

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021819\
 Data File : BM018843.D
 Acq On : 18 Feb 2019 18:00
 Operator : JU/SJ
 Sample : K1518-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-MH-C05

Quant Time: Feb 19 01:36:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

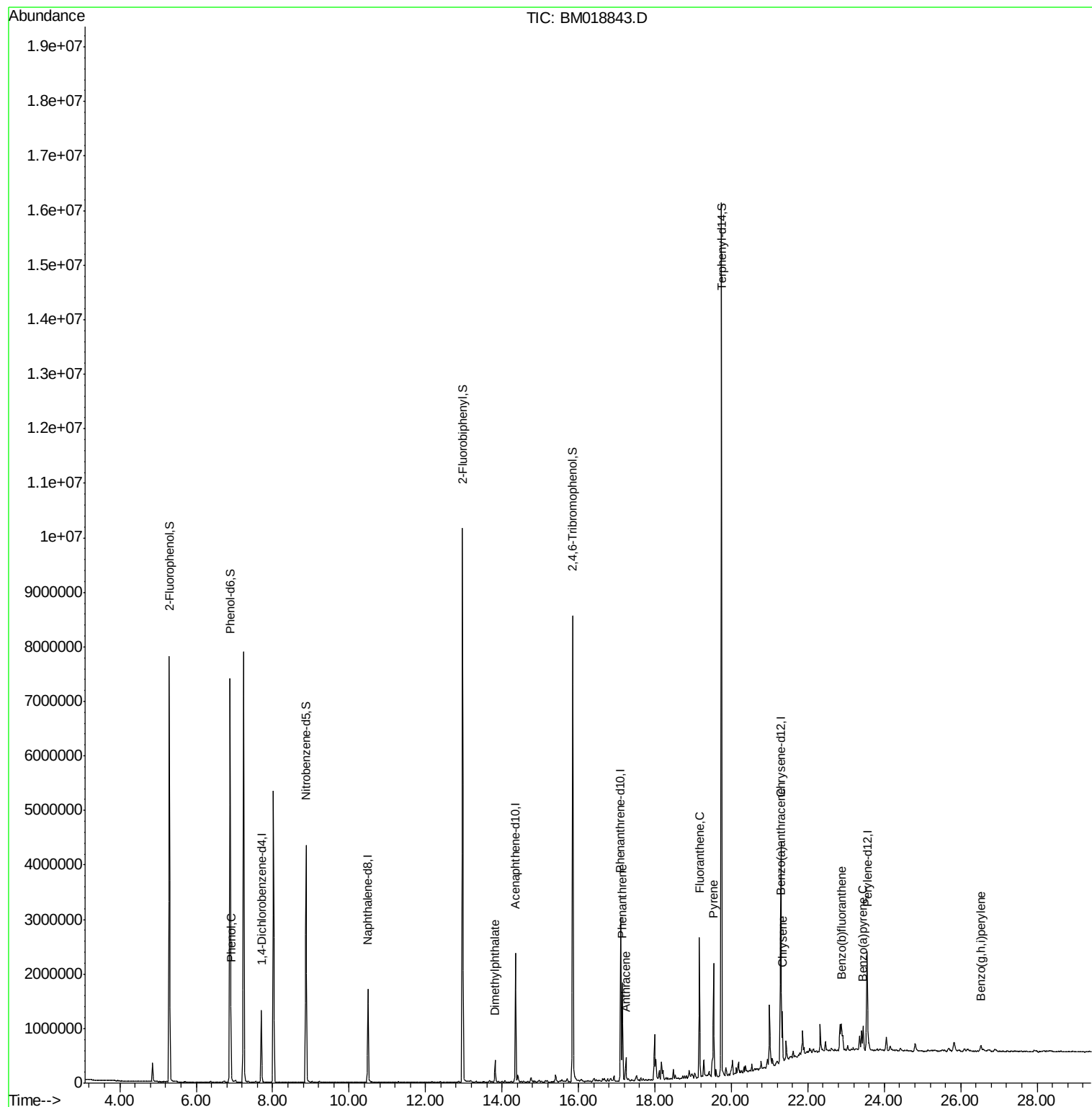
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	334167	20.00	ng	-0.01
21) Naphthalene-d8	10.49	136	1357445	20.00	ng	-0.01
39) Acenaphthene-d10	14.36	164	750882	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	1667972	20.00	ng	-0.01
76) Chrysene-d12	21.30	240	1516905	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1273597	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	3061390	150.10	ng	0.00
7) Phenol-d6	6.89	99	4253966	148.06	ng	0.00
23) Nitrobenzene-d5	8.87	82	2736415	93.21	ng	-0.01
42) 2,4,6-Tribromophenol	15.85	330	1510802	139.58	ng	-0.01
45) 2-Fluorobiphenyl	12.97	172	4882352	86.31	ng	-0.01
79) Terphenyl-d14	19.74	244	6850979	93.17	ng	0.00
Target Compounds						
10) Phenol	6.91	94	297169	9.830	ng	97
50) Dimethylphthalate	13.82	163	237510	3.795	ng	99
71) Phenanthrene	17.14	178	1017452	11.351	ng	100
72) Anthracene	17.24	178	246296	2.823	ng	98
75) Fluoranthene	19.17	202	1336376	12.906	ng	99
78) Pyrene	19.53	202	1178124	13.373	ng	100
81) Benzo(a)anthracene	21.28	228	528532	5.977	ng	99
83) Chrysene	21.33	228	451774	5.331	ng	97
88) Benzo(b)fluoranthene	22.87	252	433750	5.953	ng	96
90) Benzo(a)pyrene	23.45	252	294823	4.271	ng	# 95
92) Benzo(g,h,i)perylene	26.53	276	131104	2.059	ng	97

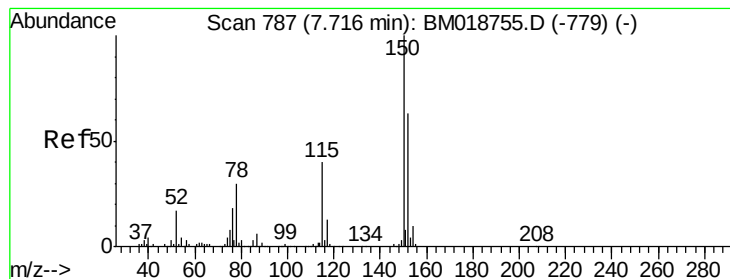
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021819\
Data File : BM018843.D
Acq On : 18 Feb 2019 18:00
Operator : JU/SJ
Sample : K1518-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

Quant Time: Feb 19 01:36:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration



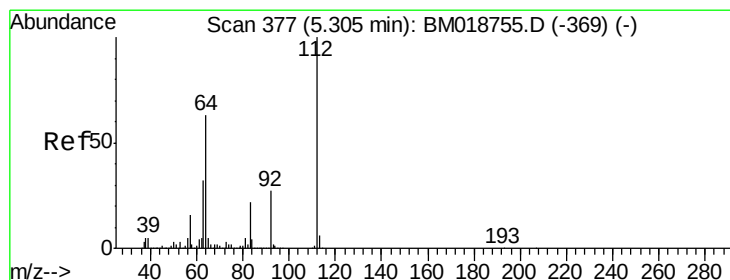
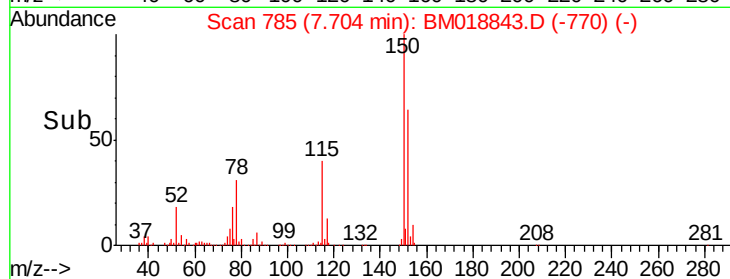
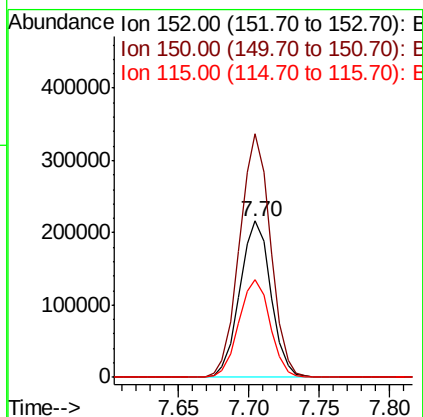
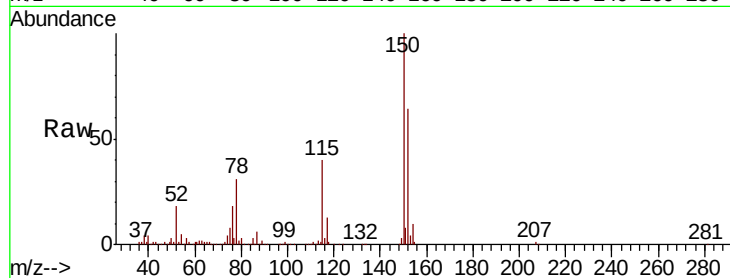


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

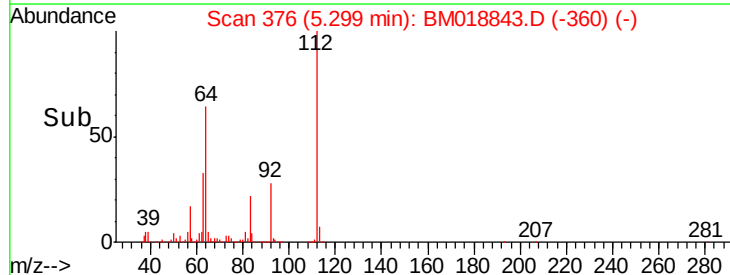
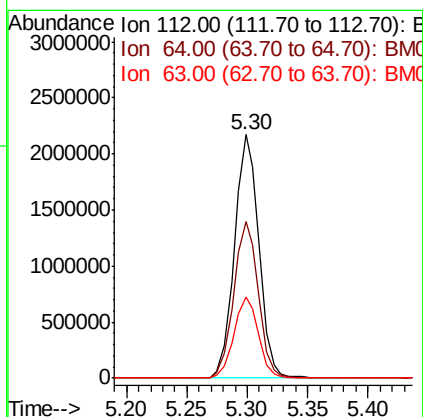
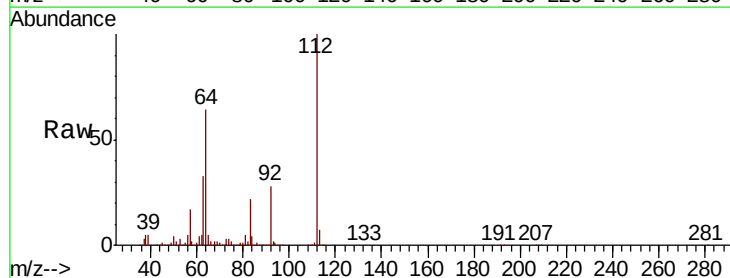
Tot Ion:152 Resp: 334167
Ion Ratio Lower Upper
152 100
150 155.8 127.3 190.9
115 62.7 50.8 76.2

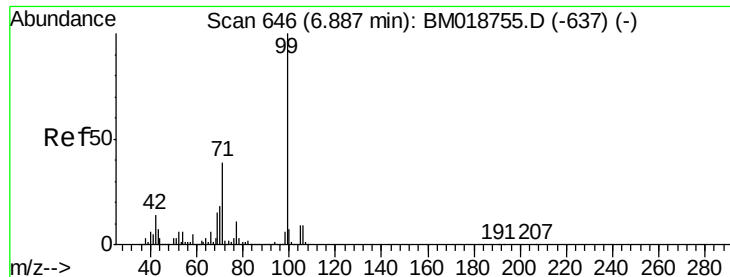


#5

2-Fluorophenol
Concen: 150.105 ng
RT: 5.30 min Scan# 376
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion:112 Resp: 3061390
Ion Ratio Lower Upper
112 100
64 64.5 50.6 75.8
63 33.4 25.7 38.5





#7

Phenol-d6

Concen: 148.059 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

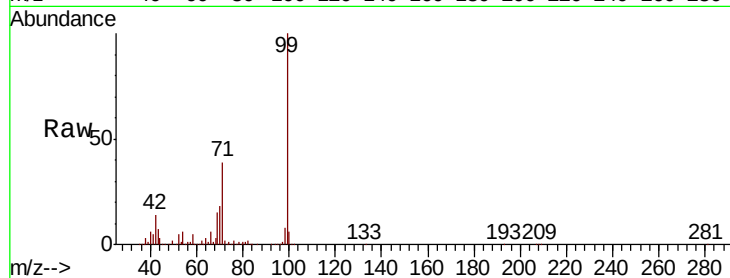
BNA_M

ClientSampleId :

TP-MH-C05

Tot Ion: 99 Resp: 4253966

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.0	16.6
71	38.5	31.3	46.9

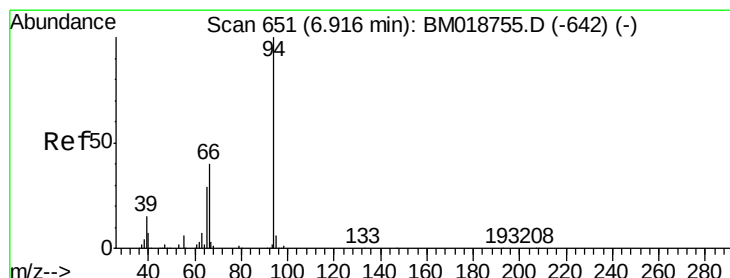
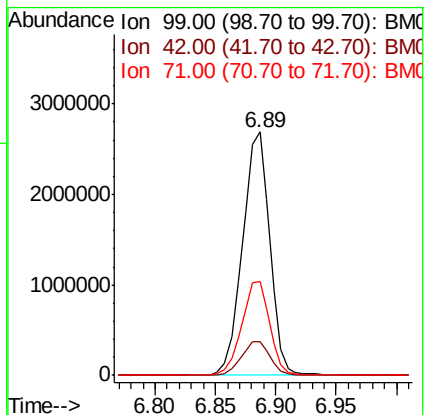
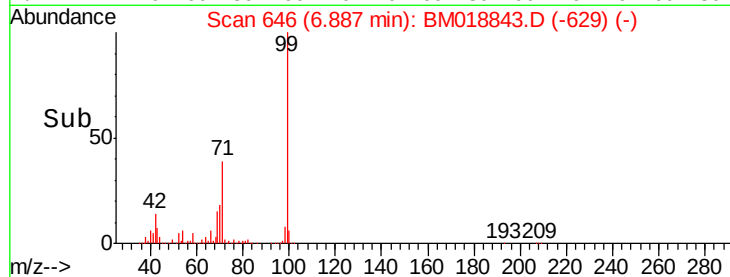


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#10

Phenol

Concen: 9.830 ng

RT: 6.91 min Scan# 650

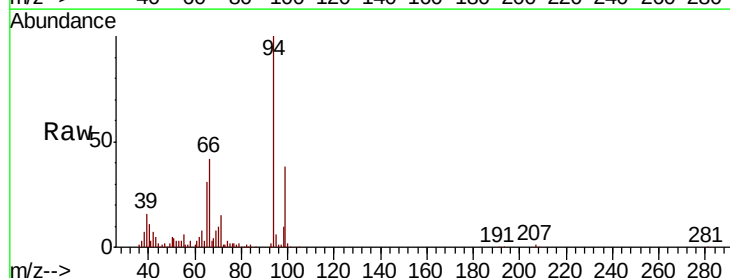
Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Tgt Ion: 94 Resp: 297169

Ion	Ratio	Lower	Upper
94	100		
65	31.2	9.6	49.6
66	42.3	20.4	60.4

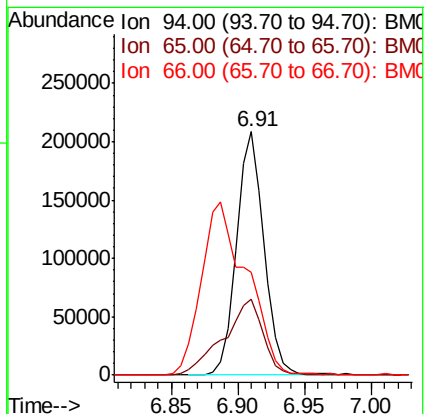
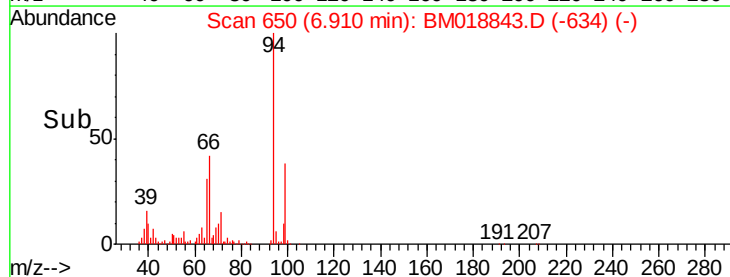


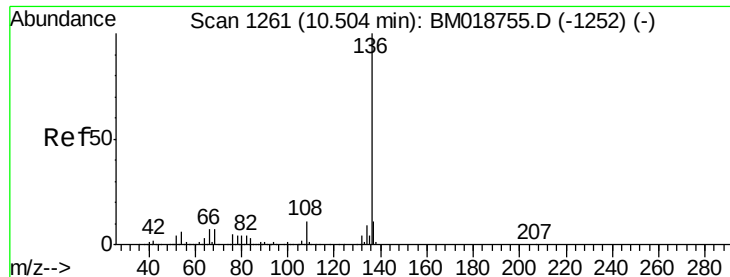
Abundance

Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)

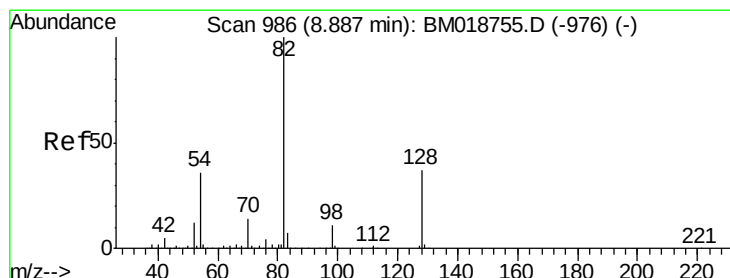
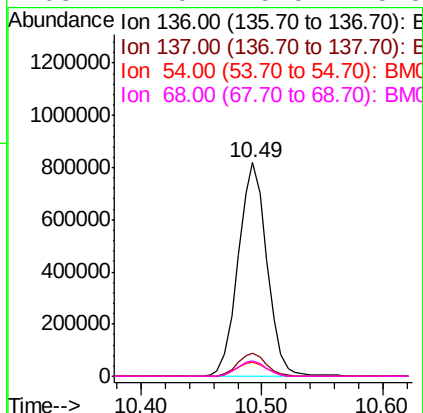
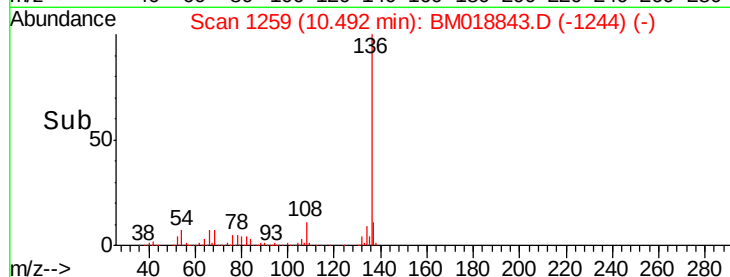
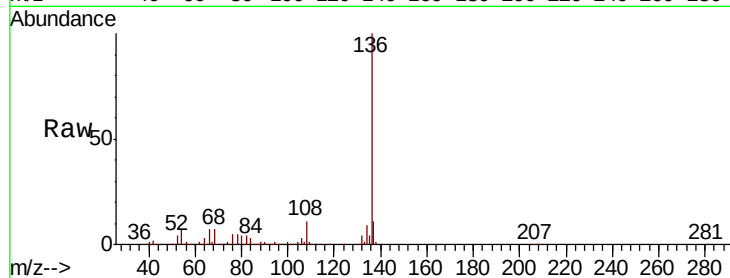




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

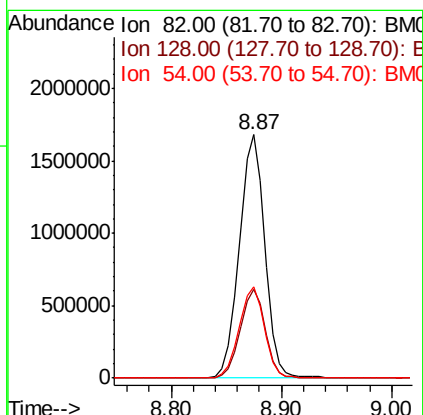
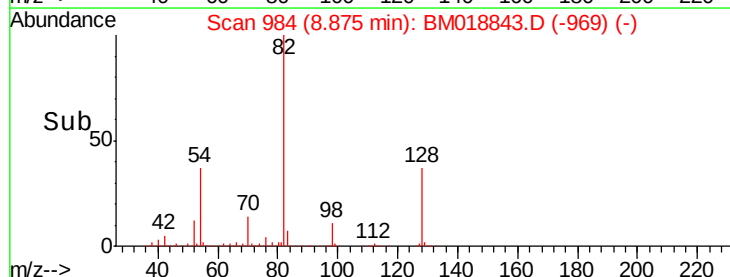
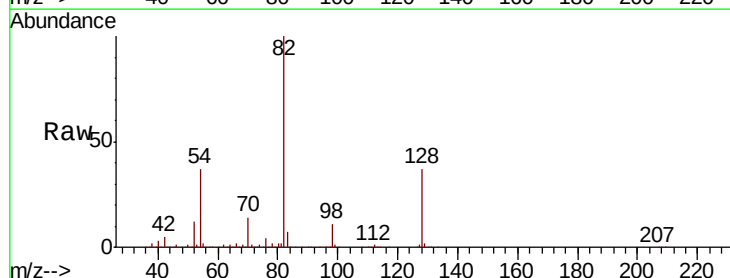
Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

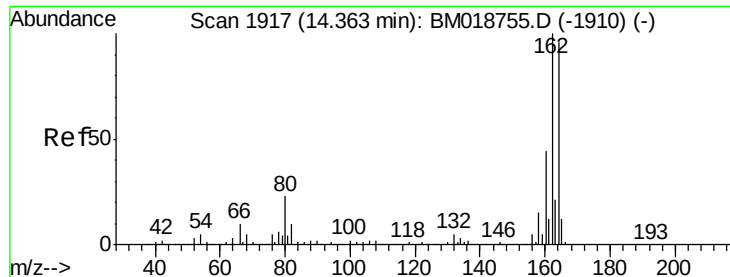
Tot Ion:136 Resp: 1357445
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.9 5.0 7.6
68 7.0 5.5 8.3



#23
Nitrobenzene-d5
Concen: 93.210 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion: 82 Resp: 2736415
Ion Ratio Lower Upper
82 100
128 36.6 29.9 44.9
54 37.3 29.1 43.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.36 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

BNA_M

ClientSampleId :

TP-MH-C05

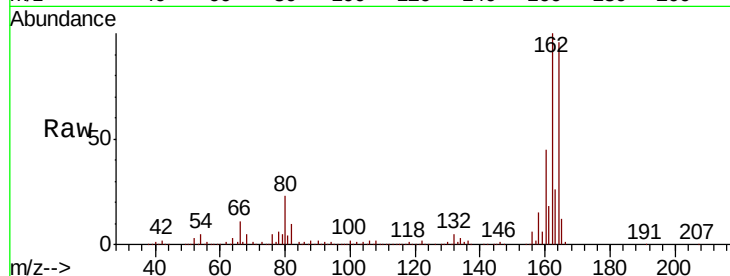
Tot Ion:164 Resp: 750882

Ion Ratio Lower Upper

164 100

162 104.0 83.4 125.0

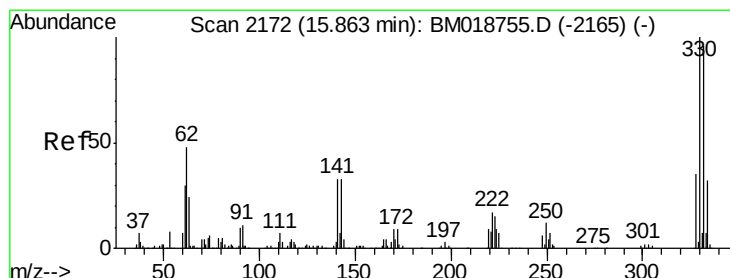
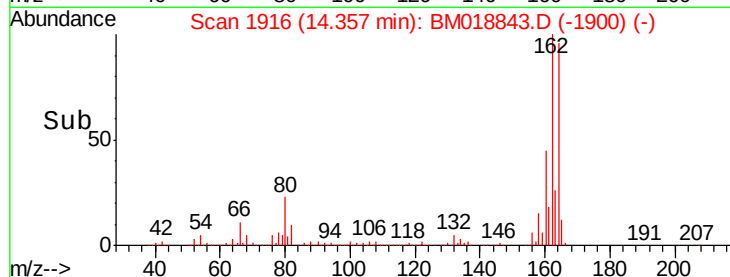
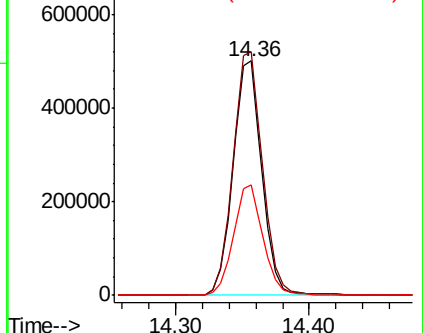
160 47.3 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 139.582 ng

RT: 15.85 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

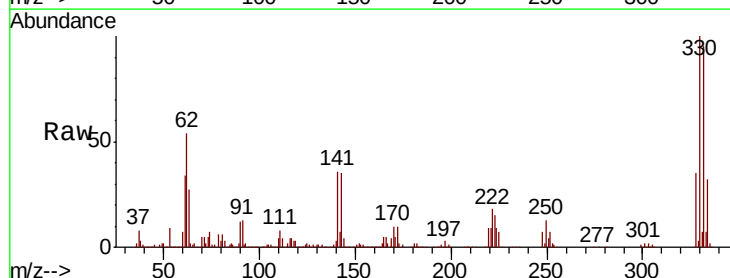
Tgt Ion:330 Resp: 1510802

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

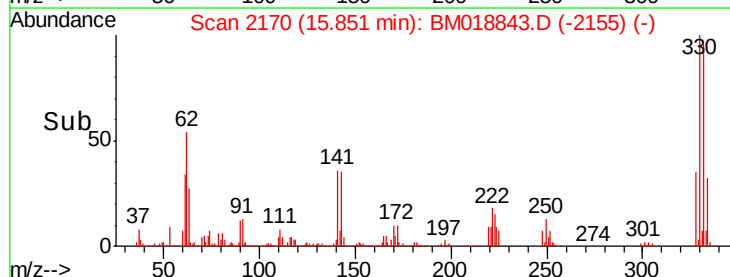
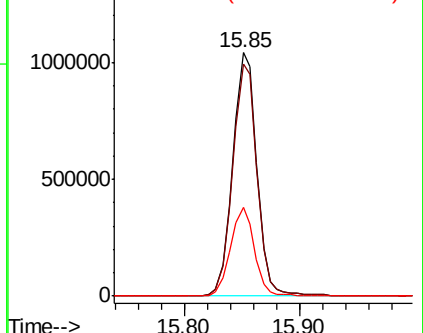
141 36.3 28.7 43.1

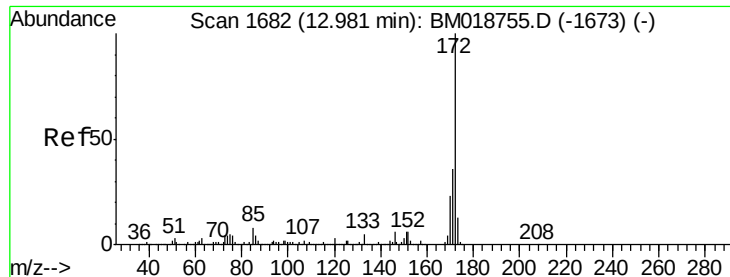


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

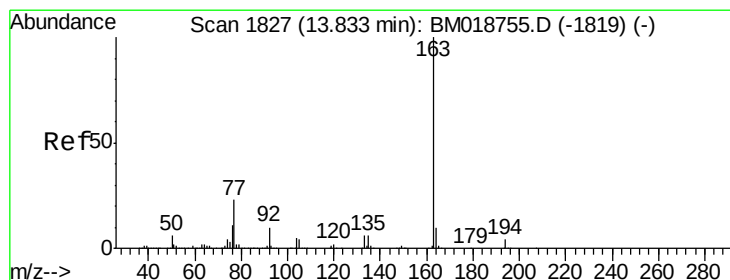
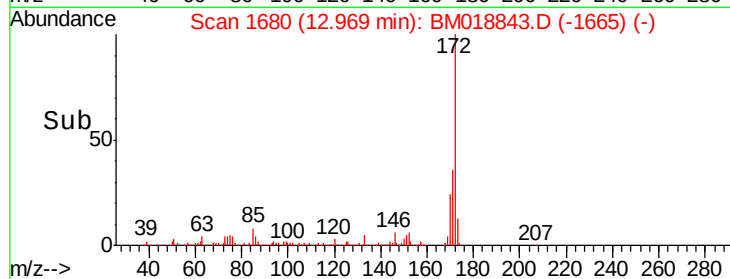
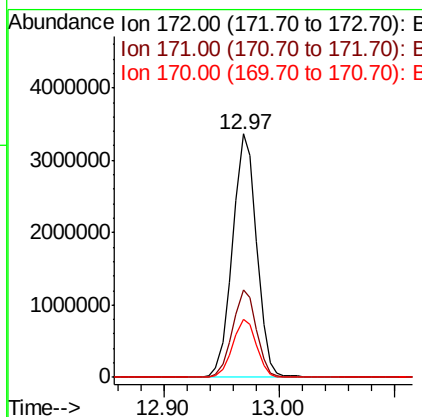
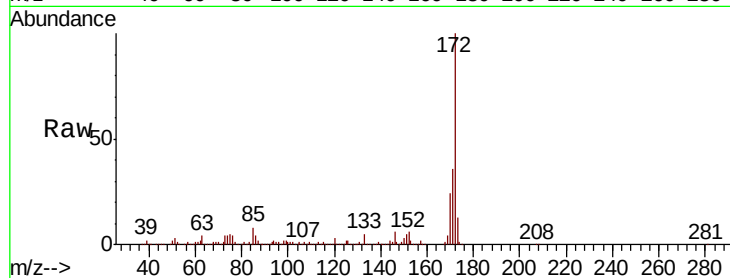




#45
2-Fluorobiphenyl
Concen: 86.315 ng
RT: 12.97 min Scan# 1680
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

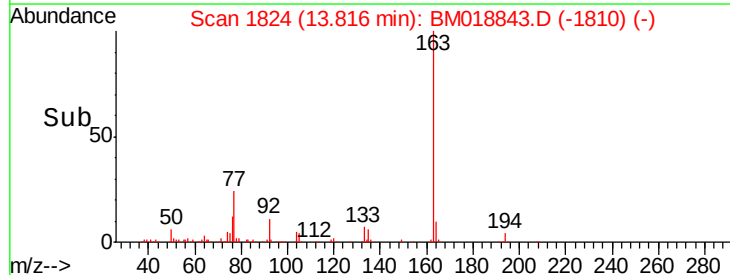
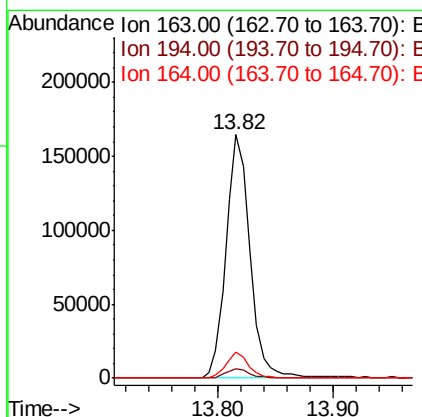
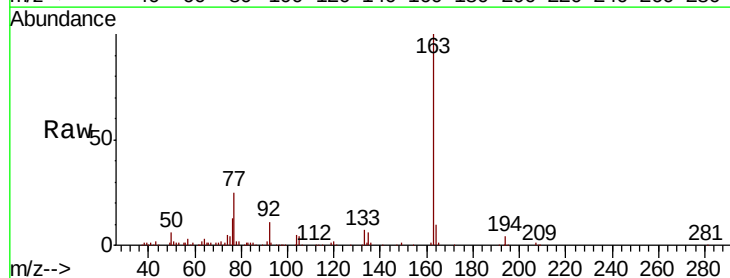
Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

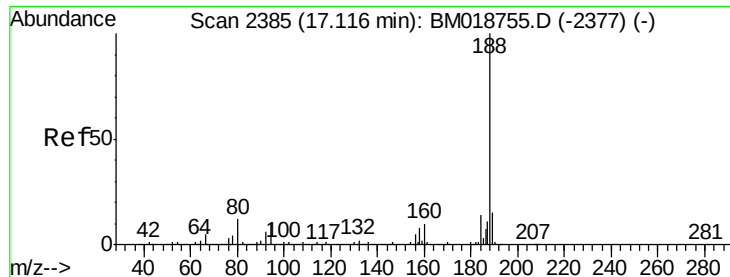
Tot Ion:172 Resp: 4882352
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.7 18.6 28.0



#50
Dimethylphthalate
Concen: 3.795 ng
RT: 13.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion:163 Resp: 237510
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.4 7.8 11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

BNA_M

ClientSampleId :

TP-MH-C05

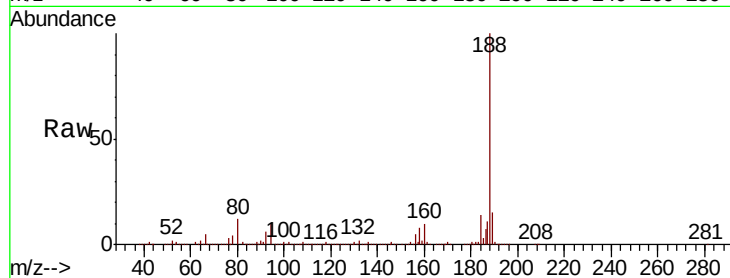
Tot Ion:188 Resp: 1667972

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

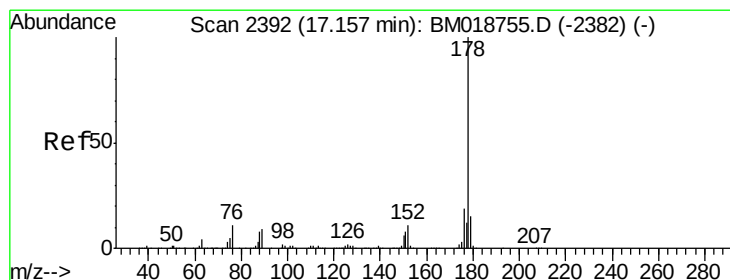
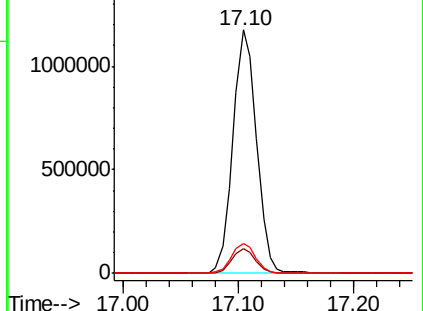
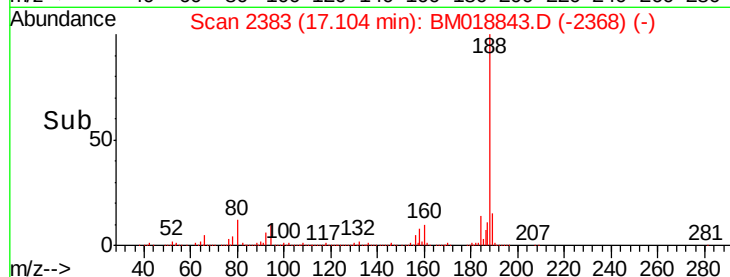
80 12.5 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 11.351 ng

RT: 17.14 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

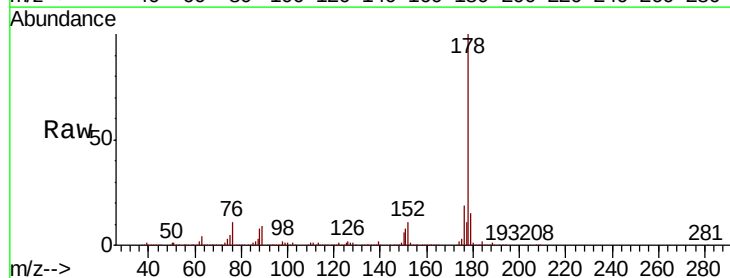
Tgt Ion:178 Resp: 1017452

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

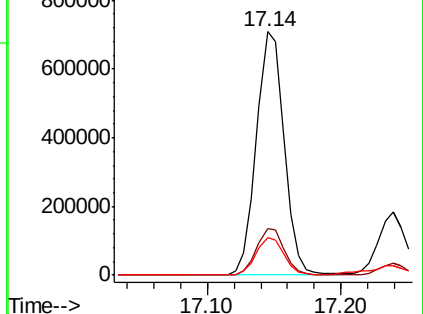
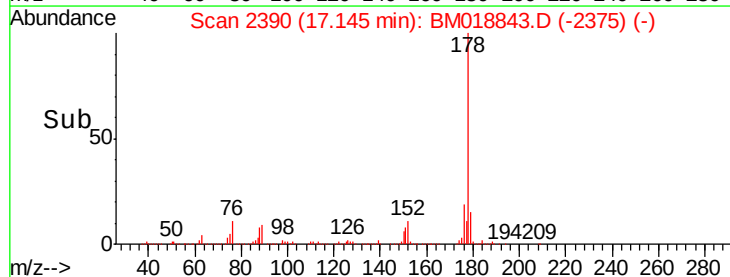
179 15.3 12.3 18.5

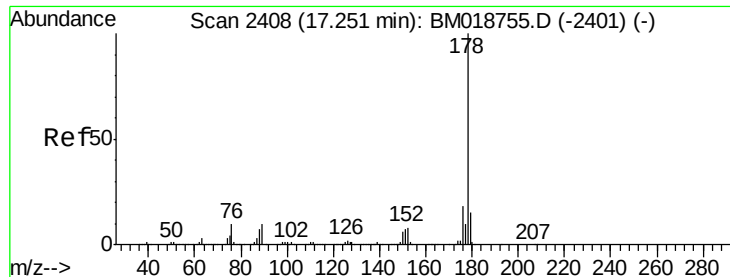


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.823 ng

RT: 17.24 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

BNA_M

ClientSampleId :

TP-MH-C05

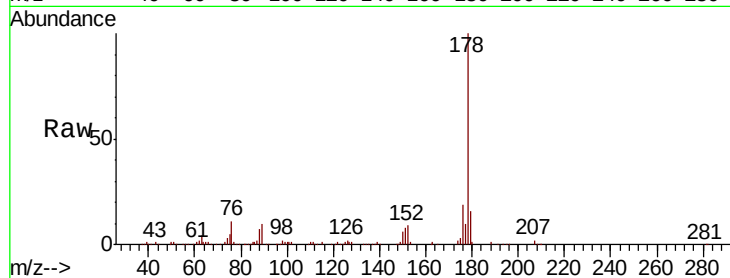
Tot Ion:178 Resp: 246296

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

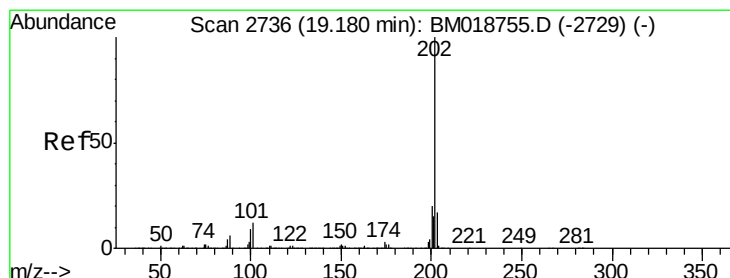
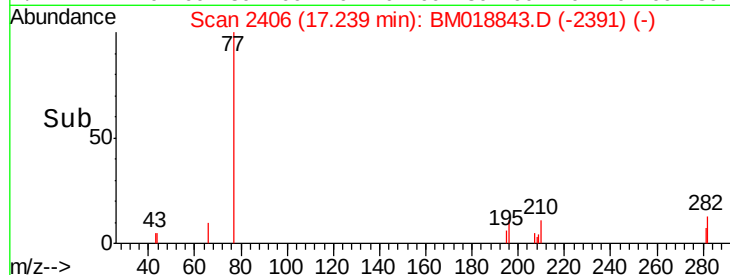
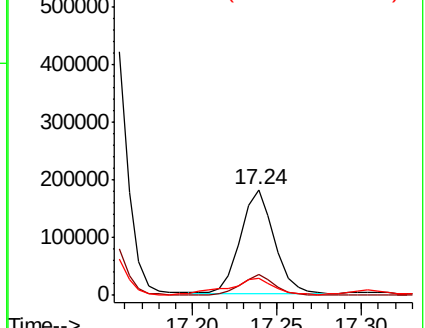
179 15.8 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.906 ng

RT: 19.17 min Scan# 2734

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

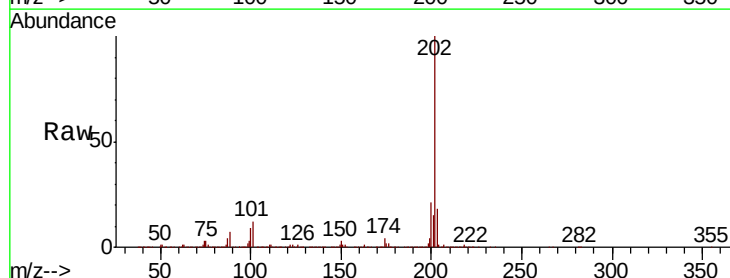
Tgt Ion:202 Resp: 1336376

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

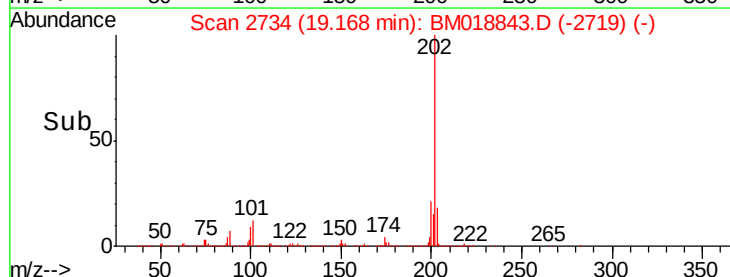
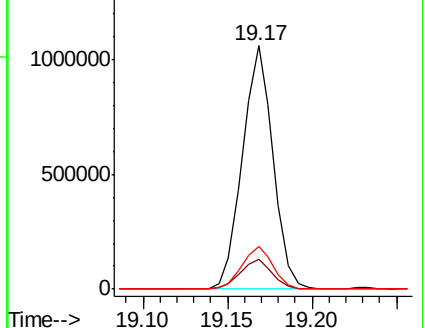
203 17.6 0.0 37.3

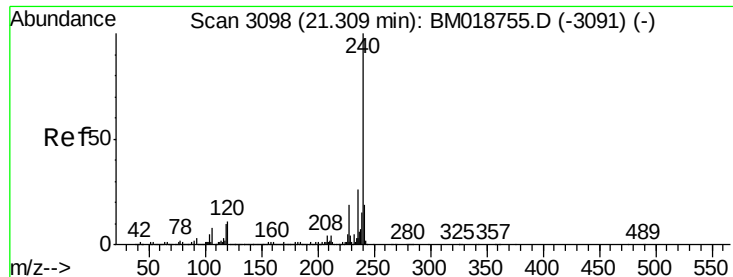


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

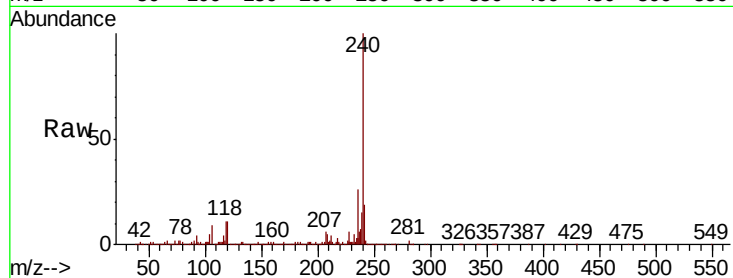
BNA_M

ClientSampleId :

TP-MH-C05

Tot Ion:240 Resp: 1516905

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.4	20.9	31.3

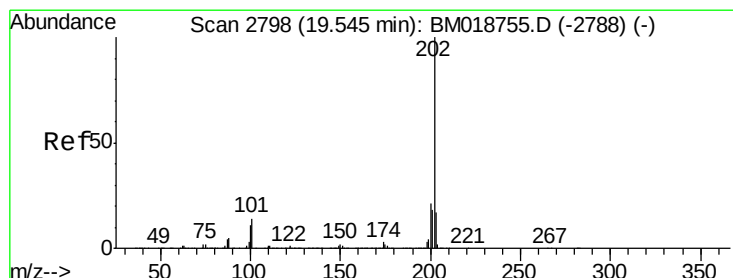
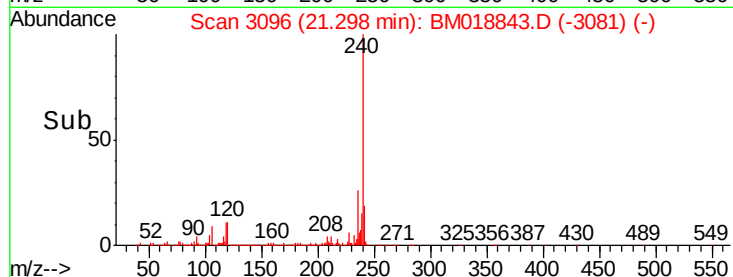
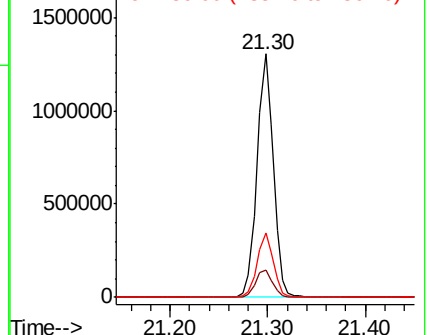


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 13.373 ng

RT: 19.53 min Scan# 2796

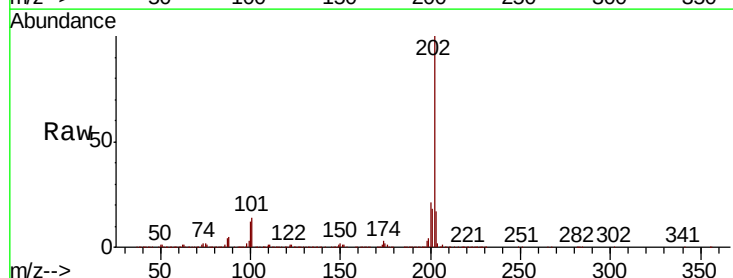
Delta R.T. -0.01 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Tgt Ion:202 Resp: 1178124

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.2	13.8	20.8

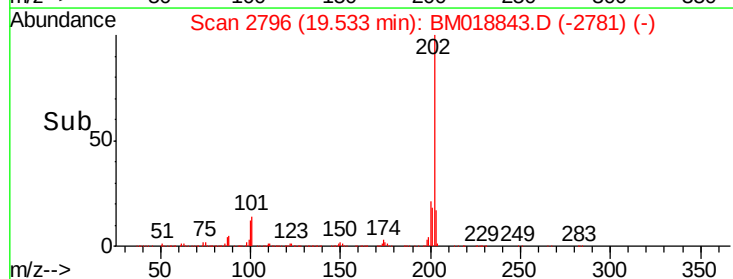
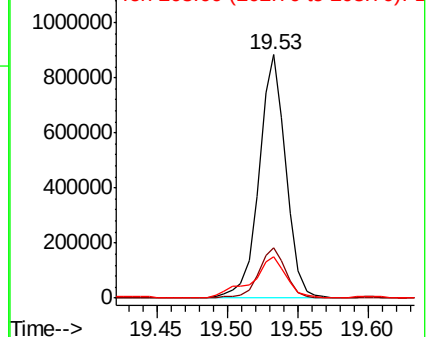


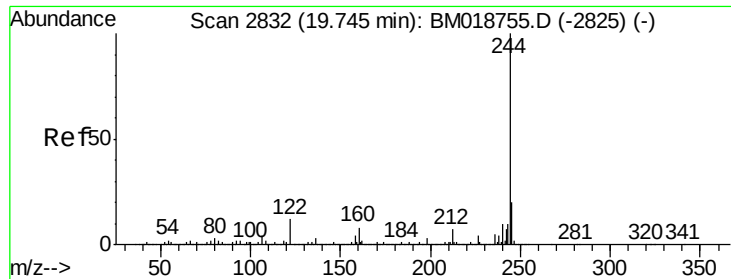
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

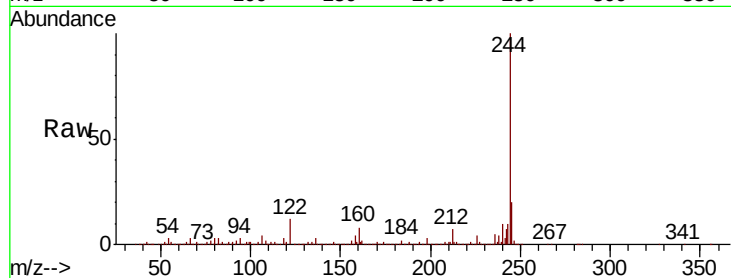




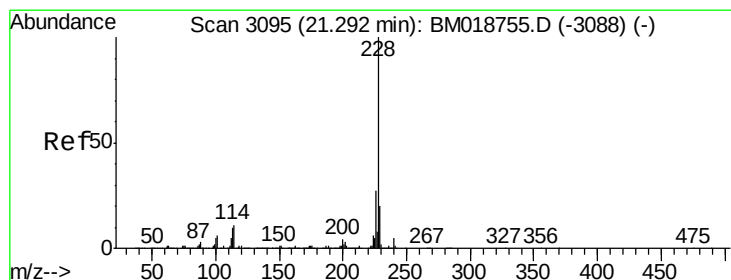
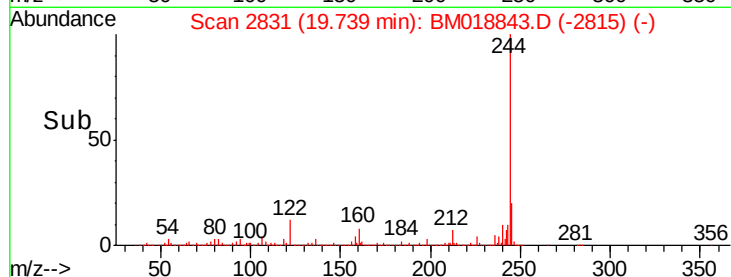
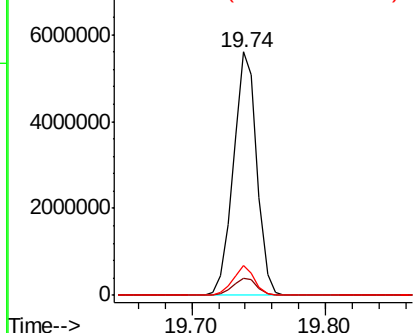
#79
 Terphenyl-d14
 Concen: 93.169 ng
 RT: 19.74 min Scan# 2831
 Delta R.T. -0.01 min
 Lab File: BM018843.D
 Acq: 18 Feb 2019 18:00

Instrument :
 BNA_M
 ClientSampleId :
 TP-MH-C05

Tot Ion:244 Resp: 6850979
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.1 9.3 13.9

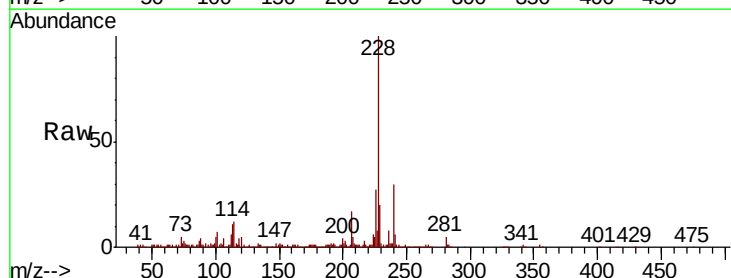


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

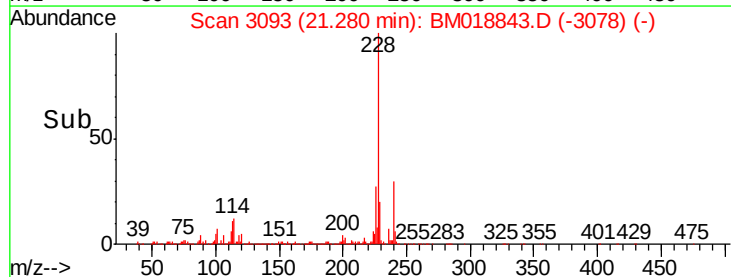
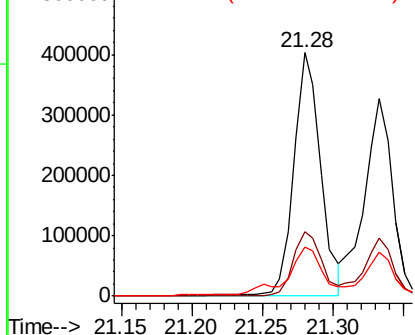


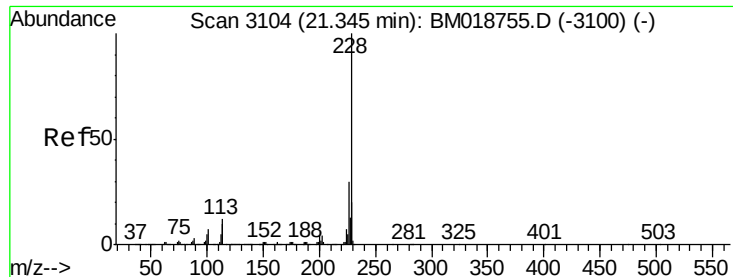
#81
 Benzo(a)anthracene
 Concen: 5.977 ng
 RT: 21.28 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM018843.D
 Acq: 18 Feb 2019 18:00

Tgt Ion:228 Resp: 528532
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.9 32.9
 229 20.3 15.9 23.9



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

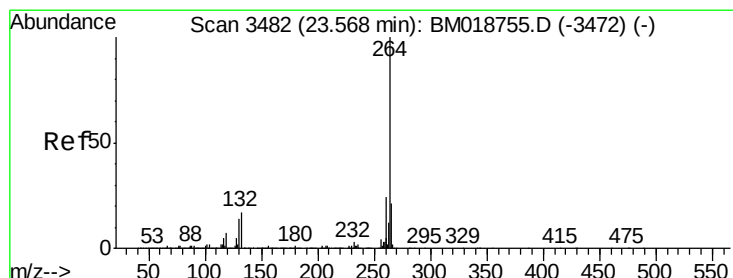
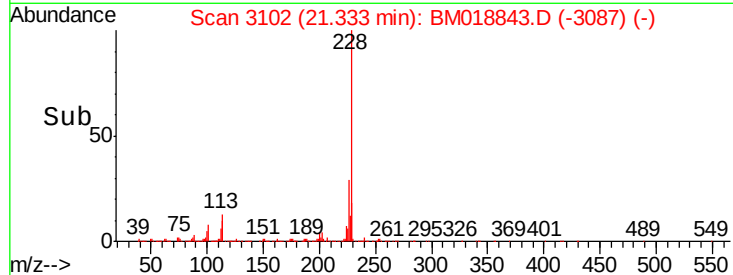
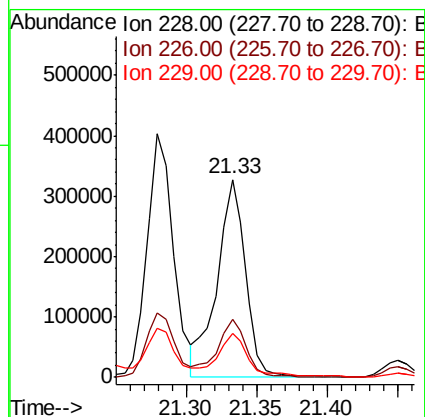
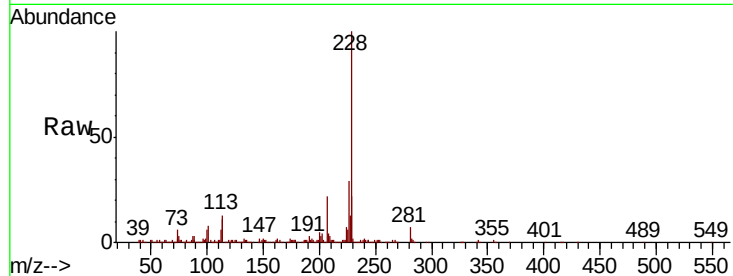




#83
Chrysene
Concen: 5.331 ng
RT: 21.33 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

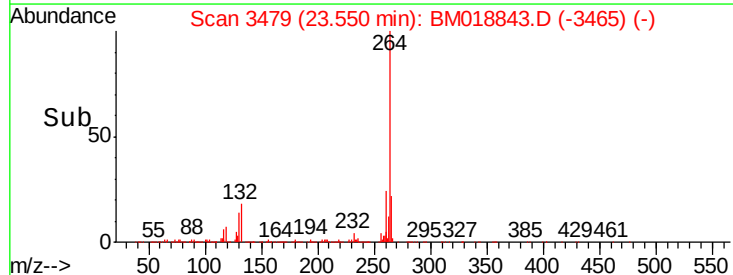
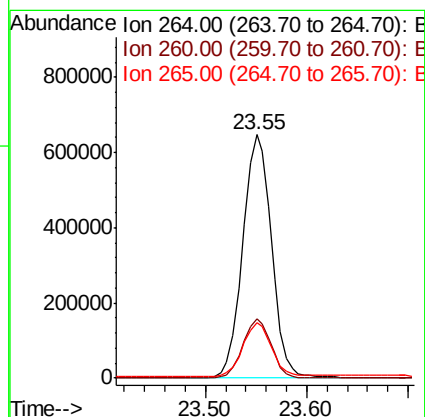
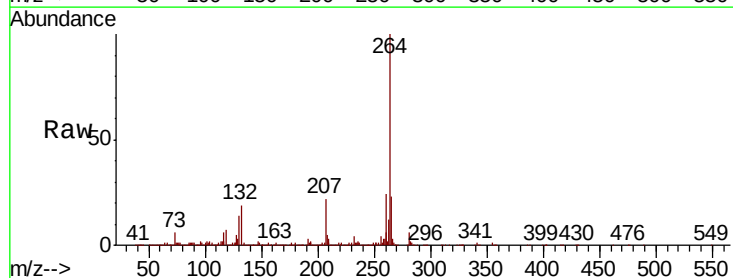
Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

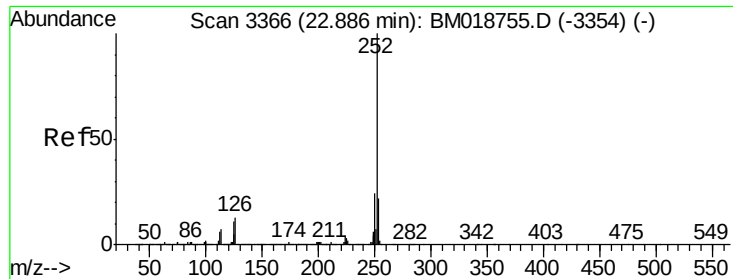
Tot Ion:228 Resp: 451774
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 22.2 16.0 24.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.55 min Scan# 3479
Delta R.T. -0.02 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion:264 Resp: 1273597
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 22.7 17.3 25.9

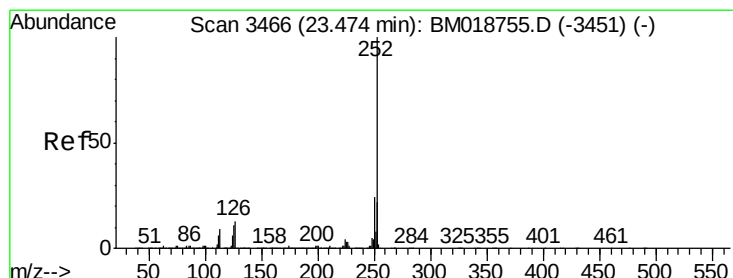
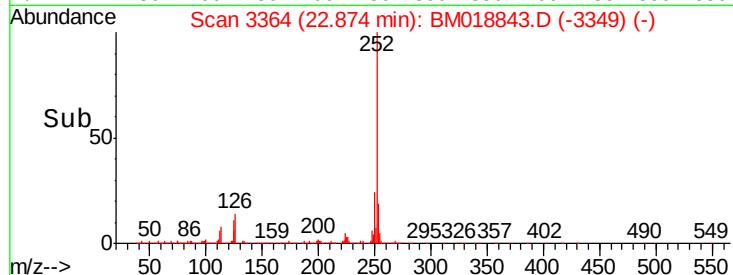
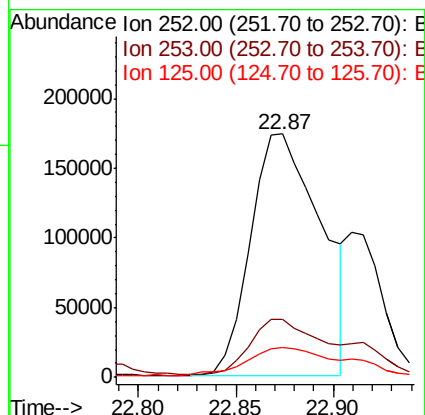
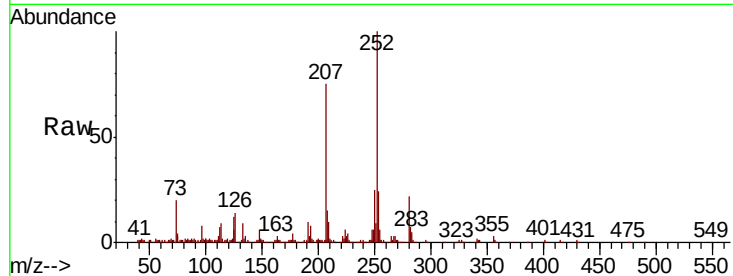




#88
Benzo(b)fluoranthene
Concen: 5.953 ng
RT: 22.87 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

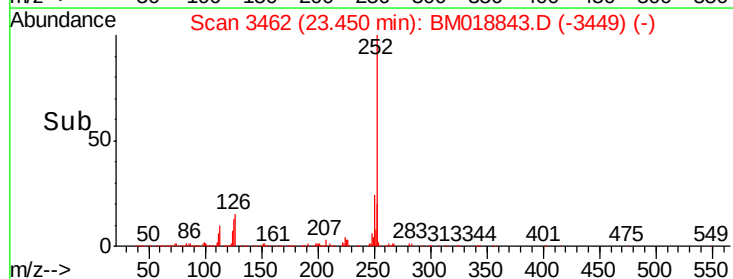
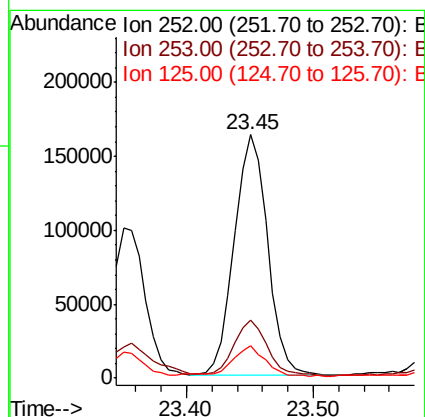
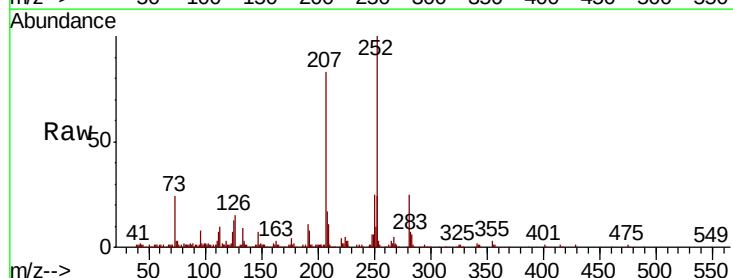
Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

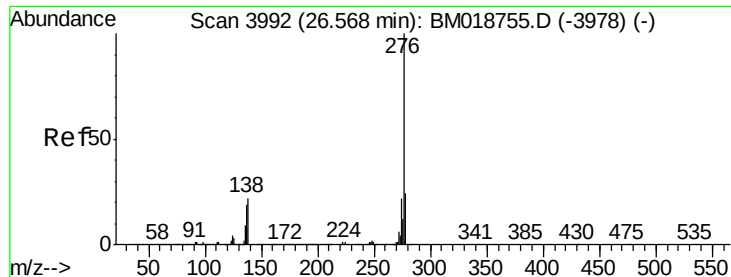
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.0	8.6	12.8



#90
Benzo(a)pyrene
Concen: 4.271 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	13.3	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 2.059 ng

RT: 26.53 min Scan# 3985

Delta R.T. -0.04 min

Lab File: BM018843.D

Acq: 18 Feb 2019 18:00

Instrument :

BNA_M

ClientSampleId :

TP-MH-C05

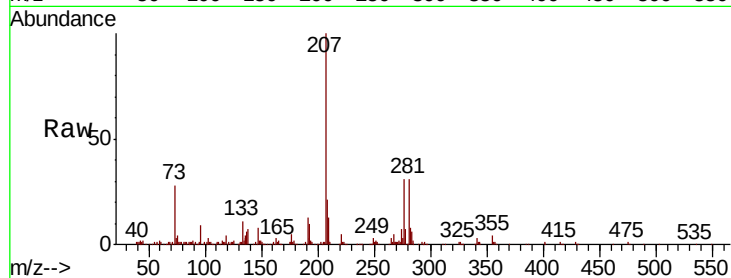
Tot Ion:276 Resp: 131104

Ion Ratio Lower Upper

276 100

277 23.1 19.2 28.8

138 23.8 17.3 25.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

