

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 01:19:25 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

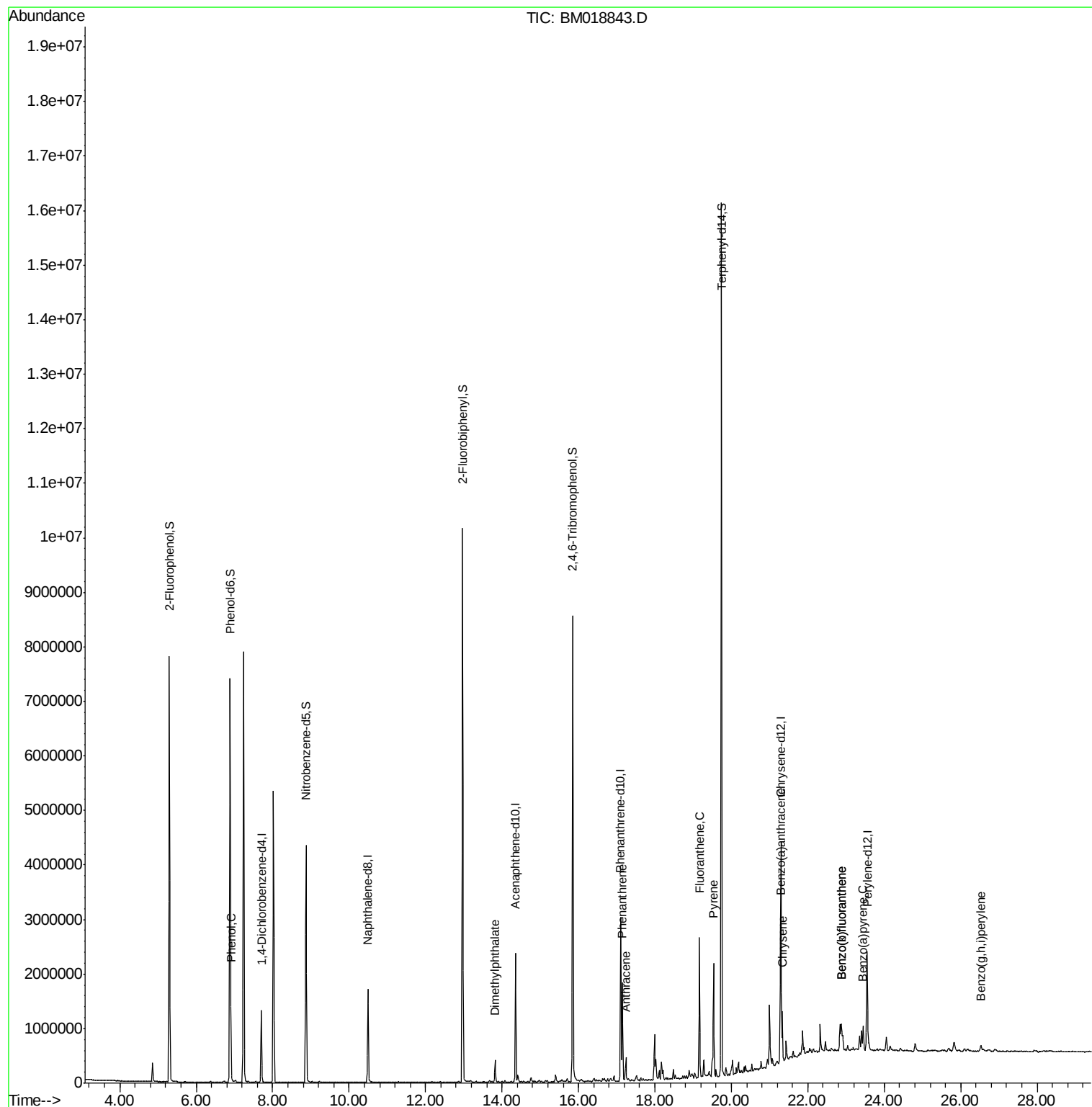
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.88	77	13726	Below Cal		# 11
10) Phenol	6.91	94	297169	9.830	ng	97
50) Dimethylphthalate	13.82	163	237510	3.795	ng	99
71) Phenanthrene	17.14	178	1017452	11.351	ng	100
72) Anthracene	17.24	178	246296	2.823	ng	98
75) Fluoranthene	19.17	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
89) Benzo(k)fluoranthene	22.87	252	433750	5.979	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

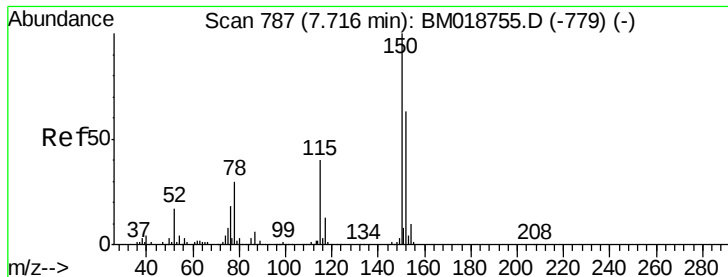
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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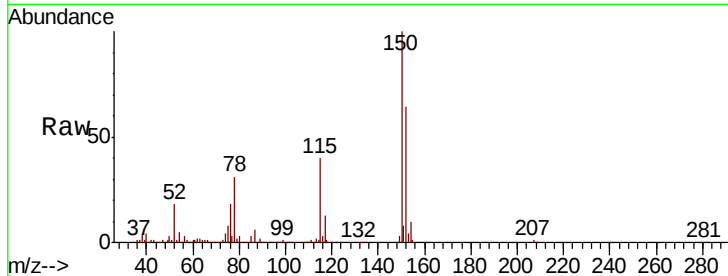


#1

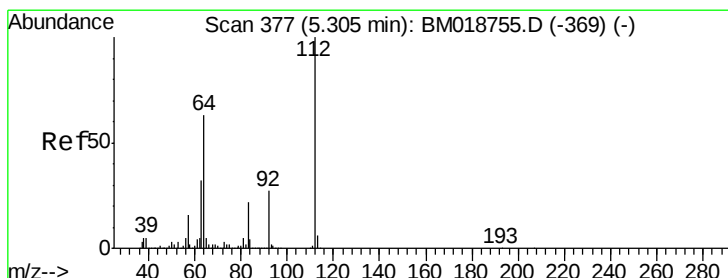
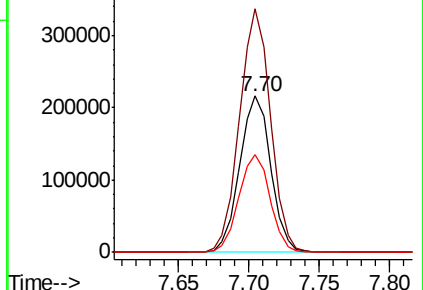
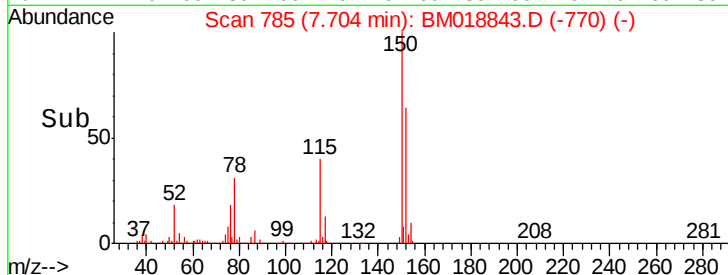
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

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



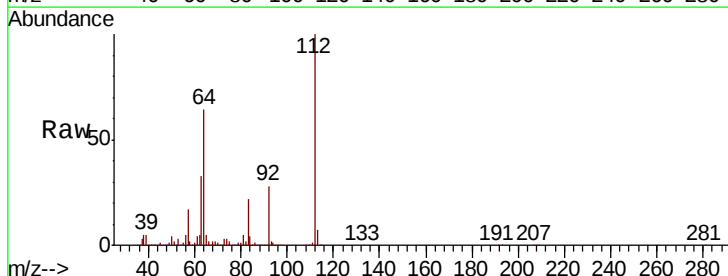
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



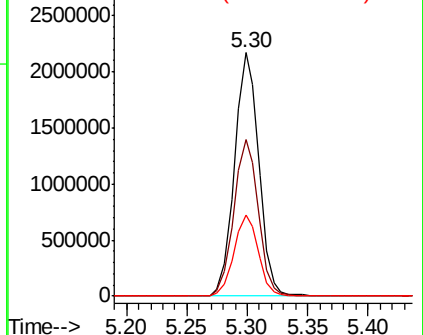
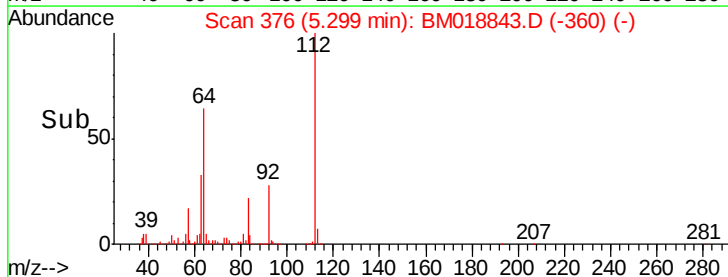
#5

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



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#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

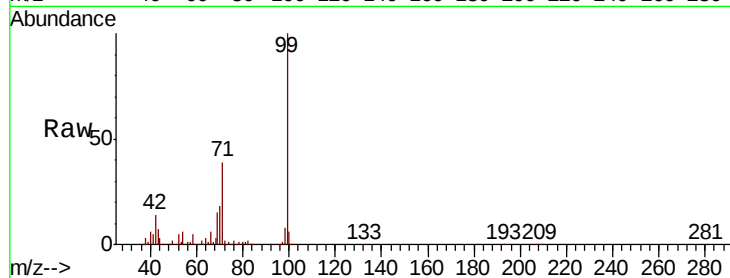
Tgt Ion: 99 Resp: 4253966

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

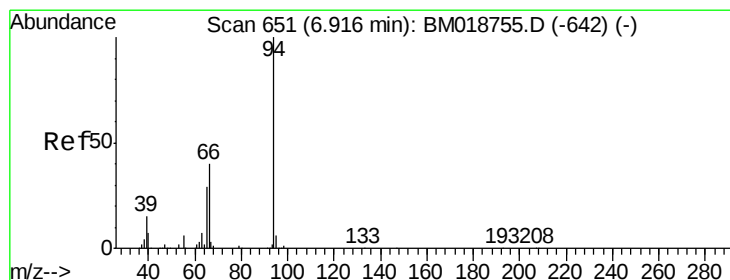
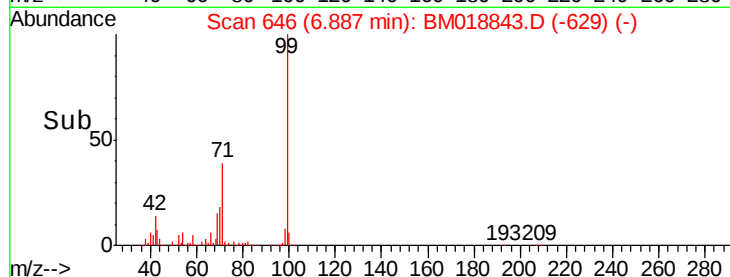
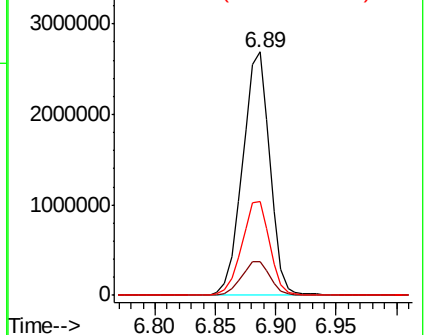
71 38.5 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018843.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018843.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018843.D (-629) (-)



#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

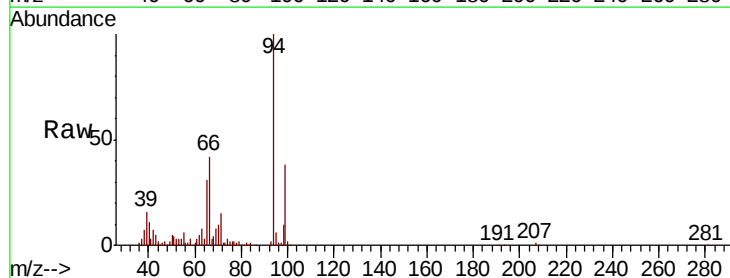
Tgt Ion: 94 Resp: 297169

Ion Ratio Lower Upper

94 100

65 31.2 9.6 49.6

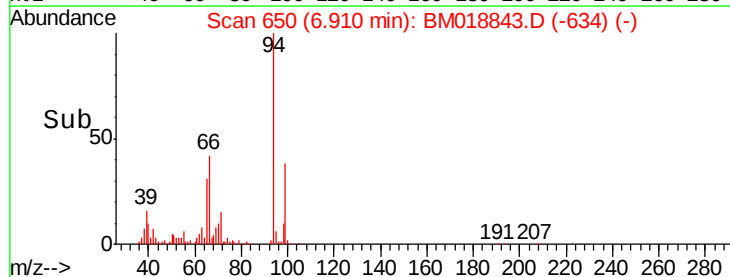
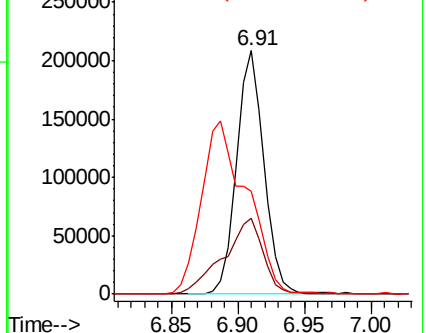
66 42.3 20.4 60.4

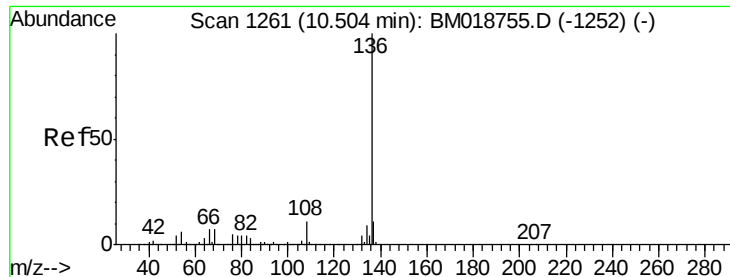


Abundance Ion 94.00 (93.70 to 94.70): BM018843.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018843.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018843.D (-634) (-)





#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

Tgt Ion:136 Resp: 1357445

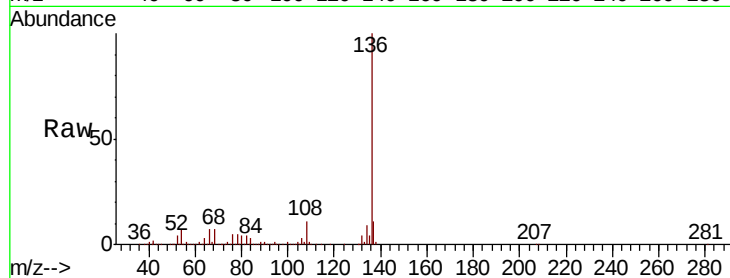
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.9 5.0 7.6

68 7.0 5.5 8.3

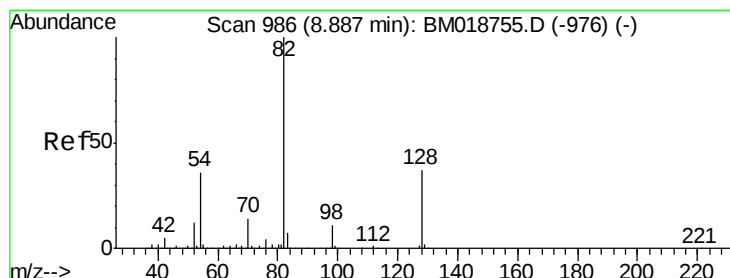
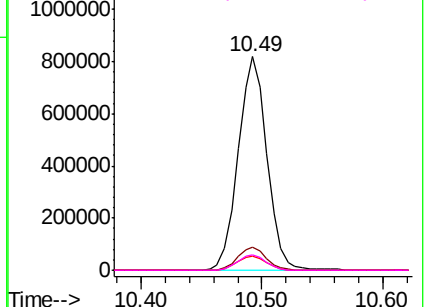
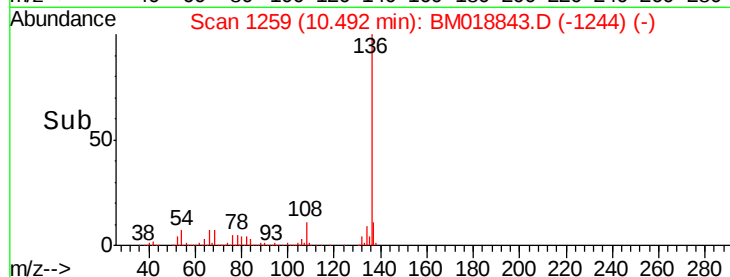


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#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

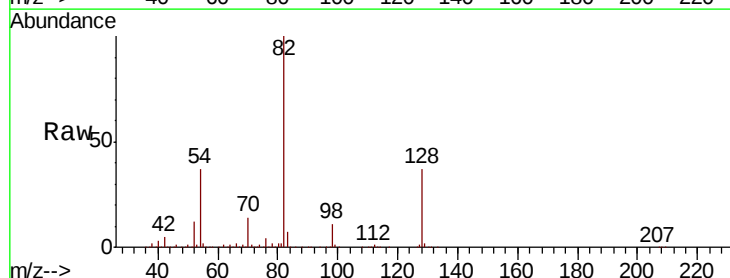
Tgt Ion: 82 Resp: 2736415

Ion Ratio Lower Upper

82 100

128 36.6 29.9 44.9

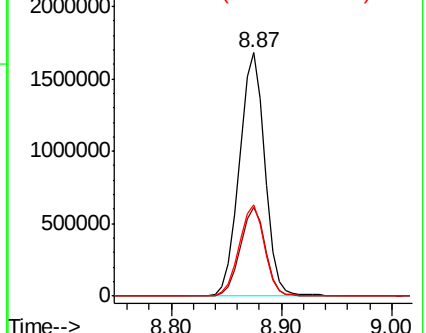
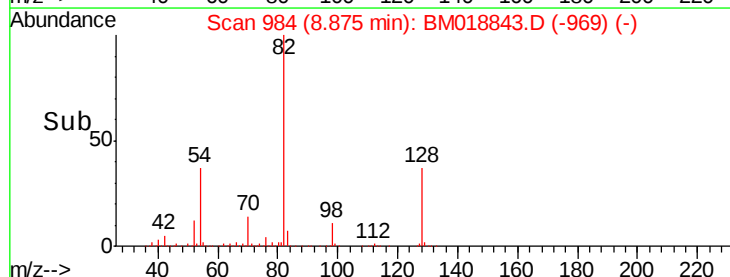
54 37.3 29.1 43.7

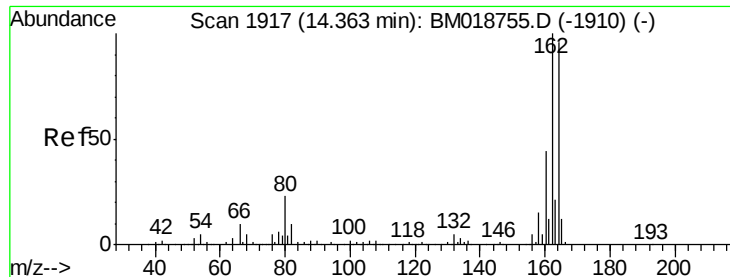


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

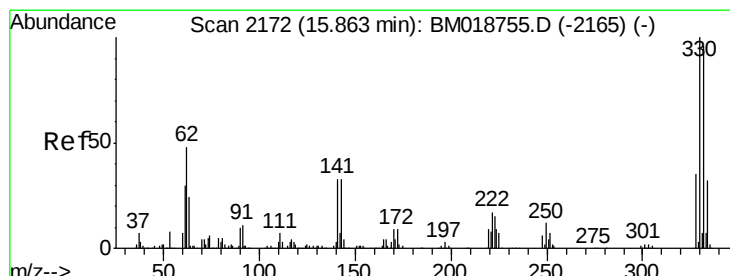
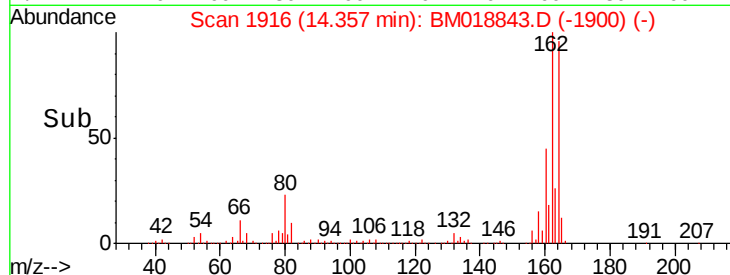
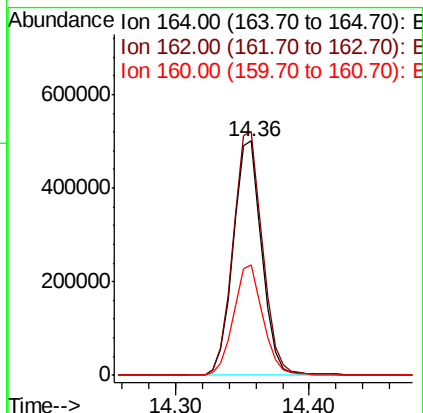
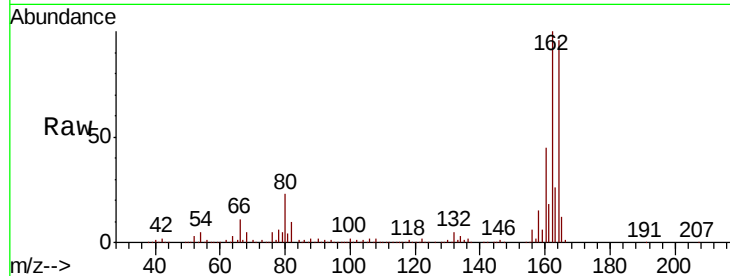




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.36 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

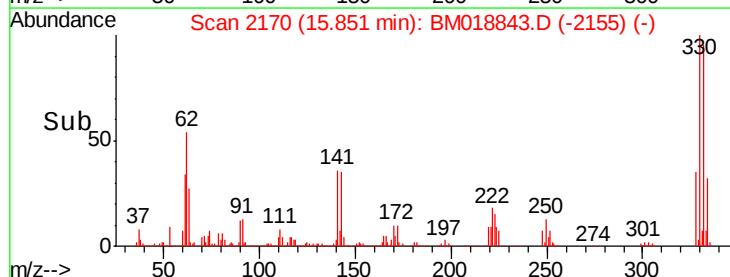
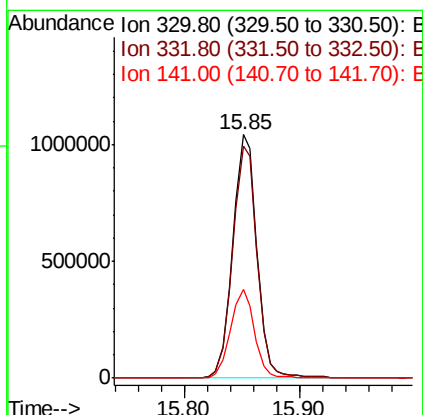
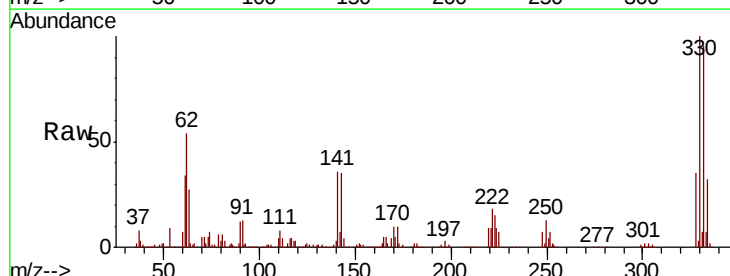
Instrument :
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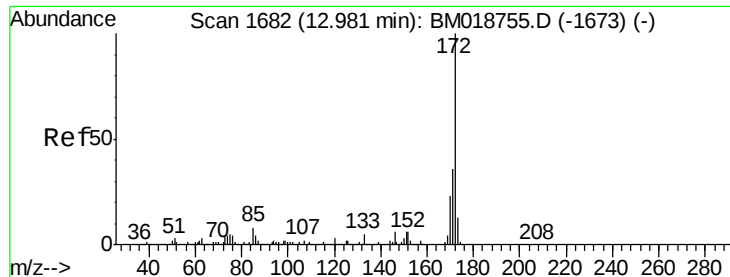
Tgt Ion:164 Resp: 750882
Ion Ratio Lower Upper
164 100
162 104.0 83.4 125.0
160 47.3 36.6 55.0



#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

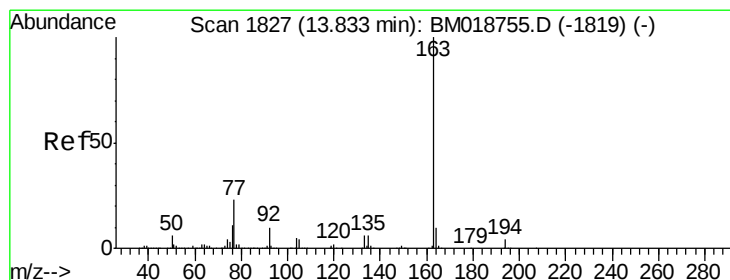
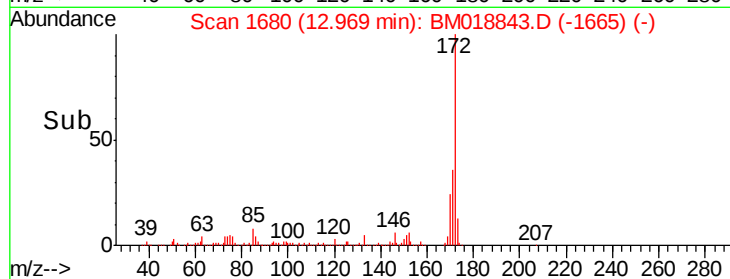
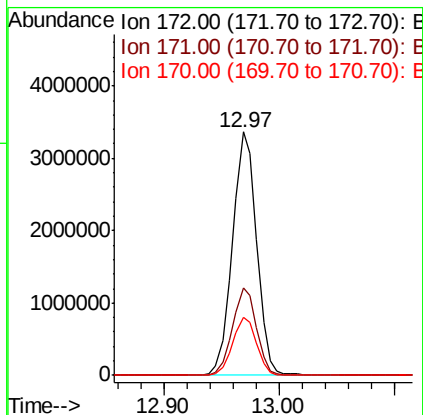
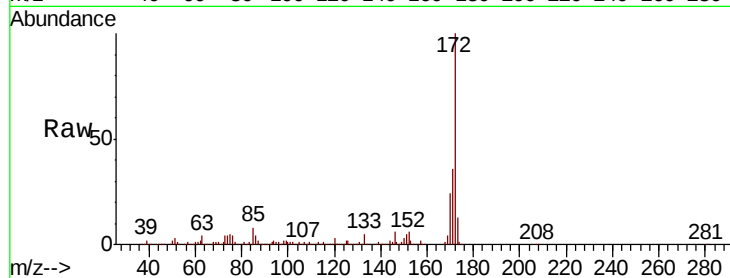




#45
 2-Fluorobiphenyl
 Concen: 86.315 ng
 RT: 12.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BM018843.D
 Acq: 18 Feb 2019 18:00

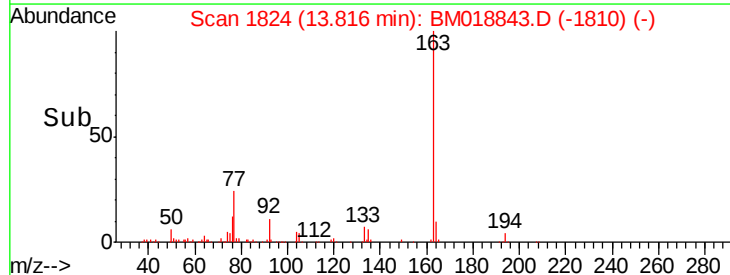
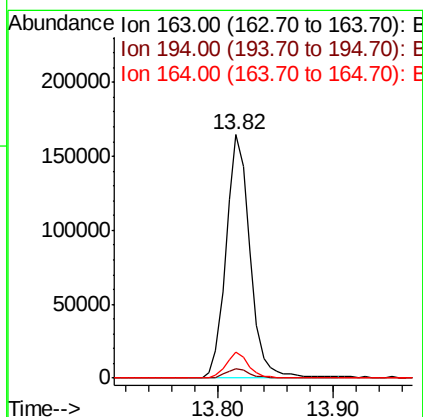
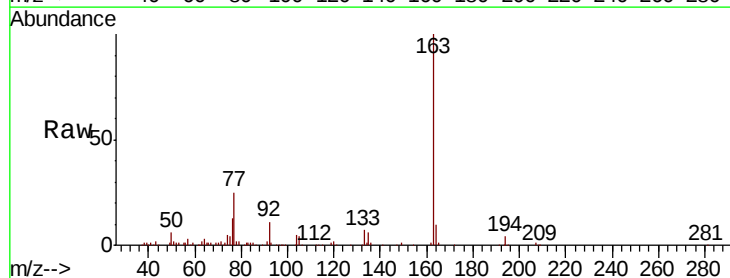
Instrument :
 BNA_M
 ClientSampleId :
 TP-MH-C05

Tgt 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

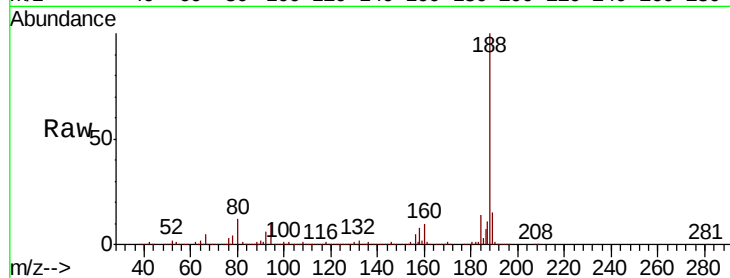
Tgt Ion:188 Resp: 1667972

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

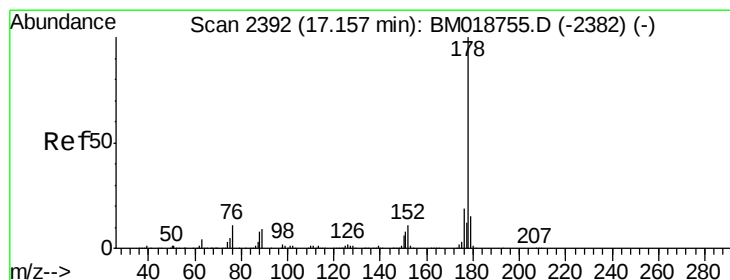
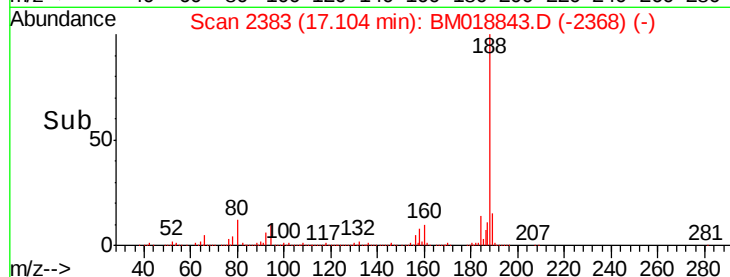
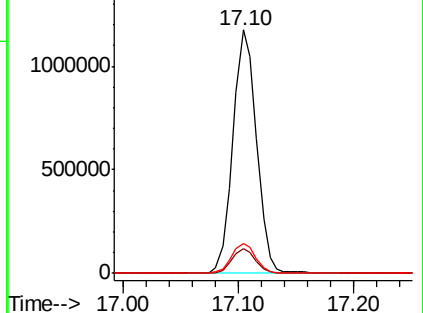
80 12.5 9.7 14.5



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

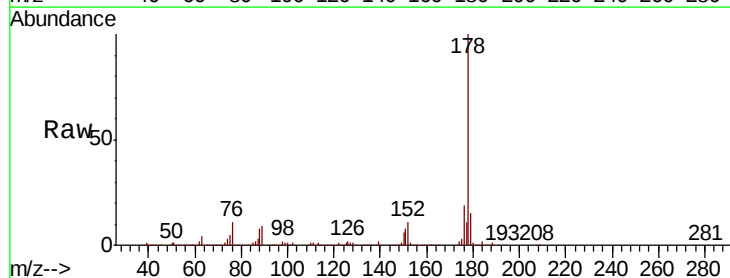
Tgt Ion:178 Resp: 1017452

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

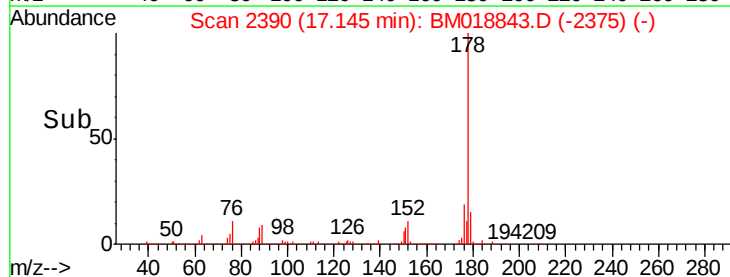
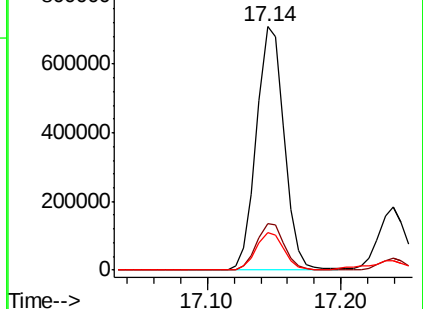
179 15.3 12.3 18.5

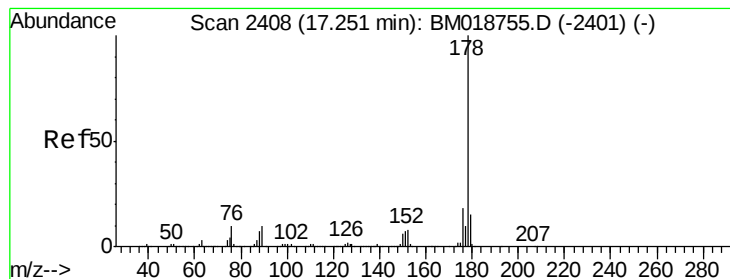


Abundance Ion 178.00 (177.70 to 178.70): E

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

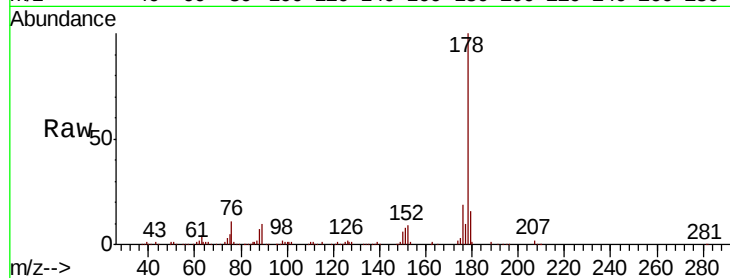
Tgt Ion:178 Resp: 246296

Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

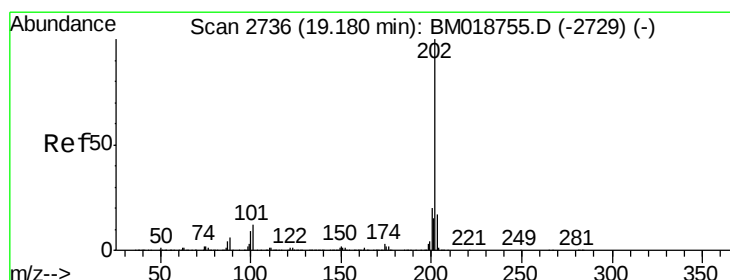
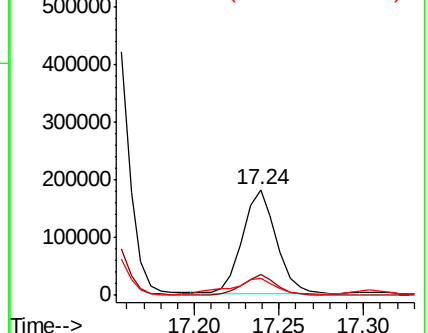
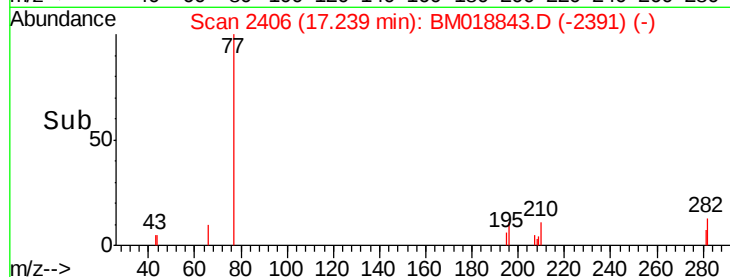
179 15.8 12.1 18.1



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

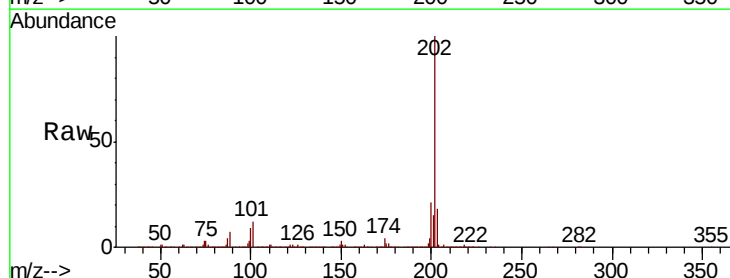
Tgt Ion:202 Resp: 1336376

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

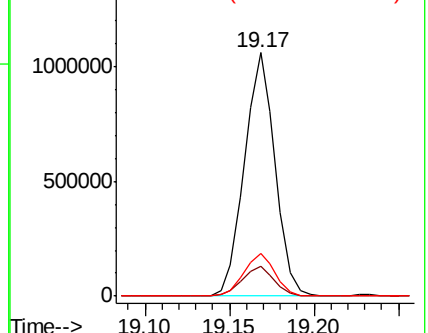
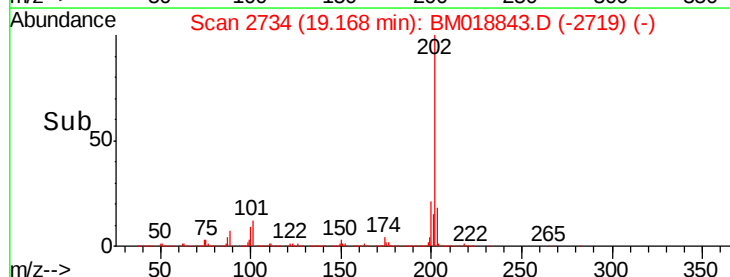
203 17.6 0.0 37.3

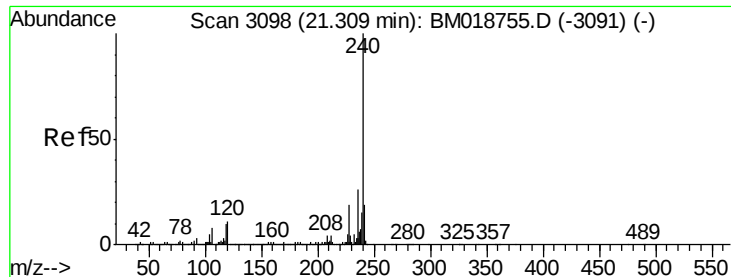


Abundance Ion 202.00 (201.70 to 202.70): E

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

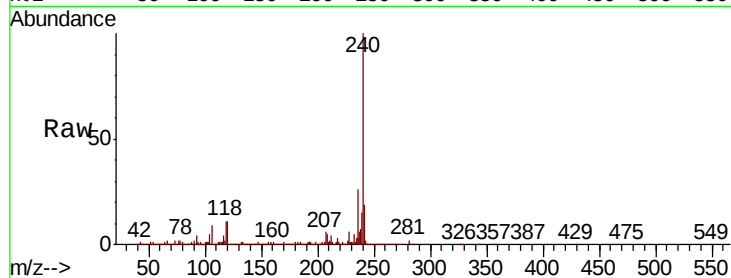
Tgt Ion:240 Resp: 1516905

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

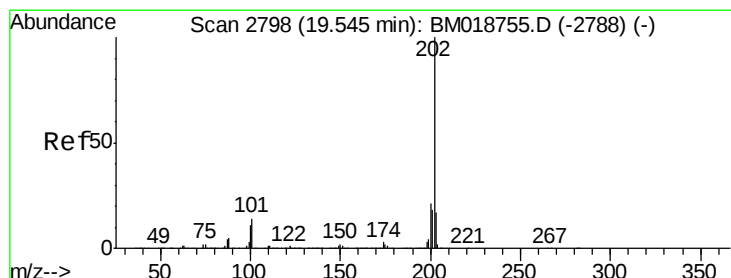
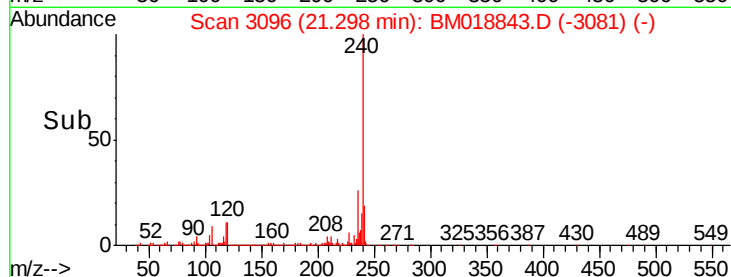
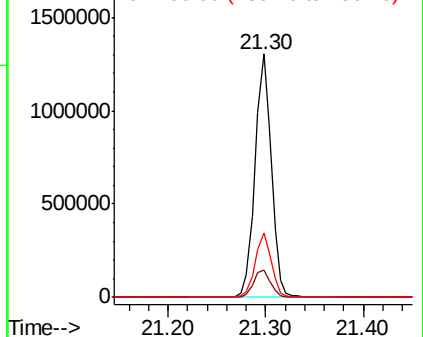
236 26.4 20.9 31.3



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

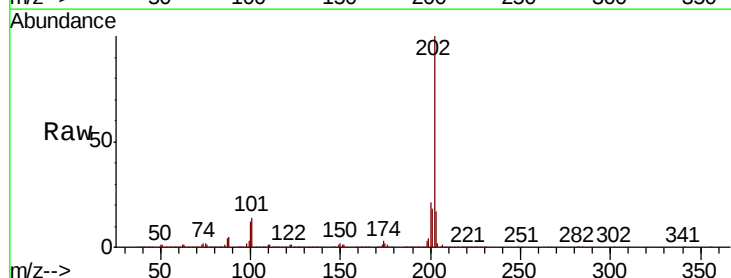
Tgt Ion:202 Resp: 1178124

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

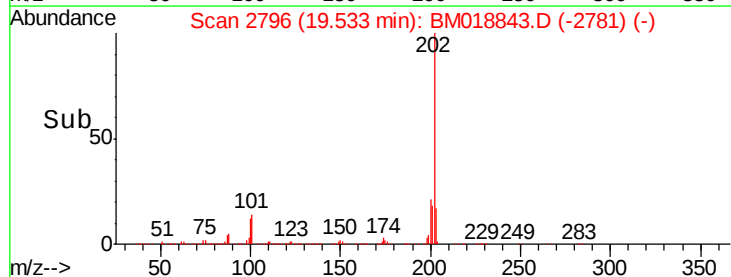
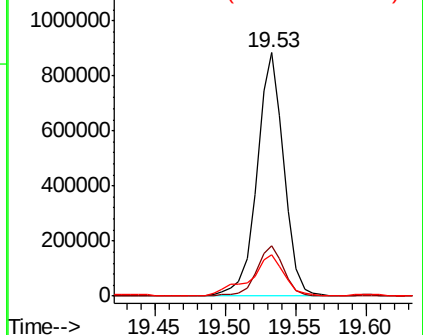
203 17.2 13.8 20.8

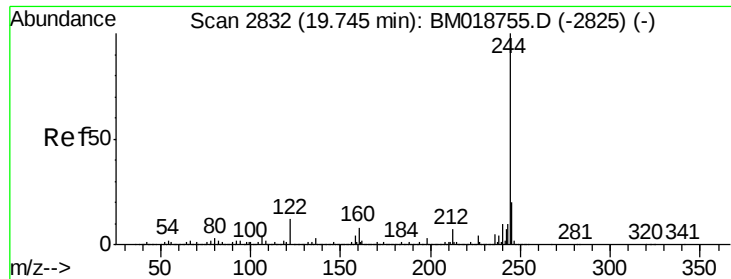


Abundance Ion 202.00 (201.70 to 202.70): E

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

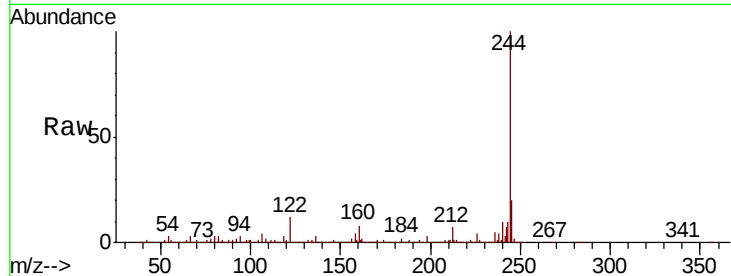
Tgt Ion:244 Resp: 6850979

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

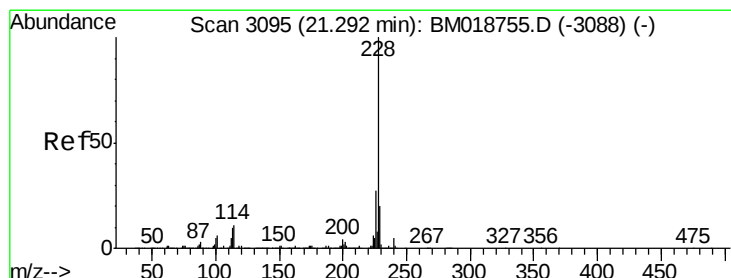
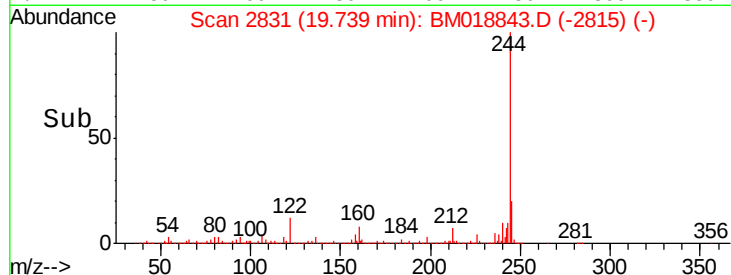
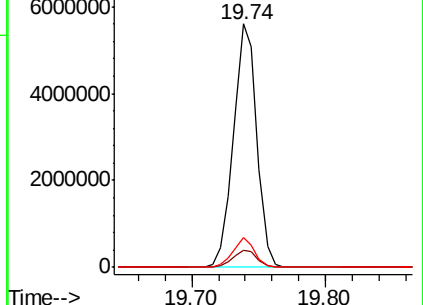
122 12.1 9.3 13.9



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

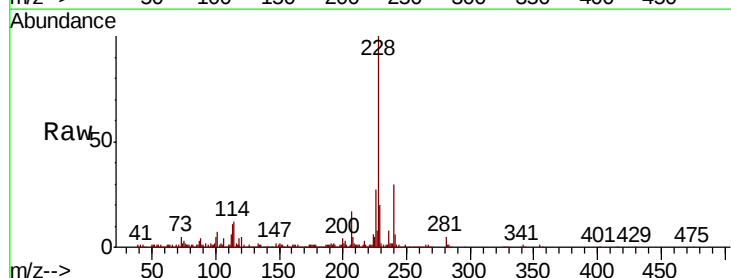
Tgt Ion:228 Resp: 528532

Ion Ratio Lower Upper

228 100

226 26.6 21.9 32.9

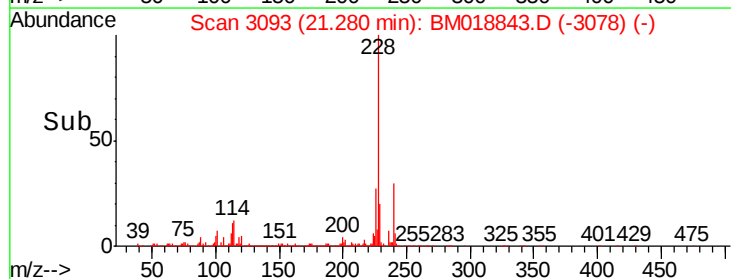
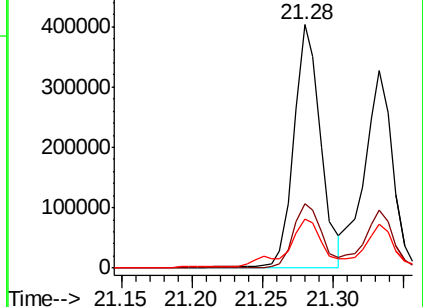
229 20.3 15.9 23.9

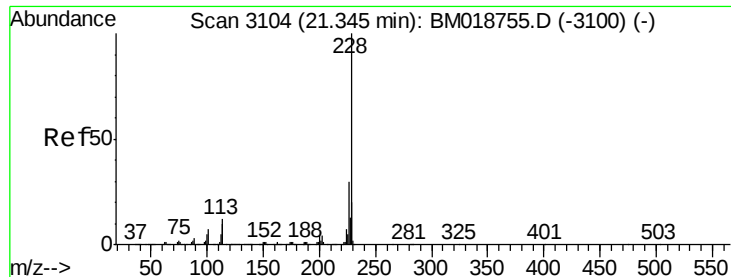


Abundance Ion 228.00 (227.70 to 228.70): E

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

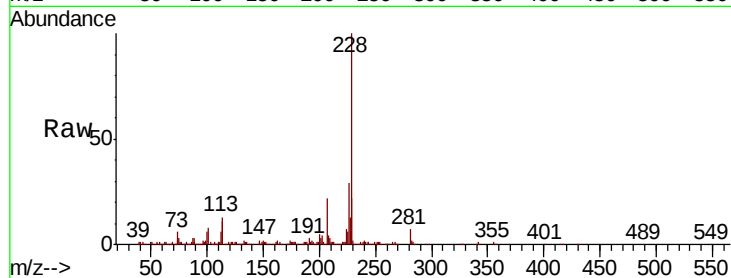
Tgt Ion:228 Resp: 451774

Ion Ratio Lower Upper

228 100

226 29.4 24.1 36.1

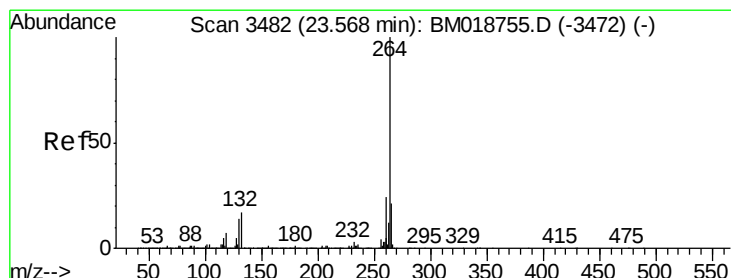
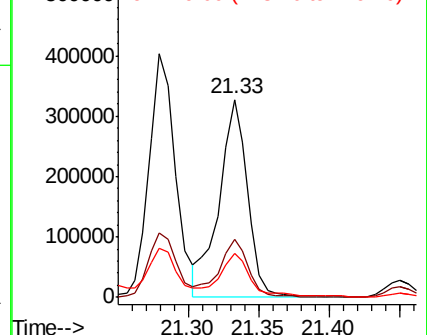
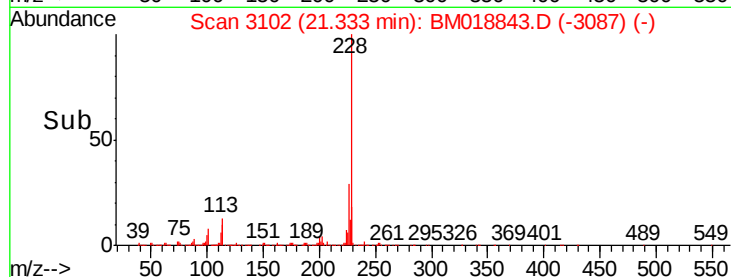
229 22.2 16.0 24.0



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



#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

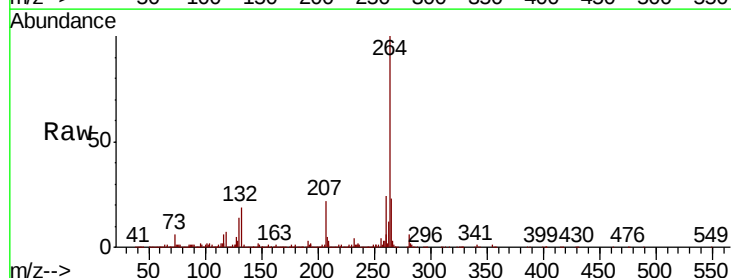
Tgt Ion:264 Resp: 1273597

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

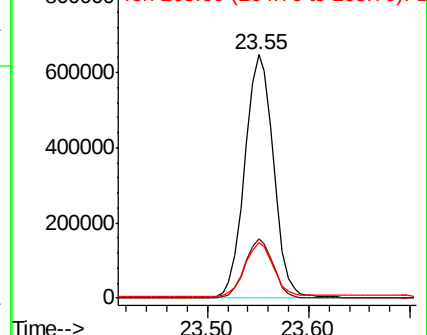
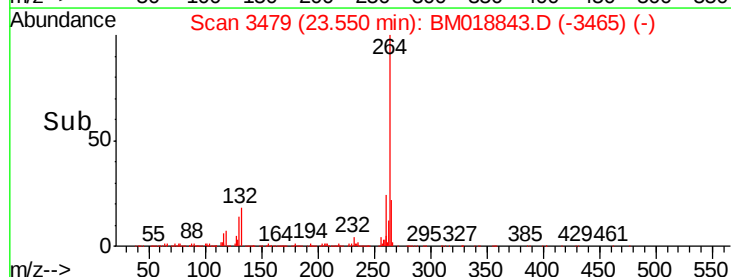
265 22.7 17.3 25.9

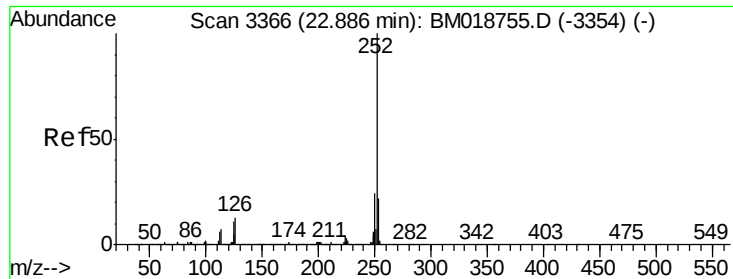


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

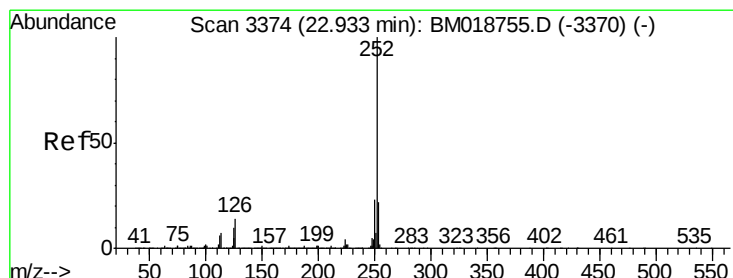
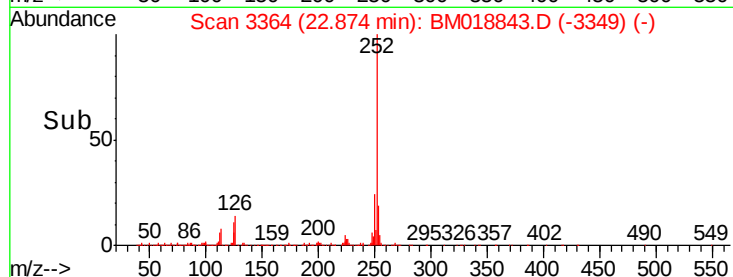
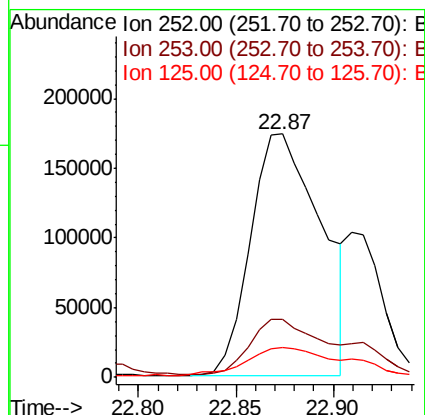
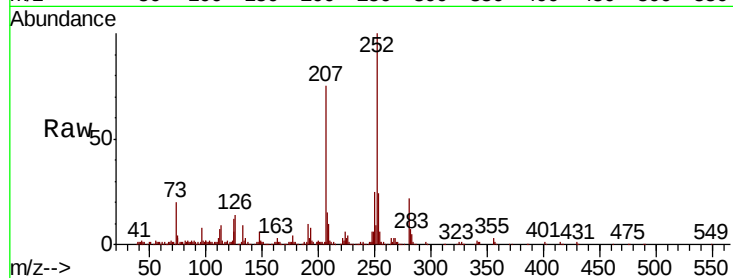




#88
Benzo(b)fluoranthene
Concen: 5.953 ng
RT: 22.87 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

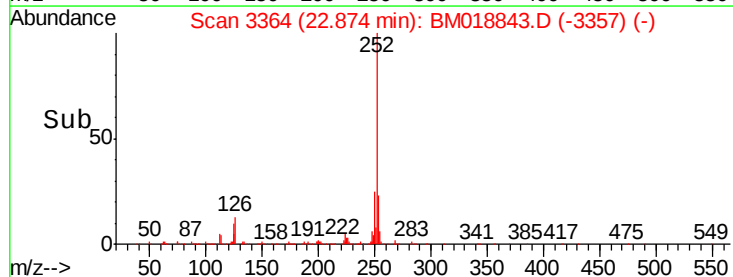
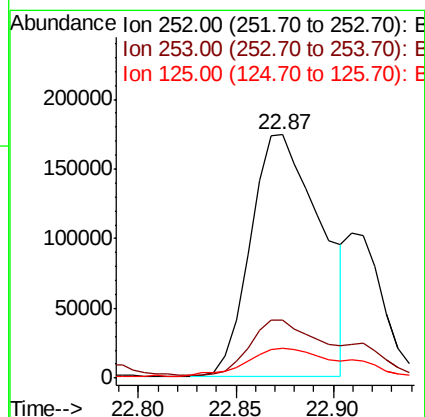
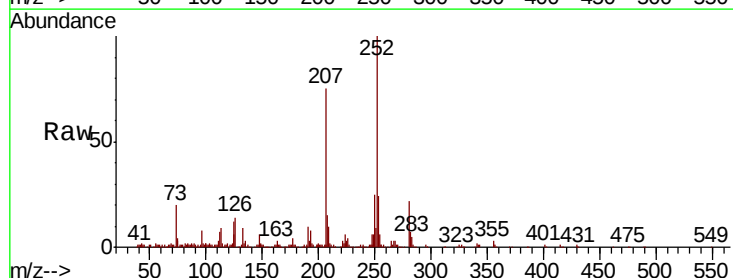
Instrument :
BNA_M
ClientSampleId :
TP-MH-C05

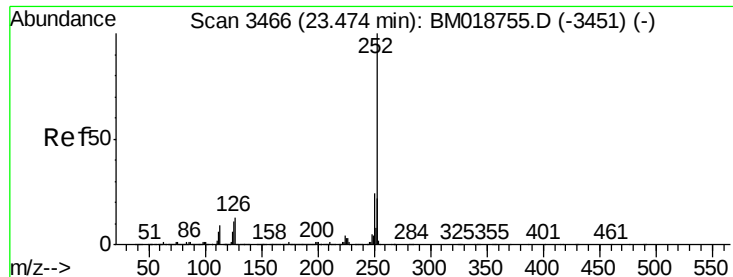
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	12.0	8.6	12.8



#89
Benzo(k)fluoranthene
Concen: 5.979 ng
RT: 22.87 min Scan# 3364
Delta R.T. -0.06 min
Lab File: BM018843.D
Acq: 18 Feb 2019 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	12.0	8.2	12.4





#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

Instrument :

BNA_M

ClientSampleId :

TP-MH-C05

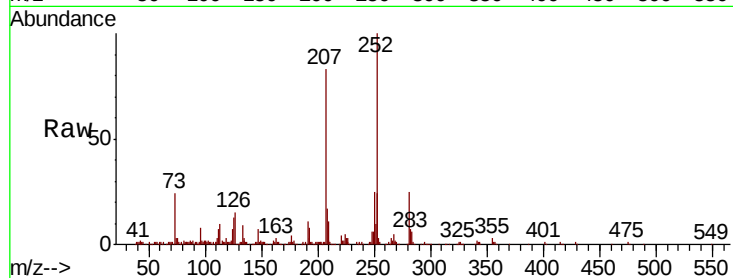
Tgt Ion: 252 Resp: 294823

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

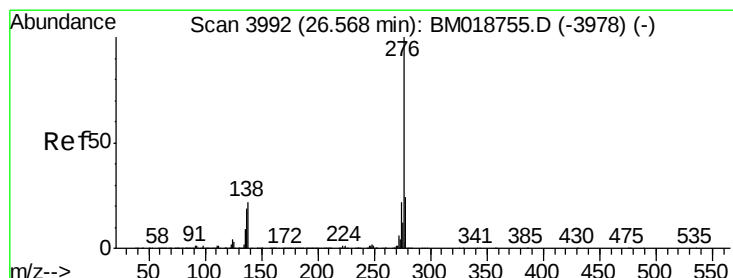
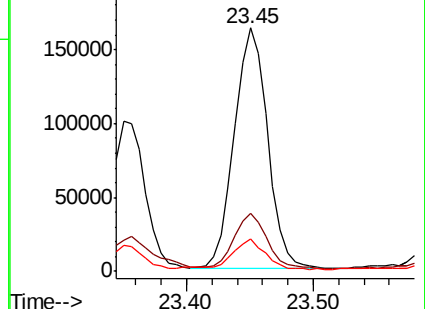
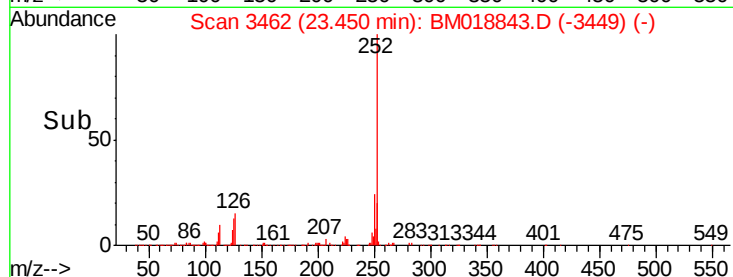
125 13.3 8.6 13.0#



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



#92

Benzo(g,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

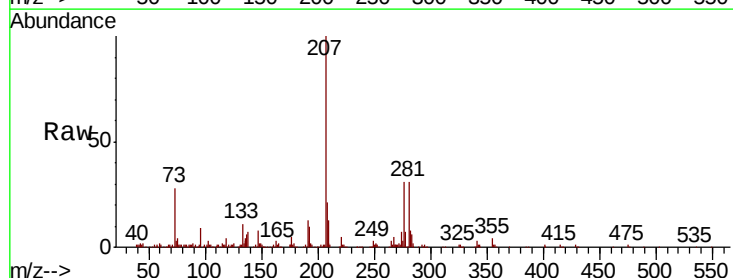
Tgt Ion: 276 Resp: 131104

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

