

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
 Data File : BM018920.D
 Acq On : 25 Feb 2019 19:12
 Operator : JU/SJ
 Sample : K1348-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-A

Quant Time: Feb 25 20:56:15 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	166223	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	700808	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	405601	20.00	ng	-0.02
64) Phenanthrene-d10	17.09	188	950732	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1131567	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1138039	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	528509	52.10	ng	-0.02
7) Phenol-d6	6.86	99	738839	51.70	ng	-0.02
23) Nitrobenzene-d5	8.86	82	466031	30.75	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	291300	49.82	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	839450	27.47	ng	-0.02
79) Terphenyl-d14	19.73	244	1379623	25.15	ng	-0.02

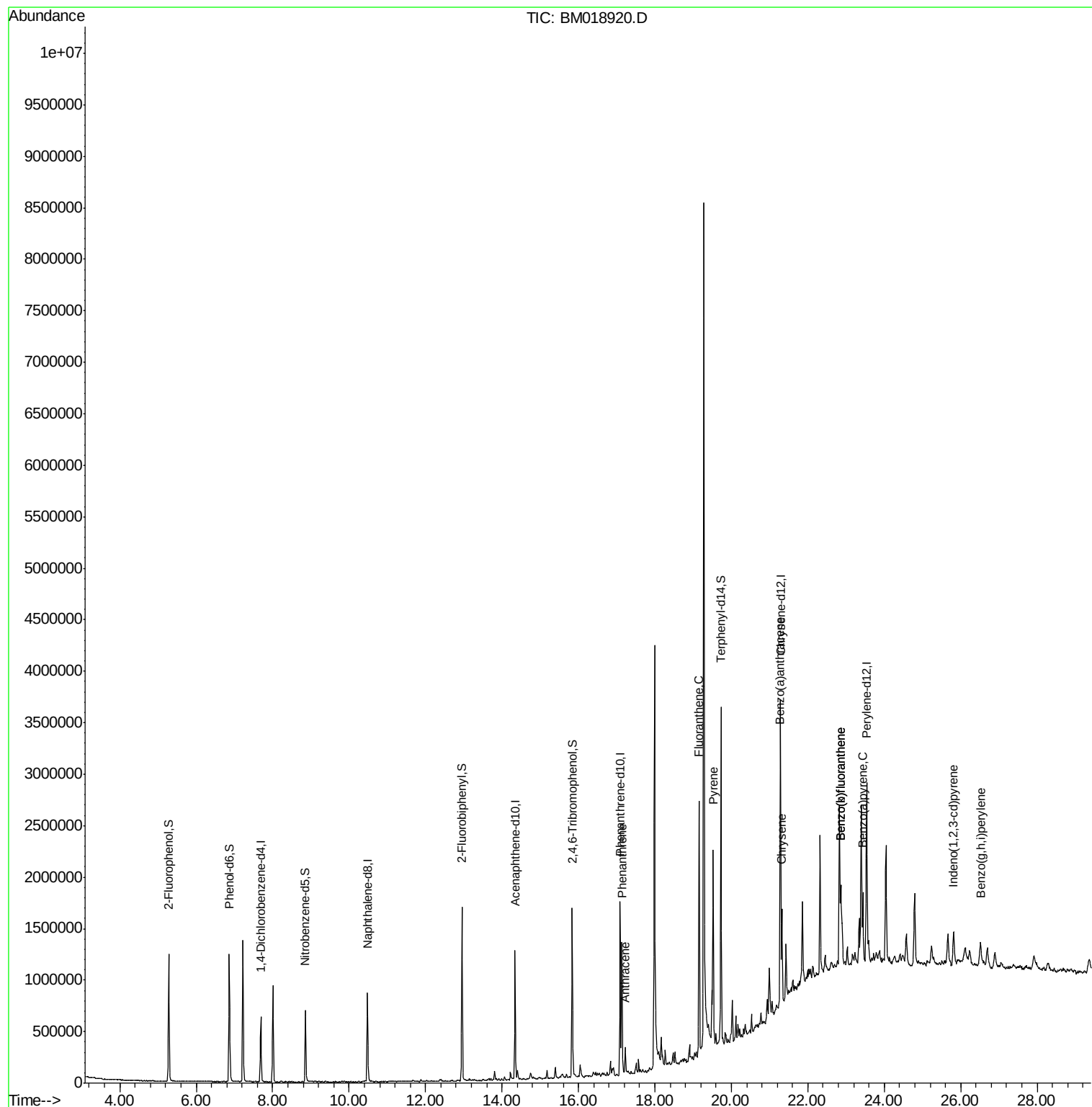
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.87	77	4359	Below Cal		# 7
71) Phenanthrene	17.14	178	752854	14.735	ng	99
72) Anthracene	17.23	178	153120	3.079	ng	97
75) Fluoranthene	19.16	202	1288482	21.831	ng	98
78) Pyrene	19.52	202	1049516	15.969	ng	99
81) Benzo(a)anthracene	21.27	228	581366	8.814	ng	99
83) Chrysene	21.33	228	493998	7.814	ng	97
86) Indeno(1,2,3-cd)pyrene	25.81	276	291028	3.987	ng	95
88) Benzo(b)fluoranthene	22.86	252	857789	13.174	ng	98
89) Benzo(k)fluoranthene	22.86	252	856519	13.213	ng	98
90) Benzo(a)pyrene	23.44	252	447690	7.258	ng	# 95
92) Benzo(g,h,i)perylene	26.51	276	280173	4.925	ng	99

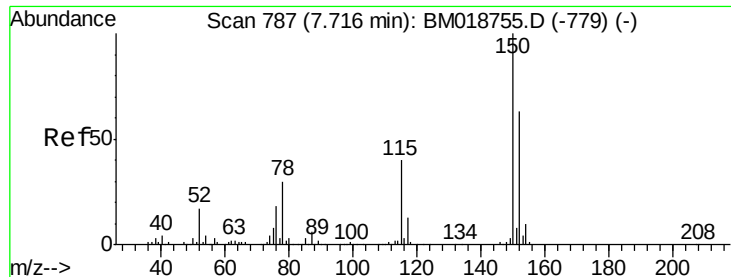
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
Data File : BM018920.D
Acq On : 25 Feb 2019 19:12
Operator : JU/SJ
Sample : K1348-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

Quant Time: Feb 25 20:56:15 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



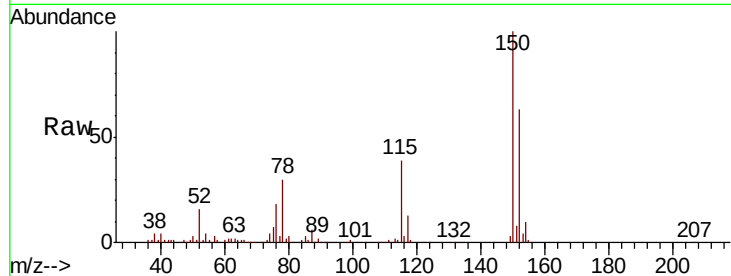


#1

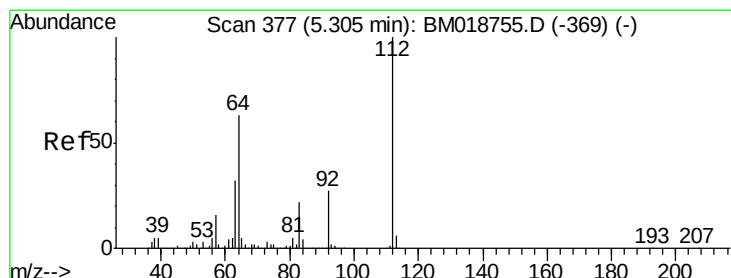
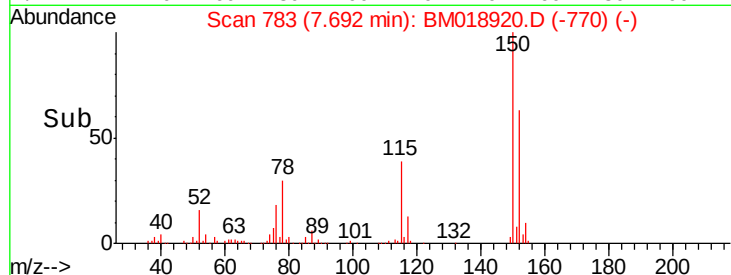
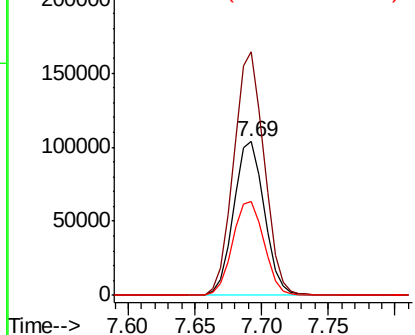
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

Tgt Ion:152 Resp: 166223
Ion Ratio Lower Upper
152 100
150 158.3 127.3 190.9
115 61.3 50.8 76.2



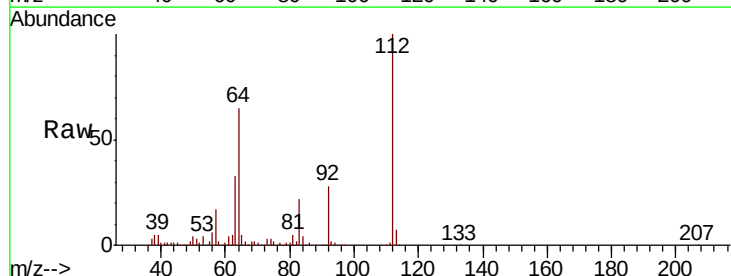
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



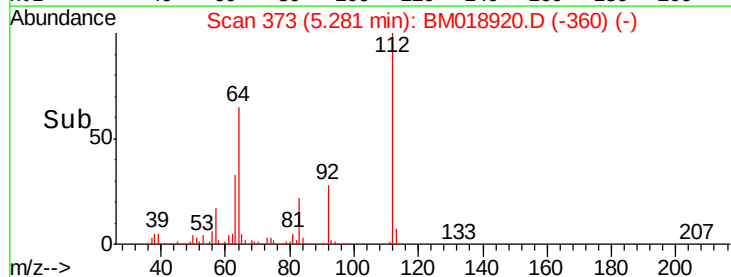
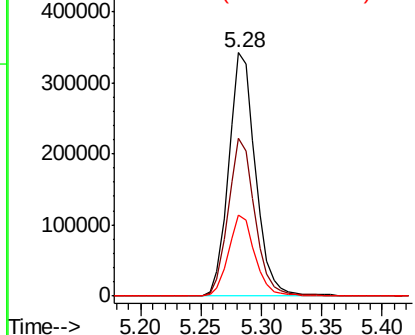
#5

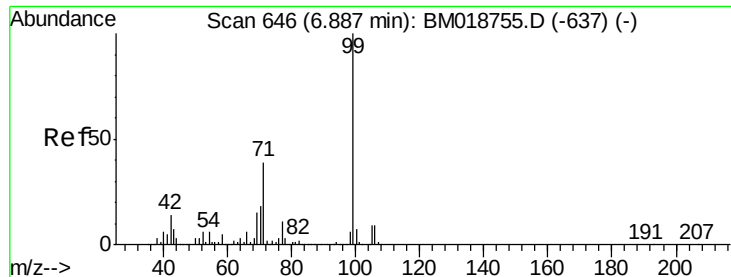
2-Fluorophenol
Concen: 52.096 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion:112 Resp: 528509
Ion Ratio Lower Upper
112 100
64 64.7 50.6 75.8
63 33.0 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: 51.697 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

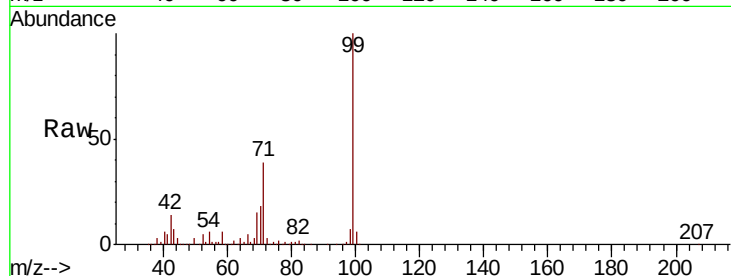
Tgt Ion: 99 Resp: 738839

Ion Ratio Lower Upper

99 100

42 14.0 11.0 16.6

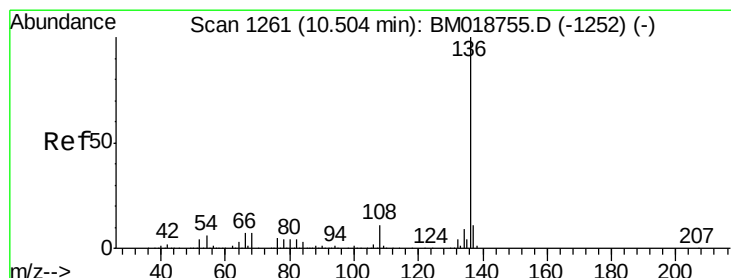
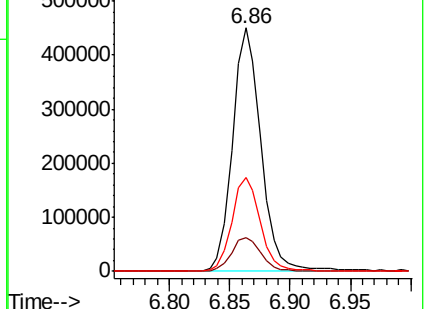
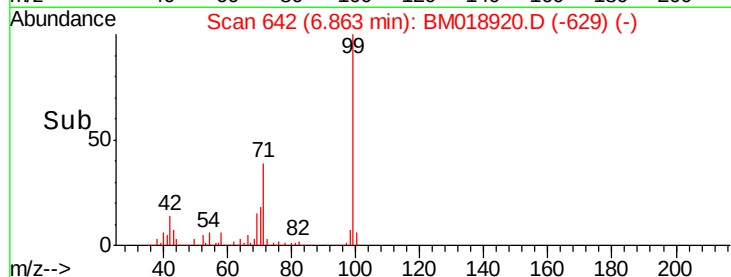
71 38.5 31.3 46.9



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Tgt Ion: 136 Resp: 700808

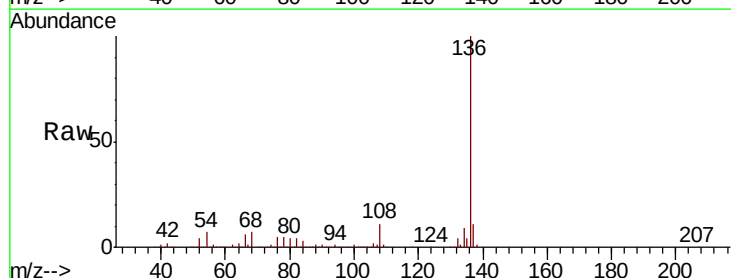
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.9 5.0 7.6

68 7.2 5.5 8.3

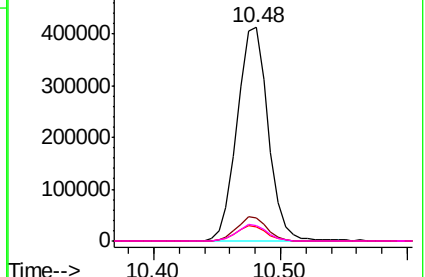
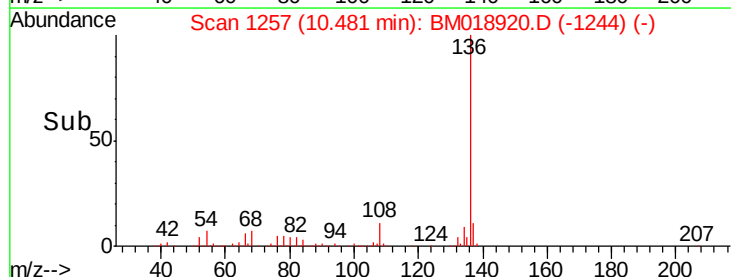


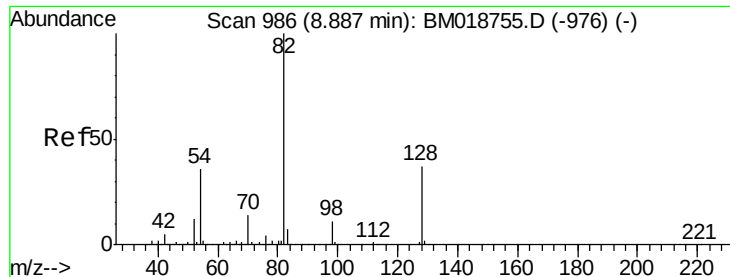
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

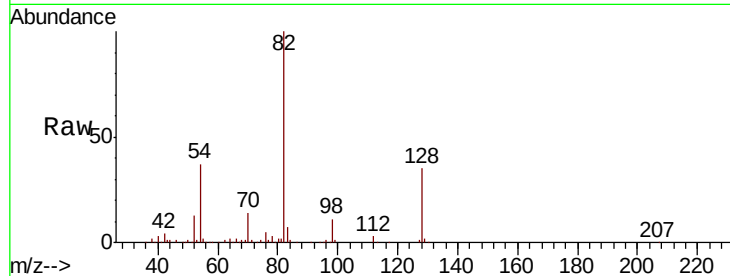




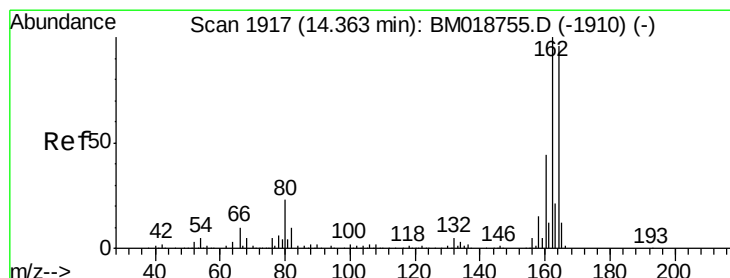
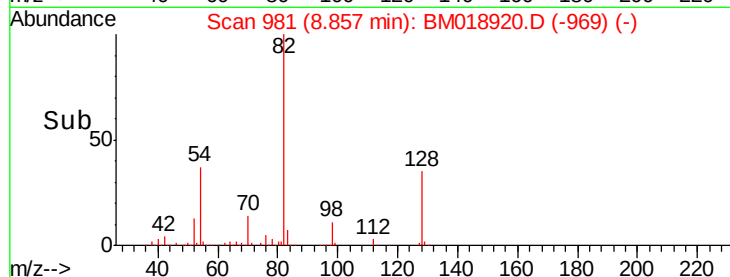
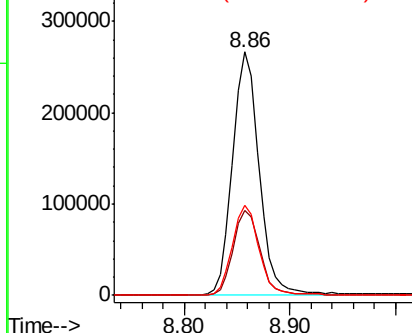
#23
 Nitrobenzene-d5
 Concen: 30.748 ng
 RT: 8.86 min Scan# 981
 Delta R.T. -0.03 min
 Lab File: BM018920.D
 Acq: 25 Feb 2019 19:12

Instrument :
 BNA_M
 ClientSampleId :
 OK-03-022219-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.9	44.9
54	36.8	29.1	43.7

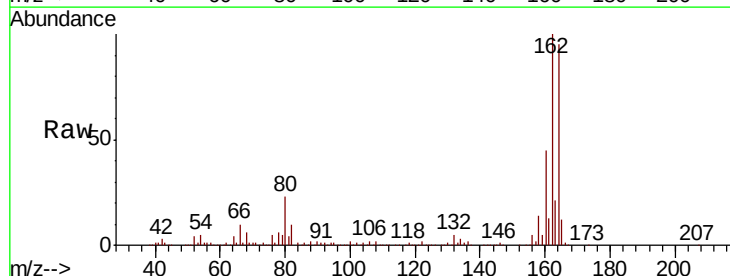


Abundance Ion 82.00 (81.70 to 82.70): BM018920.D (-969) (-)
 Ion 128.00 (127.70 to 128.70): BM018920.D (-969) (-)
 Ion 54.00 (53.70 to 54.70): BM018920.D (-969) (-)

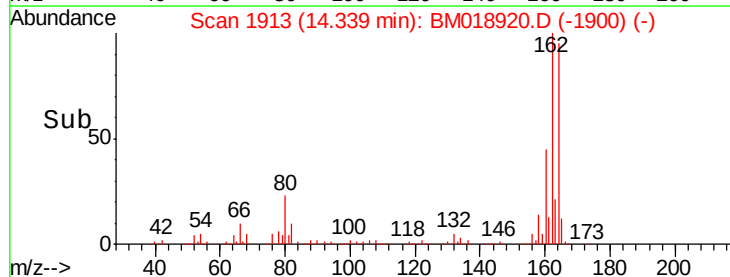
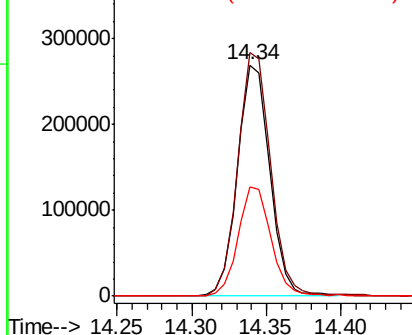


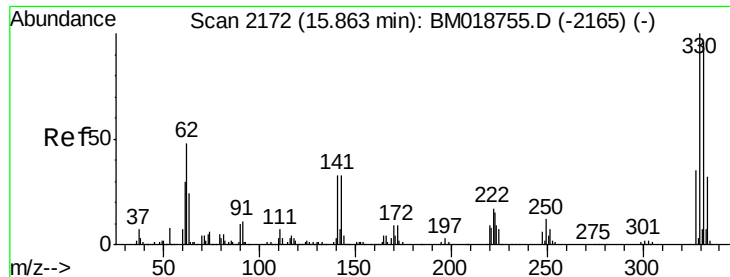
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.34 min Scan# 1913
 Delta R.T. -0.02 min
 Lab File: BM018920.D
 Acq: 25 Feb 2019 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.4	125.0
160	47.4	36.6	55.0



Abundance Ion 164.00 (163.70 to 164.70): BM018920.D (-1900) (-)
 Ion 162.00 (161.70 to 162.70): BM018920.D (-1900) (-)
 Ion 160.00 (159.70 to 160.70): BM018920.D (-1900) (-)





#42

2,4,6-Tribromophenol

Concen: 49.824 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

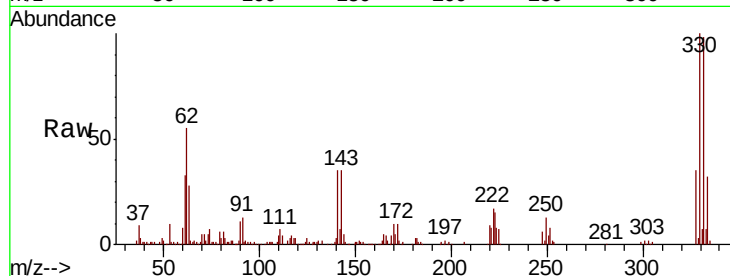
Tgt Ion:330 Resp: 291300

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

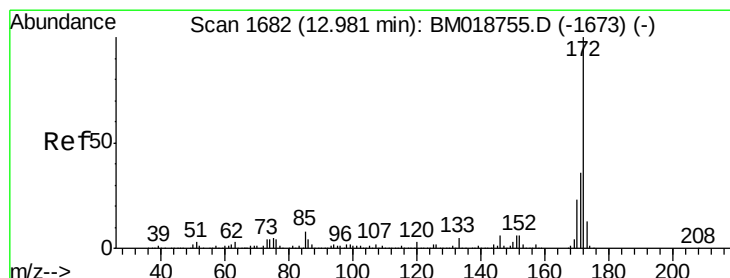
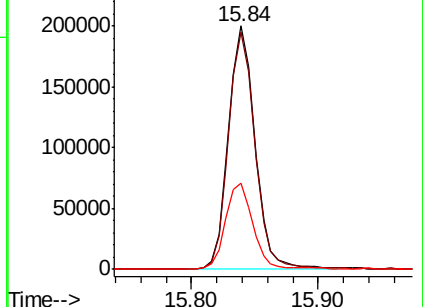
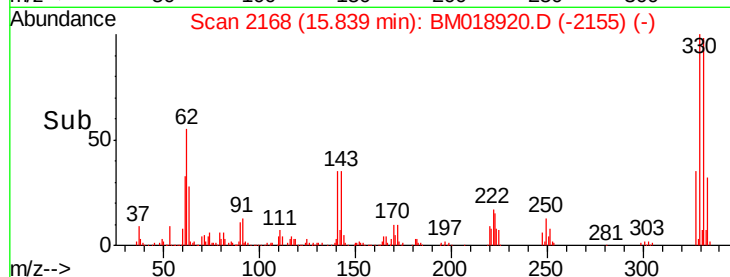
141 37.3 28.7 43.1



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: 27.474 ng

RT: 12.96 min Scan# 1678

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

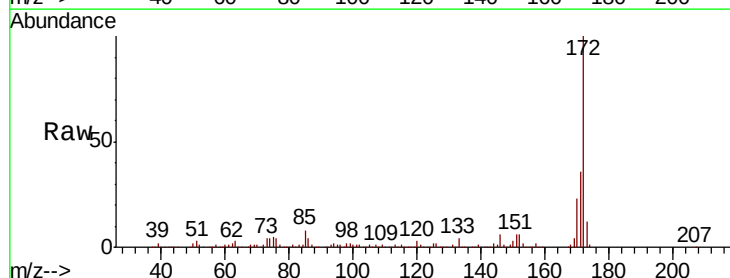
Tgt Ion:172 Resp: 839450

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

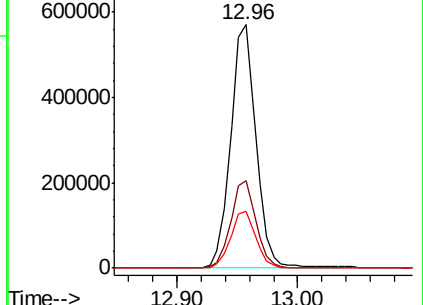
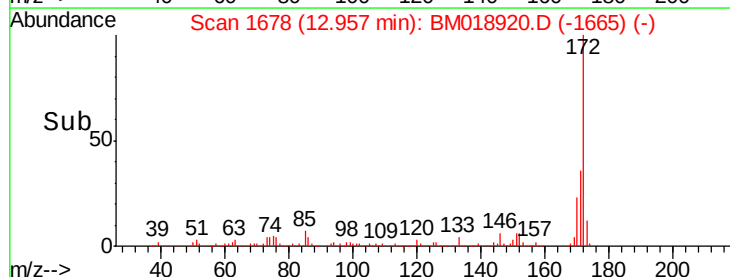
170 23.4 18.6 28.0

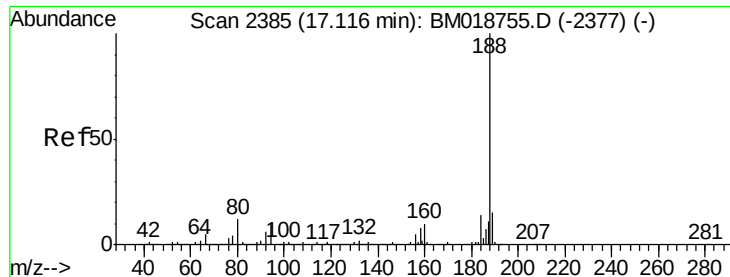


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

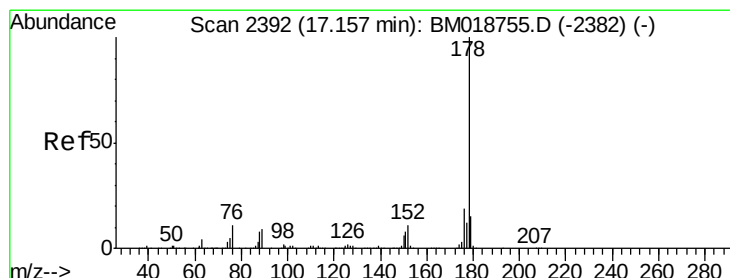
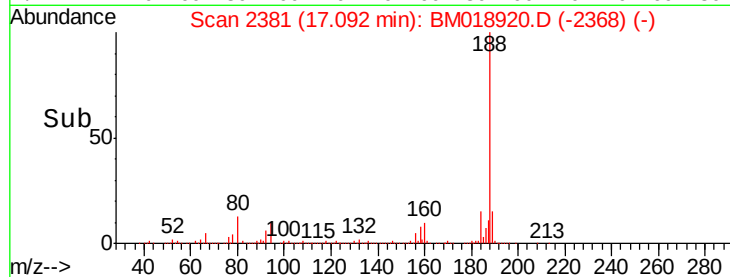
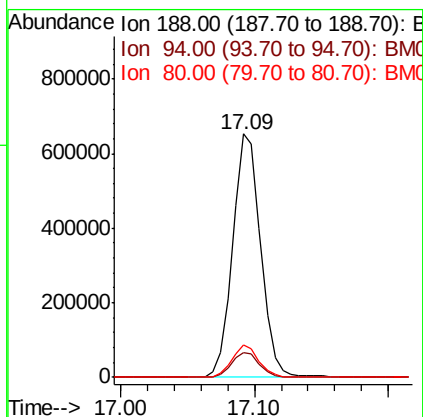
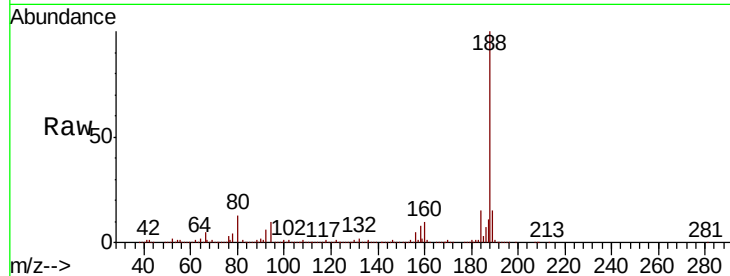




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.09 min Scan# 2381
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

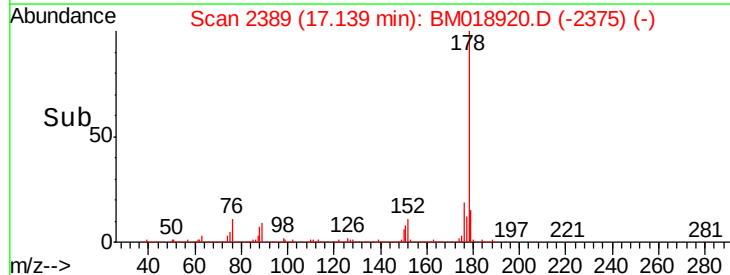
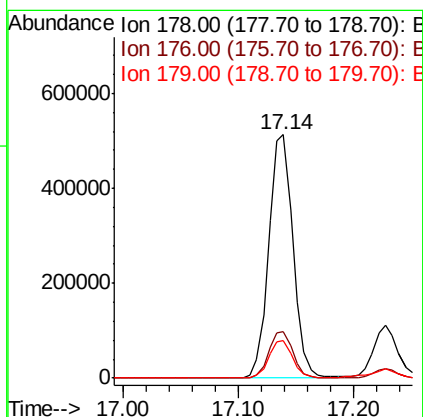
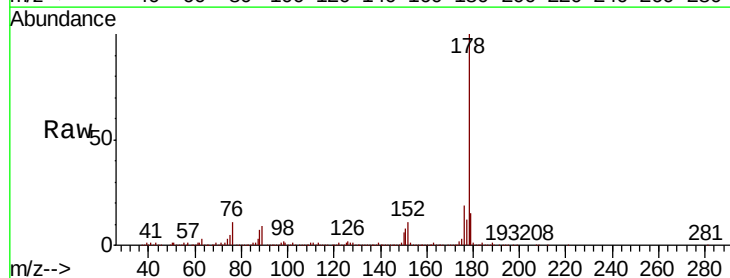
Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

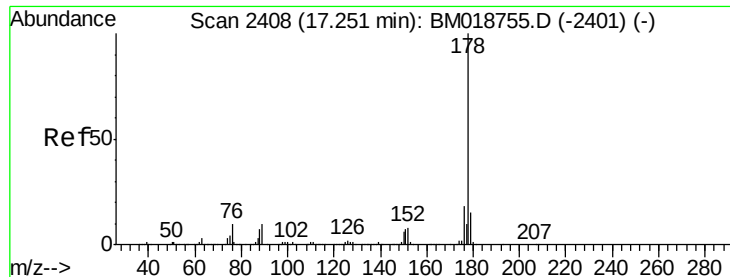
Tgt Ion:188 Resp: 950732
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 13.1 9.7 14.5



#71
Phenanthrene
Concen: 14.735 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion:178 Resp: 752854
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5





#72

Anthracene

Concen: 3.079 ng

RT: 17.23 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

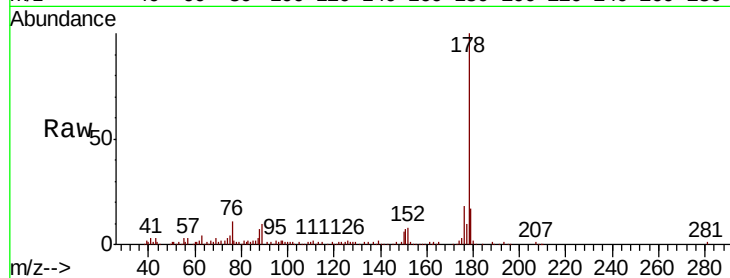
Tgt Ion:178 Resp: 153120

Ion Ratio Lower Upper

178 100

176 17.8 14.8 22.2

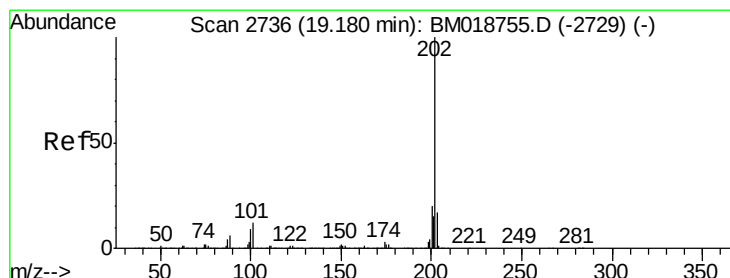
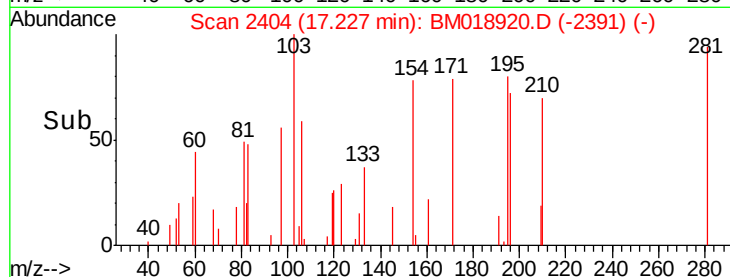
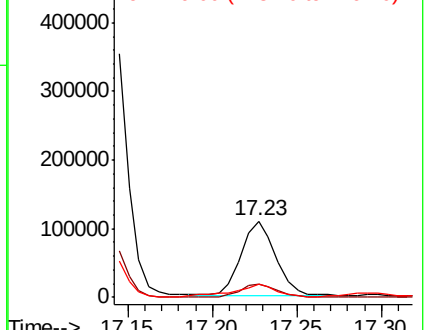
179 17.0 12.1 18.1



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: 21.831 ng

RT: 19.16 min Scan# 2732

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

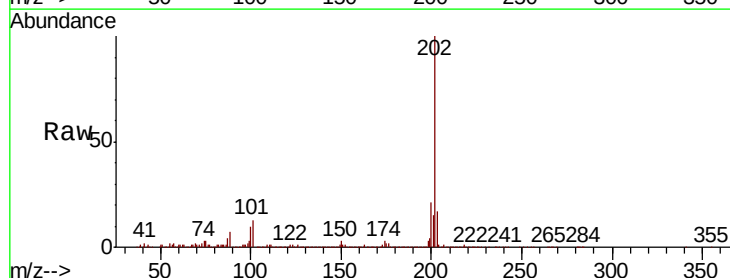
Tgt Ion:202 Resp: 1288482

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.5

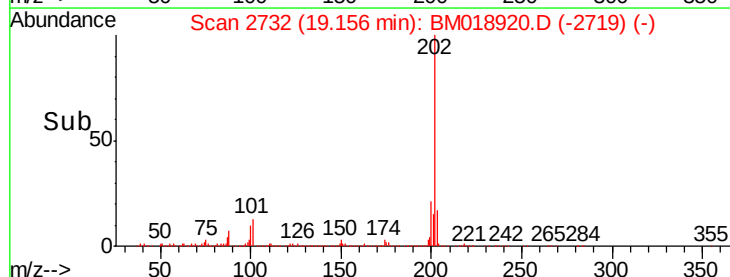
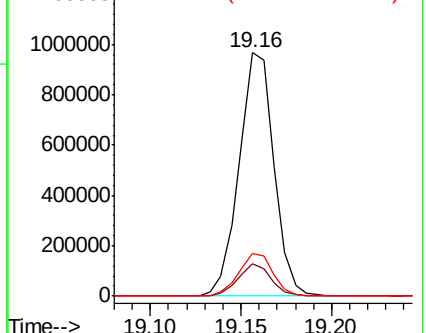
203 17.4 0.0 37.3

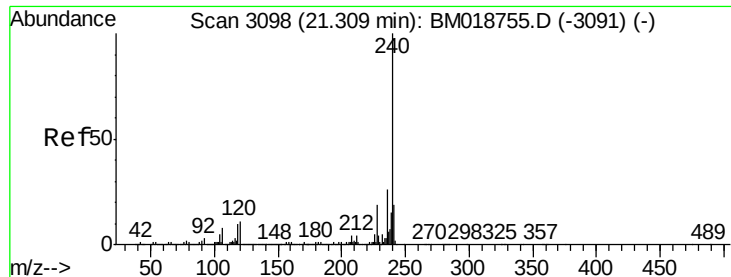


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

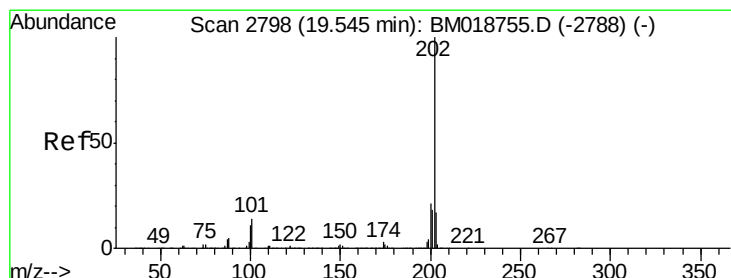
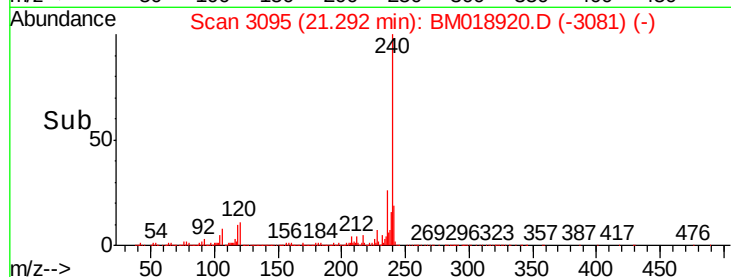
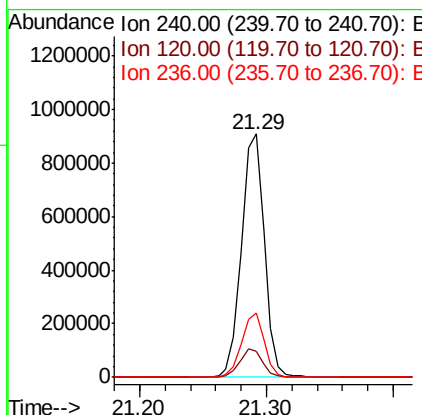
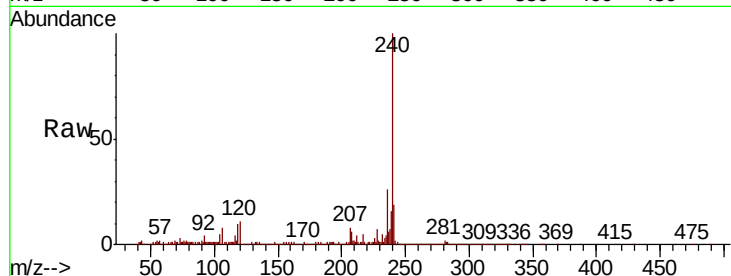




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.29 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

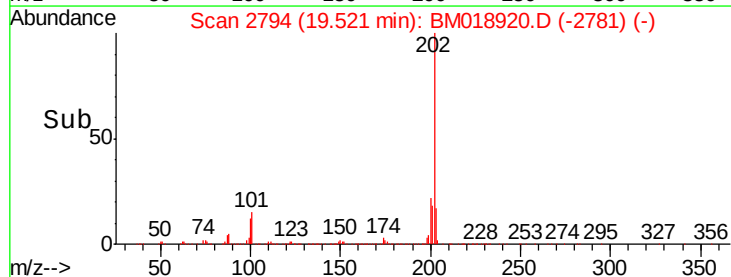
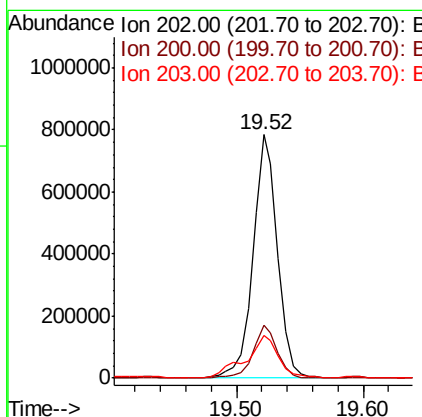
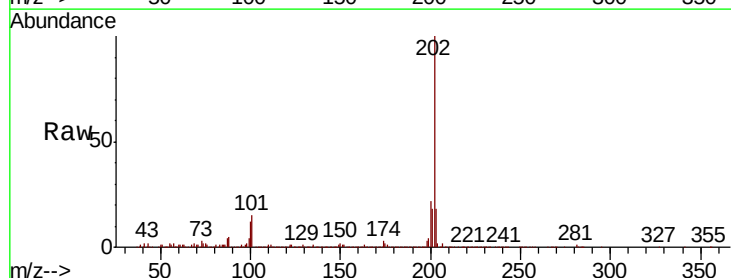
Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

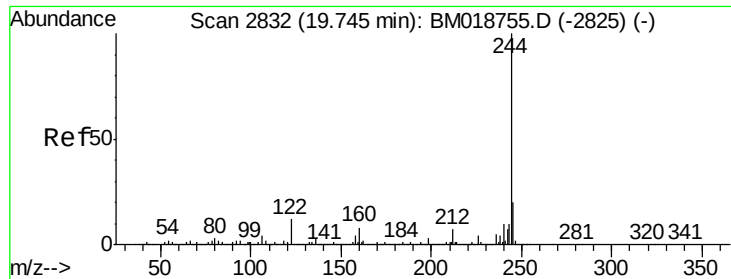
Tgt Ion:240 Resp: 1131567
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.3 20.9 31.3



#78
Pyrene
Concen: 15.969 ng
RT: 19.52 min Scan# 2794
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion:202 Resp: 1049516
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 25.151 ng

RT: 19.73 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

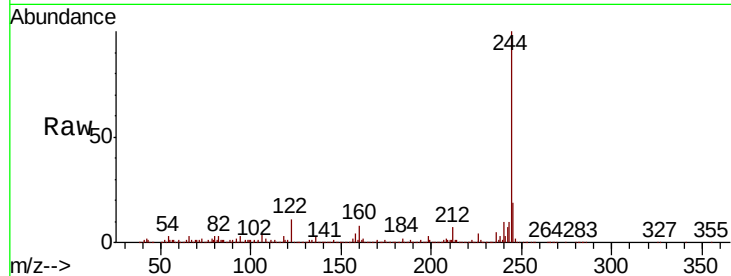
Tgt Ion:244 Resp: 1379623

Ion Ratio Lower Upper

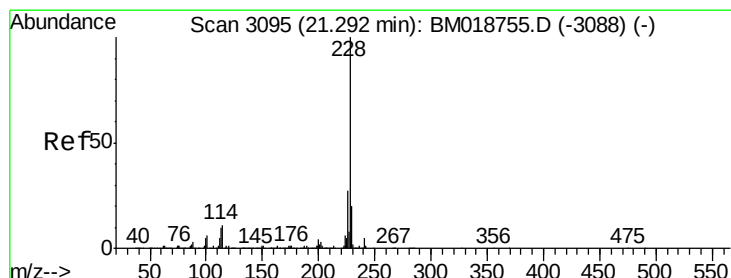
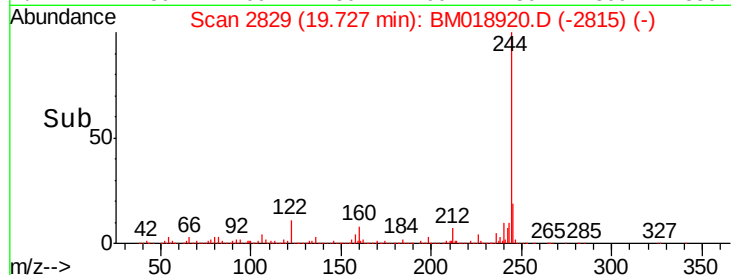
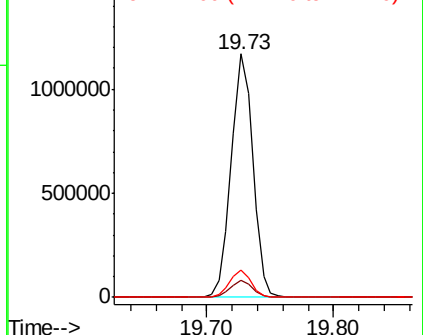
244 100

212 6.8 5.6 8.4

122 11.2 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: 8.814 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

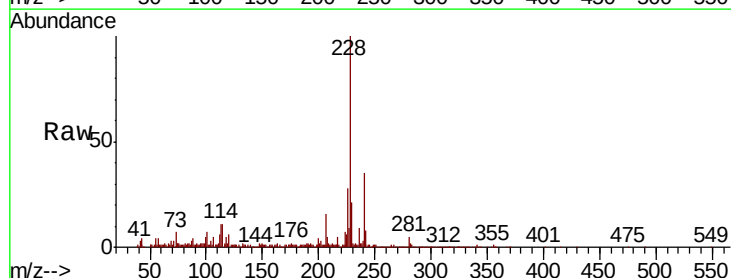
Tgt Ion:228 Resp: 581366

Ion Ratio Lower Upper

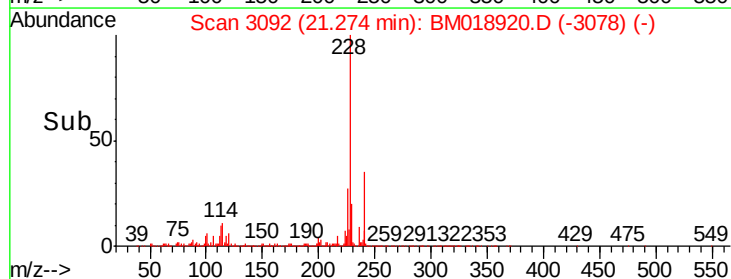
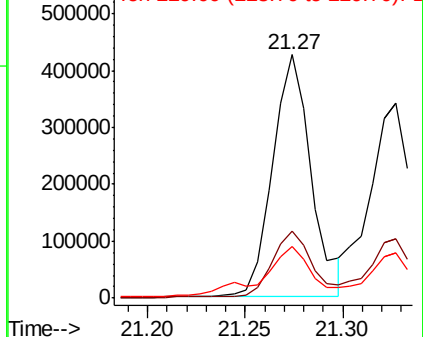
228 100

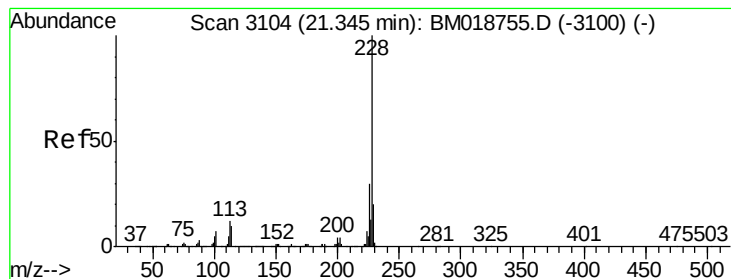
226 27.7 21.9 32.9

229 21.0 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: 7.814 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

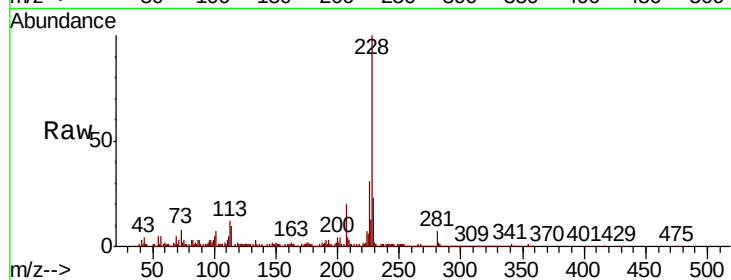
Tgt Ion:228 Resp: 493998

Ion Ratio Lower Upper

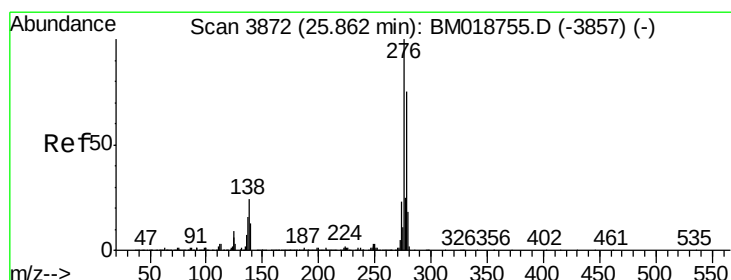
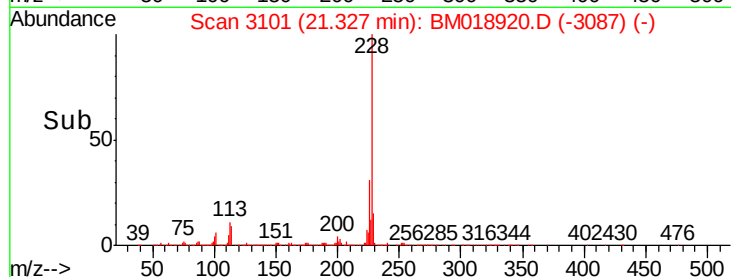
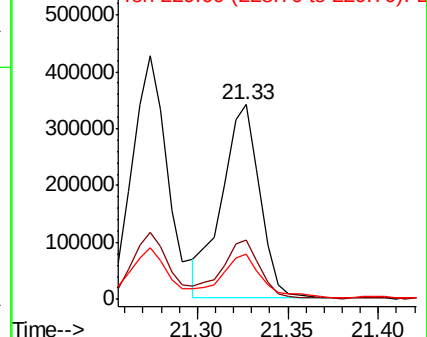
228 100

226 30.8 24.1 36.1

229 23.1 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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.987 ng

RT: 25.81 min Scan# 3863

Delta R.T. -0.05 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

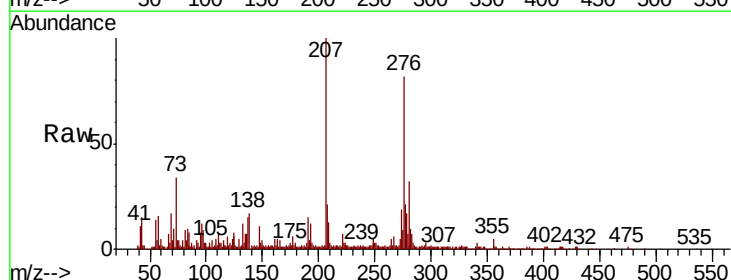
Tgt Ion:276 Resp: 291028

Ion Ratio Lower Upper

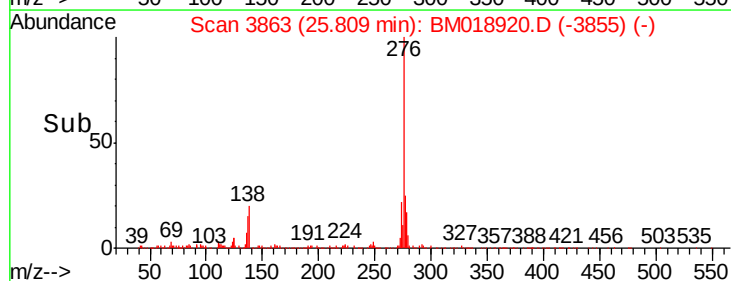
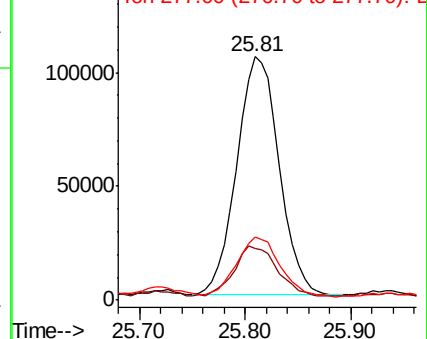
276 100

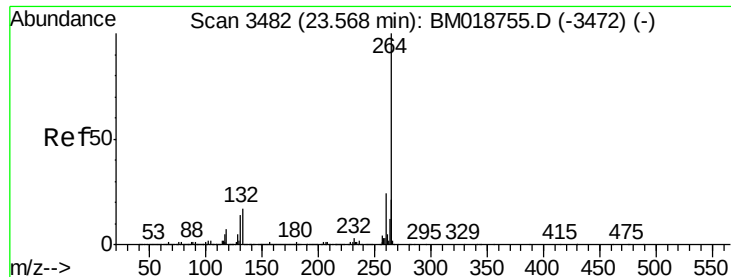
138 21.3 20.2 30.4

277 25.9 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



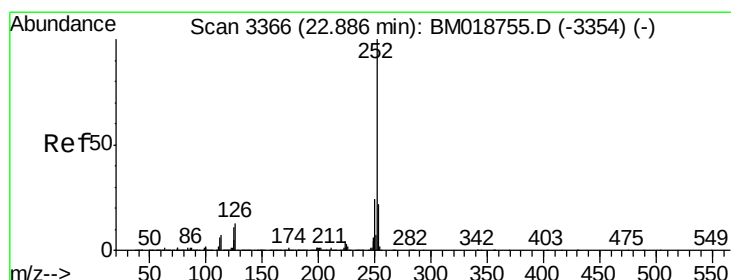
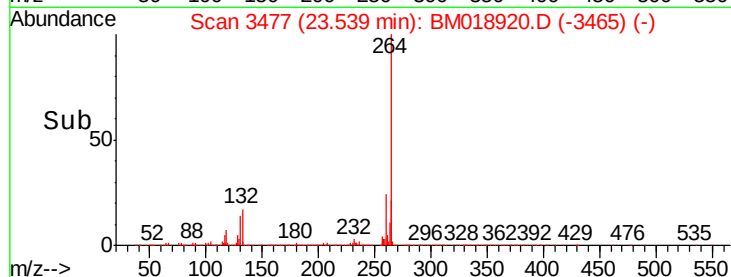
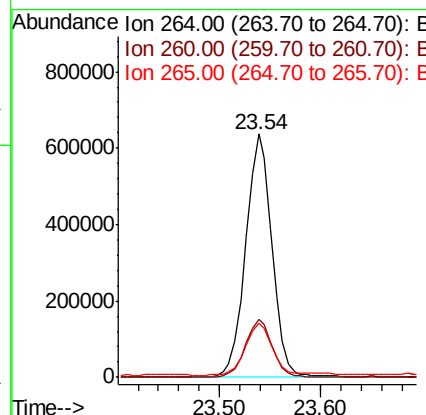
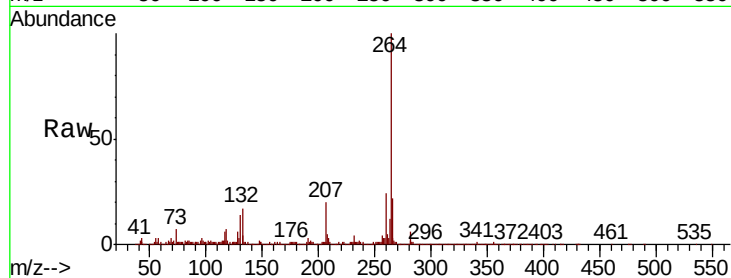


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3477
Delta R.T. -0.03 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-A

Tgt Ion:264 Resp: 1138039

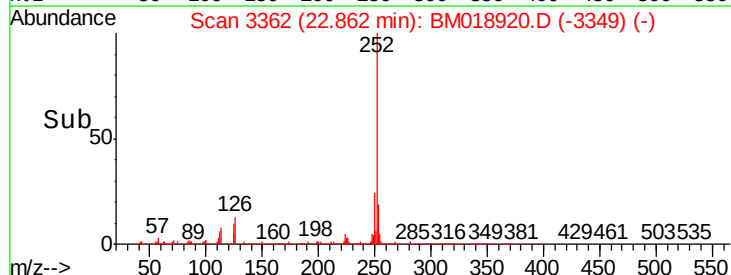
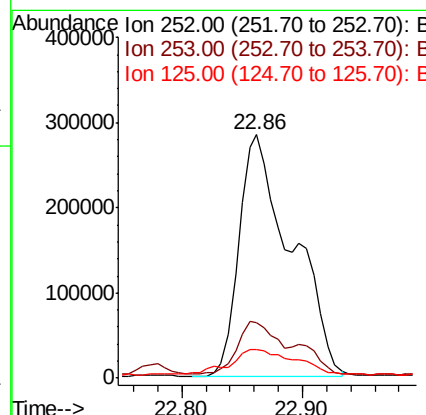
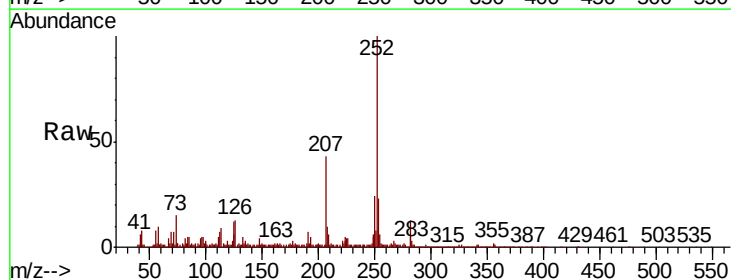
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.4	17.3	25.9

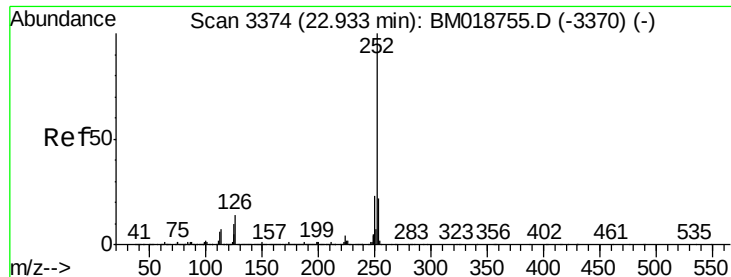


#88
Benzo(b)fluoranthene
Concen: 13.174 ng
RT: 22.86 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BM018920.D
Acq: 25 Feb 2019 19:12

Tgt Ion:252 Resp: 857789

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.8	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 13.213 ng

RT: 22.86 min Scan# 3362

Delta R.T. -0.07 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

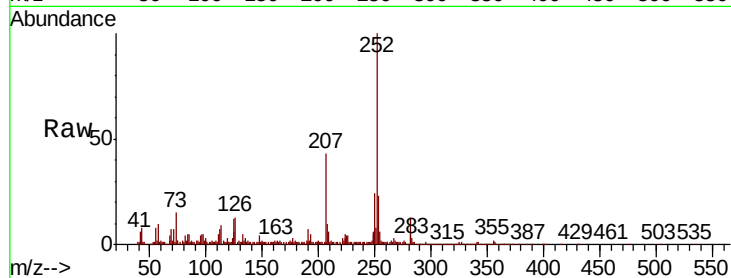
Tgt Ion:252 Resp: 856519

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.8 8.2 12.4

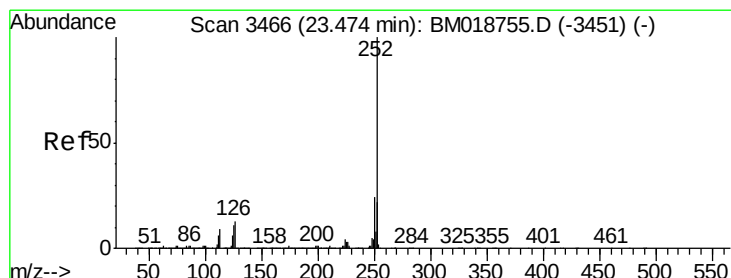
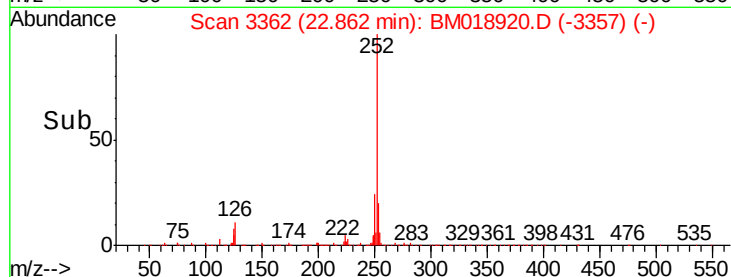
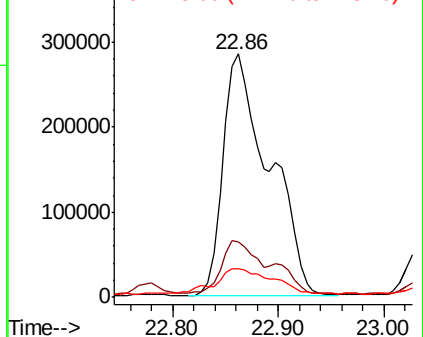


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.258 ng

RT: 23.44 min Scan# 3460

Delta R.T. -0.04 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

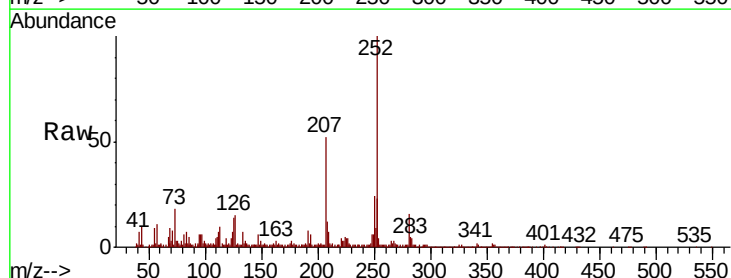
Tgt Ion:252 Resp: 447690

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 13.6 8.6 13.0#

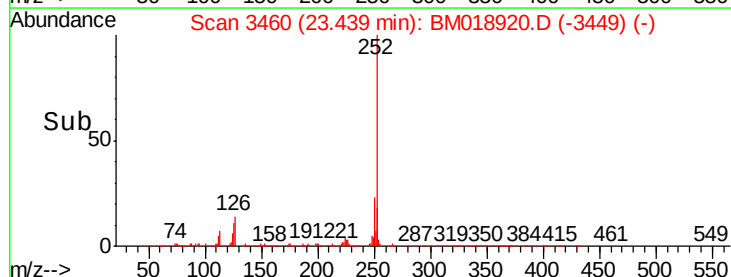
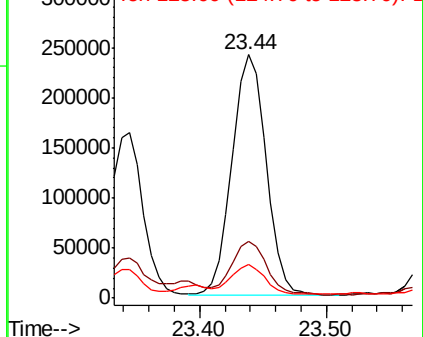


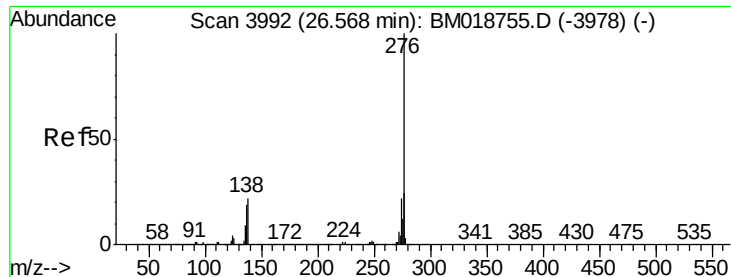
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 4.925 ng

RT: 26.51 min Scan# 3983

Delta R.T. -0.05 min

Lab File: BM018920.D

Acq: 25 Feb 2019 19:12

Instrument :

BNA_M

ClientSampleId :

OK-03-022219-A

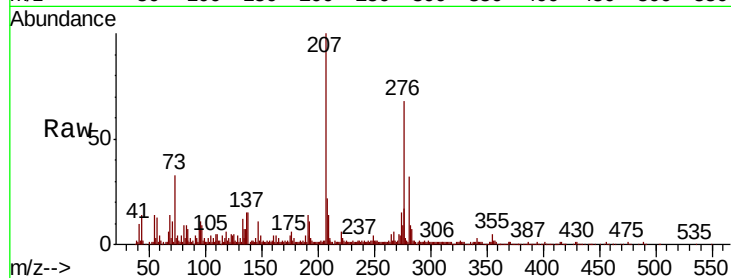
Tgt Ion: 276 Resp: 280173

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 21.5 17.3 25.9



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

