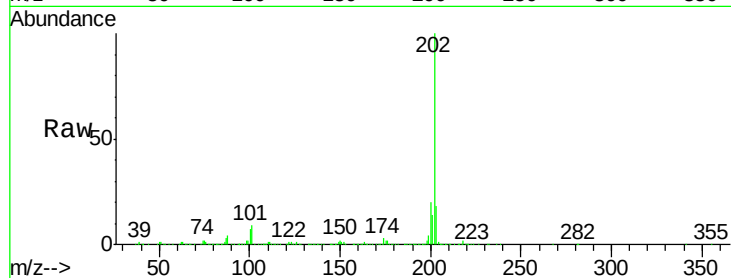




#74
 Fluoranthene
 Concen: 24.501 ng/ul
 RT: 19.13 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM013513.D
 Acq: 19 Dec 2017 15:16

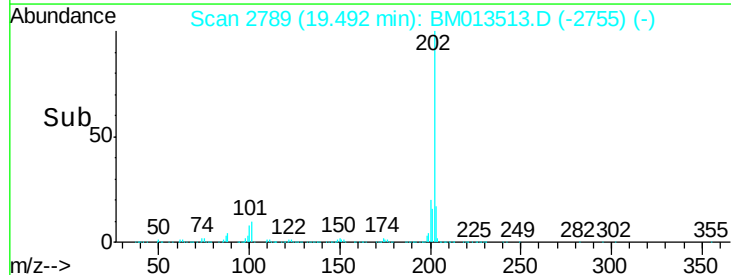
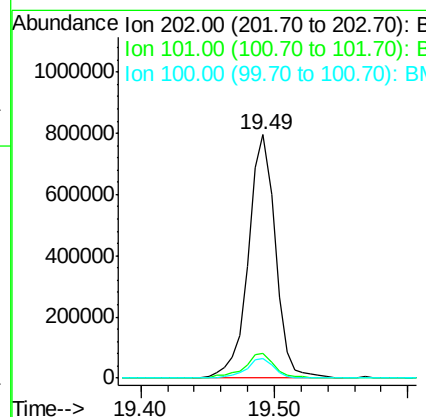
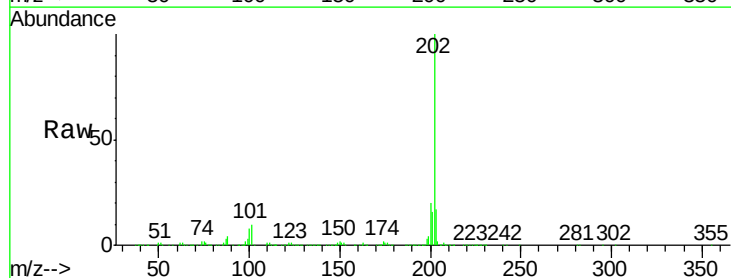
Instrument :
 BNA_M
 ClientSampleId :

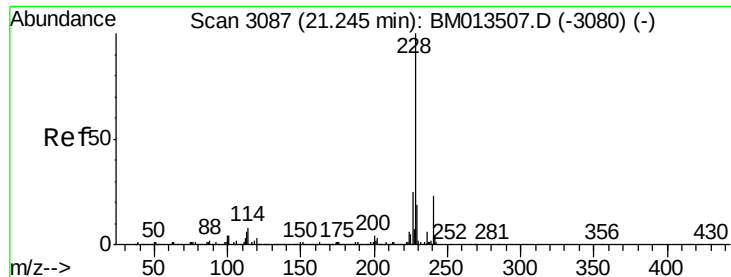
Tot Ion:202 Resp: 1670422
 Ion Ratio Lower Upper
 202 100
 101 9.4 4.6 7.0#
 100 6.7 3.4 5.2#



#77
 Pyrene
 Concen: 21.751 ng/ul
 RT: 19.49 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: BM013513.D
 Acq: 19 Dec 2017 15:16

Tgt Ion:202 Resp: 1103156
 Ion Ratio Lower Upper
 202 100
 101 10.1 5.1 7.7#
 100 7.8 4.9 7.3#

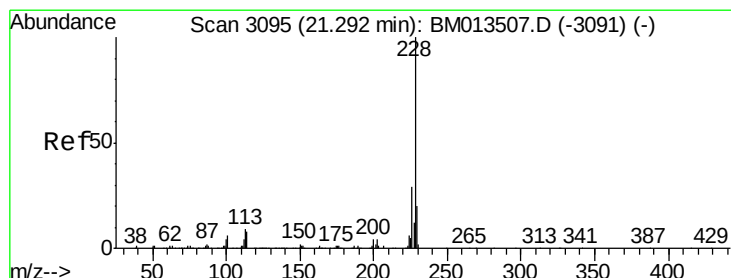
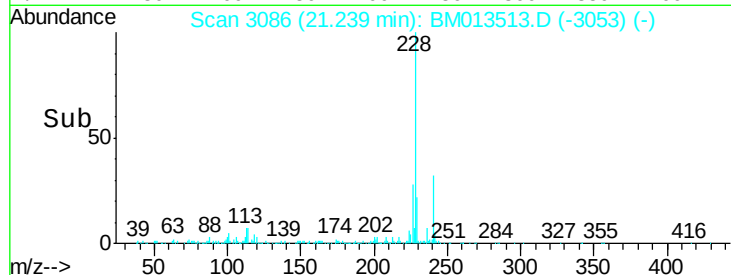
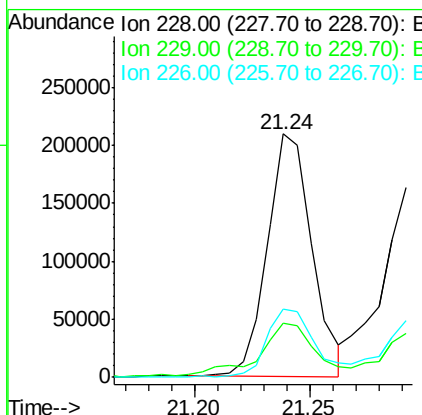
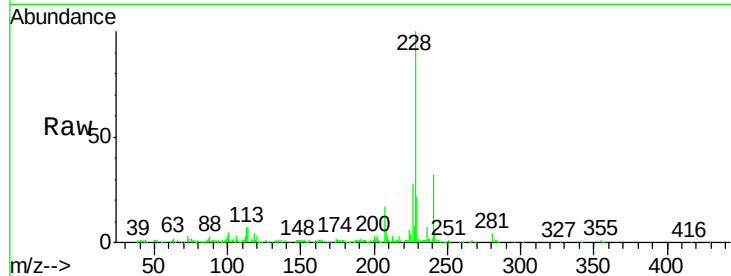




#80
Benzo(a)anthracene
Concen: 5.288 ng/ul
RT: 21.24 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

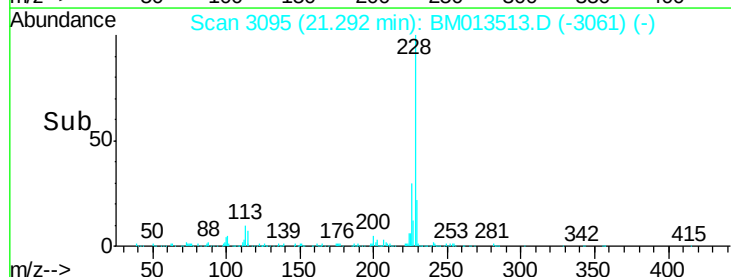
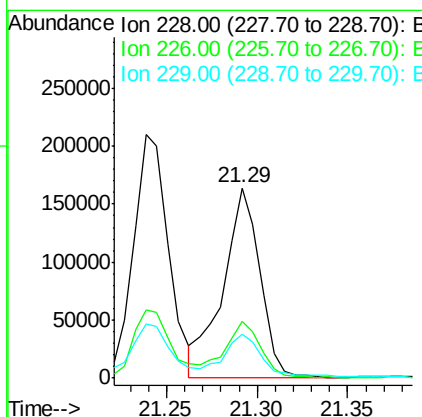
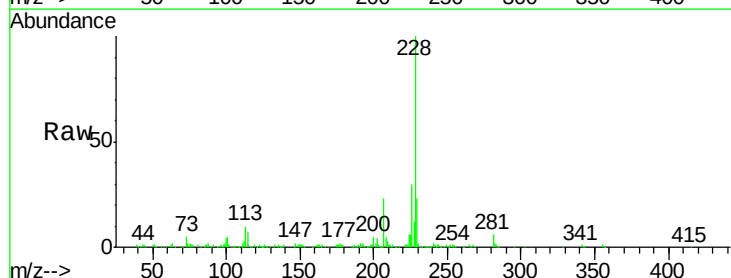
Instrument :
BNA_M
ClientSampleId :

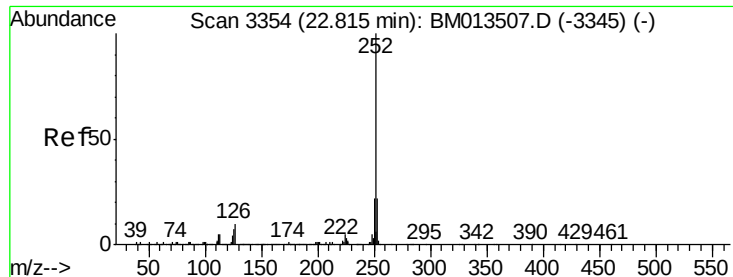
Tot Ion:228 Resp: 280080
Ion Ratio Lower Upper
228 100
229 22.1 15.4 23.0
226 27.8 21.4 32.0



#82
Chrysene
Concen: 4.737 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

Tgt Ion:228 Resp: 232771
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.8 15.5 23.3

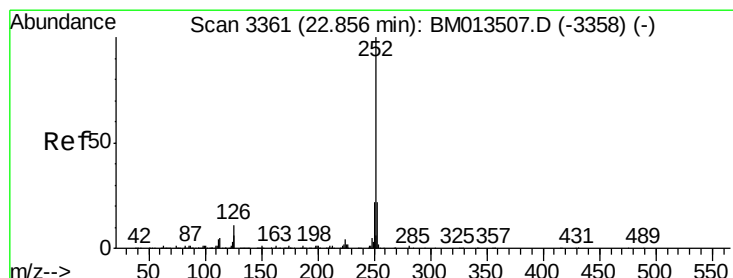
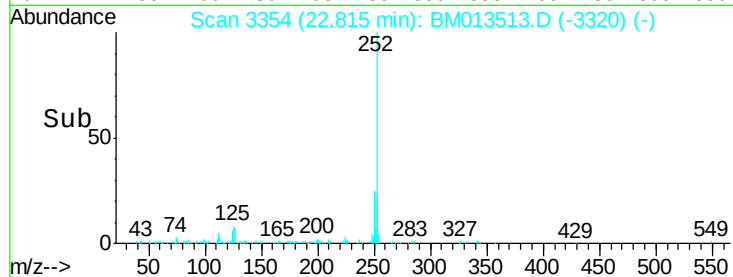
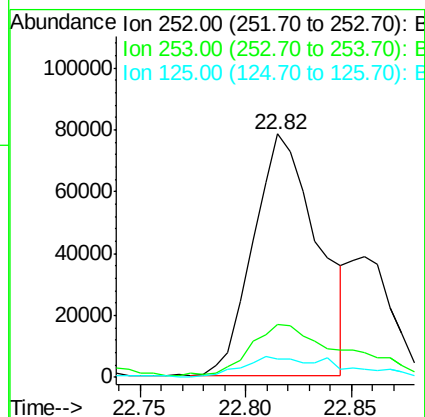
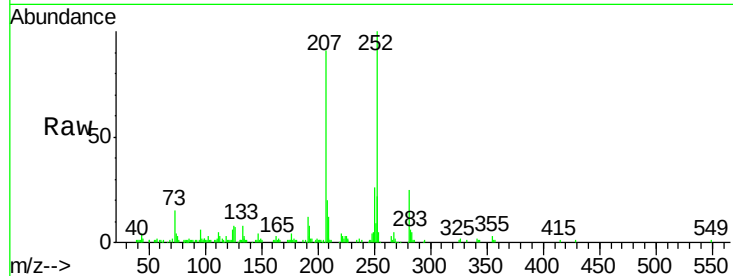




#85
Benzo(b)fluoranthene
Concen: 3.356 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

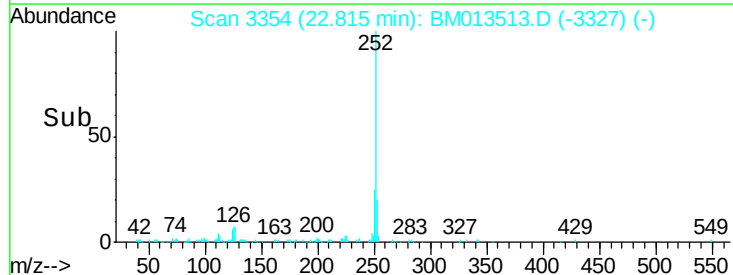
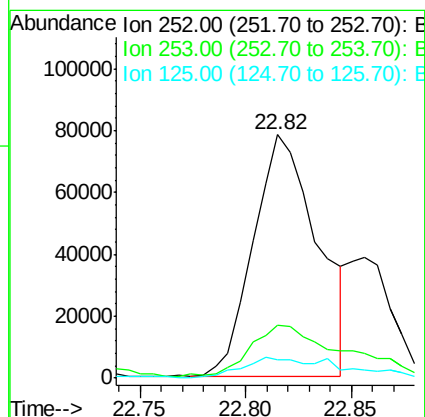
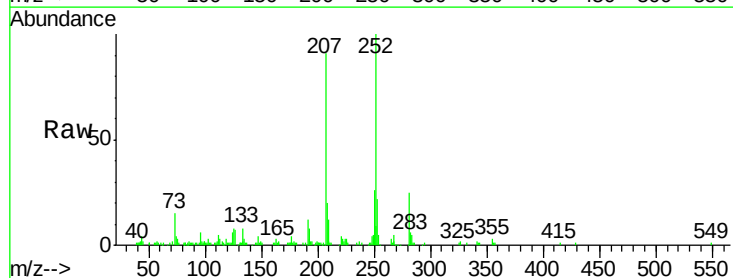
Instrument :
BNA_M
ClientSampleId :

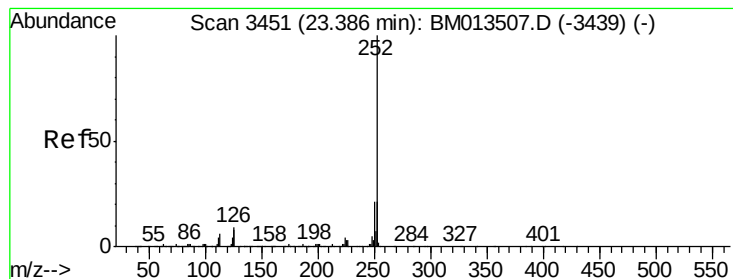
Tot Ion:252 Resp: 165910
Ion Ratio Lower Upper
252 100
253 21.5 17.9 26.9
125 7.5 3.6 5.4#



#86
Benzo(k)fluoranthene
Concen: 3.566 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.04 min
Lab File: BM013513.D
Acq: 19 Dec 2017 15:16

Tgt Ion:252 Resp: 165910
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 7.5 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 2.385 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM013513.D

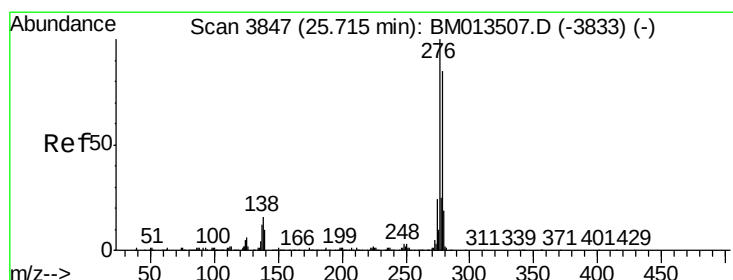
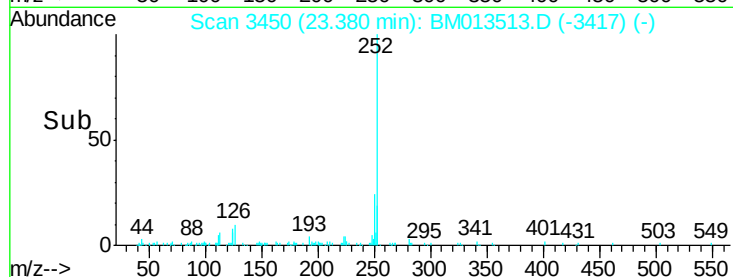
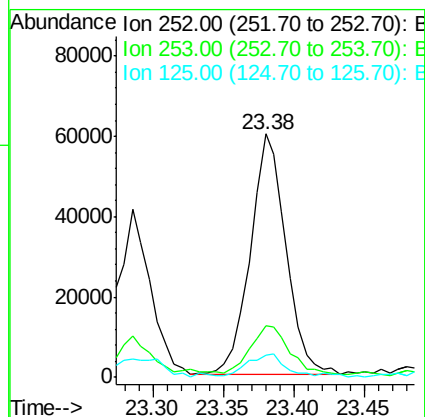
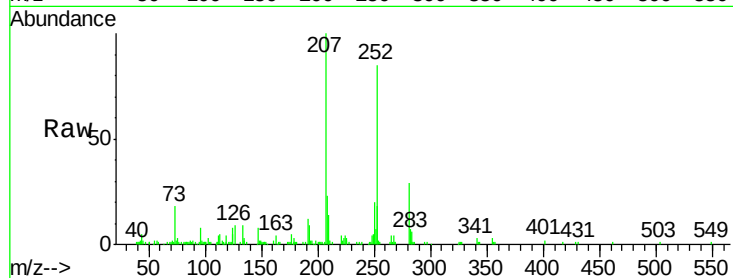
Acq: 19 Dec 2017 15:16

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	105941
Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	9.1	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.038 ng/ul

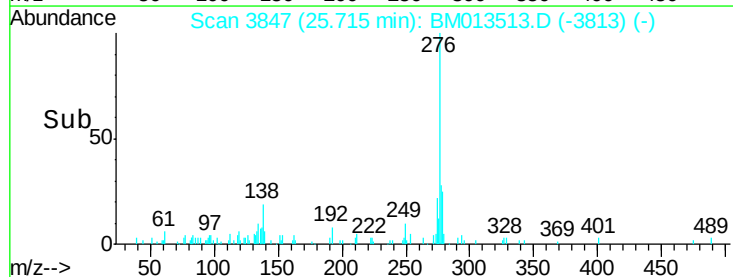
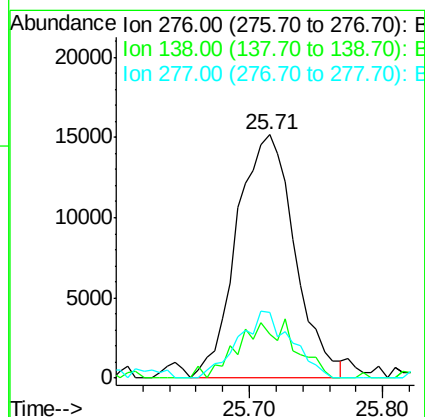
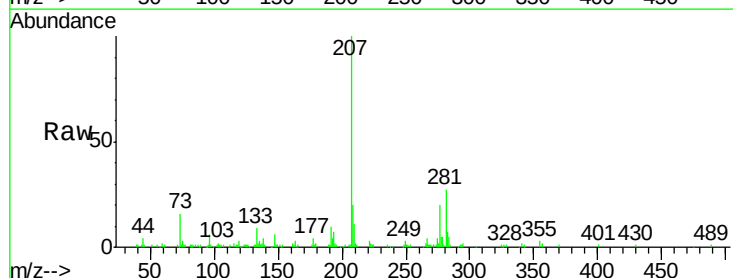
RT: 25.71 min Scan# 3847

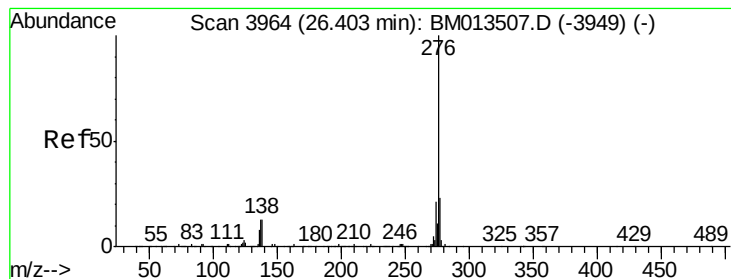
Delta R.T. 0.00 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

Tgt Ion:	276	Resp:	45736
Ion	Ratio	Lower	Upper
276	100		
138	17.9	9.3	13.9#
277	27.0	19.9	29.9





#91

Benzo(a,h,i)perylene

Concen: 1.157 ng/ul

RT: 26.39 min Scan# 3962

Delta R.T. -0.01 min

Lab File: BM013513.D

Acq: 19 Dec 2017 15:16

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 40216

Ion Ratio Lower Upper

276 100

138 13.8 8.5 12.7#

277 32.6 18.6 28.0#

