

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018363.D
 Acq On : 21 Dec 2018 18:50
 Operator : JU/SJ
 Sample : J6386-20
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-0612-01

Quant Time: Dec 22 03:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	132234	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	523289	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	294949	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	571626	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	485659	20.00	ng	0.00
87) Perylene-d12	23.32	264	532762	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	923792	116.70	ng	0.00
7) Phenol-d6	6.70	99	1223997	111.25	ng	0.00
23) Nitrobenzene-d5	8.64	82	819854	80.36	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	423831	97.90	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1541259	67.68	ng	-0.02
79) Terphenyl-d14	19.57	244	1650818	76.88	ng	0.00

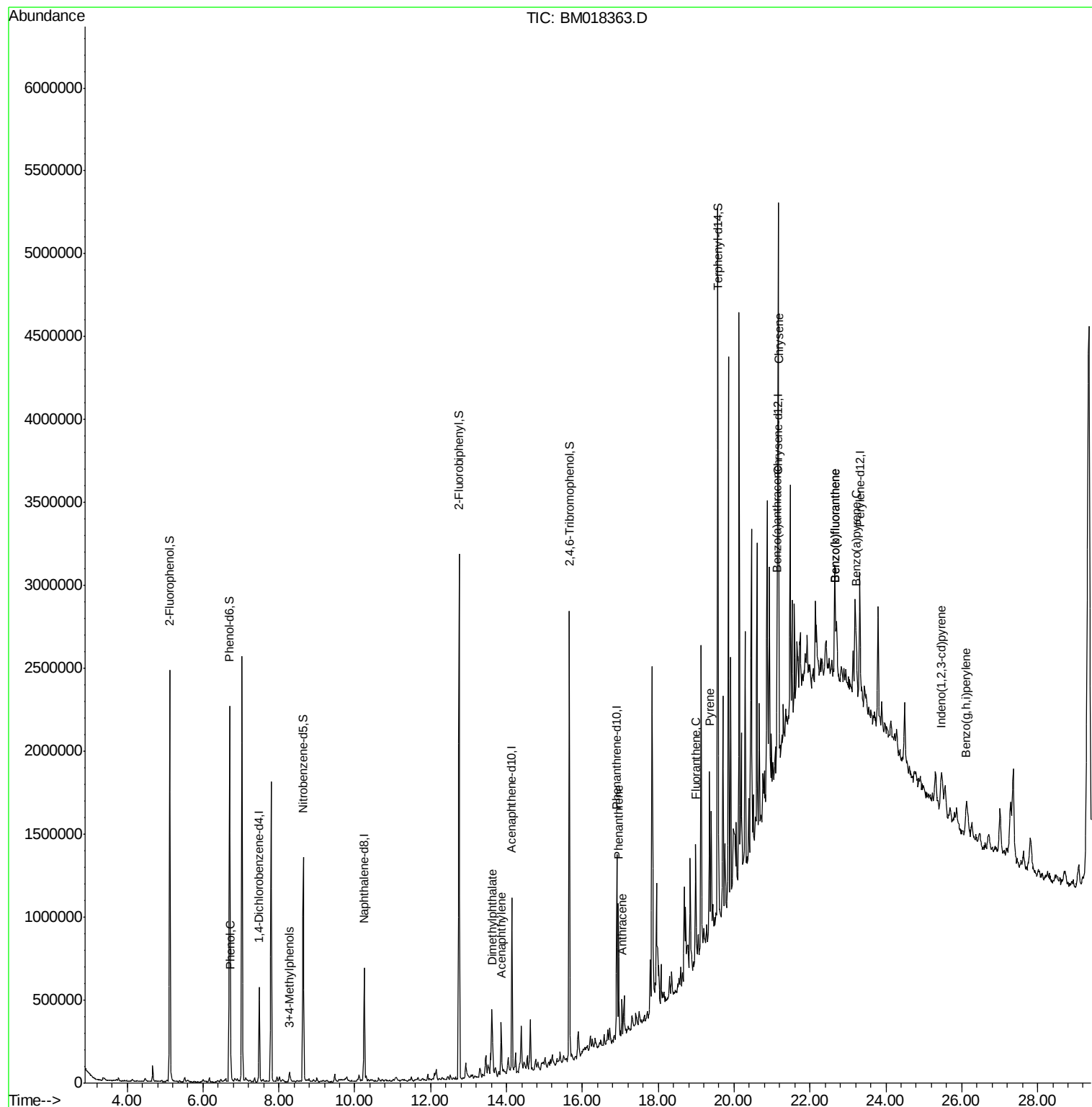
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.73	94	95715	8.214	ng	88
20) 3+4-Methylphenols	8.28	107	29884	2.741	ng	94
49) Acenaphthylene	13.86	152	135962	4.620	ng	98
50) Dimethylphthalate	13.62	163	205318	8.373	ng	98
71) Phenanthrene	16.95	178	457524	14.735	ng	100
72) Anthracene	17.04	178	125764	4.083	ng	98
75) Fluoranthene	18.99	202	354599	9.823	ng	98
78) Pyrene	19.36	202	573785	19.828	ng	99
81) Benzo(a)anthracene	21.13	228	214073	7.546	ng	# 90
83) Chrysene	21.18	228	236457	8.665	ng	92
86) Indeno(1,2,3-cd)pyrene	25.46	276	127686	4.697	ng	96
88) Benzo(b)fluoranthene	22.68	252	265095	8.858	ng	# 82
89) Benzo(k)fluoranthene	22.68	252	266303	8.935	ng	# 81
90) Benzo(a)pyrene	23.22	252	210907	7.410	ng	# 86
92) Benzo(g,h,i)perylene	26.12	276	178459	7.160	ng	98

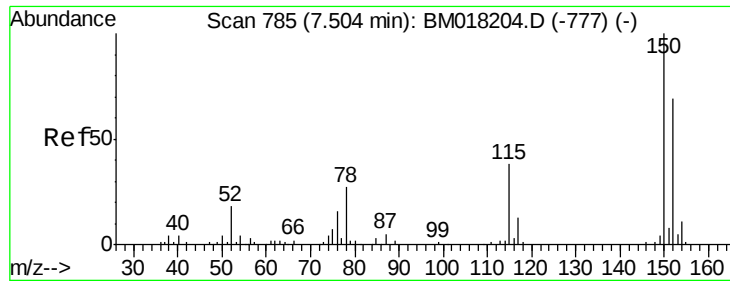
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
Data File : BM018363.D
Acq On : 21 Dec 2018 18:50
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0612-01

Quant Time: Dec 22 03:50:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:39:37 2018
Response via : Initial Calibration

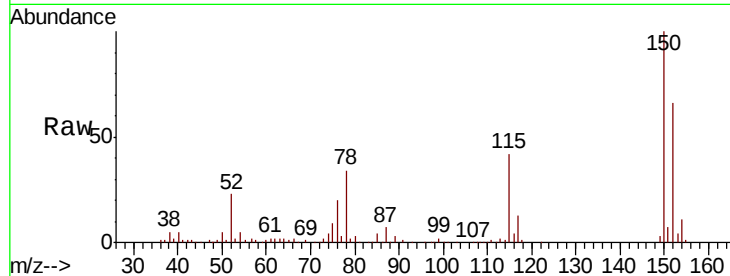




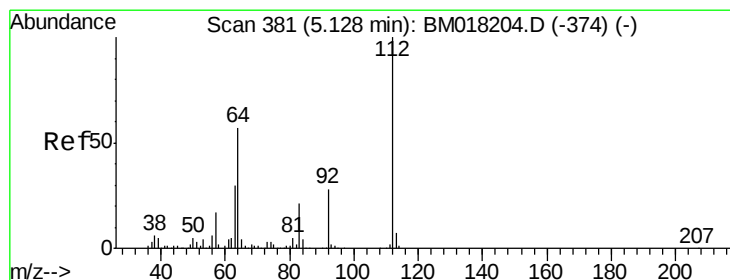
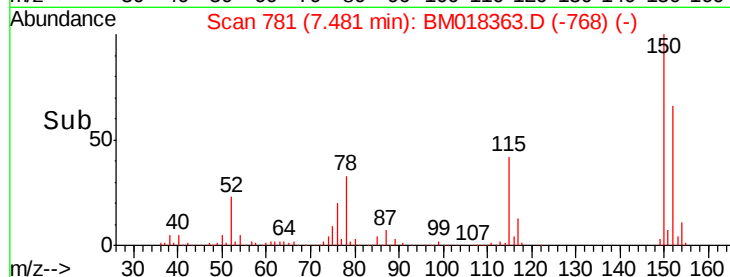
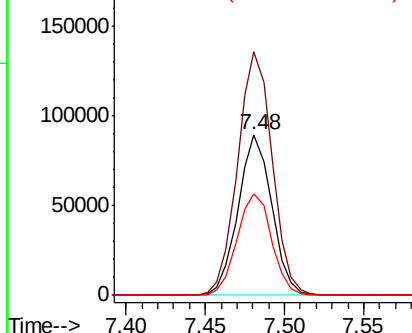
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BM018363.D
 Acq: 21 Dec 2018 18:50

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-0612-01

Tgt Ion:152 Resp: 132234
 Ion Ratio Lower Upper
 152 100
 150 151.8 116.1 174.1
 115 63.1 44.6 67.0

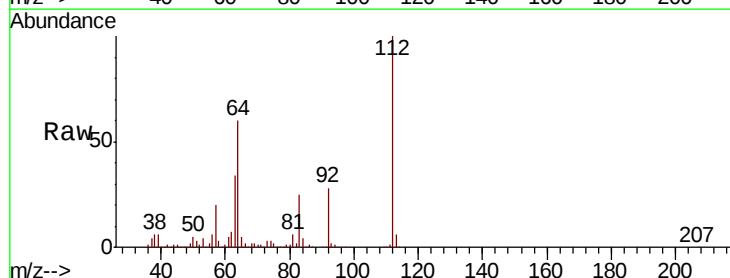


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

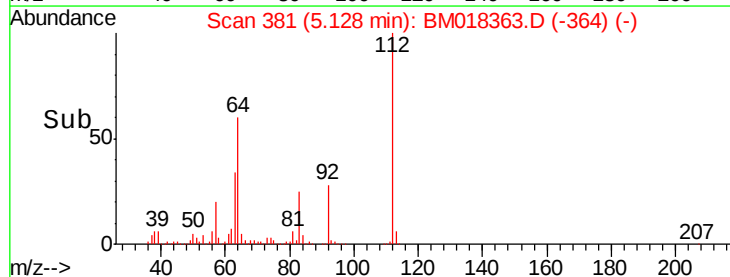
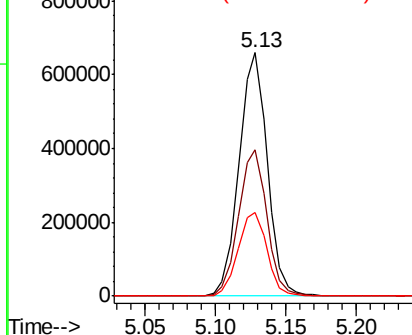


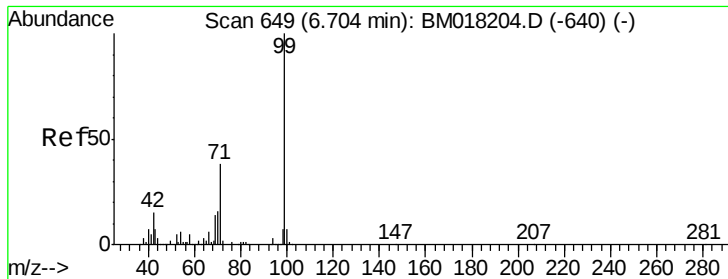
#5
 2-Fluorophenol
 Concen: 116.701 ng
 RT: 5.13 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BM018363.D
 Acq: 21 Dec 2018 18:50

Tgt Ion:112 Resp: 923792
 Ion Ratio Lower Upper
 112 100
 64 60.1 45.4 68.2
 63 34.2 24.0 36.0



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: 111.247 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

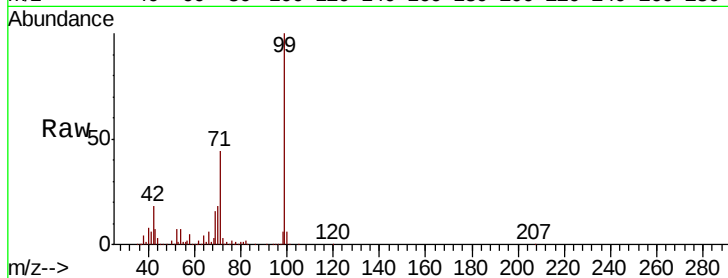
Tgt Ion: 99 Resp: 1223997

Ion Ratio Lower Upper

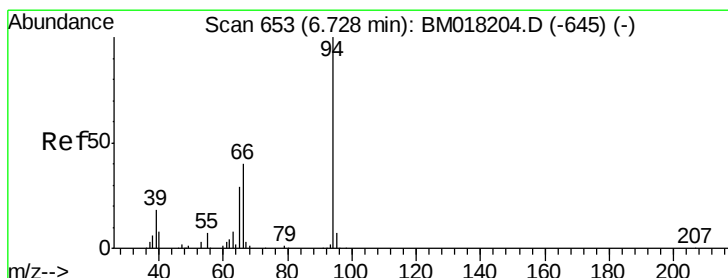
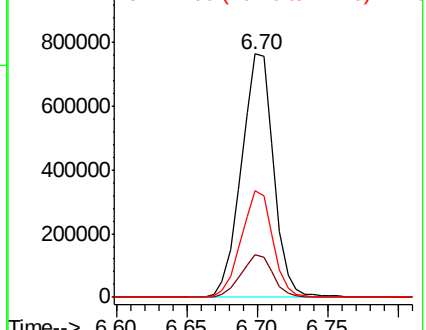
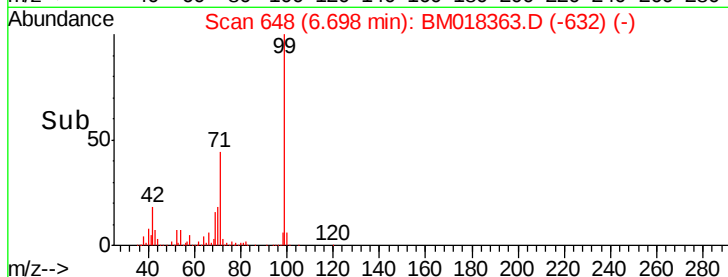
99 100

42 17.6 12.3 18.5

71 43.8 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018363.D (-632) (-)



#10

Phenol

Concen: 8.214 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

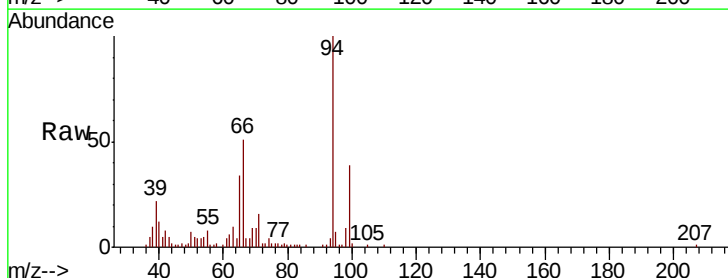
Tgt Ion: 94 Resp: 95715

Ion Ratio Lower Upper

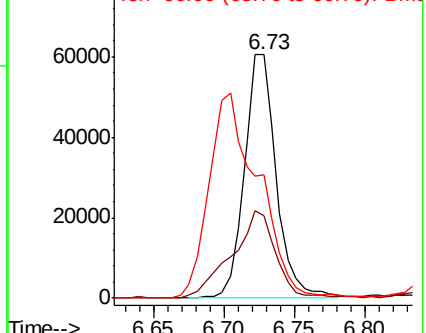
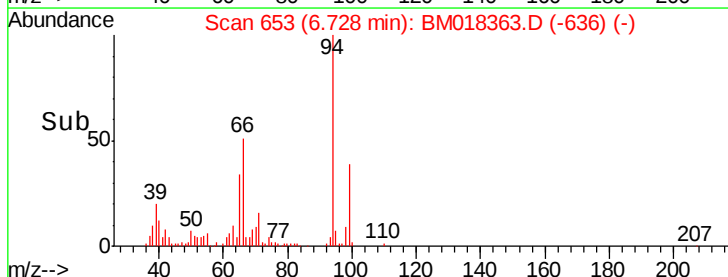
94 100

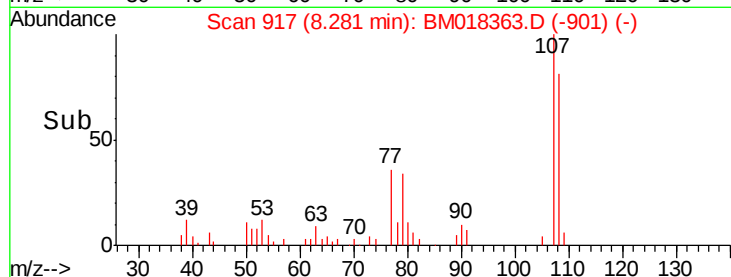
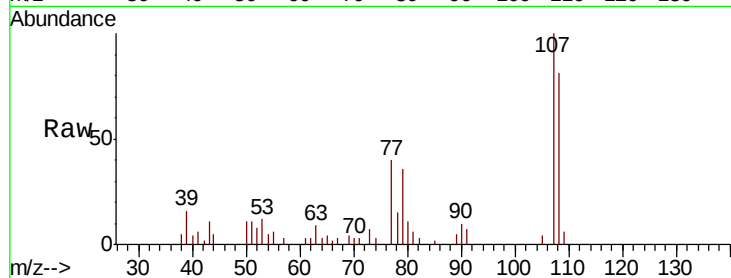
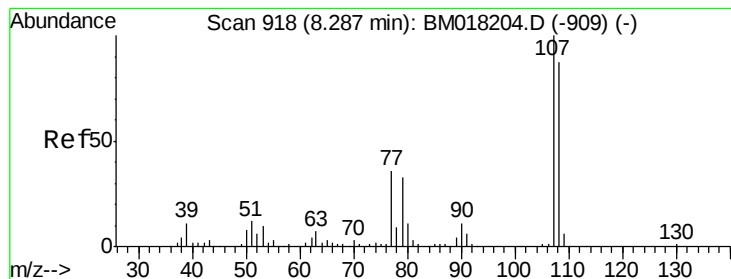
65 34.0 9.5 49.5

66 50.8 21.3 61.3



Abundance Ion 94.00 (93.70 to 94.70): BM018363.D (-636) (-)





#20

3+4-Methylphenols

Concen: 2.741 ng

RT: 8.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

Tgt Ion:107 Resp: 29884

Ion Ratio Lower Upper

107 100

108 81.4 67.4 107.4

77 39.9 15.7 55.7

79 36.0 13.3 53.3

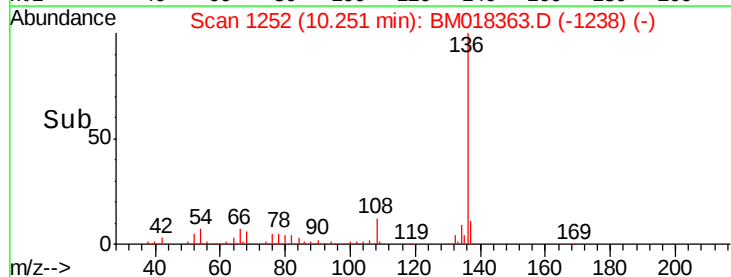
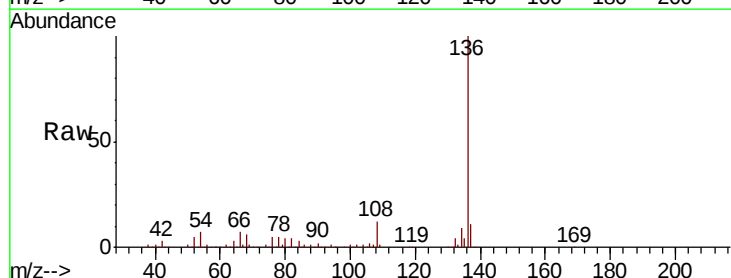
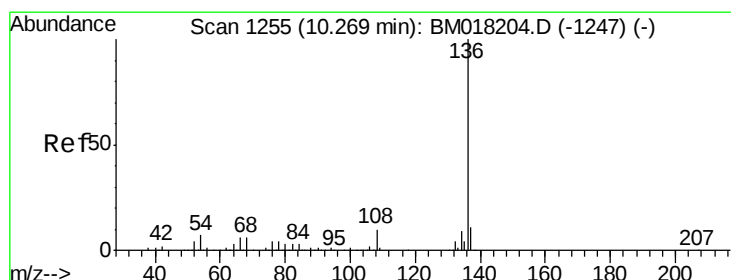
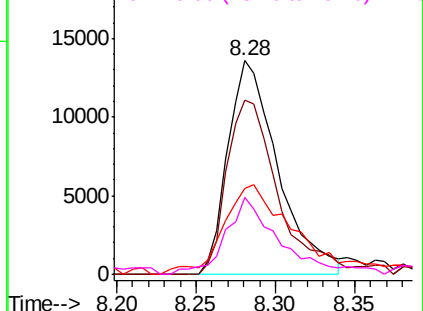
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Tgt Ion:136 Resp: 523289

Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 6.7 5.2 7.8

68 5.5 5.0 7.6

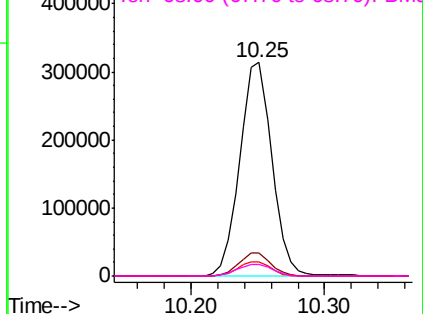
Abundance

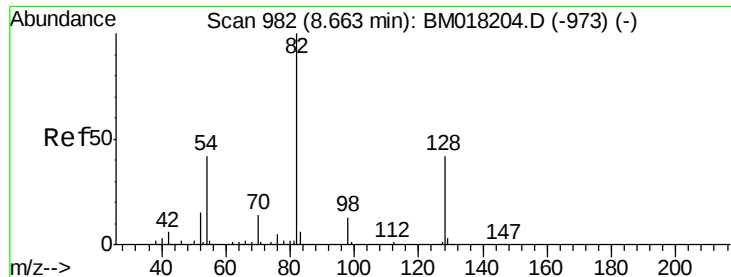
Ion 136.00 (135.70 to 136.70): E

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

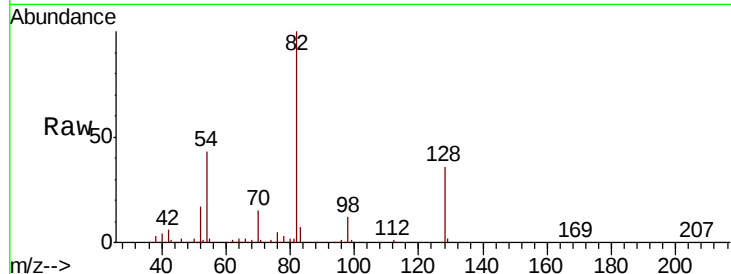




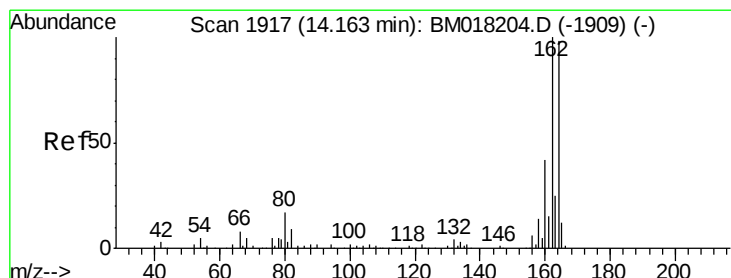
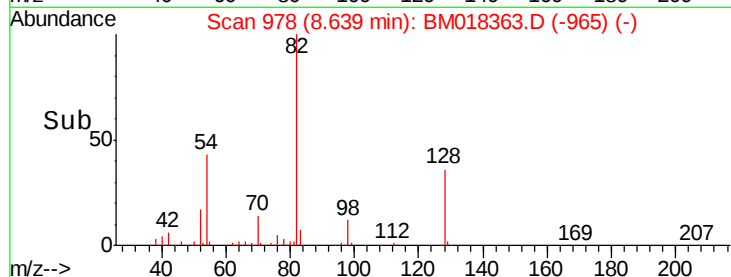
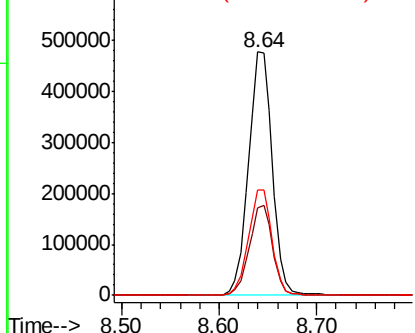
#23
Nitrobenzene-d5
Concen: 80.363 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0612-01

Tgt Ion: 82 Resp: 819854
Ion Ratio Lower Upper
82 100
128 35.9 33.4 50.2
54 43.1 33.4 50.2

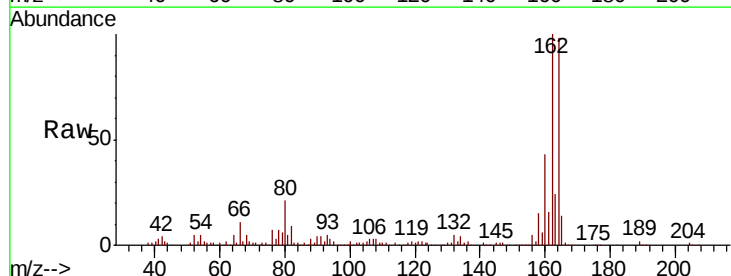


Abundance Ion 82.00 (81.70 to 82.70): BM018204.D (-973) (-)
Ion 128.00 (127.70 to 128.70): BM018204.D (-973) (-)
Ion 54.00 (53.70 to 54.70): BM018204.D (-973) (-)

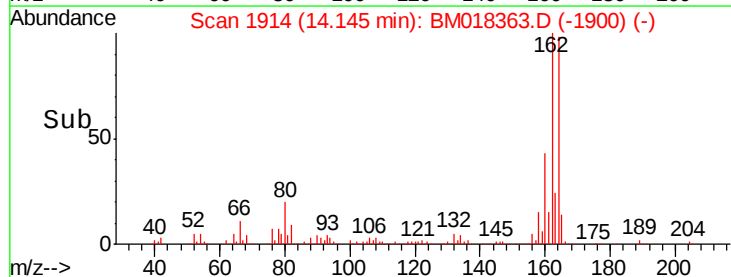
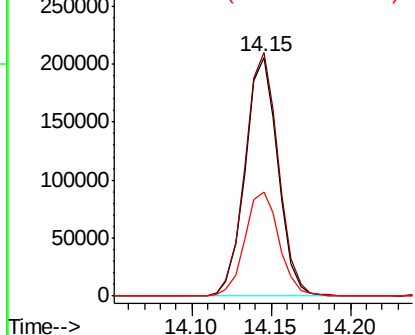


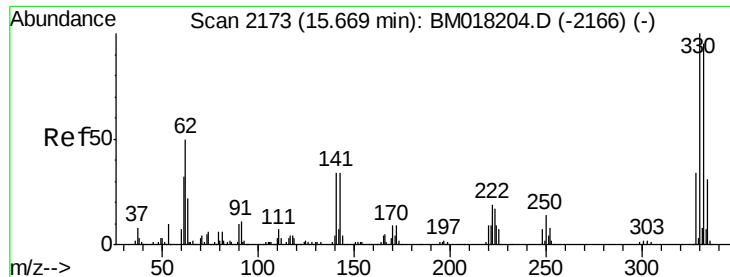
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.15 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Tgt Ion: 164 Resp: 294949
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 43.6 34.6 51.8



Abundance Ion 164.00 (163.70 to 164.70): BM018204.D (-1909) (-)
Ion 162.00 (161.70 to 162.70): BM018204.D (-1909) (-)
Ion 160.00 (159.70 to 160.70): BM018204.D (-1909) (-)

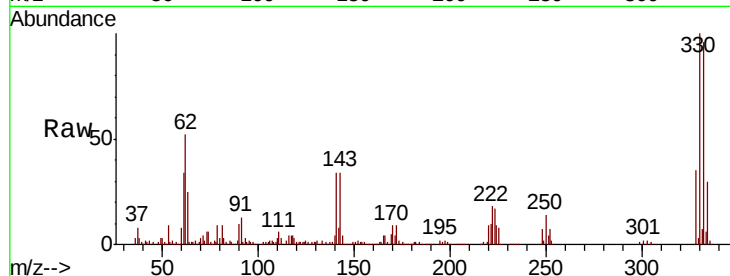




#42
 2,4,6-Tribromophenol
 Concen: 97.904 ng
 RT: 15.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BM018363.D
 Acq: 21 Dec 2018 18:50

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-0612-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.6	118.0
141	40.2	27.1	40.7

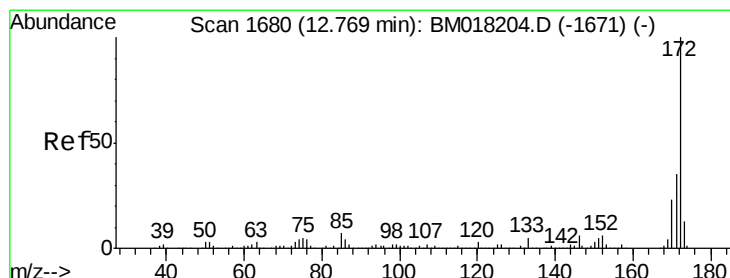
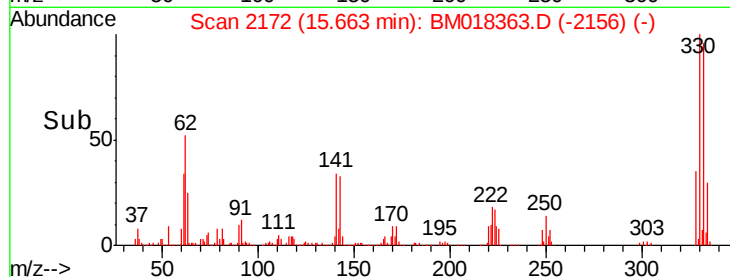
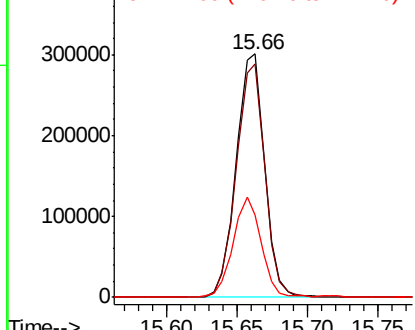


Abundance

Ion 329.80 (329.50 to 330.50): E

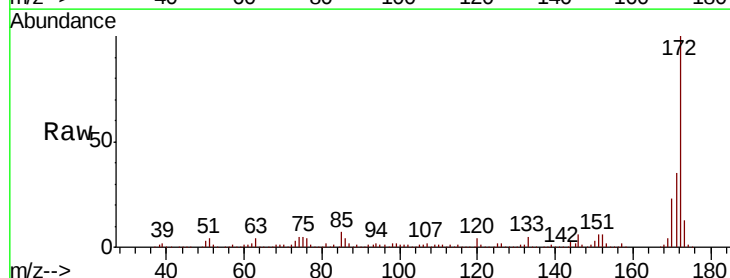
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.683 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018363.D
 Acq: 21 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	23.1	18.1	27.1

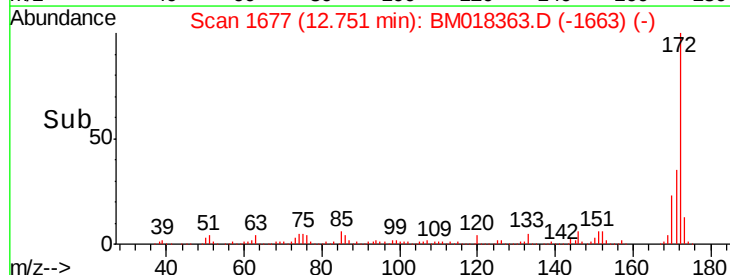
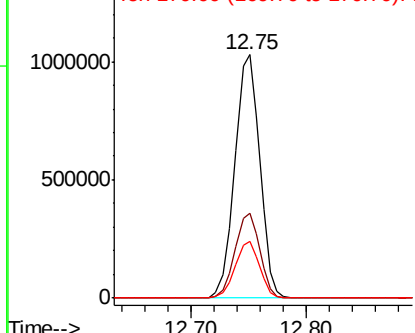


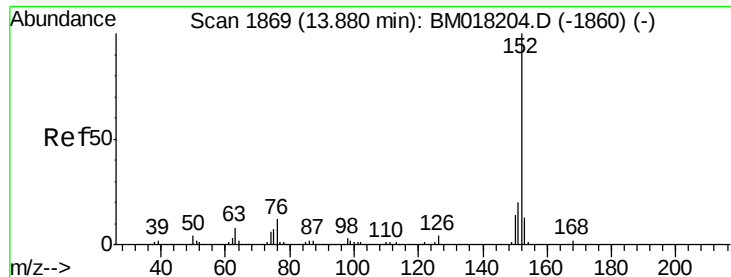
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 4.620 ng

RT: 13.86 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

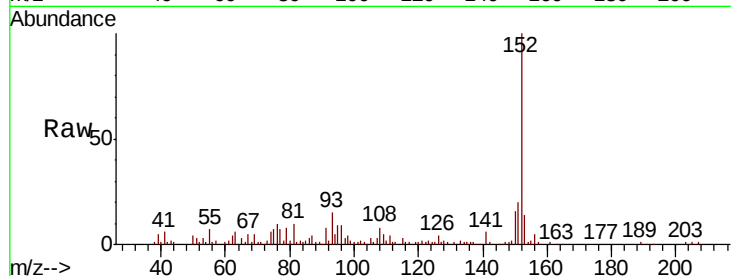
Tgt Ion:152 Resp: 135962

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

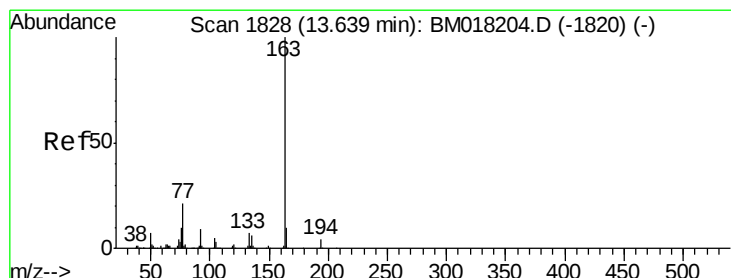
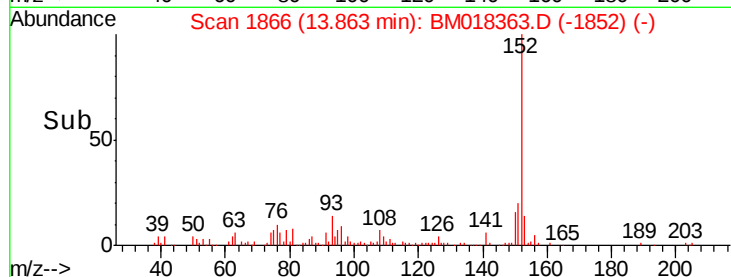
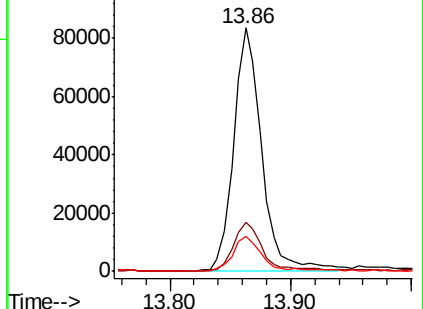
153 14.3 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.373 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

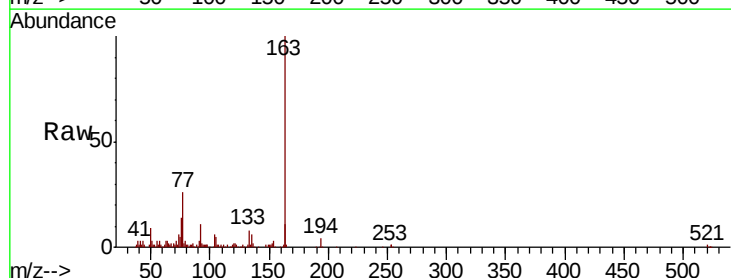
Tgt Ion:163 Resp: 205318

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

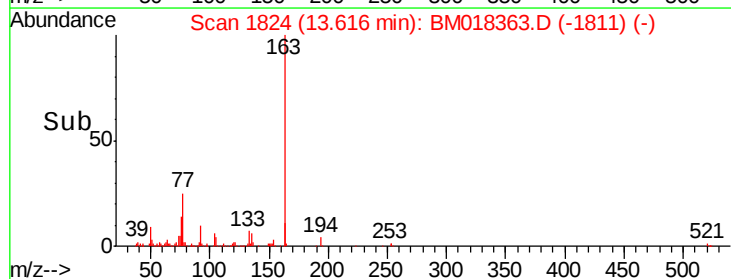
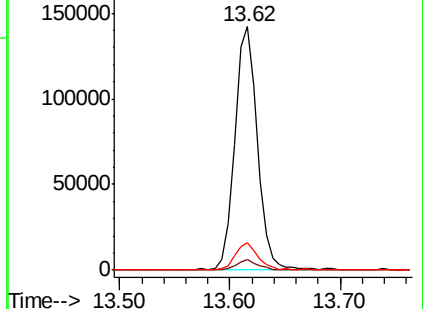
164 11.0 7.9 11.9

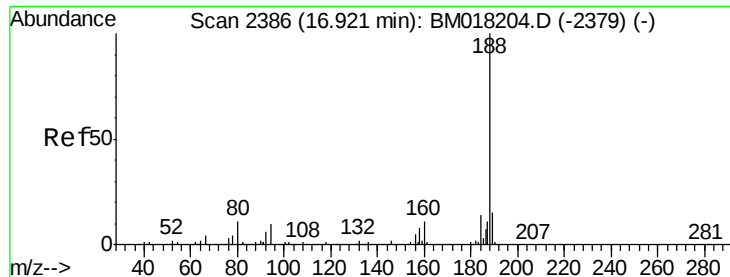


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

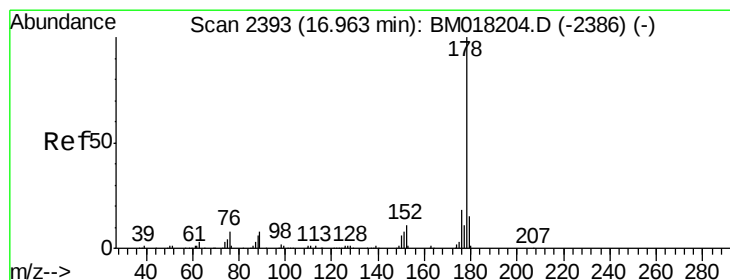
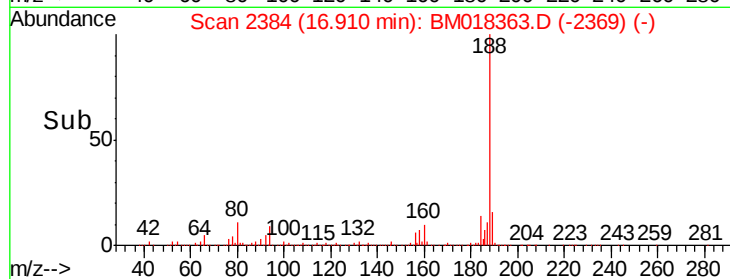
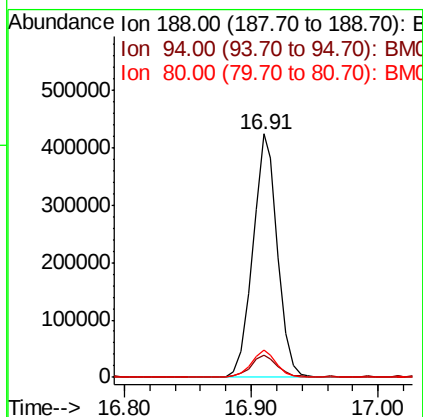
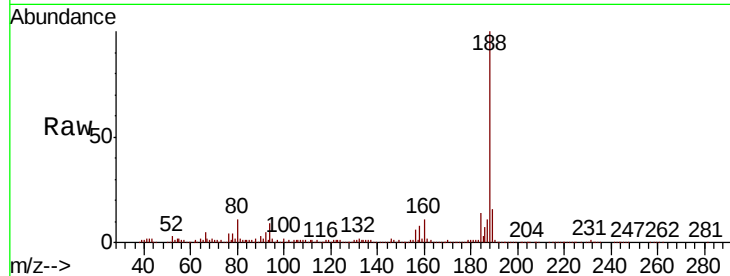




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

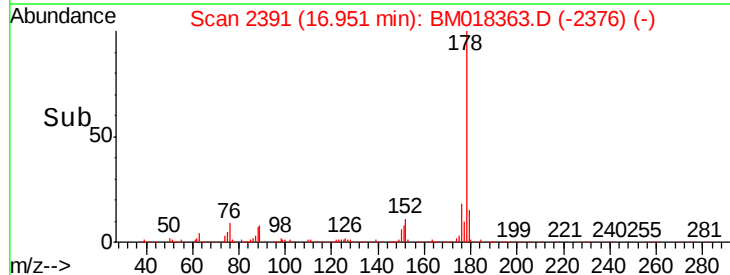
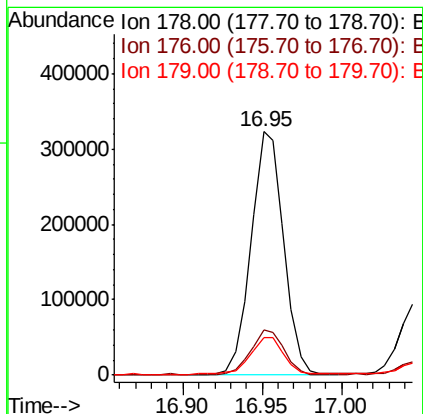
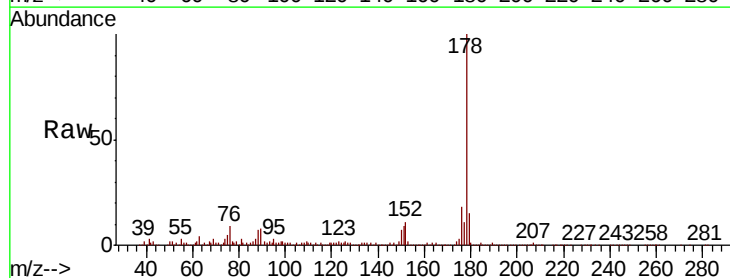
Instrument :
BNA_M
ClientSampleId :
P001-SS008-0612-01

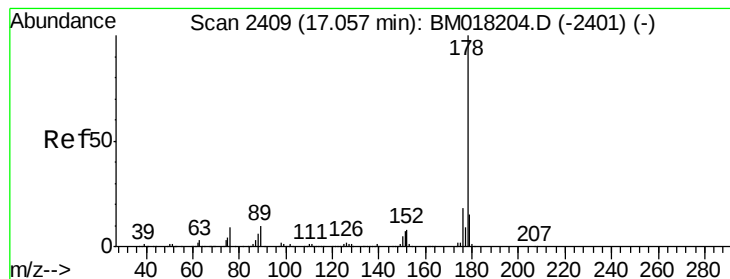
Tgt Ion:188 Resp: 571626
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 11.2 9.0 13.6



#71
Phenanthrene
Concen: 14.735 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Tgt Ion:178 Resp: 457524
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.3 12.0 18.0





#72

Anthracene

Concen: 4.083 ng

RT: 17.04 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

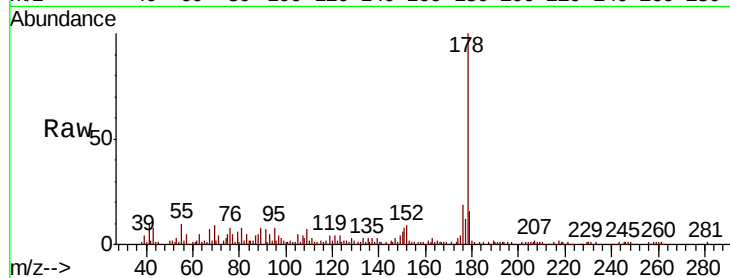
Tgt Ion:178 Resp: 125764

Ion Ratio Lower Upper

178 100

176 18.8 14.3 21.5

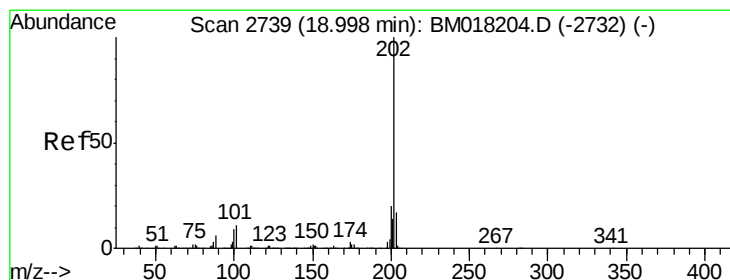
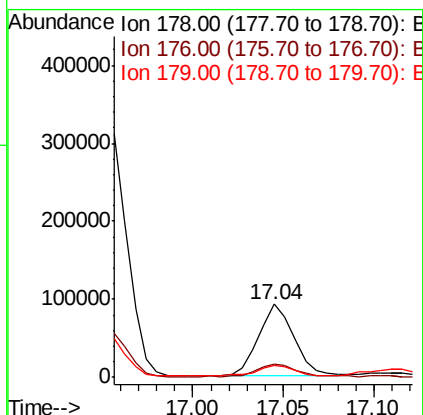
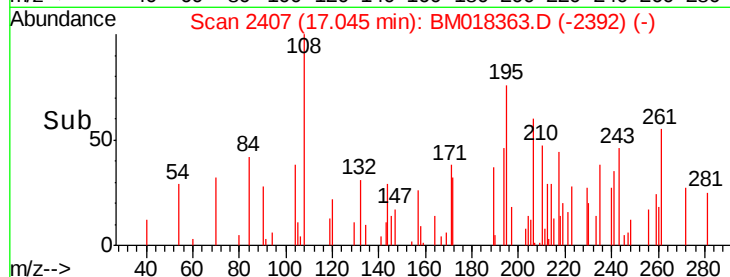
179 16.2 12.0 18.0



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: 9.823 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

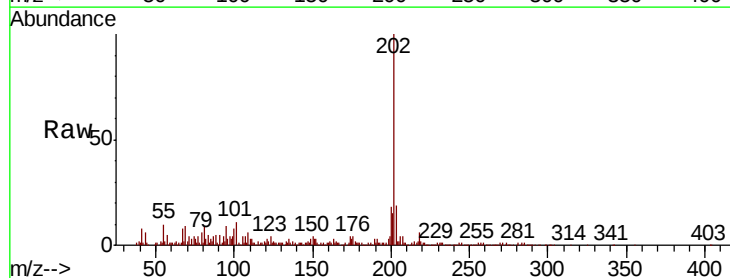
Tgt Ion:202 Resp: 354599

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.5

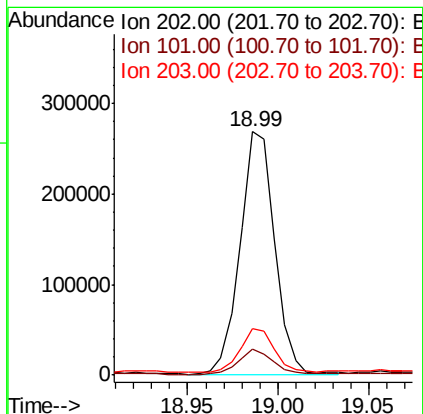
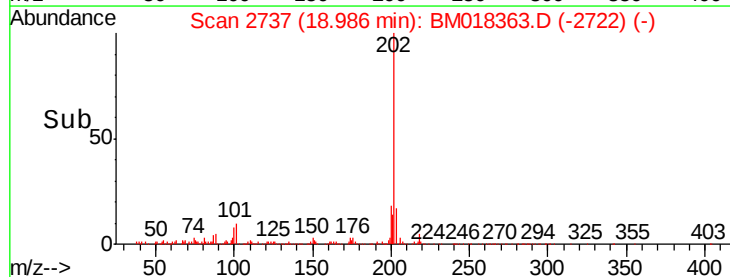
203 18.9 0.0 37.5

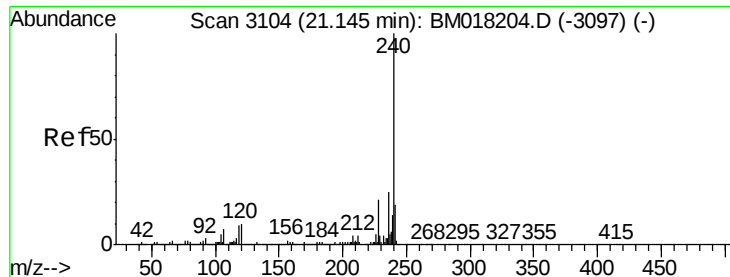


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

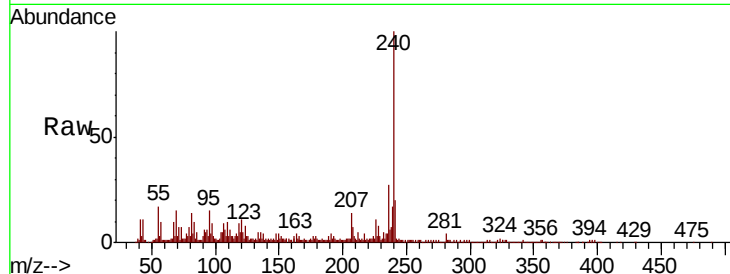




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0612-01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.2	12.2
236	26.6	20.3	30.5

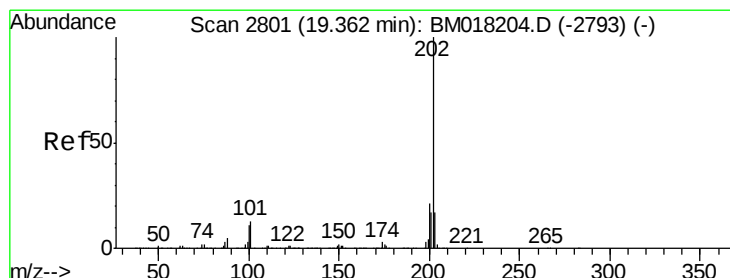
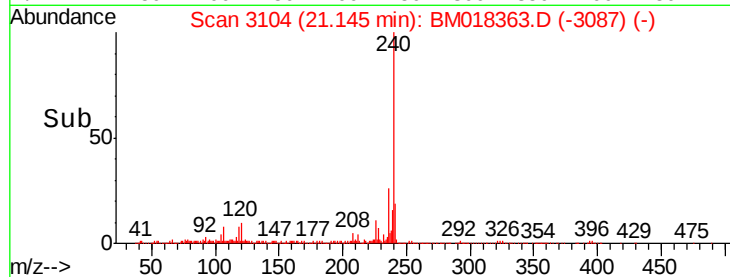
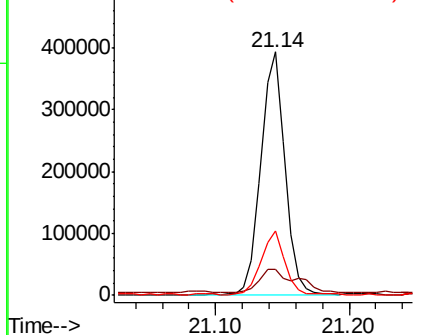


Abundance

Ion 240.00 (239.70 to 240.70): E

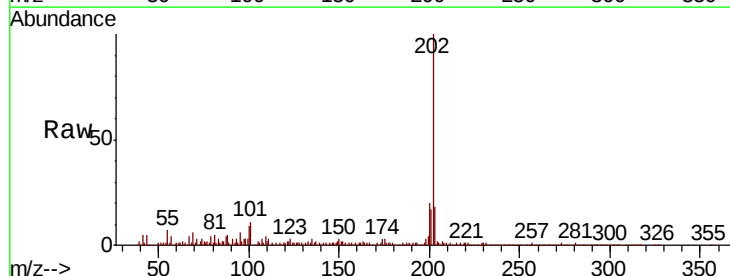
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 19.828 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	18.3	14.0	21.0

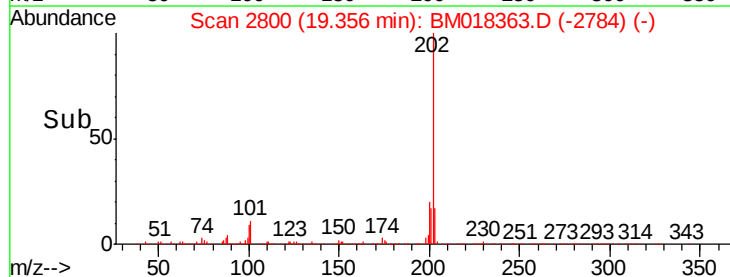
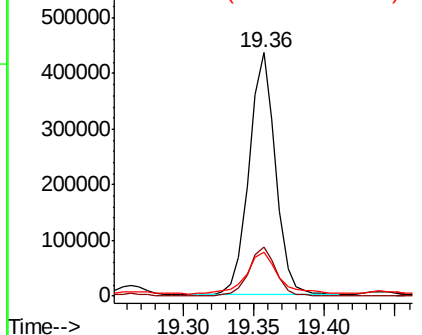


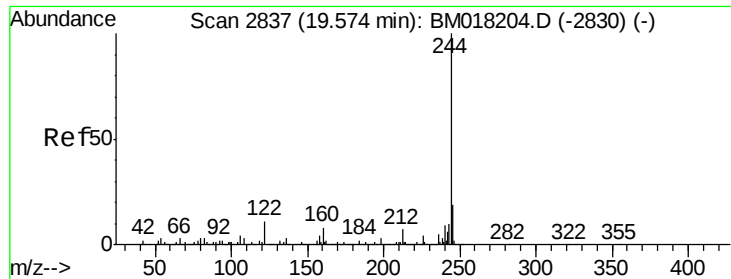
Abundance

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: 76.876 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

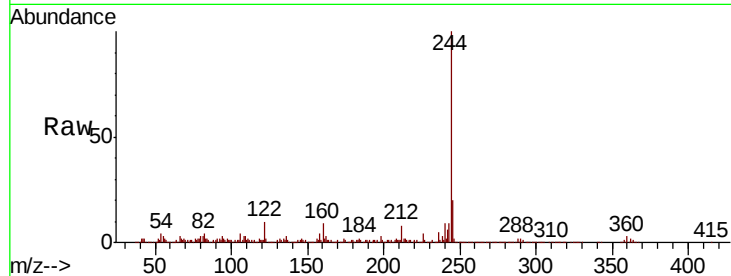
Tgt Ion:244 Resp: 1650818

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

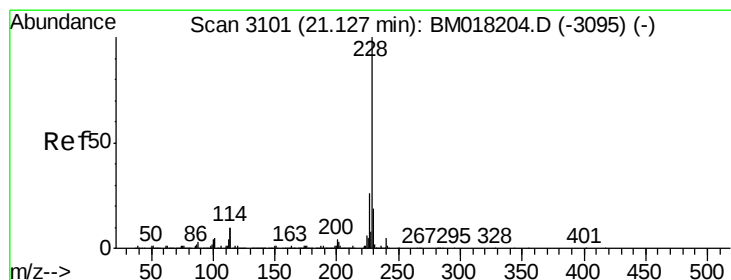
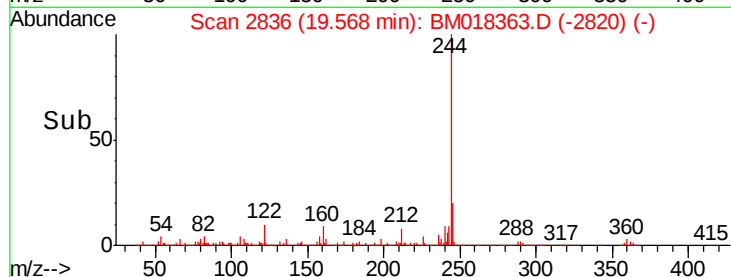
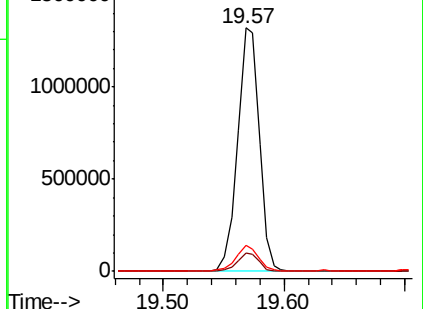
122 10.5 9.0 13.6



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: 7.546 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

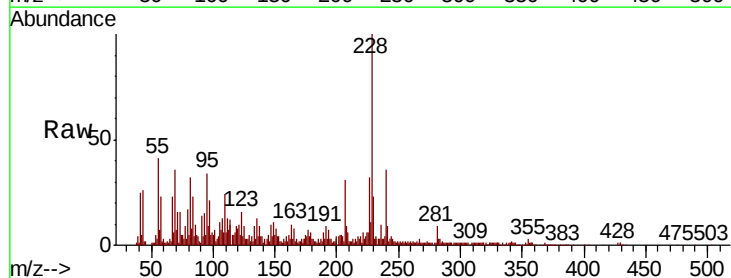
Tgt Ion:228 Resp: 214073

Ion Ratio Lower Upper

228 100

226 32.5 21.0 31.4#

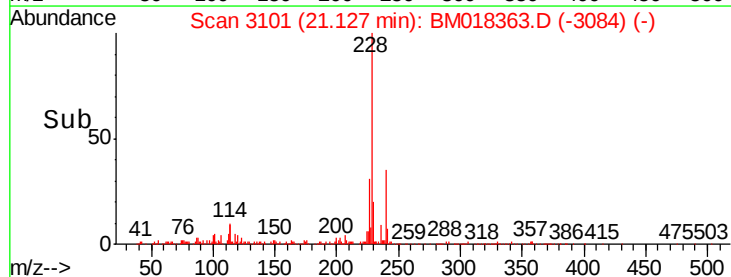
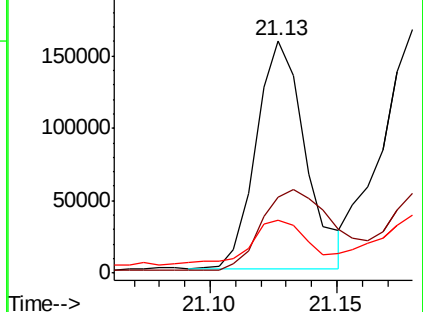
229 22.8 15.5 23.3

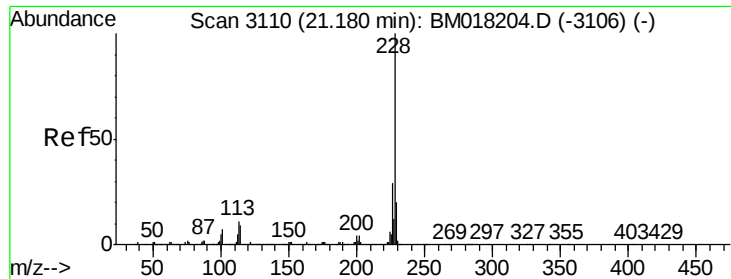


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.665 ng

RT: 21.18 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

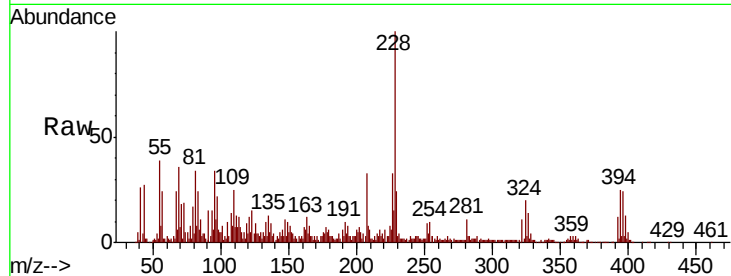
BNA_M

ClientSampleId :

P001-SS008-0612-01

Tgt Ion: 228 Resp: 236457

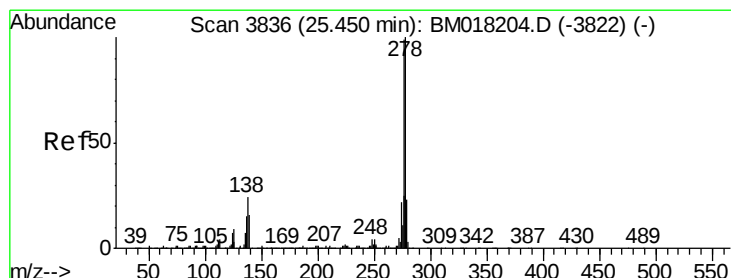
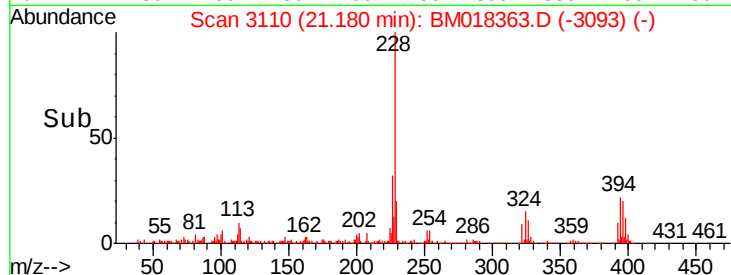
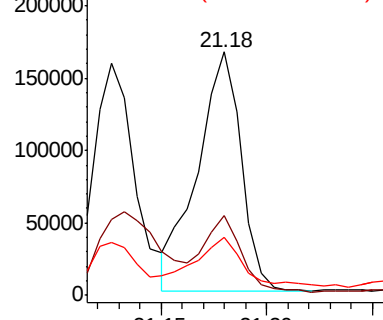
Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.1	34.7
229	23.6	15.8	23.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.697 ng

RT: 25.46 min Scan# 3838

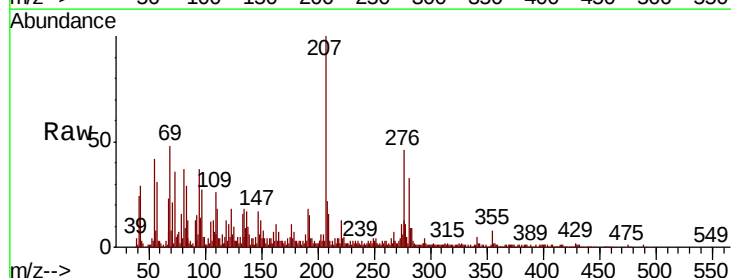
Delta R.T. 0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Tgt Ion: 276 Resp: 127686

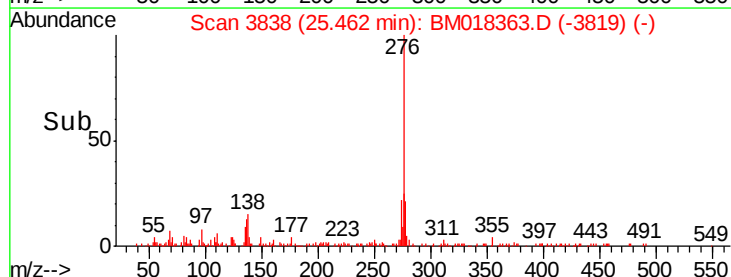
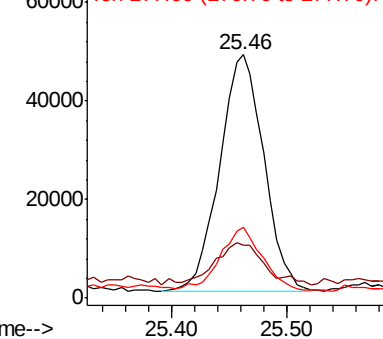
Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.6	28.0
277	25.0	20.3	30.5

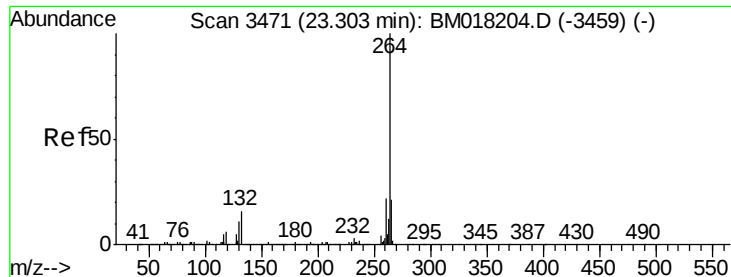


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



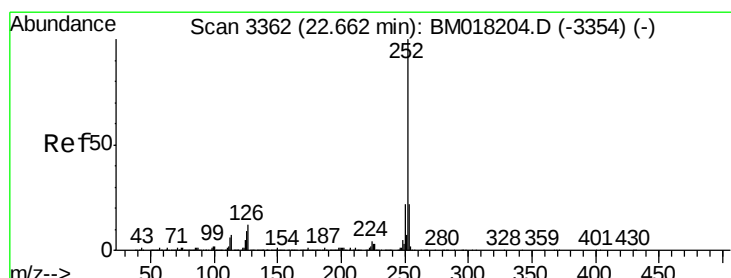
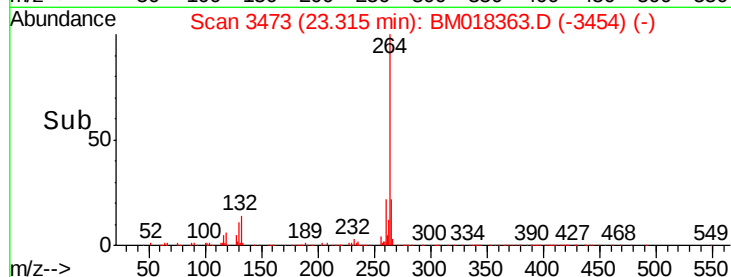
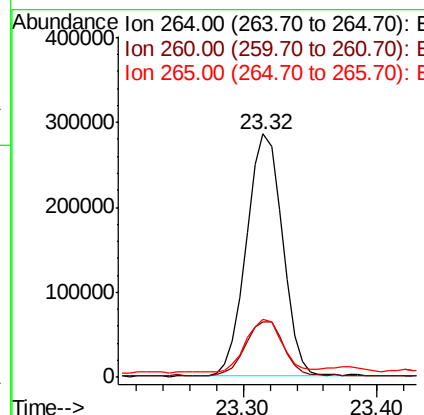
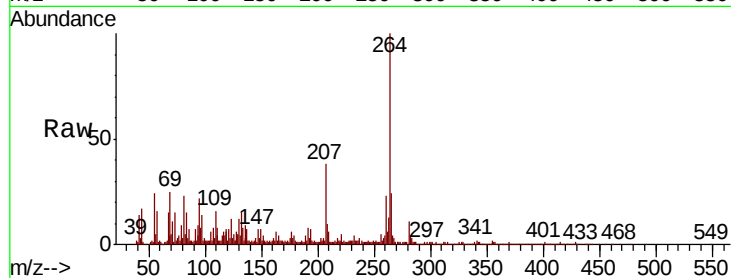


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.32 min Scan# 3473
Delta R.T. 0.01 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Instrument :
BNA_M
ClientSampleId :
P001-SS008-0612-01

Tgt Ion: 264 Resp: 532762

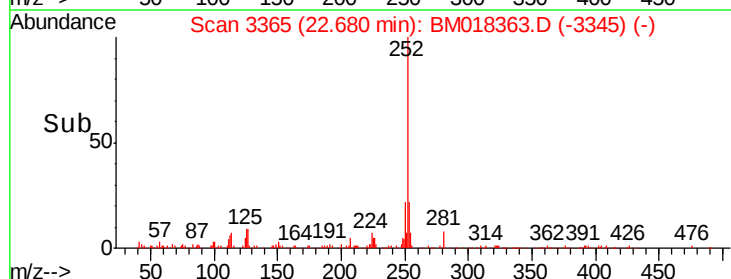
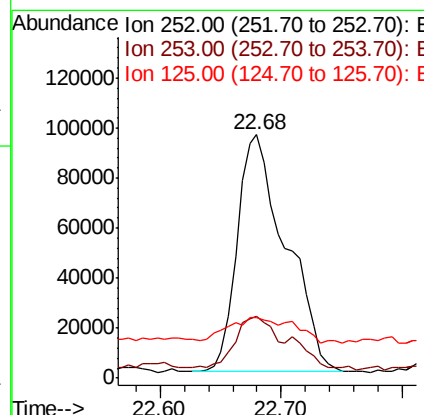
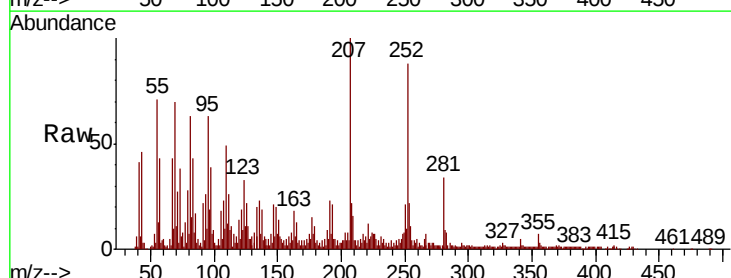
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.5	26.3
265	23.8	17.3	25.9

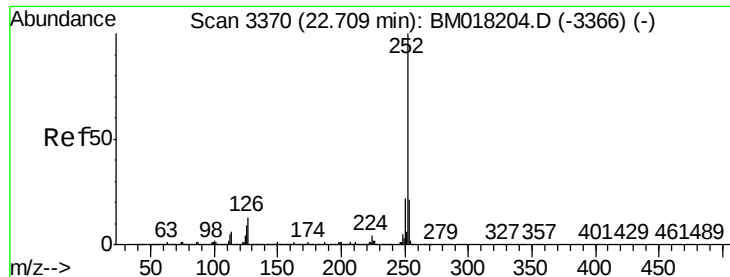


#88
Benzo(b)fluoranthene
Concen: 8.858 ng
RT: 22.68 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BM018363.D
Acq: 21 Dec 2018 18:50

Tgt Ion: 252 Resp: 265095

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.6	26.4
125	24.6	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 8.935 ng

RT: 22.68 min Scan# 3365

Delta R.T. -0.03 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

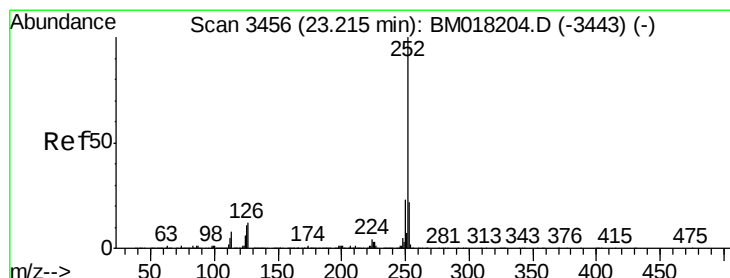
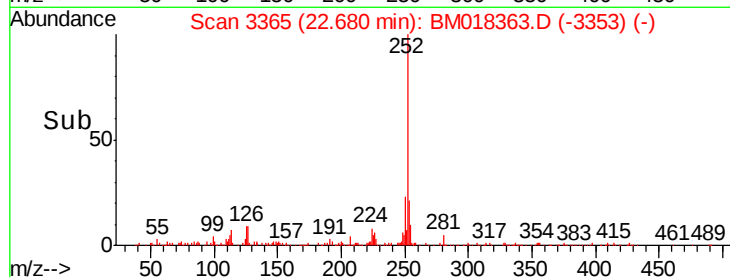
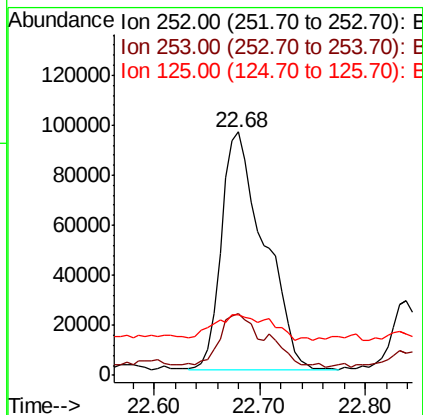
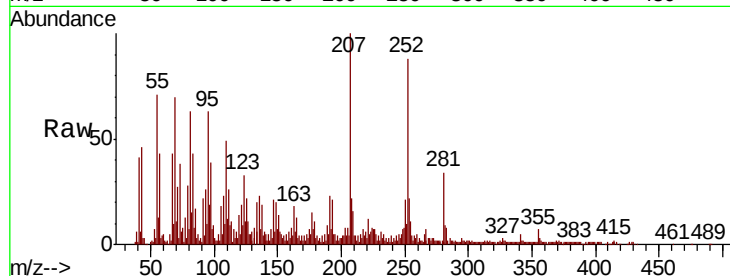
Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

Tgt Ion:	252	Resp:	266303
Ion Ratio	Lower	Upper	
252	100		
253	25.4	16.9	25.3#
125	24.6	7.5	11.3#



#90

Benzo(a)pyrene

Concen: 7.410 ng

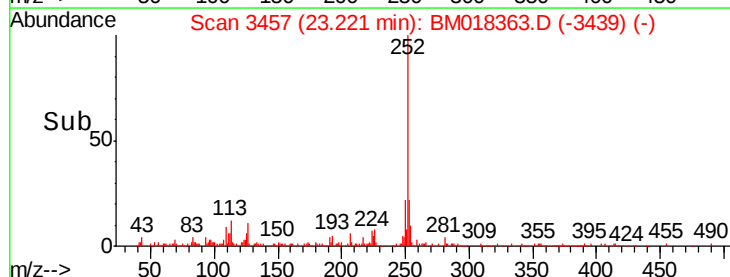
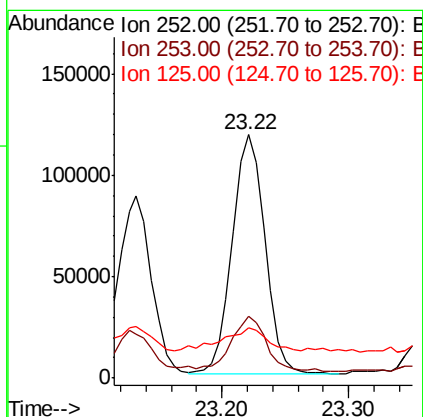
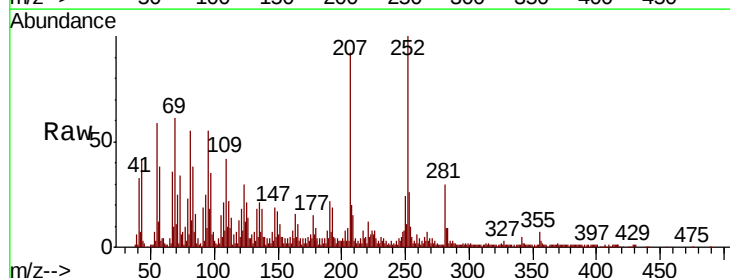
RT: 23.22 min Scan# 3457

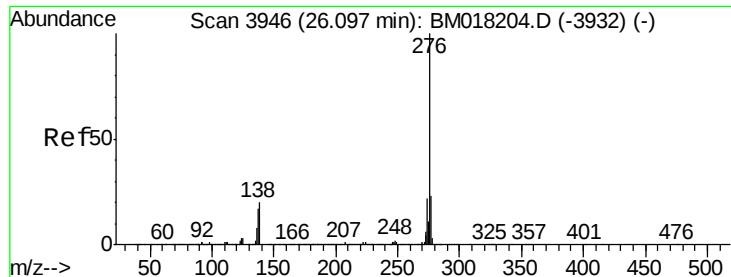
Delta R.T. 0.01 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Tgt Ion:	252	Resp:	210907
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.6	26.4
125	20.7	8.6	12.8#





#92

Benzo(g,h,i)perylene

Concen: 7.160 ng

RT: 26.12 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM018363.D

Acq: 21 Dec 2018 18:50

Instrument :

BNA_M

ClientSampleId :

P001-SS008-0612-01

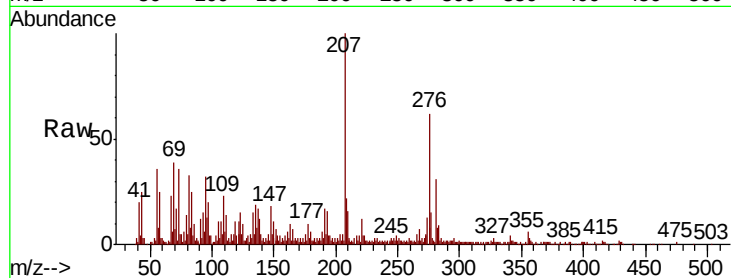
Tgt Ion: 276 Resp: 178459

Ion Ratio Lower Upper

276 100

277 24.9 18.7 28.1

138 19.1 15.8 23.8



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

