

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018370.D
 Acq On : 21 Dec 2018 23:05
 Operator : JU/SJ
 Sample : J6499-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11989

Quant Time: Dec 22 03:51:40 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

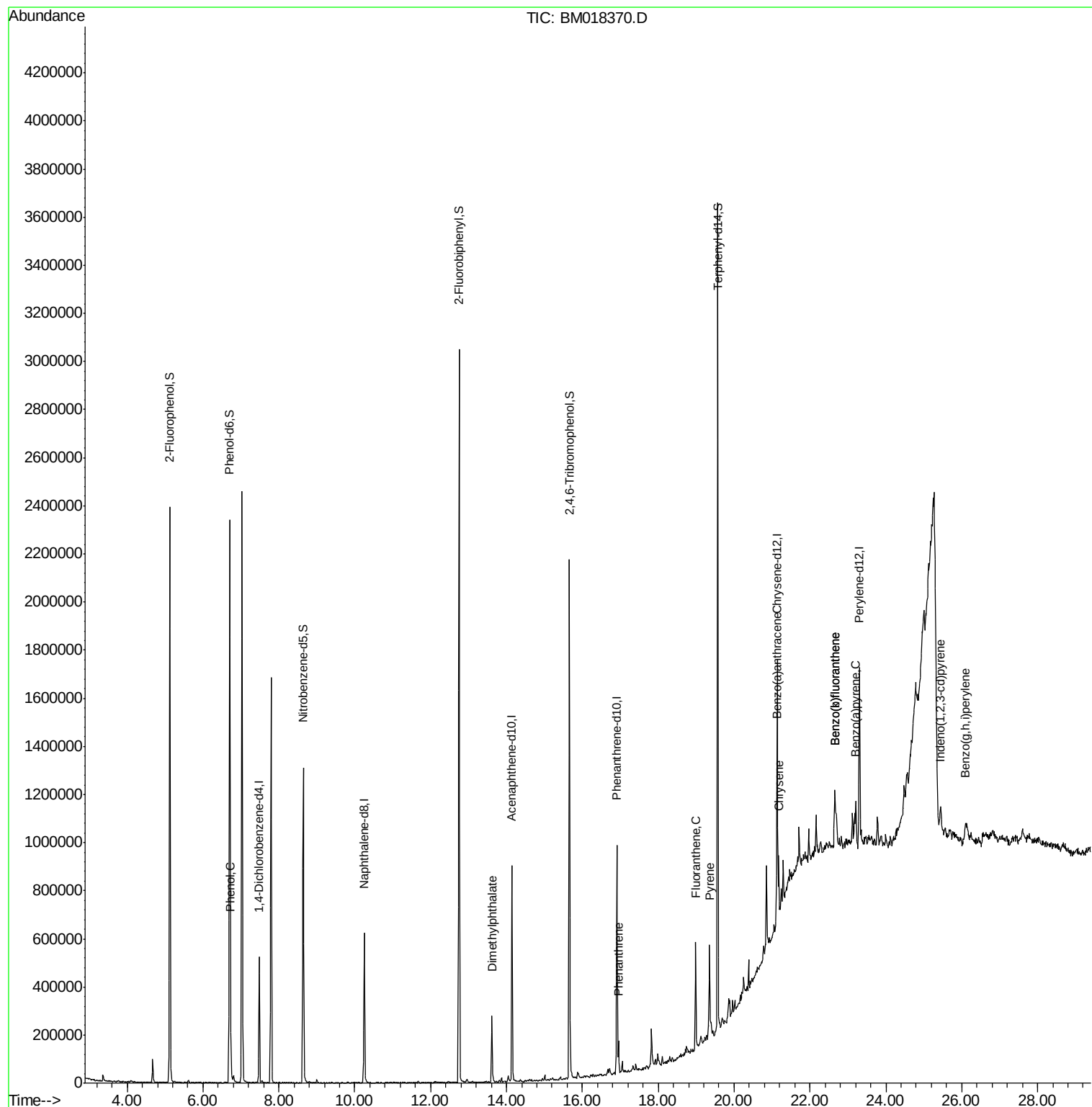
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	119403	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	483273	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	265227	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	515149	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	428136	20.00	ng	0.00
87) Perylene-d12	23.30	264	473923	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	879607	123.06	ng	0.00
7) Phenol-d6	6.70	99	1196045	120.39	ng	0.00
23) Nitrobenzene-d5	8.65	82	790739	83.93	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	354334	91.02	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1397072	68.23	ng	-0.02
79) Terphenyl-d14	19.57	244	1445604	76.36	ng	0.00
Target Compounds						
10) Phenol	6.73	94	91556	8.702	ng	Qvalue 84
50) Dimethylphthalate	13.62	163	169341	7.680	ng	99
71) Phenanthrene	16.96	178	71853	2.568	ng	99
75) Fluoranthene	18.99	202	252443	7.760	ng	99
78) Pyrene	19.36	202	224619	8.805	ng	98
81) Benzo(a)anthracene	21.12	228	143947	5.756	ng	98
83) Chrysene	21.17	228	132511	5.509	ng	98
86) Indeno(1,2,3-cd)pyrene	25.44	276	75006	3.130	ng	# 93
88) Benzo(b)fluoranthene	22.66	252	169223	6.357	ng	# 88
89) Benzo(k)fluoranthene	22.66	252	169330	6.387	ng	# 87
90) Benzo(a)pyrene	23.21	252	123245	4.868	ng	# 93
92) Benzo(g,h,i)perylene	26.10	276	70707	3.189	ng	# 93

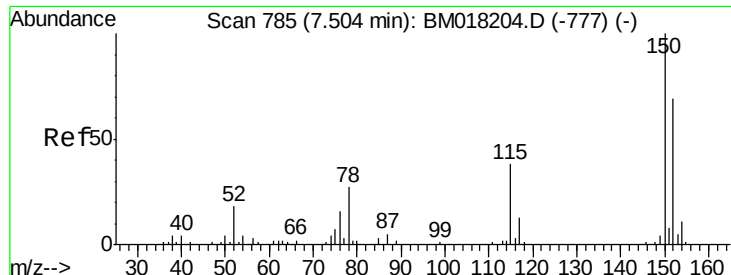
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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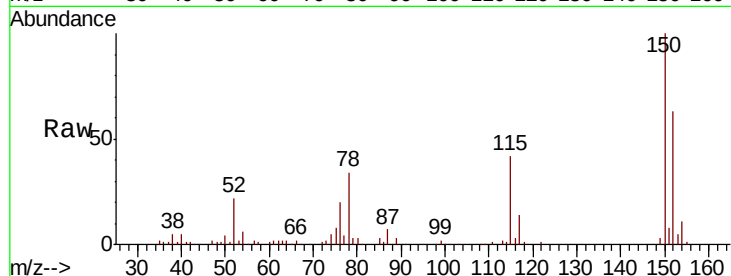




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BM018370.D
 Acq: 21 Dec 2018 23:05

Instrument :
 BNA_M
 ClientSampleId :
 72-11989

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.5	116.1	174.1
115	66.1	44.6	67.0

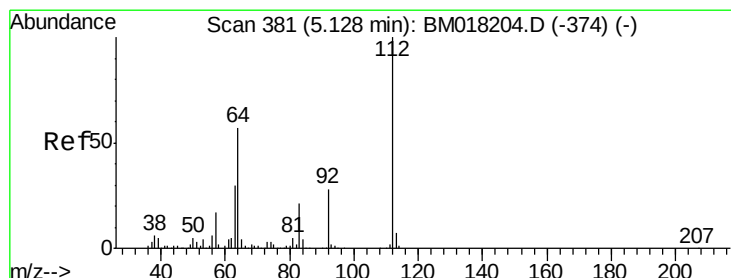
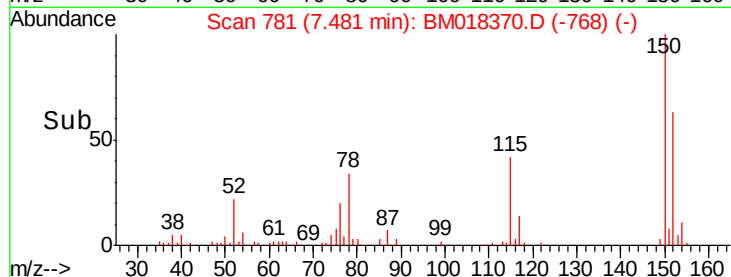
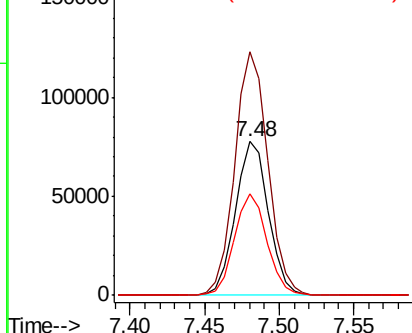


Abundance

Ion 152.00 (151.70 to 152.70): E

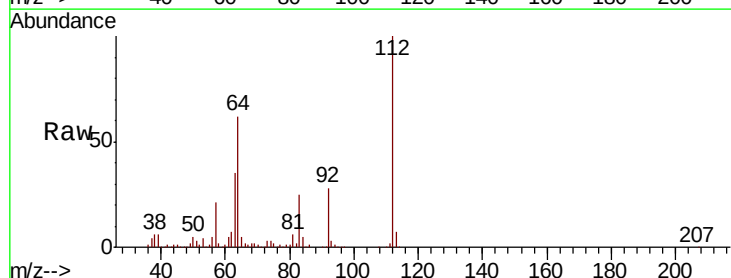
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 123.060 ng
 RT: 5.13 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BM018370.D
 Acq: 21 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	45.4	68.2
63	34.9	24.0	36.0

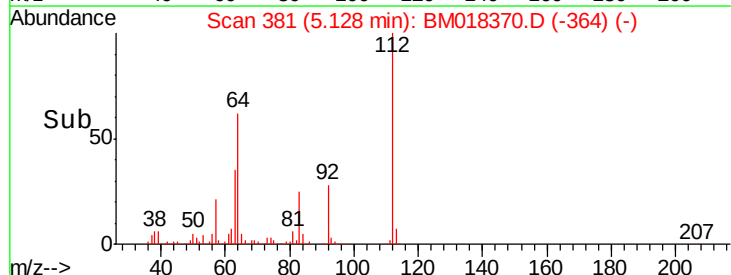
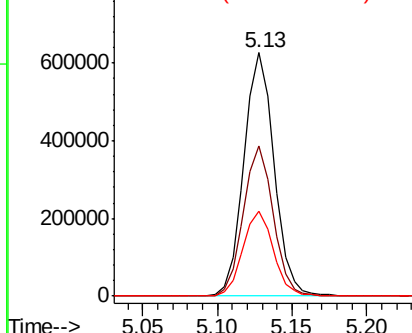


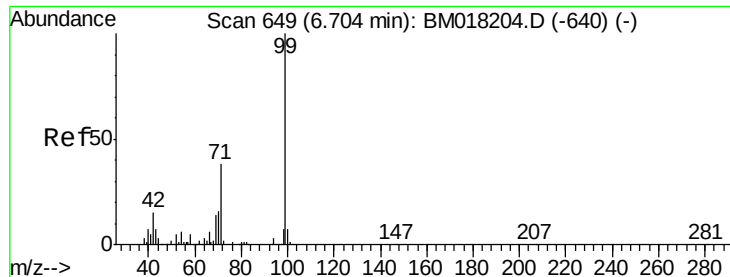
Abundance

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: 120.388 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Instrument :

BNA_M

ClientSampleId :

72-11989

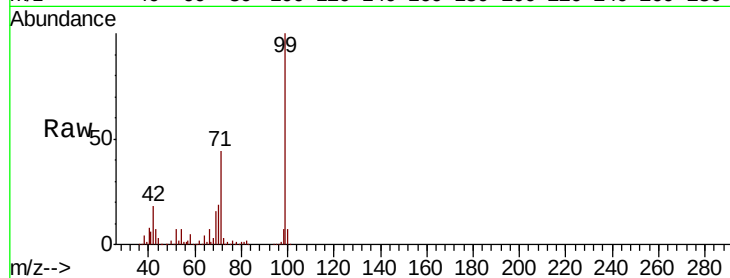
Tgt Ion: 99 Resp: 1196045

Ion Ratio Lower Upper

99 100

42 17.7 12.3 18.5

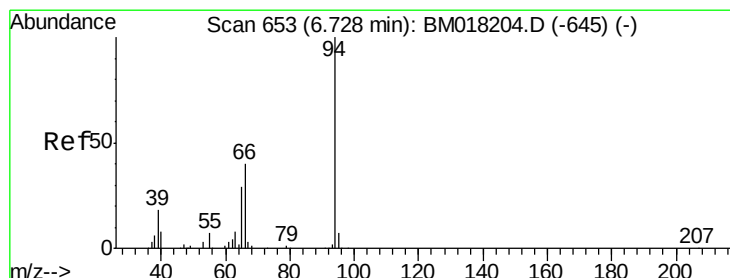
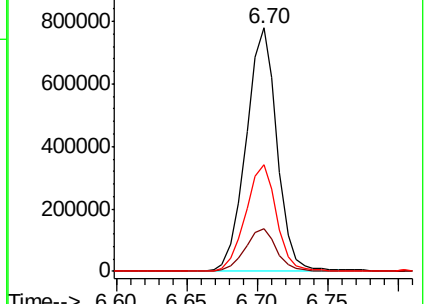
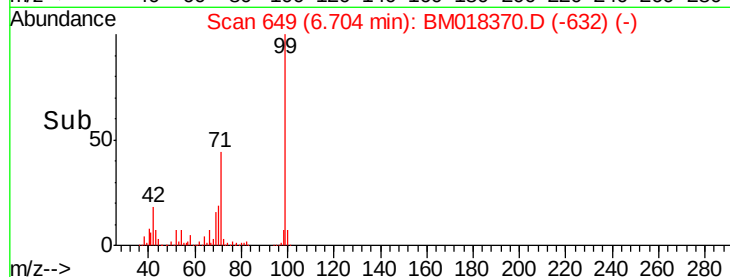
71 44.0 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018370.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018370.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018370.D (-632) (-)



#10

Phenol

Concen: 8.702 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

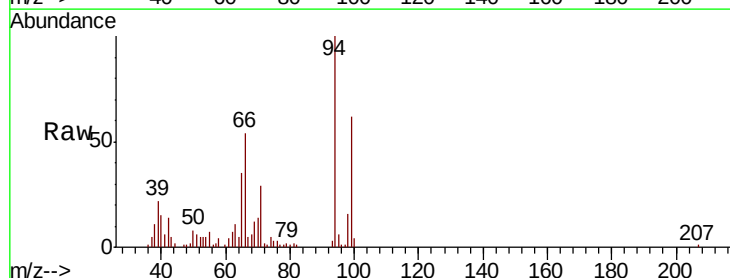
Tgt Ion: 94 Resp: 91556

Ion Ratio Lower Upper

94 100

65 35.1 9.5 49.5

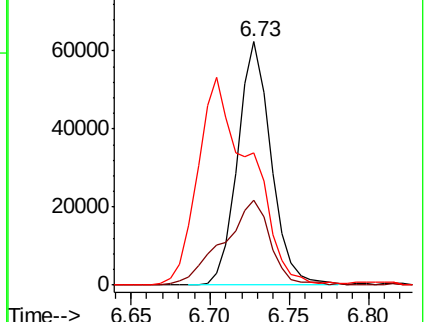
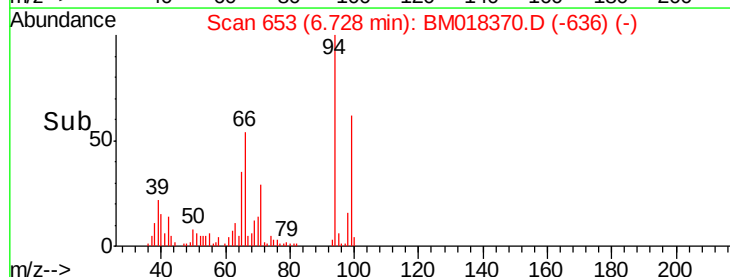
66 54.4 21.3 61.3

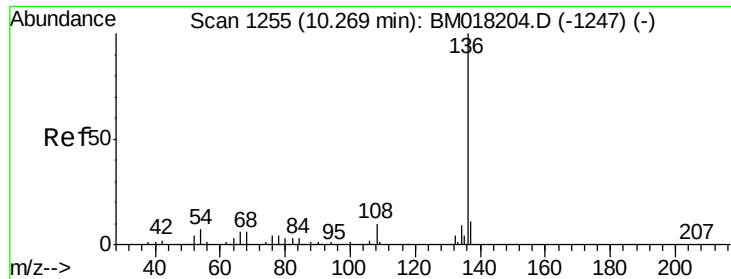


Abundance Ion 94.00 (93.70 to 94.70): BM018370.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018370.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018370.D (-636) (-)

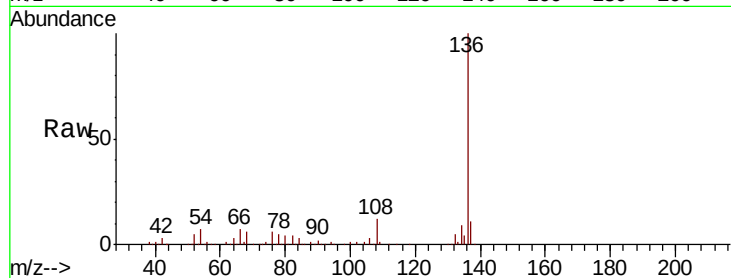




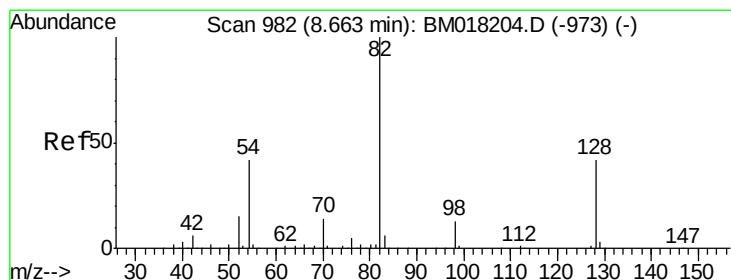
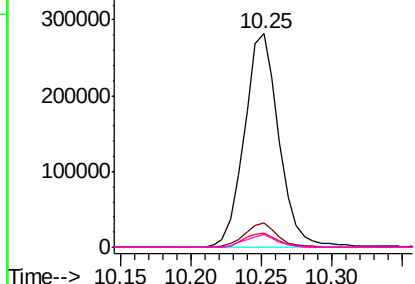
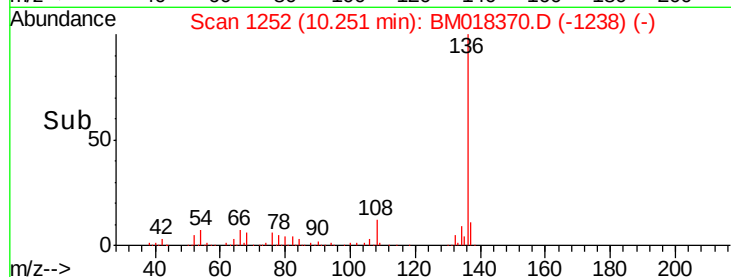
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

Instrument :
BNA_M
ClientSampleId :
72-11989

Tgt Ion:	136	Resp:	483273
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.7	5.2	7.8
68	5.8	5.0	7.6

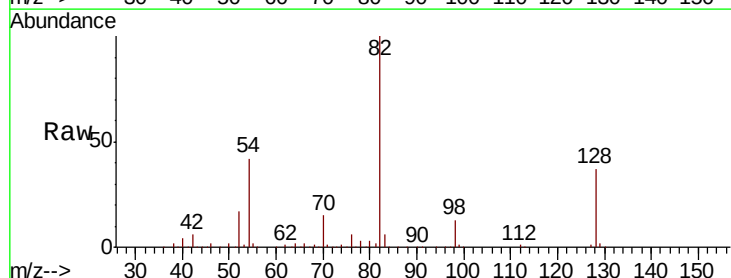


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

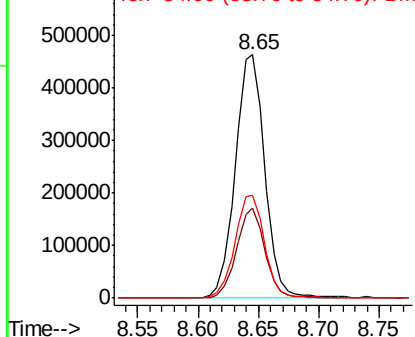
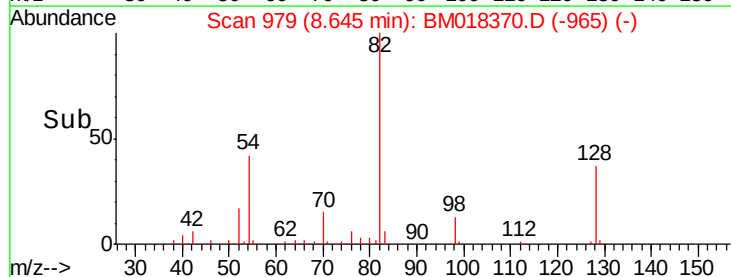


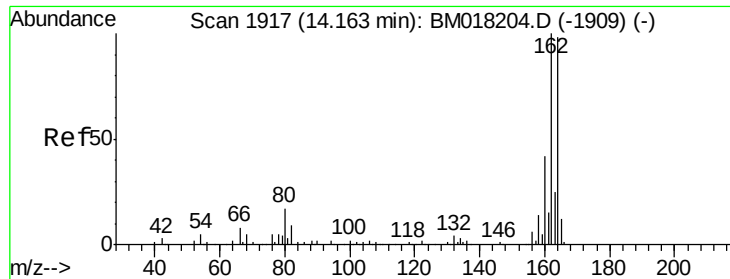
#23
Nitrobenzene-d5
Concen: 83.927 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

Tgt Ion:	82	Resp:	790739
Ion	Ratio	Lower	Upper
82	100		
128	37.2	33.4	50.2
54	42.4	33.4	50.2



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: 14.14 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Instrument :

BNA_M

ClientSampleId :

72-11989

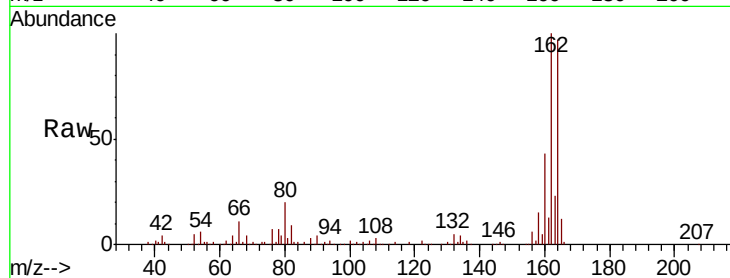
Tgt Ion:164 Resp: 265227

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.6

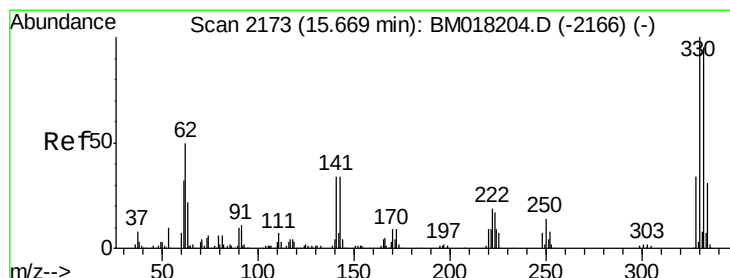
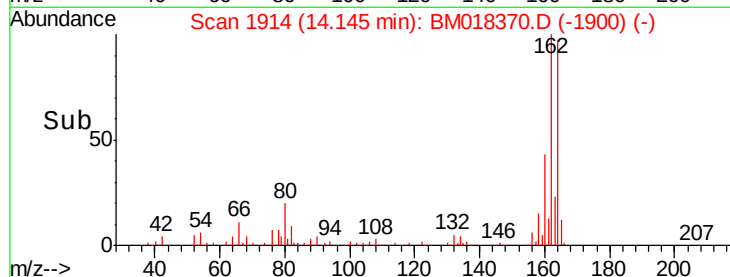
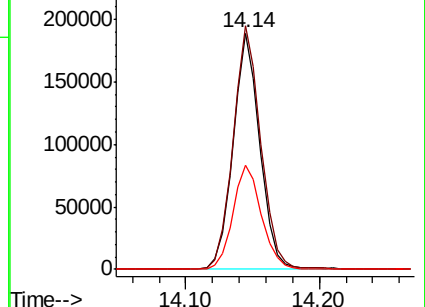
160 44.1 34.6 51.8



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: 91.023 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

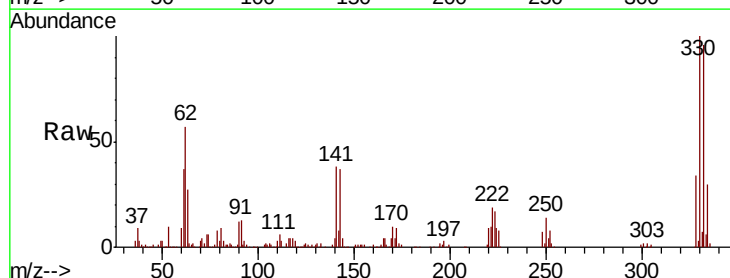
Tgt Ion:330 Resp: 354334

Ion Ratio Lower Upper

330 100

332 97.5 78.6 118.0

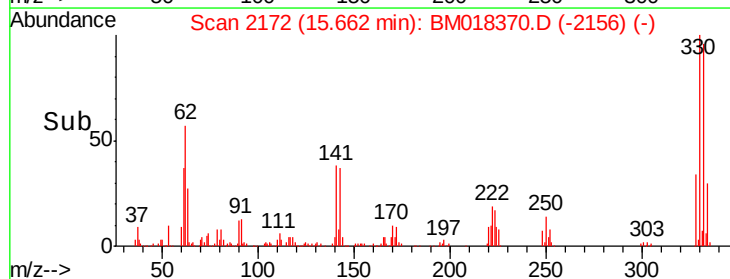
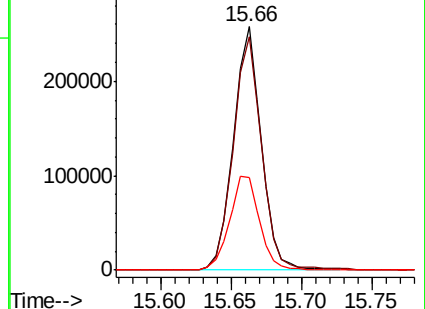
141 41.5 27.1 40.7#

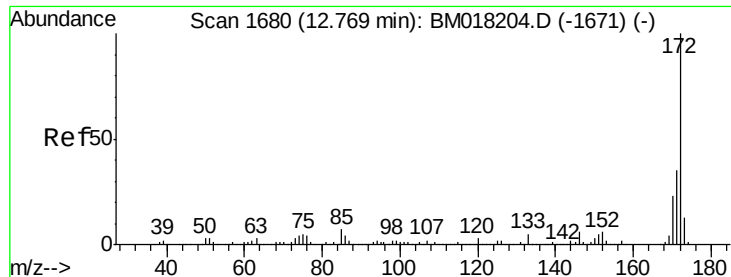


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

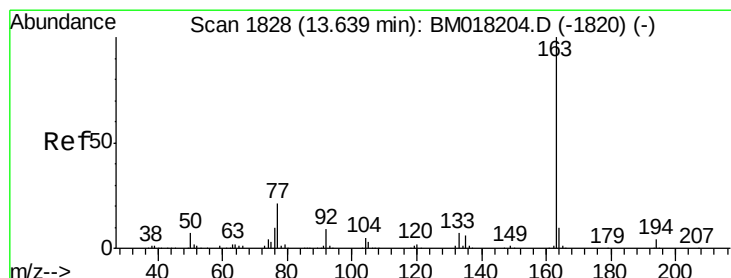
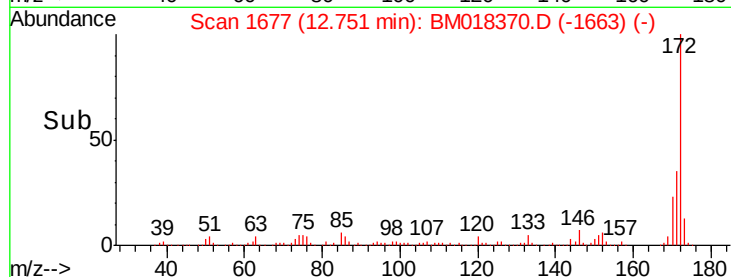
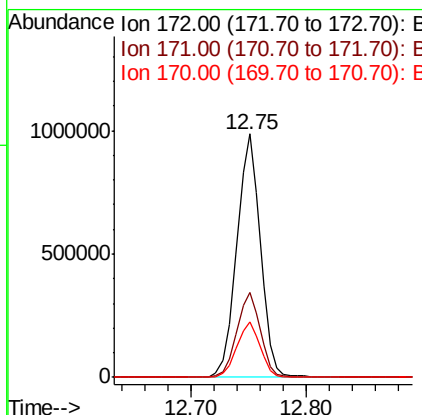
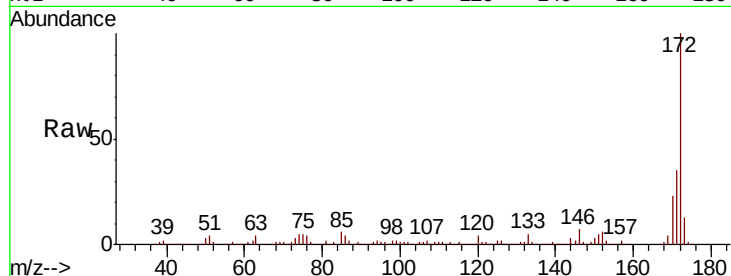




#45
2-Fluorobiphenyl
Concen: 68.226 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

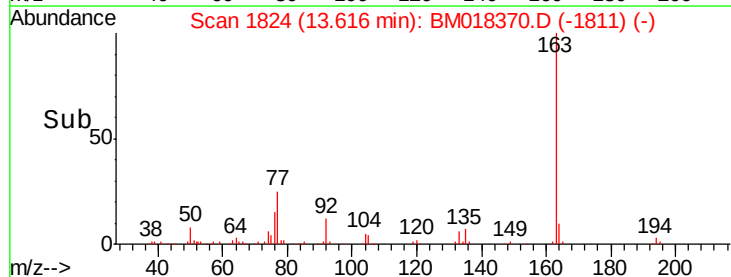
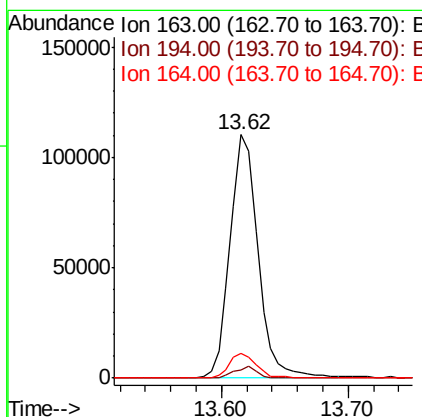
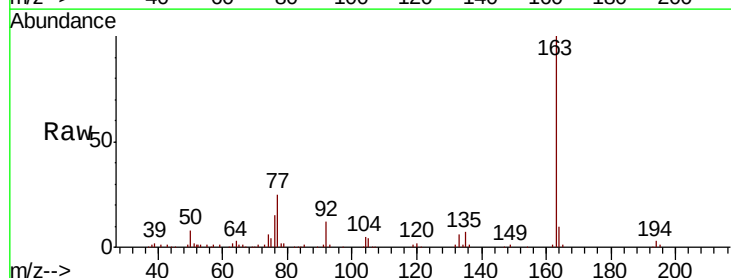
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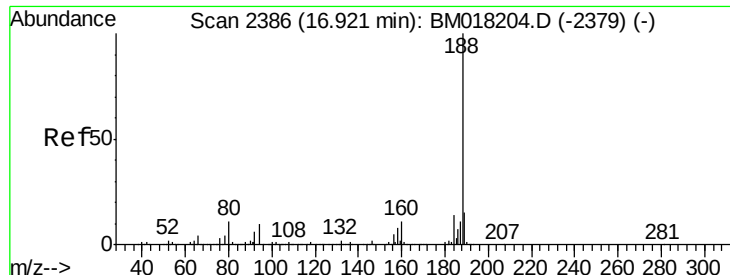
Tgt Ion:172 Resp: 1397072
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 22.6 18.1 27.1



#50
Dimethylphthalate
Concen: 7.680 ng
RT: 13.62 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

Tgt Ion:163 Resp: 169341
Ion Ratio Lower Upper
163 100
194 3.4 3.1 4.7
164 10.0 7.9 11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Instrument :

BNA_M

ClientSampleId :

72-11989

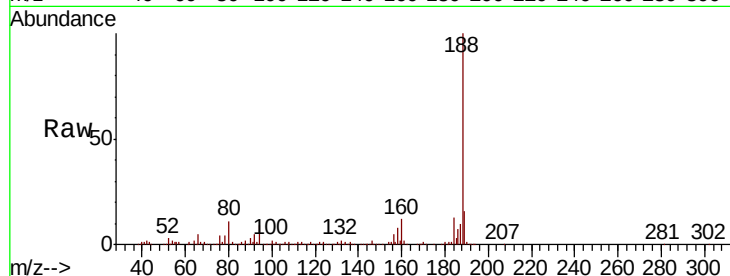
Tgt Ion:188 Resp: 515149

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

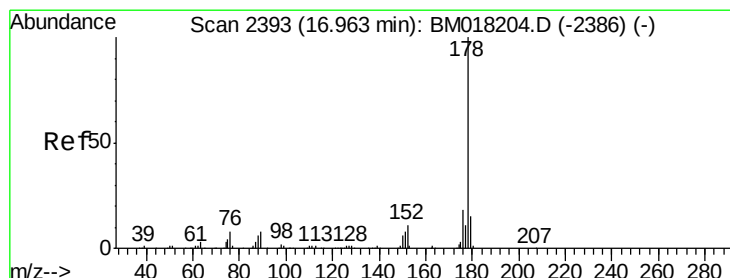
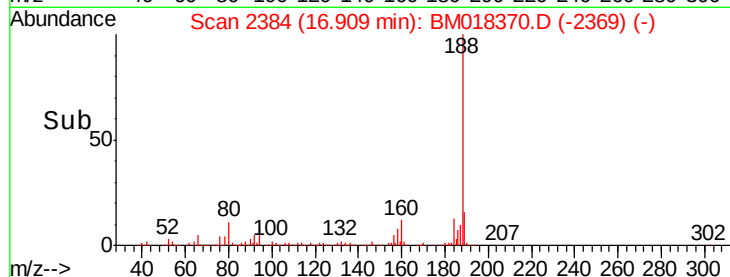
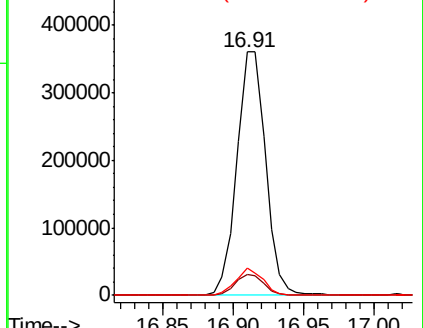
80 11.0 9.0 13.6



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: 2.568 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

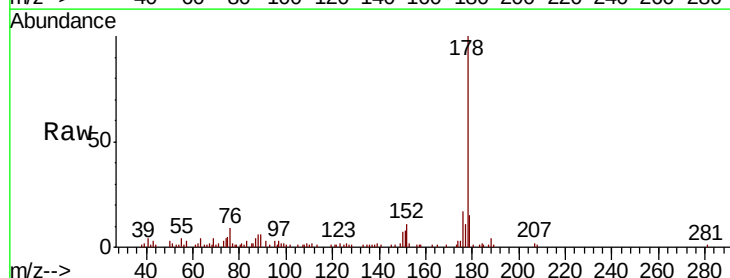
Tgt Ion:178 Resp: 71853

Ion Ratio Lower Upper

178 100

176 17.5 14.7 22.1

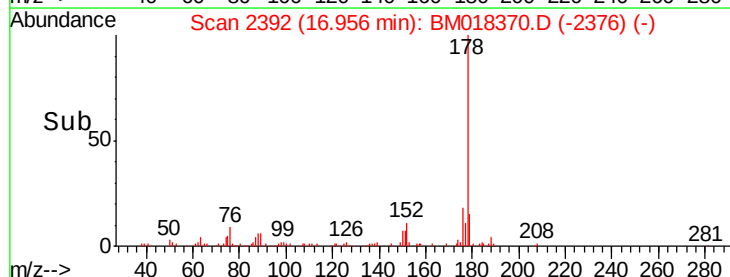
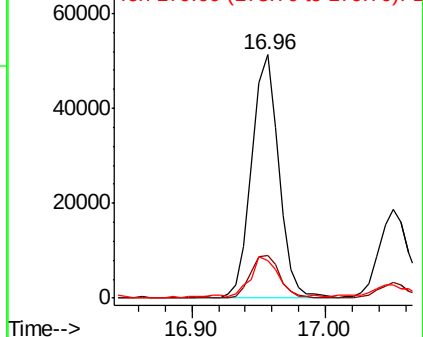
179 15.3 12.0 18.0

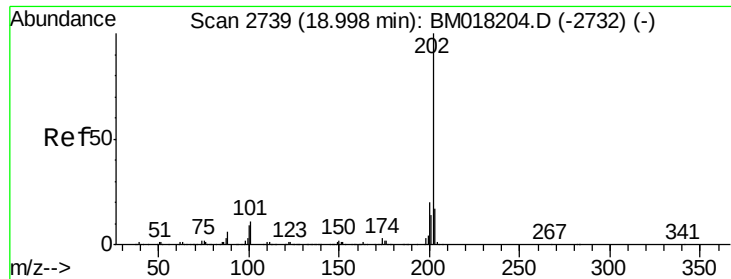


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.760 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

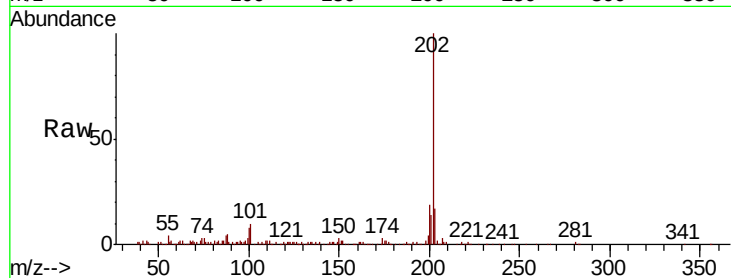
Instrument :

BNA_M

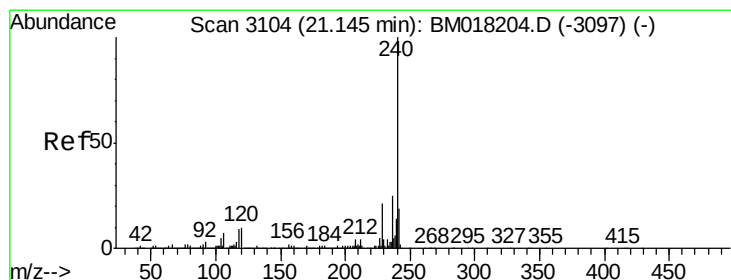
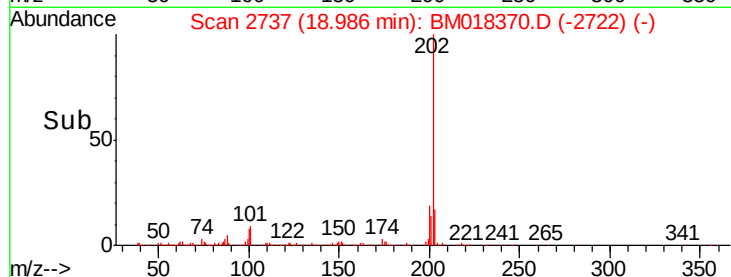
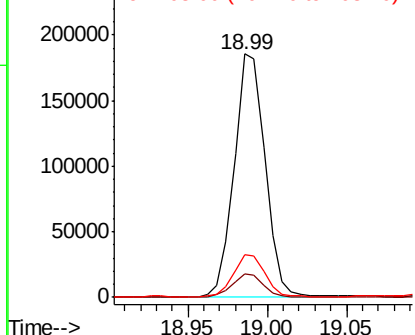
ClientSampleId :

72-11989

Tgt Ion:	202	Resp:	252443
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	17.4	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

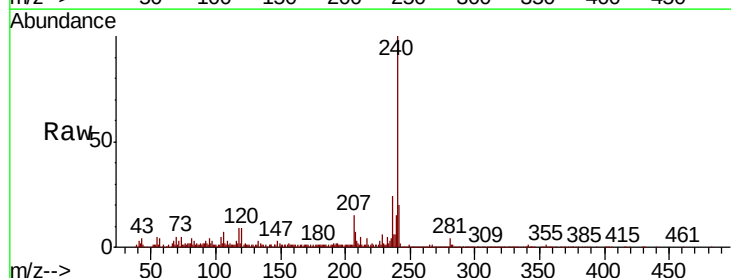
RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

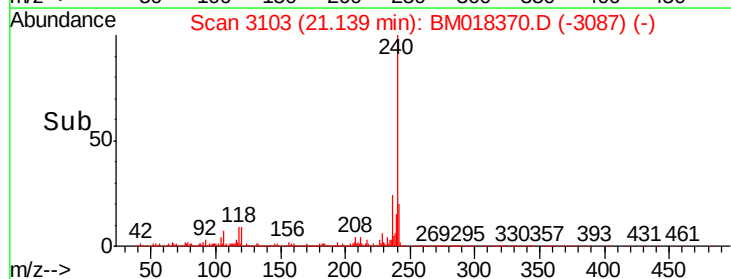
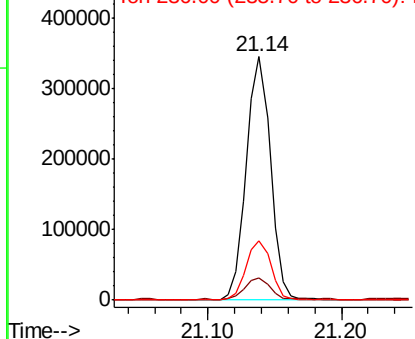
Lab File: BM018370.D

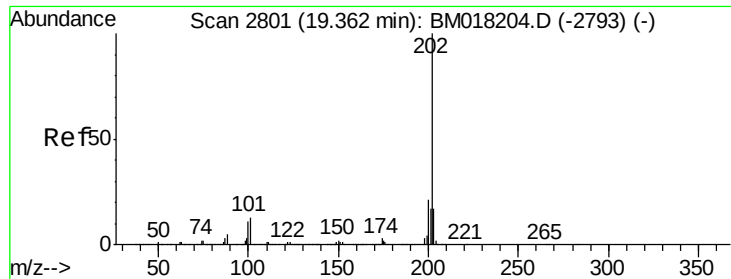
Acq: 21 Dec 2018 23:05

Tgt Ion:	240	Resp:	428136
Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	24.3	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

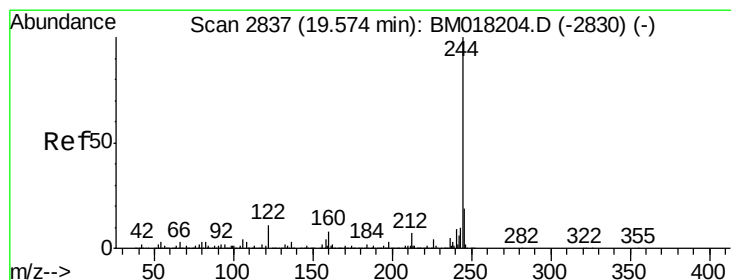
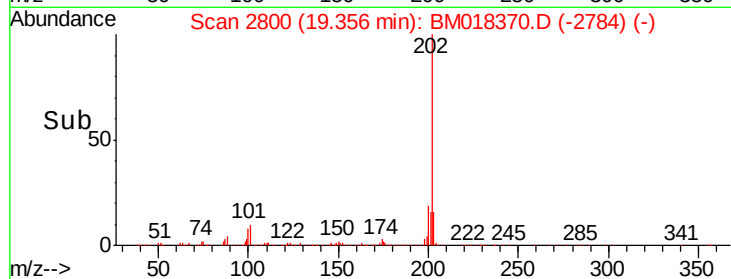
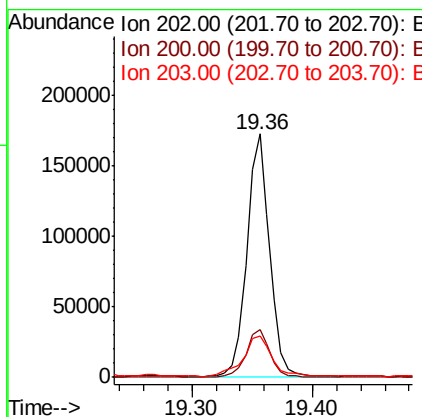
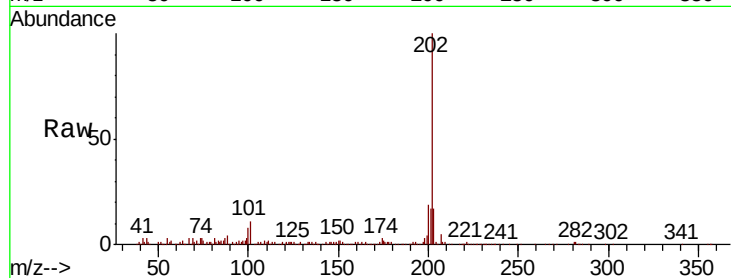




#78
Pyrene
Concen: 8.805 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

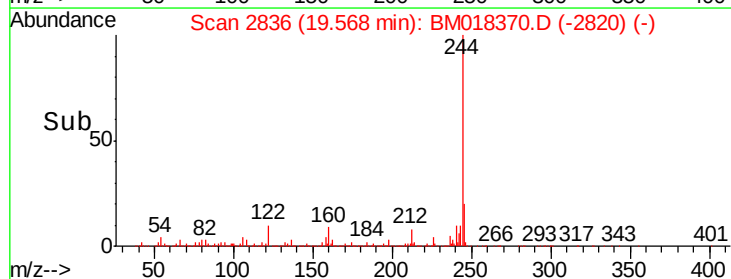
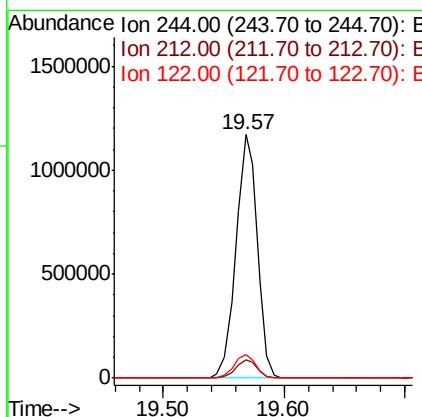
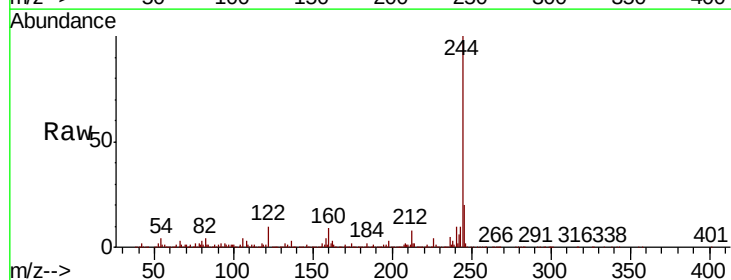
Instrument :
BNA_M
ClientSampleId :
72-11989

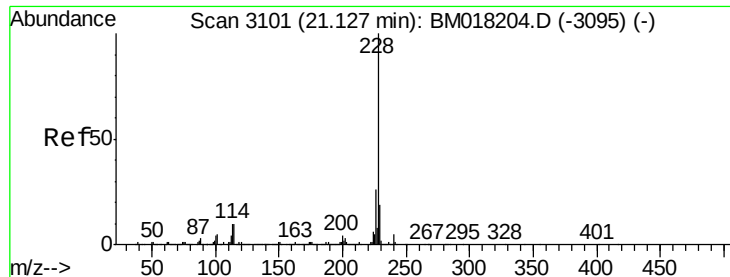
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.5	24.7
203	17.2	14.0	21.0



#79
Terphenyl-d14
Concen: 76.365 ng
RT: 19.57 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	9.6	9.0	13.6





#81

Benzo(a)anthracene

Concen: 5.756 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Instrument :

BNA_M

ClientSampleId :

72-11989

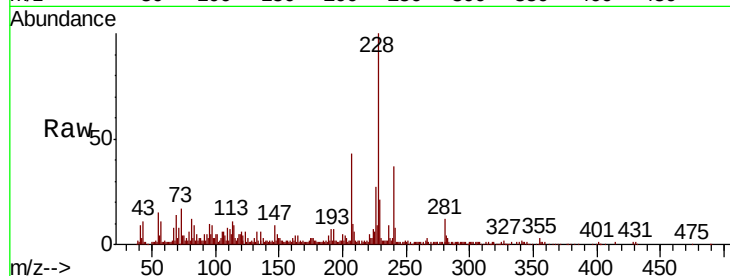
Tgt Ion:228 Resp: 143947

Ion Ratio Lower Upper

228 100

226 26.8 21.0 31.4

229 21.3 15.5 23.3

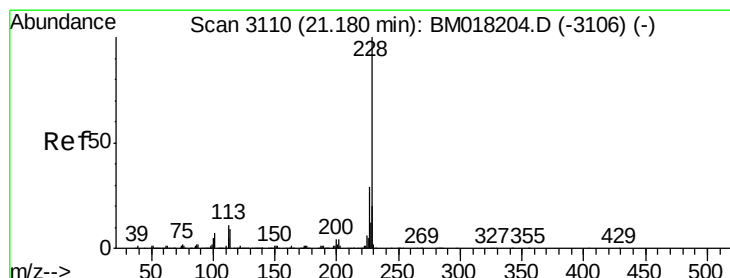
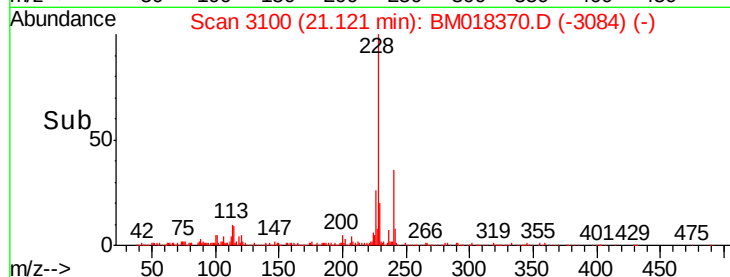
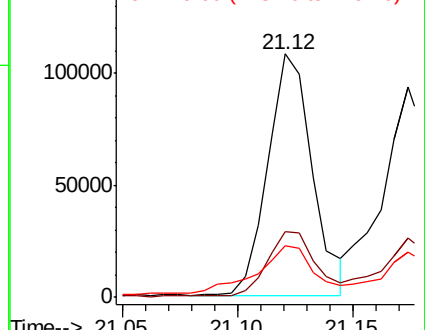


Abundance

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: 5.509 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

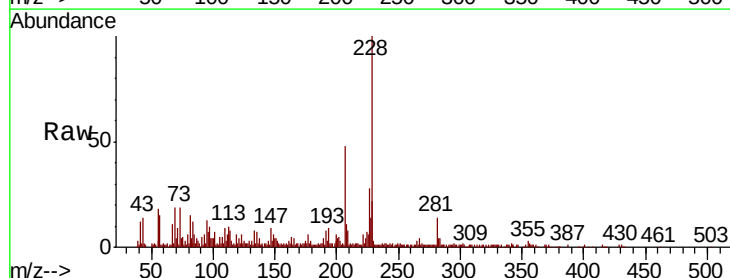
Tgt Ion:228 Resp: 132511

Ion Ratio Lower Upper

228 100

226 28.4 23.1 34.7

229 21.6 15.8 23.6

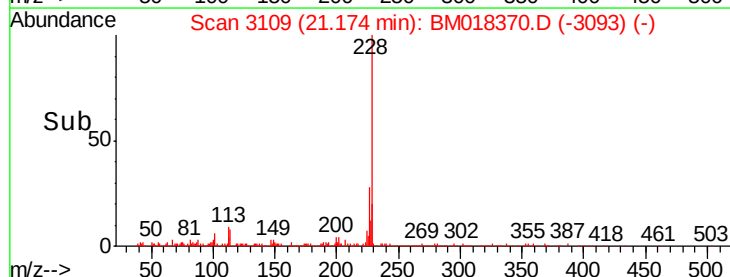
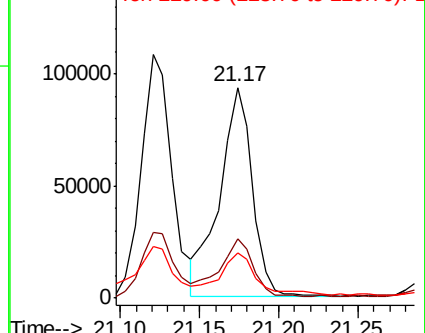


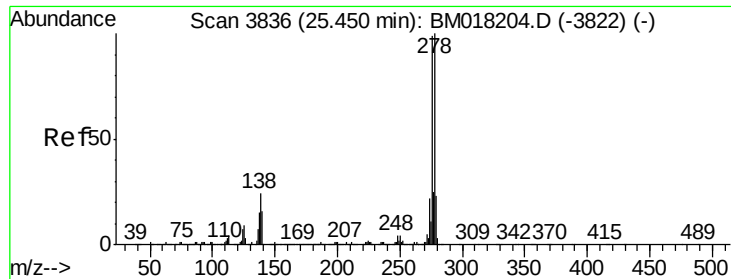
Abundance

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: 3.130 ng

RT: 25.44 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Instrument :

BNA_M

ClientSampleId :

72-11989

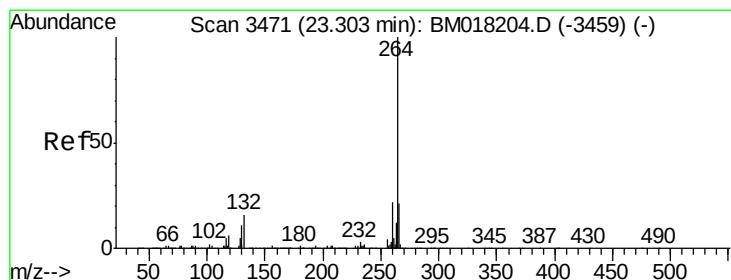
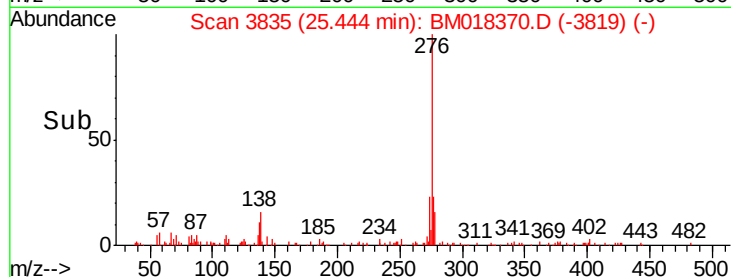
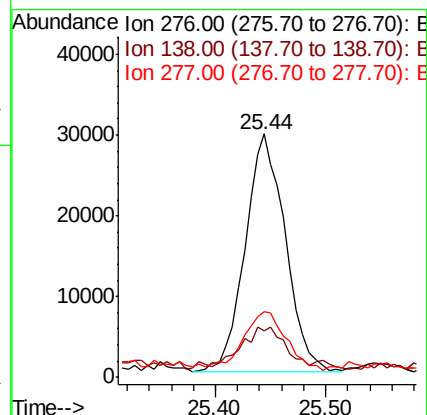
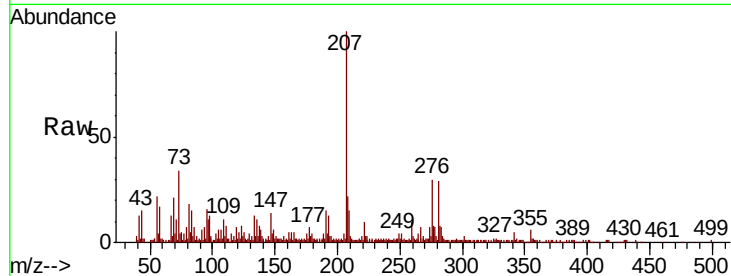
Tgt Ion:276 Resp: 75006

Ion Ratio Lower Upper

276 100

138 18.0 18.6 28.0#

277 26.9 20.3 30.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3471

Delta R.T. -0.00 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

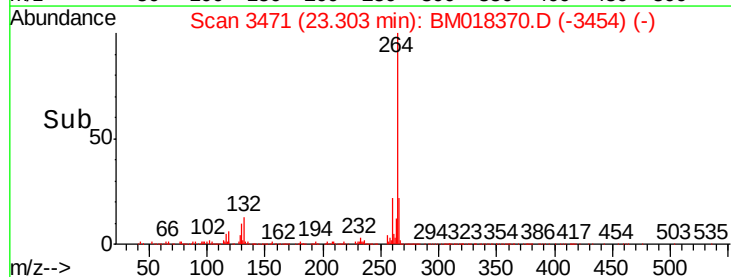
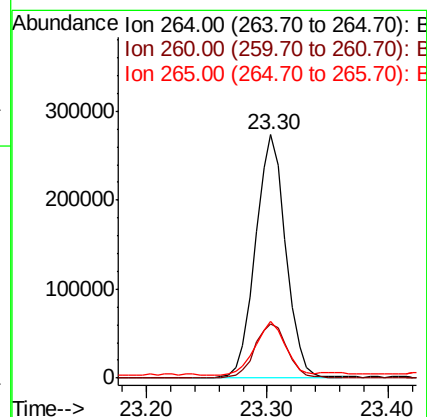
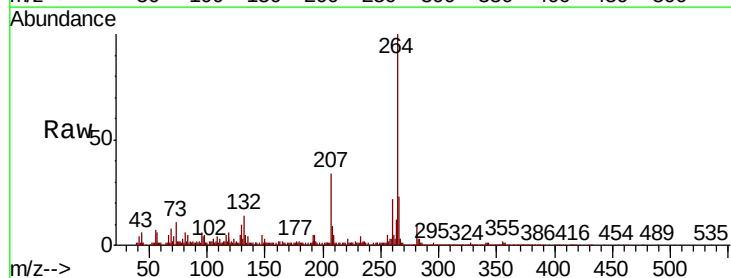
Tgt Ion:264 Resp: 473923

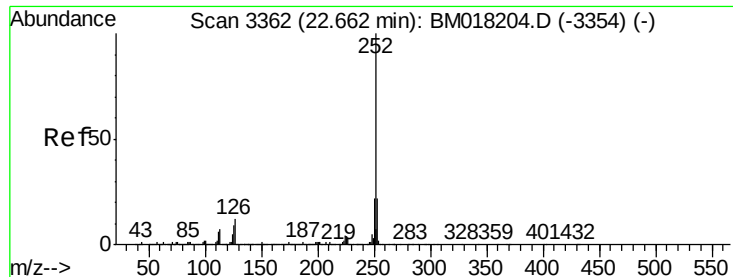
Ion Ratio Lower Upper

264 100

260 22.4 17.5 26.3

265 23.2 17.3 25.9

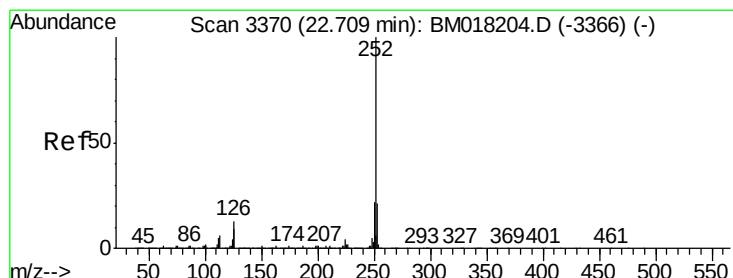
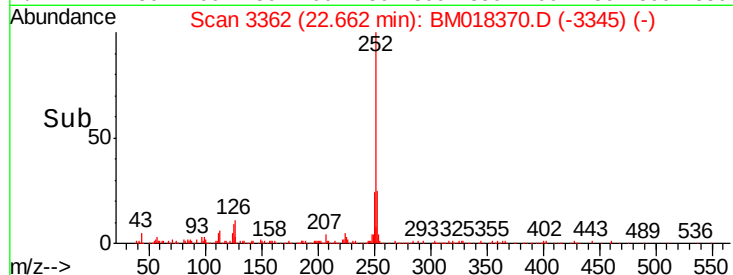
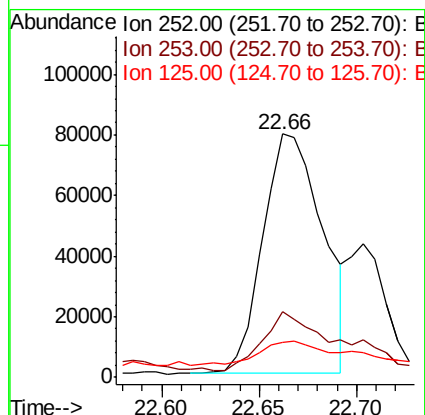
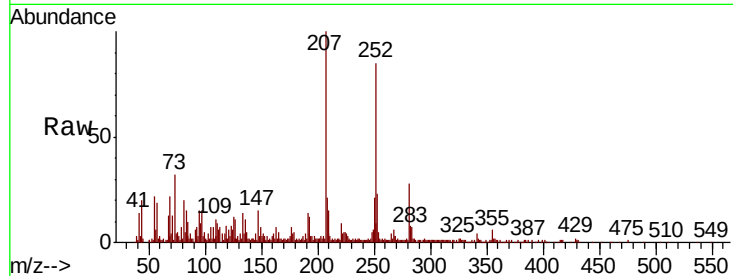




#88
Benzo(b)fluoranthene
Concen: 6.357 ng
RT: 22.66 min Scan# 3362
Delta R.T. -0.00 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

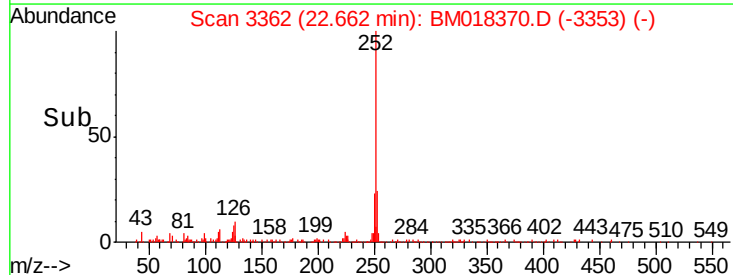
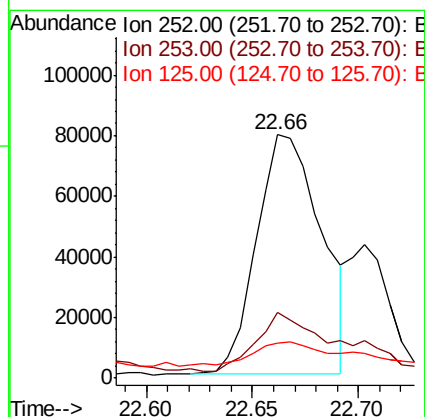
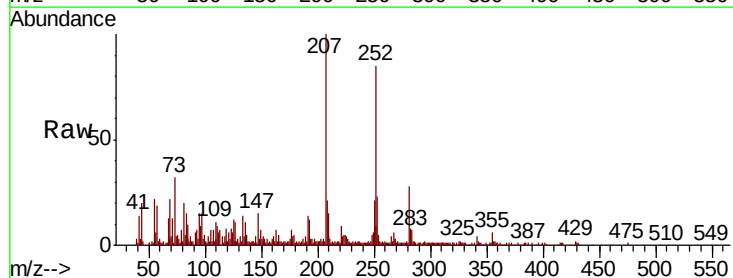
Instrument :
BNA_M
ClientSampled :
72-11989

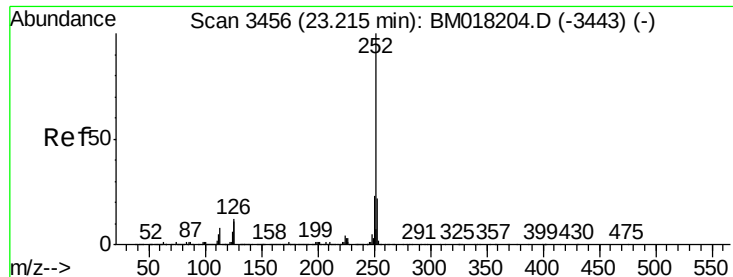
Tgt Ion:252 Resp: 169223
Ion Ratio Lower Upper
252 100
253 26.9 17.6 26.4#
125 14.5 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 6.387 ng
RT: 22.66 min Scan# 3362
Delta R.T. -0.05 min
Lab File: BM018370.D
Acq: 21 Dec 2018 23:05

Tgt Ion:252 Resp: 169330
Ion Ratio Lower Upper
252 100
253 26.9 16.9 25.3#
125 14.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.868 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

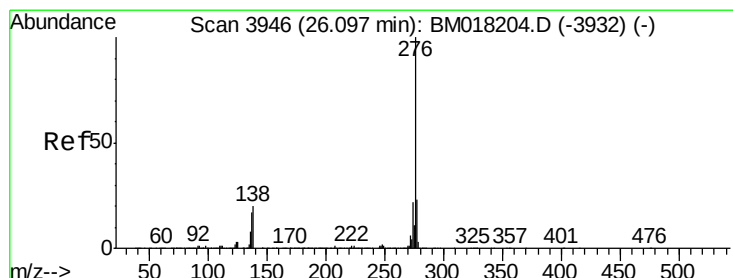
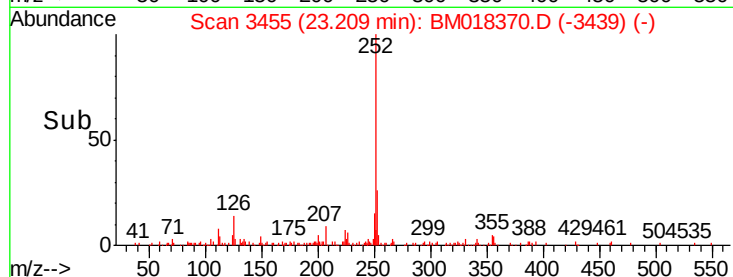
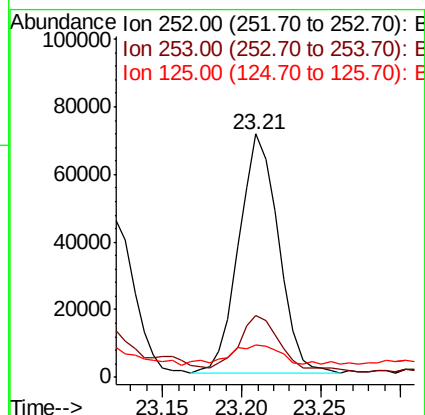
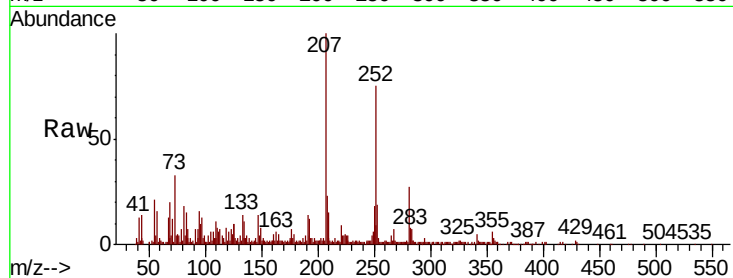
Instrument :

BNA_M

ClientSampleId :

72-11989

Tgt Ion:	252	Resp:	123245
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.6	26.4
125	13.3	8.6	12.8#



#92

Benzo(g,h,i)perylene

Concen: 3.189 ng

RT: 26.10 min Scan# 3946

Delta R.T. -0.00 min

Lab File: BM018370.D

Acq: 21 Dec 2018 23:05

Tgt Ion:	276	Resp:	70707
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.7	28.1
138	24.5	15.8	23.8#

