

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022719\
 Data File : BM018956.D
 Acq On : 27 Feb 2019 19:10
 Operator : JU/SJ
 Sample : K1633-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SR-11-S

Quant Time: Feb 28 03:16:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

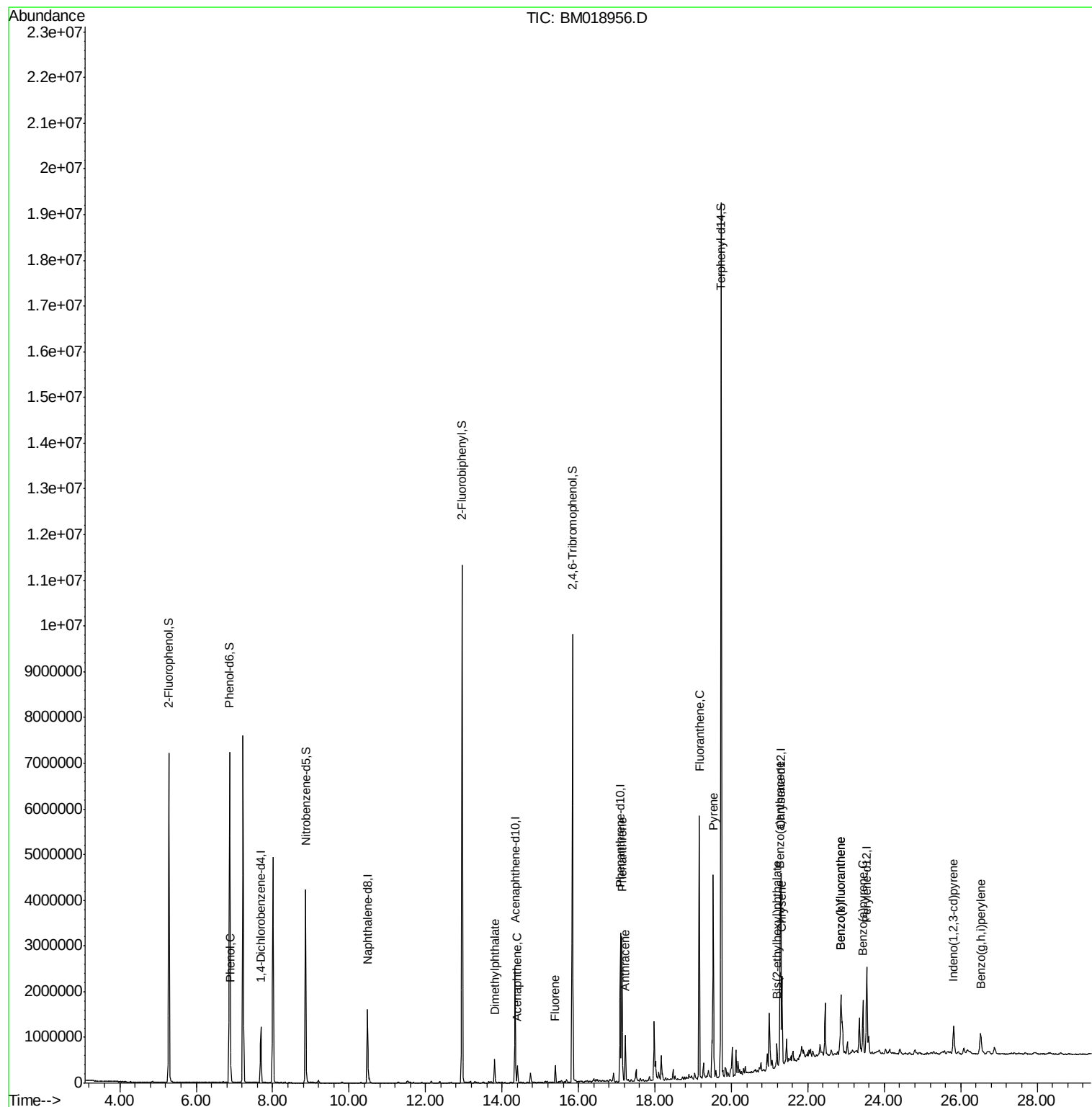
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	313358	20.00	ng	-0.02
21) Naphthalene-d8	10.47	136	1353067	20.00	ng	-0.03
39) Acenaphthene-d10	14.34	164	803394	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1766254	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1524944	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1297061	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	2885689	150.89	ng	-0.02
7) Phenol-d6	6.88	99	4273386	158.61	ng	-0.01
23) Nitrobenzene-d5	8.86	82	2726772	93.18	ng	-0.02
42) 2,4,6-Tribromophenol	15.85	330	1752970	151.37	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	5423035	89.61	ng	-0.02
79) Terphenyl-d14	19.73	244	8072071	109.20	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.88	77	12023	Below Cal		Qvalue # 10
10) Phenol	6.90	94	204094	7.199	ng	98
50) Dimethylphthalate	13.80	163	313500	4.682	ng	100
52) Acenaphthene	14.40	154	118348	2.427	ng	98
58) Fluorene	15.39	166	166212	2.710	ng	98
71) Phenanthrene	17.14	178	1752473	18.462	ng	100
72) Anthracene	17.23	178	570335	6.173	ng	99
75) Fluoranthene	19.16	202	3140517	28.642	ng	99
78) Pyrene	19.53	202	2534651	28.618	ng	100
81) Benzo(a)anthracene	21.27	228	1161751	13.069	ng	99
83) Chrysene	21.33	228	935106	10.975	ng	98
84) Bis(2-ethylhexyl)phthalate	21.19	149	160448	2.716	ng	99
86) Indeno(1,2,3-cd)pyrene	25.81	276	537809	5.467	ng	96
88) Benzo(b)fluoranthene	22.86	252	1134071	15.282	ng	99
89) Benzo(k)fluoranthene	22.86	252	1133885	15.348	ng	98
90) Benzo(a)pyrene	23.44	252	828596	11.786	ng	98
92) Benzo(g,h,i)perylene	26.51	276	506520	7.812	ng	99

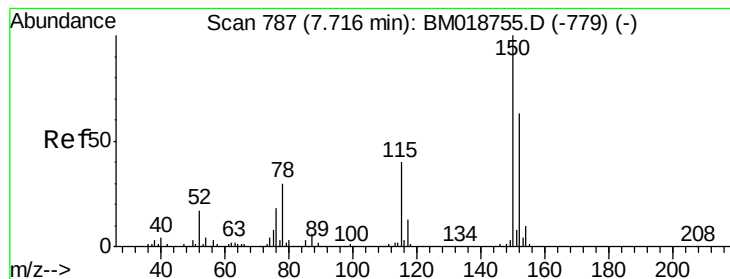
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022719\
Data File : BM018956.D
Acq On : 27 Feb 2019 19:10
Operator : JU/SJ
Sample : K1633-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SR-11-S

Quant Time: Feb 28 03:16:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration



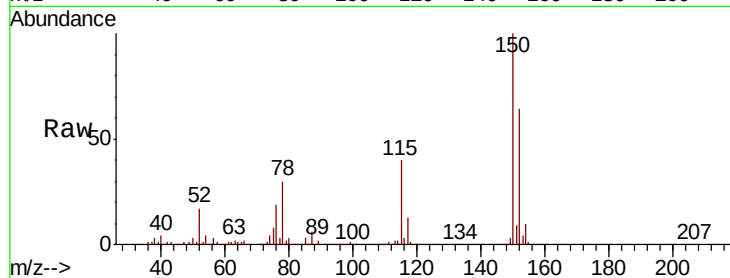


#1

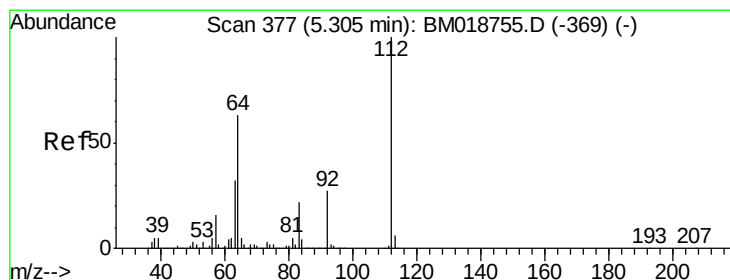
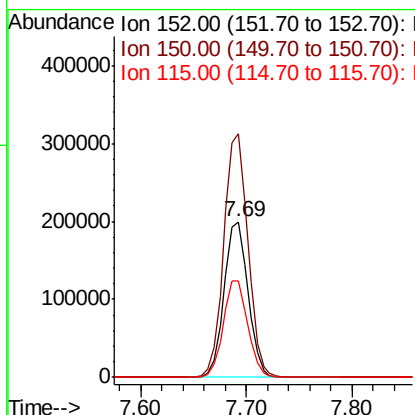
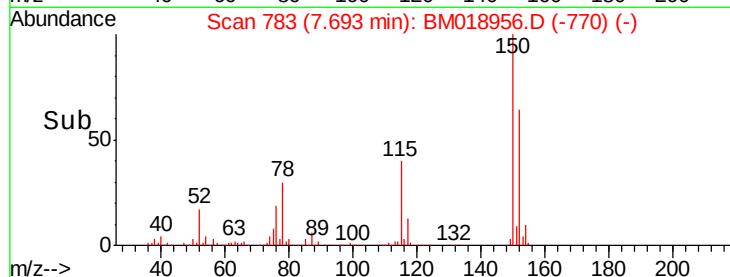
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Instrument :
BNA_M
ClientSampleId :
SR-11-S

Tgt Ion:152 Resp: 313358
Ion Ratio Lower Upper
152 100
150 156.7 127.3 190.9
115 62.0 50.8 76.2



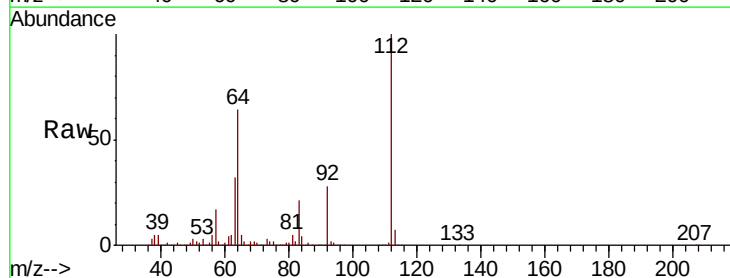
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



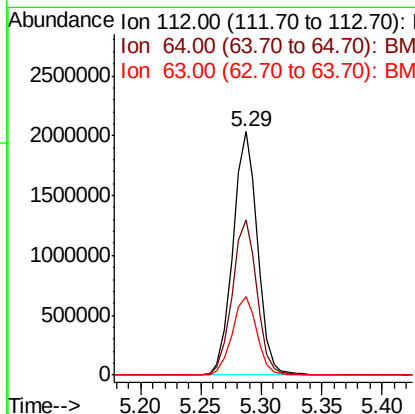
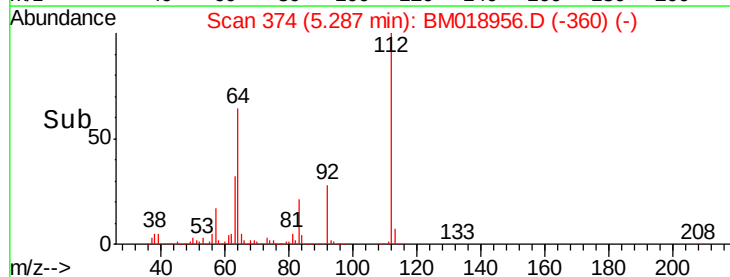
#5

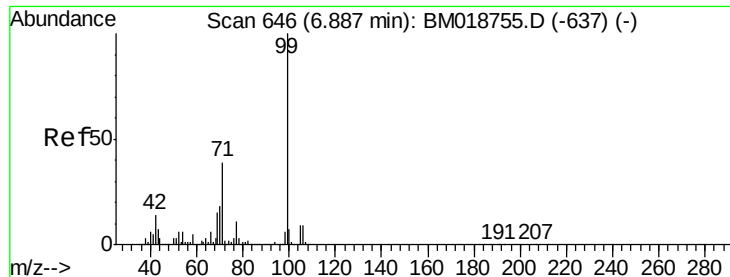
2-Fluorophenol
Concen: 150.886 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Tgt Ion:112 Resp: 2885689
Ion Ratio Lower Upper
112 100
64 63.8 50.6 75.8
63 32.5 25.7 38.5



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





#7

Phenol-d6

Concen: 158.612 ng

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

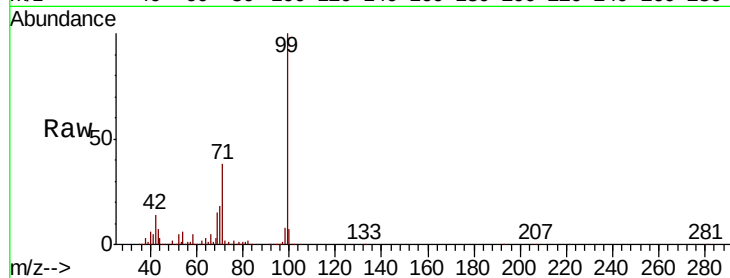
Tgt Ion: 99 Resp: 4273386

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

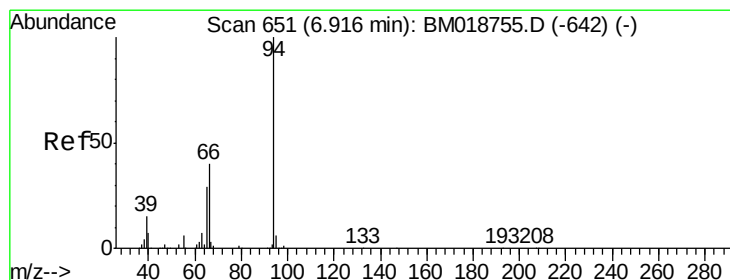
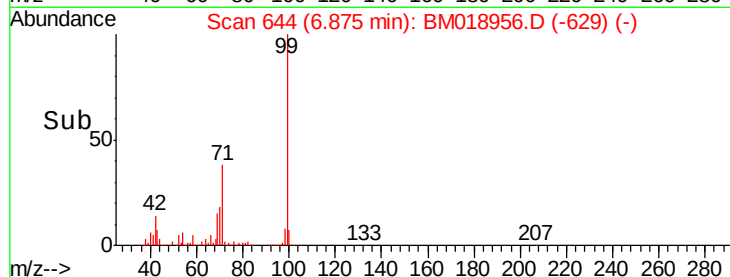
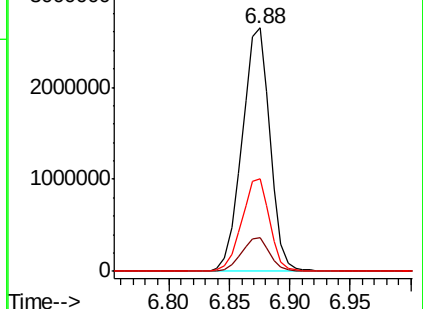
71 38.0 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#10

Phenol

Concen: 7.199 ng

RT: 6.90 min Scan# 648

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

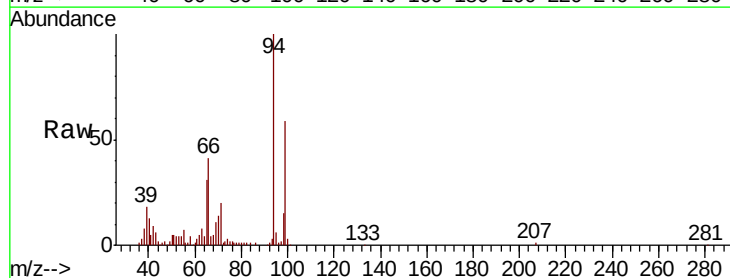
Tgt Ion: 94 Resp: 204094

Ion Ratio Lower Upper

94 100

65 30.8 9.6 49.6

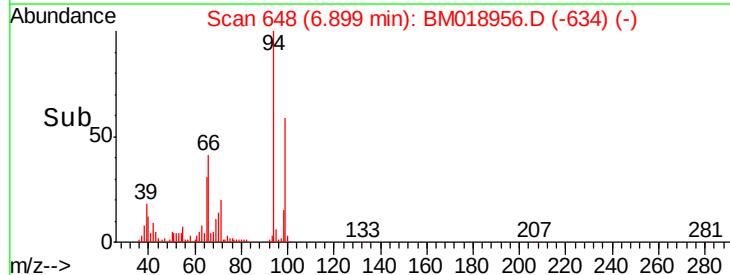
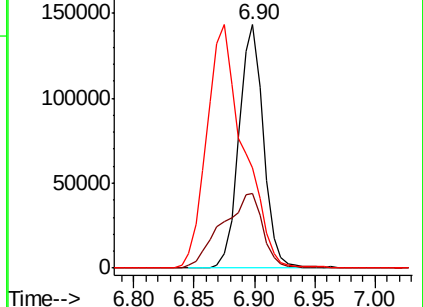
66 41.5 20.4 60.4

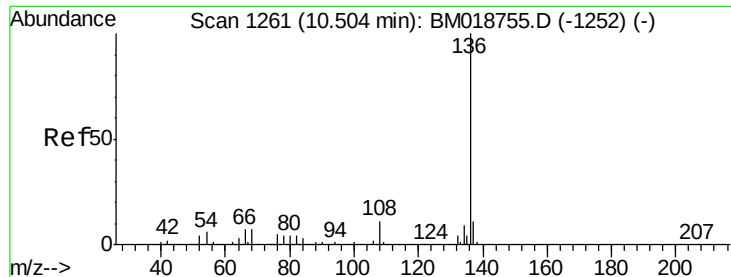


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)

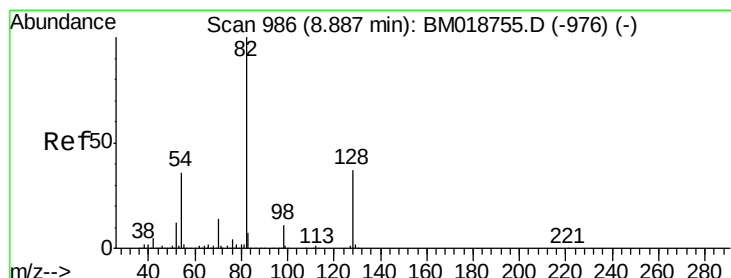
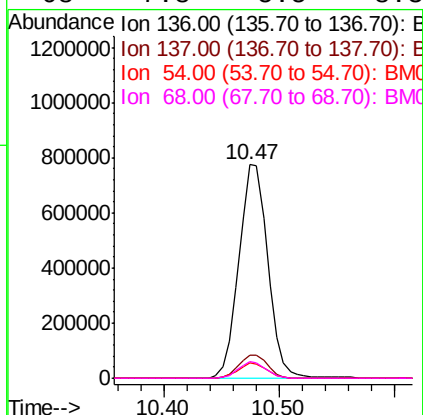
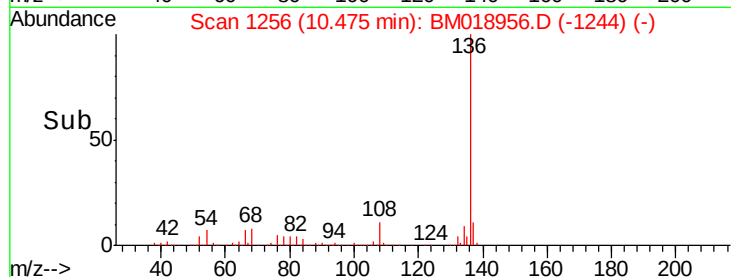
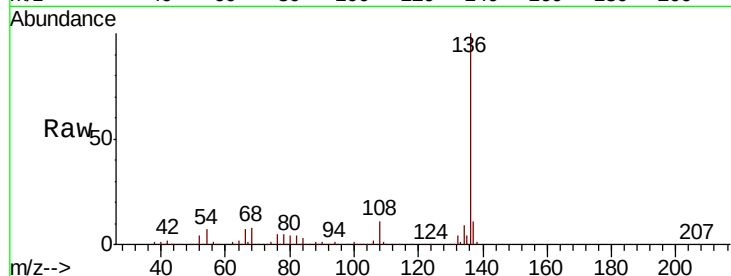




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.47 min Scan# 1256
Delta R.T. -0.03 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

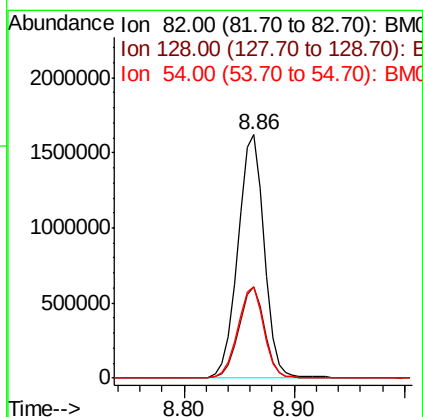
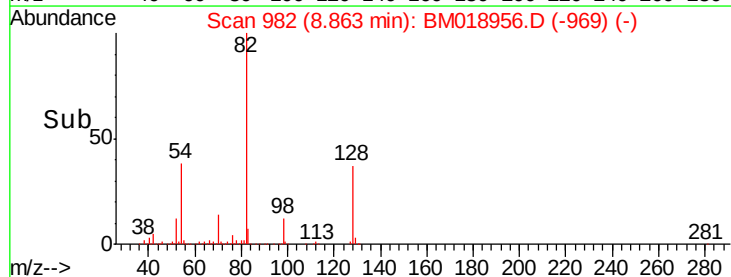
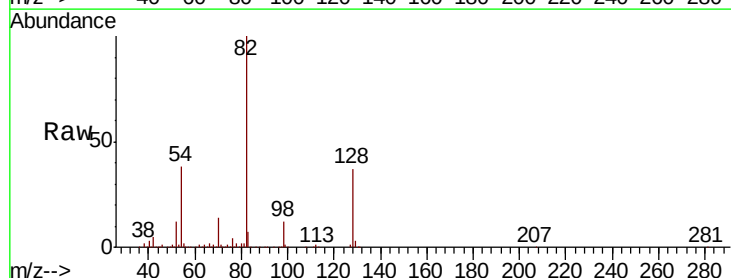
Instrument :
BNA_M
ClientSampleId :
SR-11-S

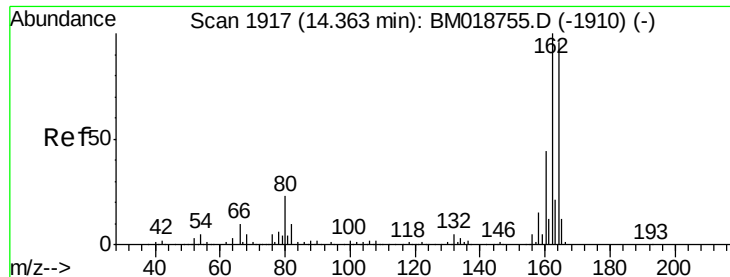
Tgt Ion:	136	Resp:	1353067
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.2	5.0	7.6
68	7.8	5.5	8.3



#23
Nitrobenzene-d5
Concen: 93.183 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Tgt Ion:	82	Resp:	2726772
Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.9	44.9
54	37.5	29.1	43.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.34 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

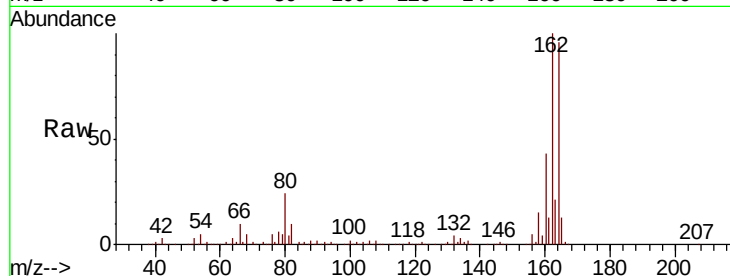
Tgt Ion:164 Resp: 803394

Ion Ratio Lower Upper

164 100

162 103.7 83.4 125.0

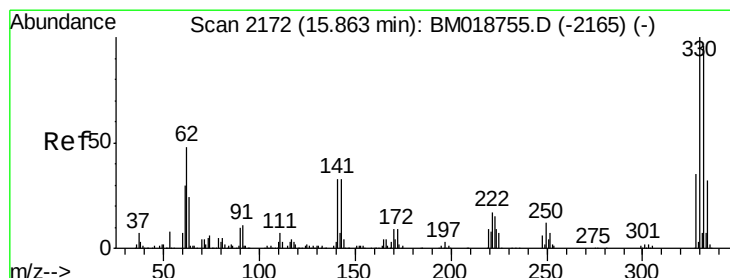
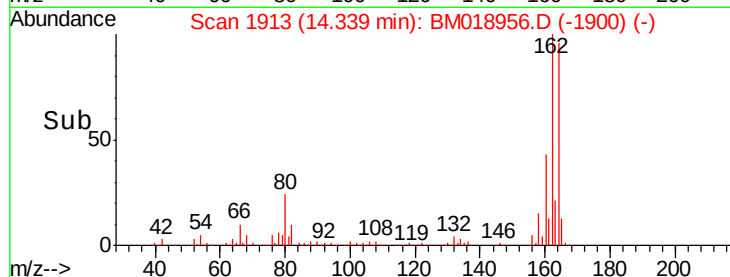
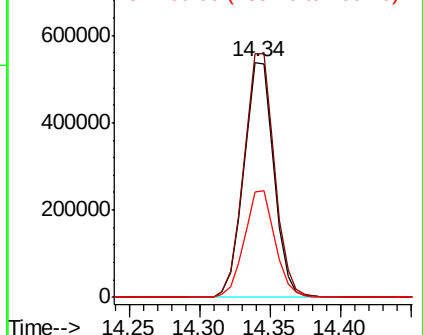
160 44.7 36.6 55.0



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: 151.370 ng

RT: 15.85 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

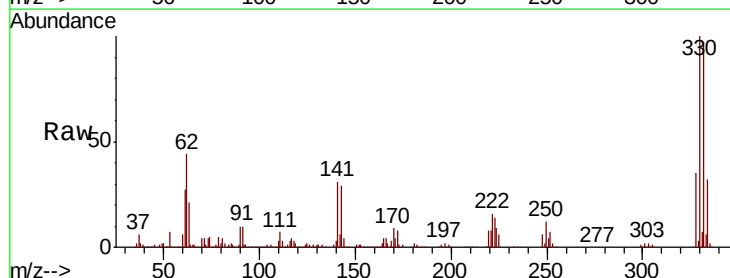
Tgt Ion:330 Resp: 1752970

Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

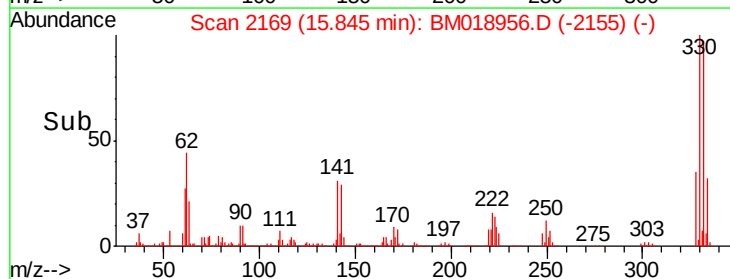
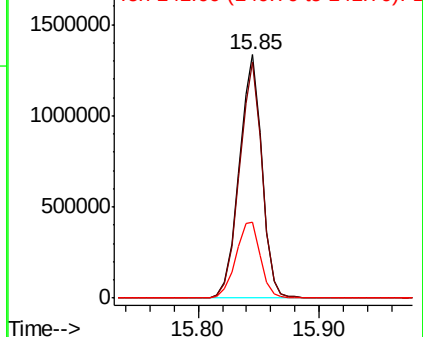
141 33.8 28.7 43.1

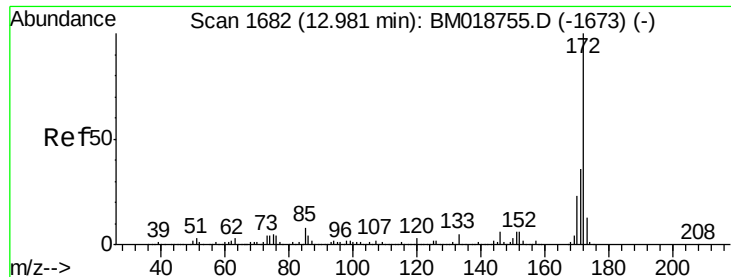


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

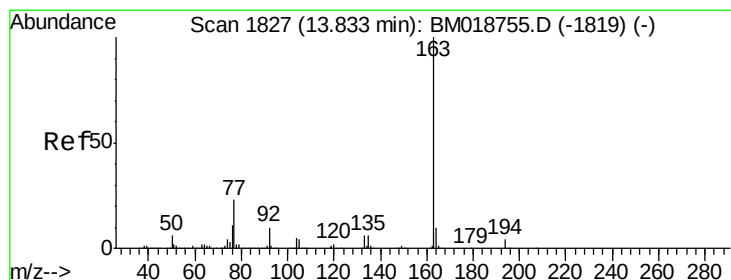
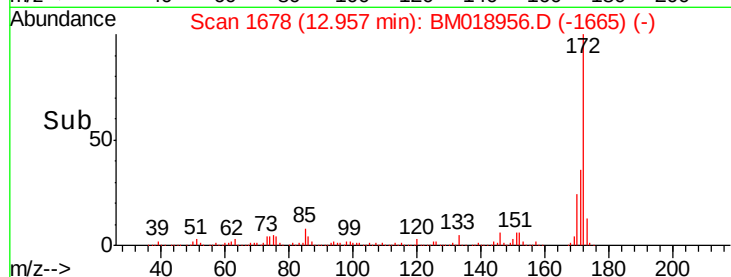
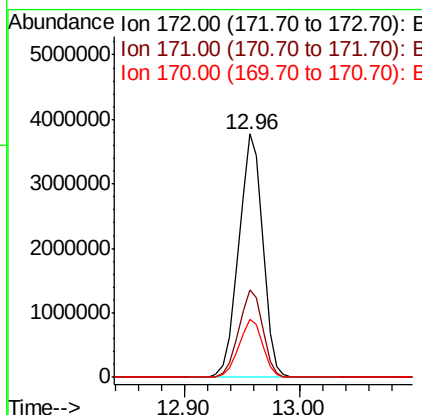
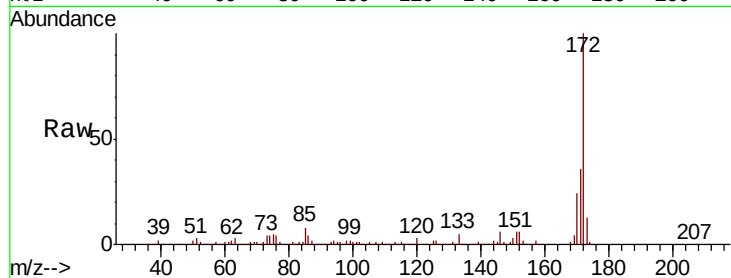




#45
2-Fluorobiphenyl
Concen: 89.607 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

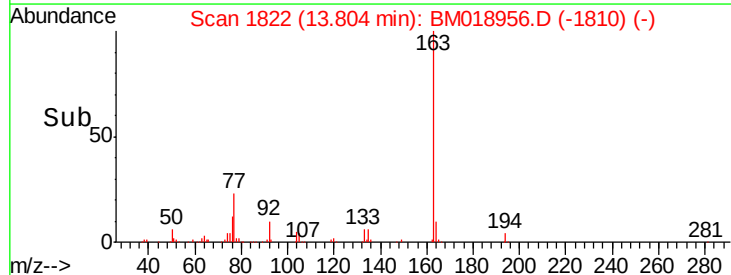
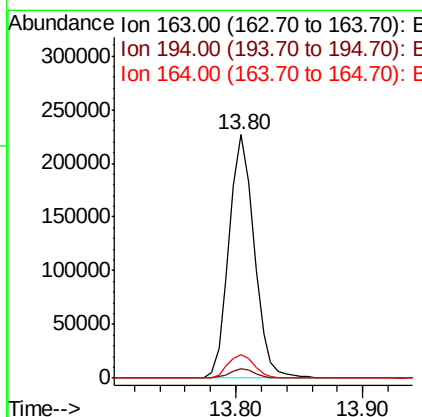
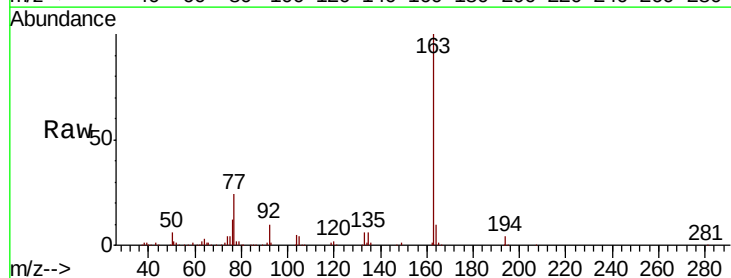
Instrument :
BNA_M
ClientSampleId :
SR-11-S

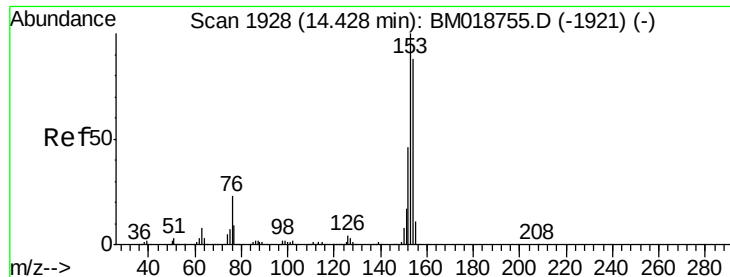
Tgt Ion:172 Resp: 5423035
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.7 18.6 28.0



#50
Dimethylphthalate
Concen: 4.682 ng
RT: 13.80 min Scan# 1822
Delta R.T. -0.03 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Tgt Ion:163 Resp: 313500
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.8 7.8 11.8





#52

Acenaphthene

Concen: 2.427 ng

RT: 14.40 min Scan# 1924

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

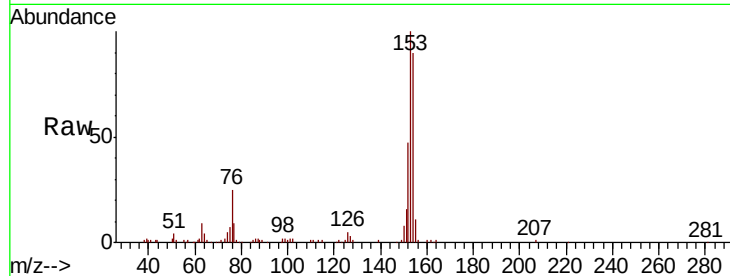
Tgt Ion:154 Resp: 118348

Ion Ratio Lower Upper

154 100

153 110.9 91.3 136.9

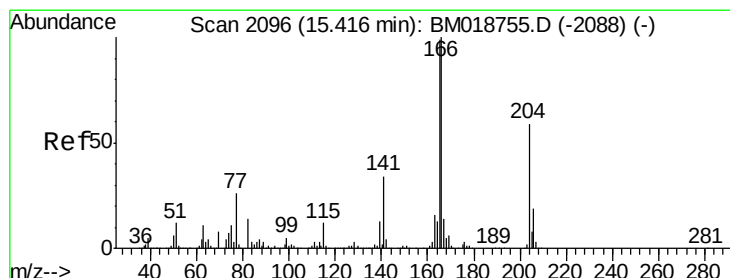
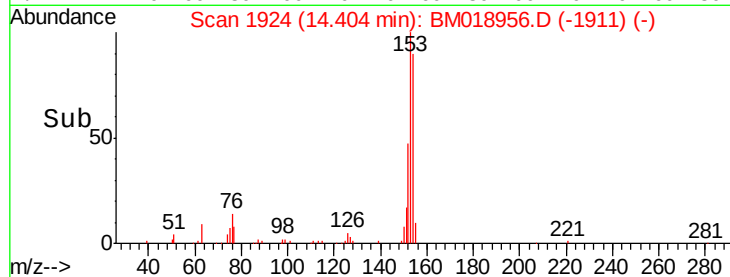
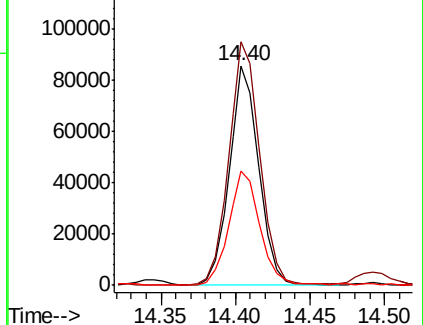
152 52.3 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.710 ng

RT: 15.39 min Scan# 2092

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

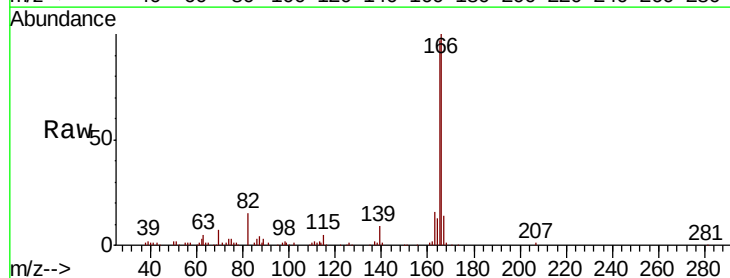
Tgt Ion:166 Resp: 166212

Ion Ratio Lower Upper

166 100

165 97.2 79.1 118.7

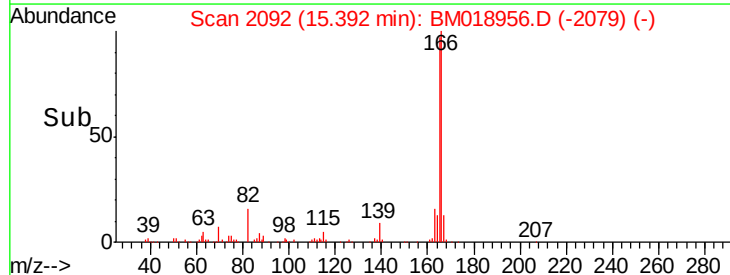
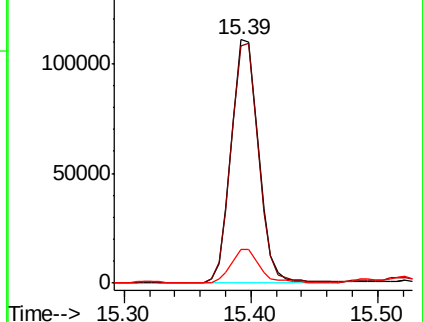
167 13.7 11.0 16.4

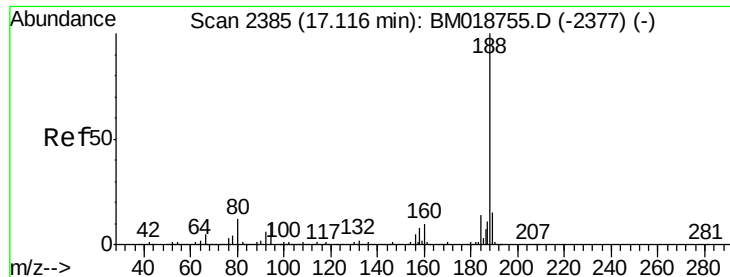


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

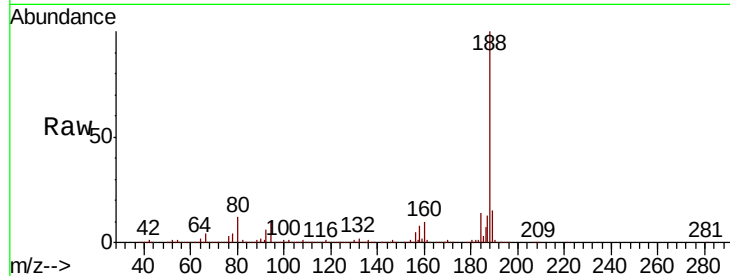
Tgt Ion:188 Resp: 1766254

Ion Ratio Lower Upper

188 100

94 9.9 8.2 12.2

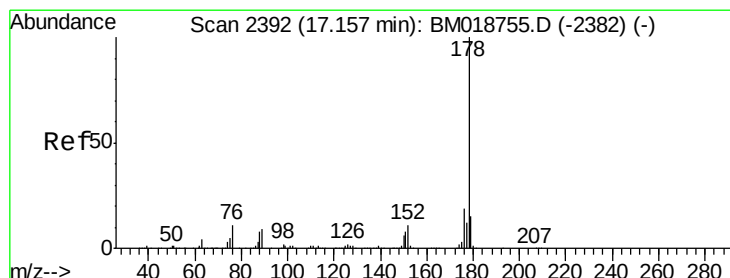
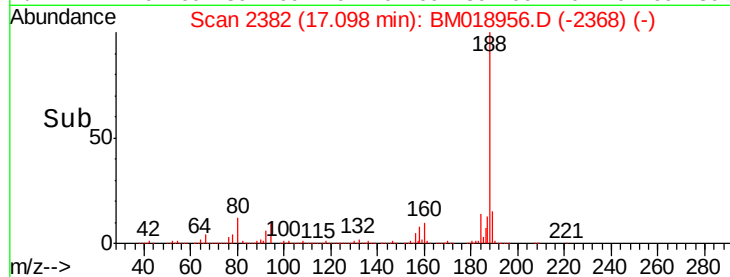
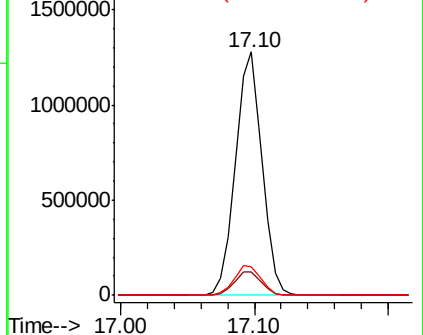
80 11.9 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 18.462 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

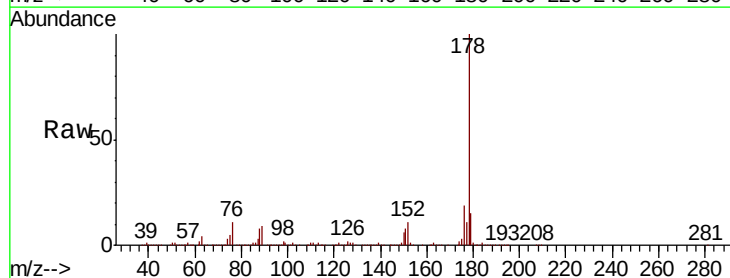
Tgt Ion:178 Resp: 1752473

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

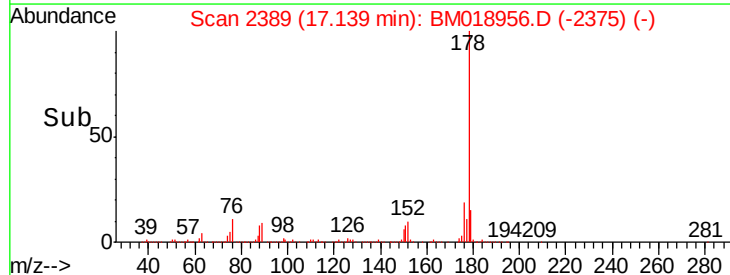
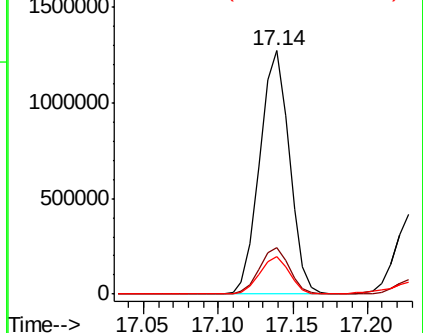
179 15.4 12.3 18.5

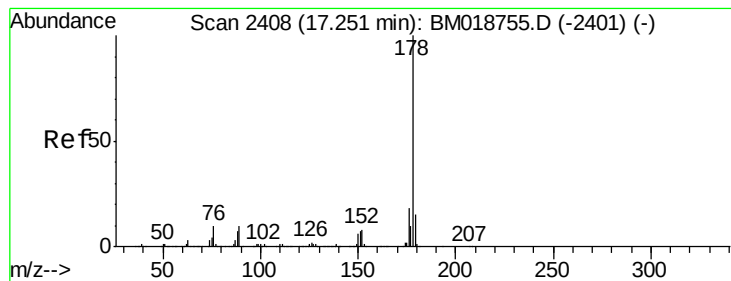


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.173 ng

RT: 17.23 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

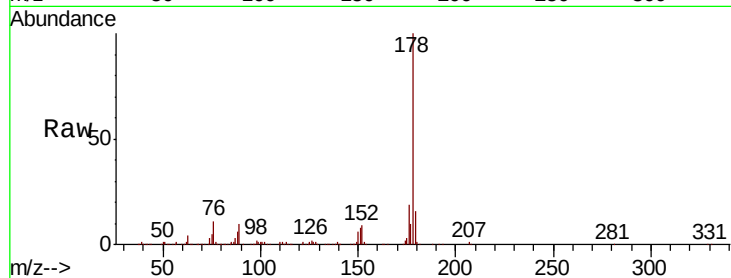
Tgt Ion:178 Resp: 570335

Ion Ratio Lower Upper

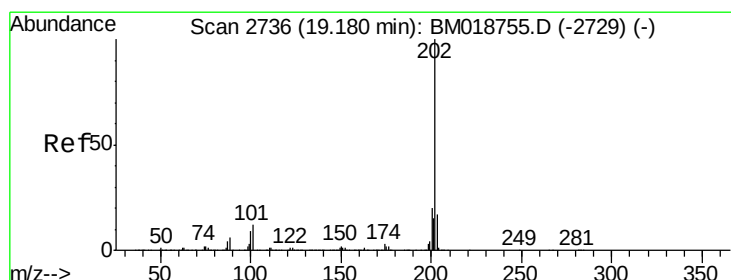
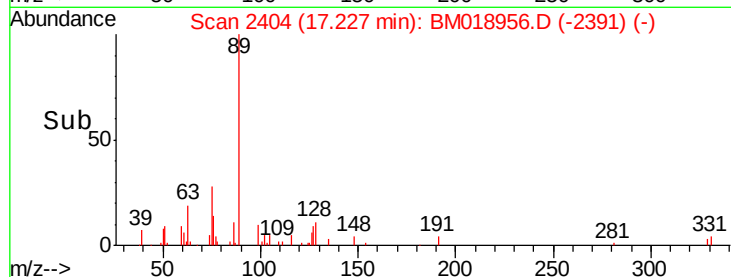
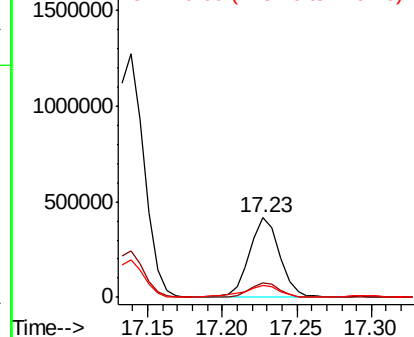
178 100

176 18.8 14.8 22.2

179 15.7 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 28.642 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

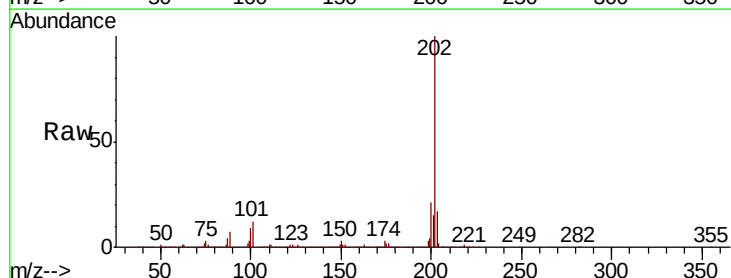
Tgt Ion:202 Resp: 3140517

Ion Ratio Lower Upper

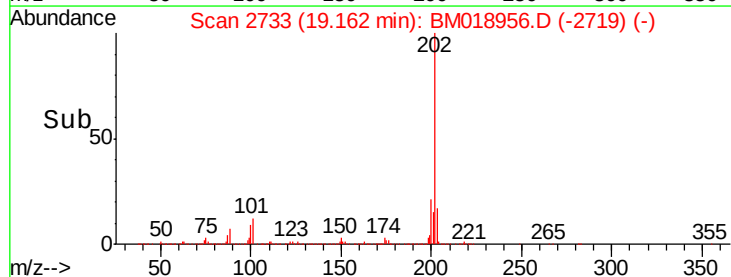
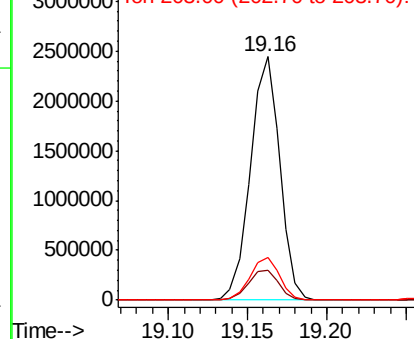
202 100

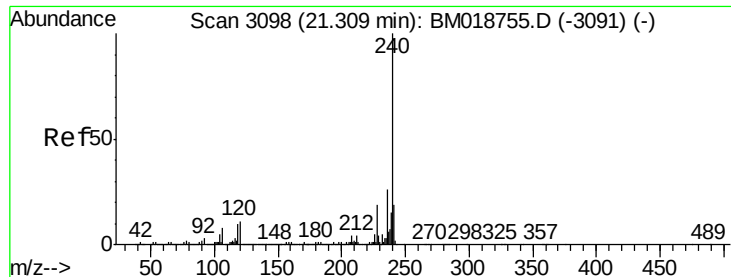
101 12.2 0.0 31.5

203 17.4 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

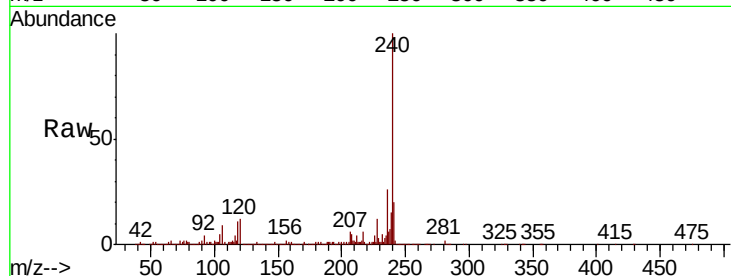
Tgt Ion:240 Resp: 1524944

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

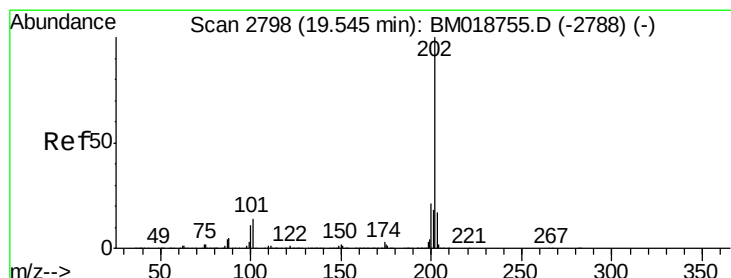
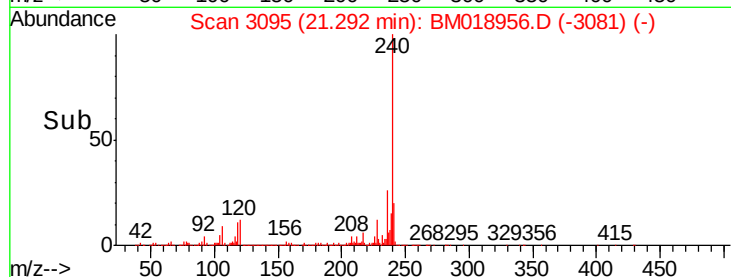
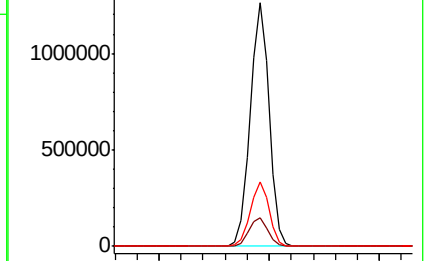
236 26.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 28.618 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

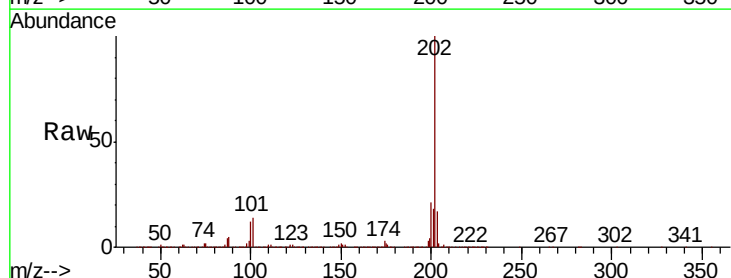
Tgt Ion:202 Resp: 2534651

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

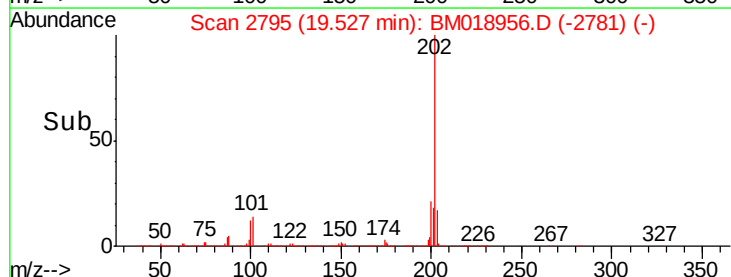
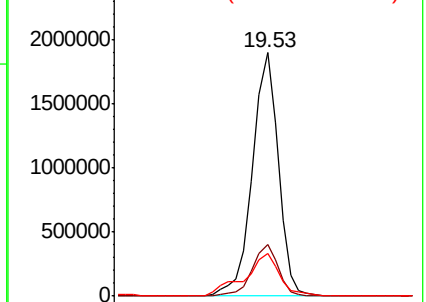
203 17.5 13.8 20.8

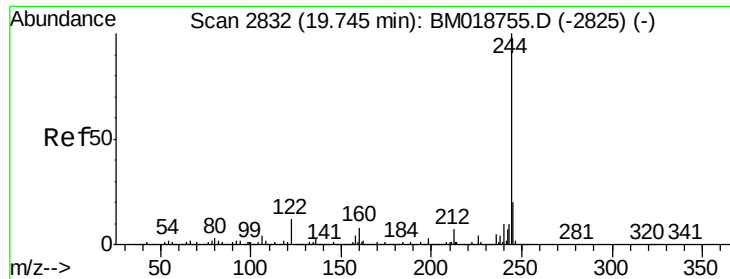


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 109.196 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

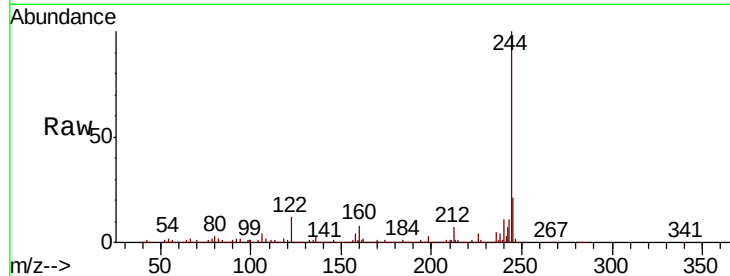
Tgt Ion:244 Resp: 8072071

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

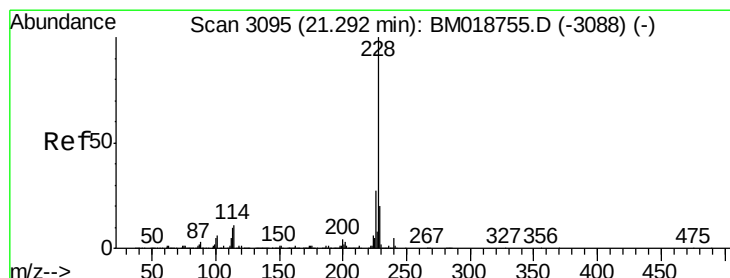
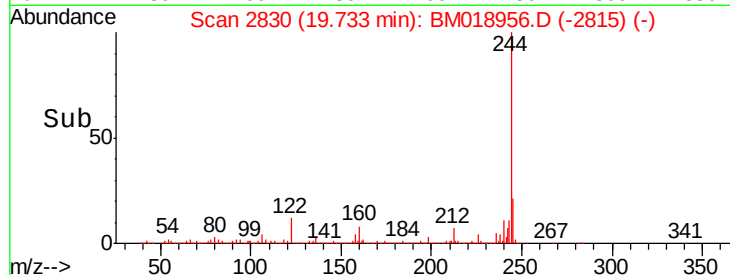
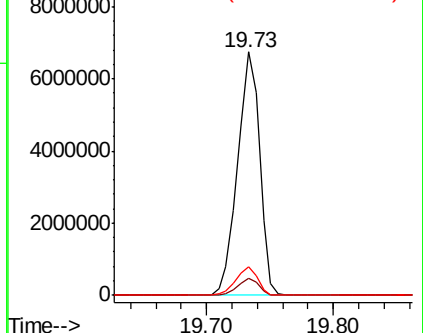
122 12.0 9.3 13.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 13.069 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

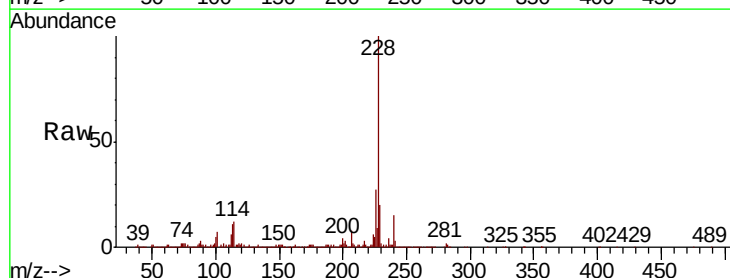
Tgt Ion:228 Resp: 1161751

Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

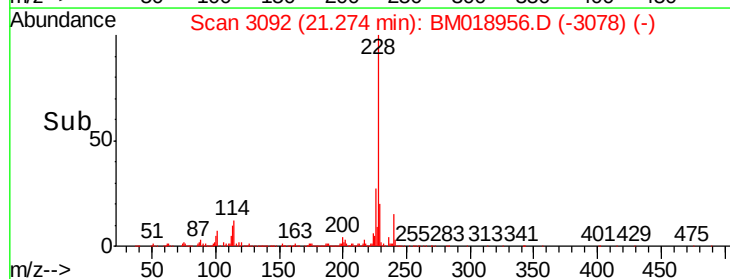
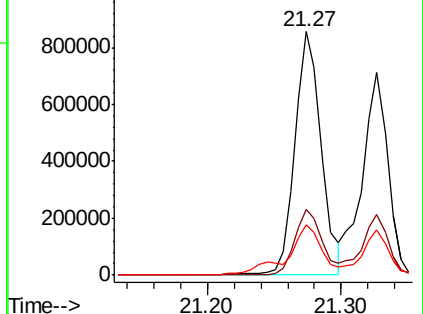
229 20.4 15.9 23.9

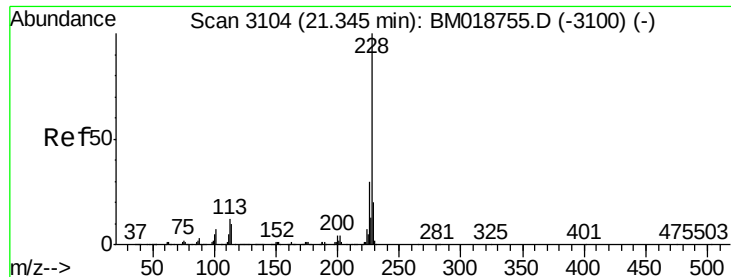


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.975 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

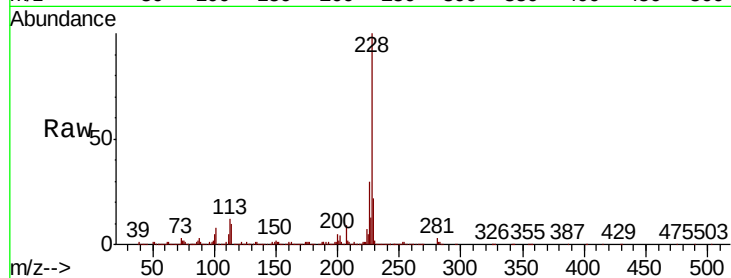
Tgt Ion:228 Resp: 935106

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

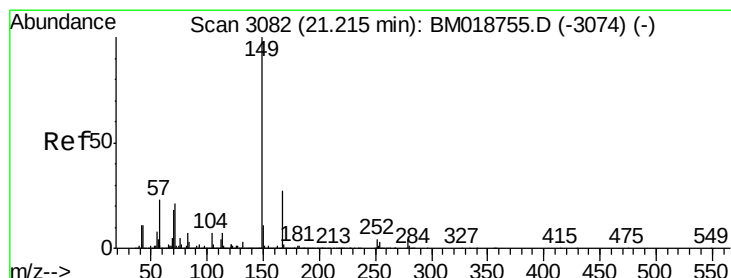
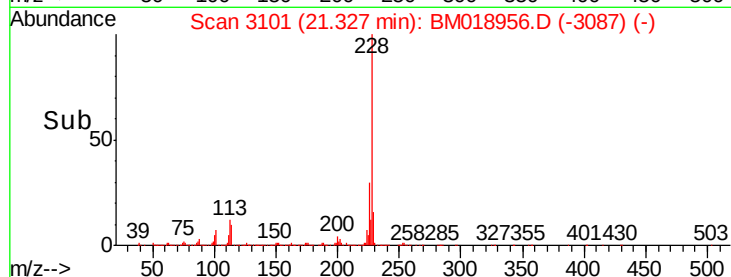
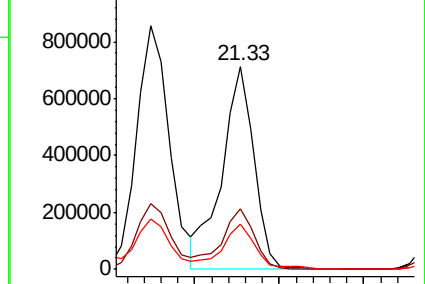
229 22.1 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.716 ng

RT: 21.19 min Scan# 3078

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

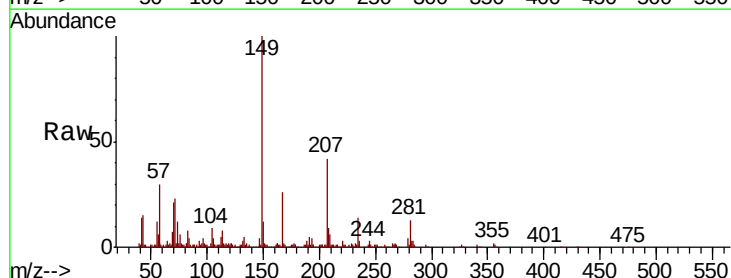
Tgt Ion:149 Resp: 160448

Ion Ratio Lower Upper

149 100

167 26.4 21.8 32.6

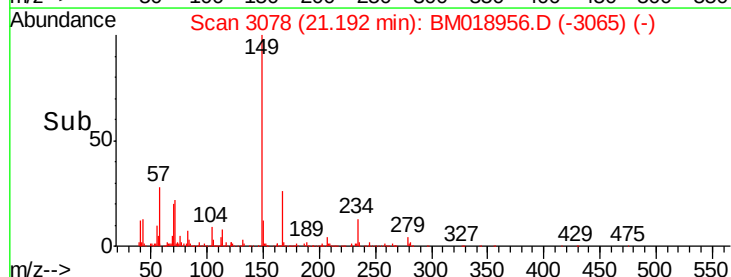
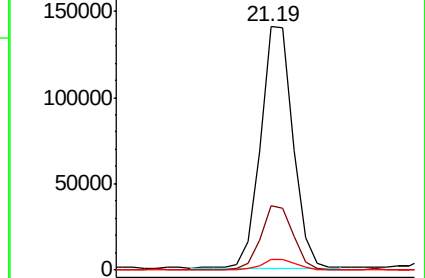
279 4.4 3.6 5.4

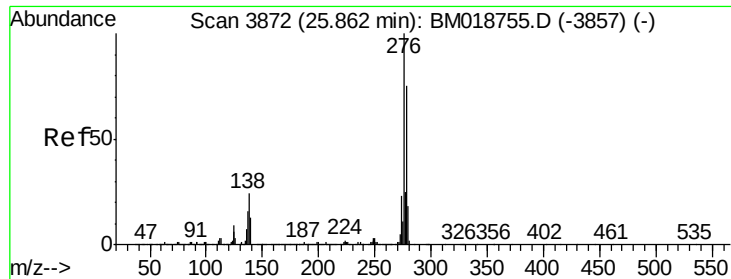


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.467 ng

RT: 25.81 min Scan# 3864

Delta R.T. -0.05 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

Instrument :

BNA_M

ClientSampleId :

SR-11-S

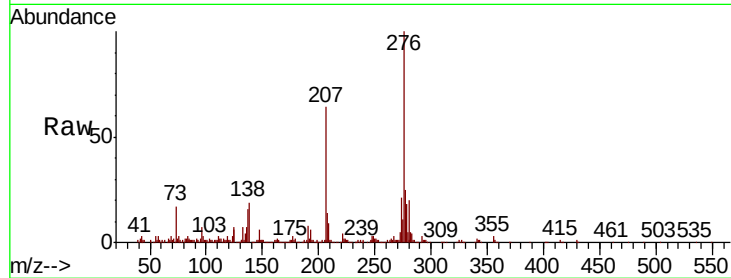
Tgt Ion:276 Resp: 537809

Ion Ratio Lower Upper

276 100

138 21.3 20.2 30.4

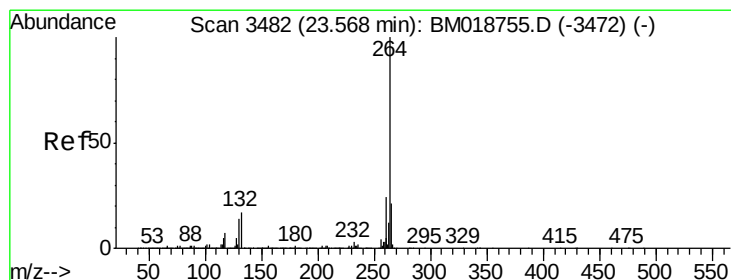
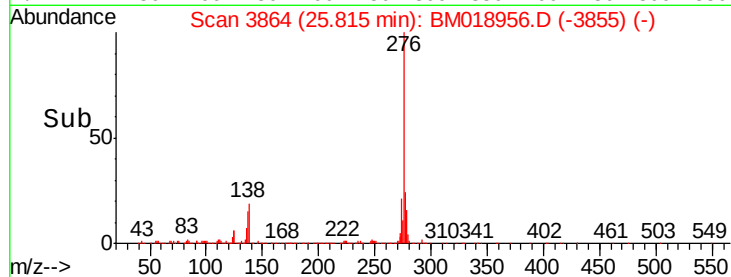
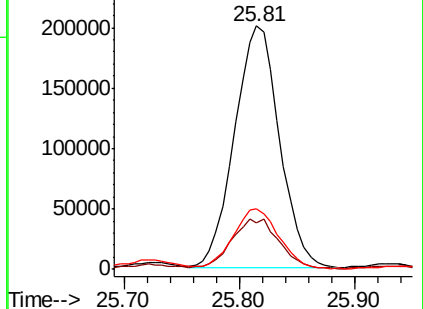
277 25.1 20.3 30.5



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: 23.54 min Scan# 3478

Delta R.T. -0.02 min

Lab File: BM018956.D

Acq: 27 Feb 2019 19:10

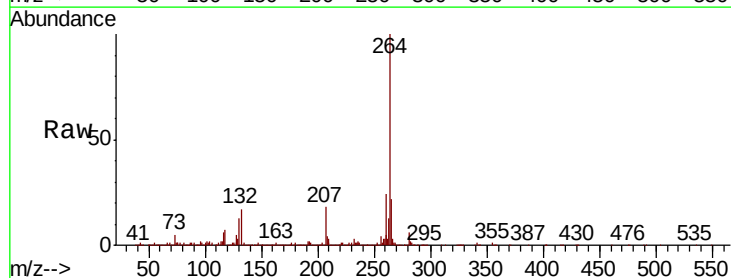
Tgt Ion:264 Resp: 1297061

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

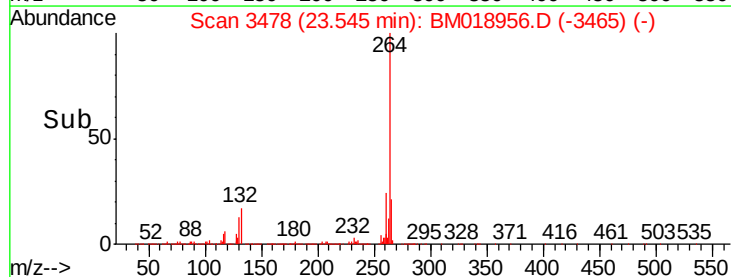
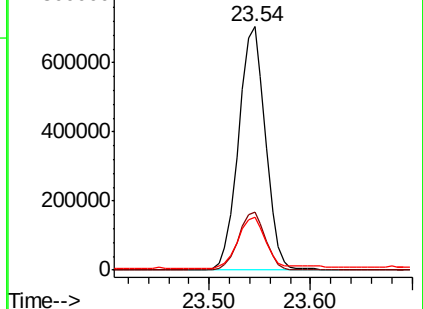
265 21.6 17.3 25.9

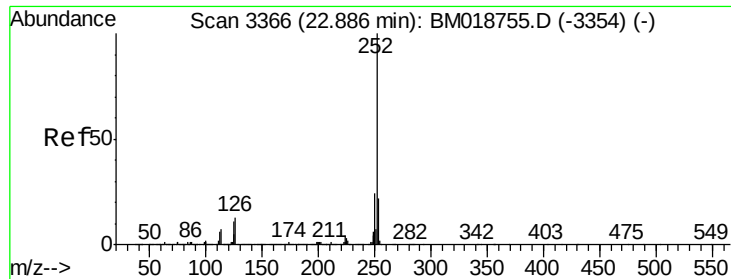


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

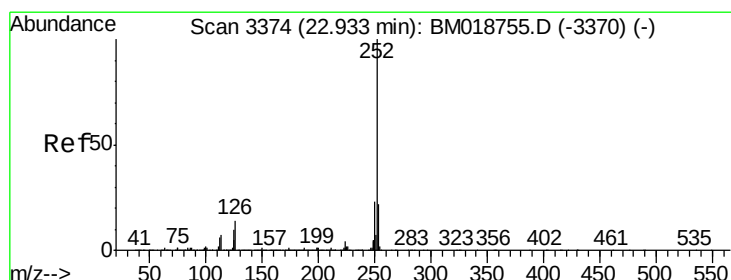
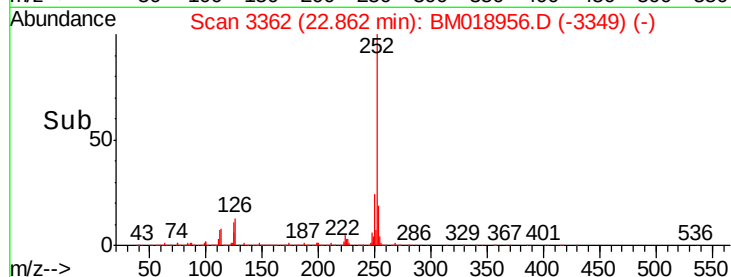
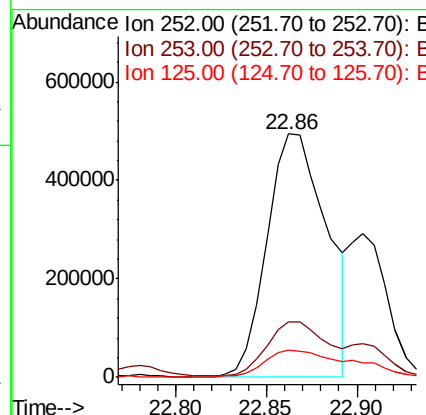
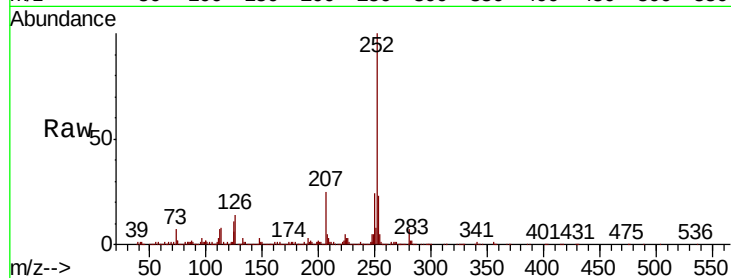




#88
Benzo(b)fluoranthene
Concen: 15.282 ng
RT: 22.86 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

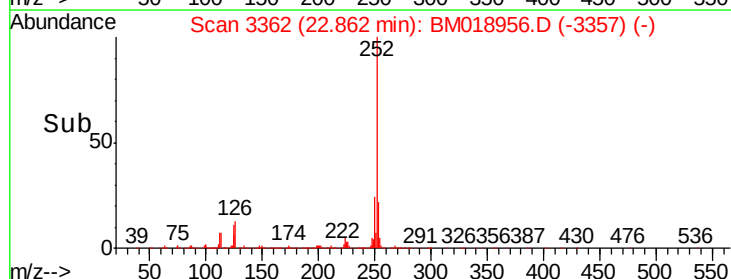
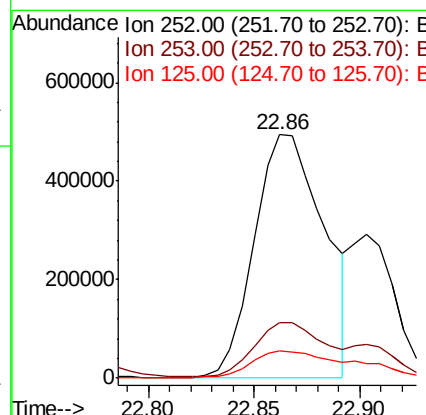
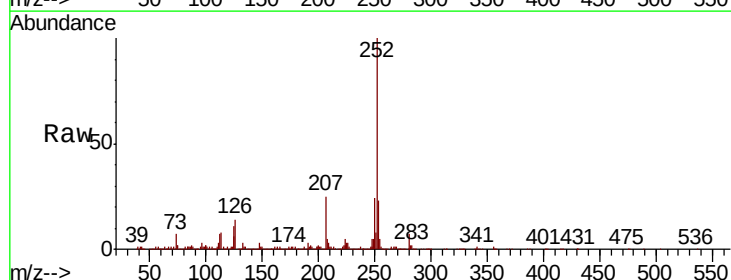
Instrument :
BNA_M
ClientSampleId :
SR-11-S

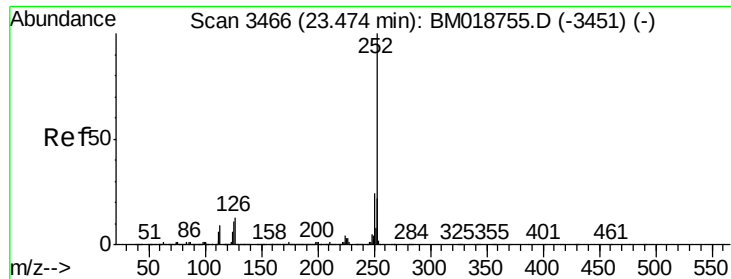
Tgt Ion:252 Resp: 1134071
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.0 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 15.348 ng
RT: 22.86 min Scan# 3362
Delta R.T. -0.07 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Tgt Ion:252 Resp: 1133885
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.0 8.2 12.4

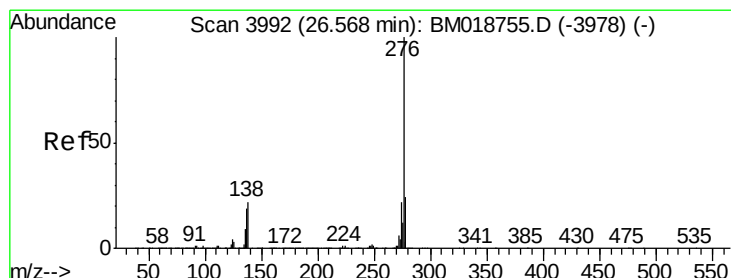
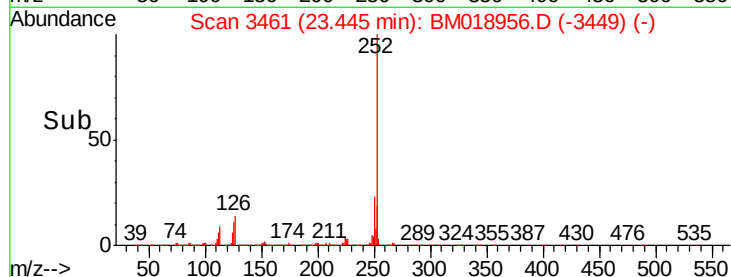
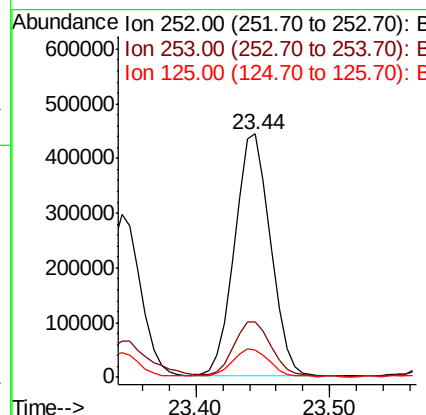
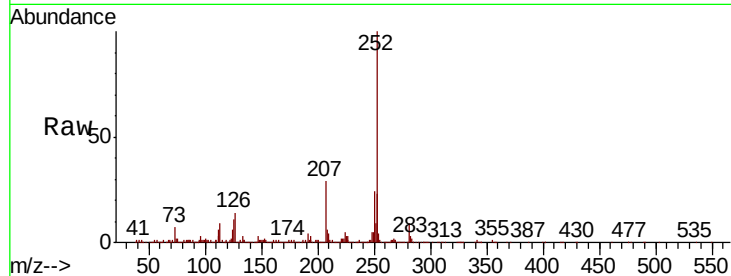




#90
Benzo(a)pyrene
Concen: 11.786 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Instrument :
BNA_M
ClientSampleId :
SR-11-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.4	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 7.812 ng
RT: 26.51 min Scan# 3983
Delta R.T. -0.05 min
Lab File: BM018956.D
Acq: 27 Feb 2019 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	21.9	17.3	25.9

