

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\
 Data File : BM013917.D
 Acq On : 28 Jan 2018 12:05
 Operator : SJ/JU
 Sample : J1223-11DL 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 29 03:16:06 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 03:14:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	135625	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	517543	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	288313	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	622959	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	654770	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	634577	20.00	ng/ul	0.00

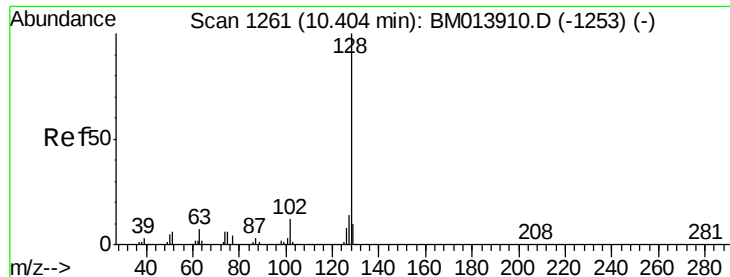
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	2996	0.87	ng/uL	0.00
5) Phenol-d5	6.77	99	45663	4.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	33617	5.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	46268	5.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	40008	5.00	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	20214	5.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	21199	5.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	39951	4.87	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	48443	6.81	ng/ul	0.01
43) Dimethylphthalate-d6	13.65	166	134829	5.67	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	162920	5.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	227	0.06	ng/ul	-0.01
57) Fluorene-d10	15.23	176	113019	5.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	10073	2.69	ng/ul	0.01
70) Anthracene-d10	16.99	188	622959	20.53	ng/ul	-0.10
76) Pyrene-d10	19.39	212	183228	6.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	173748	5.96	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	176808	6.867	ng/ul	97
30) 4-Chloroaniline	10.40	127	21470	3.044	ng/ul#	2
34) 2-Methylnaphthalene	12.03	142	115584	6.021	ng/ul	92
40) 1,1'-Biphenyl	13.06	154	41556	1.732	ng/ul#	84
44) Dimethylphthalate	13.70	163	52461	2.245	ng/ul#	96
49) Acenaphthene	14.30	153	177868	9.263	ng/ul	98
53) Dibenzofuran	14.64	168	169262	5.860	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	14.88	232	15345	2.535	ng/ul#	86
58) Fluorene	15.29	166	132617	5.605	ng/ul	91
68) Pentachlorophenol	16.64	266	175067	41.597	ng/ul	99
69) Phenanthrene	17.03	178	554071	16.001	ng/ul	99
71) Anthracene	17.03	178	554071	15.513	ng/ul	97
72) Carbazole	17.40	167	47159	1.600	ng/ul	97
74) Fluoranthene	19.06	202	292643	7.080	ng/ul	98
77) Pyrene	19.42	202	200493	5.037	ng/ul#	94

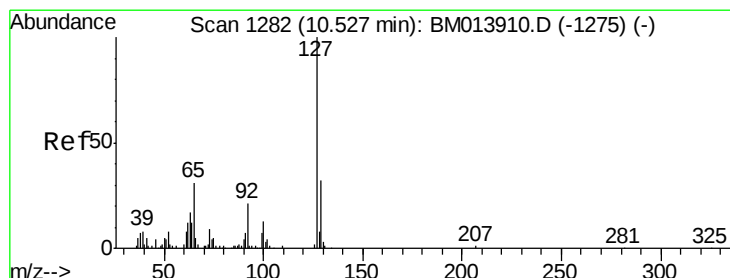
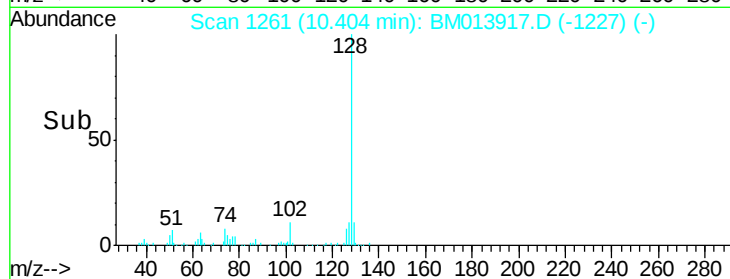
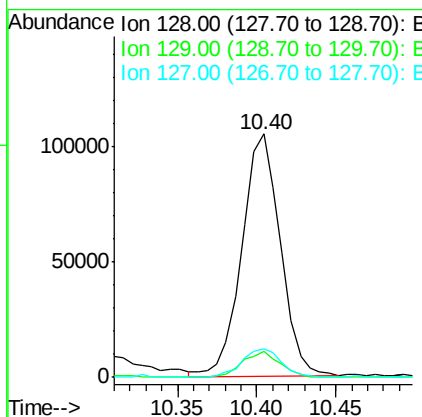
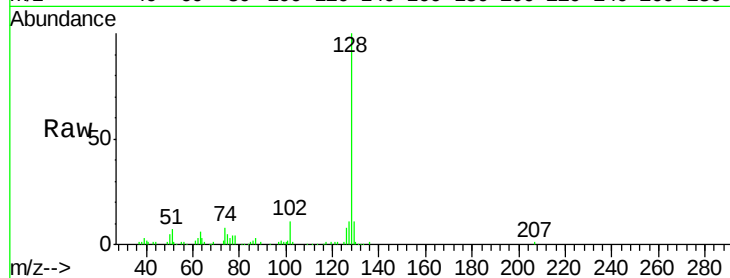
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28
Naphthalene
Concen: 6.867 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM013917.D
Acq: 28 Jan 2018 12:05

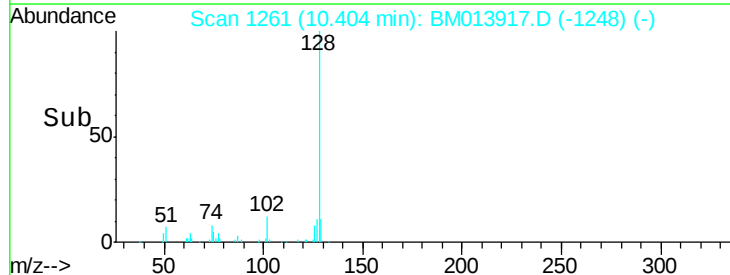
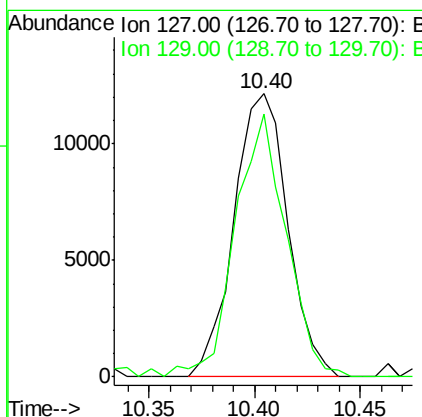
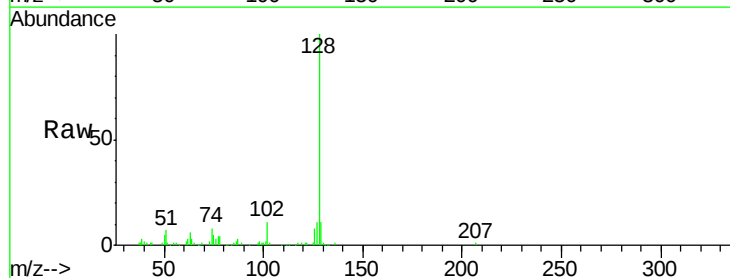
Instrument :
BNA_M
ClientSampleId :

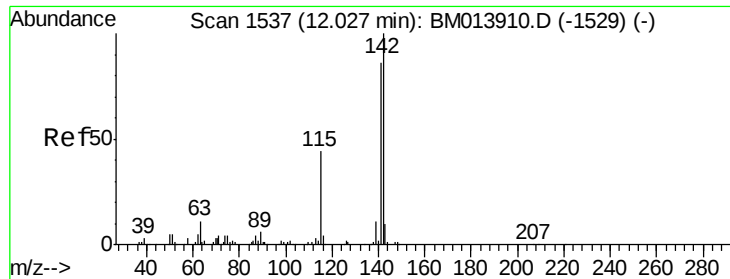
Tot Ion:128 Resp: 176808
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 11.5 10.6 16.0



#30
4-Chloroaniline
Concen: 3.044 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013917.D
Acq: 28 Jan 2018 12:05

Tgt Ion:127 Resp: 21470
Ion Ratio Lower Upper
127 100
129 93.0 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 6.021 ng/ul

RT: 12.03 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

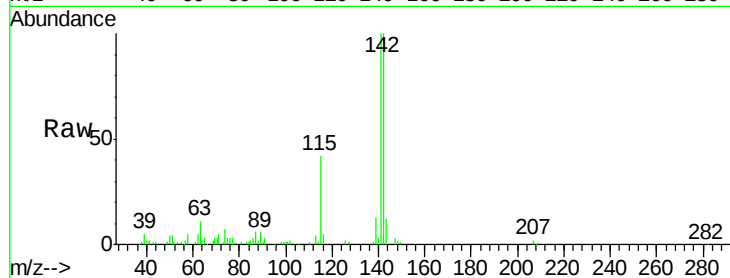
ClientSampleId :

Tot Ion:142 Resp: 115584

Ion Ratio Lower Upper

142 100

141 100.4 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

80000

60000

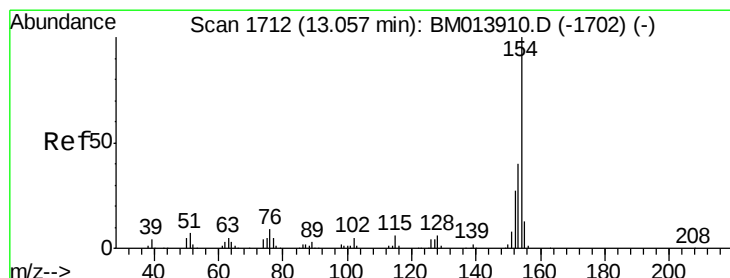
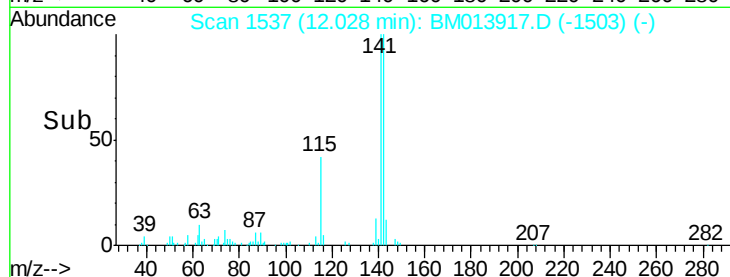
40000

20000

0

Time-->

11.95 12.00 12.05 12.10



#40

1,1'-Biphenyl

Concen: 1.732 ng/ul

RT: 13.06 min Scan# 1713

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

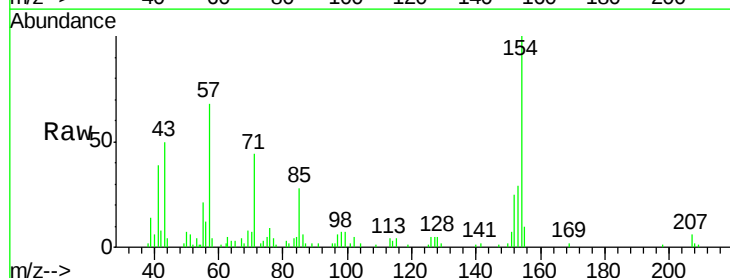
Tgt Ion:154 Resp: 41556

Ion Ratio Lower Upper

154 100

153 29.1 32.6 48.8#

76 8.9 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

40000

30000

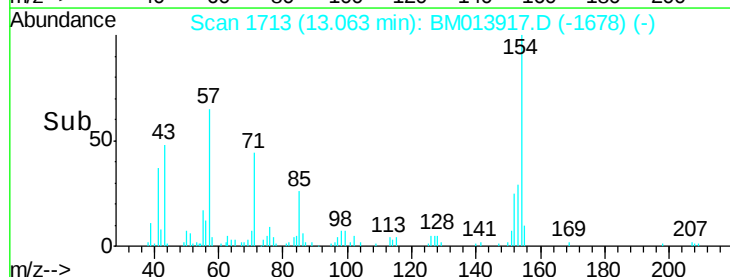
20000

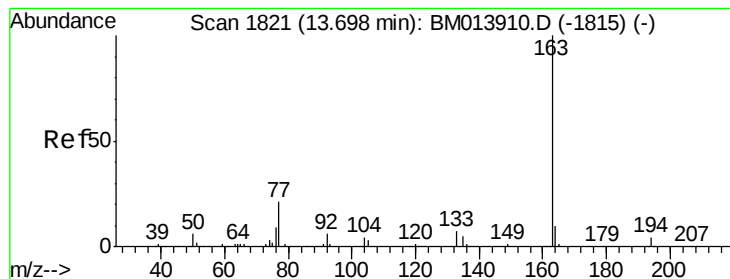
10000

0

Time-->

13.00 13.05 13.10





#44

Dimethylphthalate

Concen: 2.245 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

ClientSampleId :

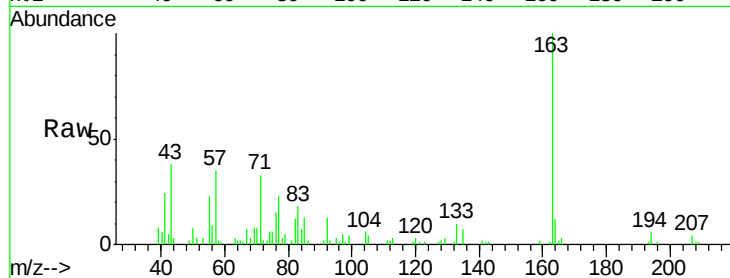
Tot Ion:163 Resp: 52461

Ion Ratio Lower Upper

163 100

194 6.0 3.5 5.3#

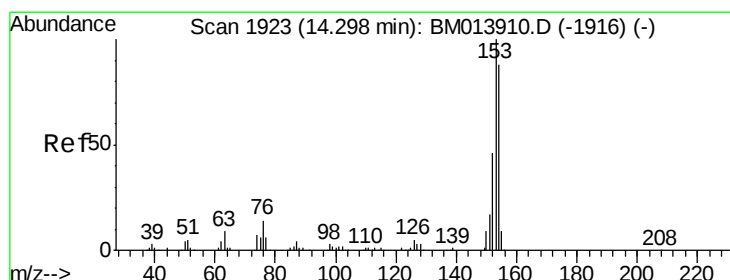
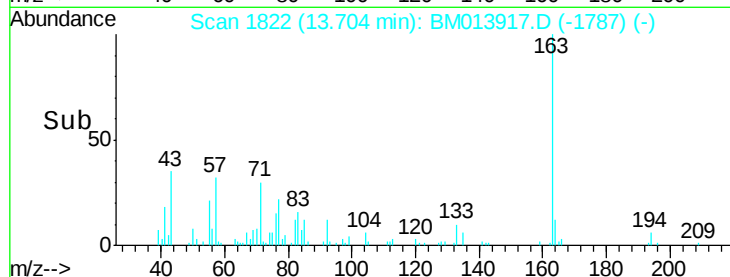
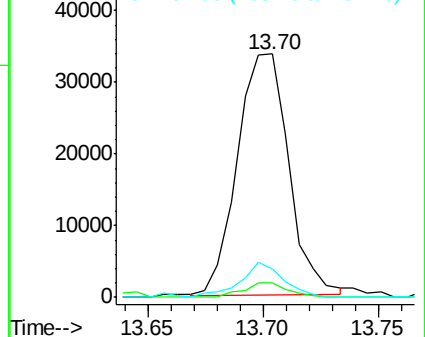
164 11.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 9.263 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

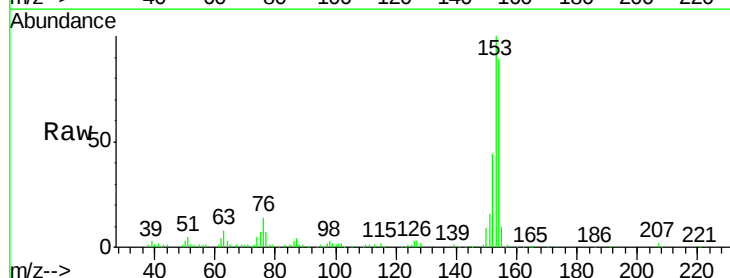
Tgt Ion:153 Resp: 177868

Ion Ratio Lower Upper

153 100

152 44.4 37.6 56.4

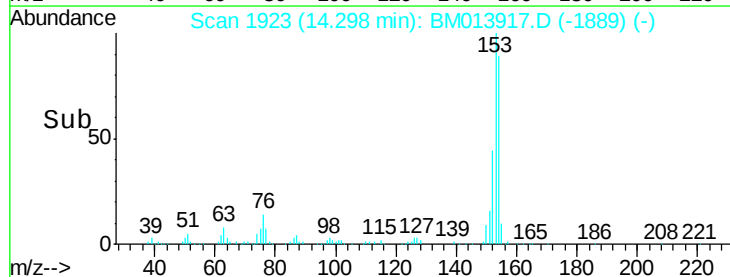
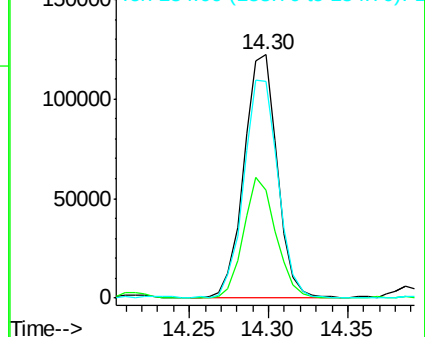
154 88.8 70.4 105.6

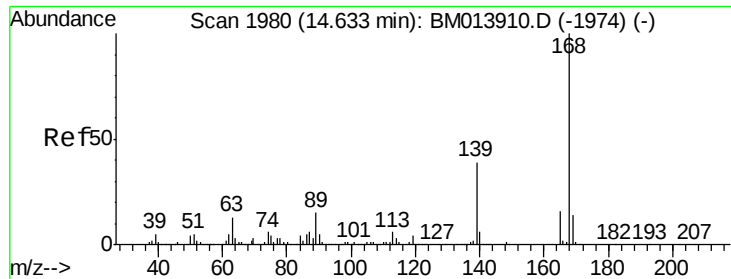


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 5.860 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

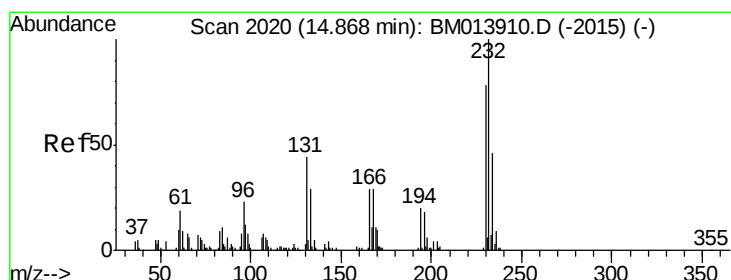
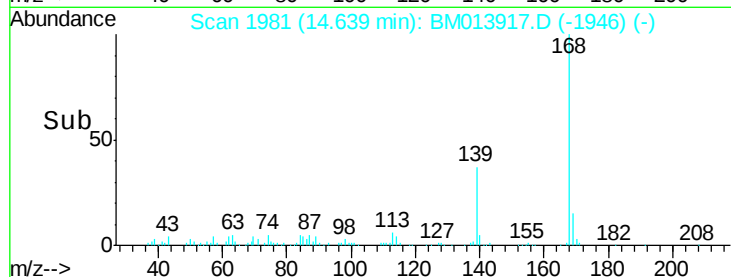
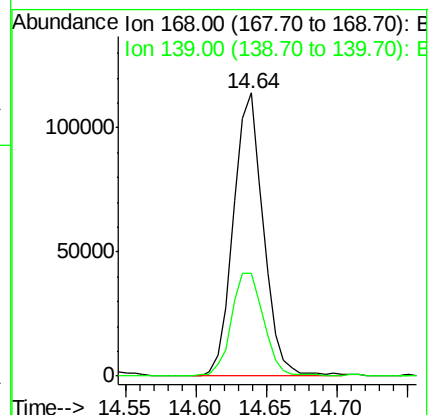
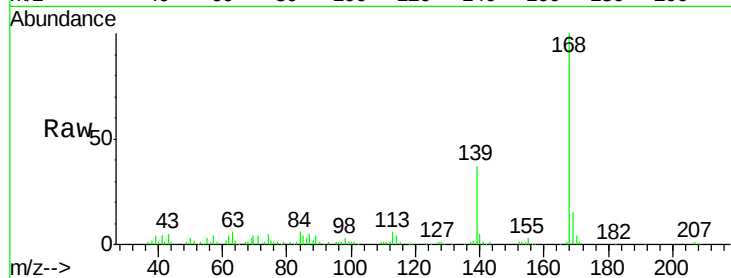
ClientSampled :

Tot Ion:168 Resp: 169262

Ion Ratio Lower Upper

168 100

139 36.6 30.8 46.2



#55

2,3,4,6-Tetrachlorophenol

Concen: 2.535 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Tgt Ion:232 Resp: 15345

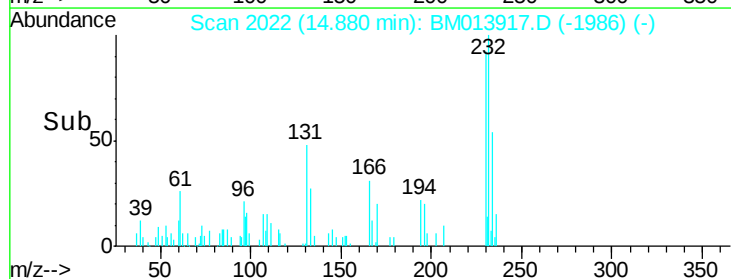
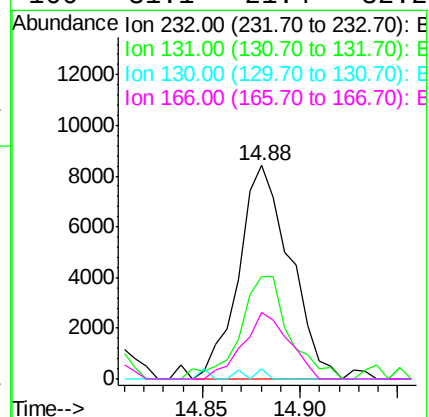
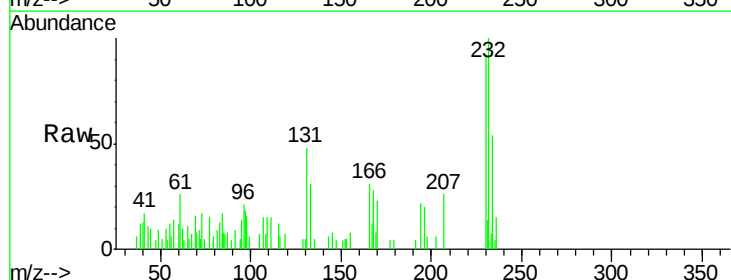
Ion Ratio Lower Upper

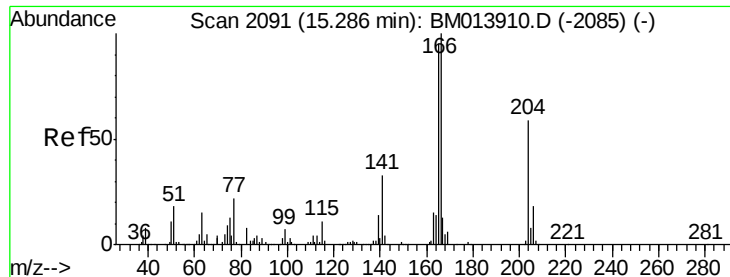
232 100

131 47.7 29.0 43.4#

130 4.8 2.0 3.0#

166 31.1 21.4 32.2





#58

Fluorene

Concen: 5.605 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

ClientSampleId :

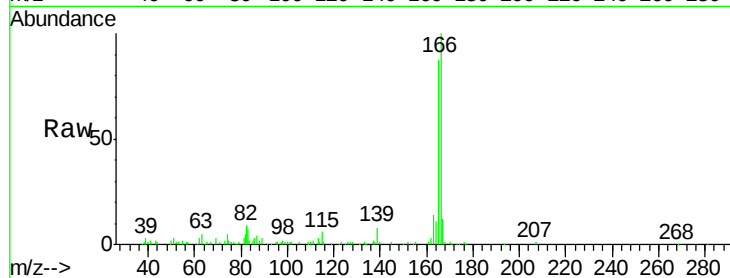
Tot Ion:166 Resp: 132617

Ion Ratio Lower Upper

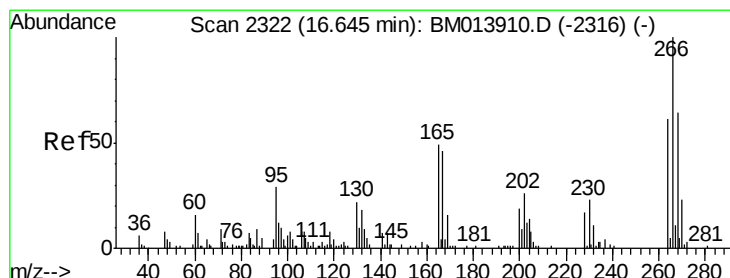
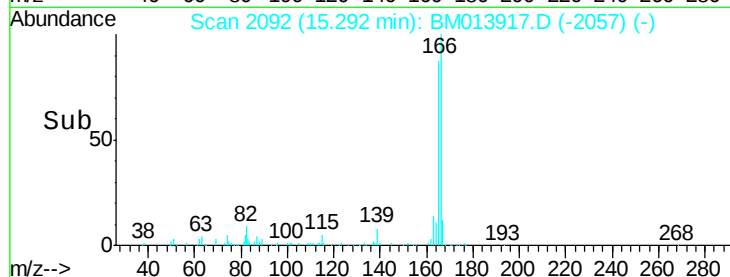
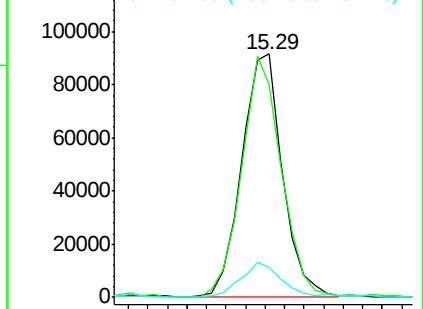
166 100

165 87.4 77.9 116.9

167 12.1 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



#68

Pentachlorophenol

Concen: 41.597 ng/ul

RT: 16.64 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

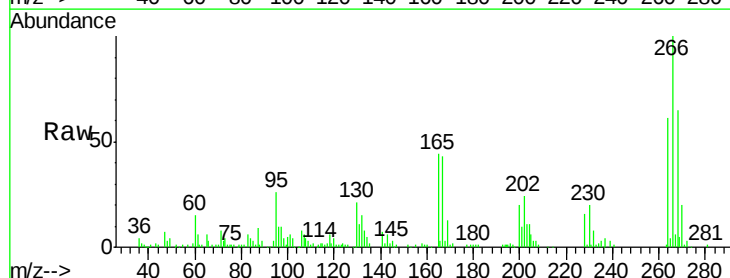
Tgt Ion:266 Resp: 175067

Ion Ratio Lower Upper

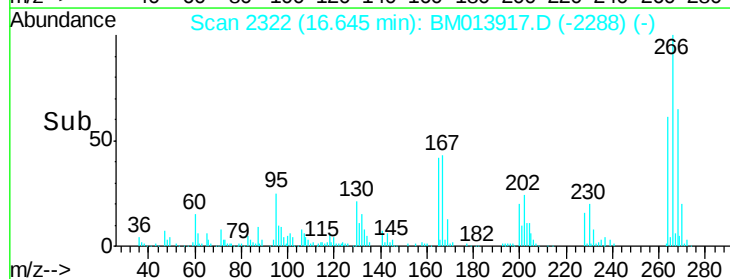
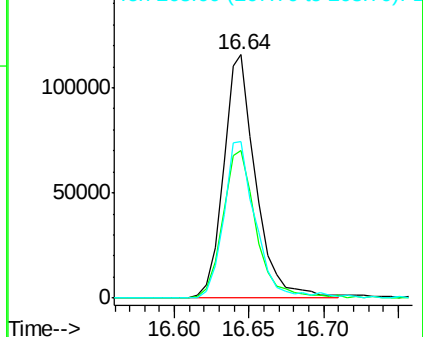
266 100

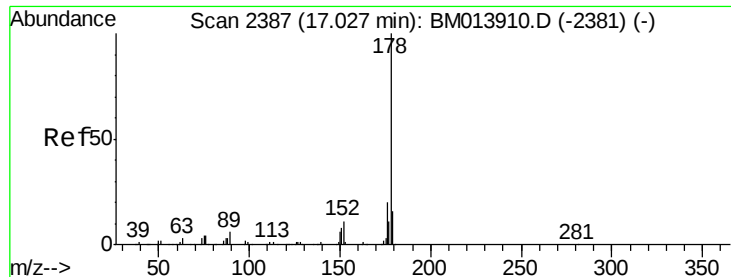
264 60.8 49.3 73.9

268 64.5 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: 16.001 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

ClientSampled :

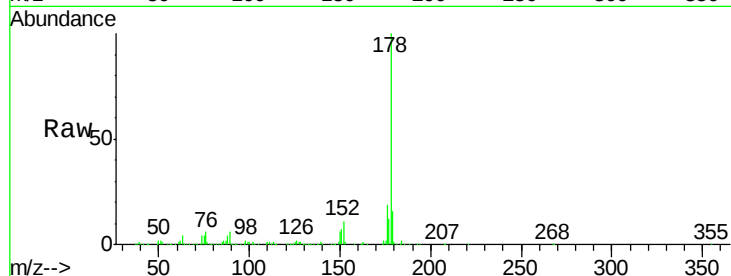
Tot Ion:178 Resp: 554071

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

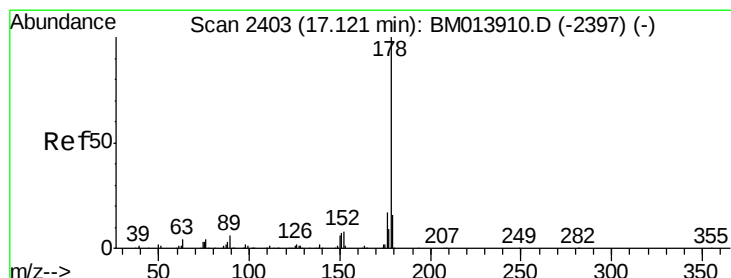
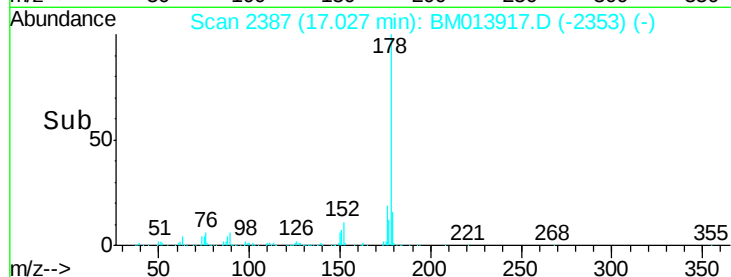
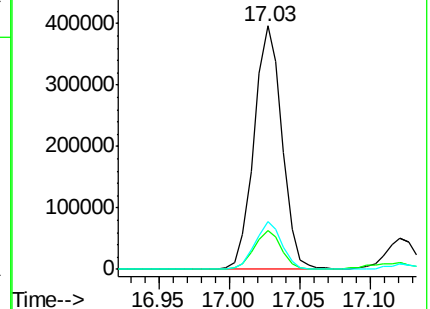
176 19.4 14.9 22.3



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: 15.513 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. -0.09 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

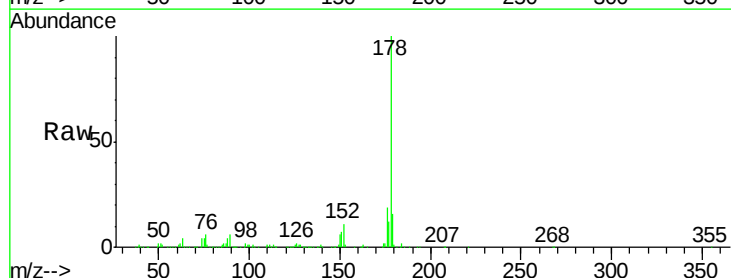
Tgt Ion:178 Resp: 554071

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

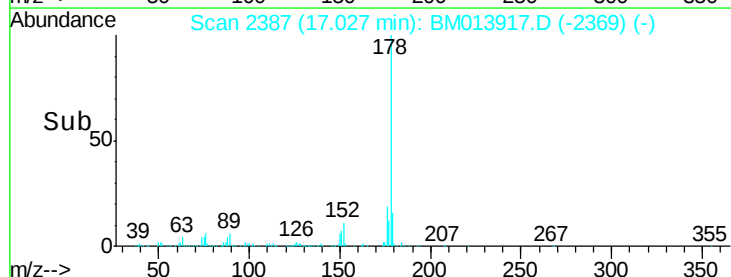
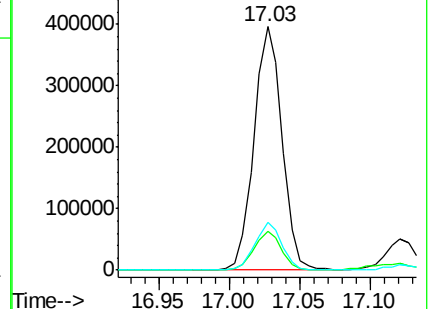
176 19.4 14.6 21.8

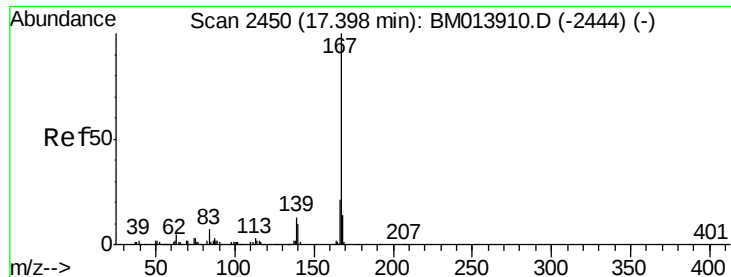


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.600 ng/ul

RT: 17.40 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

ClientSampleId :

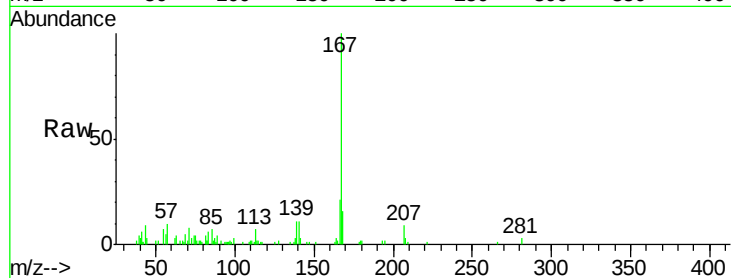
Tot Ion:167 Resp: 47159

Ion Ratio Lower Upper

167 100

166 20.7 17.1 25.7

139 10.7 10.0 15.0

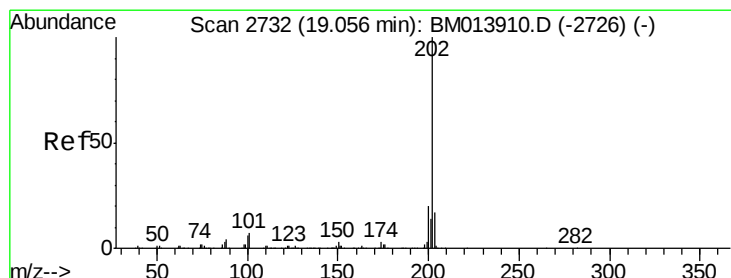
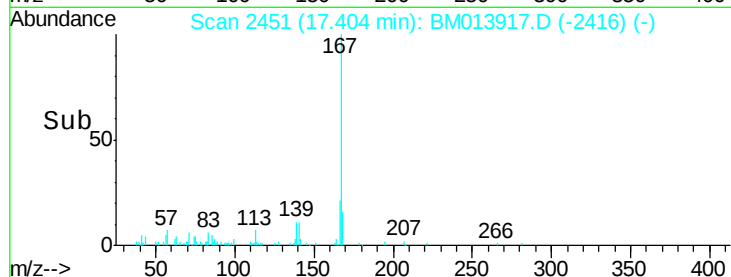


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



#74

Fluoranthene

Concen: 7.080 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

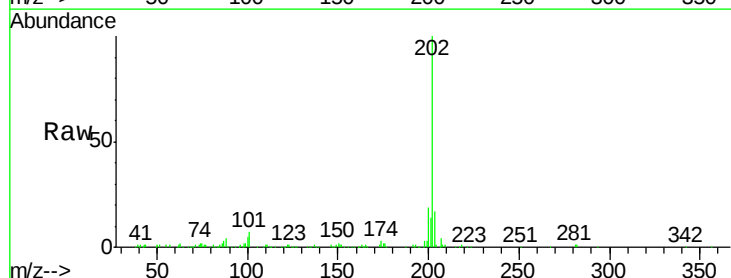
Tgt Ion:202 Resp: 292643

Ion Ratio Lower Upper

202 100

101 6.9 4.6 7.0

100 4.7 3.4 5.2

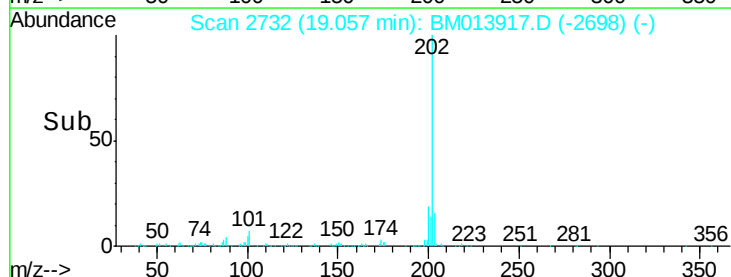


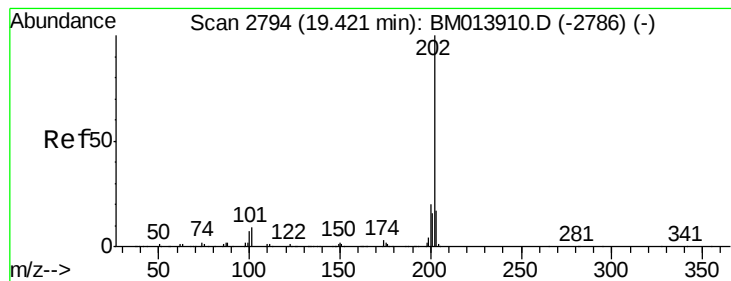
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->





#77

Pvrene

Concen: 5.037 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013917.D

Acq: 28 Jan 2018 12:05

Instrument :

BNA_M

ClientSampleId :

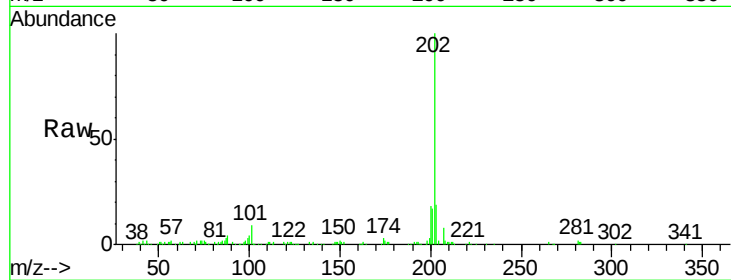
Tot Ion:202 Resp: 200493

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

100 4.5 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

