

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012518\
 Data File : BM013830.D
 Acq On : 26 Jan 2018 05:42
 Operator : SJ/JU
 Sample : J1233-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 26 07:25:35 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 26 02:50:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	153886	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	561120	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	313082	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	726776	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	852965	20.00	ng/ul	0.00
83) Perylene-d12	23.39	264	839541	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	6738	1.73	ng/uL	0.00
5) Phenol-d5	6.78	99	123684	10.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	82156	11.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	105974	11.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	91537	10.08	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	51559	11.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	57225	12.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	106570	11.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	104672	13.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	320515	12.42	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	397259	12.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	36496	8.70	ng/ul	0.01
57) Fluorene-d10	15.24	176	279269	12.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	40241	9.20	ng/ul	0.00
70) Anthracene-d10	17.09	188	447458	12.64	ng/ul	0.00
76) Pyrene-d10	19.40	212	535433	13.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	511667	13.26	ng/ul	0.00

Target Compounds

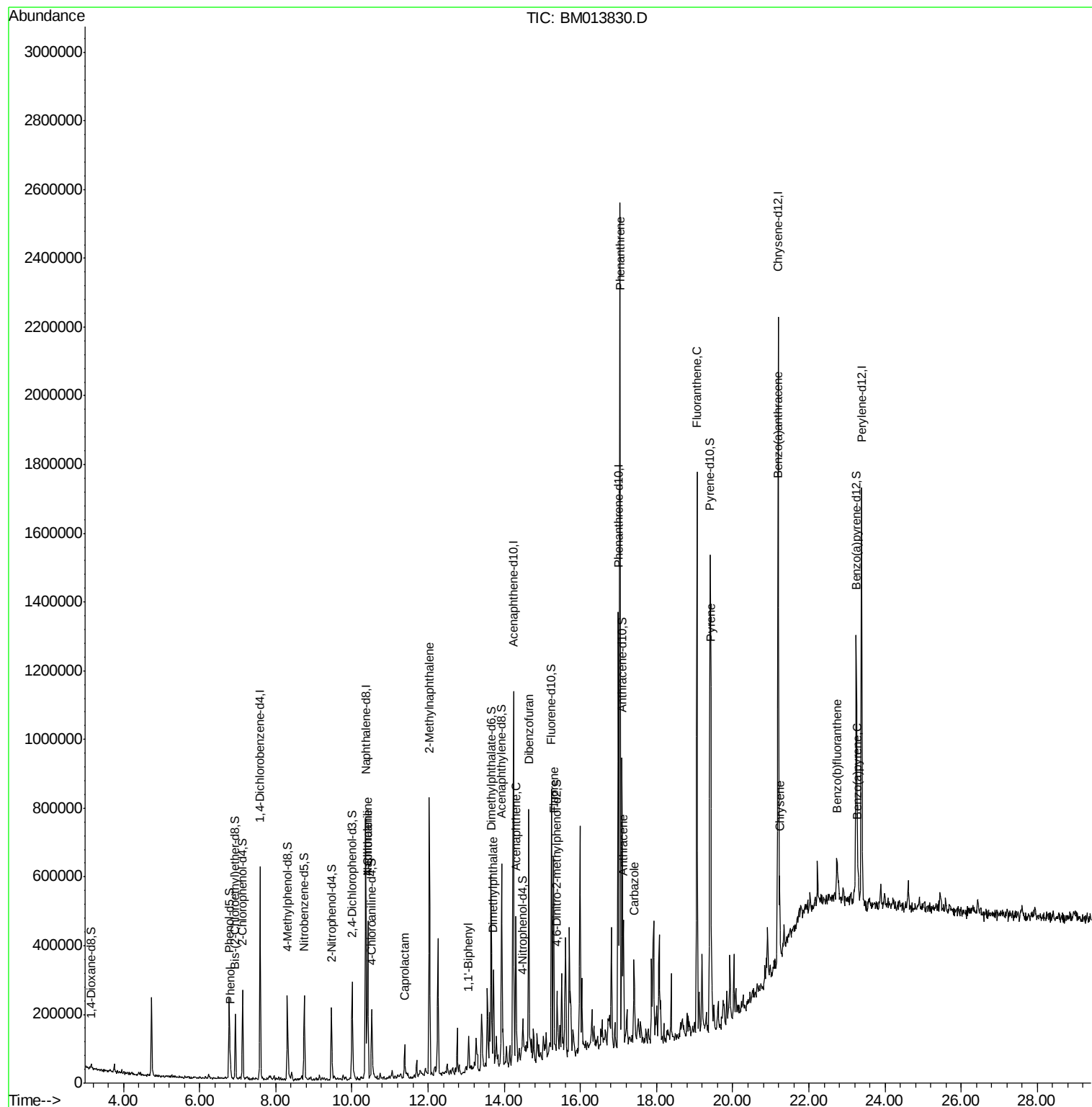
					Ovalue	
6) Phenol	6.80	94	19150	1.616	ng/ul	91
28) Naphthalene	10.41	128	347742	12.457	ng/ul	98
30) 4-Chloroaniline	10.41	127	44557	5.827	ng/ul#	1
32) Caprolactam	11.38	113	3520	1.477	ng/ul	72
34) 2-Methylnaphthalene	12.03	142	353306	16.975	ng/ul	92
40) 1,1'-Biphenyl	13.07	154	32120	1.233	ng/ul	94
44) Dimethylphthalate	13.70	163	111369	4.390	ng/ul	100
49) Acenaphthene	14.30	153	155645	7.465	ng/ul	90
53) Dibenzofuran	14.65	168	387564	12.355	ng/ul	98
58) Fluorene	15.30	166	233611	9.092	ng/ul	99
69) Phenanthrene	17.04	178	1426680	35.315	ng/ul	99
71) Anthracene	17.13	178	217525	5.220	ng/ul	97
72) Carbazole	17.41	167	106313	3.091	ng/ul	98
74) Fluoranthene	19.06	202	966508	20.042	ng/ul#	95
77) Pyrene	19.43	202	618958	11.936	ng/ul#	97
80) Benzo(a)anthracene	21.18	228	176463	3.424	ng/ul	98
82) Chrysene	21.23	228	124944	2.643	ng/ul	98
85) Benzo(b)fluoranthene	22.74	252	83476	1.619	ng/ul#	96
88) Benzo(a)pyrene	23.29	252	50989	1.047	ng/ul#	95

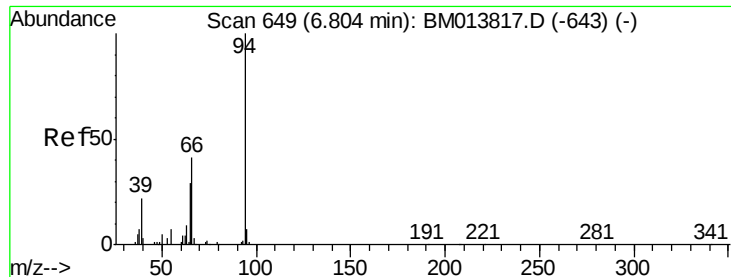
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.616 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

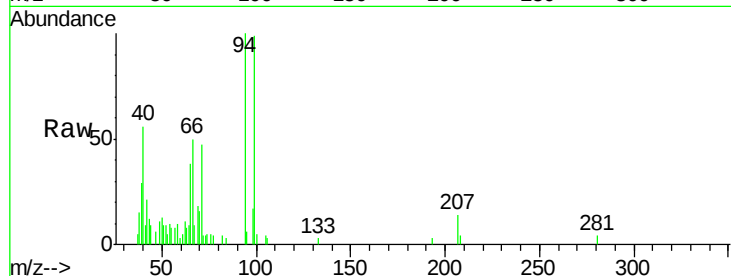
Instrument :

BNA_M

ClientSampled :

Tot Ion: 94 Resp: 19150

Ion	Ratio	Lower	Upper
94	100		
65	37.6	28.2	42.4
66	49.9	47.2	70.8

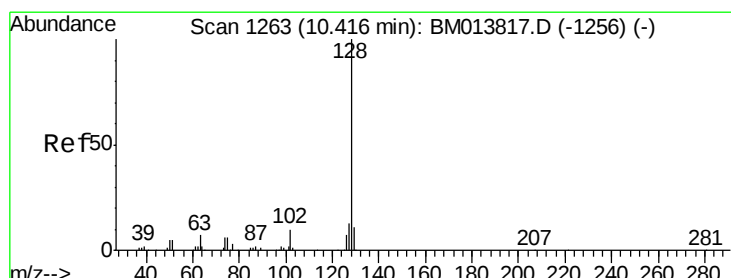
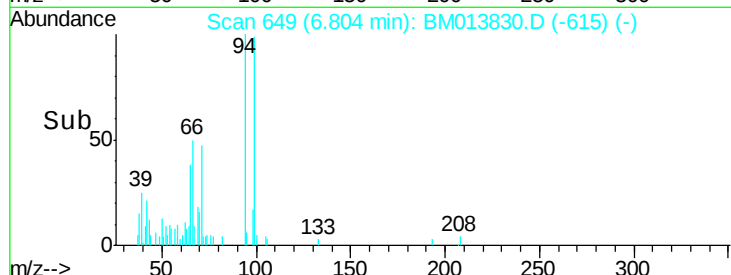
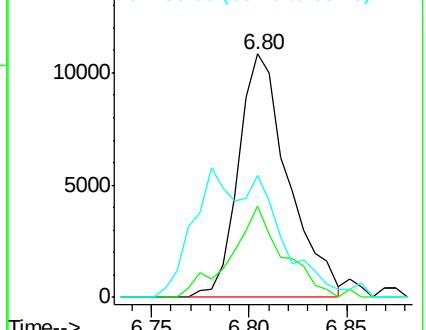


Abundance

Ion 94.00 (93.70 to 94.70): BM013817.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM013817.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM013817.D (-643) (-)



#28

Naphthalene

Concen: 12.457 ng/ul

RT: 10.41 min Scan# 1262

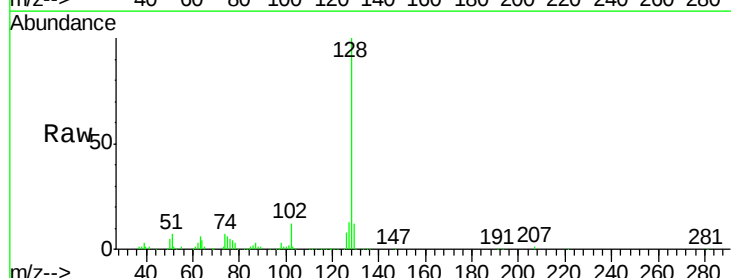
Delta R.T. -0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Tgt Ion: 128 Resp: 347742

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	12.6	10.6	16.0

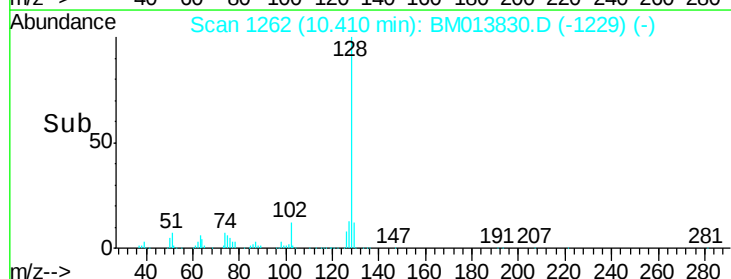
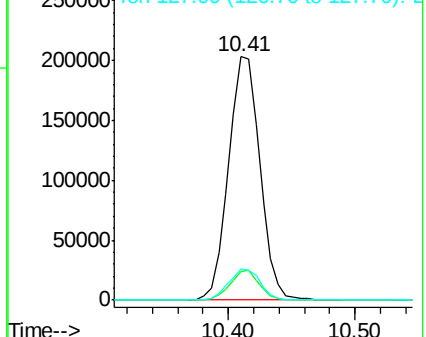


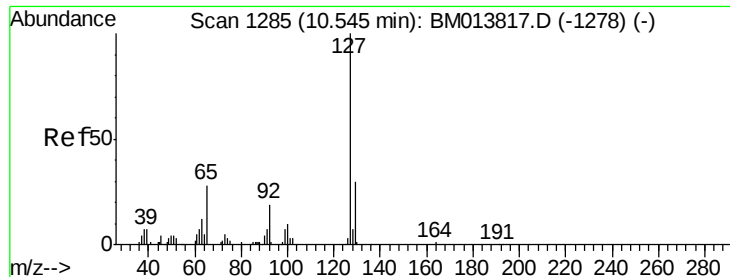
Abundance

Ion 128.00 (127.70 to 128.70): BM013817.D (-1256) (-)

Ion 129.00 (128.70 to 129.70): BM013817.D (-1256) (-)

Ion 127.00 (126.70 to 127.70): BM013817.D (-1256) (-)

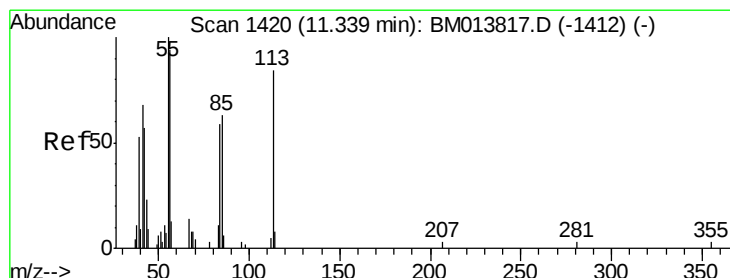
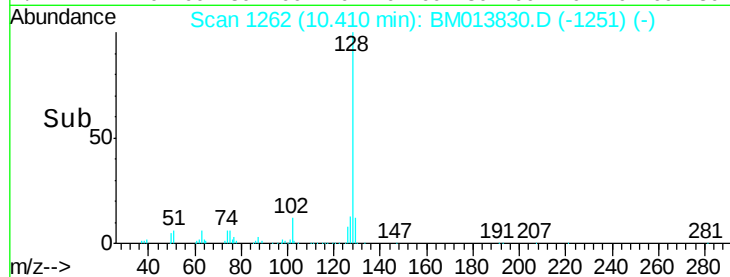
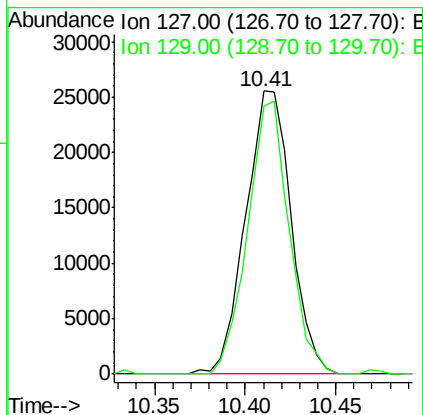
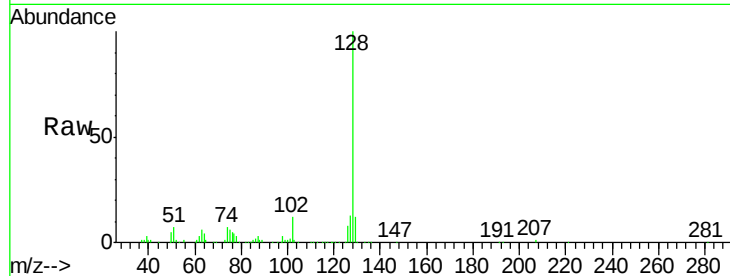




#30
 4-Chloroaniline
 Concen: 5.827 ng/ul
 RT: 10.41 min Scan# 1262
 Delta R.T. -0.14 min
 Lab File: BM013830.D
 Acq: 26 Jan 2018 05:42

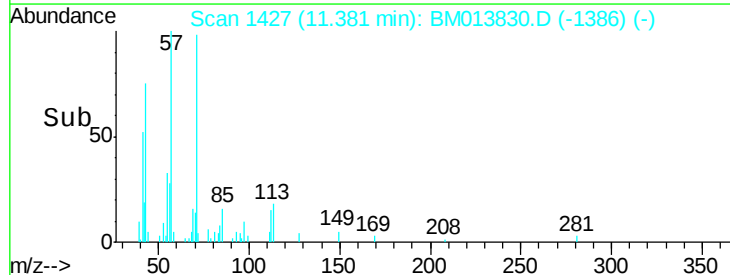
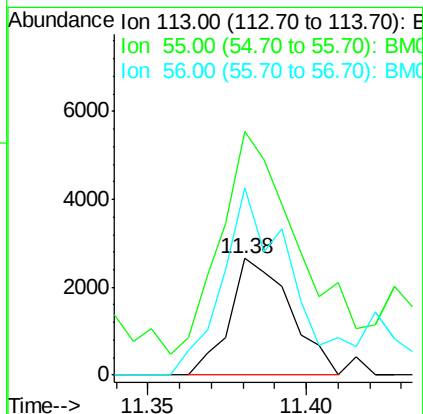
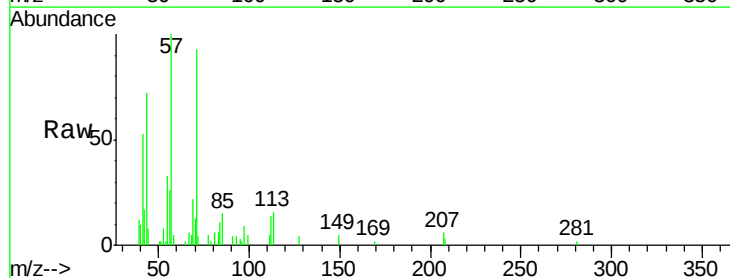
Instrument :
 BNA_M
 ClientSampled :

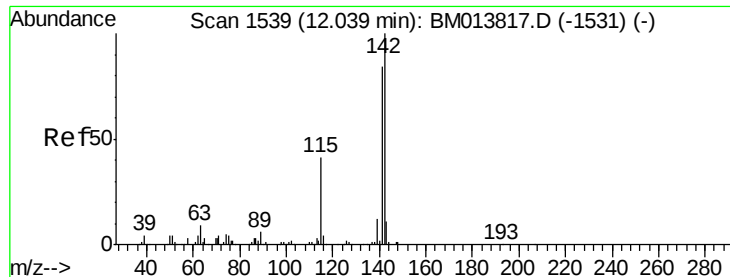
Tot Ion:127 Resp: 44557
 Ion Ratio Lower Upper
 127 100
 129 94.7 28.4 42.6#



#32
 Caprolactam
 Concen: 1.477 ng/ul
 RT: 11.38 min Scan# 1427
 Delta R.T. 0.04 min
 Lab File: BM013830.D
 Acq: 26 Jan 2018 05:42

Tgt Ion:113 Resp: 3520
 Ion Ratio Lower Upper
 113 100
 55 208.4 208.0 312.0
 56 160.7 160.0 240.0

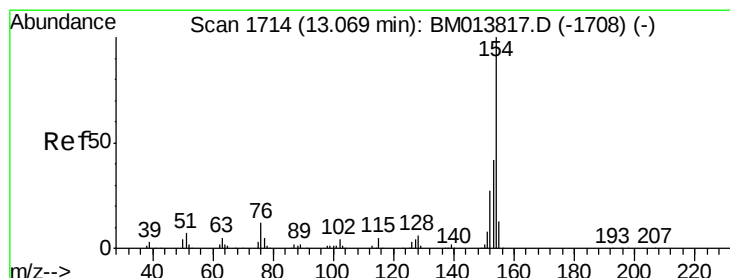
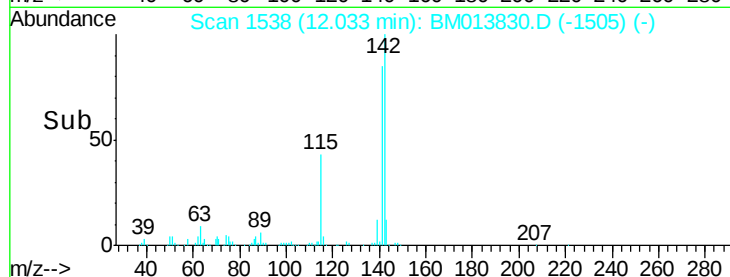
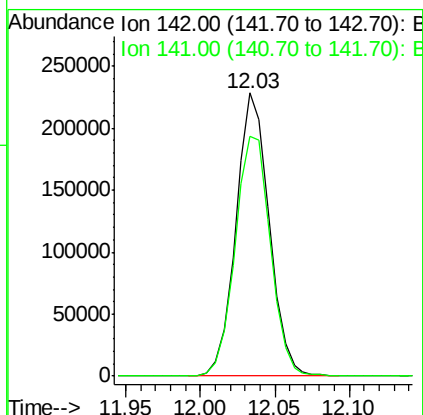
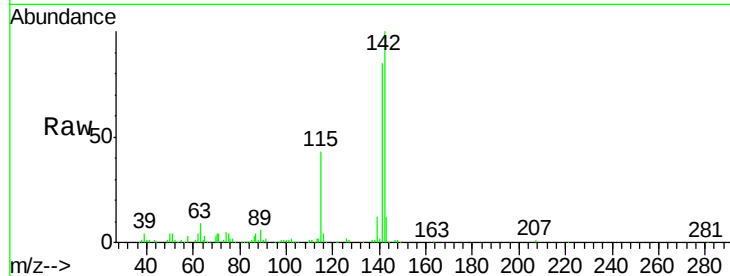




#34
 2-Methylnaphthalene
 Concen: 16.975 ng/ul
 RT: 12.03 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: BM013830.D
 Acq: 26 Jan 2018 05:42

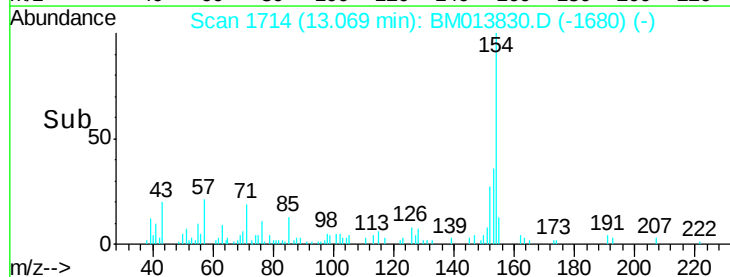
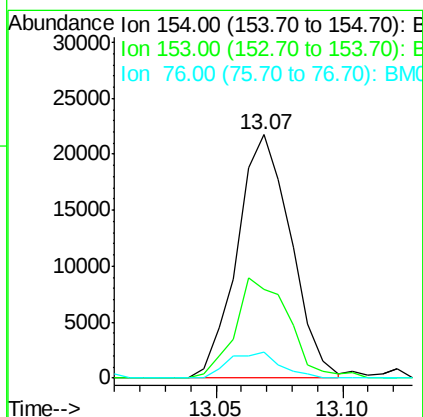
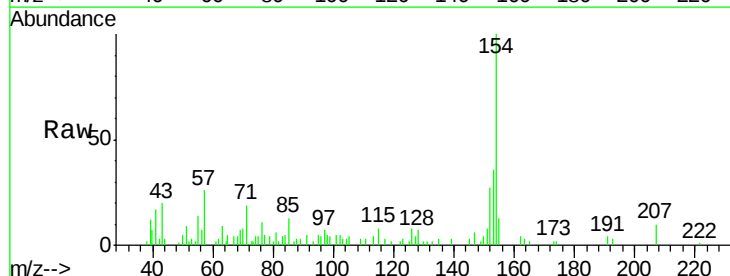
Instrument :
 BNA_M
 ClientSampled :

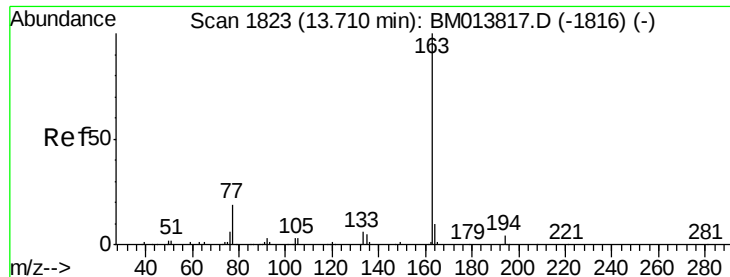
Tot Ion:142 Resp: 353306
 Ion Ratio Lower Upper
 142 100
 141 84.8 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 1.233 ng/ul
 RT: 13.07 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BM013830.D
 Acq: 26 Jan 2018 05:42

Tgt Ion:154 Resp: 32120
 Ion Ratio Lower Upper
 154 100
 153 36.4 32.6 48.8
 76 10.9 8.5 12.7





#44

Dimethylphthalate

Concen: 4.390 ng/ul

RT: 13.70 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

ClientSampleId :

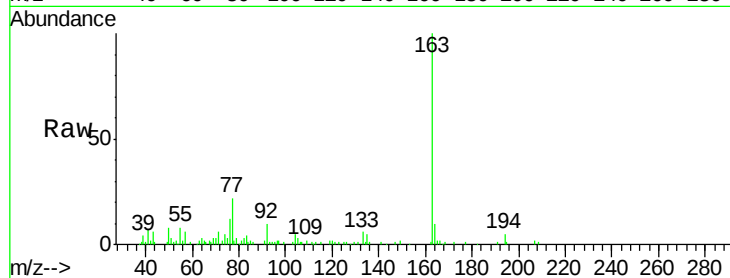
Tot Ion:163 Resp: 111369

Ion Ratio Lower Upper

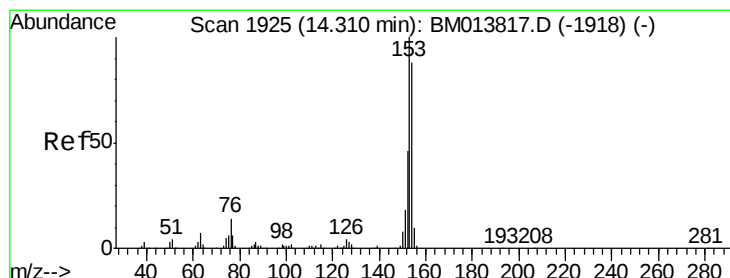
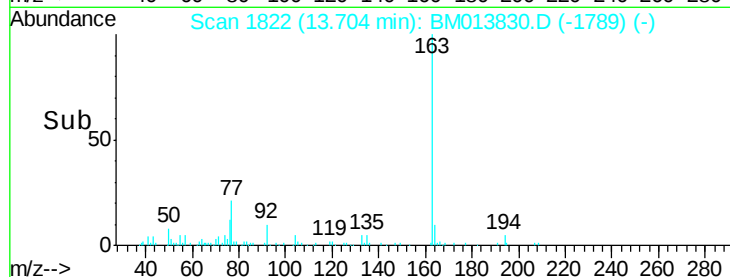
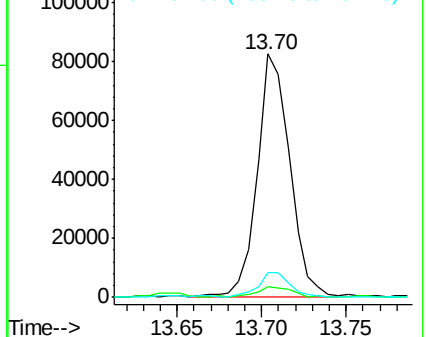
163 100

194 4.6 3.5 5.3

164 10.3 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: 7.465 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

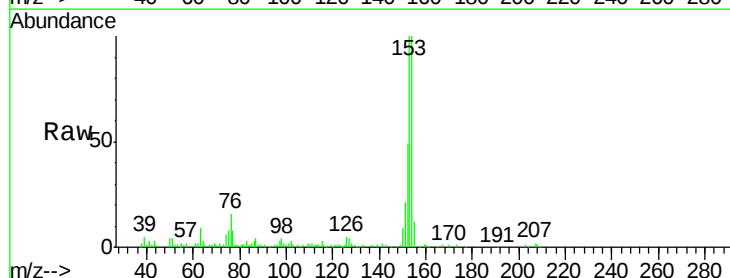
Tgt Ion:153 Resp: 155645

Ion Ratio Lower Upper

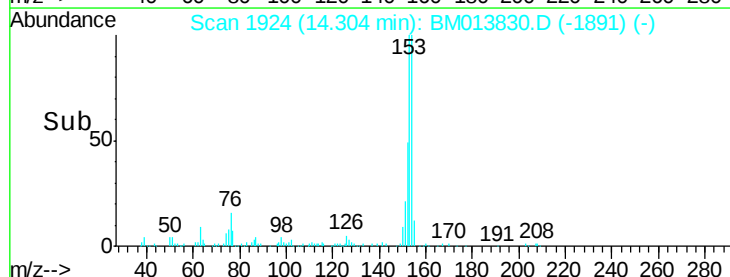
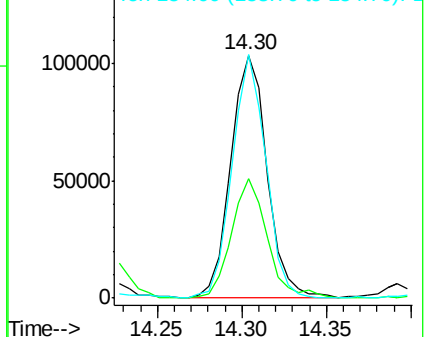
153 100

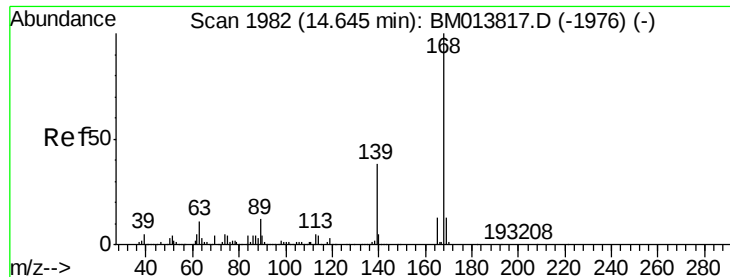
152 49.0 37.6 56.4

154 100.3 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

Dibenzenofuran

Concen: 12.355 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

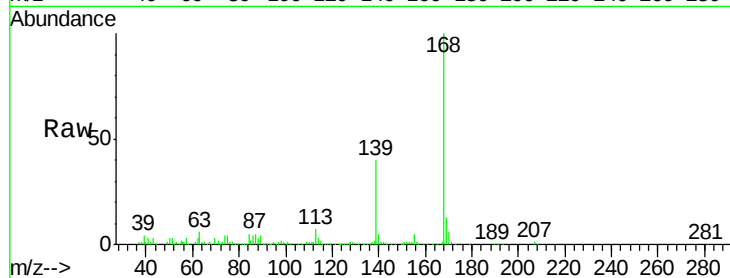
ClientSampleId :

Tot Ion:168 Resp: 387564

Ion Ratio Lower Upper

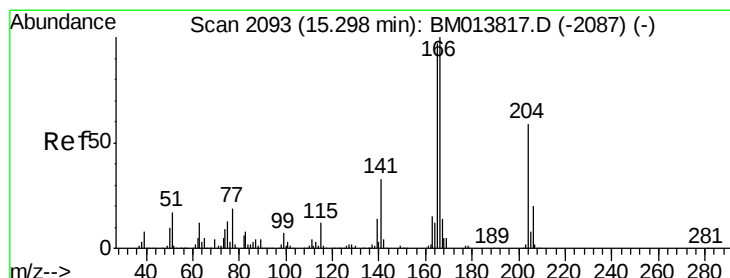
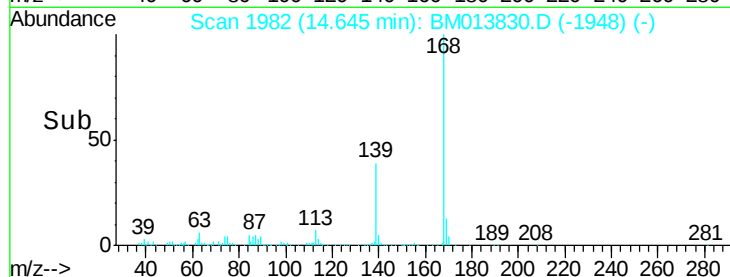
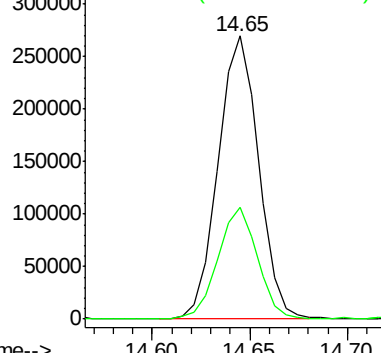
168 100

139 39.7 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: 9.092 ng/ul

RT: 15.30 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

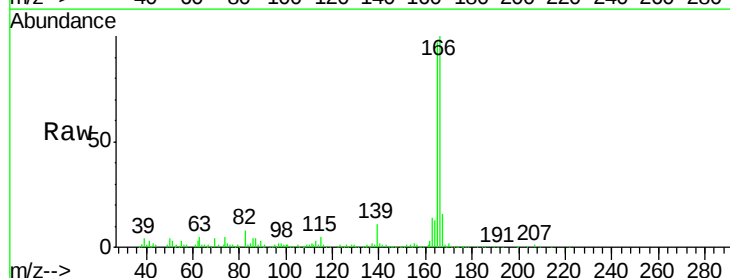
Tgt Ion:166 Resp: 233611

Ion Ratio Lower Upper

166 100

165 97.3 77.9 116.9

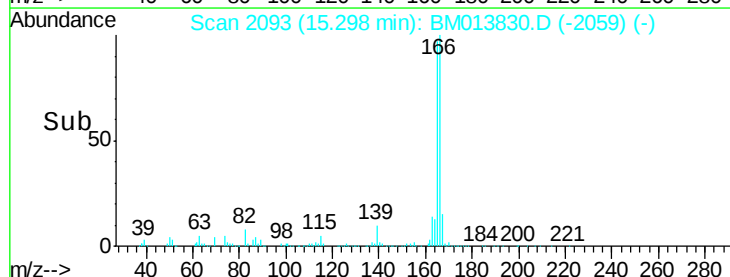
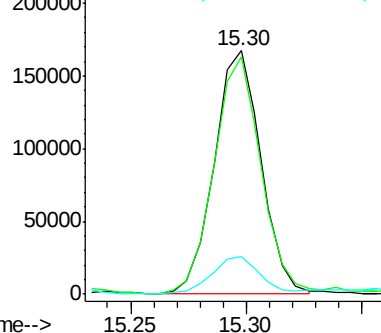
167 15.5 10.6 16.0

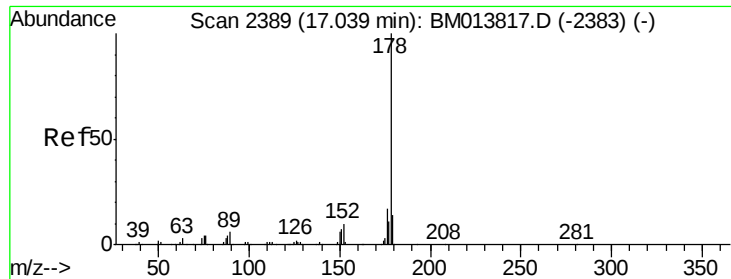


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 35.315 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

ClientSampleId :

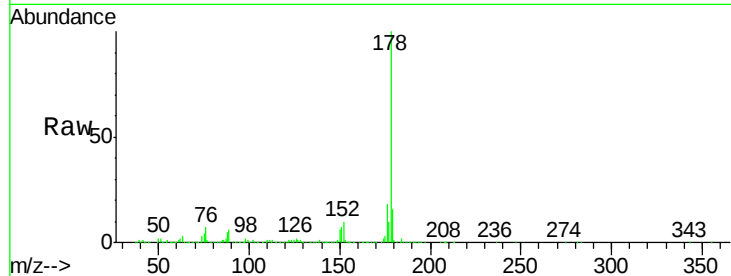
Tot Ion:178 Resp: 1426680

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

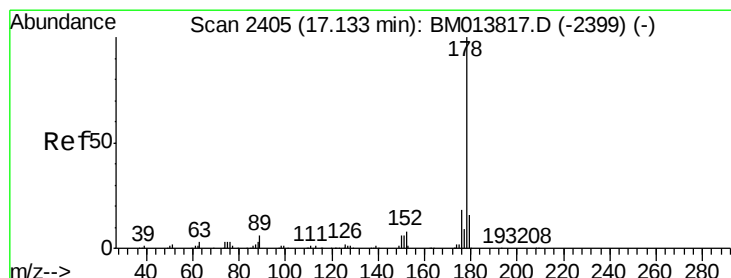
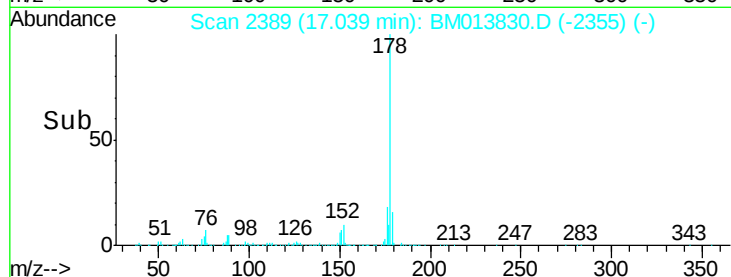
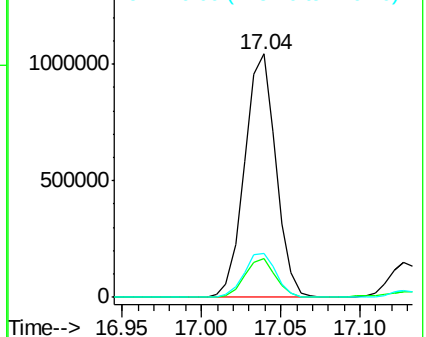
176 17.9 14.9 22.3



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: 5.220 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

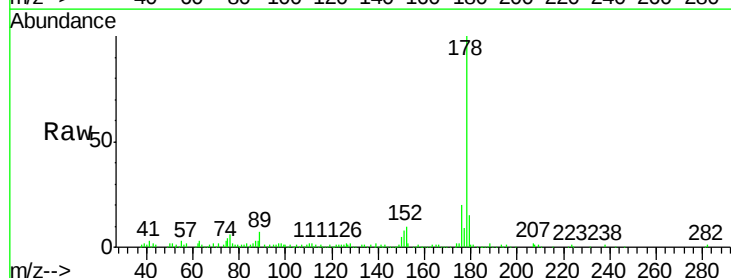
Tgt Ion:178 Resp: 217525

Ion Ratio Lower Upper

178 100

179 15.4 11.7 17.5

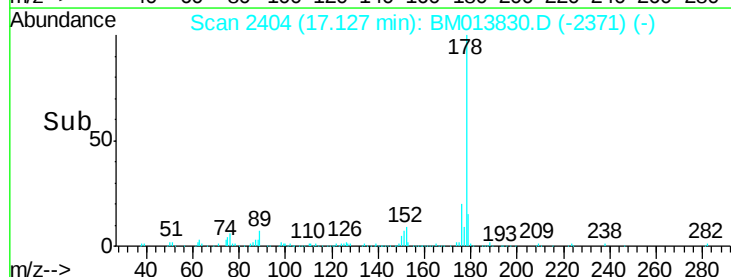
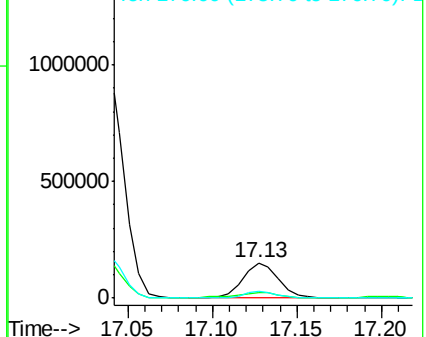
176 19.9 14.6 21.8

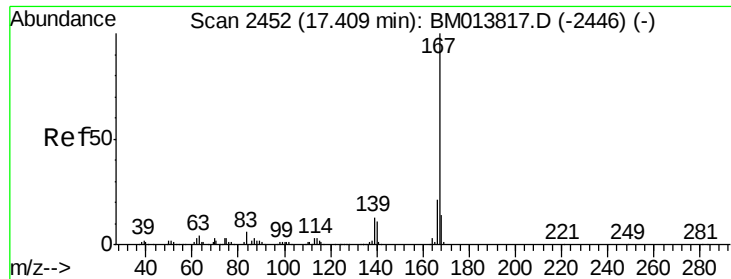


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.091 ng/ul

RT: 17.41 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

ClientSampleId :

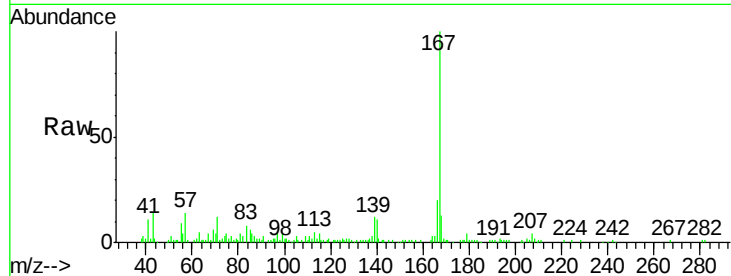
Tot Ion:167 Resp: 106313

Ion Ratio Lower Upper

167 100

166 20.5 17.1 25.7

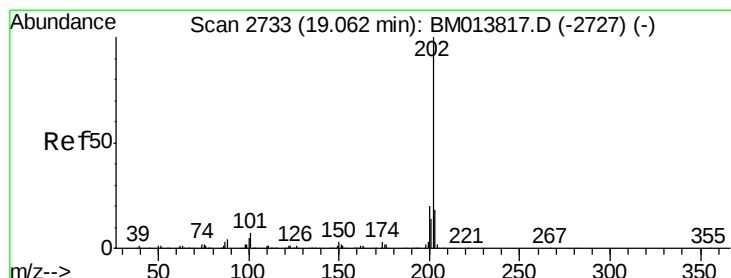
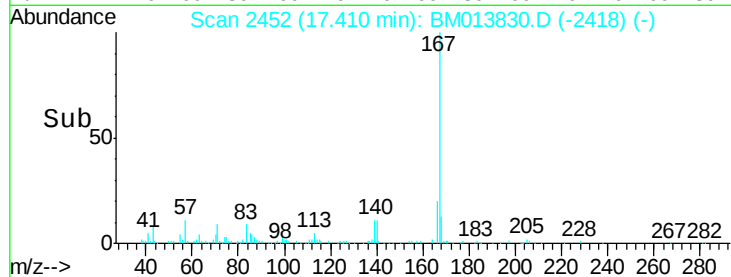
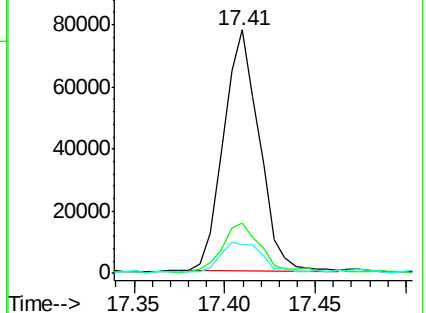
139 11.8 10.0 15.0



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: 20.042 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

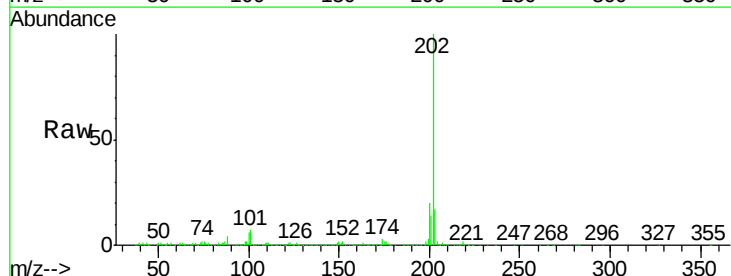
Tgt Ion:202 Resp: 966508

Ion Ratio Lower Upper

202 100

101 7.5 4.6 7.0#

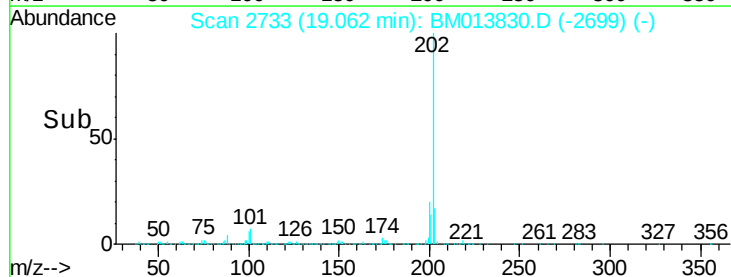
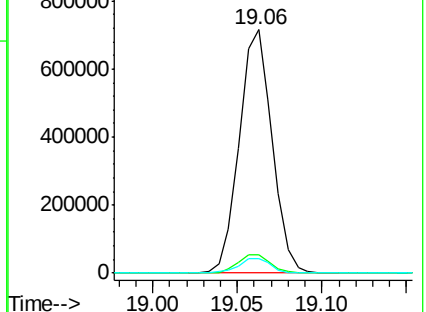
100 5.8 3.4 5.2#

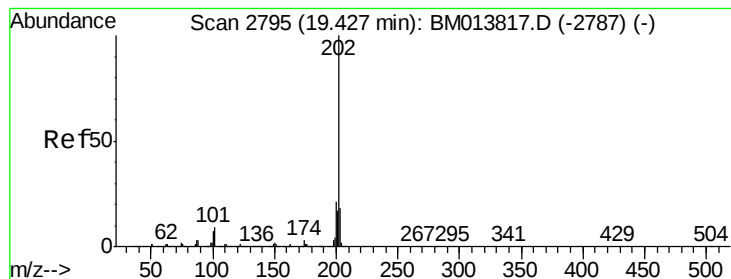


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 11.936 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

ClientSampleId :

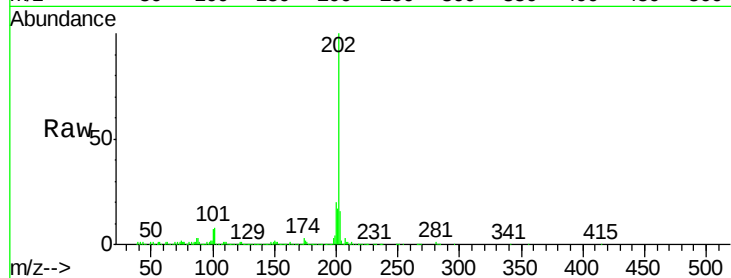
Tot Ion:202 Resp: 618958

Ion Ratio Lower Upper

202 100

101 7.8 5.1 7.7#

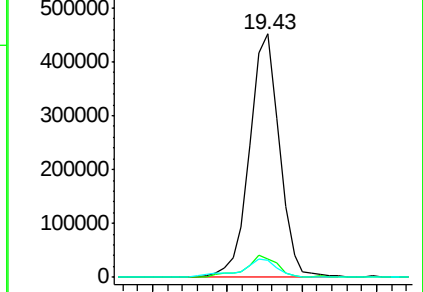
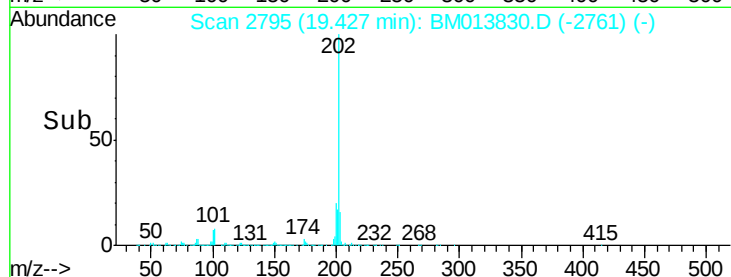
100 7.0 4.9 7.3



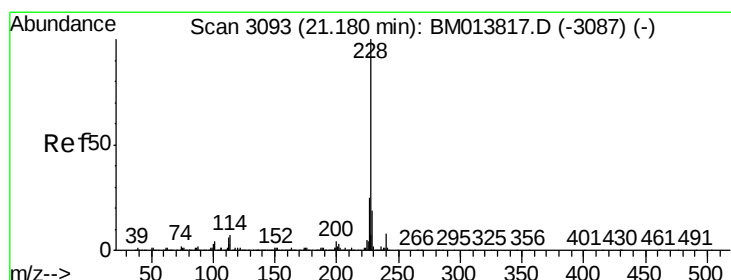
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Benzo(a)anthracene

Concen: 3.424 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

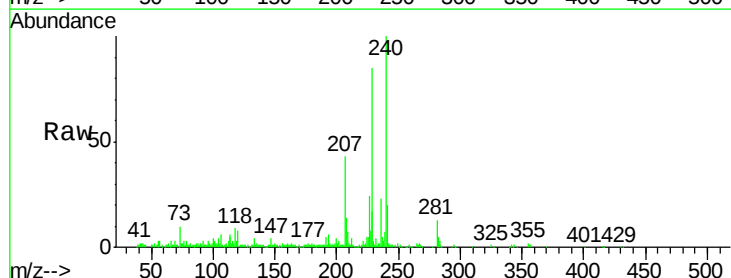
Tgt Ion:228 Resp: 176463

Ion Ratio Lower Upper

228 100

229 20.4 15.4 23.0

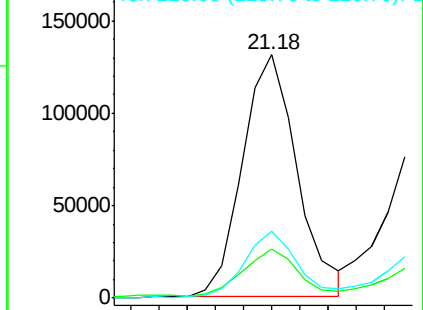
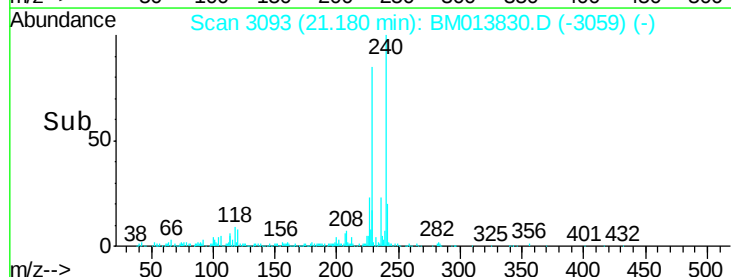
226 27.6 21.4 32.0



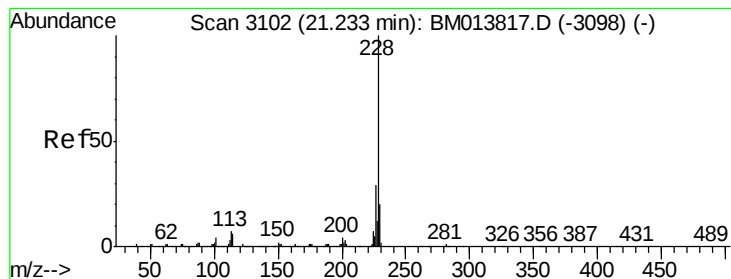
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#82

Chrysene

Concen: 2.643 ng/ul

RT: 21.23 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

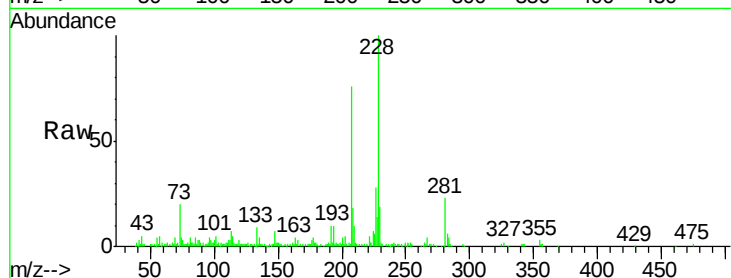
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 124944

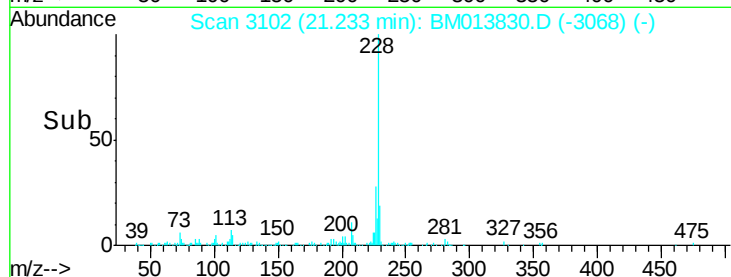
Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.4	35.2
229	19.4	15.5	23.3



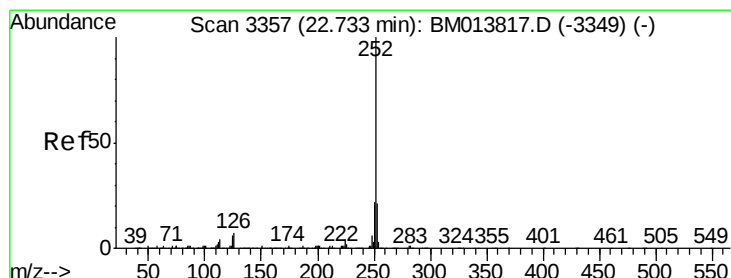
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 1.619 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

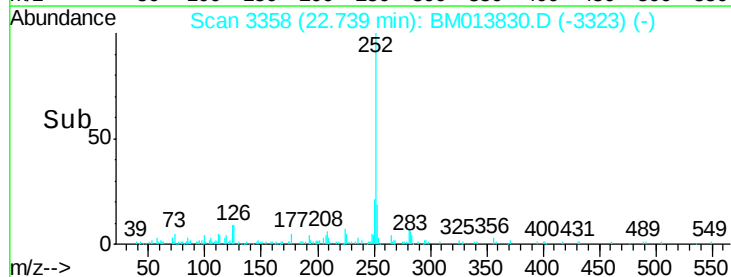
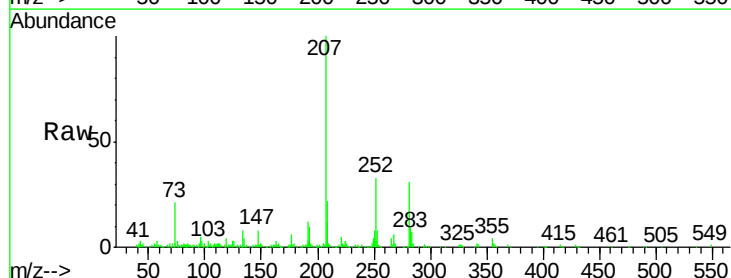
Tgt Ion:252 Resp: 83476

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.5	3.6	5.4

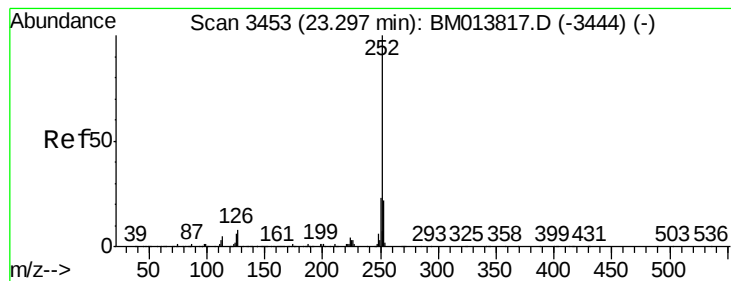
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#88

Benzo(a)pyrene

Concen: 1.047 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BM013830.D

Acq: 26 Jan 2018 05:42

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 50989

Ion Ratio Lower Upper

252 100

253 20.2 18.2 27.2

125 7.0 4.0 6.0#

