

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122018\
 Data File : BM018340.D
 Acq On : 20 Dec 2018 21:10
 Operator : JU/SJ
 Sample : J6386-10RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS006-0612-01

Quant Time: Dec 21 01:26:50 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	7.49	152	156662	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	557254	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	273236	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	552142	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	638387	20.00	ng	0.00
87) Perylene-d12	23.30	264	692468	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	1072592	114.37	ng	0.00
7) Phenol-d6	6.70	99	1365871	104.78	ng	0.00
23) Nitrobenzene-d5	8.65	82	889285	81.86	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	397434	99.10	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	1556369	73.78	ng	-0.02
79) Terphenyl-d14	19.57	244	1854399	65.70	ng	0.00

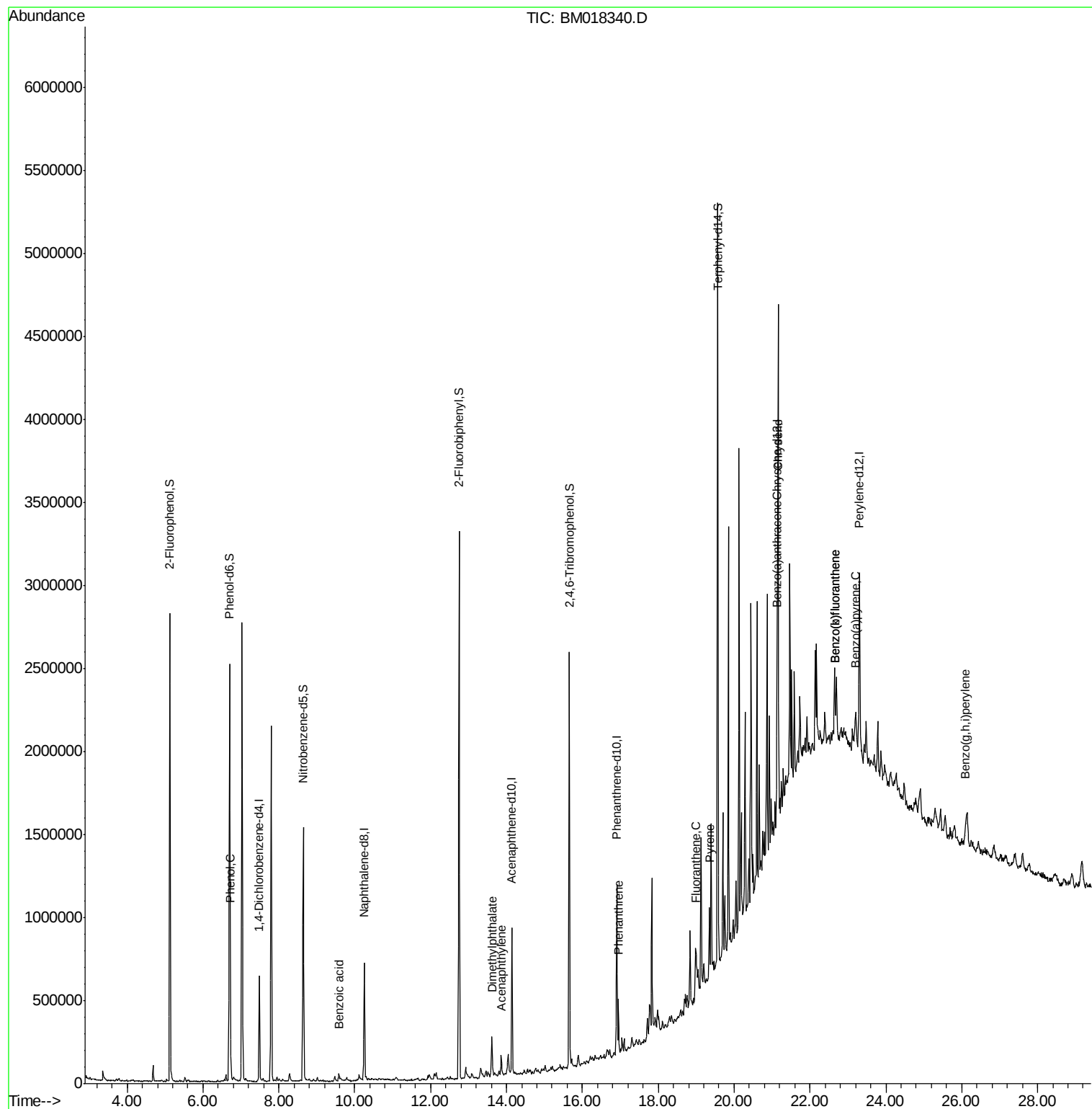
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.72	94	94004	6.810	ng	91
32) Benzoic acid	9.59	122	15621	2.150	ng	# 63
49) Acenaphthylene	13.86	152	78345	2.873	ng	# 93
50) Dimethylphthalate	13.62	163	128889	5.674	ng	99
71) Phenanthrene	16.95	178	168782	5.628	ng	97
75) Fluoranthene	18.99	202	128636	3.689	ng	95
78) Pyrene	19.35	202	230316	6.055	ng	100
81) Benzo(a)anthracene	21.12	228	97340	2.610	ng	# 84
83) Chrysene	21.17	228	99546	2.775	ng	# 93
88) Benzo(b)fluoranthene	22.67	252	131005	3.368	ng	# 74
89) Benzo(k)fluoranthene	22.67	252	130922	3.380	ng	# 72
90) Benzo(a)pyrene	23.21	252	103368	2.794	ng	# 79
92) Benzo(g,h,i)perylene	26.09	276	99494	3.071	ng	# 92

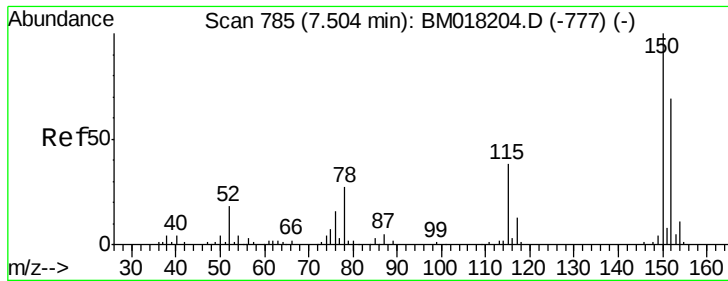
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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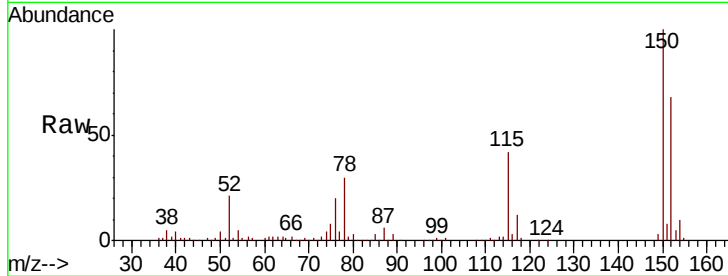


#1

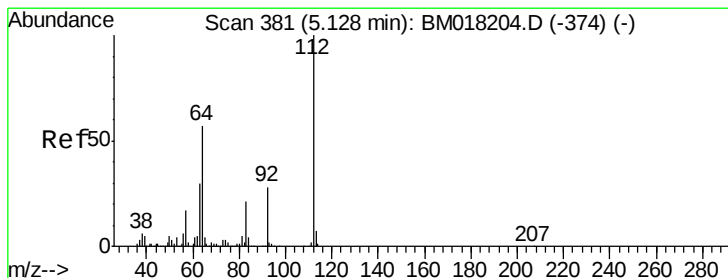
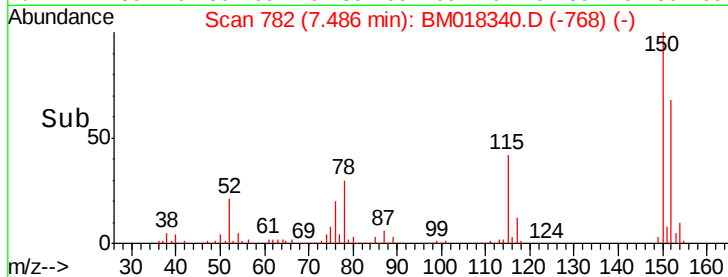
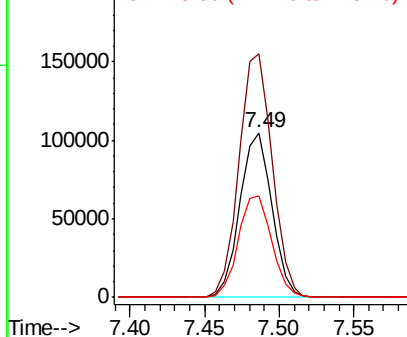
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Instrument :
BNA_M
ClientSampleId :
P001-SS006-0612-01

Tgt Ion:152 Resp: 156662
Ion Ratio Lower Upper
152 100
150 148.1 116.1 174.1
115 61.8 44.6 67.0



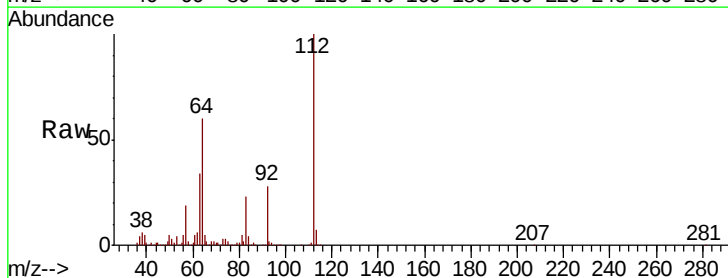
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



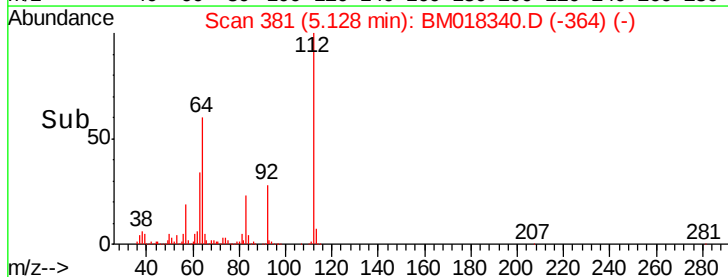
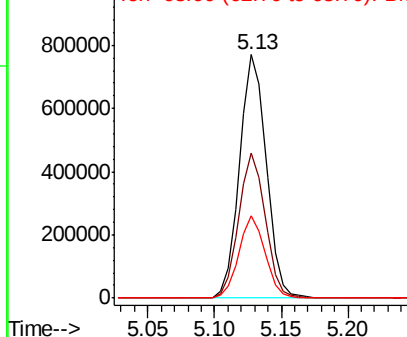
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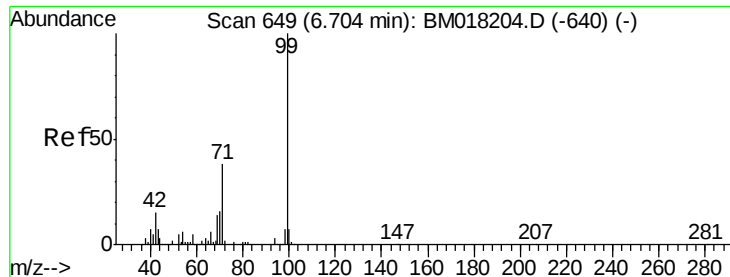
2-Fluorophenol
Concen: 114.370 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Tgt Ion:112 Resp: 1072592
Ion Ratio Lower Upper
112 100
64 59.8 45.4 68.2
63 33.6 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: 104.785 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Instrument :

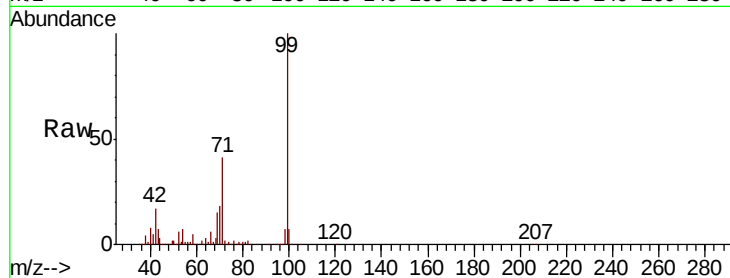
BNA_M

ClientSampleId :

P001-SS006-0612-01

Tgt Ion: 99 Resp: 1365871

Ion	Ratio	Lower	Upper
99	100		
42	16.6	12.3	18.5
71	40.6	30.2	45.2

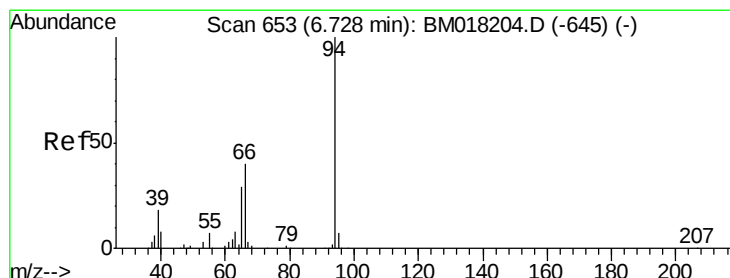
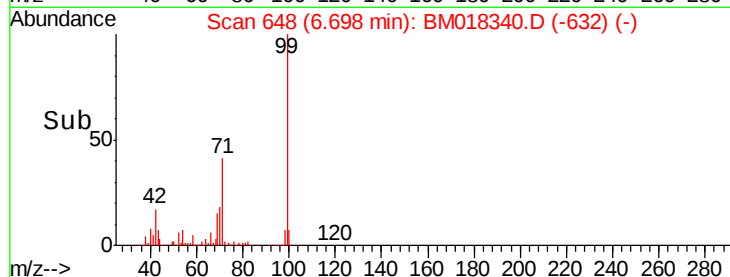
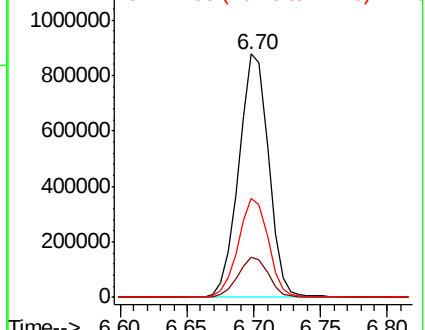


Abundance

Ion 99.00 (98.70 to 99.70): BM018340.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018340.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018340.D (-632) (-)



#10

Phenol

Concen: 6.810 ng

RT: 6.72 min Scan# 652

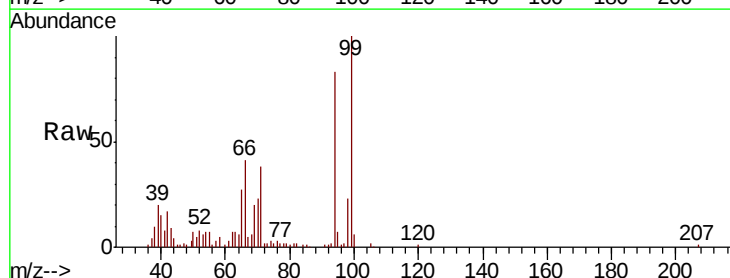
Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Tgt Ion: 94 Resp: 94004

Ion	Ratio	Lower	Upper
94	100		
65	32.1	9.5	49.5
66	49.3	21.3	61.3

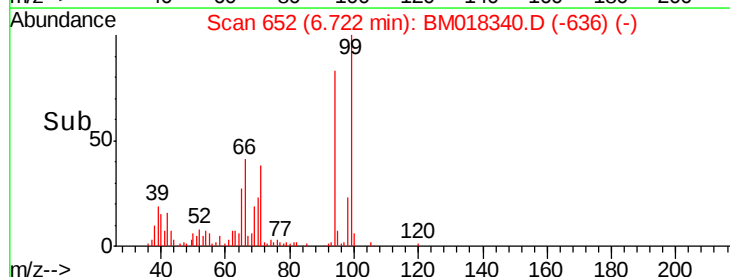
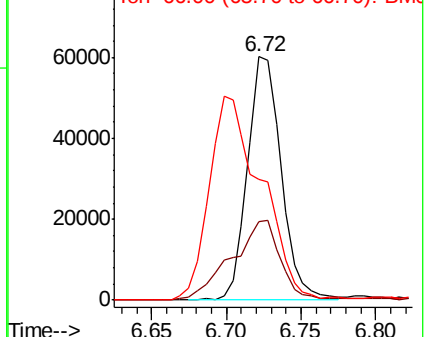


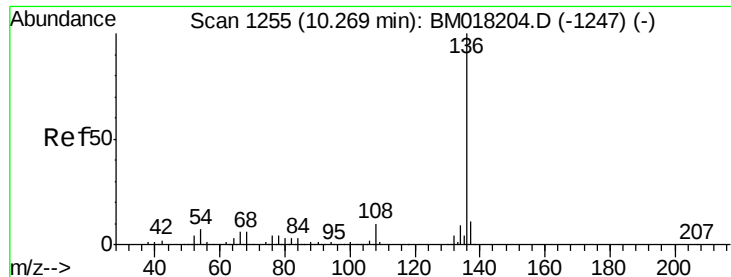
Abundance

Ion 94.00 (93.70 to 94.70): BM018340.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018340.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018340.D (-636) (-)

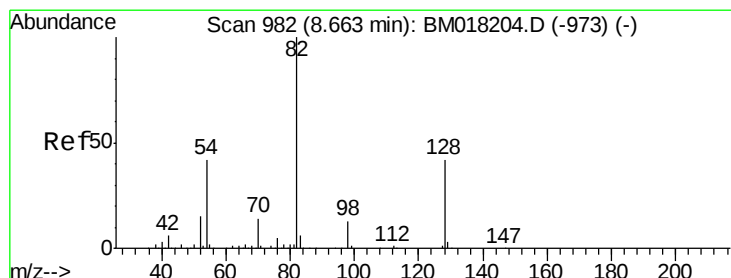
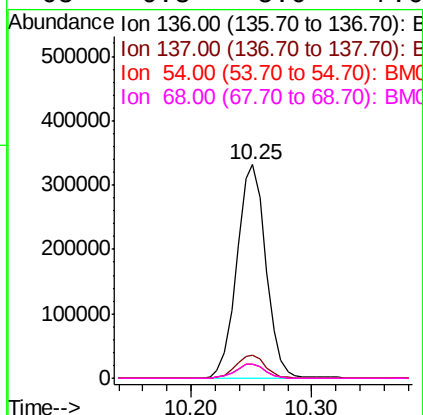
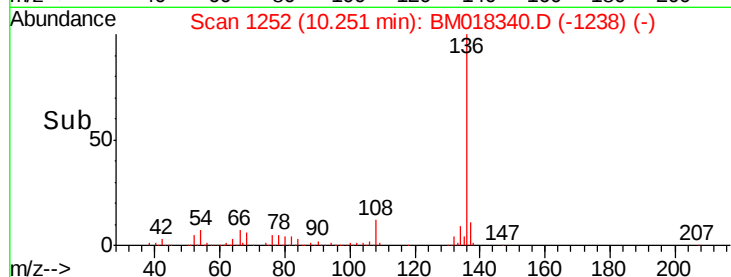
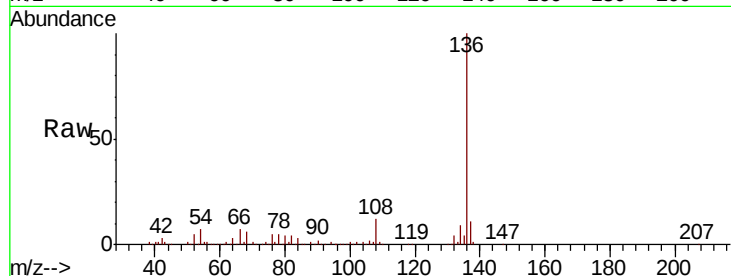




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

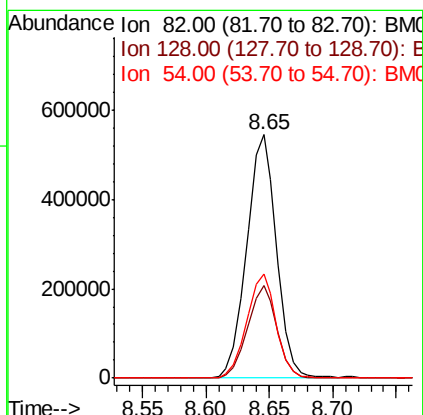
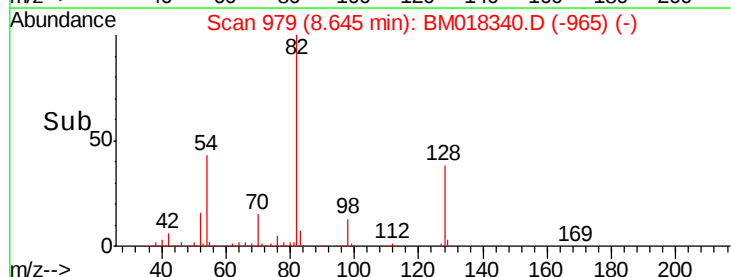
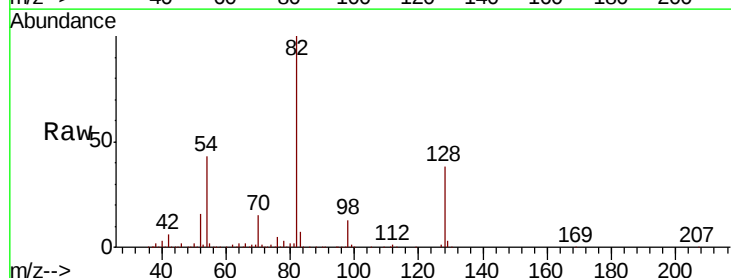
Instrument :
BNA_M
ClientSampleId :
P001-SS006-0612-01

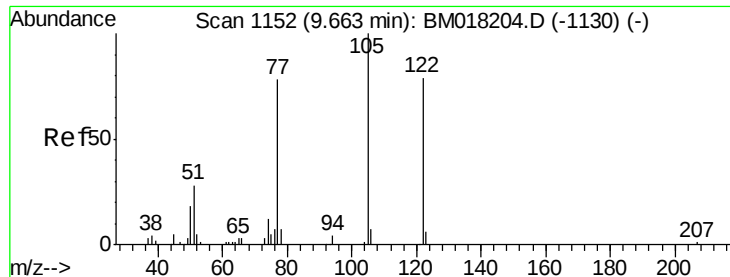
Tgt Ion:	136	Resp:	557254
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	6.9	5.2	7.8
68	6.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 81.856 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Tgt Ion:	82	Resp:	889285
Ion	Ratio	Lower	Upper
82	100		
128	38.2	33.4	50.2
54	42.7	33.4	50.2

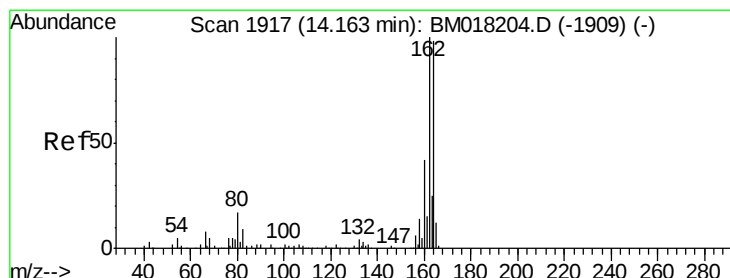
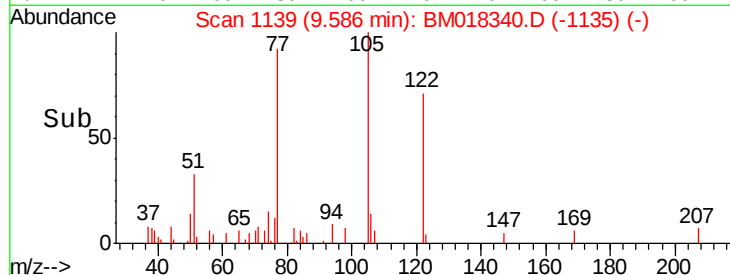
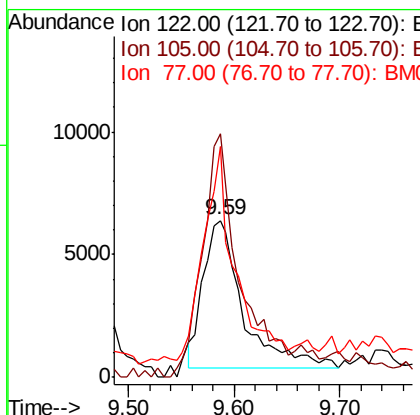
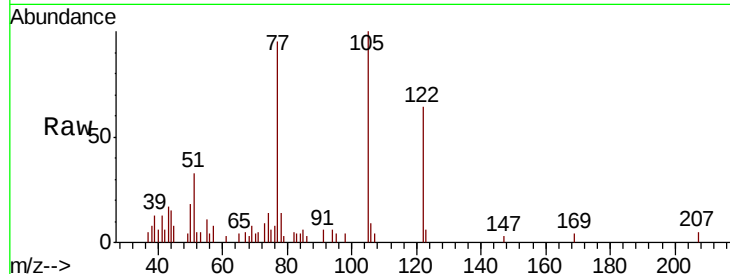




#32
Benzoic acid
Concen: 2.150 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

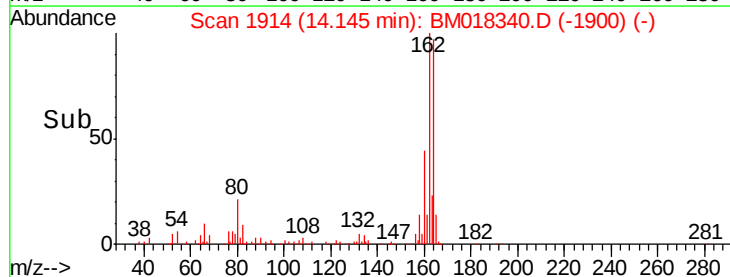
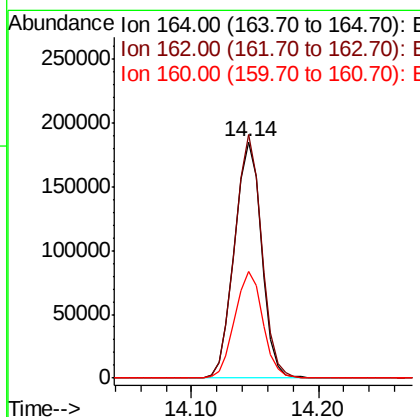
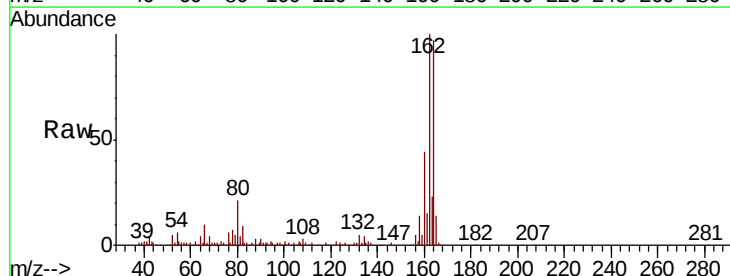
Instrument :
BNA_M
ClientSampleId :
P001-SS006-0612-01

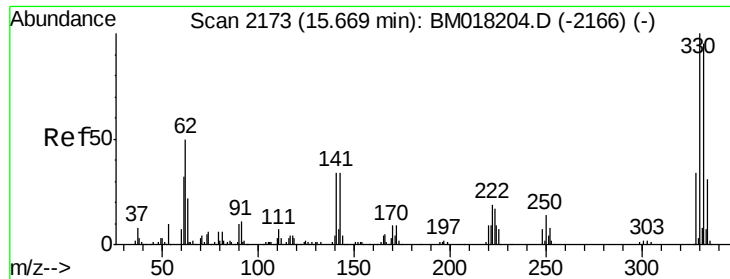
Tgt Ion:122 Resp: 15621
Ion Ratio Lower Upper
122 100
105 155.5 104.8 144.8#
77 147.1 77.7 117.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Tgt Ion:164 Resp: 273236
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 45.2 34.6 51.8

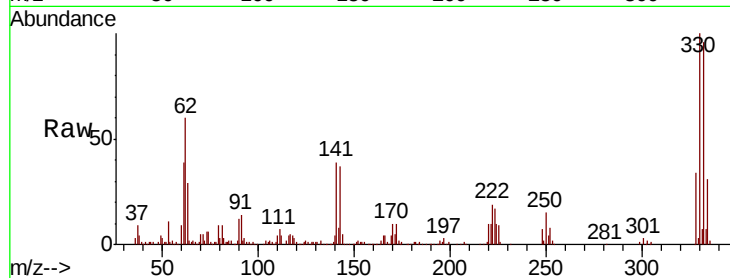




#42
 2,4,6-Tribromophenol
 Concen: 99.102 ng
 RT: 15.66 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BM018340.D
 Acq: 20 Dec 2018 21:10

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.6	118.0
141	38.6	27.1	40.7

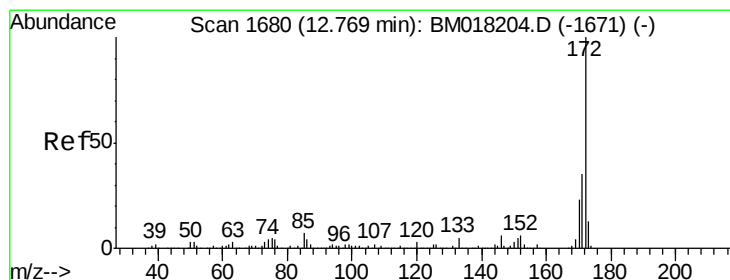
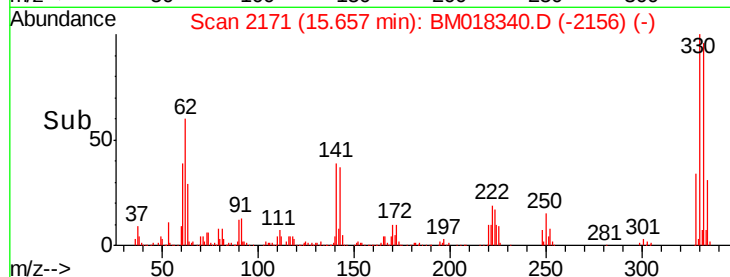
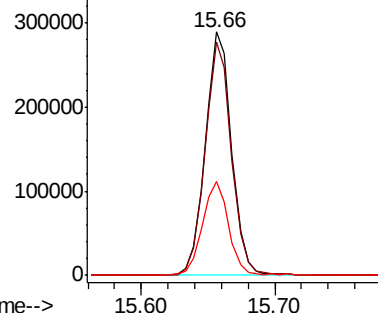


Abundance

Ion 329.80 (329.50 to 330.50): E

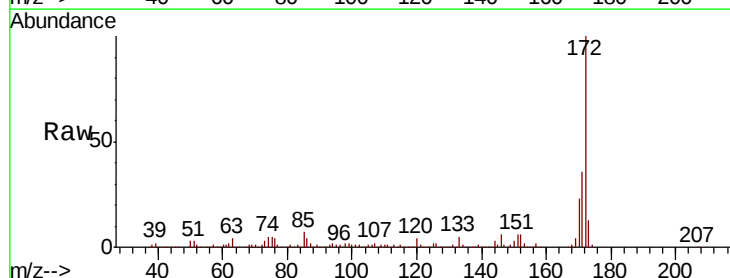
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.777 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018340.D
 Acq: 20 Dec 2018 21:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.3	18.1	27.1

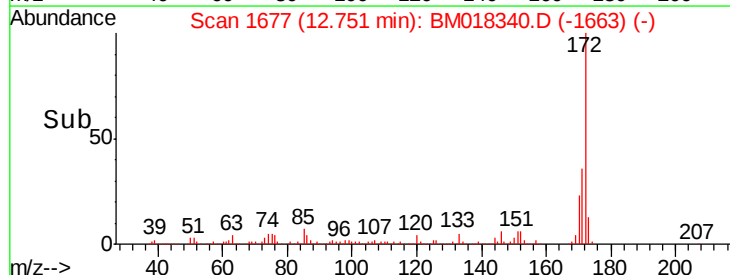
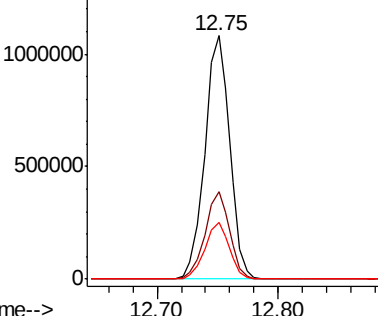


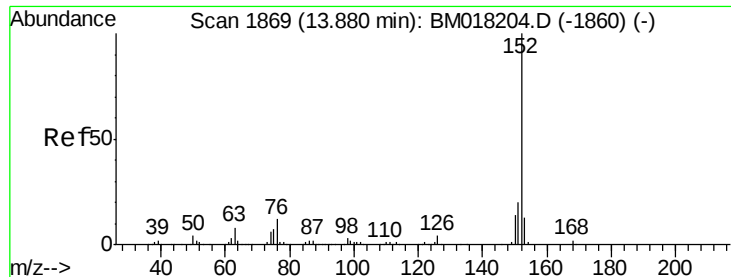
Abundance

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: 2.873 ng

RT: 13.86 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Instrument :

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P001-SS006-0612-01

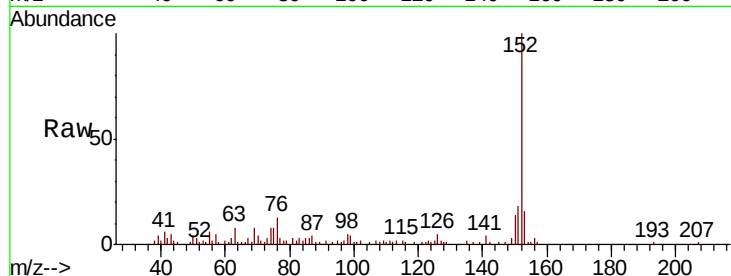
Tgt Ion:152 Resp: 78345

Ion Ratio Lower Upper

152 100

151 17.6 16.0 24.0

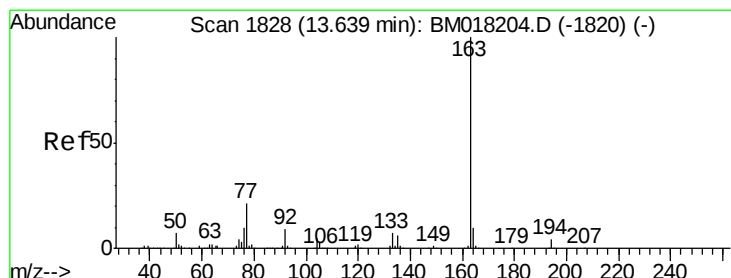
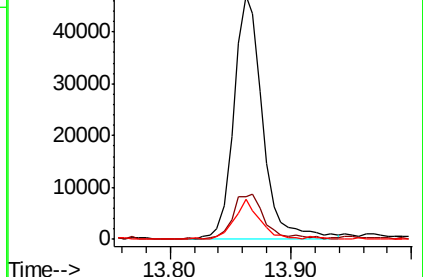
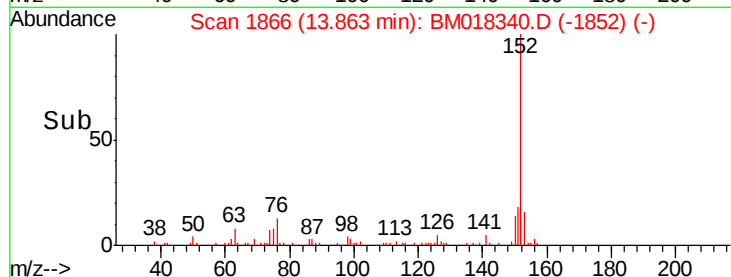
153 16.2 10.2 15.2#



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: 5.674 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

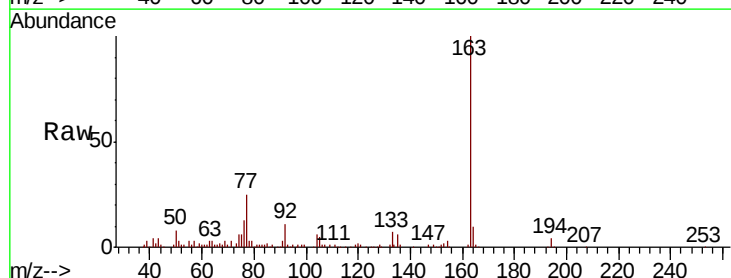
Tgt Ion:163 Resp: 128889

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

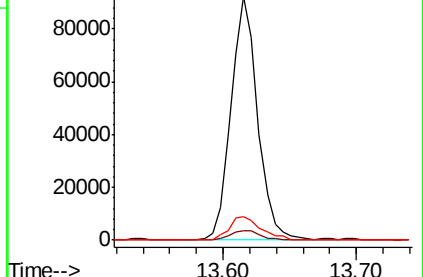
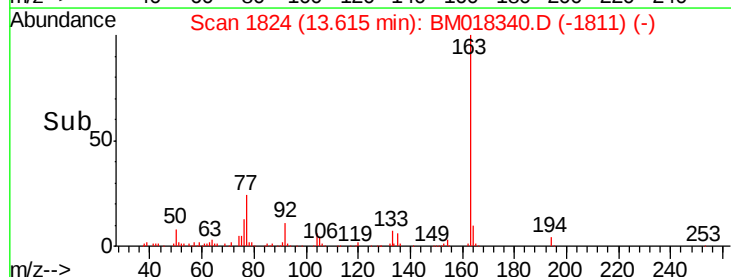
164 9.6 7.9 11.9

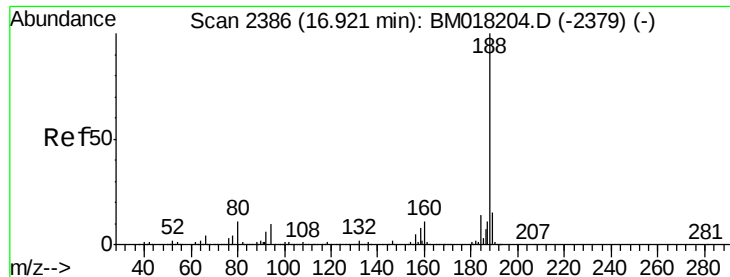


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

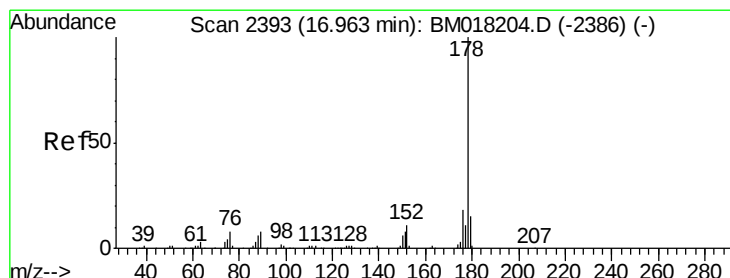
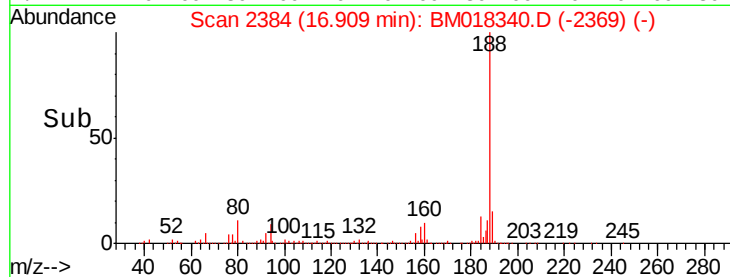
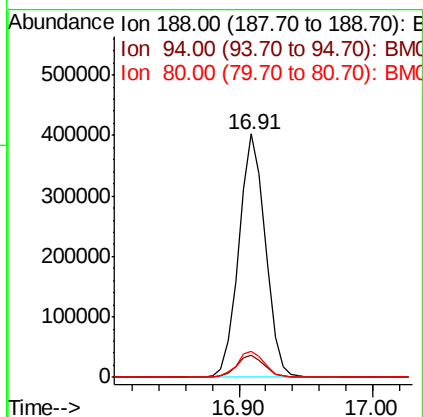
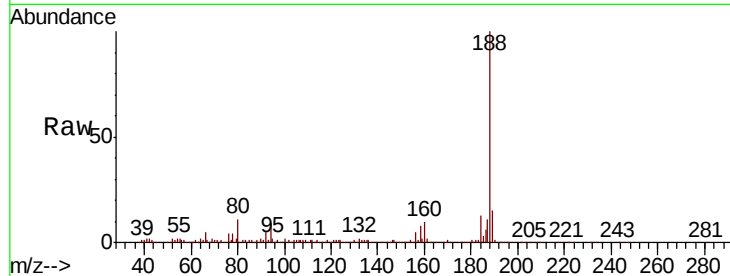




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

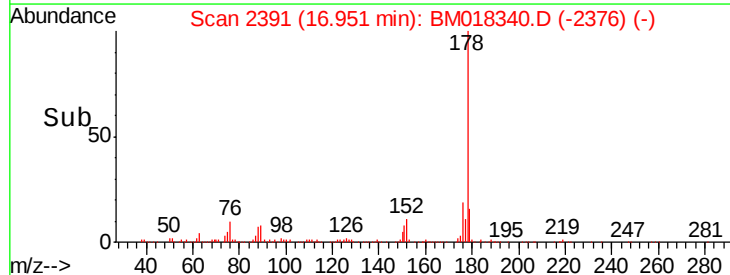
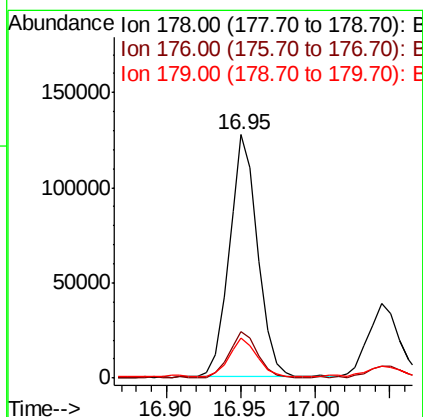
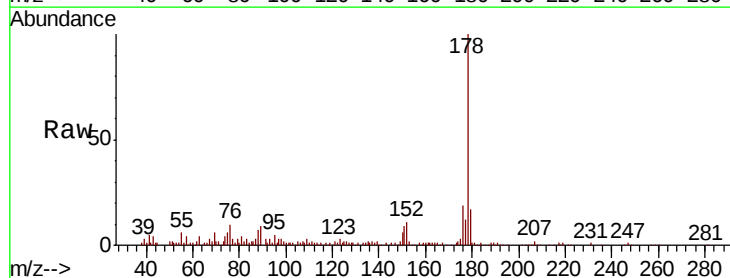
Instrument :
BNA_M
ClientSampleId :
P001-SS006-0612-01

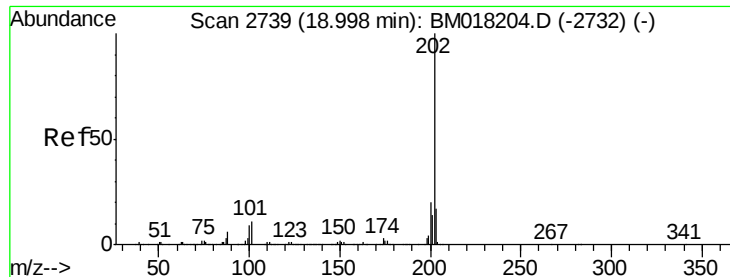
Tgt Ion:188 Resp: 552142
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.9 9.0 13.6



#71
Phenanthrene
Concen: 5.628 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Tgt Ion:178 Resp: 168782
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.6 12.0 18.0





#75

Fluoranthene

Concen: 3.689 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

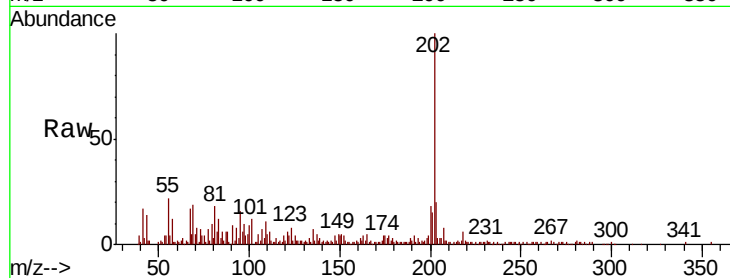
Instrument :

BNA_M

ClientSampleId :

P001-SS006-0612-01

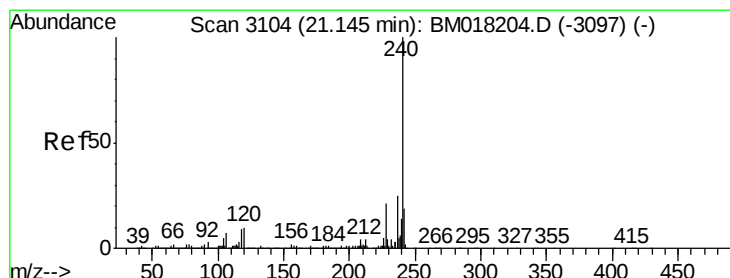
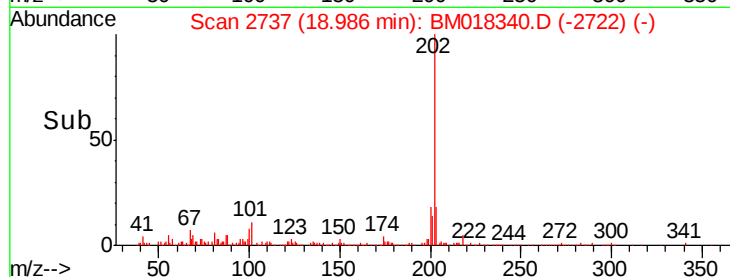
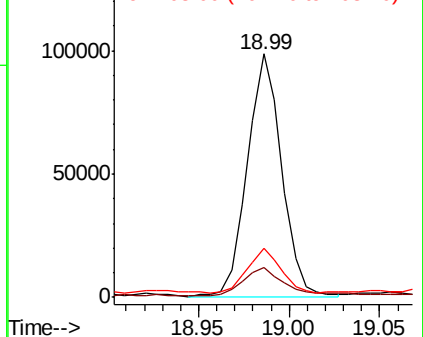
Tgt Ion:	202	Resp:	128636
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	30.5
203	20.1	0.0	37.5



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

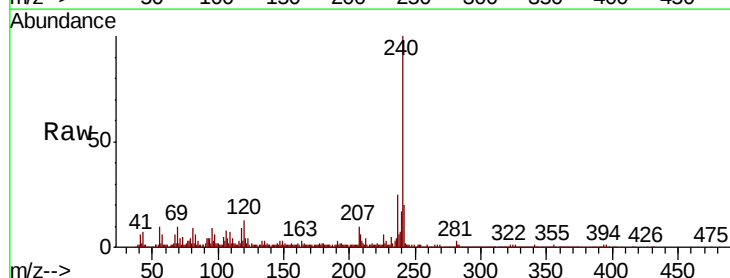
RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

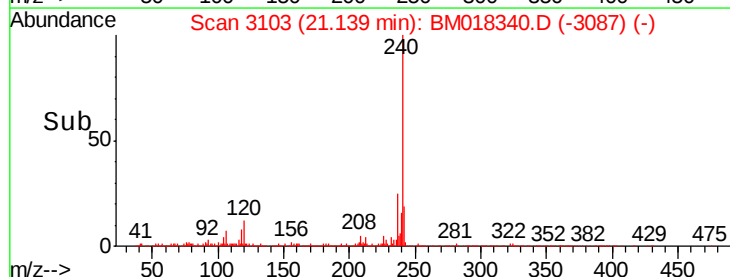
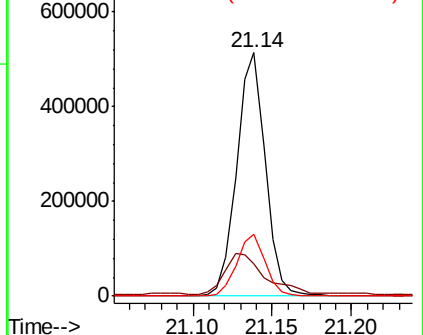
Tgt Ion:	240	Resp:	638387
Ion Ratio	Lower	Upper	
240	100		
120	13.1	8.2	12.2#
236	25.2	20.3	30.5

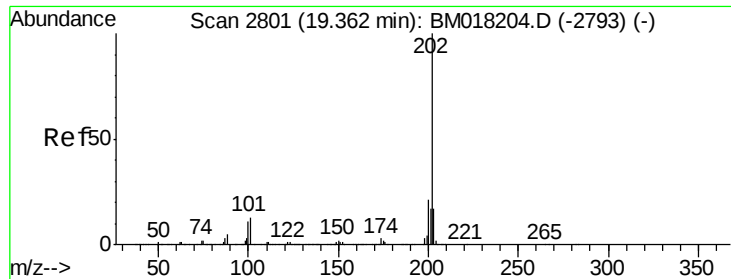


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

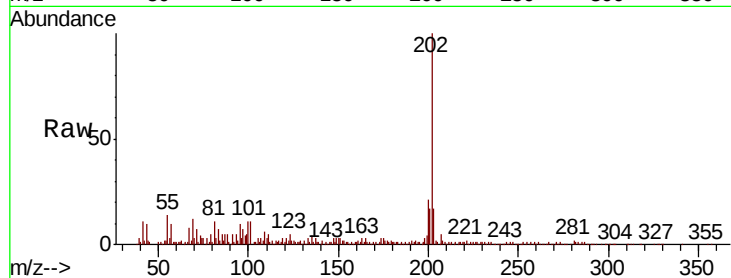




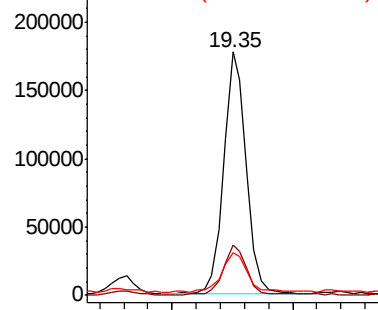
#78
 Pyrene
 Concen: 6.055 ng
 RT: 19.35 min Scan# 2799
 Delta R.T. -0.01 min
 Lab File: BM018340.D
 Acq: 20 Dec 2018 21:10

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS006-0612-01

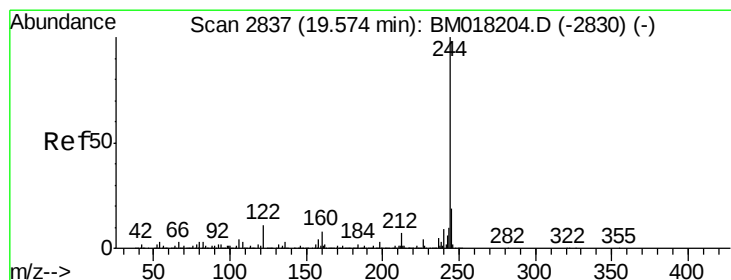
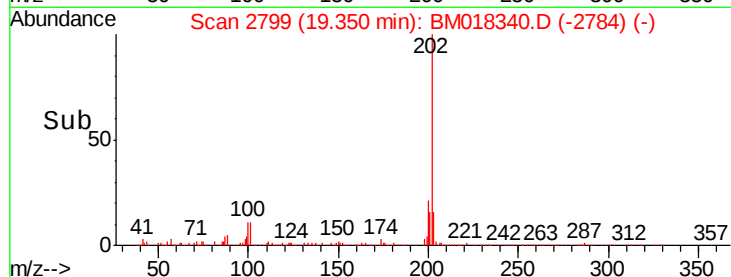
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.5	14.0	21.0



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

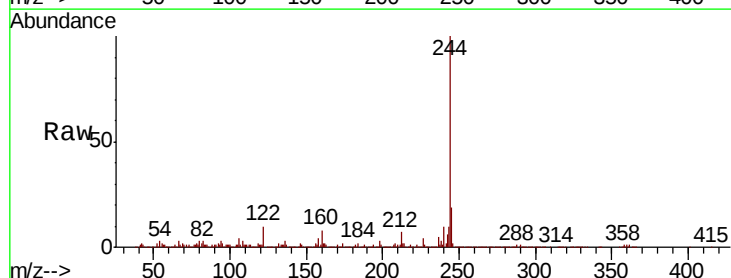


Time-->

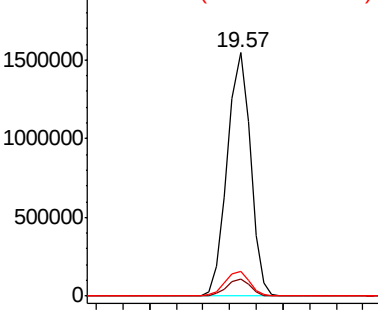


#79
 Terphenyl-d14
 Concen: 65.697 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM018340.D
 Acq: 20 Dec 2018 21:10

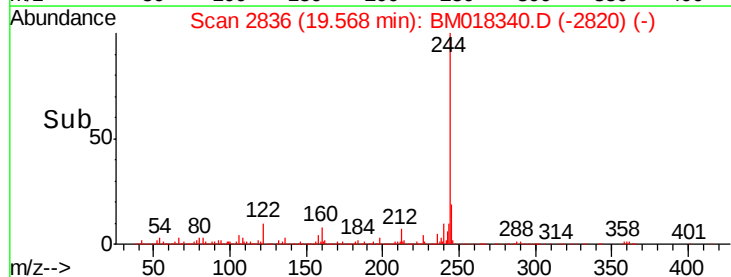
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.3	9.0	13.6

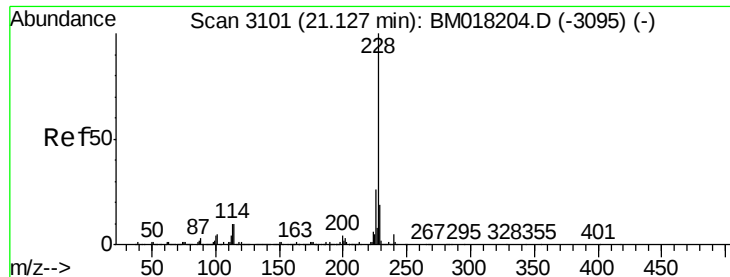


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 2.610 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Instrument :

BNA_M

ClientSampleId :

P001-SS006-0612-01

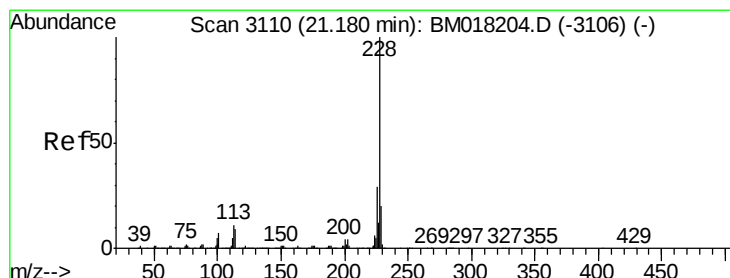
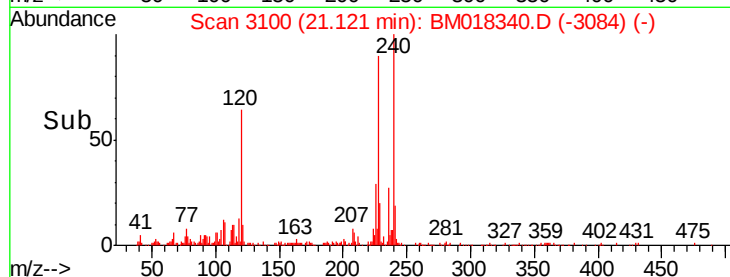
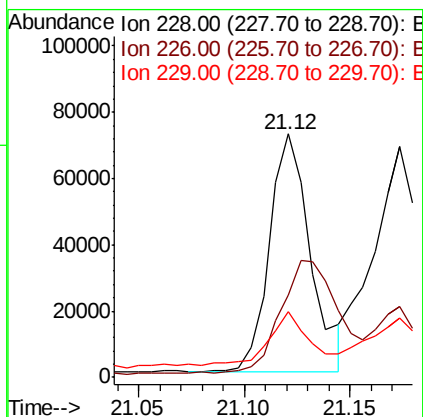
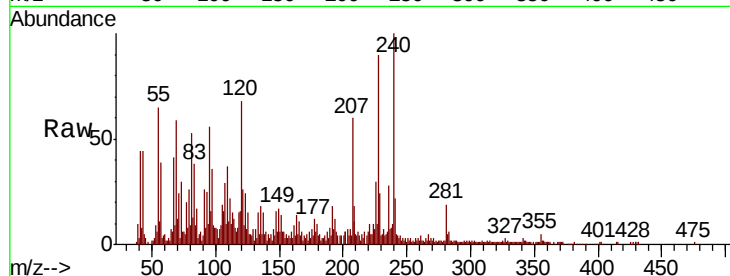
Tgt Ion:228 Resp: 97340

Ion Ratio Lower Upper

228 100

226 33.8 21.0 31.4#

229 27.0 15.5 23.3#



#83

Chrysene

Concen: 2.775 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

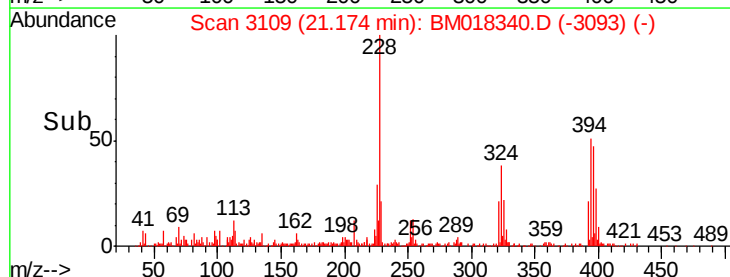
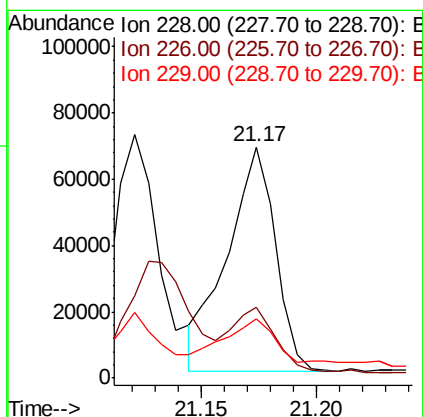
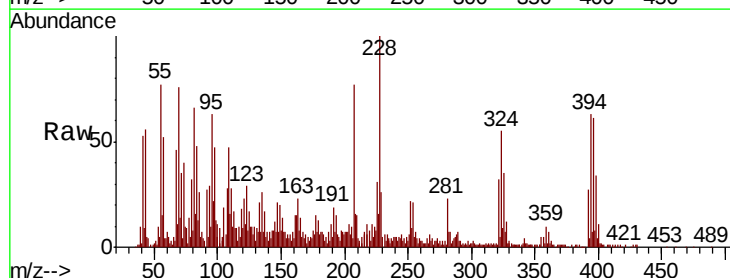
Tgt Ion:228 Resp: 99546

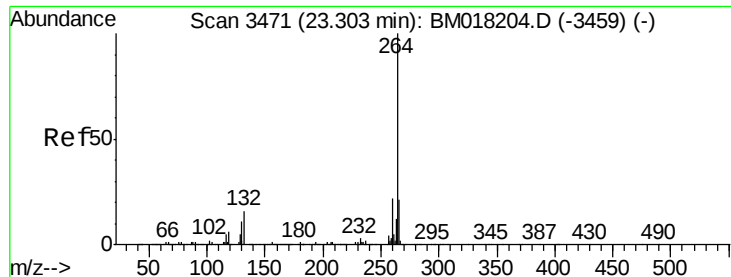
Ion Ratio Lower Upper

228 100

226 30.7 23.1 34.7

229 25.7 15.8 23.6#



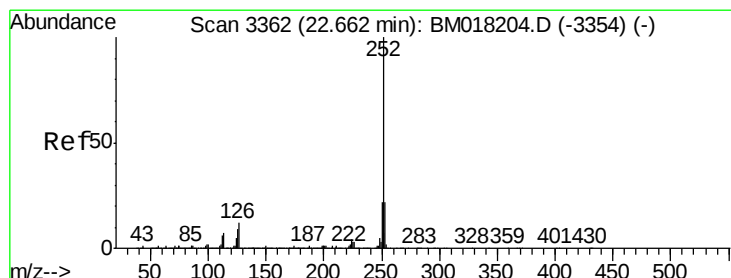
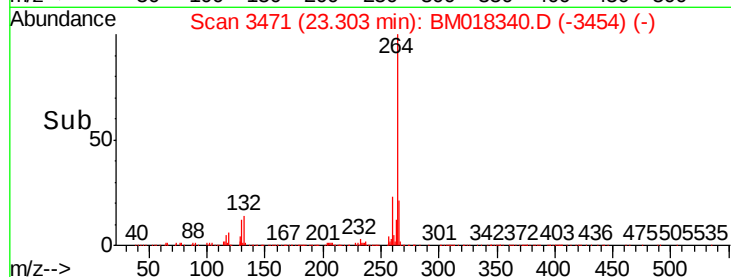
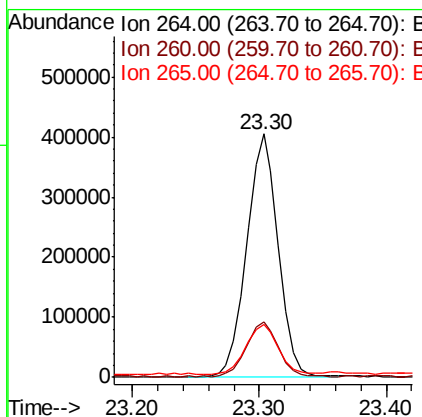
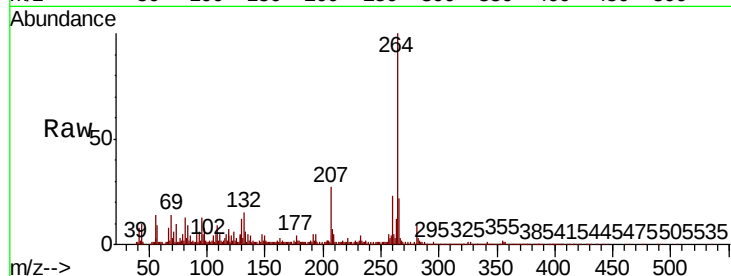


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3471
Delta R.T. -0.00 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Instrument :
BNA_M
ClientSampleId :
P001-SS006-0612-01

Tgt Ion: 264 Resp: 692468

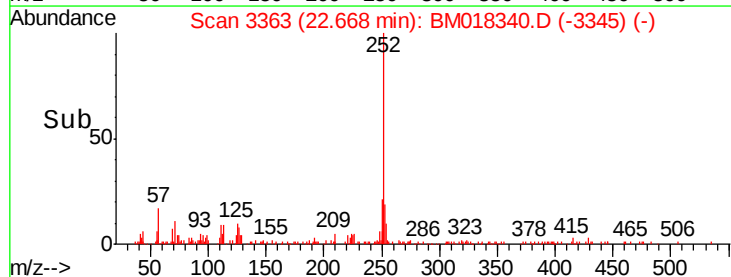
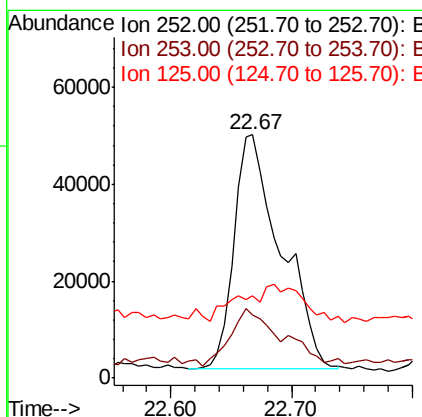
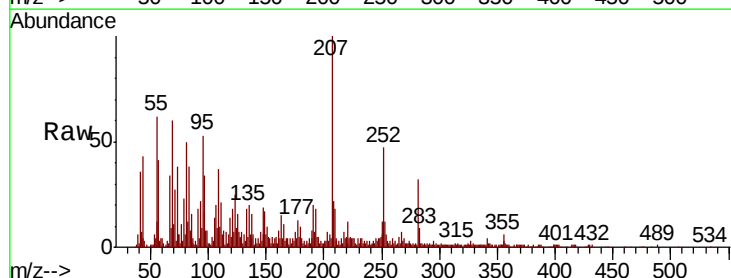
Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.5	26.3
265	21.8	17.3	25.9

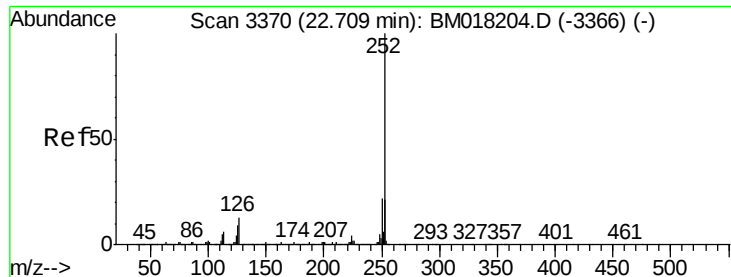


#88
Benzo(b)fluoranthene
Concen: 3.368 ng
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM018340.D
Acq: 20 Dec 2018 21:10

Tgt Ion: 252 Resp: 131005

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.6	26.4
125	33.9	7.4	11.0#





#89

Benzo(k)fluoranthene

Concen: 3.380 ng

RT: 22.67 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Instrument :

BNA_M

ClientSampleId :

P001-SS006-0612-01

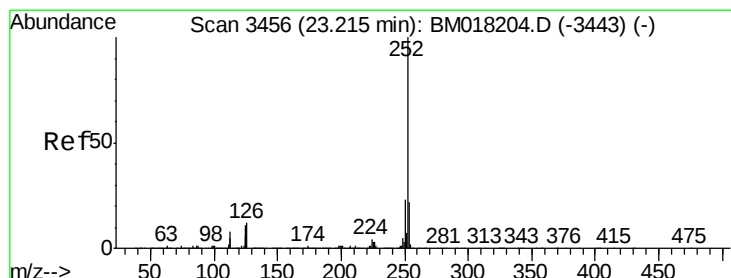
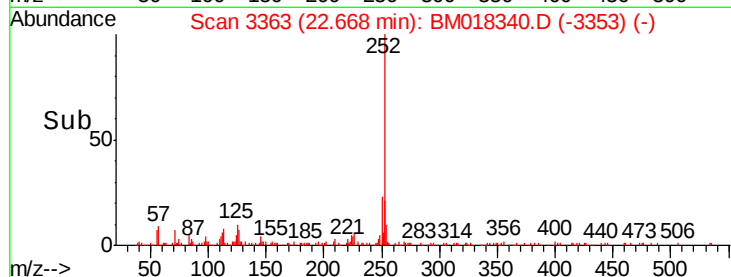
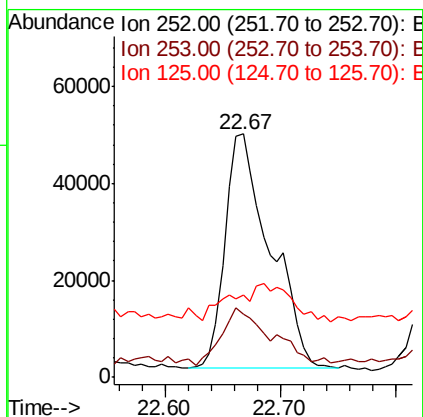
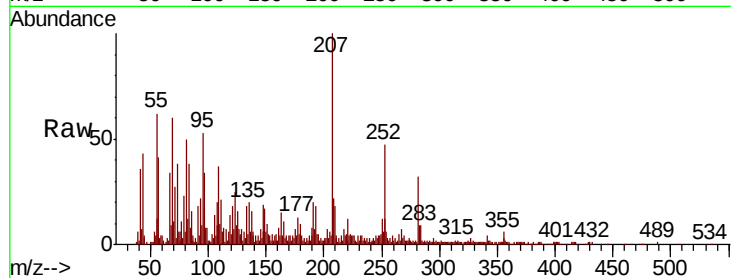
Tgt Ion:252 Resp: 130922

Ion Ratio Lower Upper

252 100

253 26.2 16.9 25.3#

125 33.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 2.794 ng

RT: 23.21 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

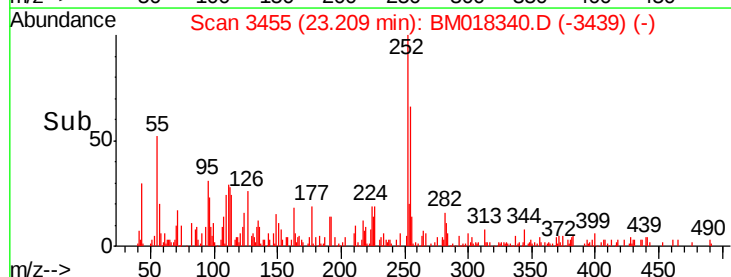
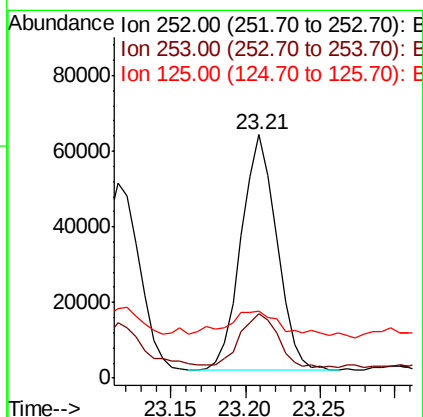
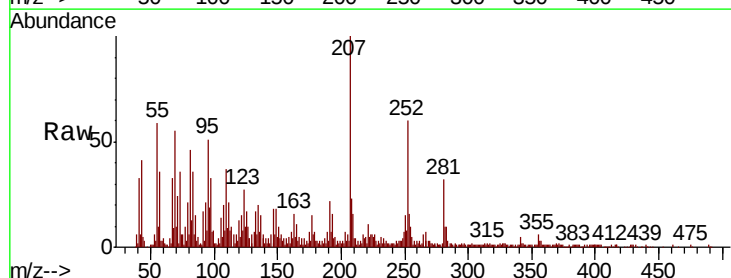
Tgt Ion:252 Resp: 103368

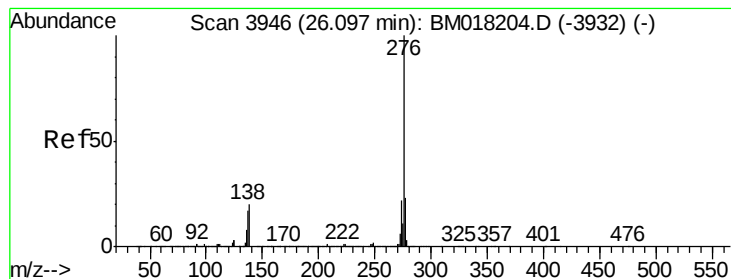
Ion Ratio Lower Upper

252 100

253 26.6 17.6 26.4#

125 27.6 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 3.071 ng

RT: 26.09 min Scan# 3945

Delta R.T. -0.01 min

Lab File: BM018340.D

Acq: 20 Dec 2018 21:10

Instrument :

BNA_M

ClientSampleId :

P001-SS006-0612-01

Tgt Ion: 276 Resp: 99494

Ion Ratio Lower Upper

276 100

277 25.3 18.7 28.1

138 25.2 15.8 23.8#

