

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013396.D
 Acq On : 14 Dec 2017 04:29
 Operator : SJ/JU
 Sample : I6759-11ME 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 14 06:04:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 06:00:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	140262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	606771	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	378121	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	942979	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1163378	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1093394	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	665	0.23	ng/uL	0.00
5) Phenol-d5	6.86	99	20036	1.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14332	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	18407	1.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	18190	1.75	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	10188	2.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	9898	1.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	17895	1.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	19180	1.97	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	78369	2.33	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	91140	2.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	5571	0.95	ng/ul	0.02
57) Fluorene-d10	15.32	176	66427	2.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	5126	0.86	ng/ul	0.00
70) Anthracene-d10	17.17	188	114967	2.43	ng/ul	0.00
76) Pyrene-d10	19.47	212	135371	2.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	125617	2.26	ng/ul	0.00

Target Compounds

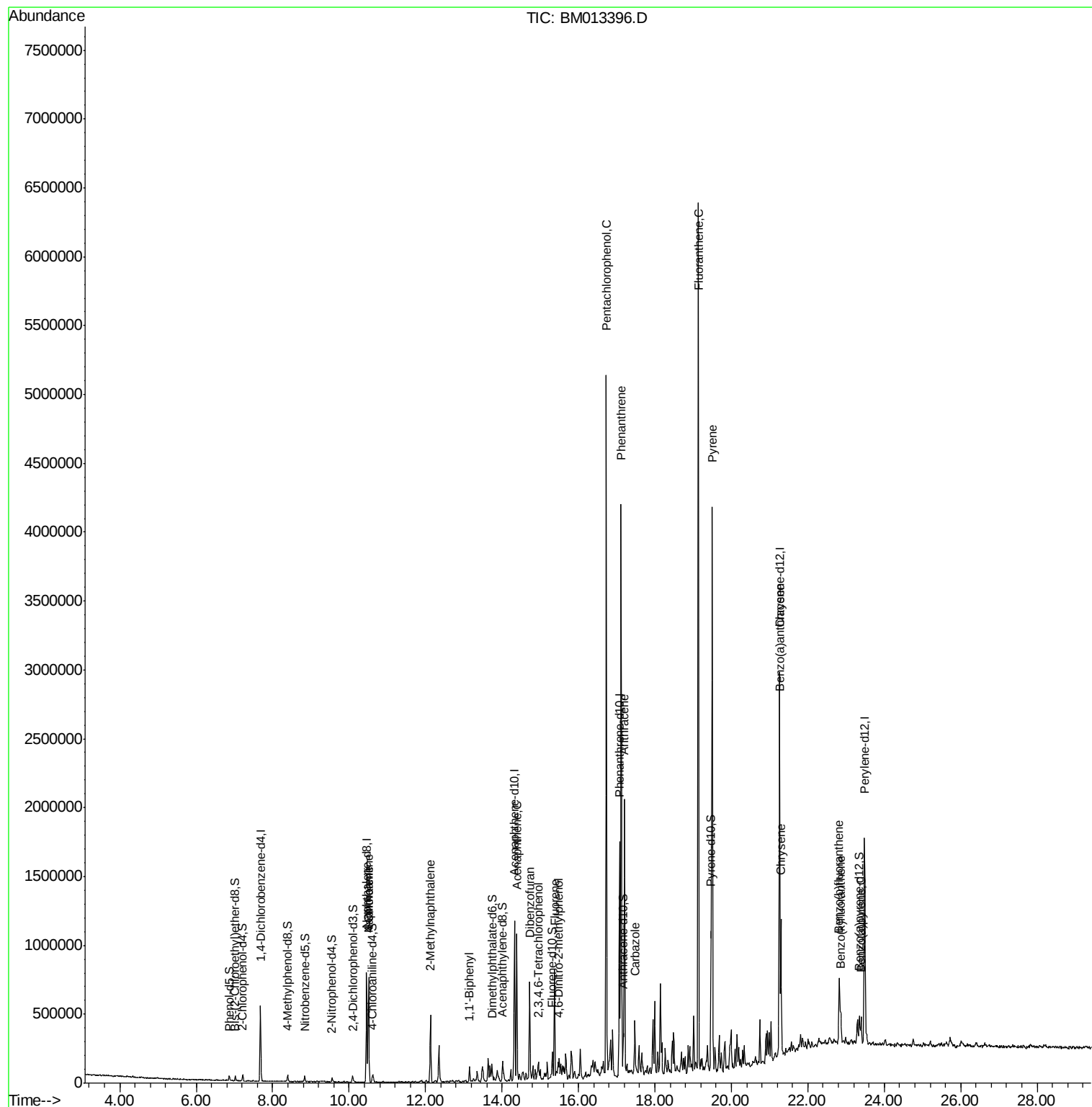
					Ovalue	
28) Naphthalene	10.51	128	581827	18.638	ng/ul	99
30) 4-Chloroaniline	10.51	127	73102	7.741	ng/ul#	15
34) 2-Methylnaphthalene	12.13	142	210625	8.975	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	34116	1.068	ng/ul	97
49) Acenaphthene	14.39	153	406067	15.513	ng/ul	98
53) Dibenzofuran	14.72	168	376812	9.751	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.96	232	13477	1.627	ng/ul#	88
58) Fluorene	15.37	166	322243	10.080	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.47	198	9823	1.657	ng/ul#	85
68) Pentachlorophenol	16.73	266	773451	109.394	ng/ul	97
69) Phenanthrene	17.12	178	2393598	44.680	ng/ul	100
71) Anthracene	17.20	178	1248271	22.795	ng/ul	98
72) Carbazole	17.48	167	206860	4.392	ng/ul	96
74) Fluoranthene	19.14	202	3705391	56.440	ng/ul#	94
77) Pyrene	19.50	202	2557197	36.181	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	525289	7.116	ng/ul	97
82) Chrysene	21.30	228	563143	8.223	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	359654	4.879	ng/ul#	95
86) Benzo(k)fluoranthene	22.86	252	118890	1.714	ng/ul#	92
88) Benzo(a)pyrene	23.39	252	123947	1.872	ng/ul#	99

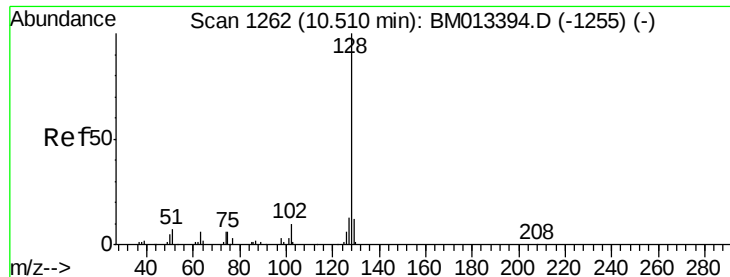
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 18.638 ng/ul

RT: 10.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

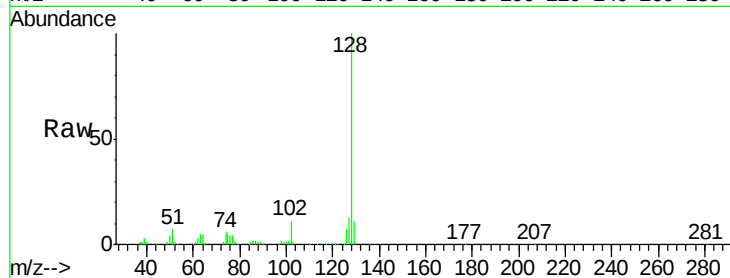
Tot Ion:128 Resp: 581827

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

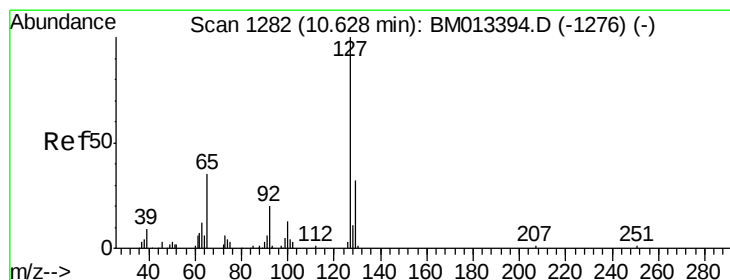
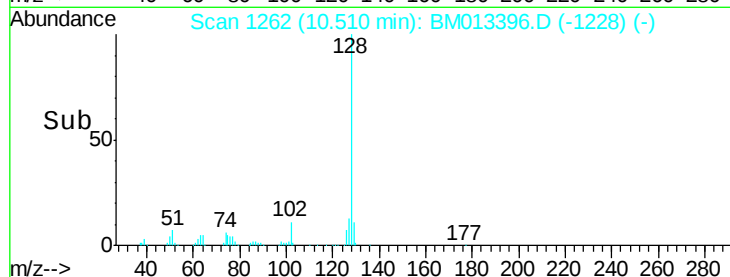
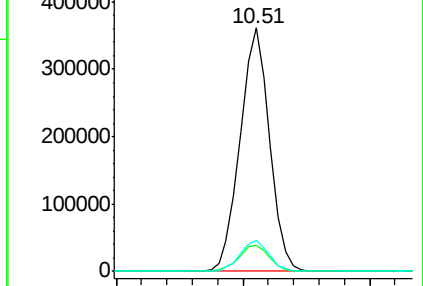
127 12.7 10.6 16.0



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: 7.741 ng/ul

RT: 10.51 min Scan# 1262

Delta R.T. -0.12 min

Lab File: BM013396.D

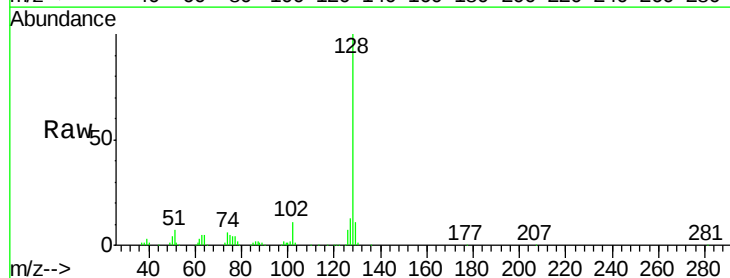
Acq: 14 Dec 2017 04:29

Tgt Ion:127 Resp: 73102

Ion Ratio Lower Upper

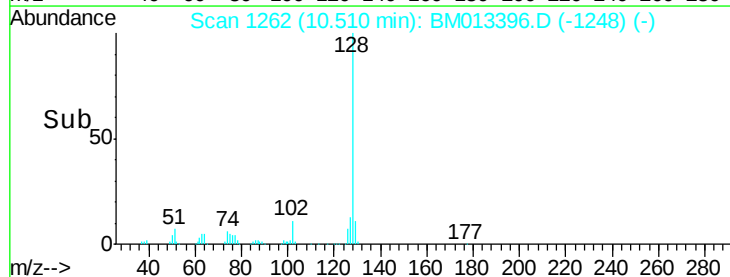
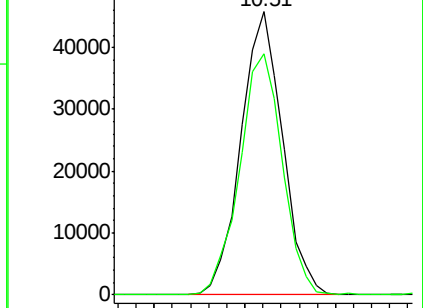
127 100

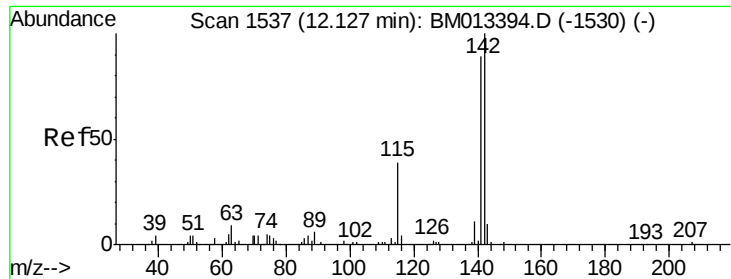
129 85.0 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

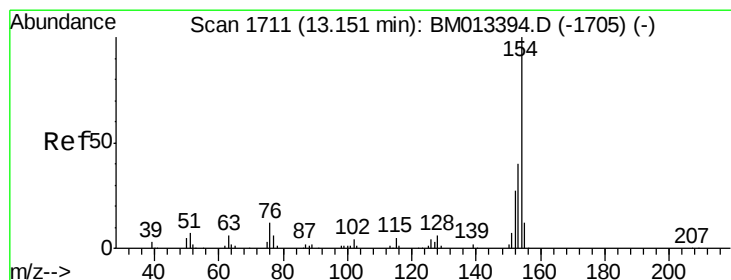
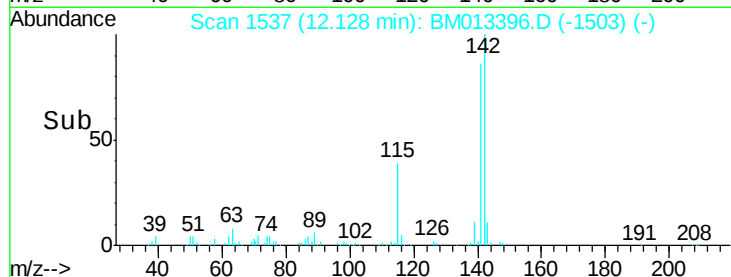
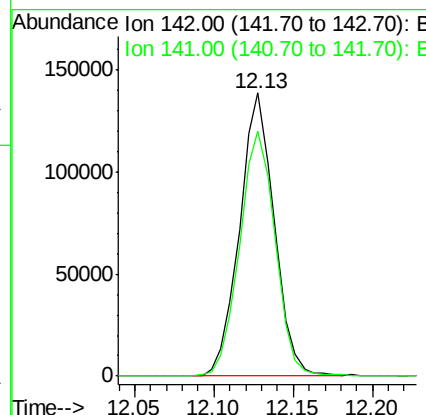
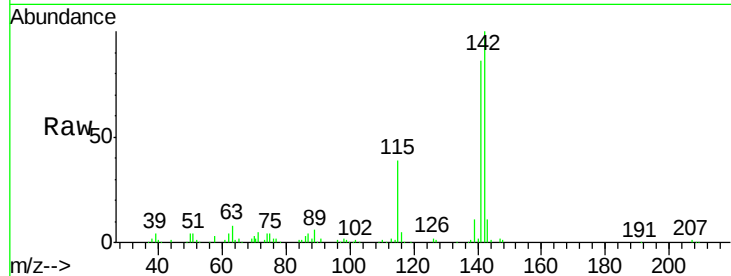




#34
 2-Methylnaphthalene
 Concen: 8.975 ng/ul
 RT: 12.13 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

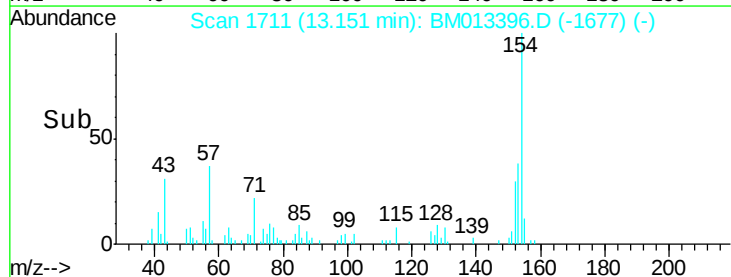
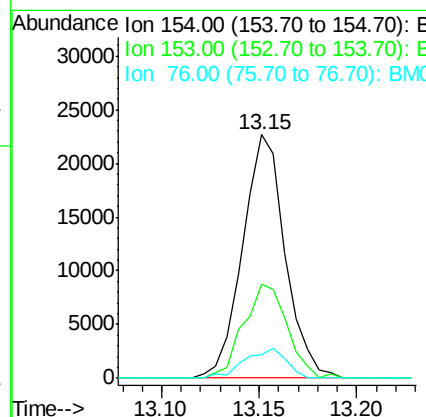
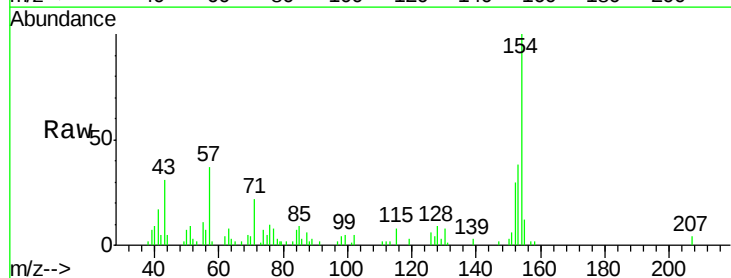
Instrument :
 BNA_M
 ClientSampleId :

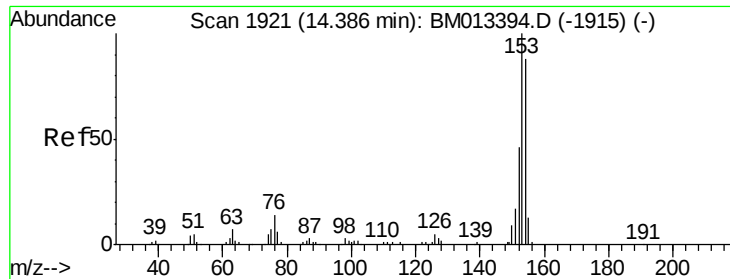
Tot Ion:142 Resp: 210625
 Ion Ratio Lower Upper
 142 100
 141 86.4 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.068 ng/ul
 RT: 13.15 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

Tgt Ion:154 Resp: 34116
 Ion Ratio Lower Upper
 154 100
 153 38.3 32.6 48.8
 76 9.8 8.5 12.7





#49

Acenaphthene

Concen: 15.513 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

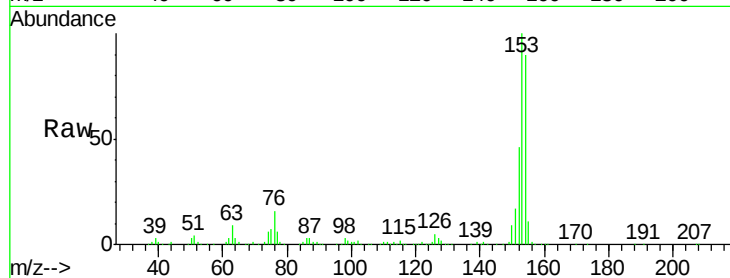
Tot Ion:153 Resp: 406067

Ion Ratio Lower Upper

153 100

152 46.1 37.6 56.4

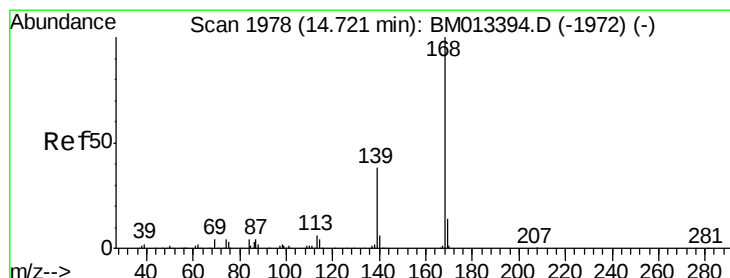
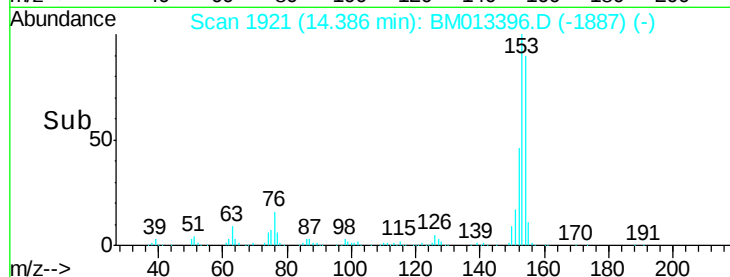
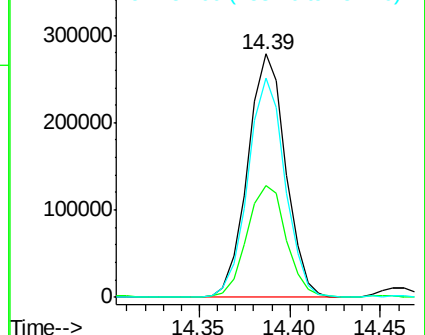
154 90.1 70.4 105.6



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: 9.751 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM013396.D

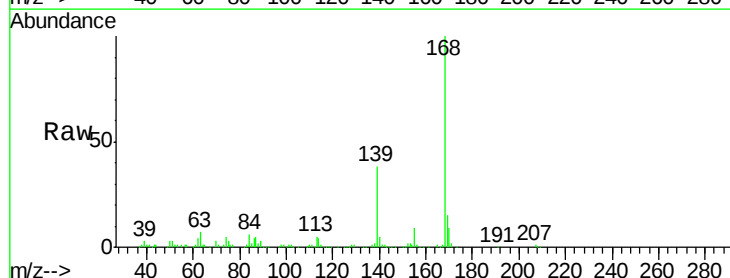
Acq: 14 Dec 2017 04:29

Tgt Ion:168 Resp: 376812

Ion Ratio Lower Upper

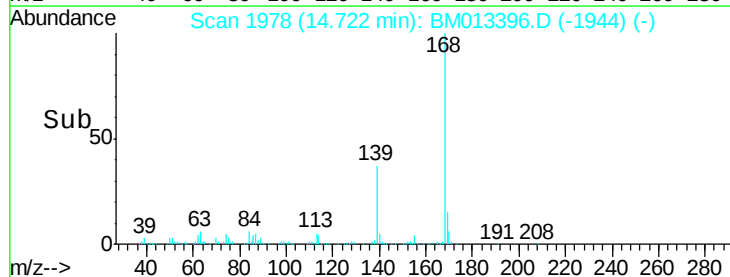
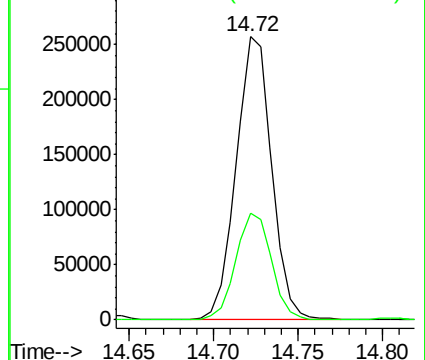
168 100

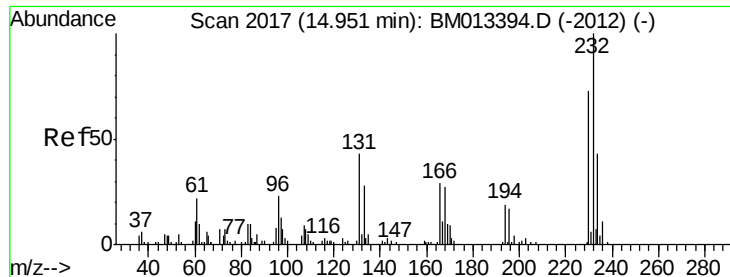
139 37.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 1.627 ng/ul

RT: 14.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion:232 Resp: 13477

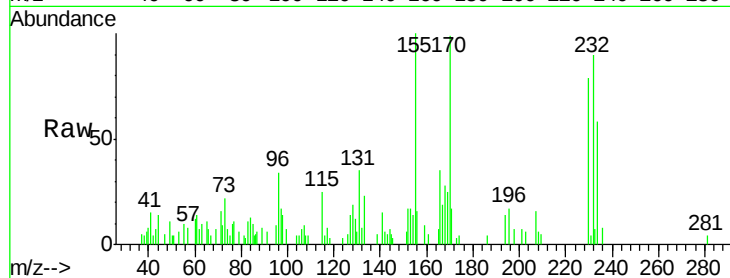
Ion Ratio Lower Upper

232 100

131 38.5 29.0 43.4

130 6.6 2.0 3.0#

166 39.1 21.4 32.2#

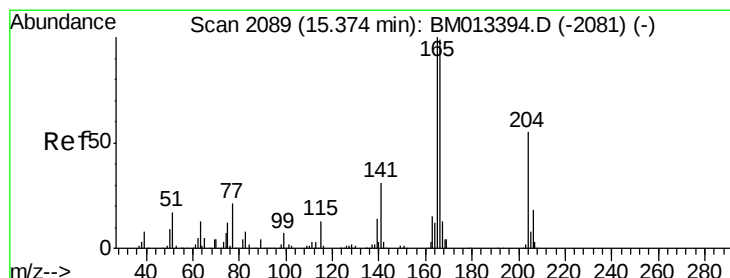
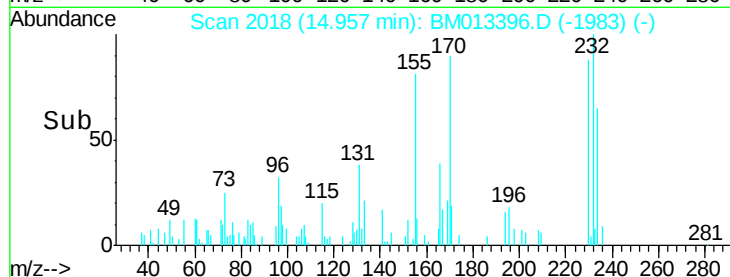
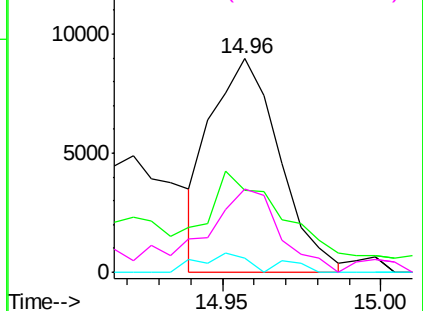


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58

Fluorene

Concen: 10.080 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

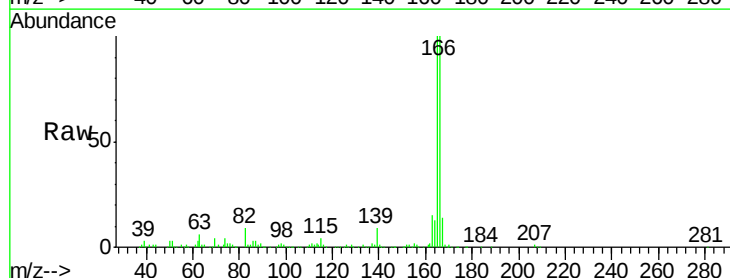
Tgt Ion:166 Resp: 322243

Ion Ratio Lower Upper

166 100

165 99.5 77.9 116.9

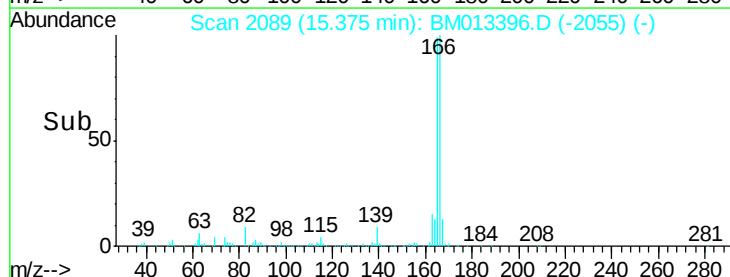
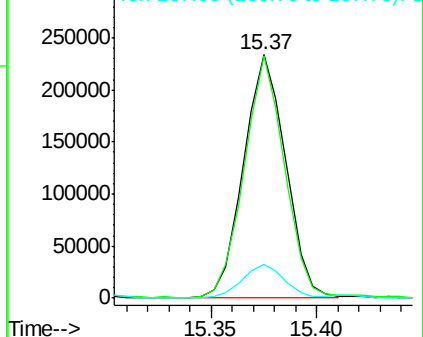
167 13.8 10.6 16.0

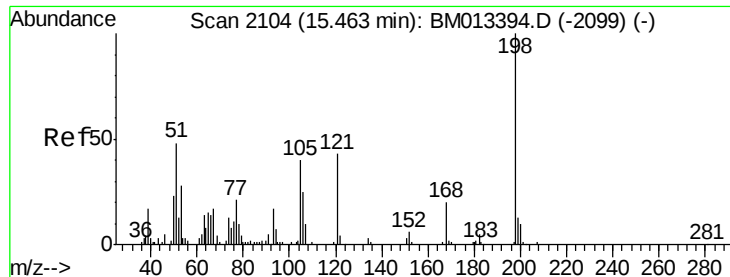


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

4,6-Dinitro-2-methylphenol

Concen: 1.657 ng/ul

RT: 15.47 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

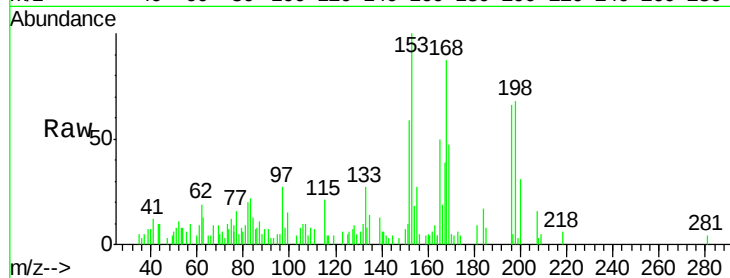
Tot Ion:198 Resp: 9823

Ion Ratio Lower Upper

198 100

182 0.0 3.8 5.6#

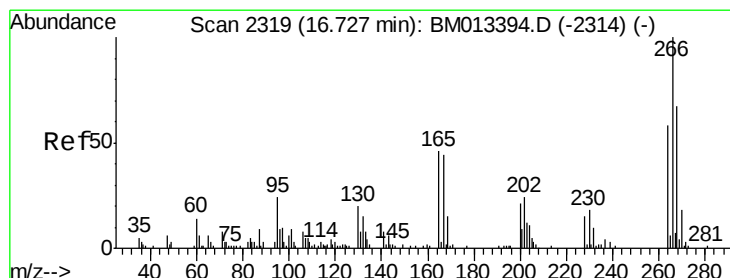
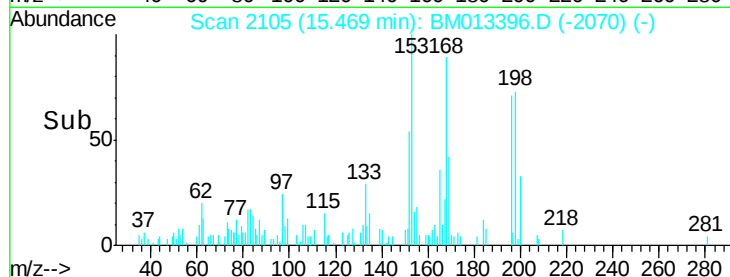
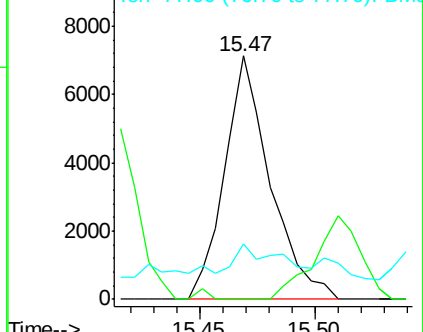
77 22.9 25.2 37.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): E



#68

Pentachlorophenol

Concen: 109.394 ng/ul

RT: 16.73 min Scan# 2319

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

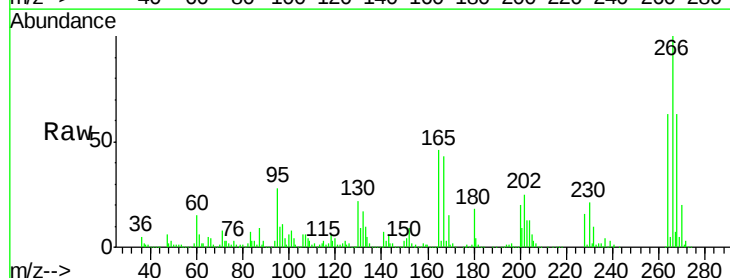
Tgt Ion:266 Resp: 773451

Ion Ratio Lower Upper

266 100

264 62.5 49.3 73.9

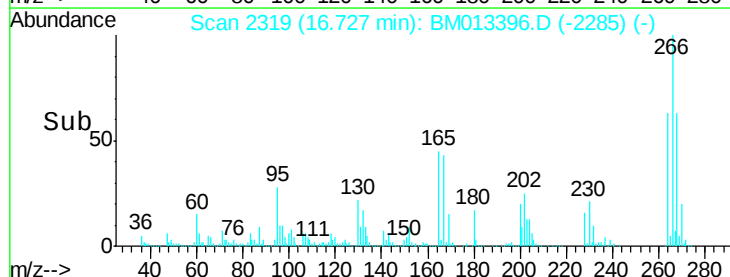
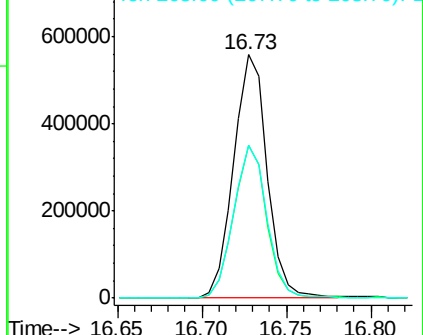
268 62.5 52.6 78.8

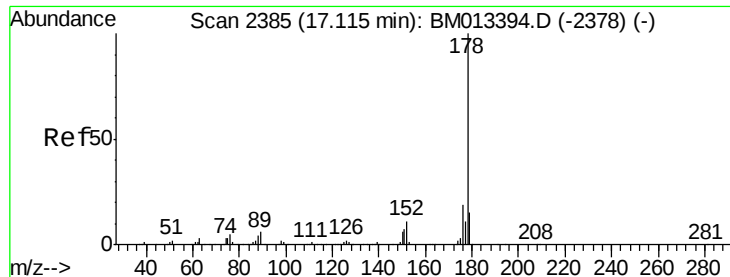


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 44.680 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

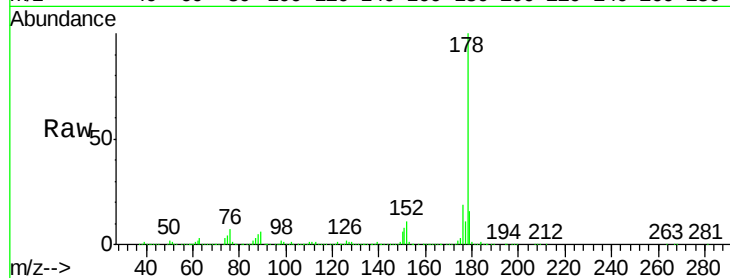
Tot Ion:178 Resp: 2393598

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

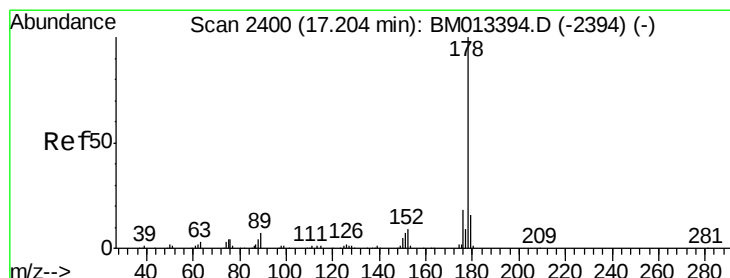
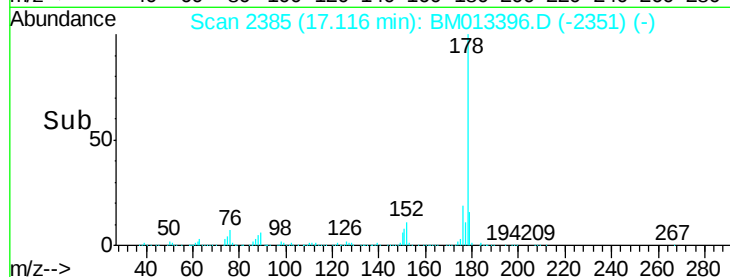
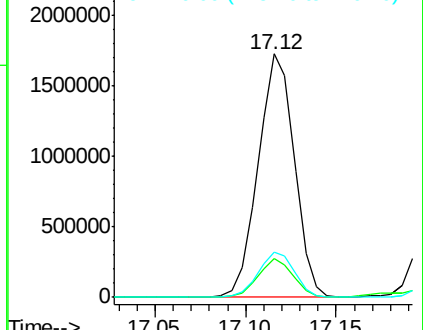
176 18.8 14.9 22.3



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: 22.795 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

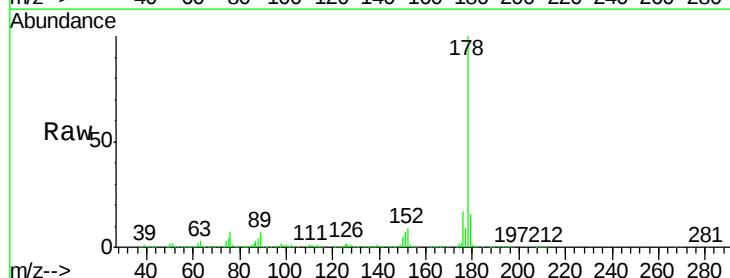
Tgt Ion:178 Resp: 1248271

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

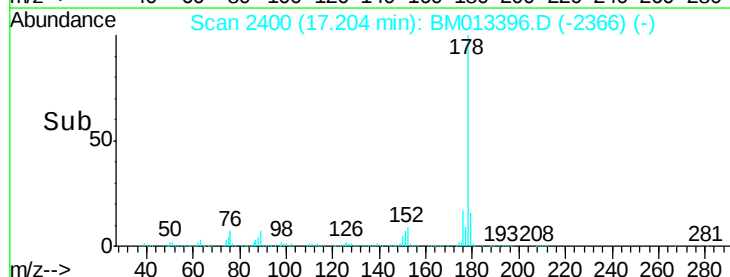
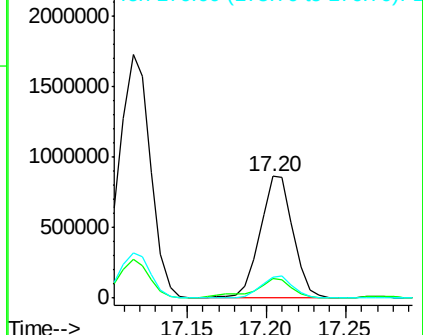
176 17.2 14.6 21.8

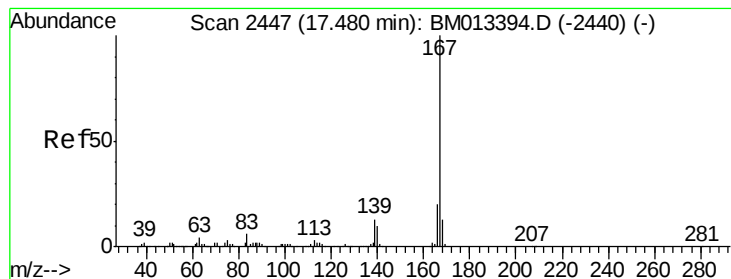


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 4.392 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

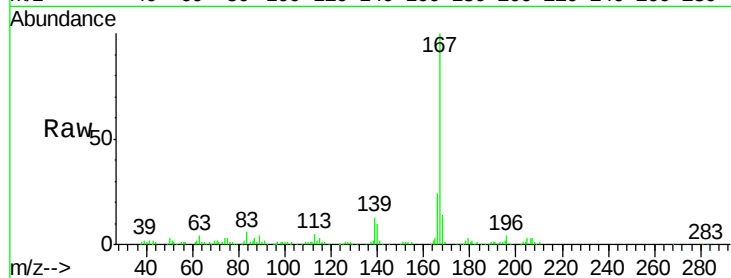
Tot Ion:167 Resp: 206860

Ion Ratio Lower Upper

167 100

166 24.2 17.1 25.7

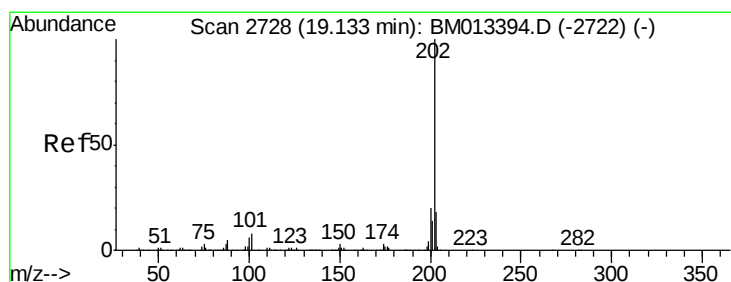
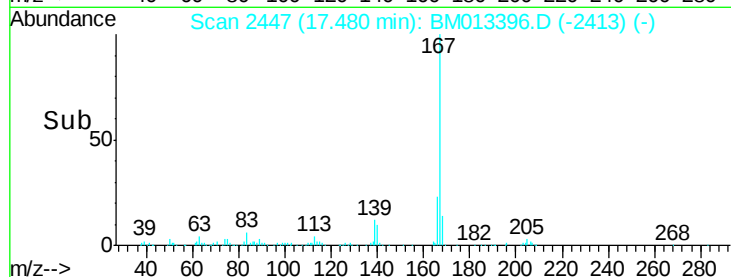
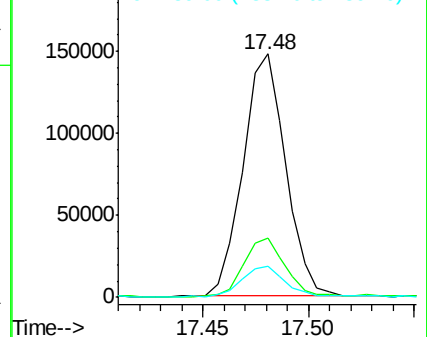
139 12.6 10.0 15.0



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: 56.440 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

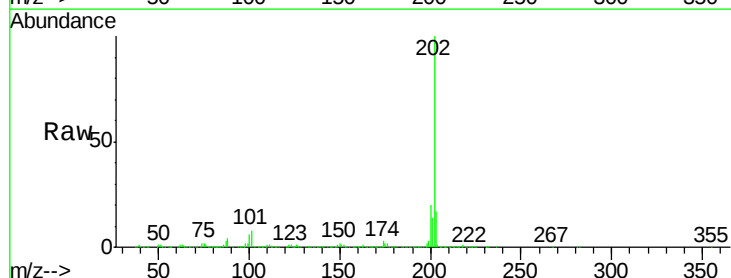
Tgt Ion:202 Resp: 3705391

Ion Ratio Lower Upper

202 100

101 7.9 4.6 7.0#

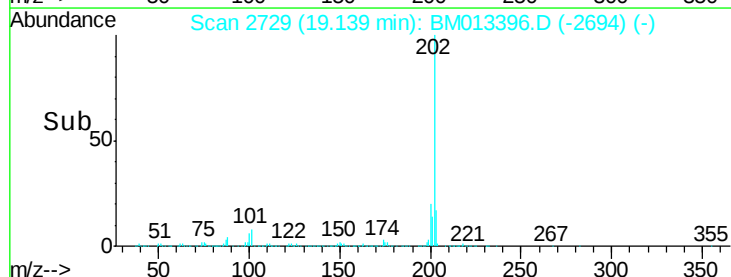
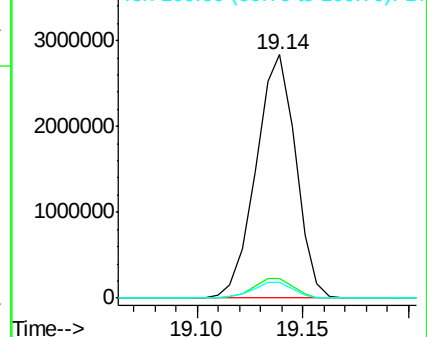
100 6.5 3.4 5.2#

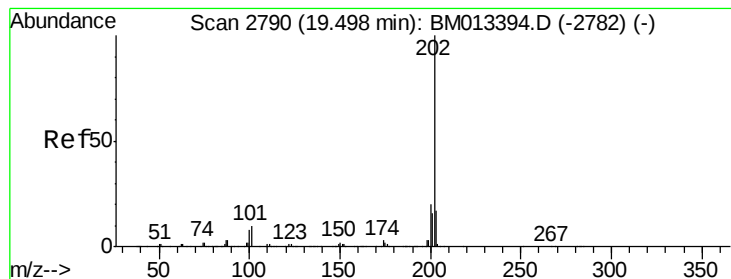


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 36.181 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

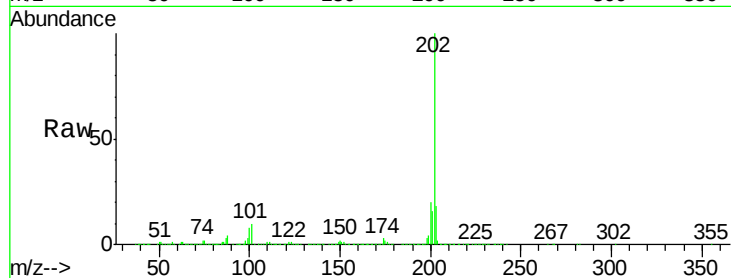
Tot Ion:202 Resp: 2557197

Ion Ratio Lower Upper

202 100

101 10.0 5.1 7.7#

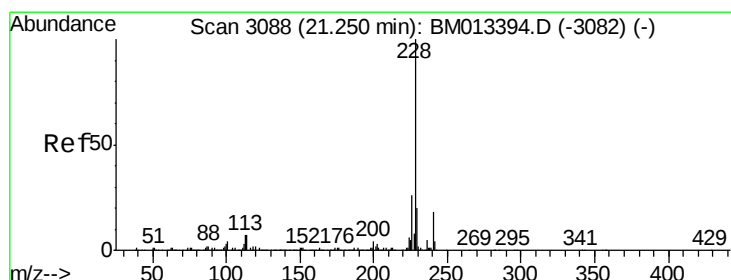
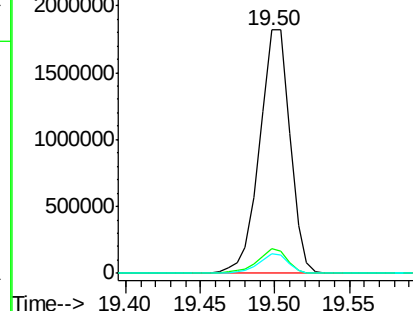
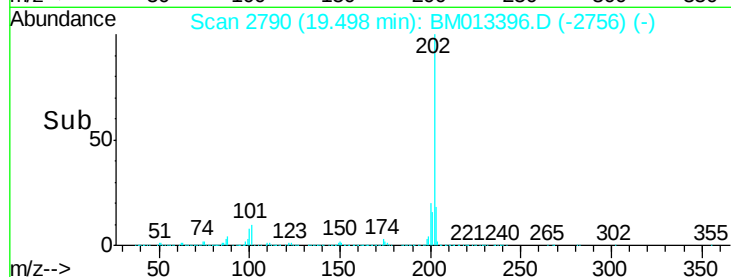
100 8.1 4.9 7.3#



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: 7.116 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

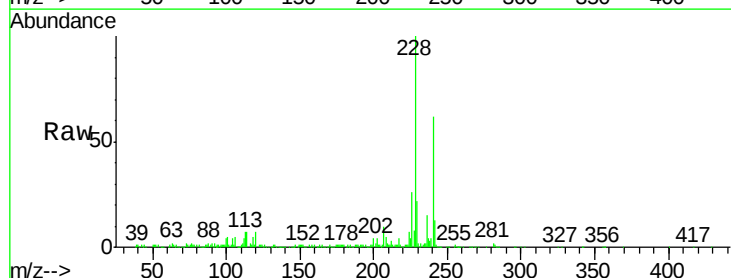
Tgt Ion:228 Resp: 525289

Ion Ratio Lower Upper

228 100

229 22.1 15.4 23.0

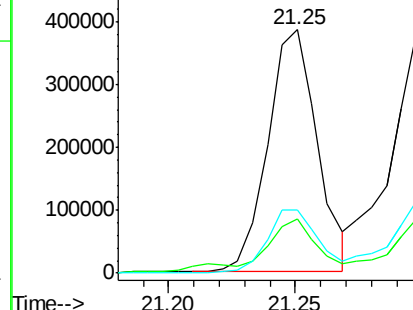
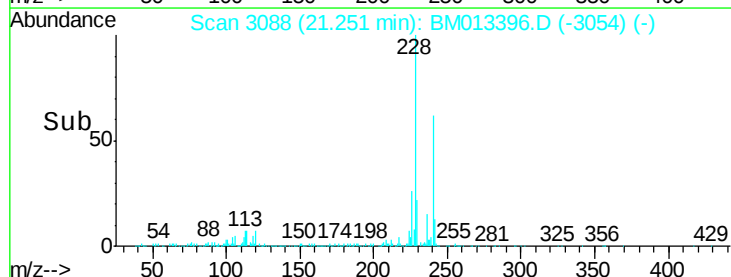
226 26.0 21.4 32.0

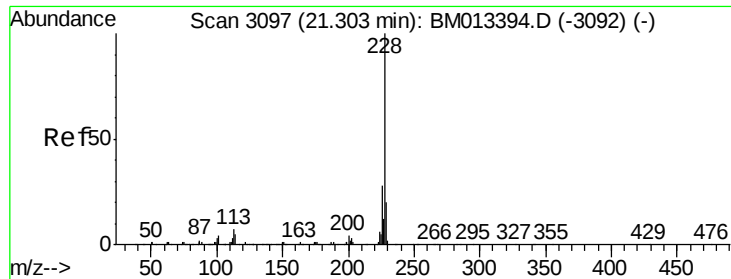


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.223 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

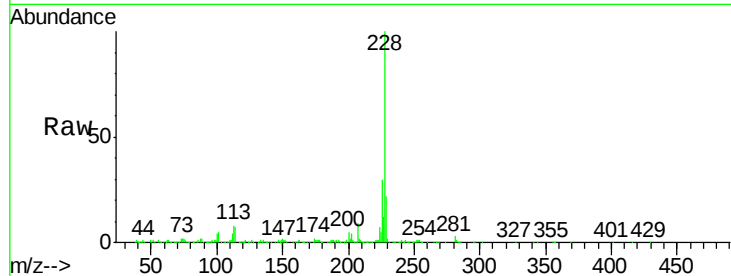
Tot Ion:228 Resp: 563143

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

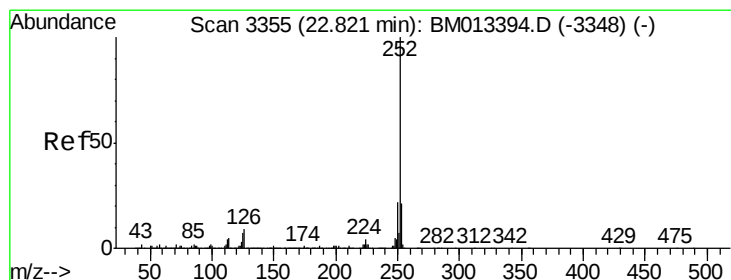
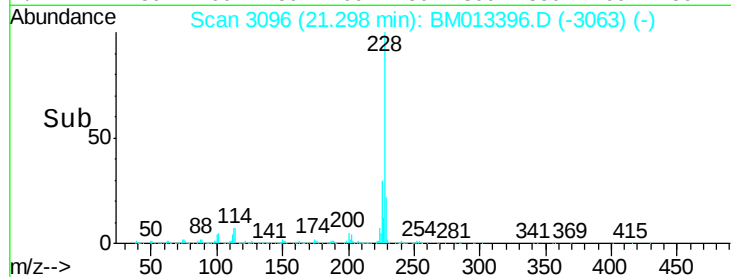
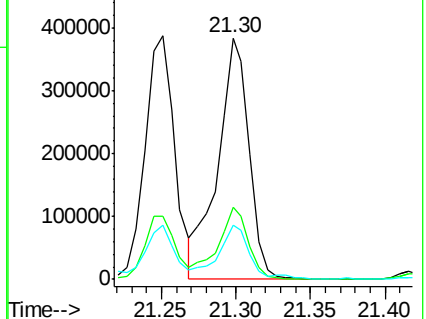
229 22.3 15.5 23.3



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: 4.879 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

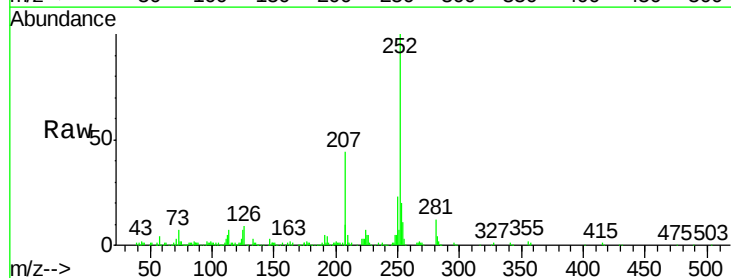
Tgt Ion:252 Resp: 359654

Ion Ratio Lower Upper

252 100

253 20.5 17.9 26.9

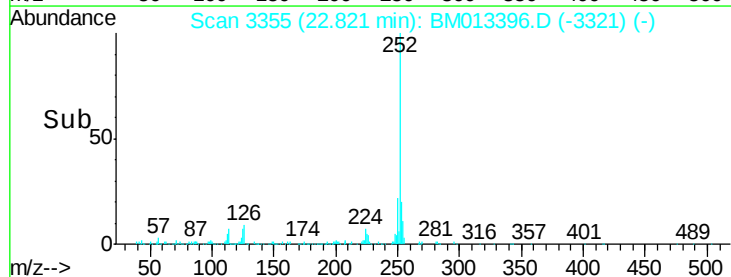
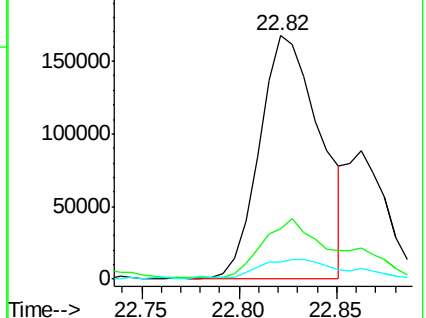
125 7.0 3.6 5.4#

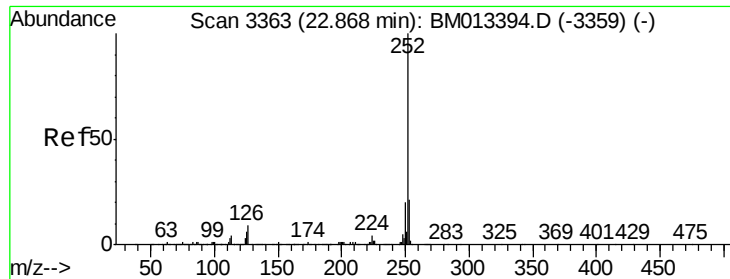


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

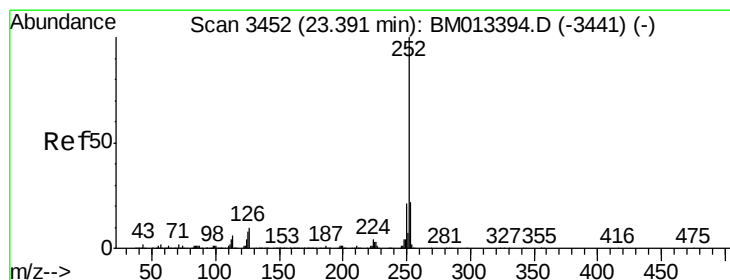
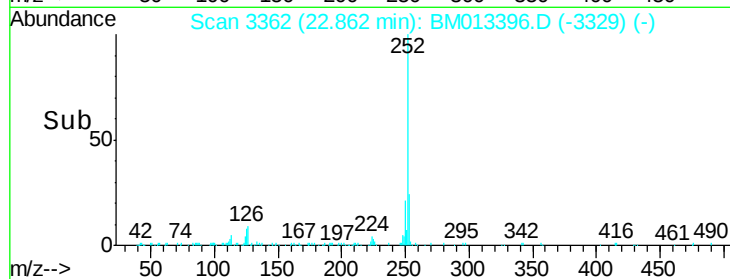
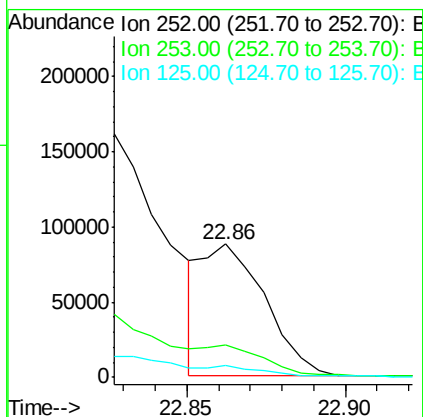
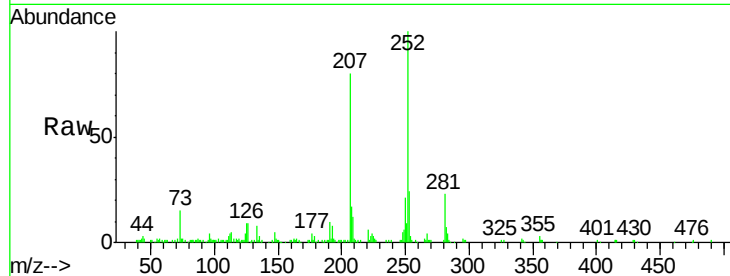




#86
Benzo(k)fluoranthene
Concen: 1.714 ng/ul
RT: 22.86 min Scan# 3362
Delta R.T. -0.01 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Instrument :
BNA_M
ClientSampled :

Tot Ion:252 Resp: 118890
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 8.6 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 1.872 ng/ul
RT: 23.39 min Scan# 3452
Delta R.T. 0.00 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Tgt Ion:252 Resp: 123947
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 7.4 4.0 6.0#

