

Data File : BM013928.D
Acq On : 28 Jan 2018 18:40
Operator : SJ/JU
Sample : J1223-10MEDL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A76MEDL

Quant Time: Jan 29 02:37:49 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 02:34:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	120325	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	478768	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	315768	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	778279	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	749216	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	703814	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	1124	0.37	ng/uL	0.00
5) Phenol-d5	6.77	99	32272	3.49	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.93	67	20263	3.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	29595	3.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	24357	3.43	ng/ul	0.02
19) Nitrobenzene-d5	8.74	128	13524	3.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	14431	3.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	24934	3.29	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	31167	4.74	ng/ul	0.01
43) Dimethylphthalate-d6	13.65	166	111780	4.30	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	134330	4.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	560	0.13	ng/ul	0.00
57) Fluorene-d10	15.23	176	105469	4.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	7913	1.69	ng/ul	0.01
70) Anthracene-d10	17.09	188	170854	4.51	ng/ul	0.00
76) Pyrene-d10	19.39	212	188351	5.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	145412	4.50	ng/ul	0.00

Target Compounds

						Qvalue
8) Bis(2-Chloroethyl)ether	7.01	93	12817	1.77	ng/ul#	28
28) Naphthalene	10.40	128	649016	27.25	ng/ul	99
30) 4-Chloroaniline	10.40	127	84976	13.03	ng/ul#	21
32) Caprolactam	11.37	113	9900	4.87	ng/ul	79
34) 2-Methylnaphthalene	12.02	142	387665	21.83	ng/ul	99
40) 1,1'-Biphenyl	13.06	154	142076	5.41	ng/ul	93
49) Acenaphthene	14.30	153	595739	28.33	ng/ul	99
53) Dibenzofuran	14.63	168	556269	17.58	ng/ul	97
58) Fluorene	15.29	166	474642	18.32	ng/ul	99
60) 4-Nitroaniline	15.29	138	5847	1.28	ng/ul#	23
68) Pentachlorophenol	16.64	266	92103	17.52	ng/ul	98
69) Phenanthrene	17.03	178	2203240	50.93	ng/ul	100
71) Anthracene	17.12	178	293424	6.58	ng/ul	98
72) Carbazole	17.40	167	62223	1.69	ng/ul#	96
74) Fluoranthene	19.06	202	1202150	23.28	ng/ul#	97
77) Pyrene	19.42	202	813210	17.85	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	131728	2.91	ng/ul	97
82) Chrysene	21.23	228	96183	2.32	ng/ul	96
85) Benzo(b)fluoranthene	22.73	252	43567	1.01	ng/ul#	92

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

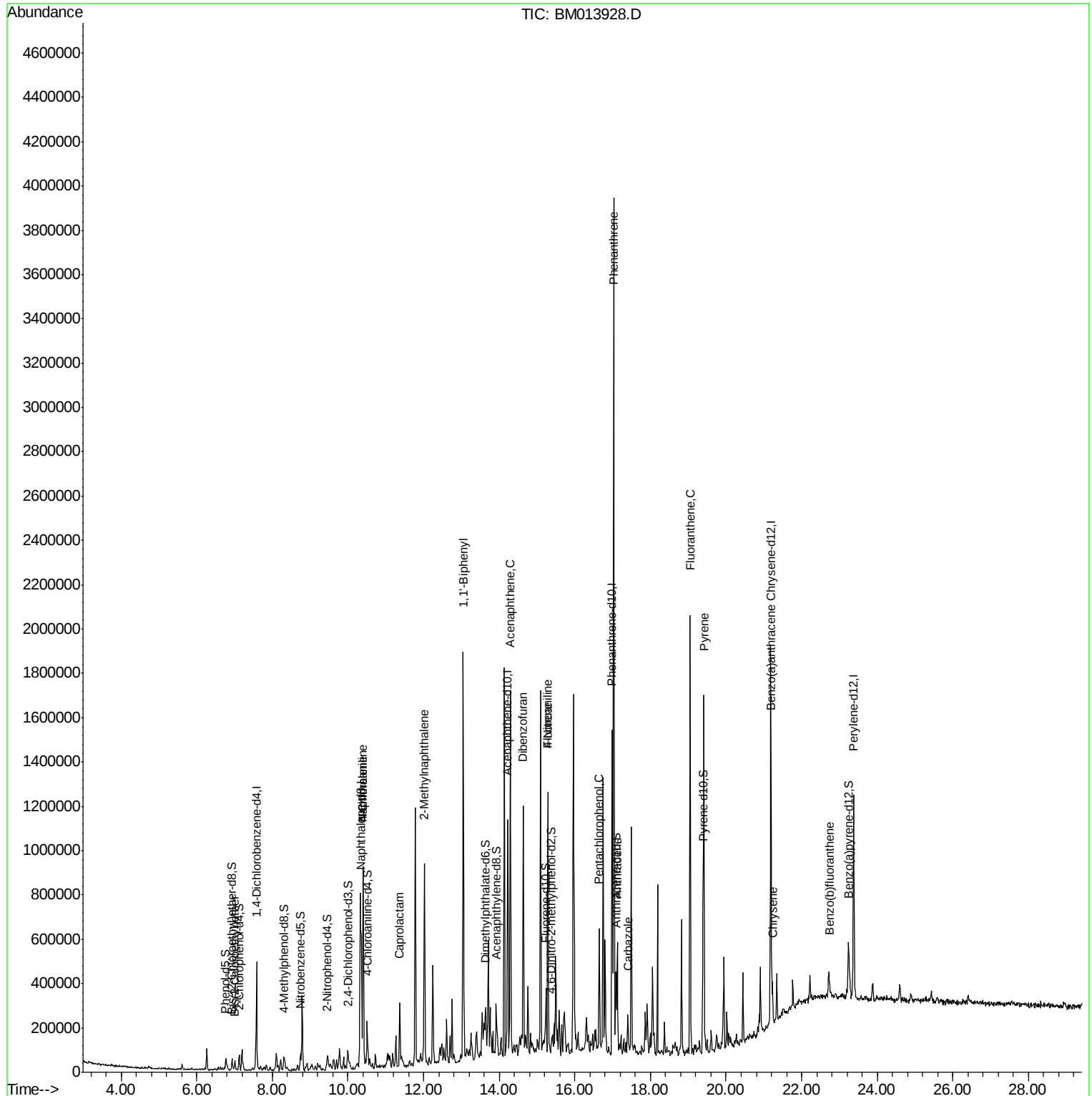
Quant Time: Jan 29 02:37:49 2018

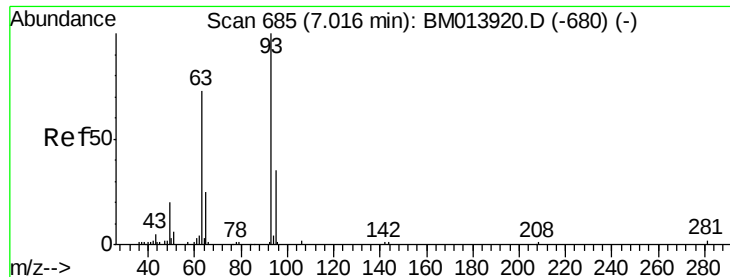
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 29 02:34:24 2018

Response via : Initial Calibration





#8

Bis(2-Chloroethyl)ether

Concen: 1.77 ng/ul

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

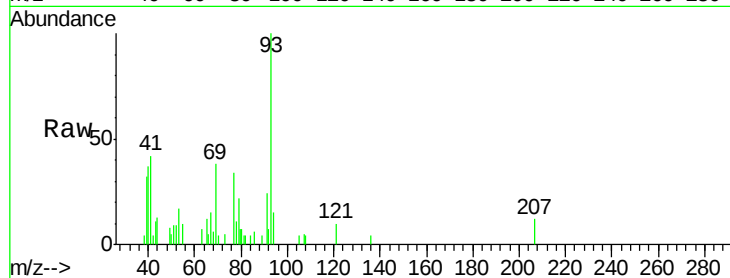
Tgt Ion: 93 Resp: 12817

Ion Ratio Lower Upper

93 100

63 6.9 57.3 85.9#

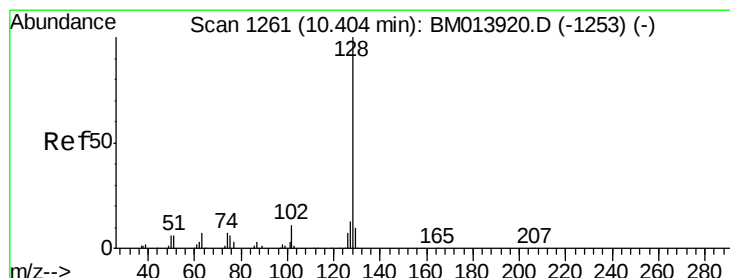
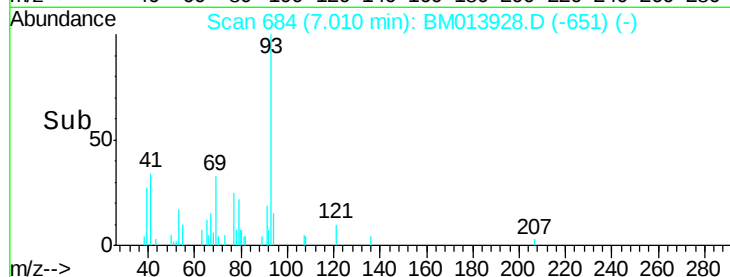
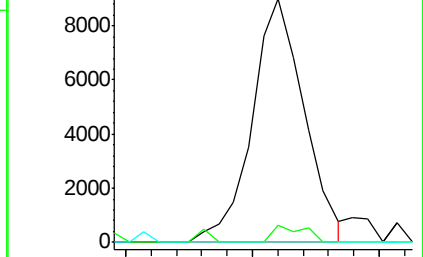
95 0.0 26.6 39.8#



Abundance Ion 93.00 (92.70 to 93.70): BM013928.D (-680) (-)

Ion 63.00 (62.70 to 63.70): BM013928.D (-680) (-)

Ion 95.00 (94.70 to 95.70): BM013928.D (-680) (-)



#28

Naphthalene

Concen: 27.25 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

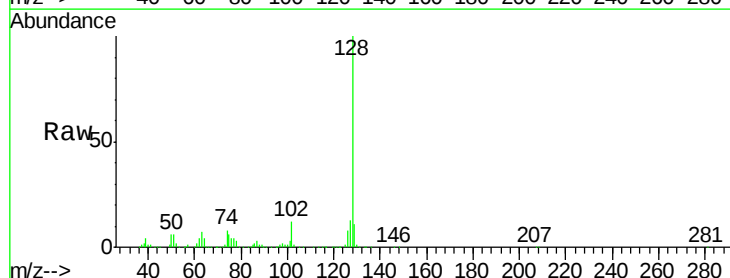
Tgt Ion:128 Resp: 649016

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

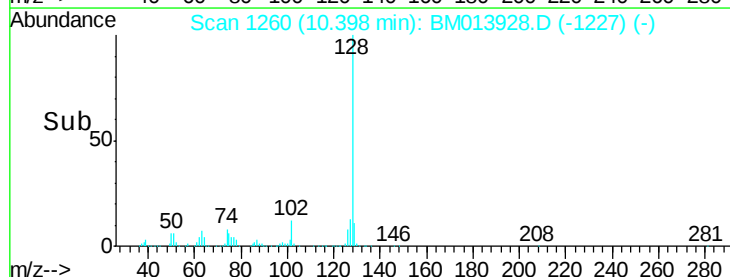
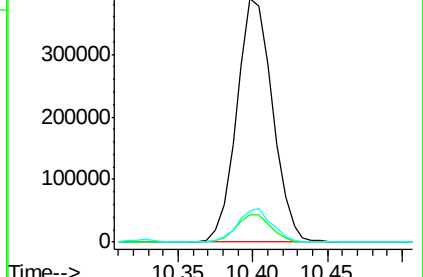
127 12.7 10.6 16.0

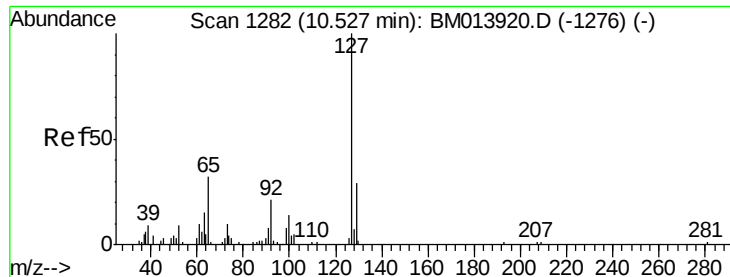


Abundance Ion 128.00 (127.70 to 128.70): BM013928.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM013928.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM013928.D (-1253) (-)

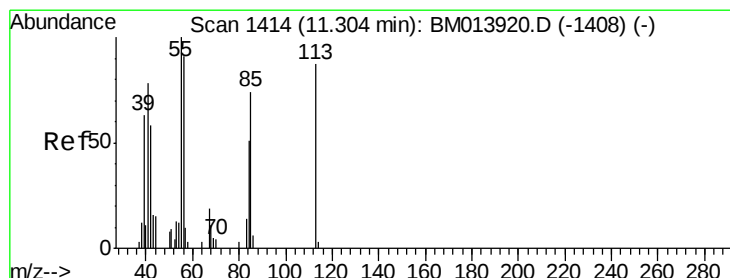
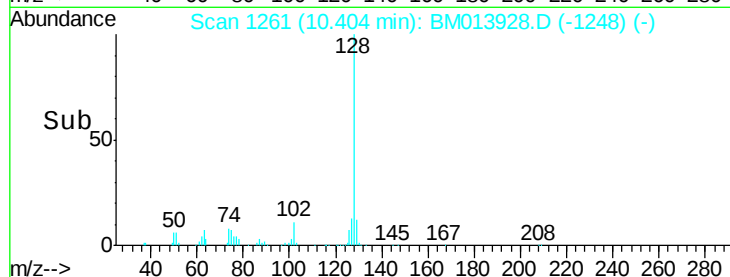
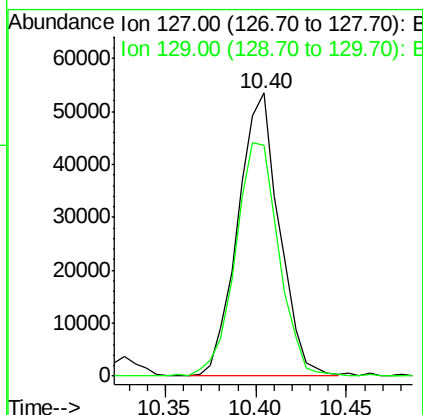
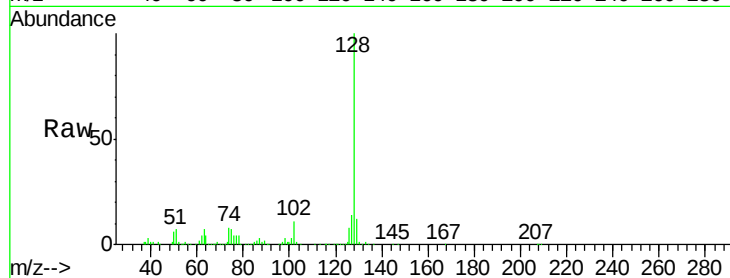




#30
4-Chloroaniline
Concen: 13.03 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013928.D
Acq: 28 Jan 2018 18:40

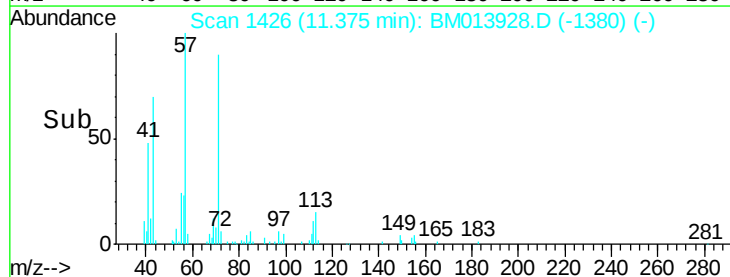
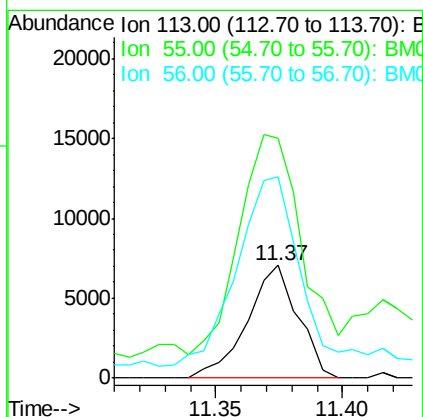
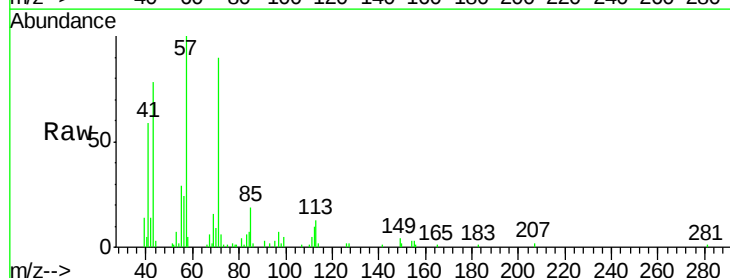
Instrument :
BNA_M
ClientSampleId :
F6A76MEDL

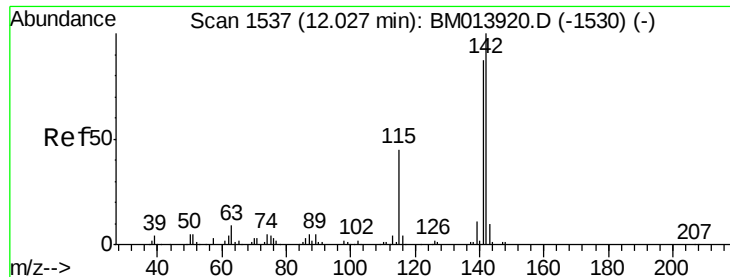
Tgt Ion:127 Resp: 84976
Ion Ratio Lower Upper
127 100
129 81.4 28.4 42.6#



#32
Caprolactam
Concen: 4.87 ng/ul
RT: 11.37 min Scan# 1426
Delta R.T. 0.07 min
Lab File: BM013928.D
Acq: 28 Jan 2018 18:40

Tgt Ion:113 Resp: 9900
Ion Ratio Lower Upper
113 100
55 212.6 208.0 312.0
56 178.7 160.0 240.0

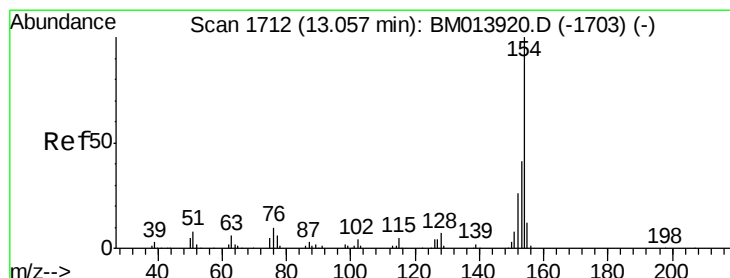
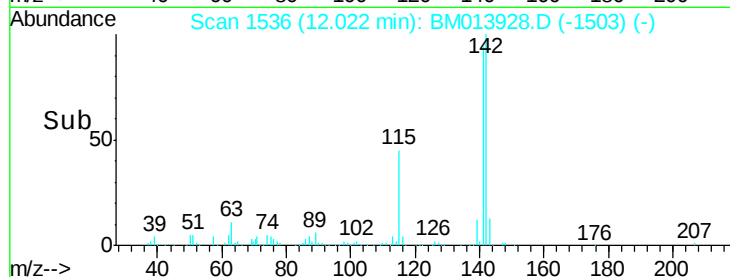
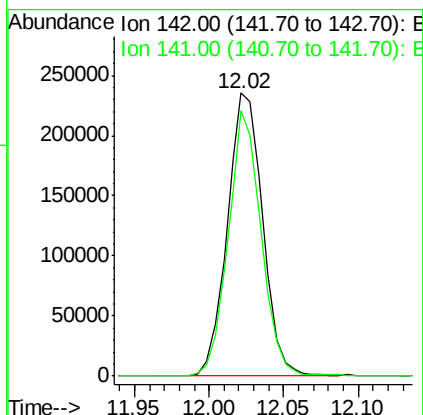
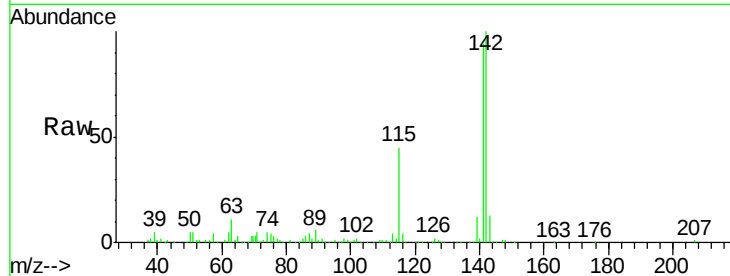




#34
2-Methylnaphthalene
Concen: 21.83 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BM013928.D
Acq: 28 Jan 2018 18:40

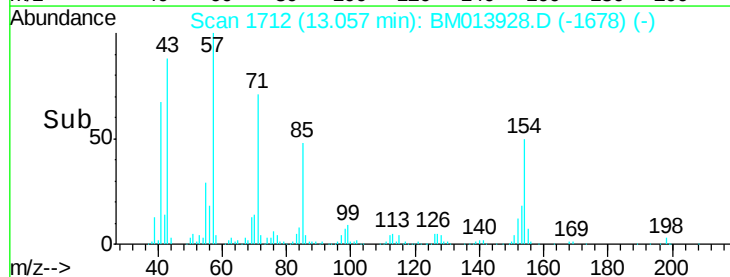
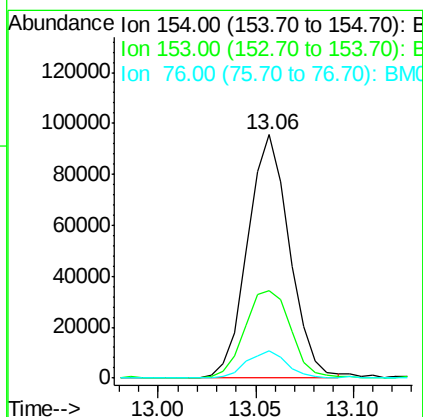
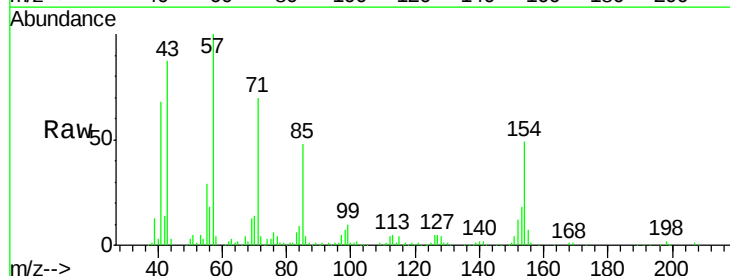
Instrument :
BNA_M
ClientSampled :
F6A76MEDL

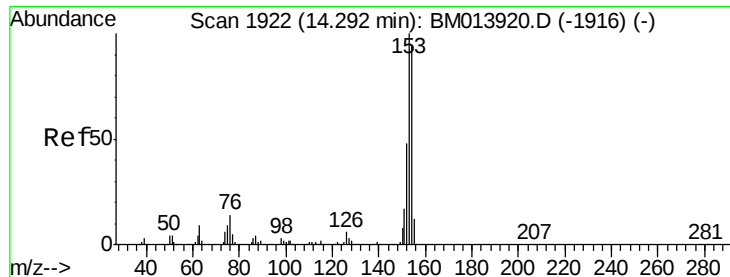
Tgt Ion:142 Resp: 387665
Ion Ratio Lower Upper
142 100
141 93.8 74.1 111.1



#40
1,1'-Biphenyl
Concen: 5.41 ng/ul
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BM013928.D
Acq: 28 Jan 2018 18:40

Tgt Ion:154 Resp: 142076
Ion Ratio Lower Upper
154 100
153 35.7 32.6 48.8
76 11.4 8.5 12.7





#49

Acenaphthene

Concen: 28.33 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

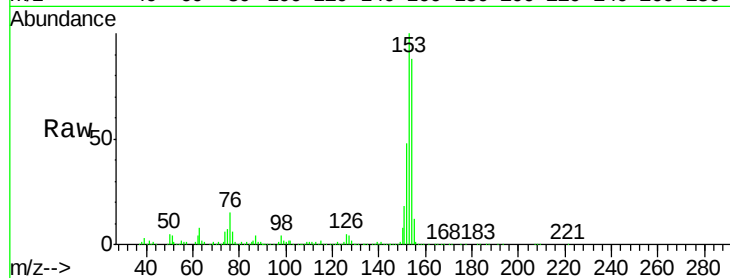
Tgt Ion:153 Resp: 595739

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

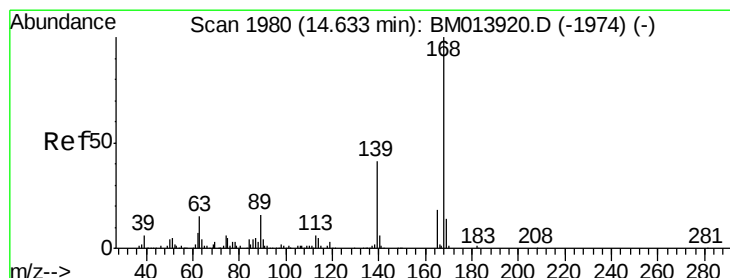
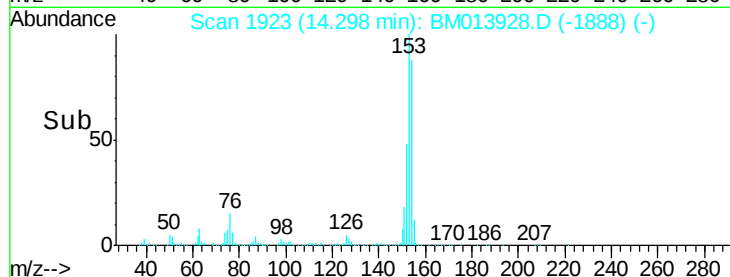
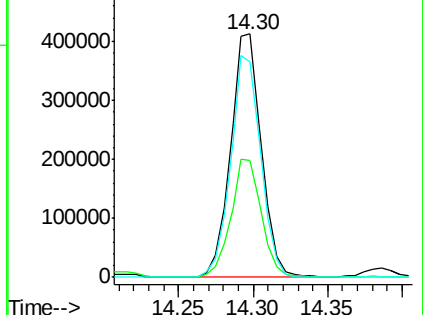
154 88.4 70.4 105.6



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: 17.58 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM013928.D

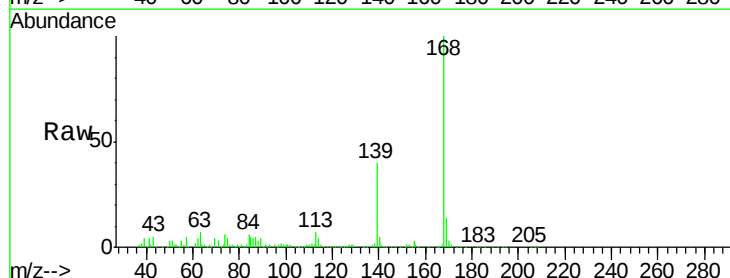
Acq: 28 Jan 2018 18:40

Tgt Ion:168 Resp: 556269

Ion Ratio Lower Upper

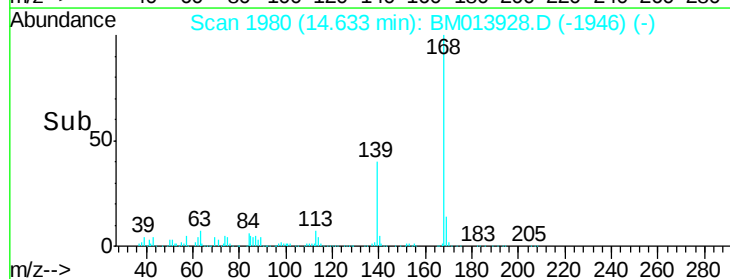
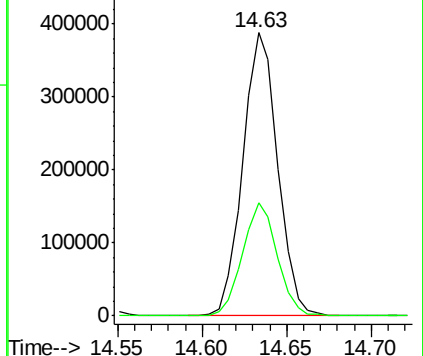
168 100

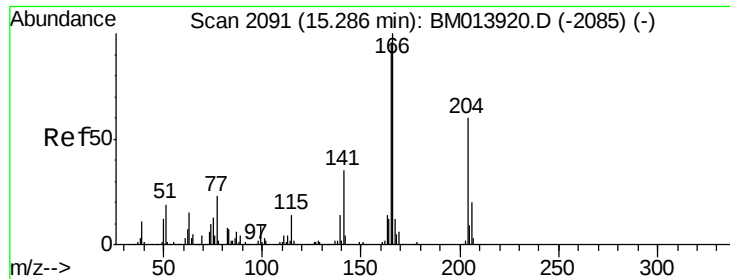
139 40.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 18.32 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

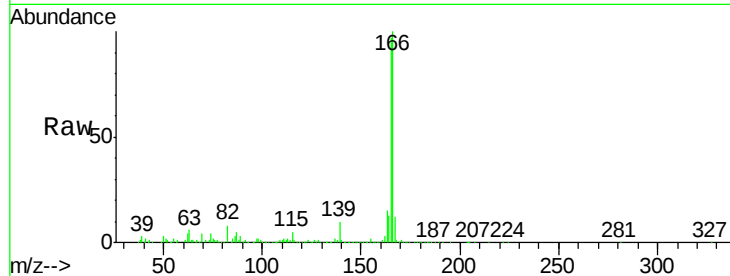
Tgt Ion:166 Resp: 474642

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

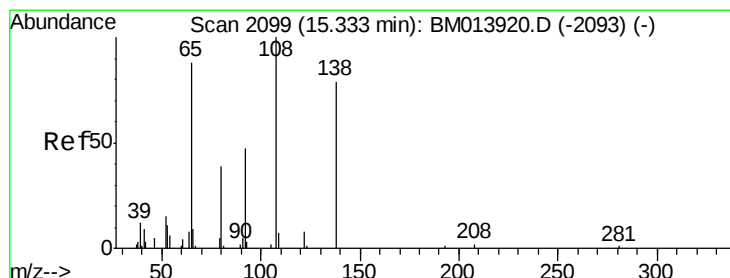
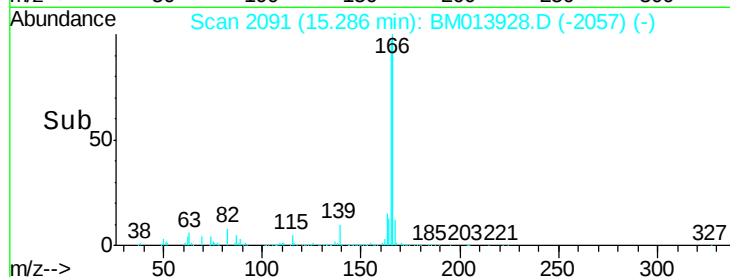
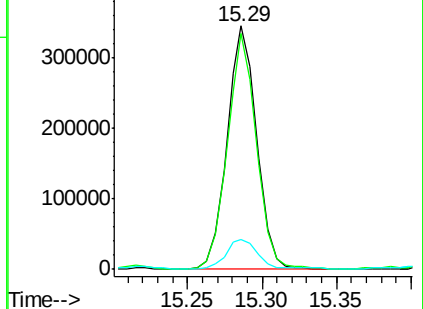
167 12.5 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.28 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. -0.05 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

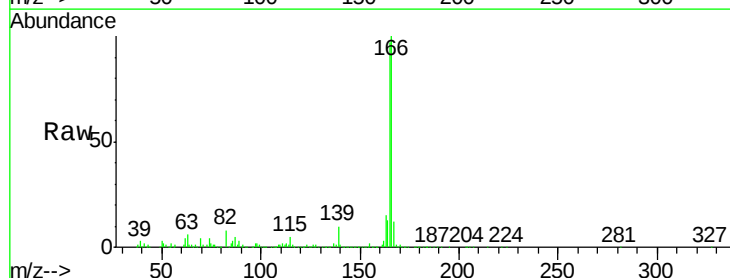
Tgt Ion:138 Resp: 5847

Ion Ratio Lower Upper

138 100

92 7.8 40.0 60.0#

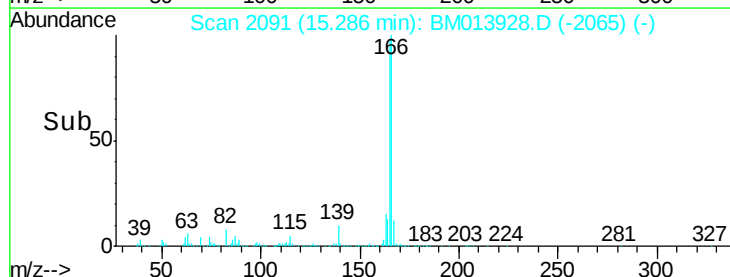
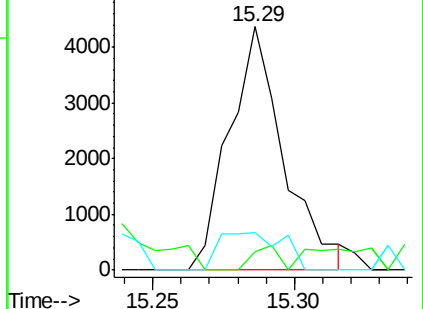
108 15.3 80.0 120.0#

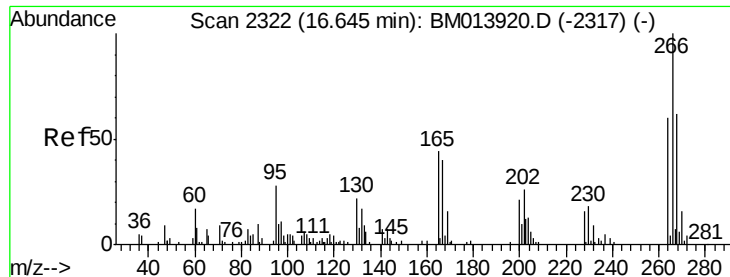


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

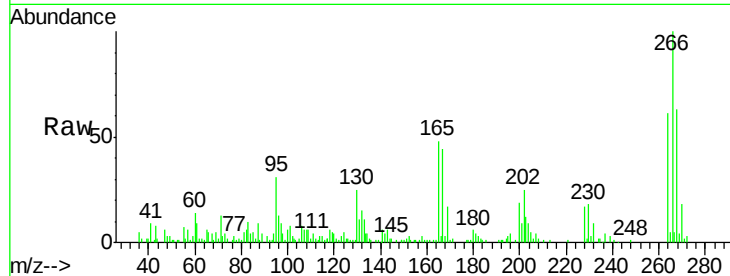




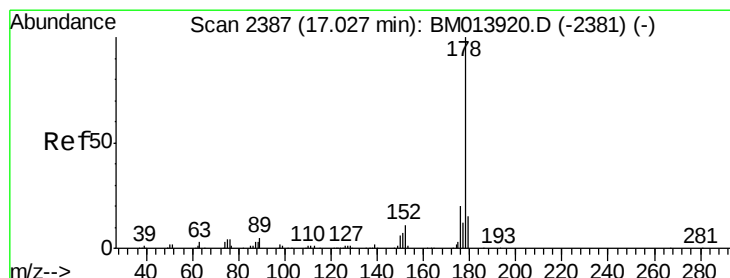
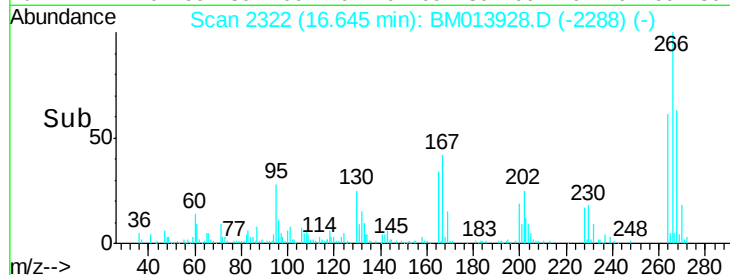
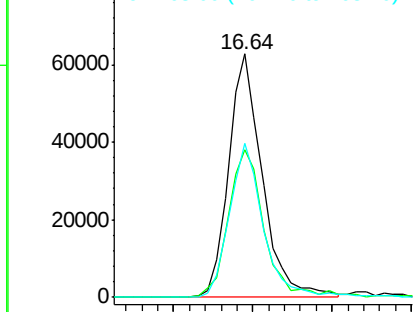
#68
 Pentachlorophenol
 Concen: 17.52 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM013928.D
 Acq: 28 Jan 2018 18:40

Instrument :
 BNA_M
 ClientSampleId :
 F6A76MEDL

Tgt Ion:266 Resp: 92103
 Ion Ratio Lower Upper
 266 100
 264 60.7 49.3 73.9
 268 63.4 52.6 78.8

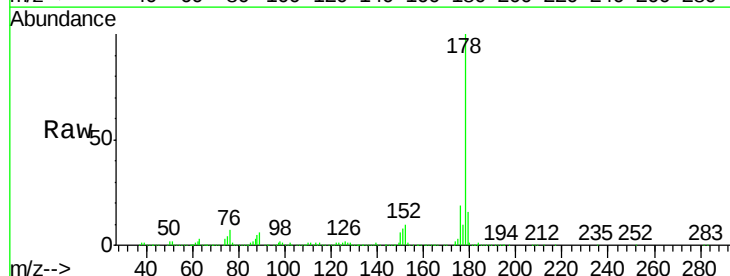


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

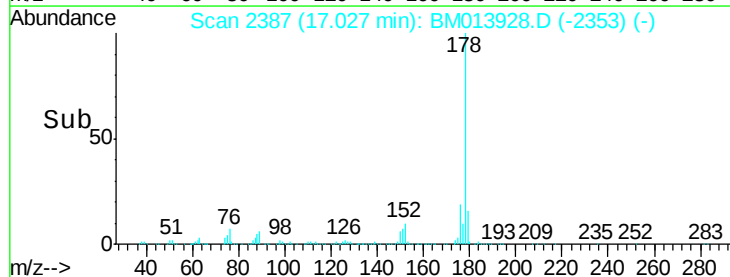
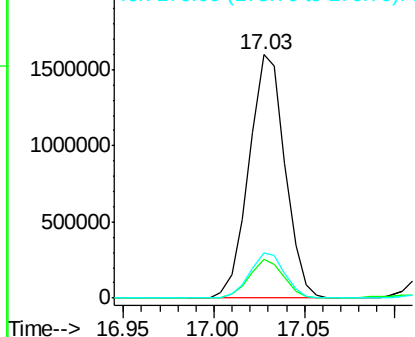


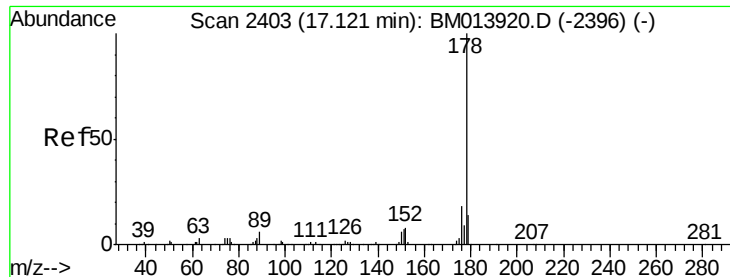
#69
 Phenanthrene
 Concen: 50.93 ng/ul
 RT: 17.03 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: BM013928.D
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Tgt Ion:178 Resp: 2203240
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.6 19.0
 176 18.5 14.9 22.3



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

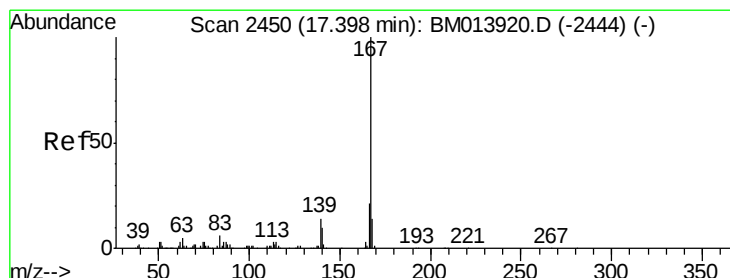
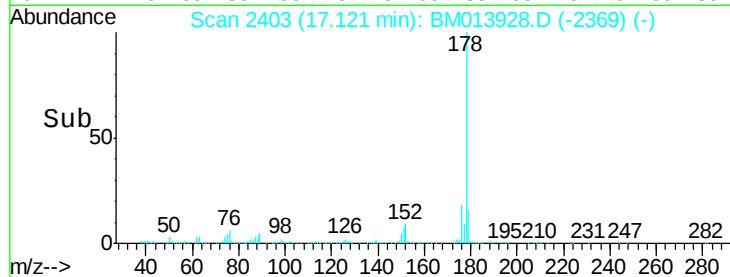
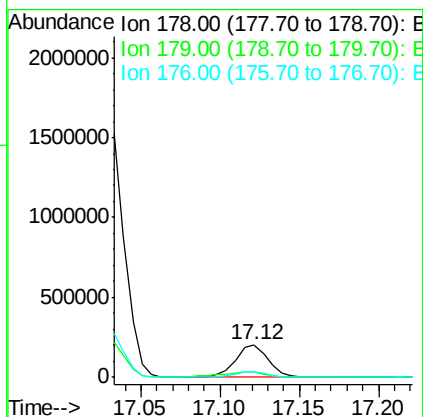
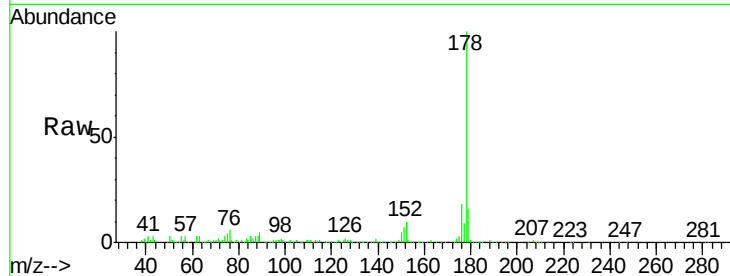




#71
 Anthracene
 Concen: 6.58 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BM013928.D
 Acq: 28 Jan 2018 18:40

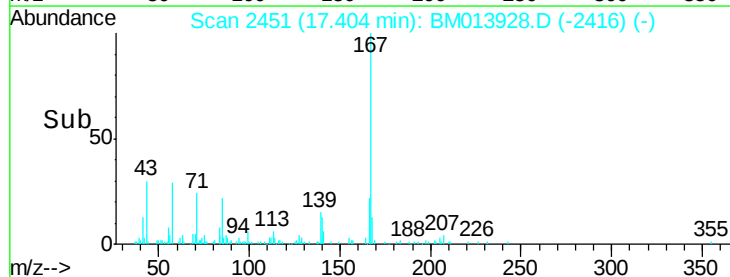
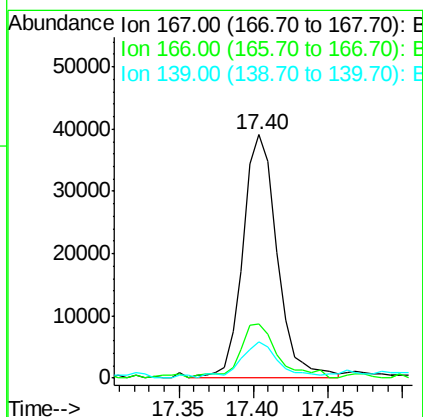
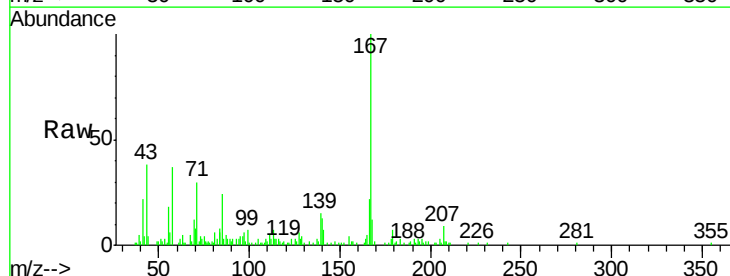
Instrument :
 BNA_M
 ClientSampleId :
 F6A76MEDL

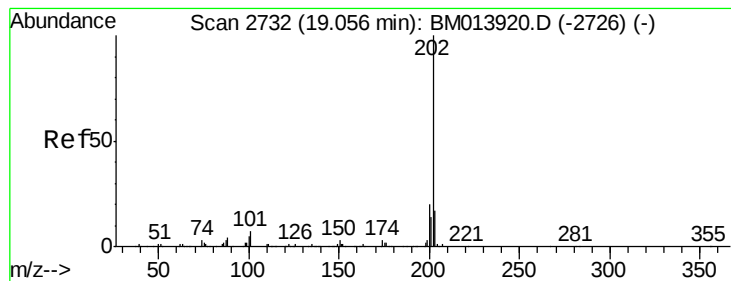
Tgt Ion:178 Resp: 293424
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.7 17.5
 176 17.8 14.6 21.8



#72
 Carbazole
 Concen: 1.69 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.01 min
 Lab File: BM013928.D
 Acq: 28 Jan 2018 18:40

Tgt Ion:167 Resp: 62223
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 15.0 10.0 15.0#





#74

Fluoranthene

Concen: 23.28 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

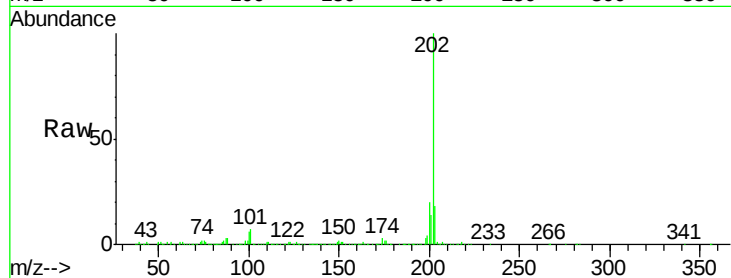
Tgt Ion:202 Resp: 1202150

Ion Ratio Lower Upper

202 100

101 6.8 4.6 7.0

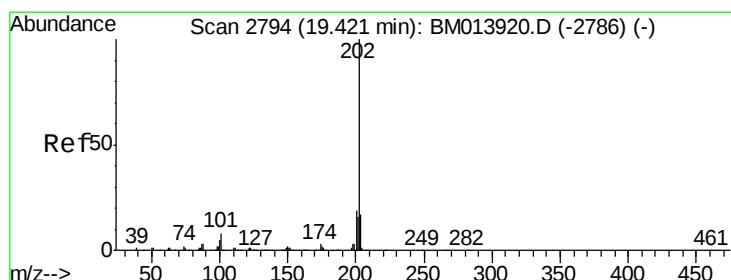
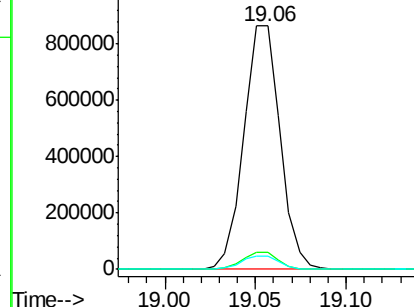
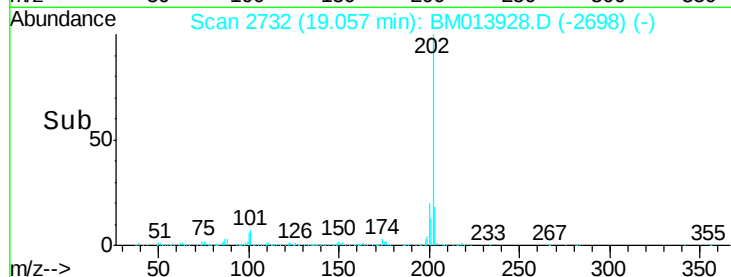
100 5.5 3.4 5.2#



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

Pyrene

Concen: 17.85 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

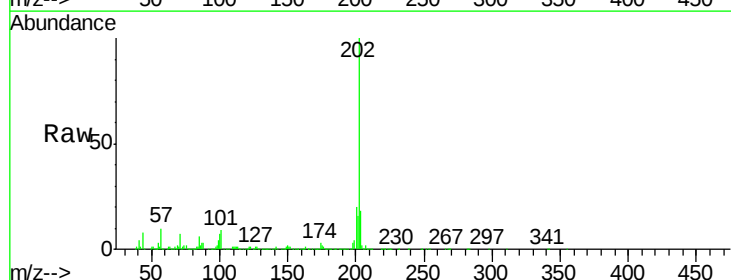
Tgt Ion:202 Resp: 813210

Ion Ratio Lower Upper

202 100

101 9.2 5.1 7.7#

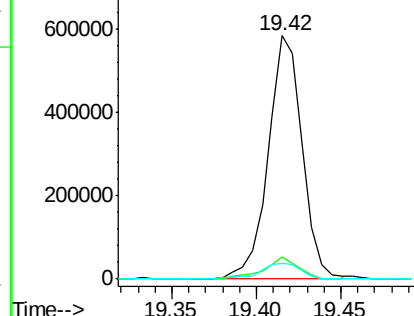
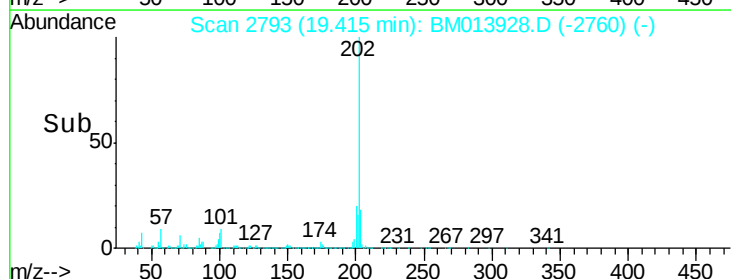
100 6.6 4.9 7.3

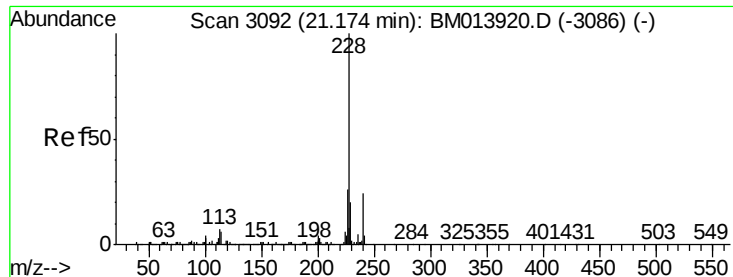


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.91 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

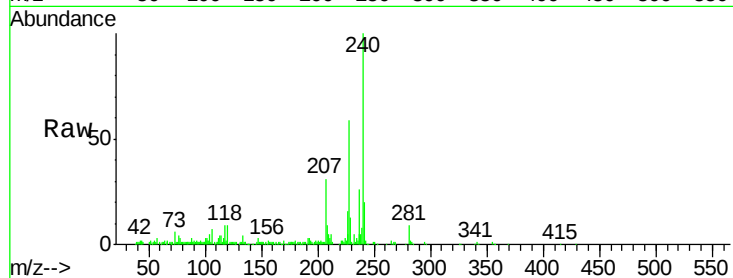
Tgt Ion:228 Resp: 131728

Ion Ratio Lower Upper

228 100

229 22.3 15.4 23.0

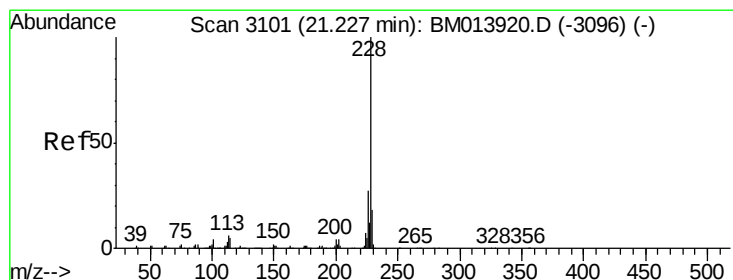
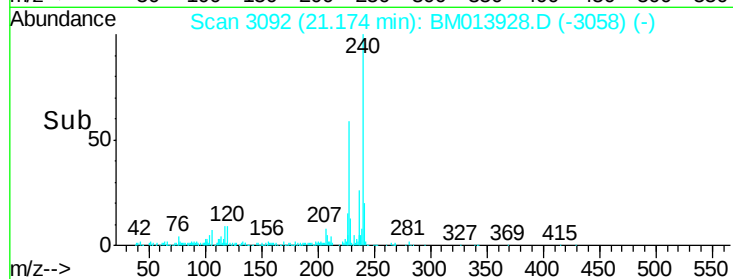
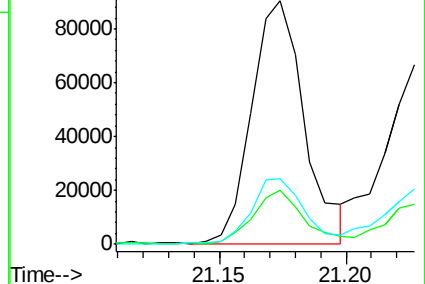
226 26.9 21.4 32.0



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: 2.32 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

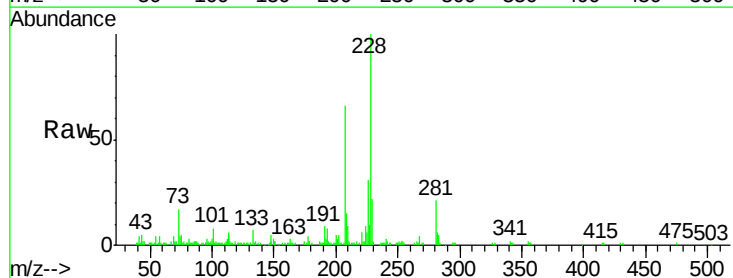
Tgt Ion:228 Resp: 96183

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

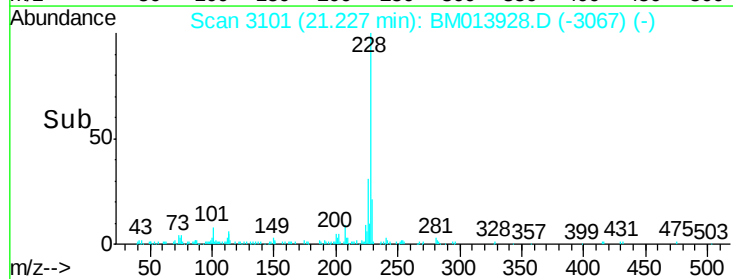
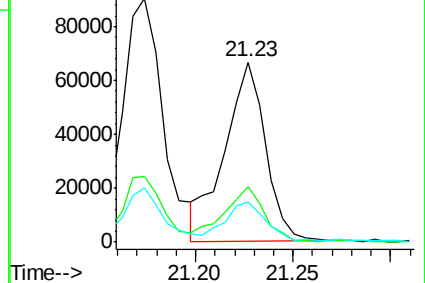
229 22.3 15.5 23.3

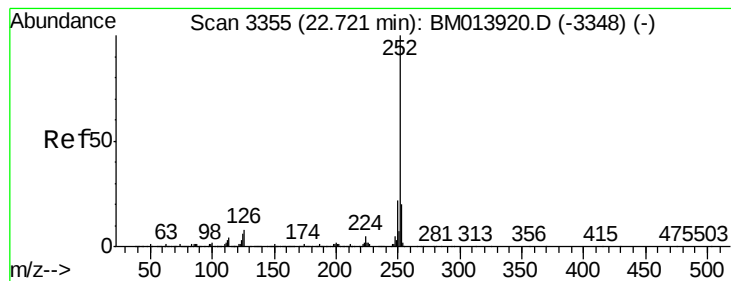


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.01 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013928.D

Acq: 28 Jan 2018 18:40

Instrument :

BNA_M

ClientSampleId :

F6A76MEDL

Tgt Ion: 252 Resp: 43567

Ion Ratio Lower Upper

252 100

253 19.0 17.9 26.9

125 9.4 3.6 5.4#

