

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013437.D
 Acq On : 15 Dec 2017 13:45
 Operator : SJ/JU
 Sample : I6758-13MEDL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 14:16:08 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	182869	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	789827	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	482206	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1139703	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1224701	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1009796	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1550	0.42	ng/uL	0.00
5) Phenol-d5	6.86	99	29489	1.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	19641	2.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	25463	2.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	25396	1.88	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	14788	2.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	14149	2.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	25727	1.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	28888	2.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	104090	2.43	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	118092	2.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	6020	0.81	ng/ul	0.02
57) Fluorene-d10	15.32	176	87277	2.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	8627	1.20	ng/ul	0.00
70) Anthracene-d10	17.16	188	141262	2.47	ng/ul	0.00
76) Pyrene-d10	19.46	212	150116	2.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	112671	2.19	ng/ul	0.00

Target Compounds

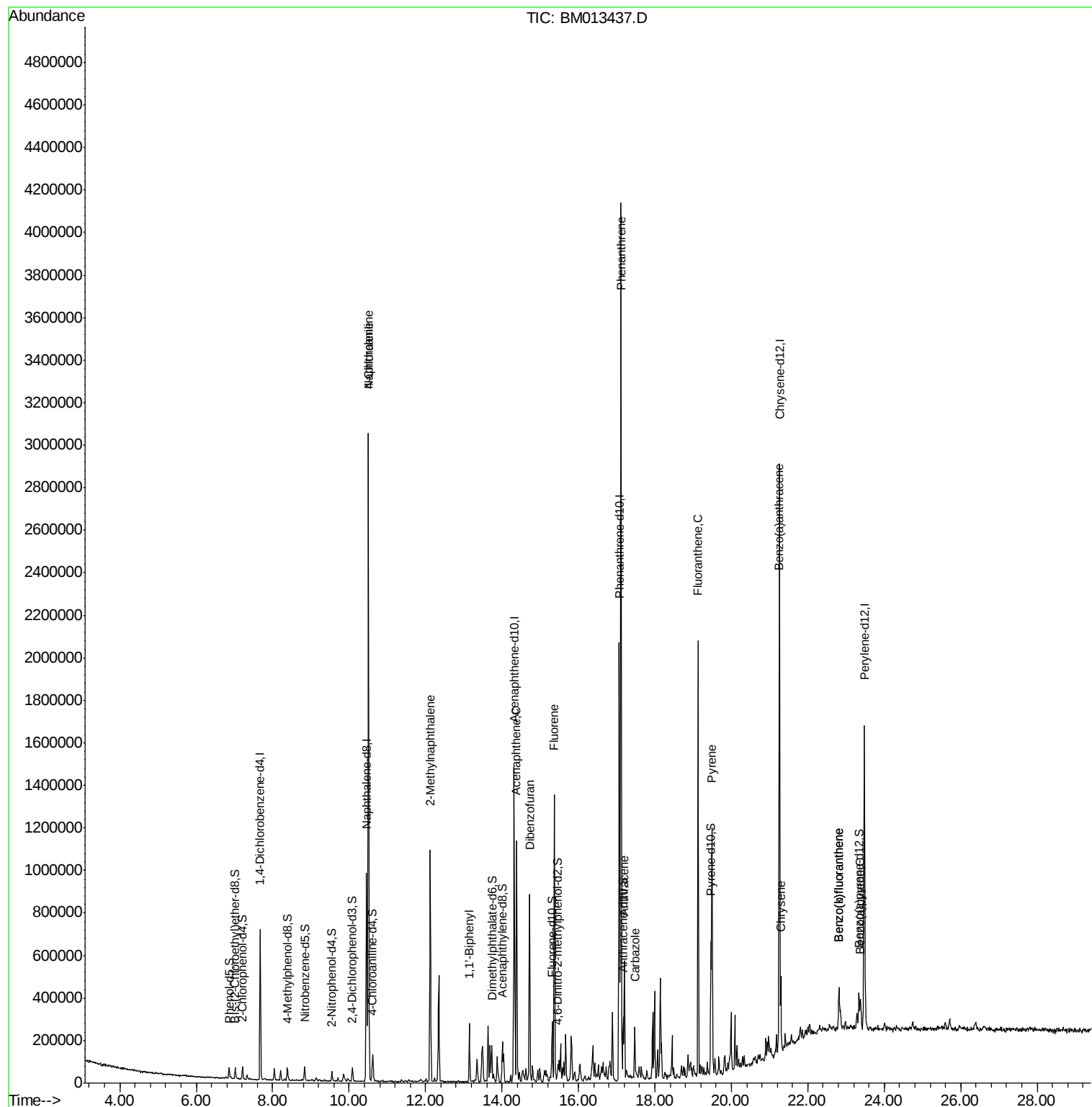
					Ovalue	
28) Naphthalene	10.50	128	2332765	57.407	ng/ul	100
30) 4-Chloroaniline	10.50	127	300210	24.424	ng/ul#	19
34) 2-Methylnaphthalene	12.12	142	488220	15.983	ng/ul	96
40) 1,1'-Biphenyl	13.15	154	135955	3.336	ng/ul	98
49) Acenaphthene	14.38	153	451619	13.529	ng/ul	99
53) Dibenzofuran	14.72	168	509919	10.347	ng/ul	99
58) Fluorene	15.37	166	548459	13.453	ng/ul	98
69) Phenanthrene	17.12	178	2483097	38.350	ng/ul	99
71) Anthracene	17.20	178	334382	5.052	ng/ul	99
72) Carbazole	17.47	167	130633	2.295	ng/ul	98
74) Fluoranthene	19.13	202	1216032	15.325	ng/ul#	95
77) Pyrene	19.49	202	754401	10.139	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	229627	2.955	ng/ul	96
82) Chrysene	21.29	228	193365	2.682	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	138661	2.037	ng/ul#	97
86) Benzo(k)fluoranthene	22.82	252	138661	2.165	ng/ul#	96
88) Benzo(a)pyrene	23.38	252	76773	1.256	ng/ul#	94

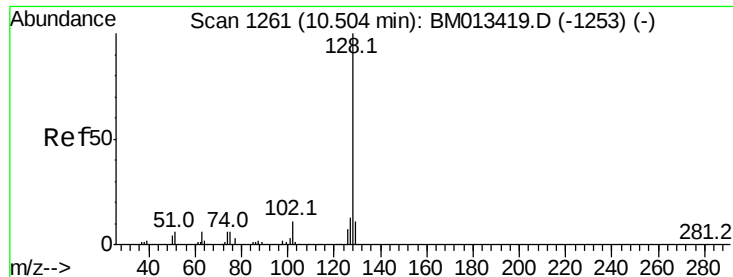
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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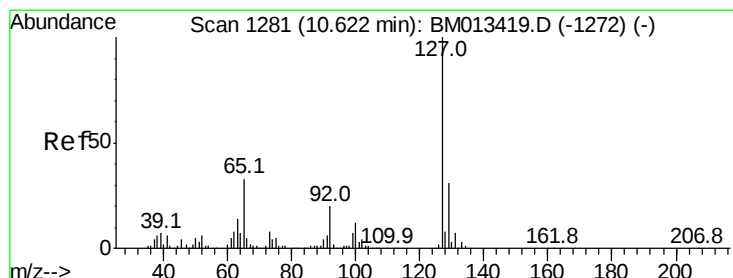
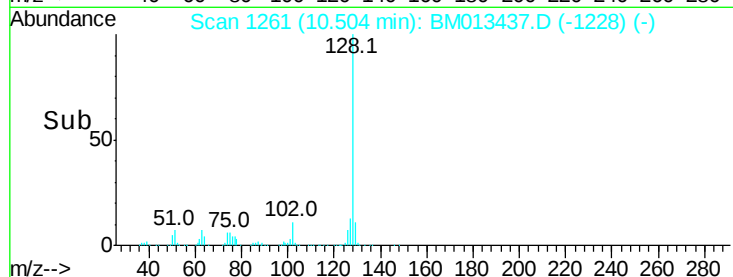
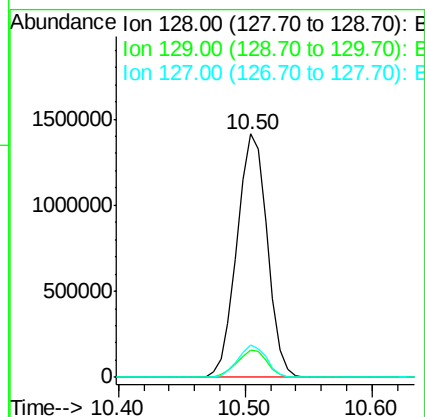
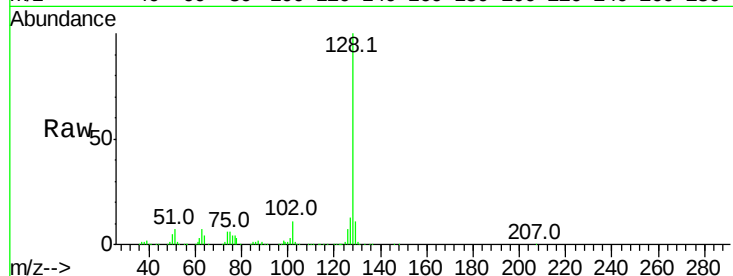




#28
Naphthalene
Concen: 57.407 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM013437.D
Acq: 15 Dec 2017 13:45

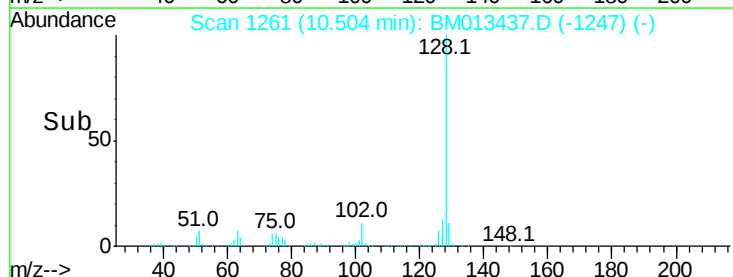
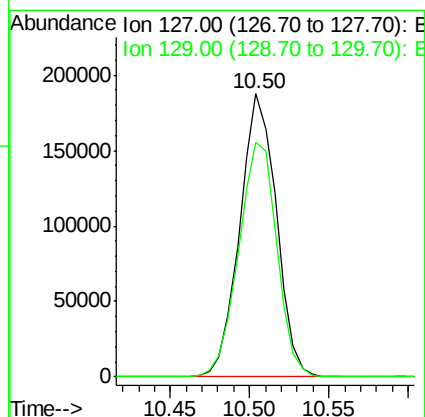
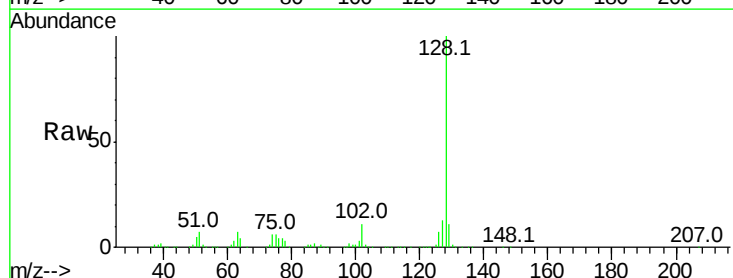
Instrument :
BNA_M
ClientSampleId :

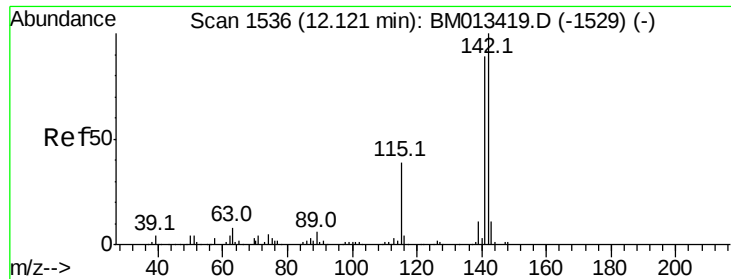
Tot Ion:128 Resp: 2332765
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.6 16.0



#30
4-Chloroaniline
Concen: 24.424 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013437.D
Acq: 15 Dec 2017 13:45

Tgt Ion:127 Resp: 300210
Ion Ratio Lower Upper
127 100
129 83.1 28.4 42.6#

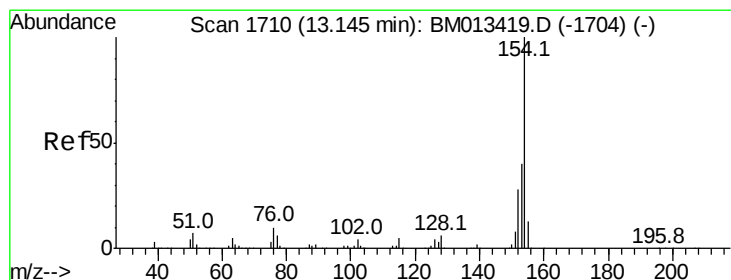
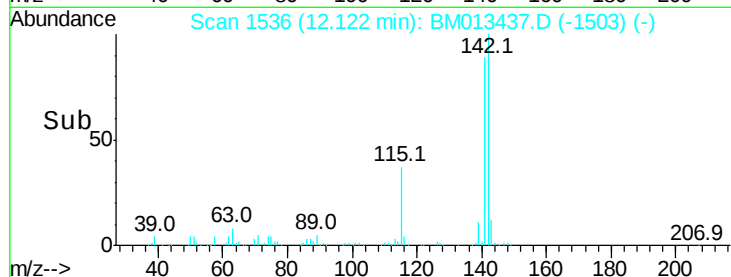
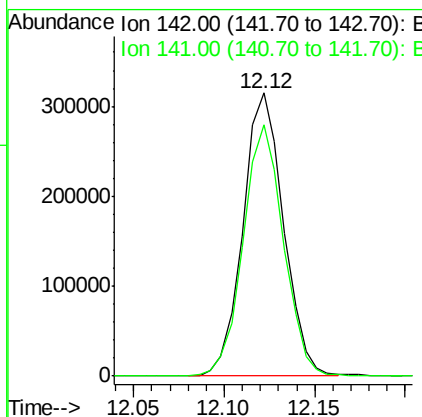
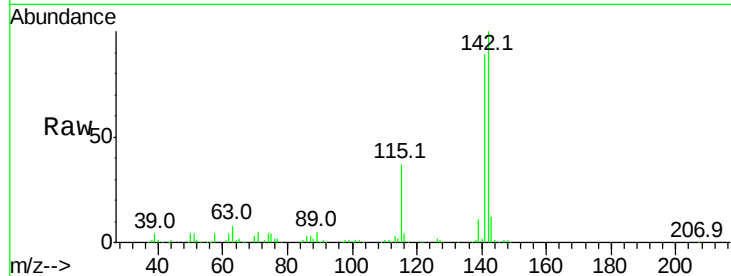




#34
 2-Methylnaphthalene
 Concen: 15.983 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BM013437.D
 Acq: 15 Dec 2017 13:45

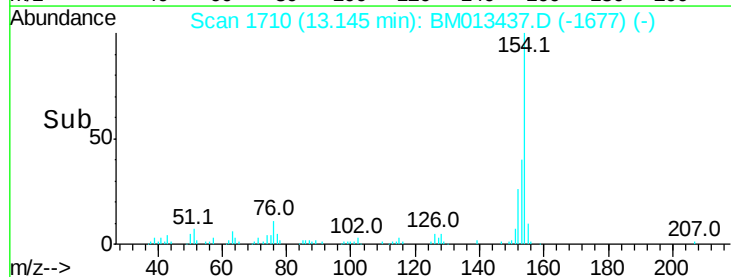
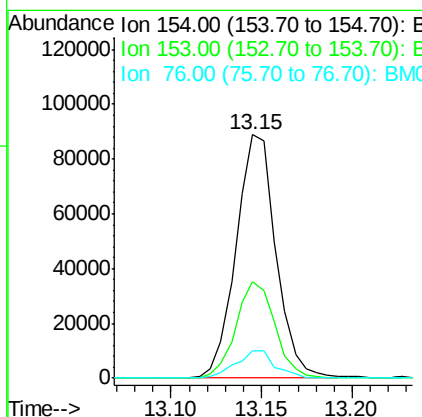
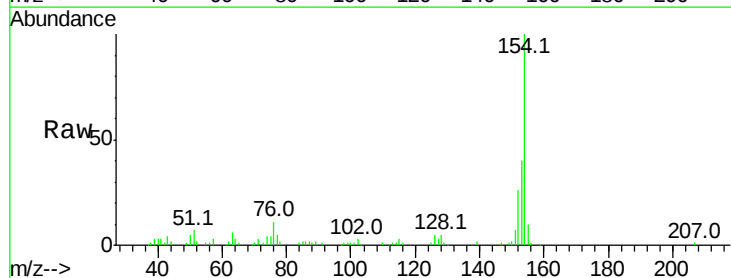
Instrument :
 BNA_M
 ClientSampleId :

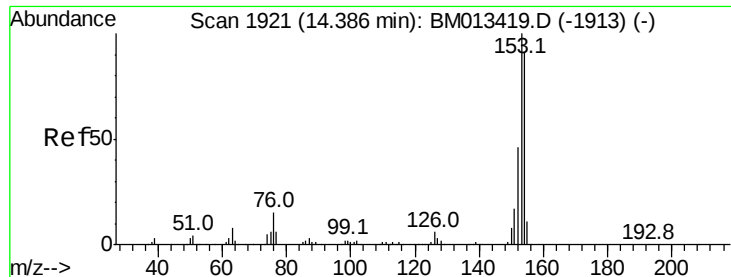
Tot Ion:142 Resp: 488220
 Ion Ratio Lower Upper
 142 100
 141 88.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 3.336 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM013437.D
 Acq: 15 Dec 2017 13:45

Tgt Ion:154 Resp: 135955
 Ion Ratio Lower Upper
 154 100
 153 39.7 32.6 48.8
 76 11.3 8.5 12.7





#49

Acenaphthene

Concen: 13.529 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampleId :

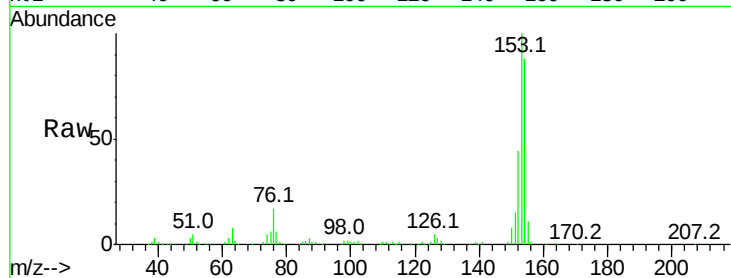
Tot Ion:153 Resp: 451619

Ion Ratio Lower Upper

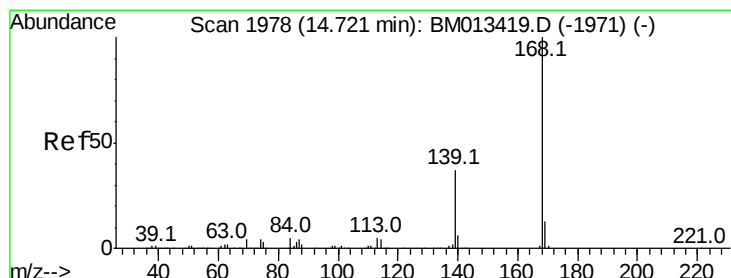
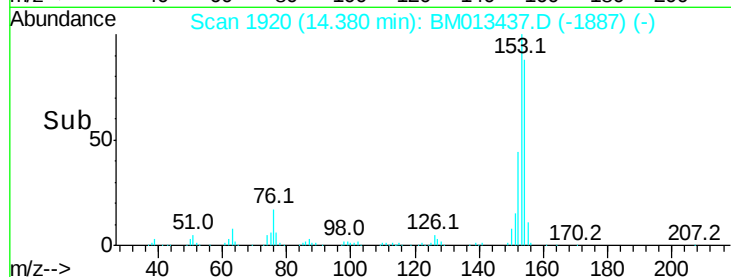
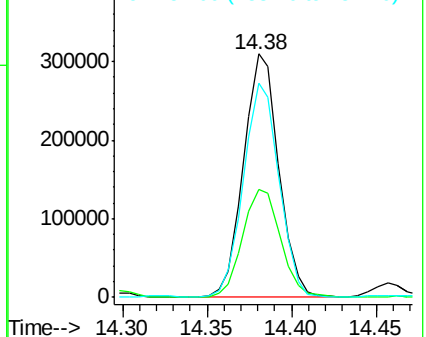
153 100

152 44.4 37.6 56.4

154 87.8 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: 10.347 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013437.D

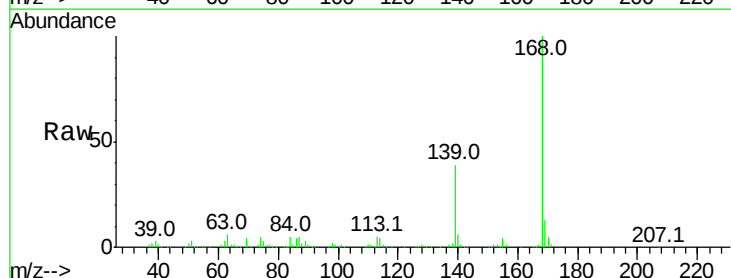
Acq: 15 Dec 2017 13:45

Tgt Ion:168 Resp: 509919

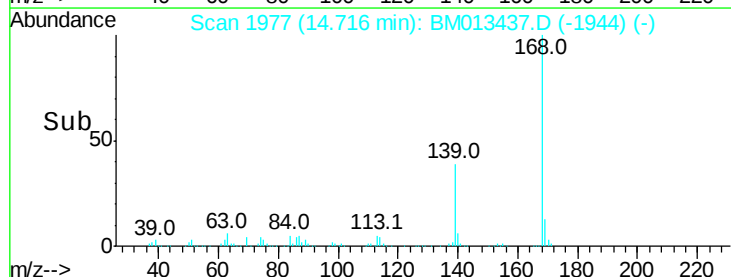
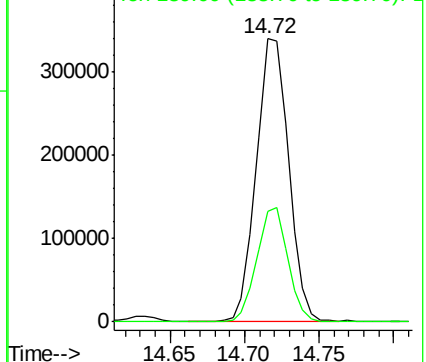
Ion Ratio Lower Upper

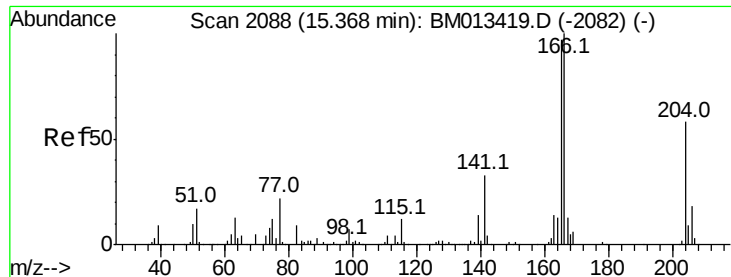
168 100

139 39.1 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: 13.453 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampled :

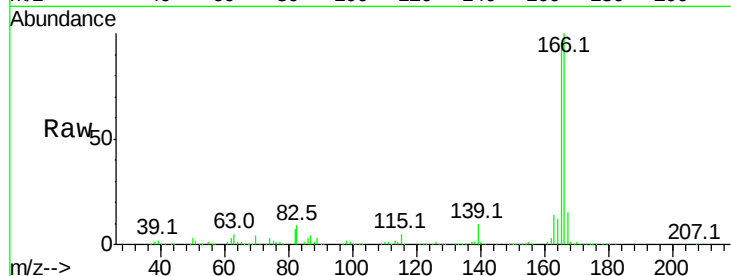
Tot Ion:166 Resp: 548459

Ion Ratio Lower Upper

166 100

165 95.9 77.9 116.9

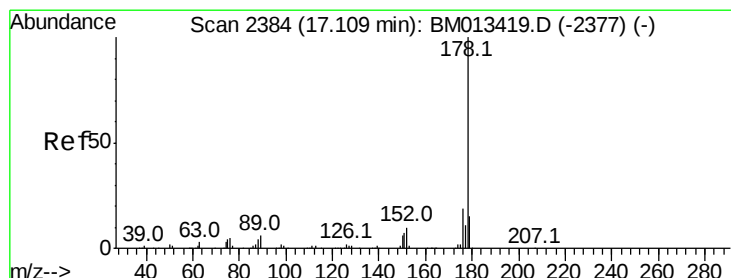
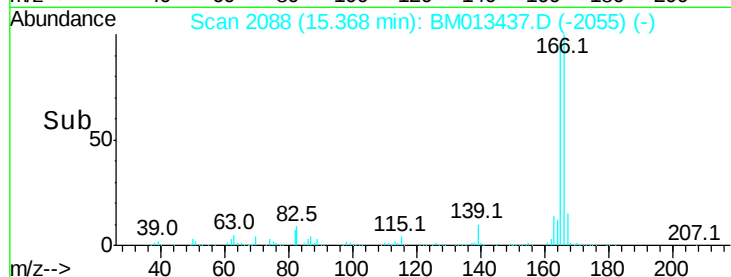
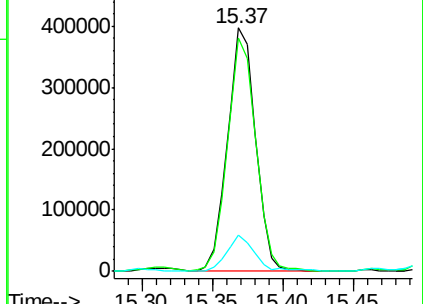
167 14.8 10.6 16.0



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: 38.350 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

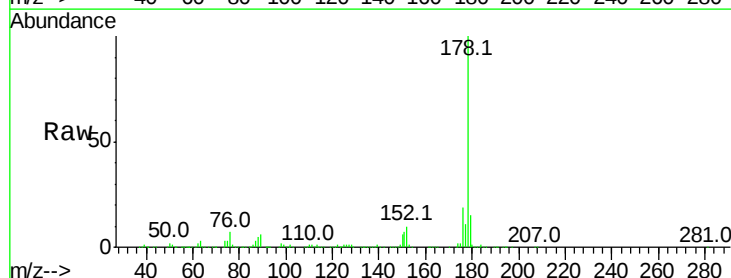
Tgt Ion:178 Resp: 2483097

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

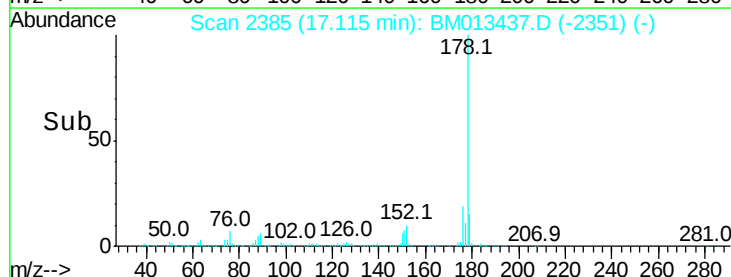
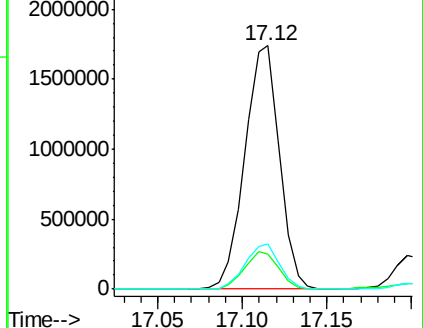
176 18.7 14.9 22.3

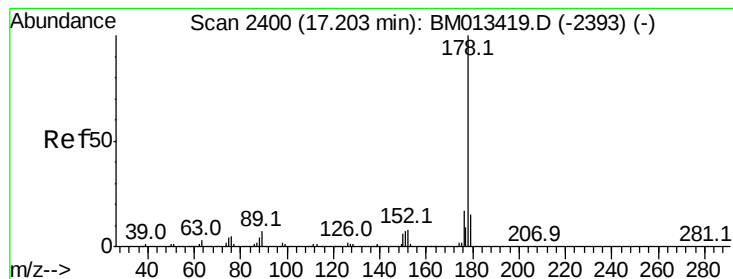


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 5.052 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampleId :

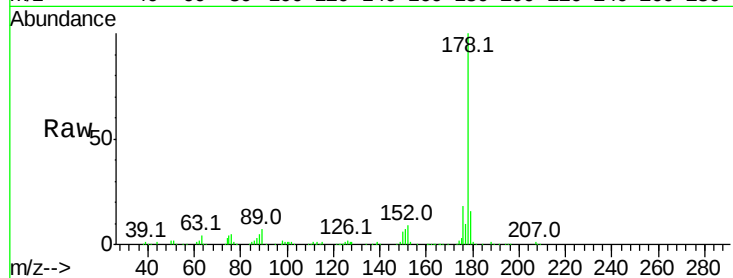
Tot Ion:178 Resp: 334382

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

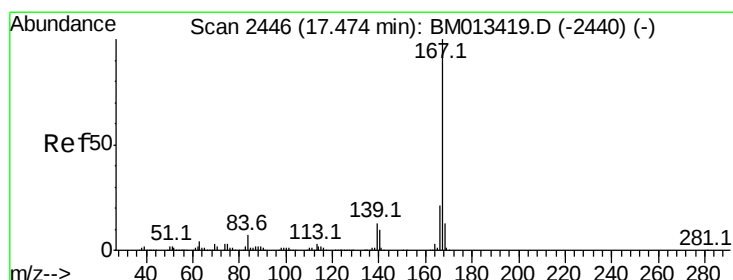
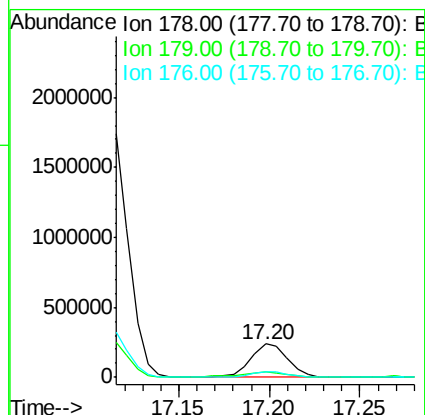
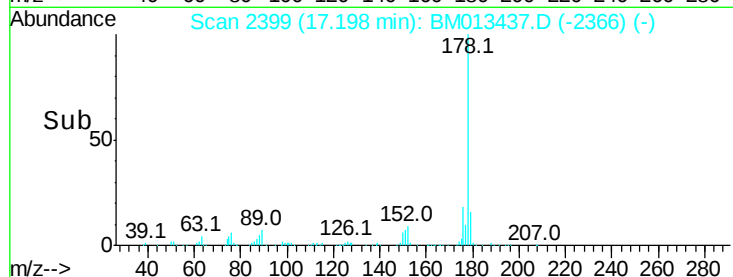
176 18.0 14.6 21.8



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: 2.295 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

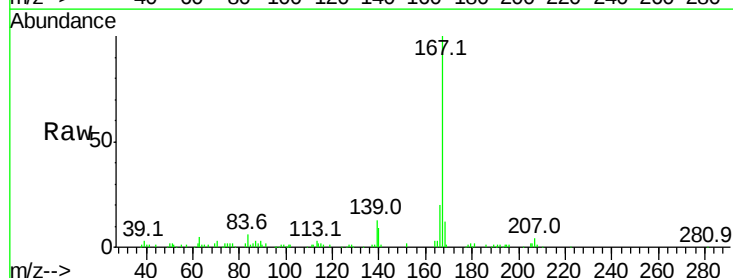
Tgt Ion:167 Resp: 130633

Ion Ratio Lower Upper

167 100

166 20.1 17.1 25.7

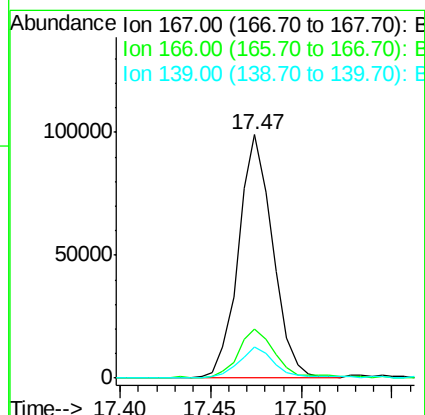
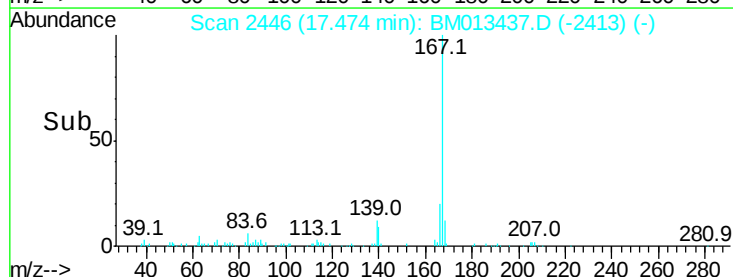
139 12.9 10.0 15.0

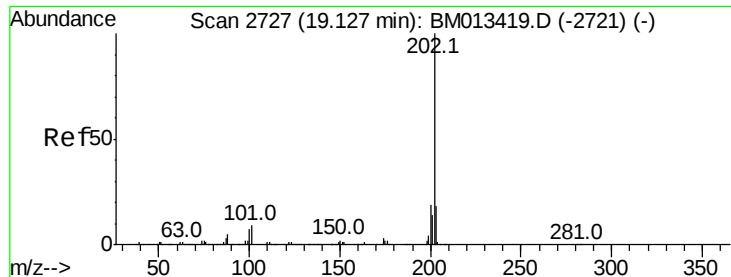


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

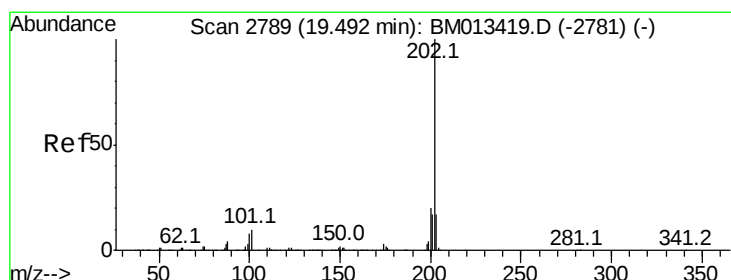
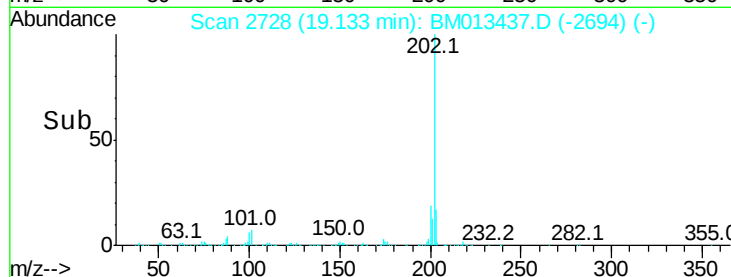
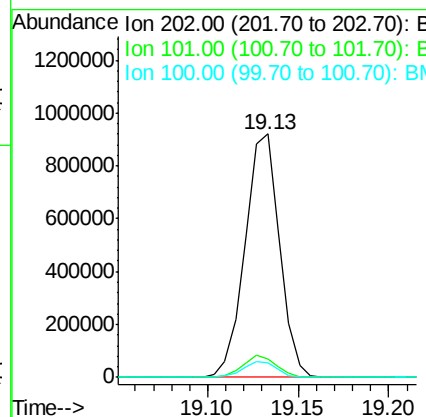
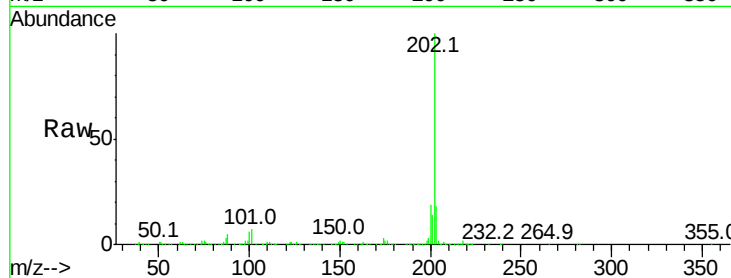




#74
 Fluoranthene
 Concen: 15.325 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. -0.00 min
 Lab File: BM013437.D
 Acq: 15 Dec 2017 13:45

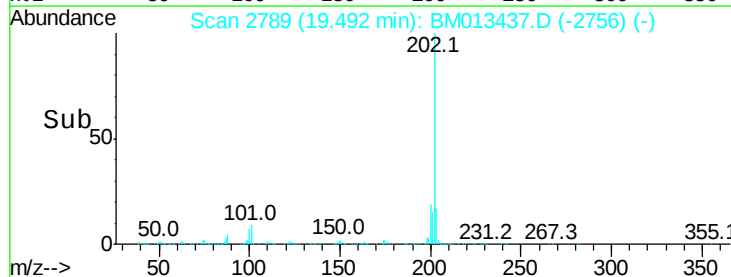
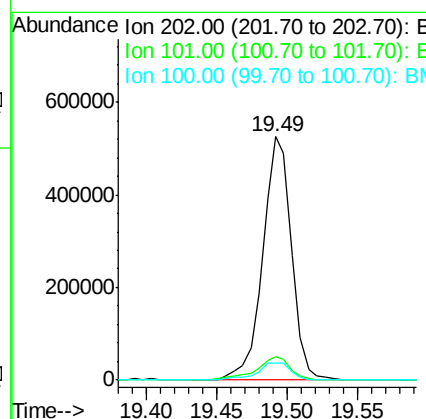
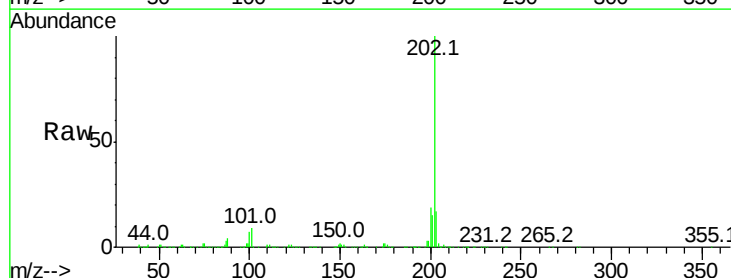
Instrument :
 BNA_M
 ClientSampleId :

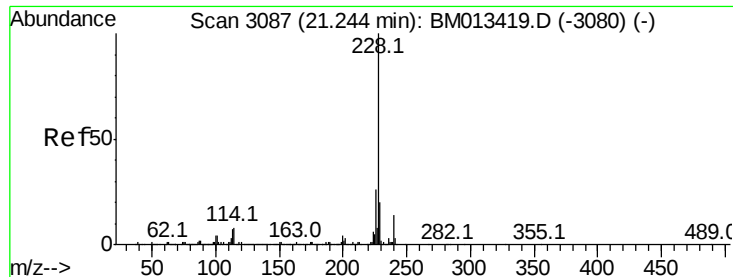
Tot Ion:202 Resp: 1216032
 Ion Ratio Lower Upper
 202 100
 101 7.5 4.6 7.0#
 100 6.2 3.4 5.2#



#77
 Pyrene
 Concen: 10.139 ng/ul
 RT: 19.49 min Scan# 2789
 Delta R.T. -0.01 min
 Lab File: BM013437.D
 Acq: 15 Dec 2017 13:45

Tgt Ion:202 Resp: 754401
 Ion Ratio Lower Upper
 202 100
 101 9.5 5.1 7.7#
 100 7.2 4.9 7.3





#80

Benzo(a)anthracene

Concen: 2.955 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampleId :

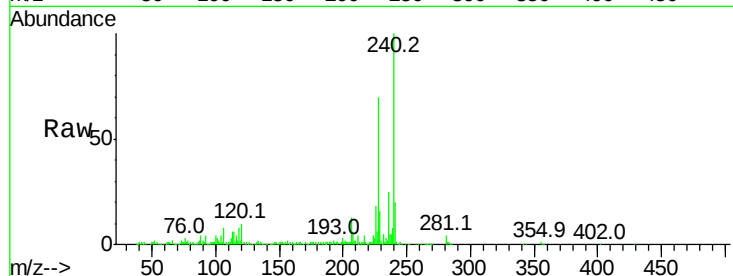
Tot Ion:228 Resp: 229627

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.4	23.0
226	25.9	21.4	32.0

228 100

229 22.2 15.4 23.0

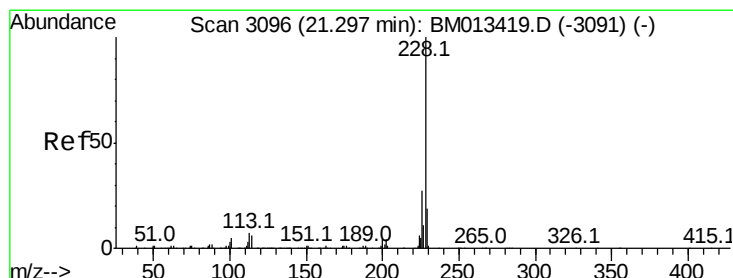
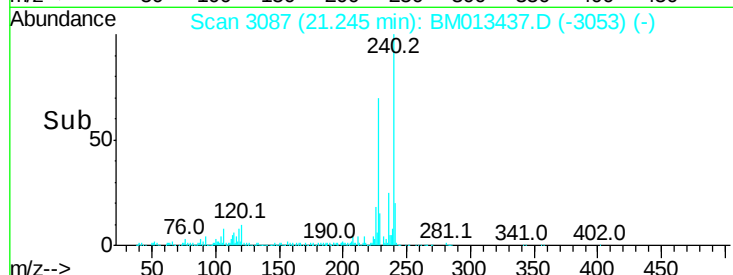
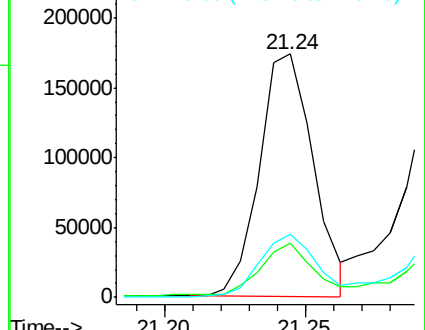
226 25.9 21.4 32.0



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: 2.682 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

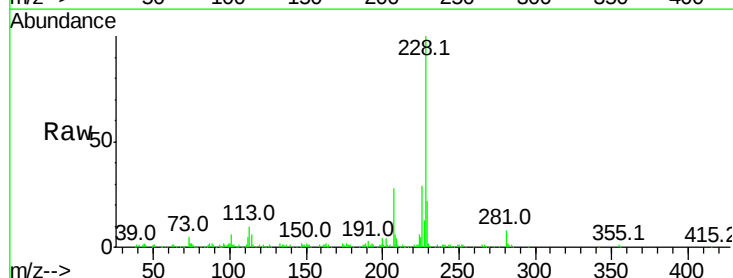
Tgt Ion:228 Resp: 193365

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	22.1	15.5	23.3

228 100

226 29.3 23.4 35.2

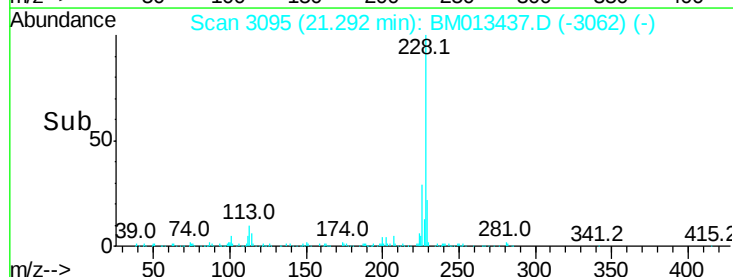
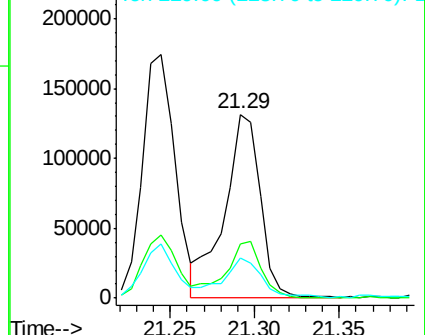
229 22.1 15.5 23.3

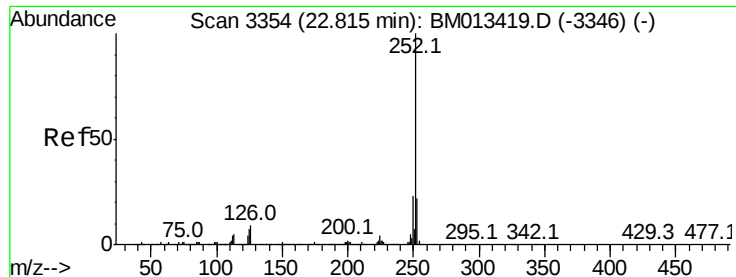


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.037 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM013437.D

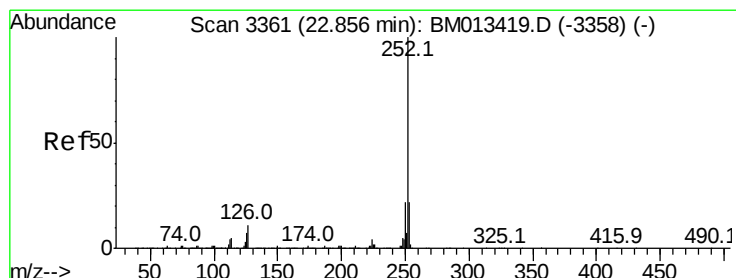
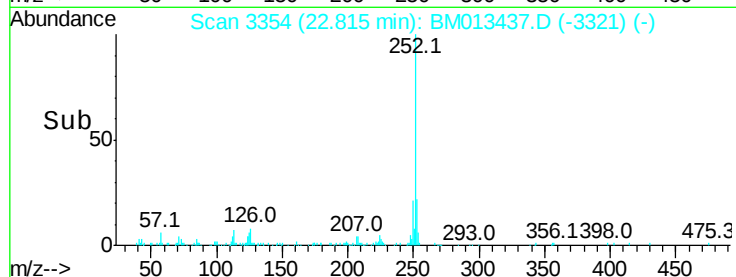
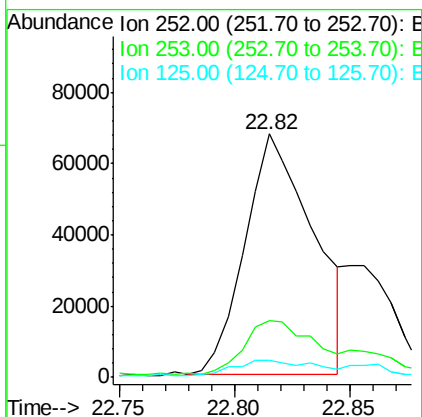
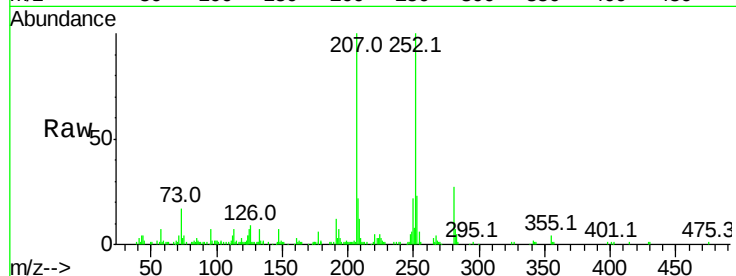
Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	138661
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.9 26.9
125	6.9	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 2.165 ng/ul

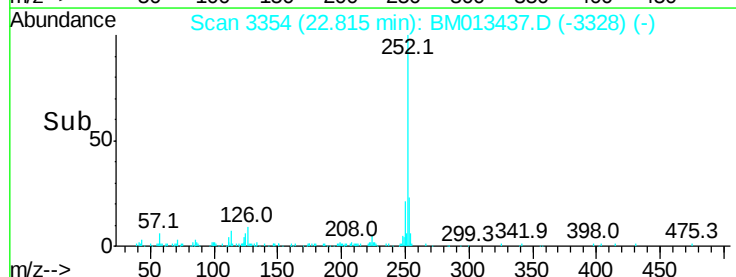
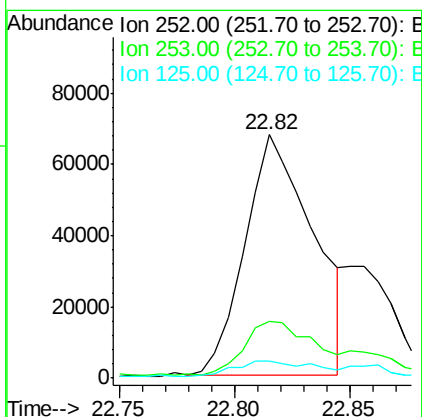
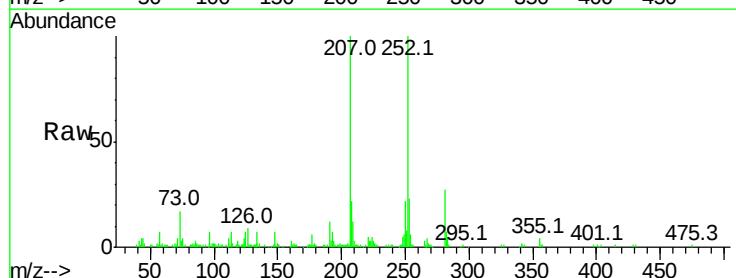
RT: 22.82 min Scan# 3354

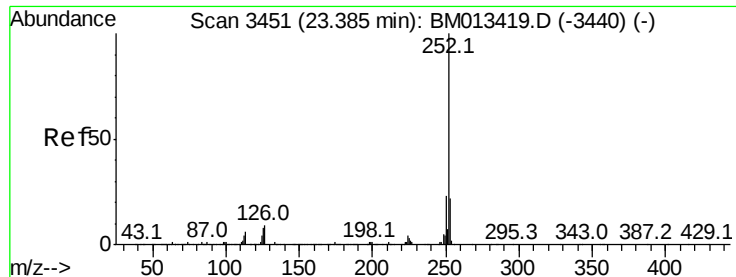
Delta R.T. -0.05 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Tgt Ion:252	Resp:	138661
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.1 25.7
125	6.9	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 1.256 ng/ul

RT: 23.38 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BM013437.D

Acq: 15 Dec 2017 13:45

Instrument :

BNA_M

ClientSampleId :

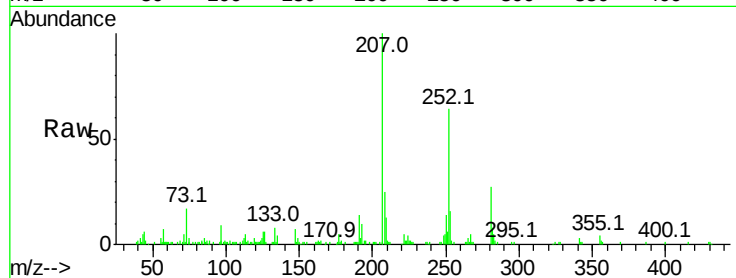
Tot Ion:252 Resp: 76773

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 9.5 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

