

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012519\
 Data File : BM018655.D
 Acq On : 25 Jan 2019 16:44
 Operator : JU/SJ
 Sample : K1157-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-02-011519

Quant Time: Jan 28 02:06:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 22:01:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	251540	20.00	ng	-0.01
21) Naphthalene-d8	10.52	136	989312	20.00	ng	0.00
39) Acenaphthene-d10	14.38	164	548656	20.00	ng	0.00
64) Phenanthrene-d10	17.13	188	1254766	20.00	ng	0.00
76) Chrysene-d12	21.33	240	1346596	20.00	ng	0.00
87) Perylene-d12	23.60	264	1380390	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1428384	104.85	ng	0.00
7) Phenol-d6	6.90	99	1863146	107.68	ng	0.00
23) Nitrobenzene-d5	8.90	82	1127916	66.09	ng	0.00
42) 2,4,6-Tribromophenol	15.87	330	771013	110.37	ng	-0.01
45) 2-Fluorobiphenyl	13.00	172	2629849	62.55	ng	0.00
79) Terphenyl-d14	19.76	244	3904616	61.12	ng	0.00

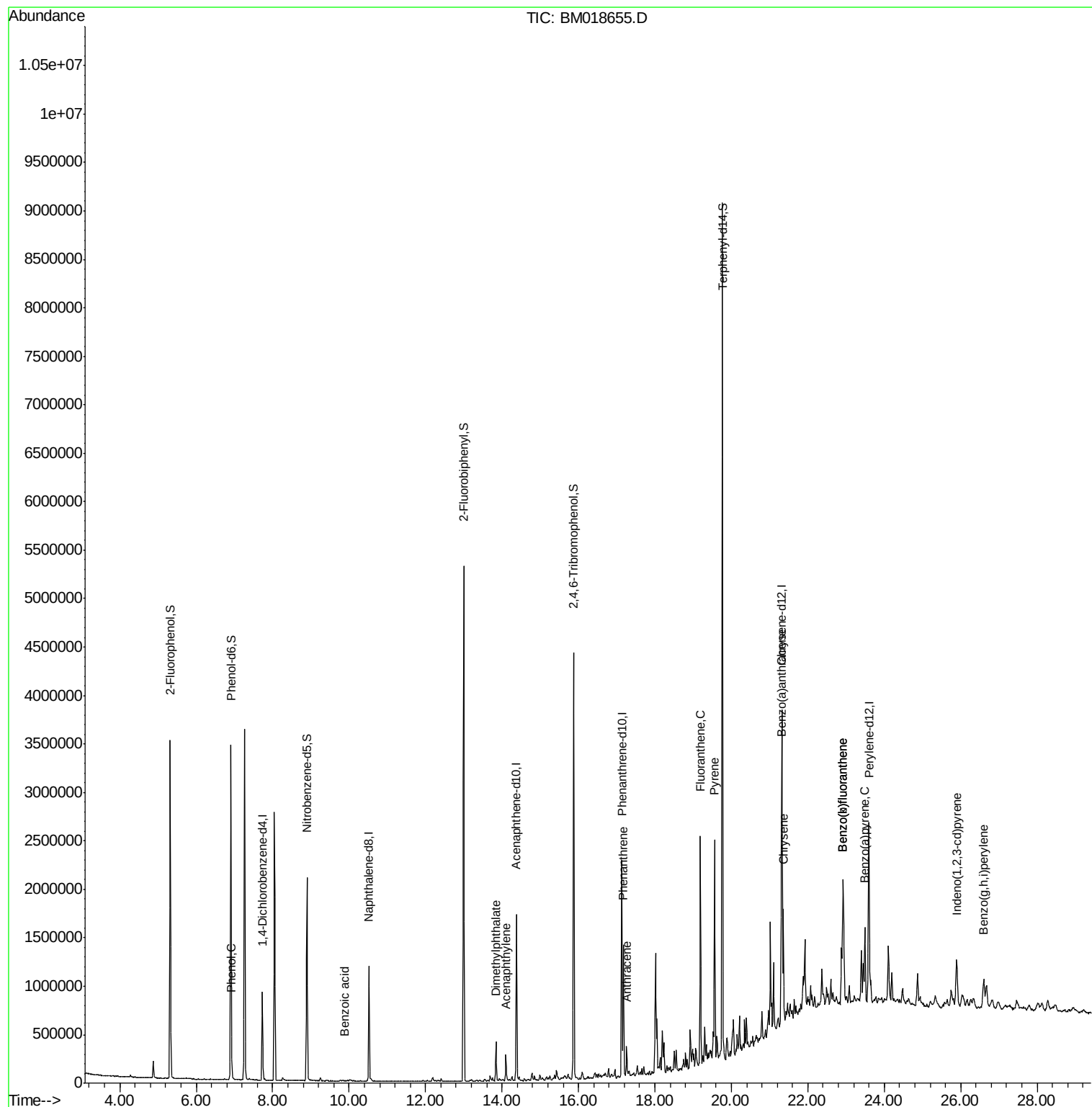
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.93	94	59977	3.411	ng	96
32) Benzoic acid	9.88	122	110	6.514	ng	# 1
49) Acenaphthylene	14.10	152	209559	3.871	ng	99
50) Dimethylphthalate	13.84	163	226422	5.025	ng	99
71) Phenanthrene	17.17	178	804247	12.050	ng	99
72) Anthracene	17.26	178	202049	3.148	ng	97
75) Fluoranthene	19.19	202	1312250	17.054	ng	98
78) Pyrene	19.56	202	1353676	16.959	ng	99
81) Benzo(a)anthracene	21.31	228	620621	7.823	ng	96
83) Chrysene	21.36	228	642700	8.390	ng	98
86) Indeno(1,2,3-cd)pyrene	25.89	276	361610	4.094	ng	# 94
88) Benzo(b)fluoranthene	22.91	252	968674	12.361	ng	98
89) Benzo(k)fluoranthene	22.91	252	965604	12.226	ng	98
90) Benzo(a)pyrene	23.50	252	548847	7.315	ng	97
92) Benzo(g,h,i)perylene	26.60	276	373994	5.056	ng	98

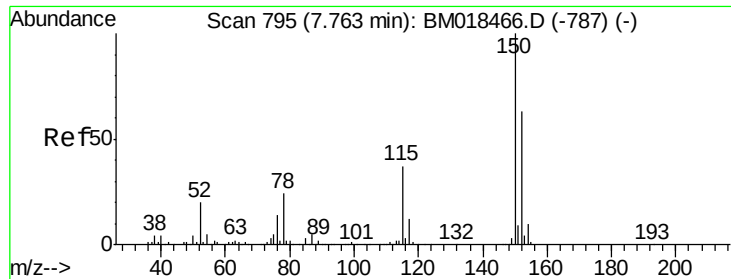
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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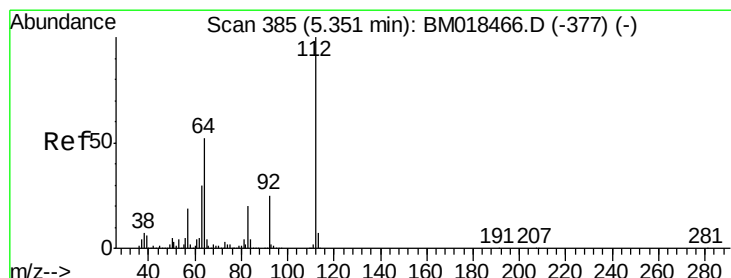
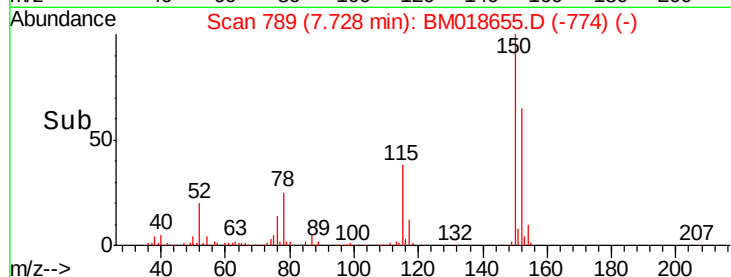
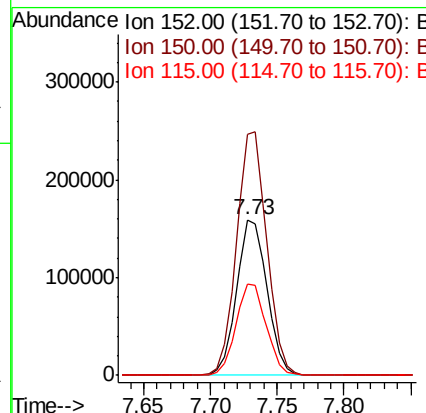
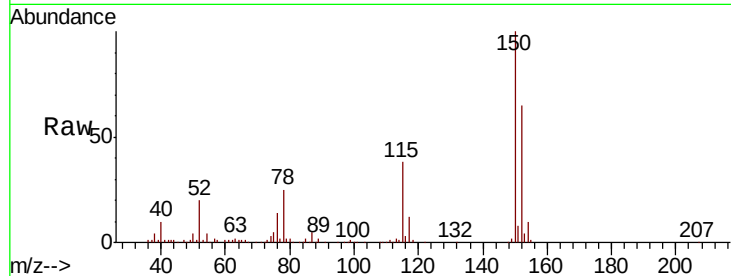


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Instrument :
BNA_M
ClientSampleId :
WC-02-011519

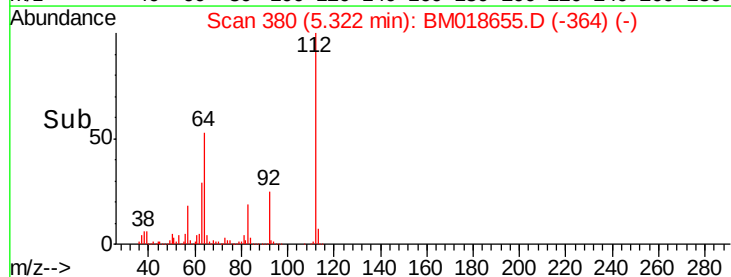
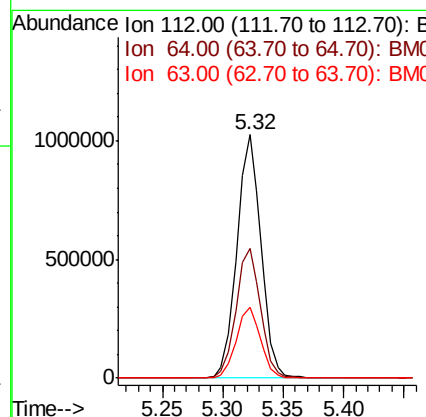
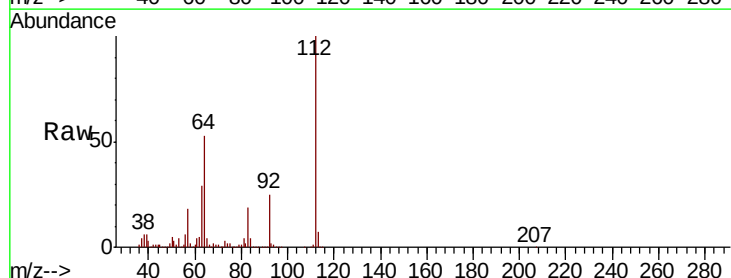
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.9	190.3
115	58.5	45.5	68.3

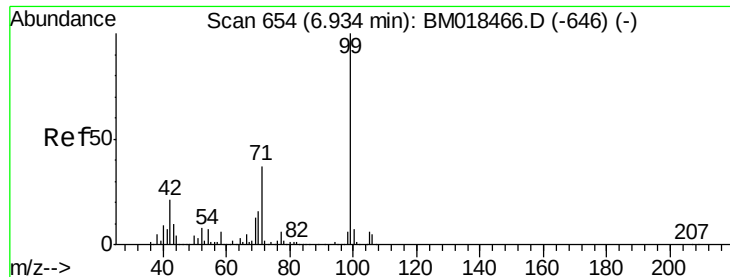


#5

2-Fluorophenol
Concen: 104.854 ng
RT: 5.32 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.5	69.7
63	29.3	25.2	37.8





#7

Phenol-d6

Concen: 107.682 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

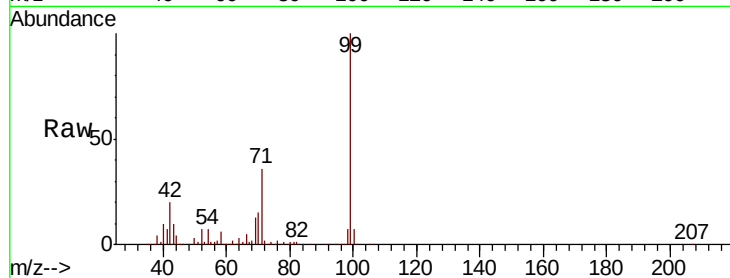
Tgt Ion: 99 Resp: 1863146

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

71 36.3 28.0 42.0

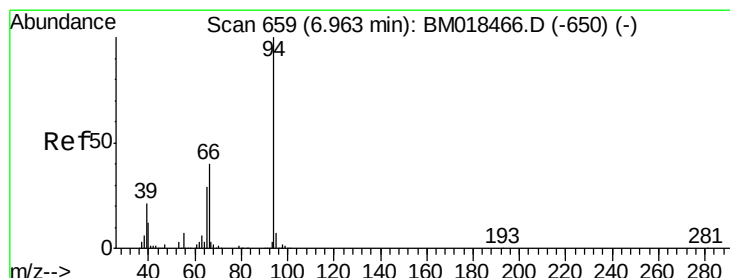
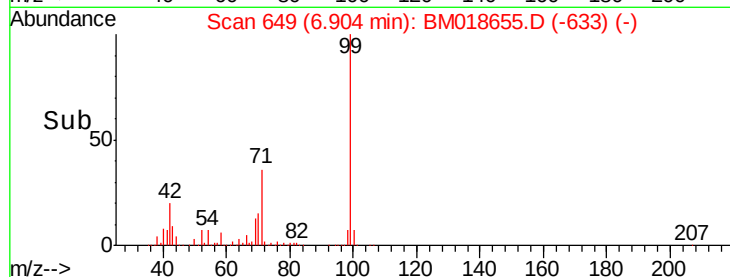


Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)

Time--> 6.80 6.85 6.90 6.95 7.00



#10

Phenol

Concen: 3.411 ng

RT: 6.93 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

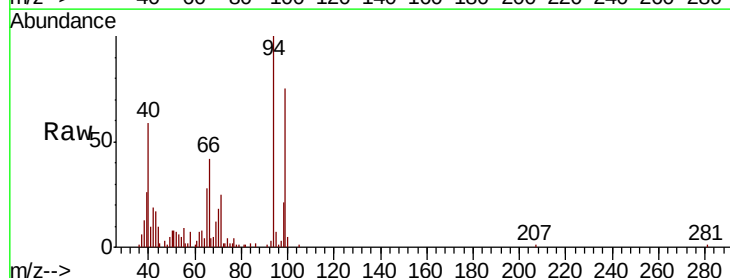
Tgt Ion: 94 Resp: 59977

Ion Ratio Lower Upper

94 100

65 27.7 9.4 49.4

66 41.8 19.1 59.1

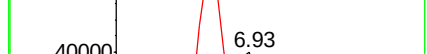
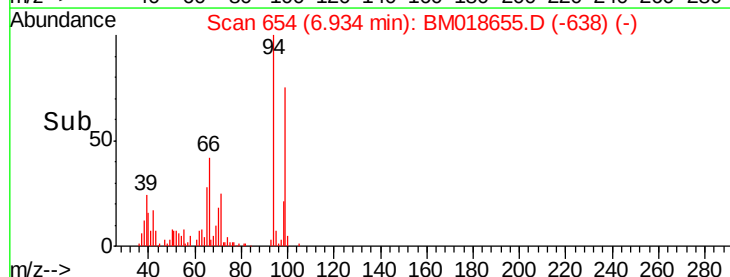


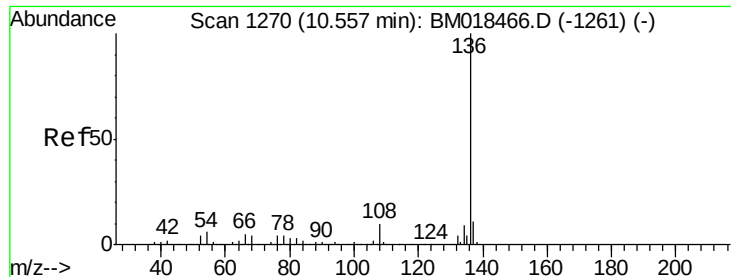
Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)

Time--> 6.85 6.90 6.95 7.00

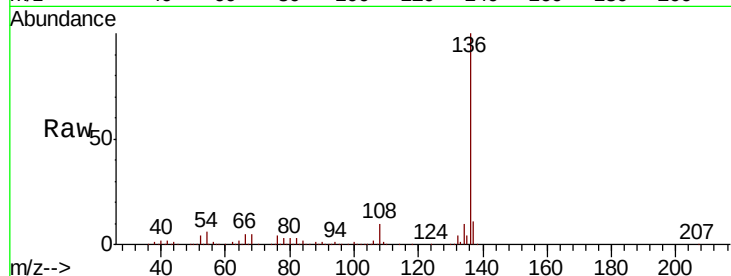




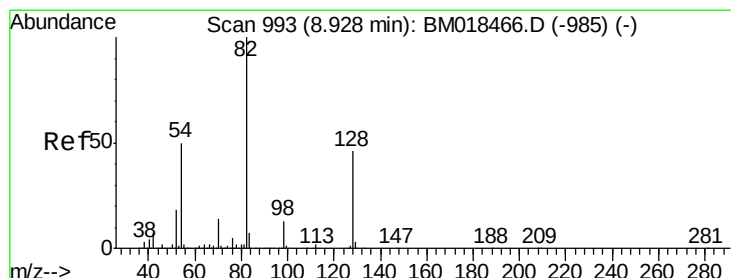
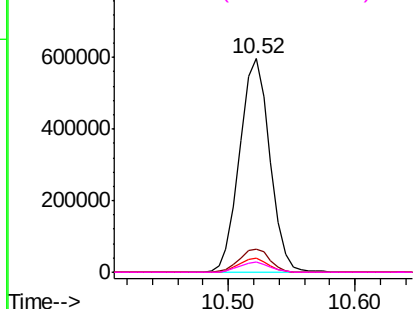
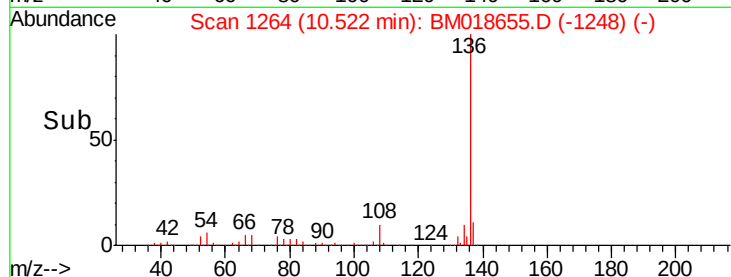
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Instrument :
BNA_M
ClientSampleId :
WC-02-011519

Tgt Ion:	136	Resp:	989312
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.5	6.0	9.0
68	4.8	4.5	6.7

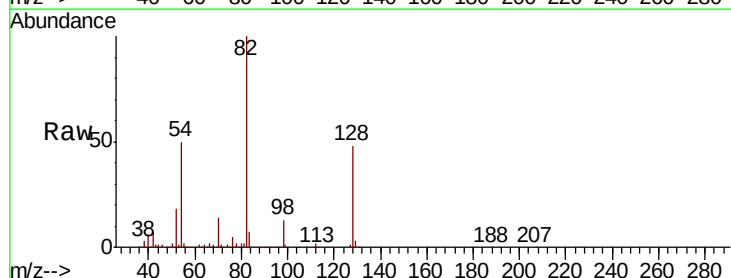


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

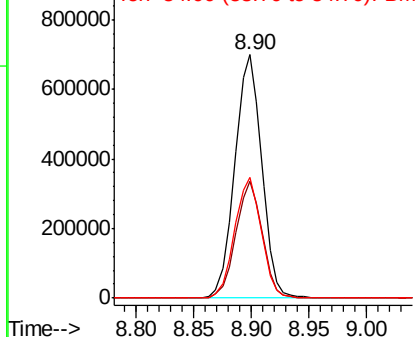
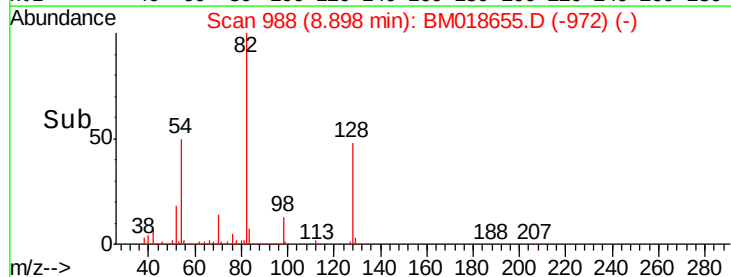


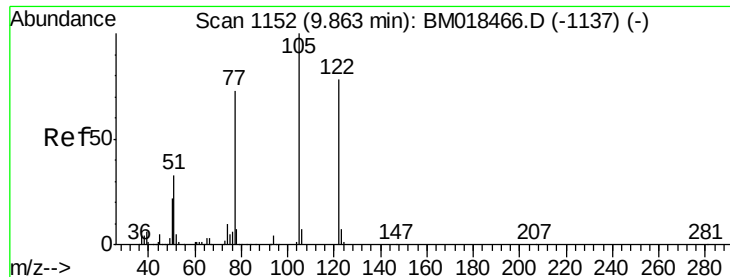
#23
Nitrobenzene-d5
Concen: 66.093 ng
RT: 8.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Tgt Ion:	82	Resp:	1127916
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.3	54.5
54	49.8	41.7	62.5



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





#32

Benzoic acid

Concen: 6.514 ng

RT: 9.88 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

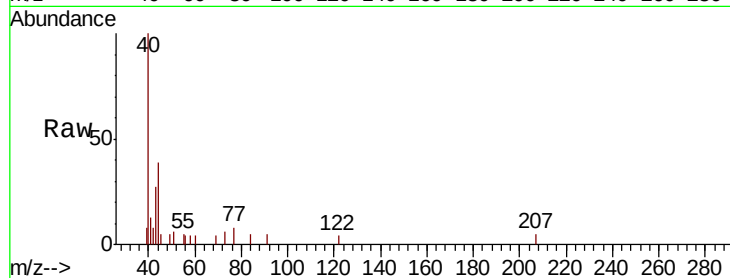
Tgt Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 0.0 100.4 140.4#

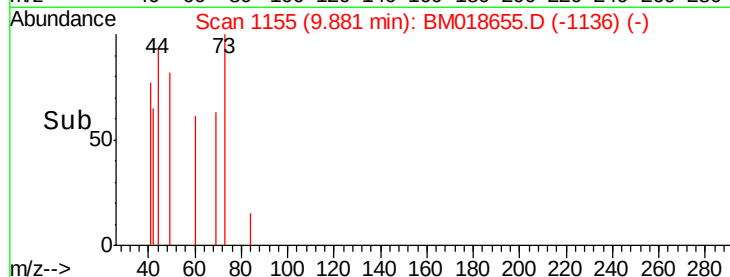
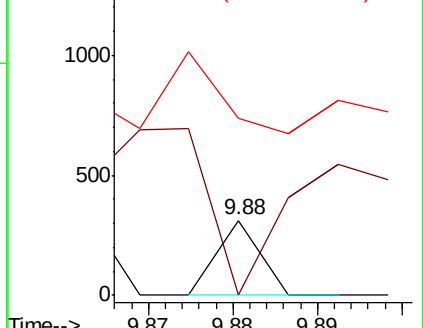
77 235.1 71.7 111.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

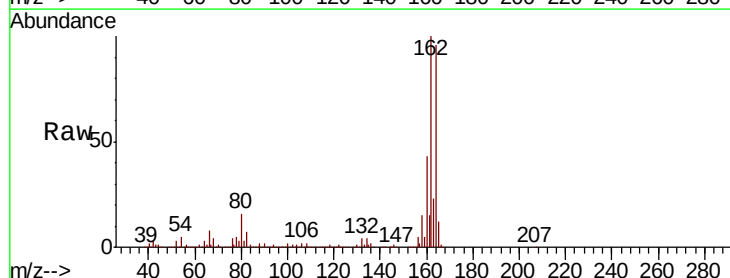
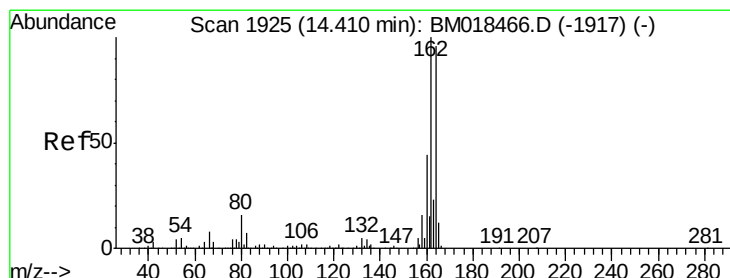
Tgt Ion:164 Resp: 548656

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.4

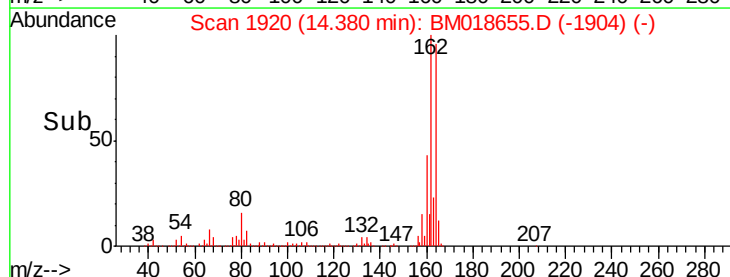
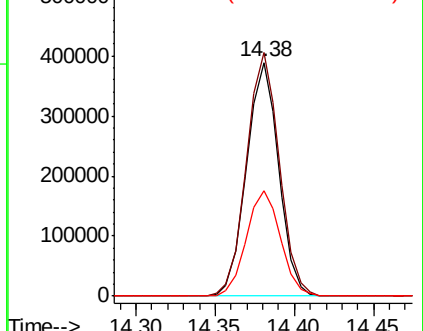
160 45.1 37.1 55.7

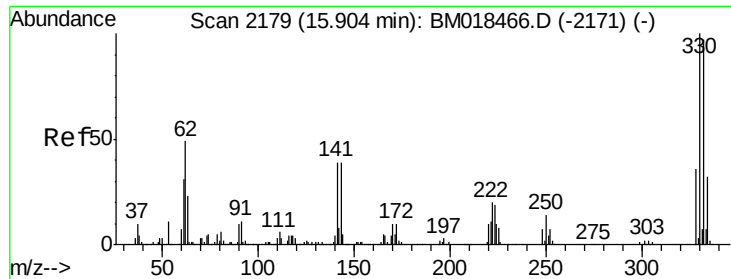


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

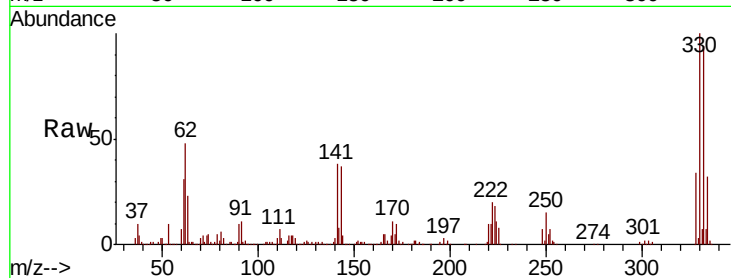




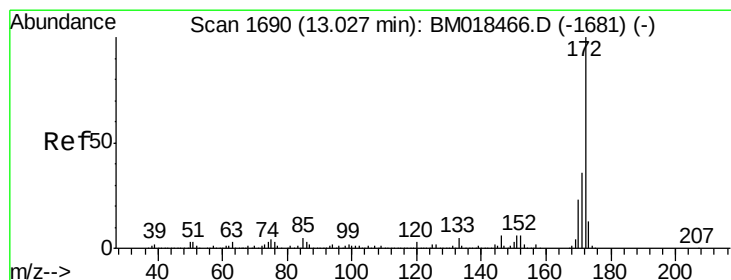
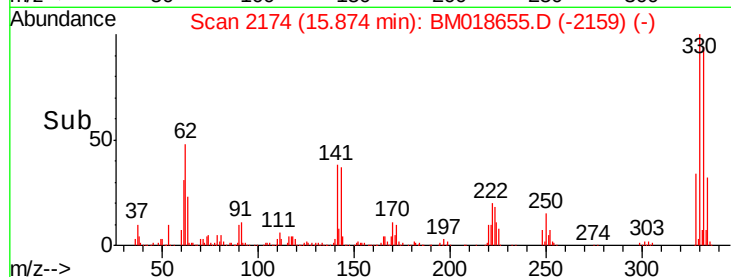
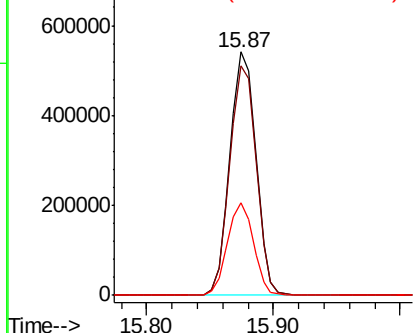
#42
 2,4,6-Tribromophenol
 Concen: 110.367 ng
 RT: 15.87 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BM018655.D
 Acq: 25 Jan 2019 16:44

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	38.0	31.7	47.5

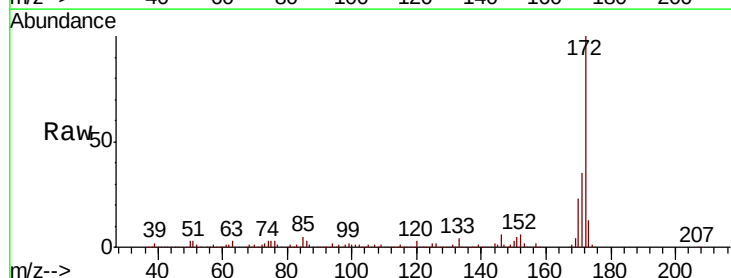


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

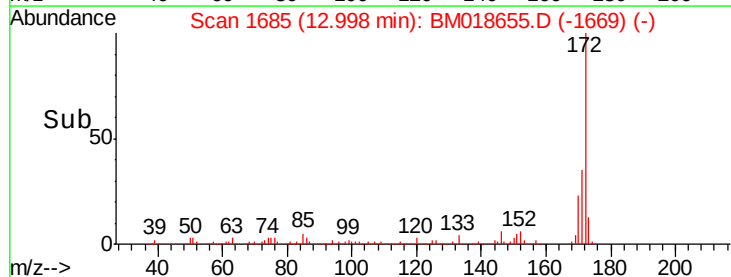
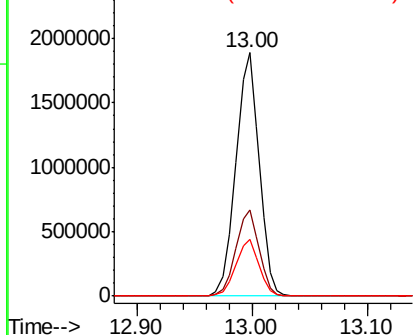


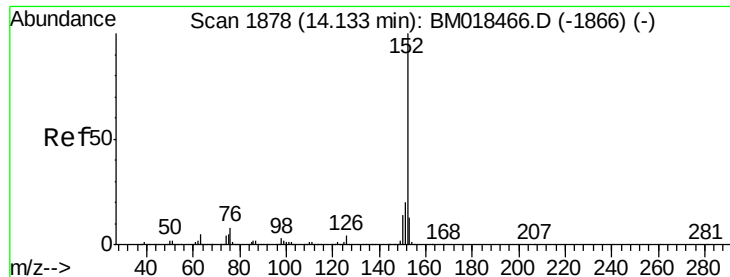
#45
 2-Fluorobiphenyl
 Concen: 62.545 ng
 RT: 13.00 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BM018655.D
 Acq: 25 Jan 2019 16:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.1	18.9	28.3



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: 3.871 ng

RT: 14.10 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

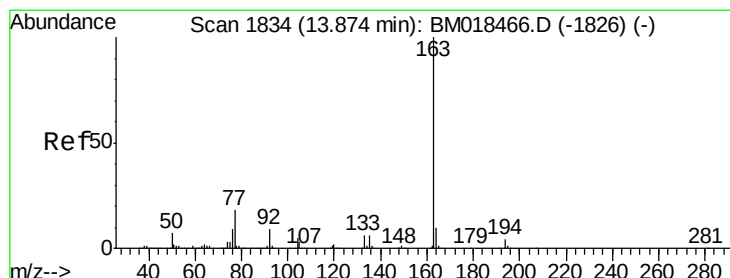
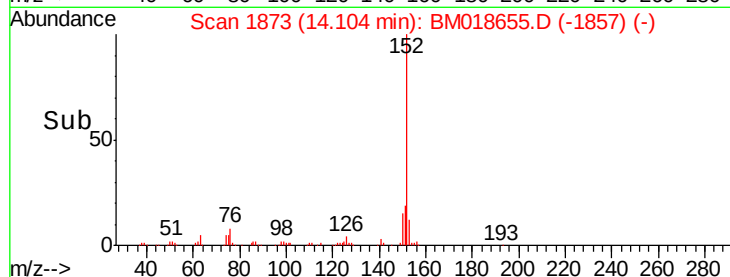
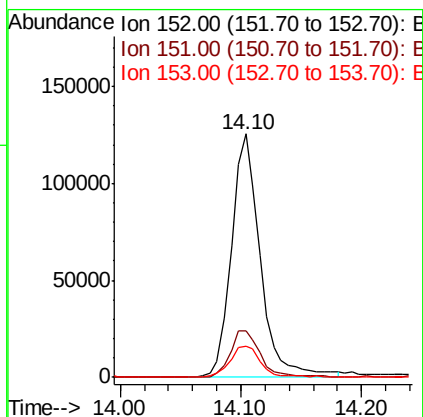
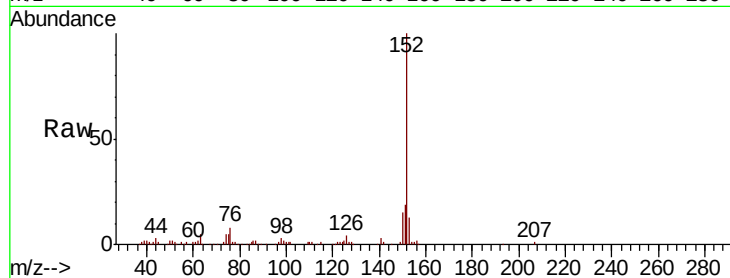
Instrument :

BNA_M

ClientSampleId :

WC-02-011519

Tgt Ion:	152	Resp:	209559
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.7	23.5
153	12.7	10.5	15.7



#50

Dimethylphthalate

Concen: 5.025 ng

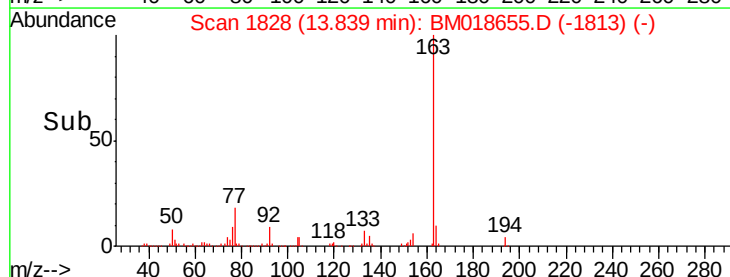
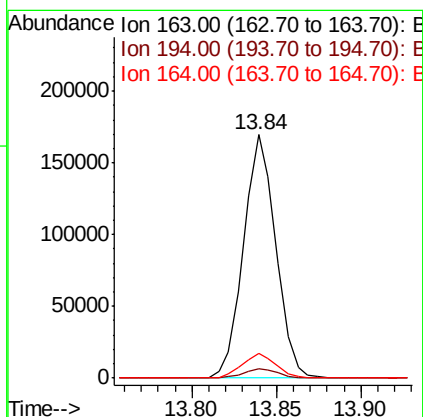
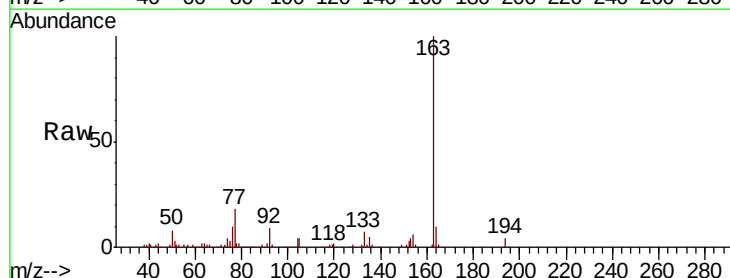
RT: 13.84 min Scan# 1828

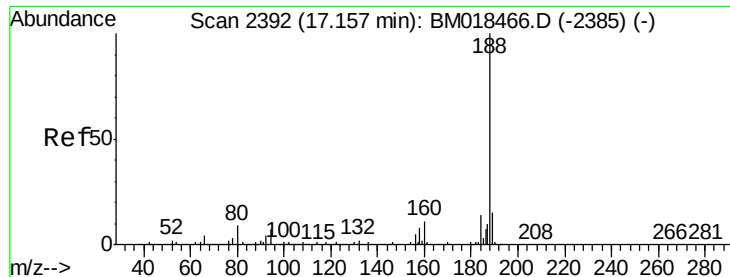
Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Tgt Ion:	163	Resp:	226422
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.6
164	10.2	7.8	11.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

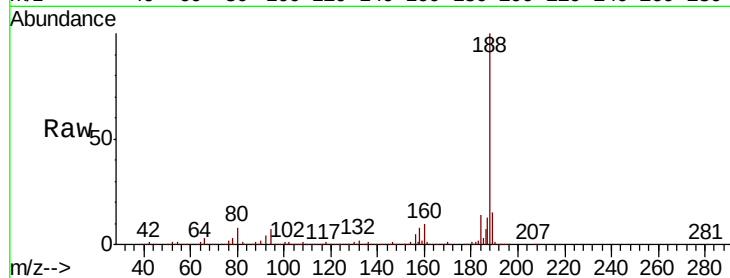
Tgt Ion:188 Resp: 1254766

Ion Ratio Lower Upper

188 100

94 7.2 7.1 10.7

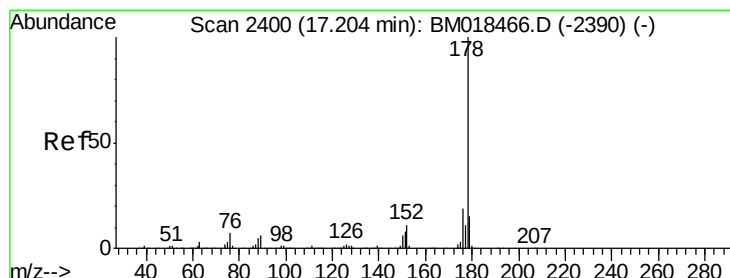
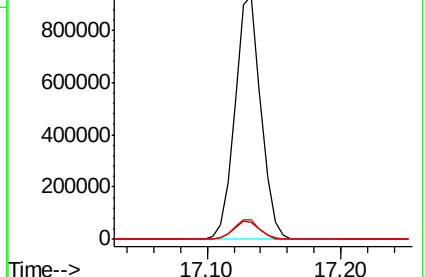
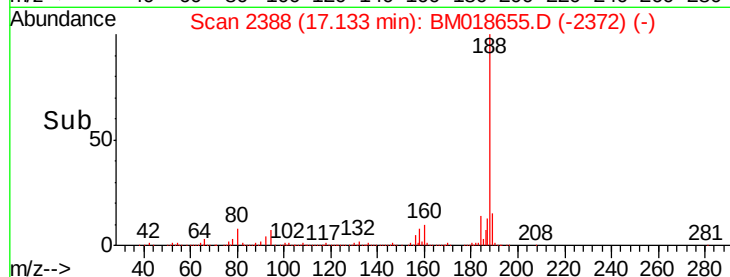
80 7.9 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM018655.D (-2372) (-)

Ion 80.00 (79.70 to 80.70): BM018655.D (-2372) (-)



#71

Phenanthrene

Concen: 12.050 ng

RT: 17.17 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

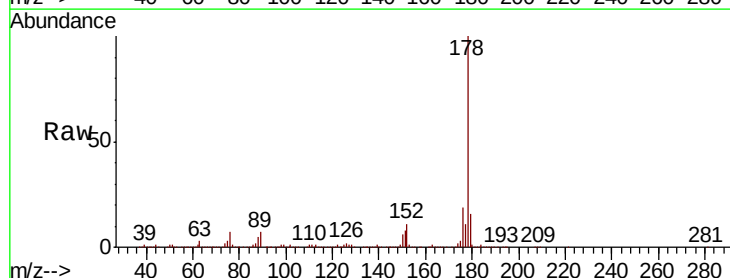
Tgt Ion:178 Resp: 804247

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

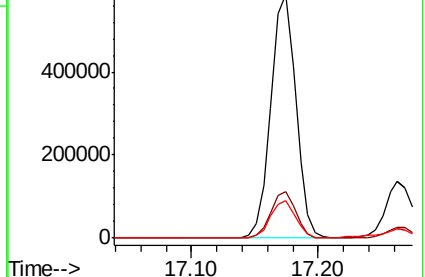
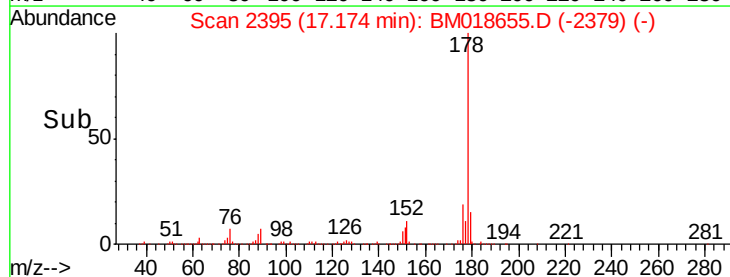
179 15.6 12.2 18.4

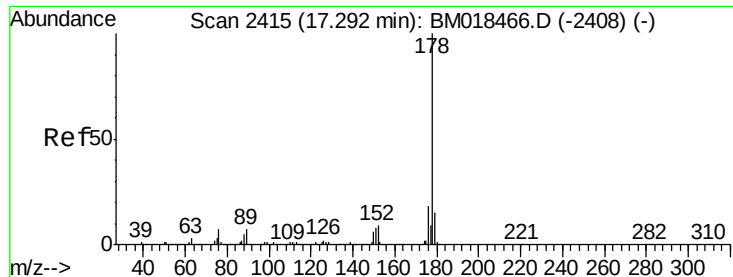


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.148 ng

RT: 17.26 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

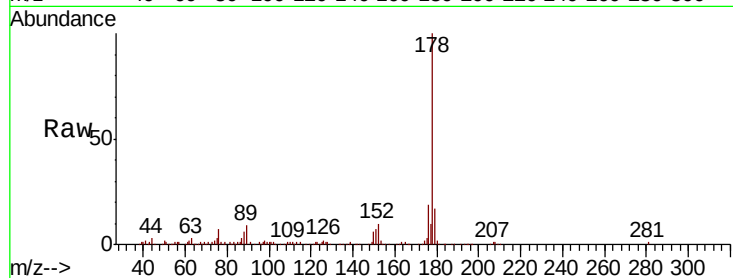
Tgt Ion:178 Resp: 202049

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

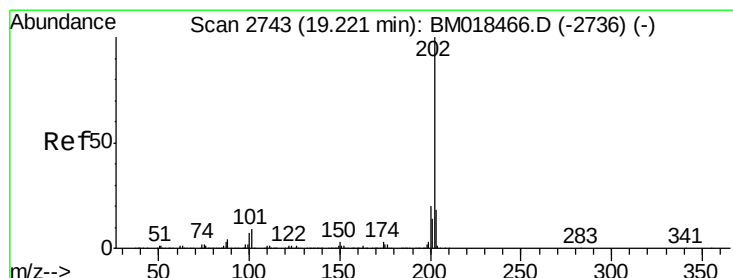
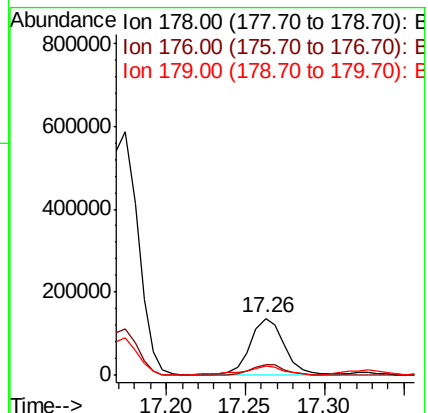
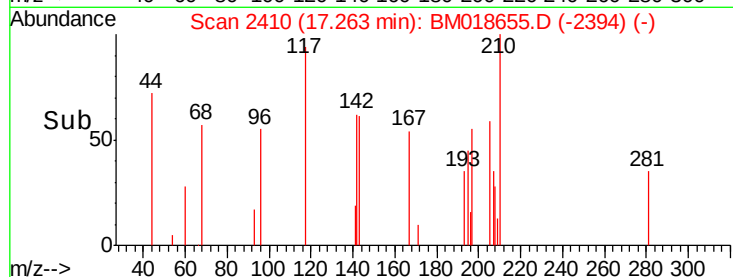
179 16.8 12.2 18.4



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: 17.054 ng

RT: 19.19 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

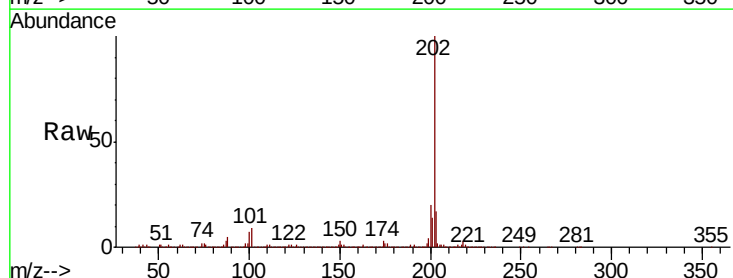
Tgt Ion:202 Resp: 1312250

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.9

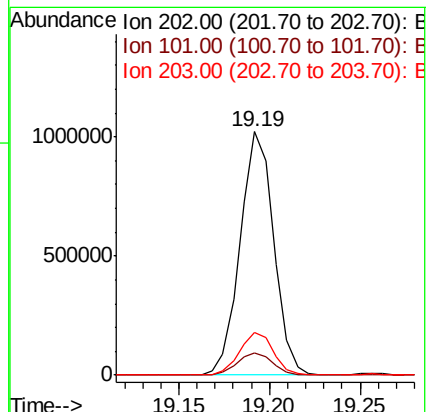
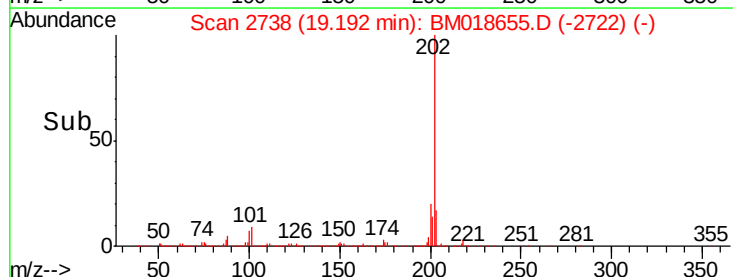
203 17.3 0.0 37.4

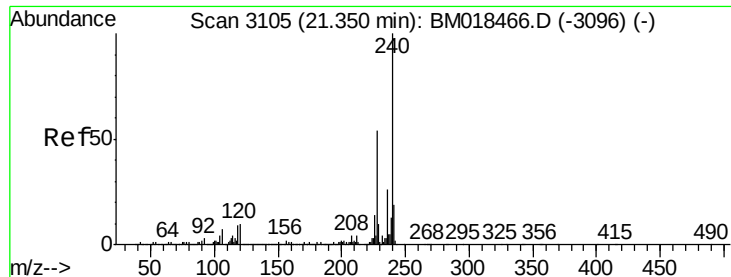


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

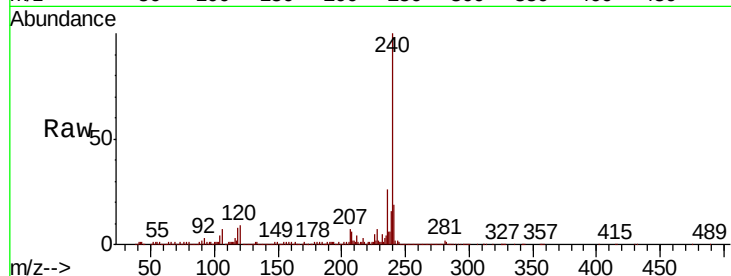




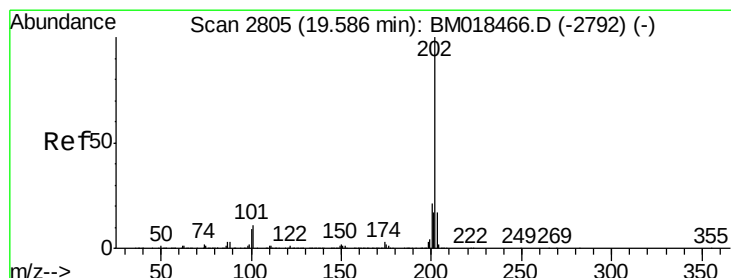
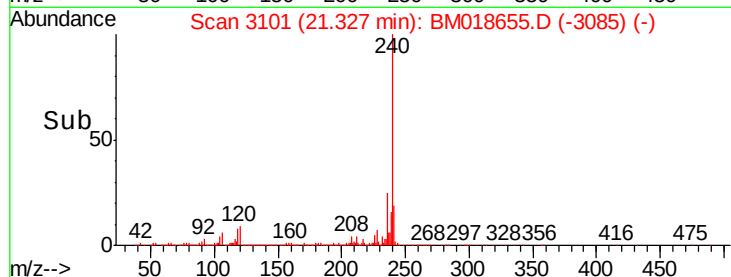
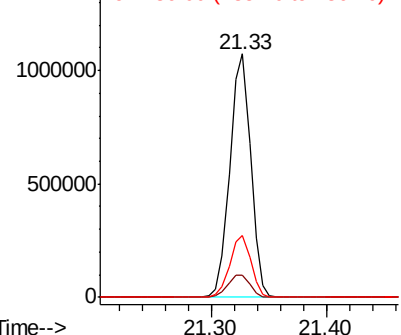
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Instrument :
BNA_M
ClientSampleId :
WC-02-011519

Tgt Ion:240 Resp: 1346596
Ion Ratio Lower Upper
240 100
120 9.4 8.4 12.6
236 25.5 20.7 31.1

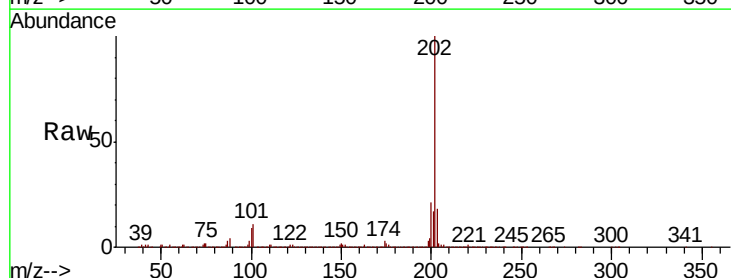


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

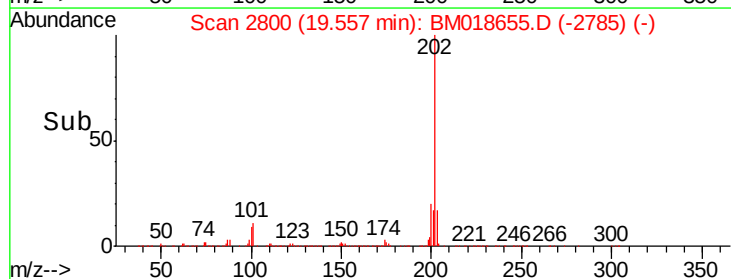
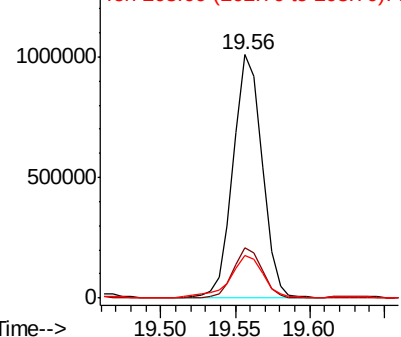


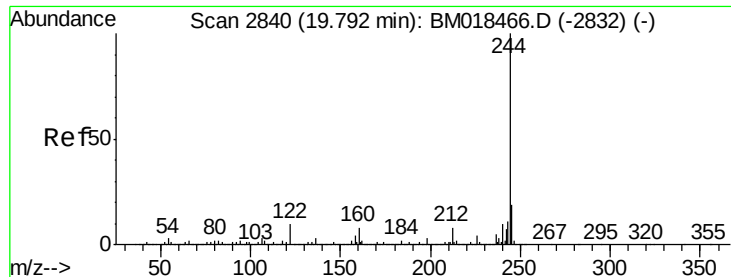
#78
Pyrene
Concen: 16.959 ng
RT: 19.56 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Tgt Ion:202 Resp: 1353676
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.8 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: 61.125 ng

RT: 19.76 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

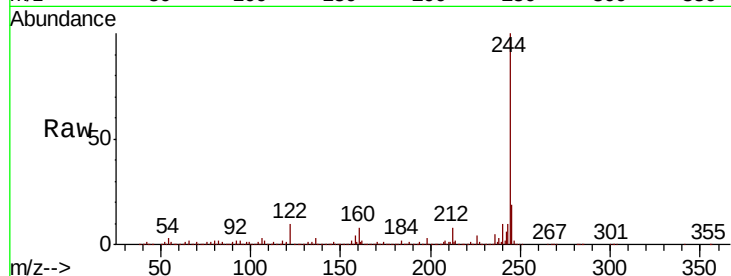
Tgt Ion:244 Resp: 3904616

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

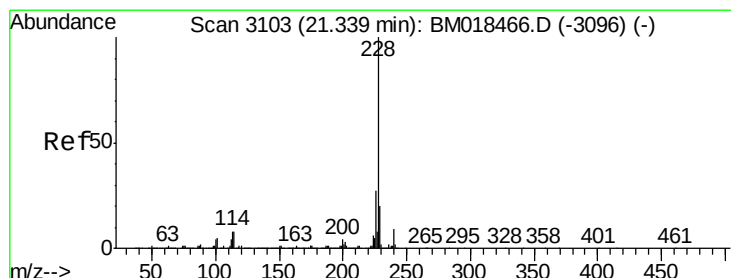
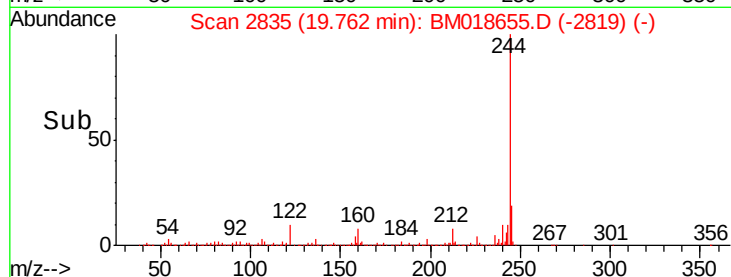
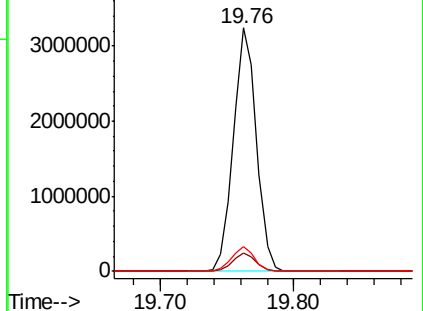
122 10.0 9.0 13.4



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: 7.823 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

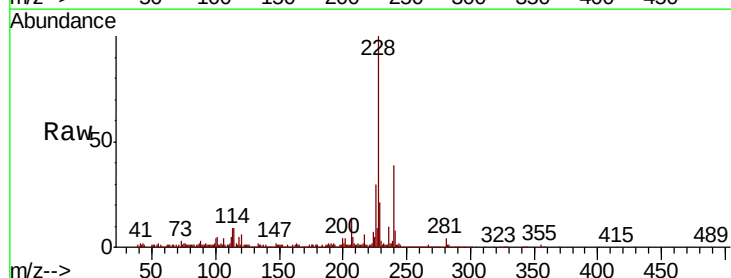
Tgt Ion:228 Resp: 620621

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.6

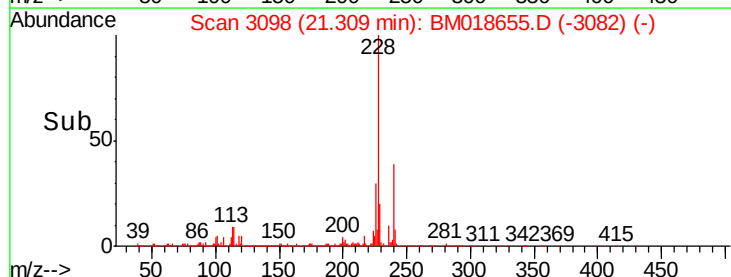
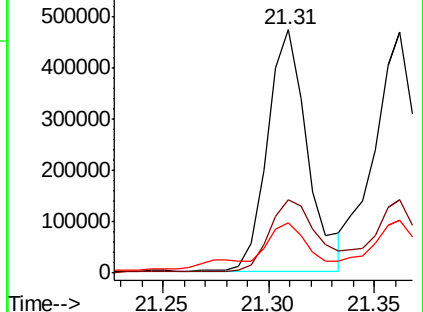
229 20.9 15.8 23.8

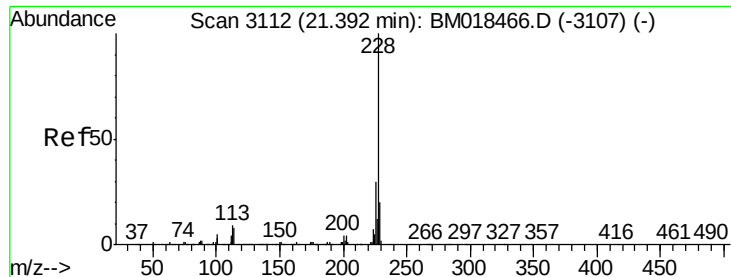


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.390 ng

RT: 21.36 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

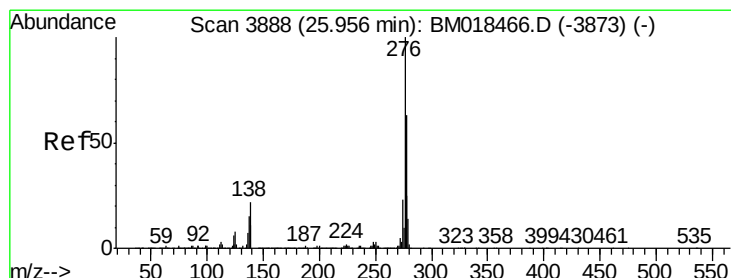
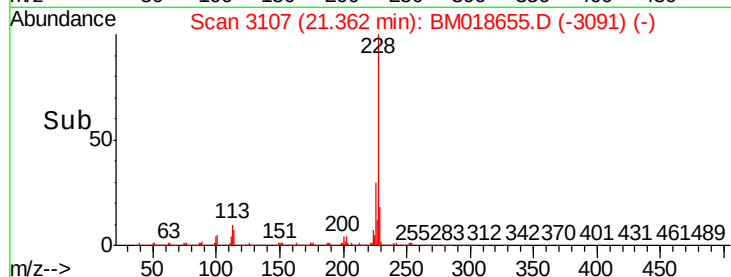
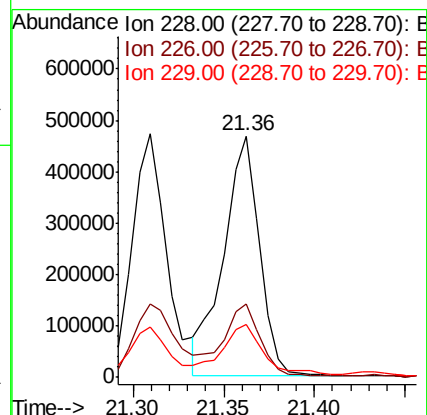
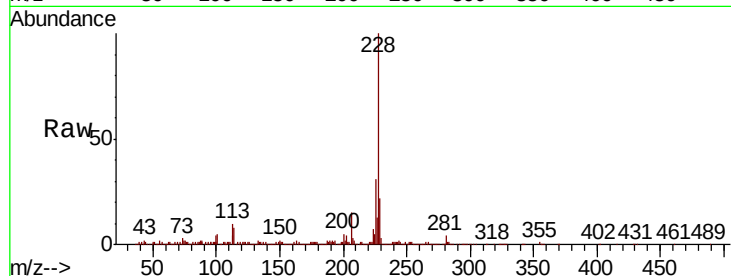
Tgt Ion:228 Resp: 642700

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 21.9 15.6 23.4



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.094 ng

RT: 25.89 min Scan# 3877

Delta R.T. -0.02 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

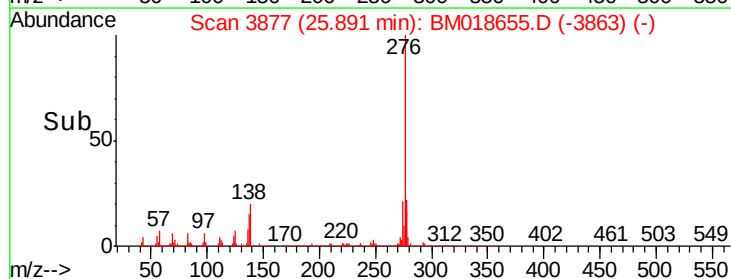
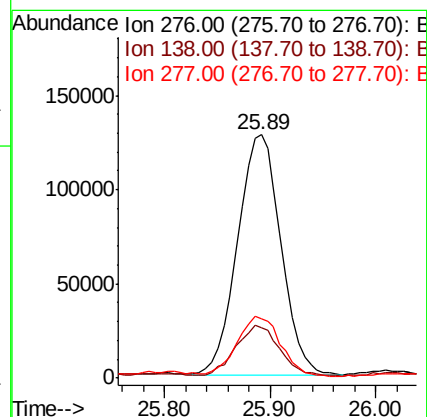
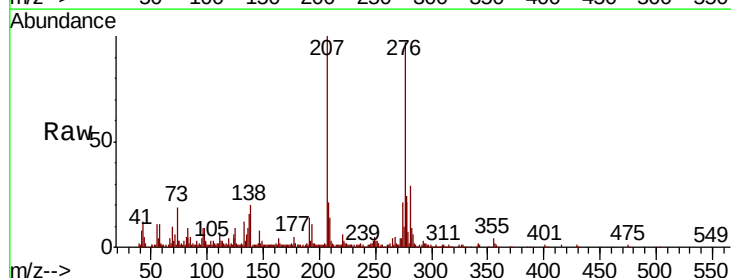
Tgt Ion:276 Resp: 361610

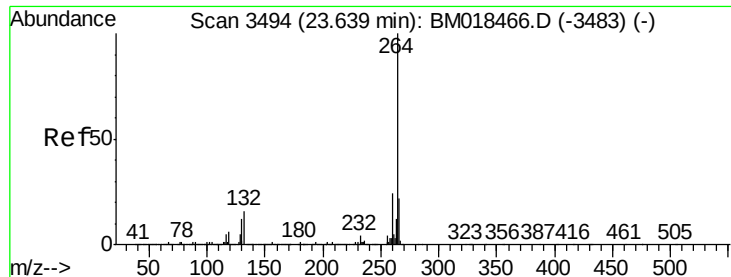
Ion Ratio Lower Upper

276 100

138 21.2 21.5 32.3#

277 25.5 20.2 30.2



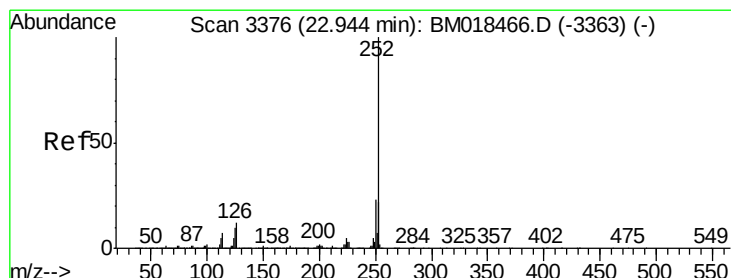
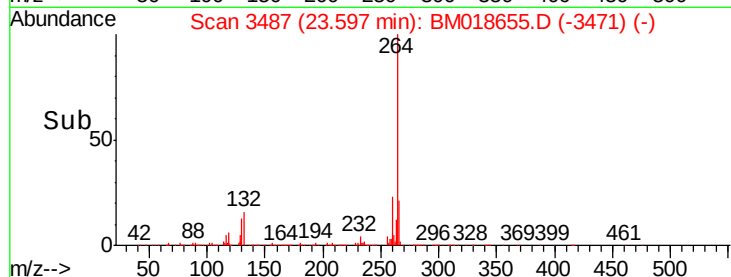
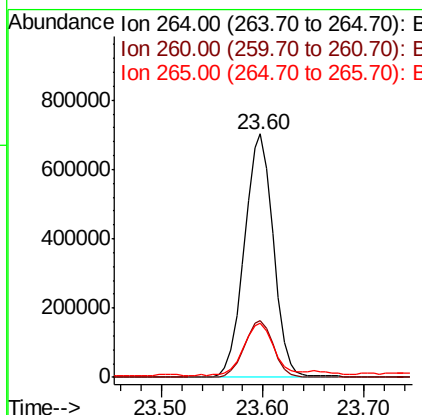
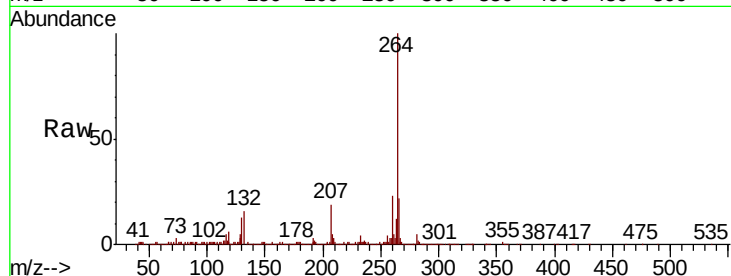


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.60 min Scan# 3487
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Instrument :
BNA_M
ClientSampleId :
WC-02-011519

Tgt Ion:264 Resp: 1380390

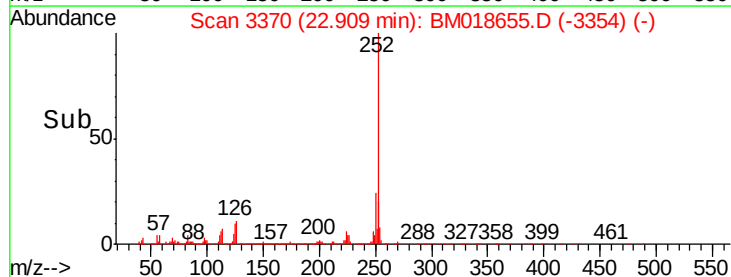
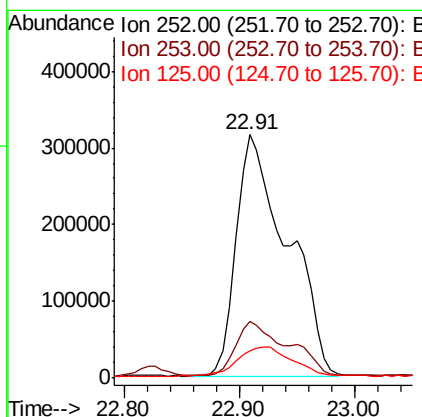
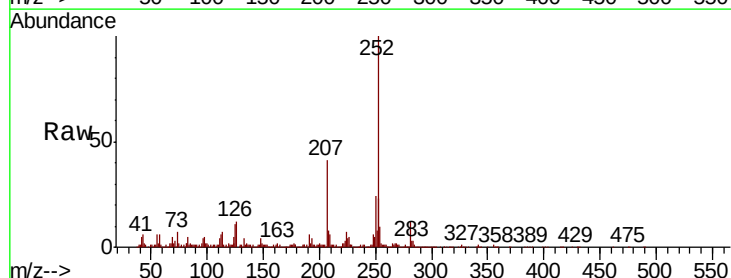
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.2	16.8	25.2

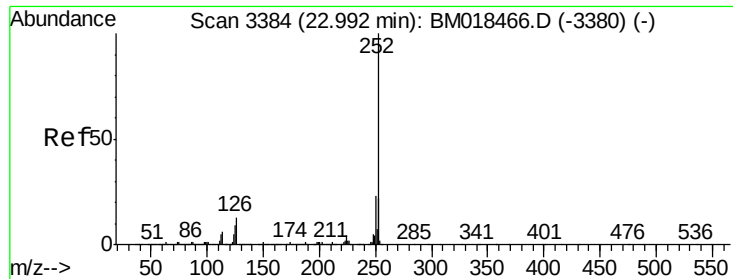


#88
Benzo(b)fluoranthene
Concen: 12.361 ng
RT: 22.91 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Tgt Ion:252 Resp: 968674

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.1	8.5	12.7

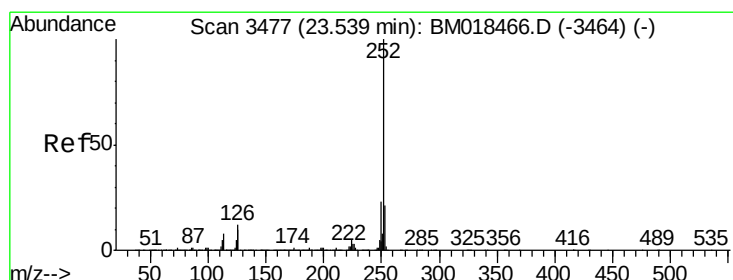
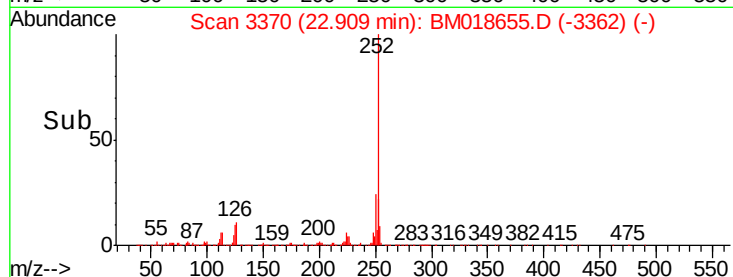
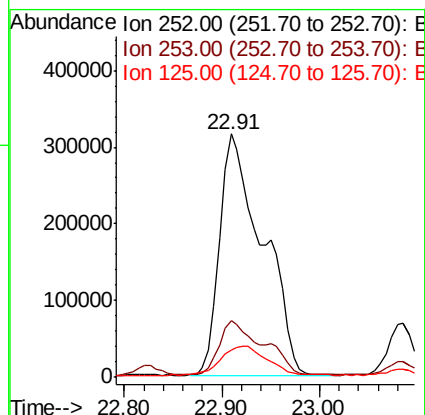
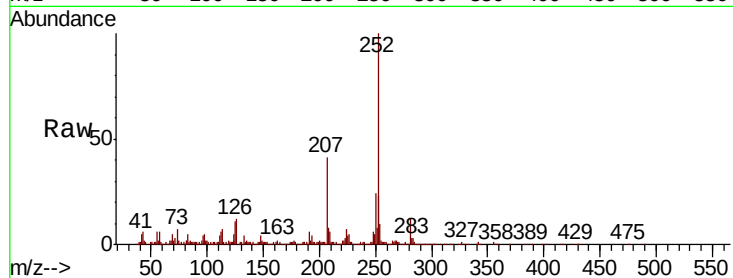




#89
Benzo(k)fluoranthene
Concen: 12.226 ng
RT: 22.91 min Scan# 3370
Delta R.T. -0.05 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

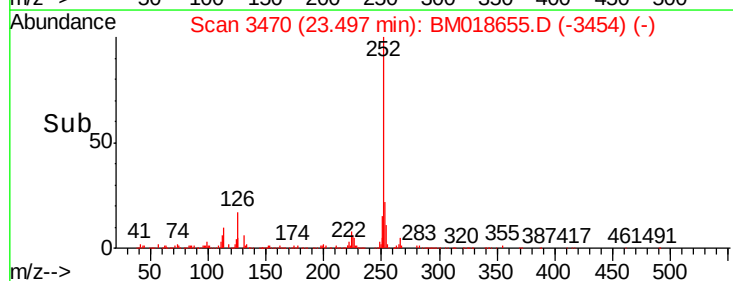
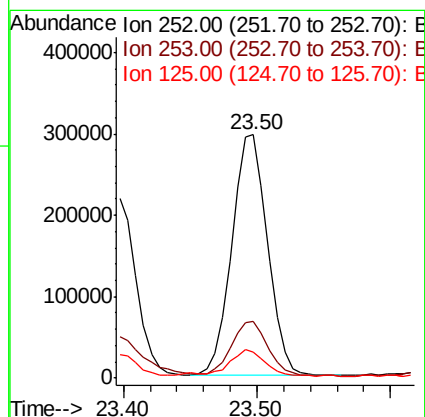
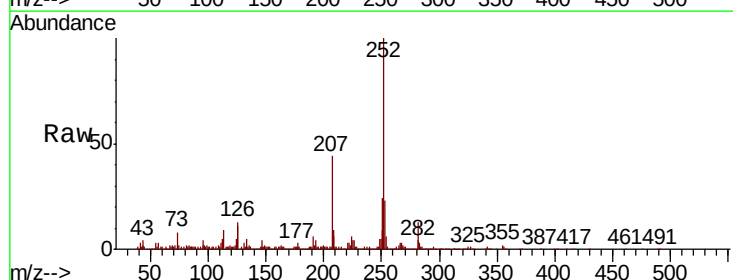
Instrument :
BNA_M
ClientSampleId :
WC-02-011519

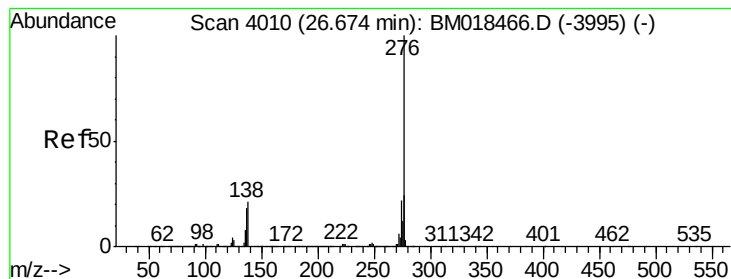
Tgt Ion: 252 Resp: 965604
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.1 8.6 12.8



#90
Benzo(a)pyrene
Concen: 7.315 ng
RT: 23.50 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BM018655.D
Acq: 25 Jan 2019 16:44

Tgt Ion: 252 Resp: 548847
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 10.6 9.7 14.5





#92

Benzo(g,h,i)perylene

Concen: 5.056 ng

RT: 26.60 min Scan# 3998

Delta R.T. -0.01 min

Lab File: BM018655.D

Acq: 25 Jan 2019 16:44

Instrument :

BNA_M

ClientSampleId :

WC-02-011519

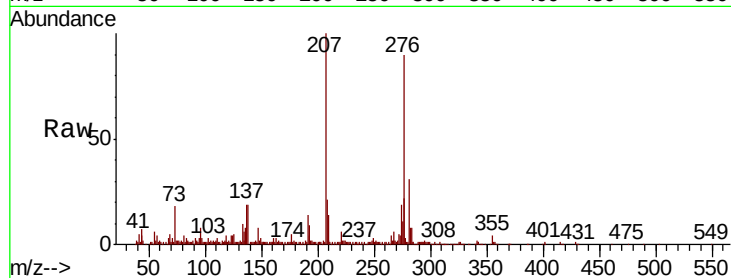
Tgt Ion: 276 Resp: 373994

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 21.2 18.1 27.1



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

