

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
 Data File : BM018480.D
 Acq On : 09 Jan 2019 19:30
 Operator : JU/SJ
 Sample : K1006-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JC-03-010819-I

Quant Time: Jan 10 05:39:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 12:39:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	592363	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	2500161	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1462515	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3458768	20.00	ng	0.00
76) Chrysene-d12	21.36	240	2928126	20.00	ng	0.00
87) Perylene-d12	23.65	264	2677589	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1498131	46.70	ng	0.00
7) Phenol-d6	6.93	99	1966842	48.27	ng	0.00
23) Nitrobenzene-d5	8.92	82	1198628	27.79	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	848314	45.55	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	2831950	25.27	ng	0.00
79) Terphenyl-d14	19.80	244	4377865	31.52	ng	0.01

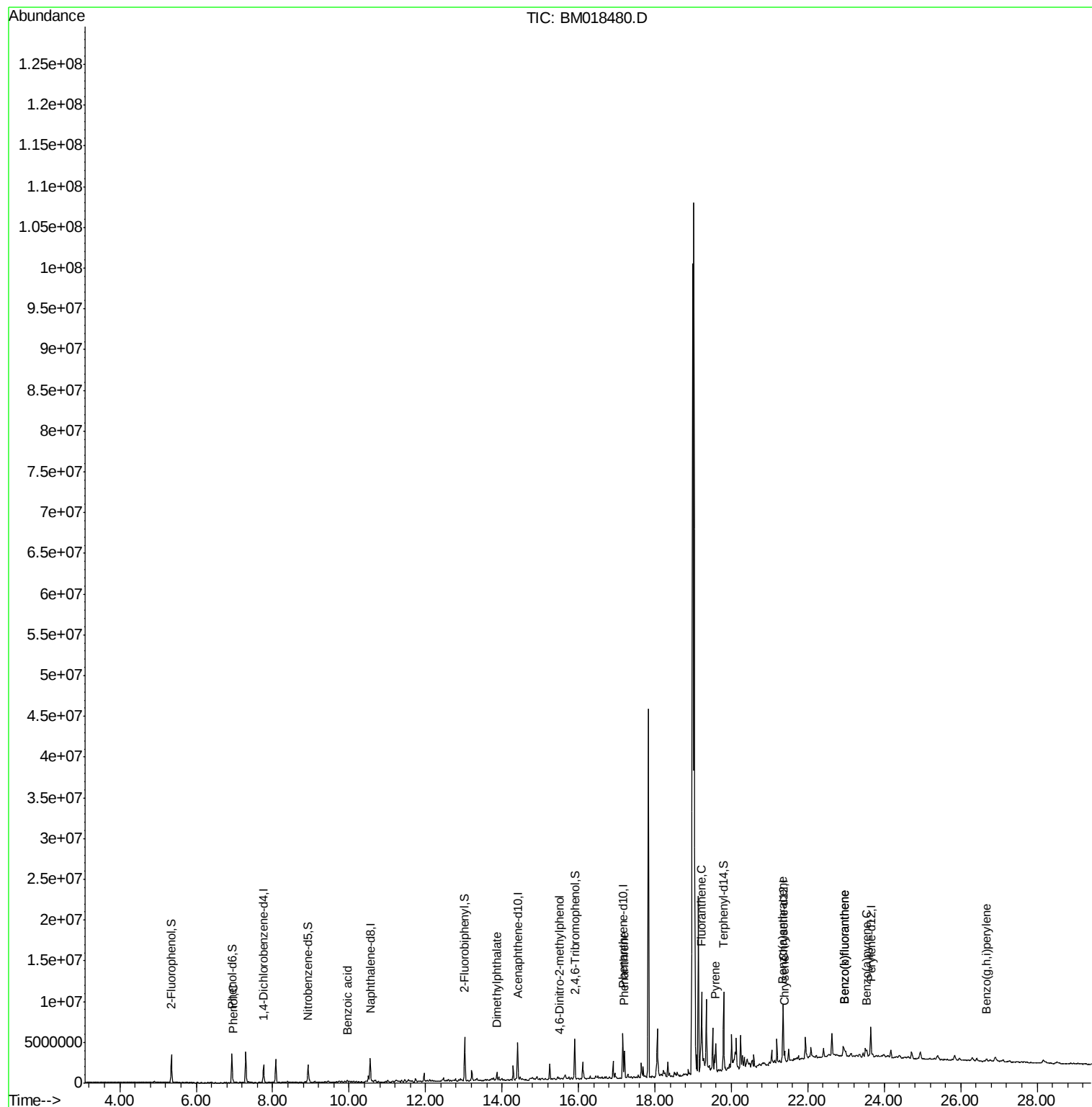
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.96	94	88915	2.147	ng	94
32) Benzoic acid	9.96	122	111	6.507	ng	# 1
50) Dimethylphthalate	13.87	163	314888	2.622	ng	100
65) 4,6-Dinitro-2-methylphenol	15.51	198	112	5.398	ng	# 1
71) Phenanthrene	17.20	178	1967581	10.695	ng	99
75) Fluoranthene	19.22	202	1881359	8.870	ng	98
78) Pyrene	19.59	202	2107853	12.145	ng	99
81) Benzo(a)anthracene	21.34	228	769168	4.459	ng	96
83) Chrysene	21.39	228	717654	4.308	ng	97
88) Benzo(b)fluoranthene	22.96	252	838131	5.514	ng	# 87
89) Benzo(k)fluoranthene	22.96	252	832475	5.434	ng	# 87
90) Benzo(a)pyrene	23.54	252	503843	3.462	ng	# 93
92) Benzo(a,h,i)perylene	26.67	276	292955	2.042	ng	96

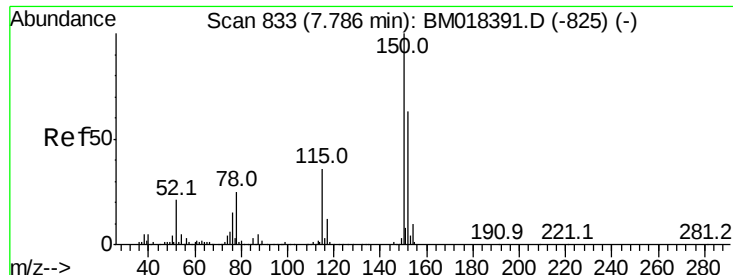
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018480.D
Acq On : 09 Jan 2019 19:30
Operator : JU/SJ
Sample : K1006-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JC-03-010819-I

Quant Time: Jan 10 05:39:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 12:39:07 2019
Response via : Initial Calibration



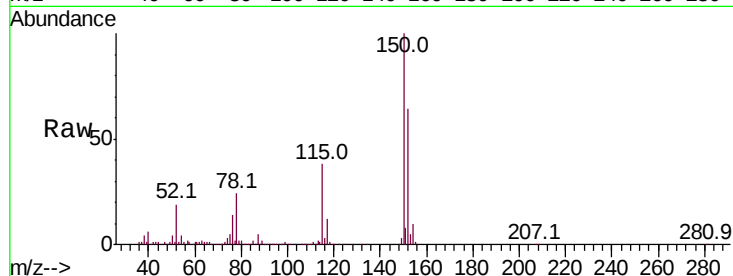


#1

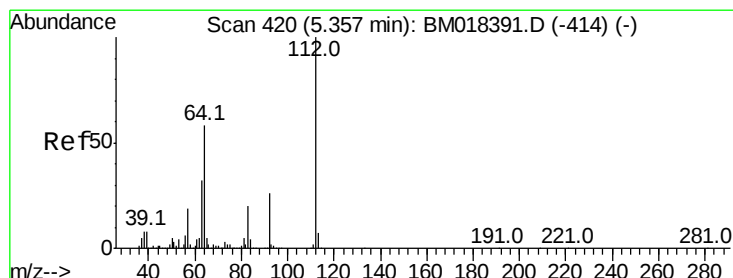
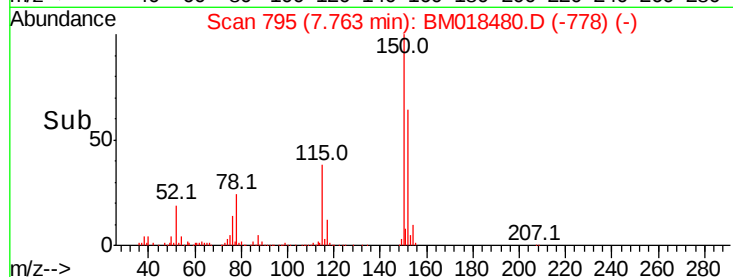
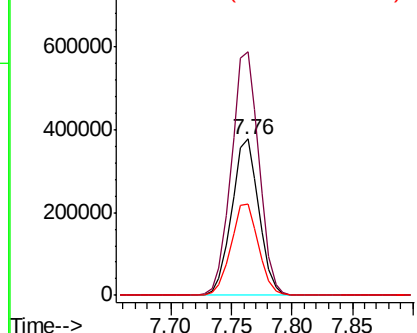
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

Instrument :
BNA_M
ClientSampleId :
JC-03-010819-I

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.9	190.3
115	58.6	45.5	68.3



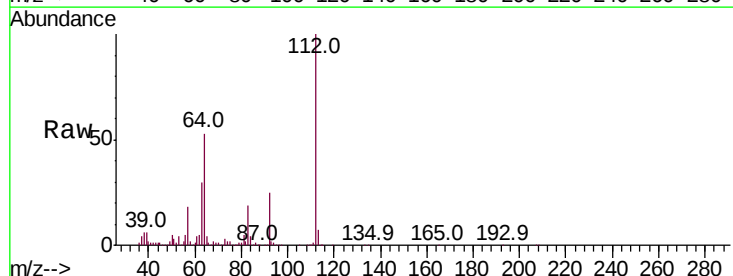
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



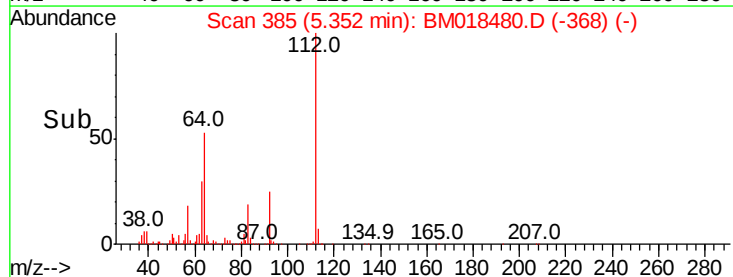
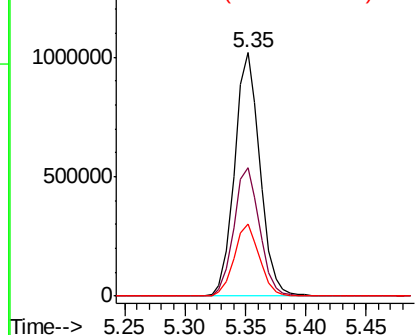
#5

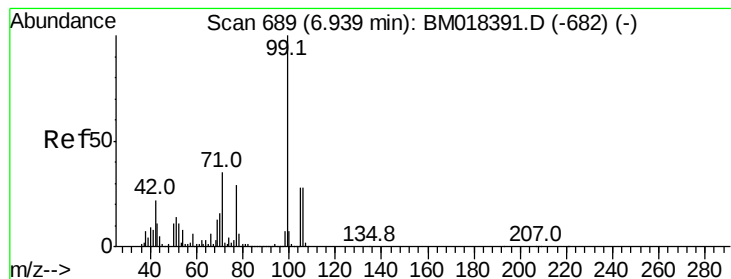
2-Fluorophenol
Concen: 46.699 ng
RT: 5.35 min Scan# 385
Delta R.T. 0.00 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	46.5	69.7
63	29.9	25.2	37.8



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: 48.271 ng

RT: 6.93 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

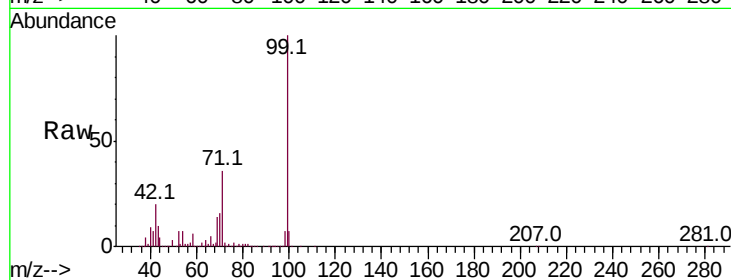
Tot Ion: 99 Resp: 1966842

Ion Ratio Lower Upper

99 100

42 20.1 17.3 25.9

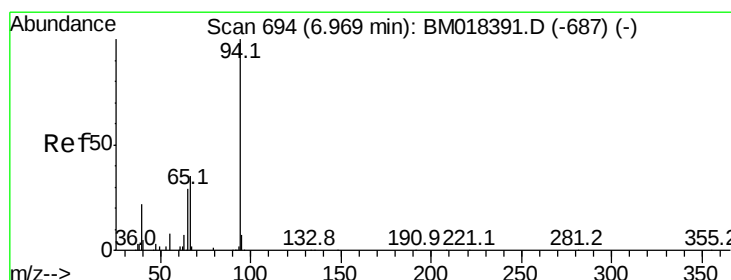
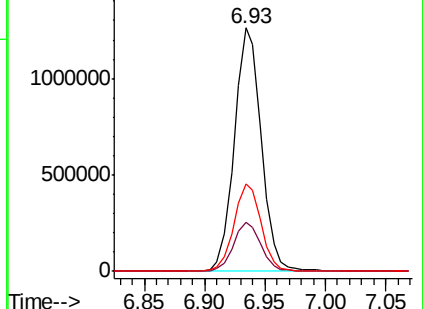
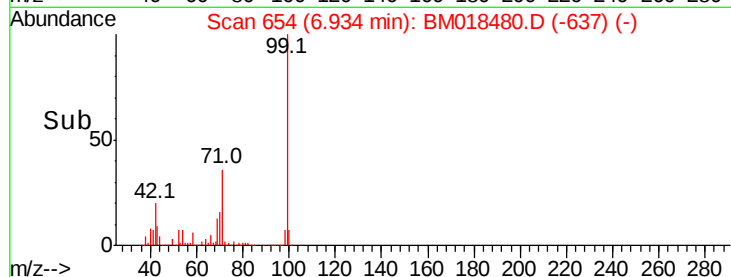
71 36.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018391.D (-682) (-)

Ion 42.00 (41.70 to 42.70): BM018391.D (-682) (-)

Ion 71.00 (70.70 to 71.70): BM018391.D (-682) (-)



#10

Phenol

Concen: 2.147 ng

RT: 6.96 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

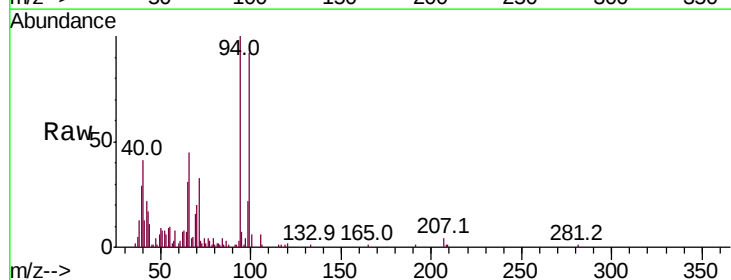
Tgt Ion: 94 Resp: 88915

Ion Ratio Lower Upper

94 100

65 30.5 9.4 49.4

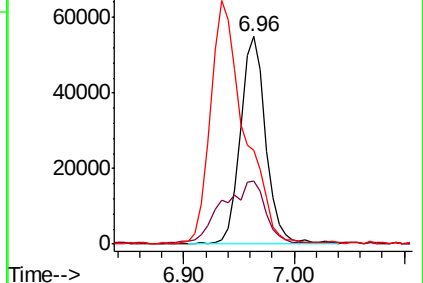
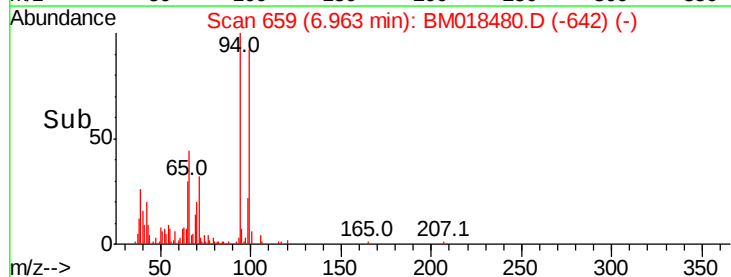
66 45.1 19.1 59.1

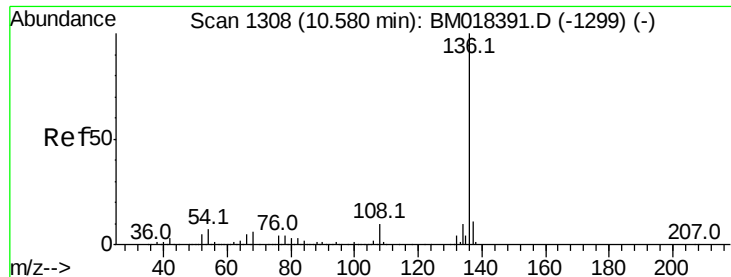


Abundance Ion 94.00 (93.70 to 94.70): BM018391.D (-687) (-)

Ion 65.00 (64.70 to 65.70): BM018391.D (-687) (-)

Ion 66.00 (65.70 to 66.70): BM018391.D (-687) (-)

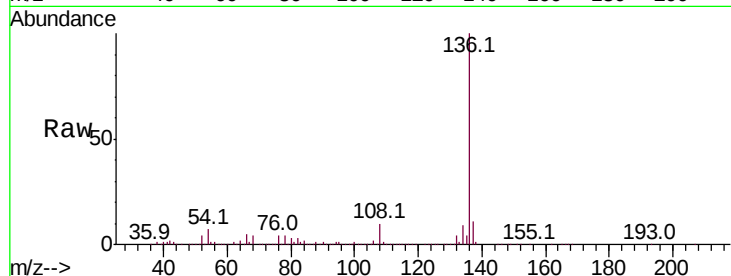




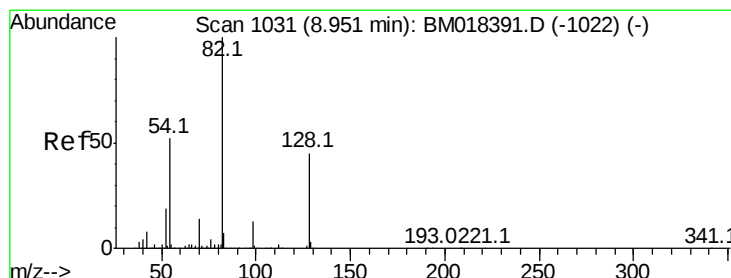
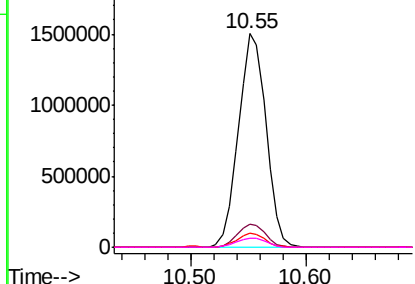
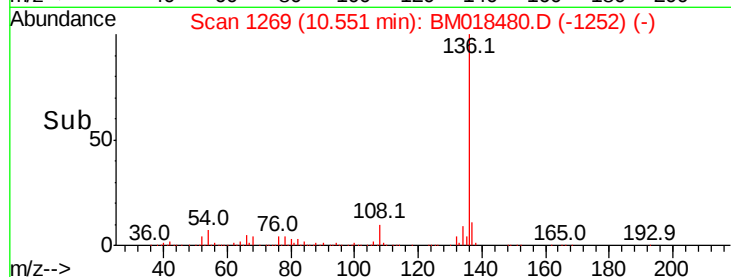
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

Instrument :
BNA_M
ClientSampleId :
JC-03-010819-I

Tot Ion:136 Resp: 2500161
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.7 6.0 9.0
68 4.3 4.5 6.7#

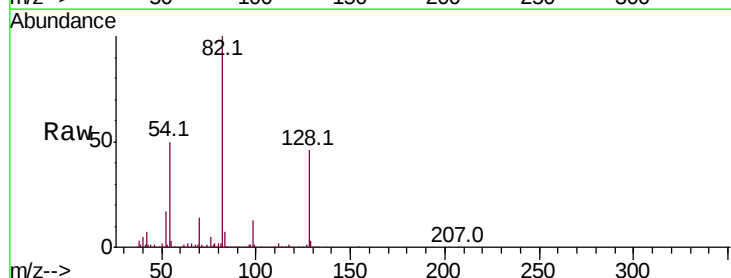


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

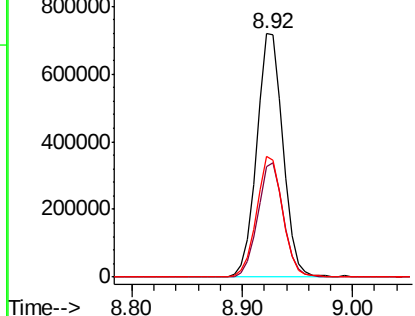
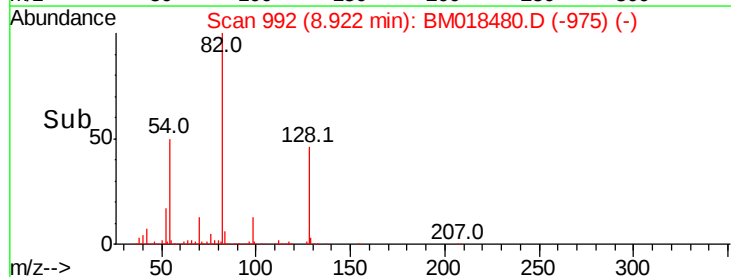


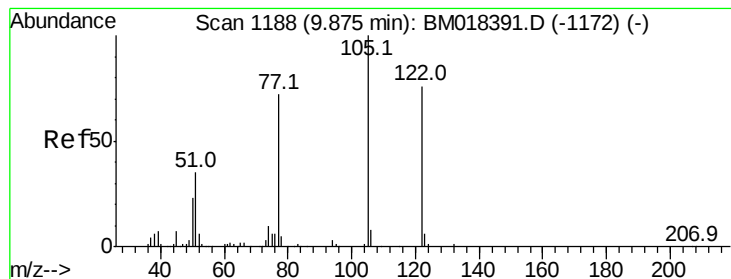
#23
Nitrobenzene-d5
Concen: 27.792 ng
RT: 8.92 min Scan# 992
Delta R.T. 0.00 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

Tgt Ion: 82 Resp: 1198628
Ion Ratio Lower Upper
82 100
128 45.5 36.3 54.5
54 49.6 41.7 62.5



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#32

Benzoic acid

Concen: 6.507 ng

RT: 9.96 min Scan# 1168

Delta R.T. 0.05 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

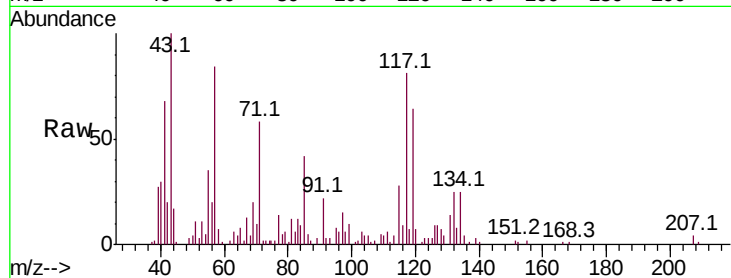
Tot Ion:122 Resp: 111

Ion Ratio Lower Upper

122 100

105 397.8 100.4 140.4#

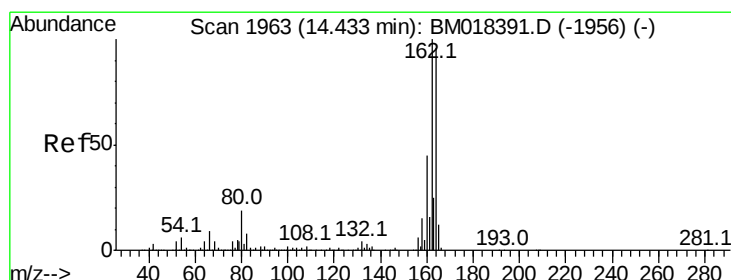
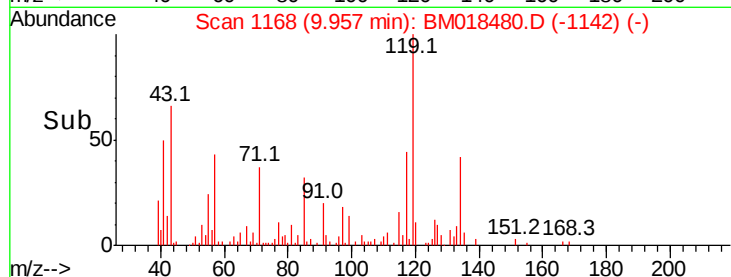
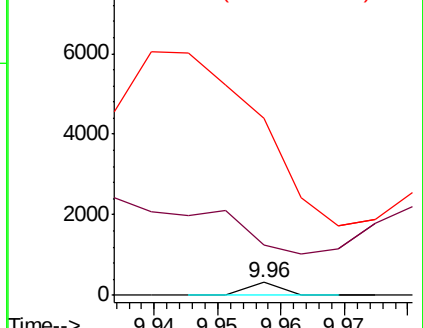
77 1393.0 71.7 111.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.41 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

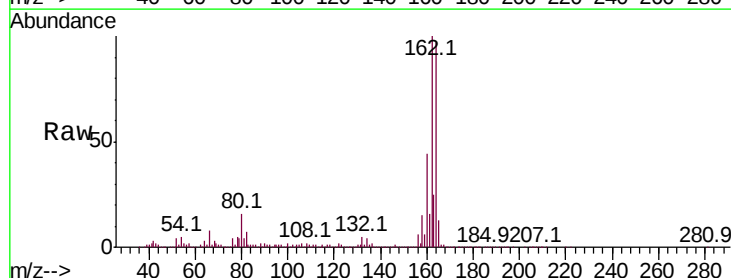
Tgt Ion:164 Resp: 1462515

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.4

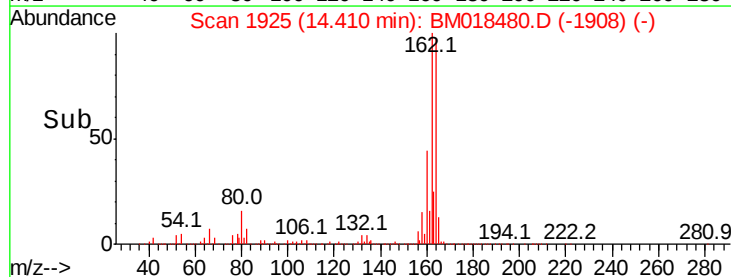
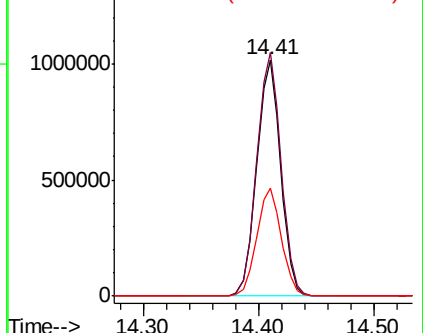
160 45.7 37.1 55.7

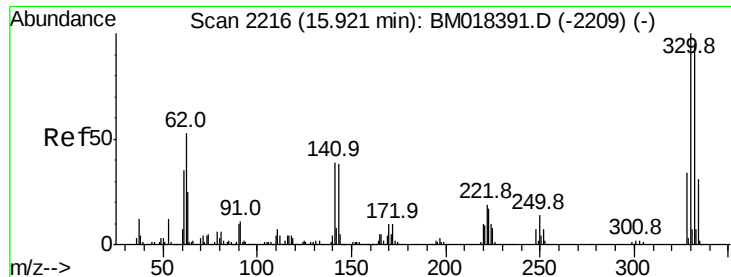


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

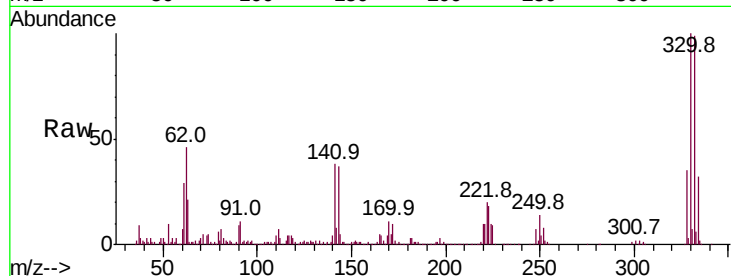




#42
 2,4,6-Tribromophenol
 Concen: 45.555 ng
 RT: 15.90 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: BM018480.D
 Acq: 09 Jan 2019 19:30

Instrument :
 BNA_M
 ClientSampleId :
 JC-03-010819-I

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.6	116.4
141	40.0	31.7	47.5

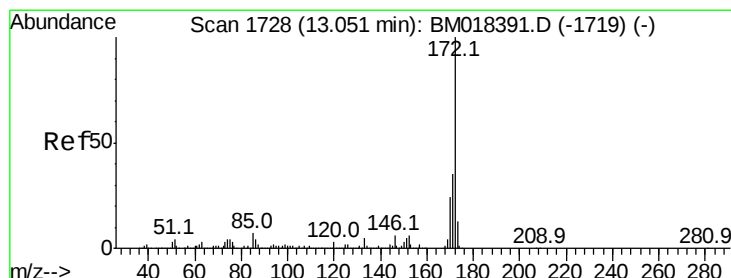
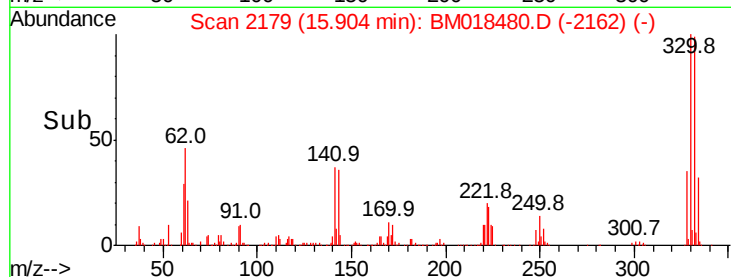
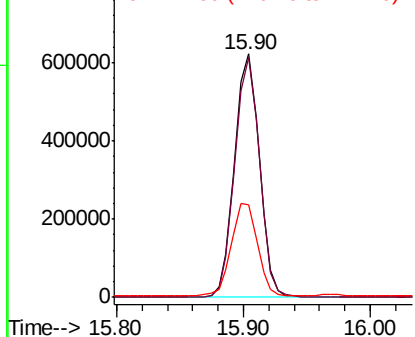


Abundance

Ion 329.80 (329.50 to 330.50): E

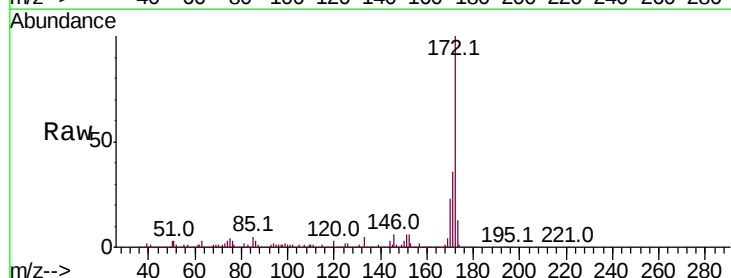
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 25.267 ng
 RT: 13.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM018480.D
 Acq: 09 Jan 2019 19:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	22.6	18.9	28.3

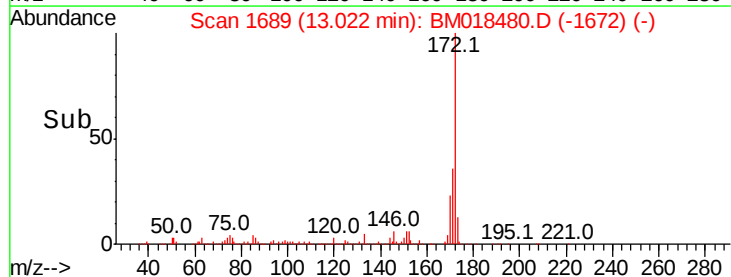
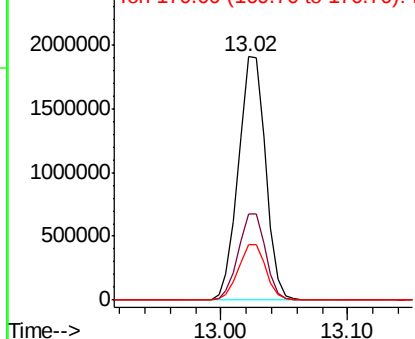


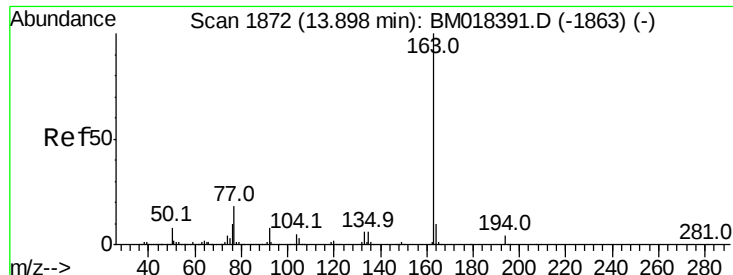
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

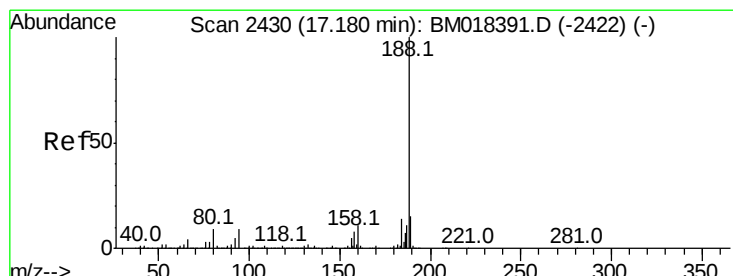
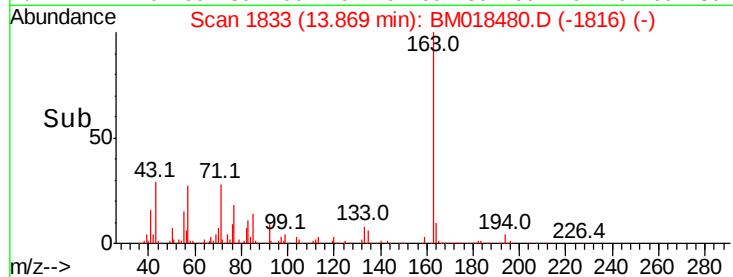
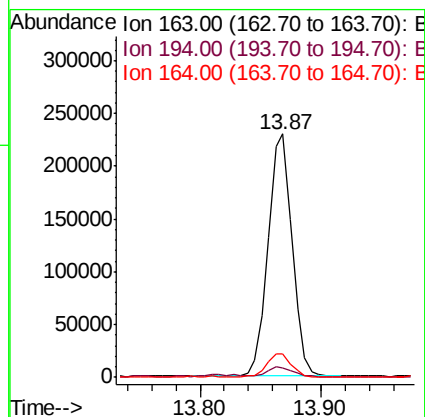
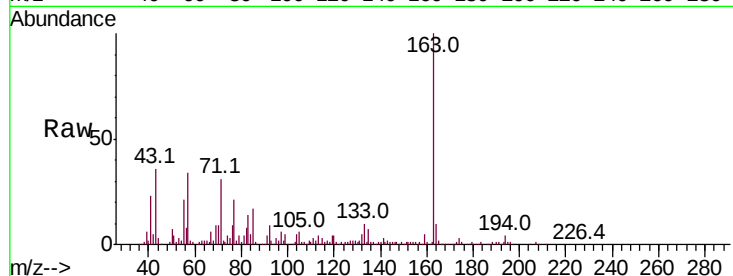




#50
 Dimethylphthalate
 Concen: 2.622 ng
 RT: 13.87 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: BM018480.D
 Acq: 09 Jan 2019 19:30

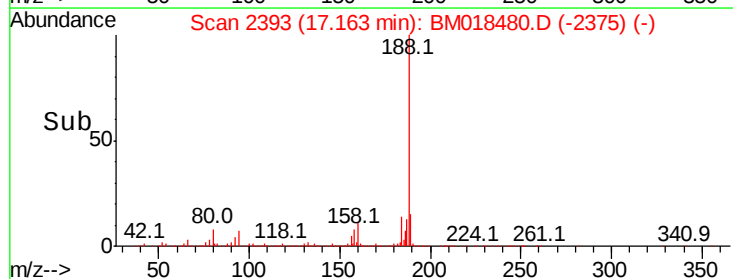
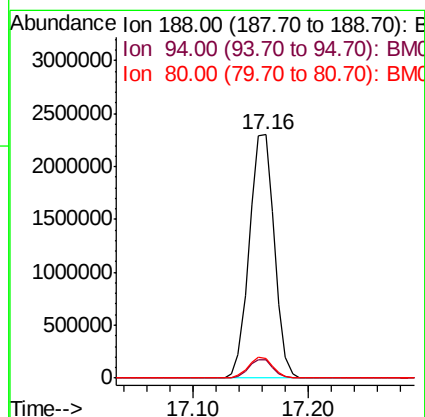
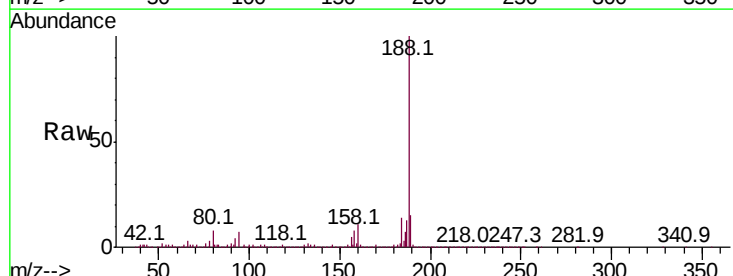
Instrument :
 BNA_M
 ClientSampleId :
 JC-03-010819-I

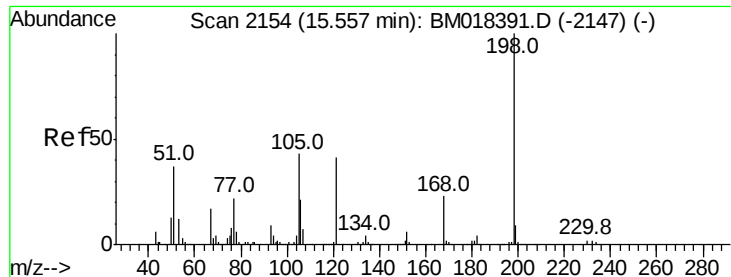
Tot Ion:163	Resp: 314888
Ion Ratio	Lower Upper
163 100	
194 4.1	3.0 4.6
164 9.8	7.8 11.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2393
 Delta R.T. 0.01 min
 Lab File: BM018480.D
 Acq: 09 Jan 2019 19:30

Tgt	Ion:188	Resp:	3458768
Ion	Ratio	Lower	Upper
188	100		
94	7.3	7.1	10.7
80	8.0	7.6	11.4





#65

4,6-Dinitro-2-methylphenol

Concen: 5.398 ng

RT: 15.51 min Scan# 2112

Delta R.T. -0.03 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

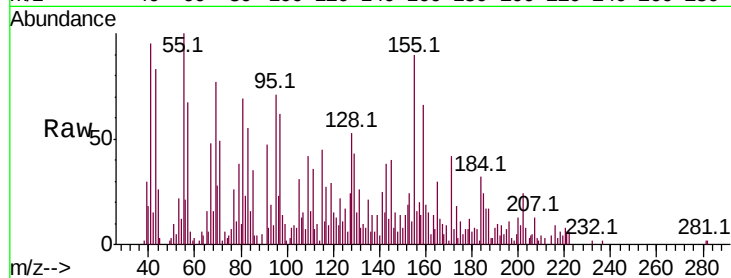
Tot Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 557.0 29.6 69.6#

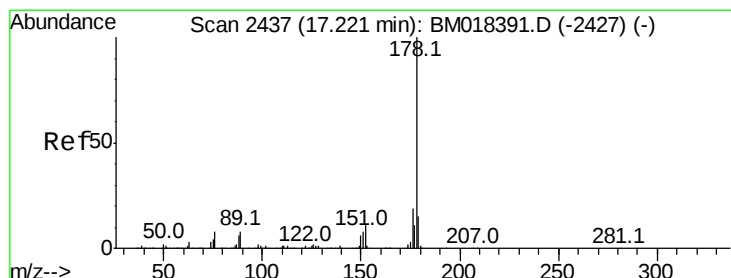
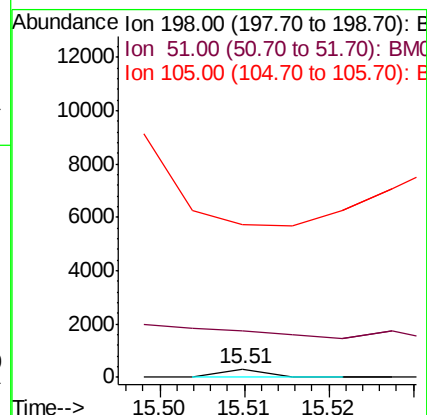
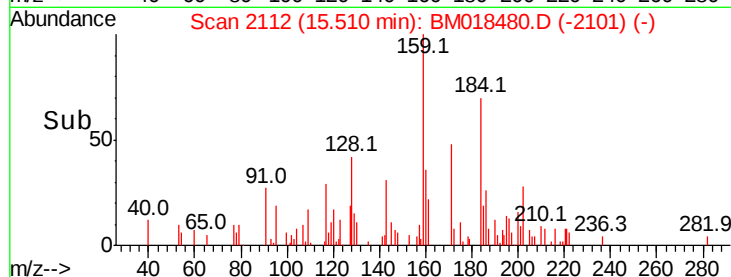
105 1808.2 25.5 65.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 10.695 ng

RT: 17.20 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

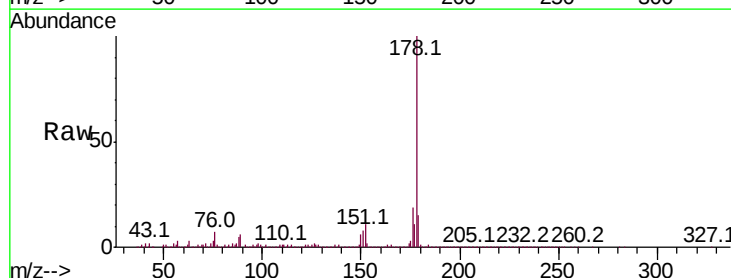
Tgt Ion:178 Resp: 1967581

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

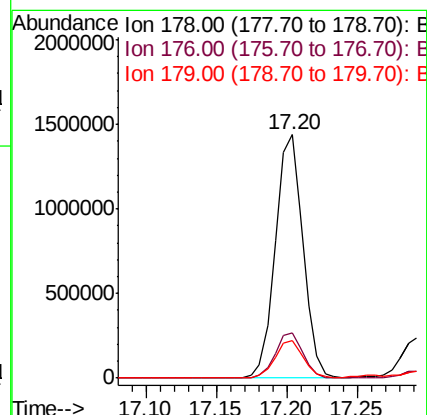
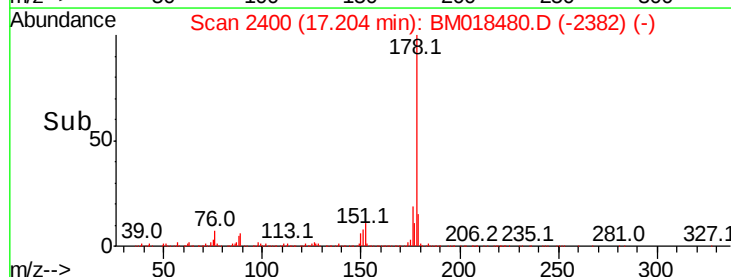
179 15.4 12.2 18.4

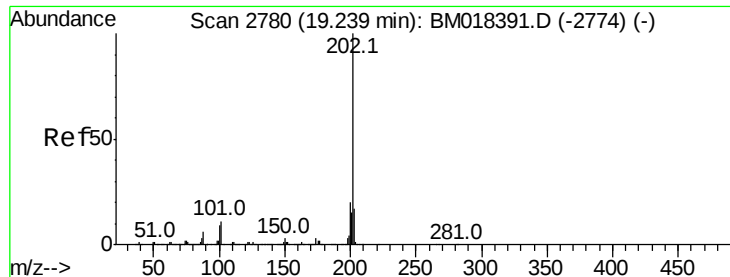


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

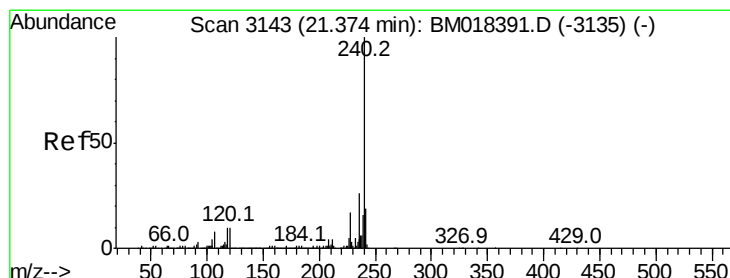
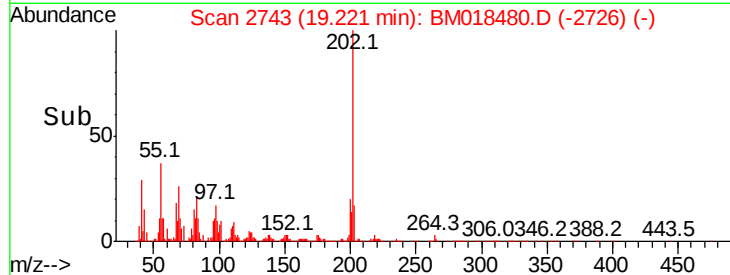
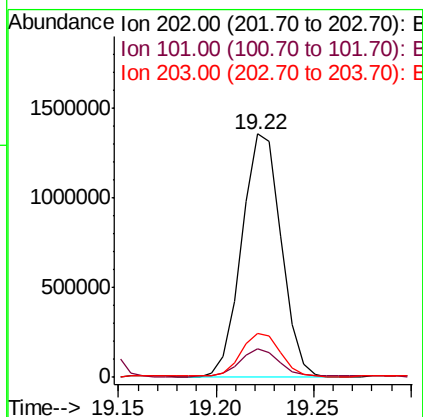
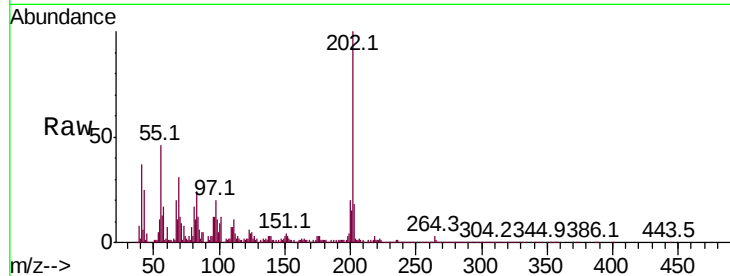




#75
Fluoranthene
Concen: 8.870 ng
RT: 19.22 min Scan# 2743
Delta R.T. 0.00 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

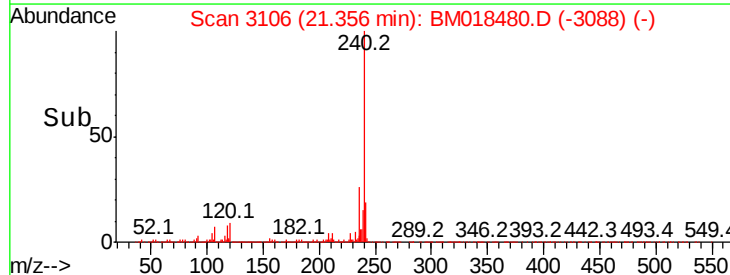
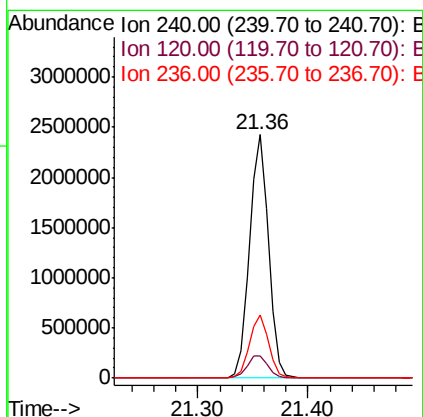
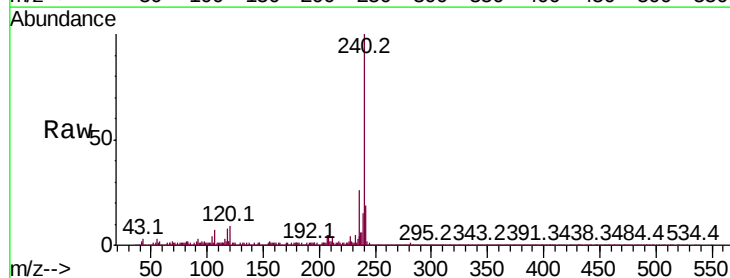
Instrument :
BNA_M
ClientSampleId :
JC-03-010819-I

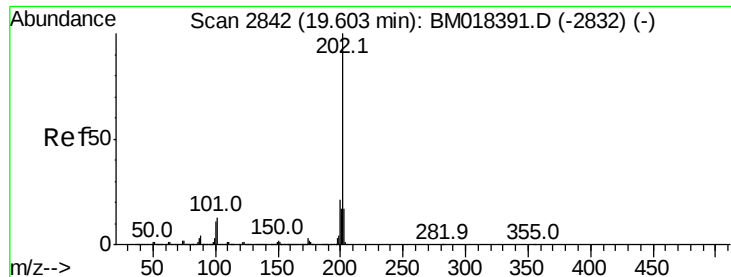
Tot Ion:202 Resp: 1881359
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.9
203 18.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM018480.D
Acq: 09 Jan 2019 19:30

Tgt Ion:240 Resp: 2928126
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 25.8 20.7 31.1





#78

Pvrene

Concen: 12.145 ng

RT: 19.59 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

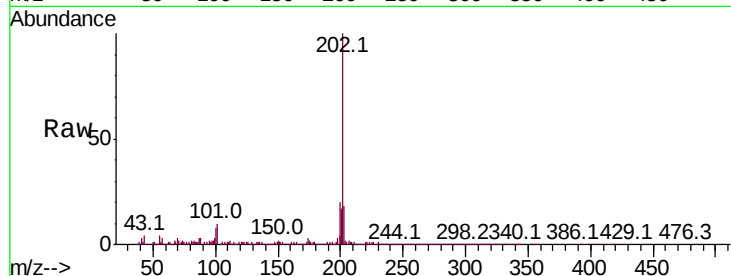
Tot Ion:202 Resp: 2107853

Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

203 17.9 13.8 20.8

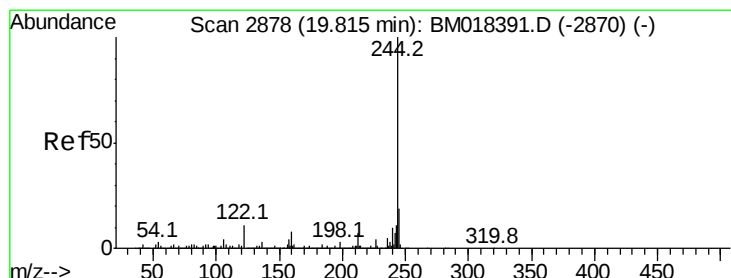
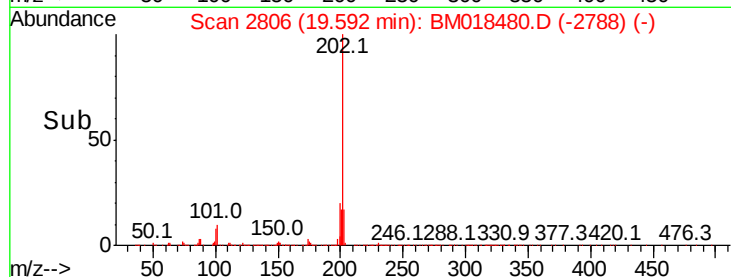
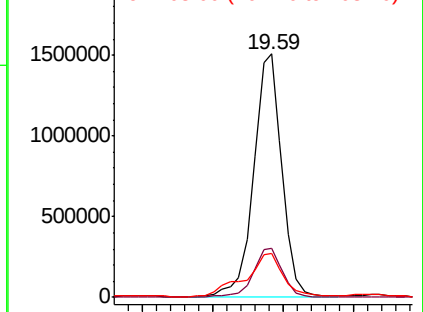


Abundance

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: 31.517 ng

RT: 19.80 min Scan# 2841

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

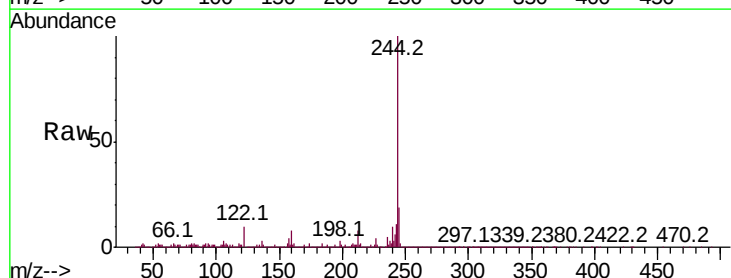
Tgt Ion:244 Resp: 4377865

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 9.6 9.0 13.4

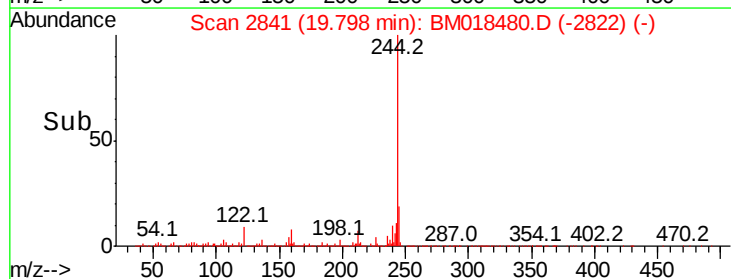
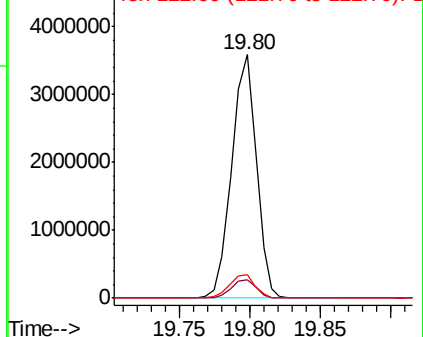


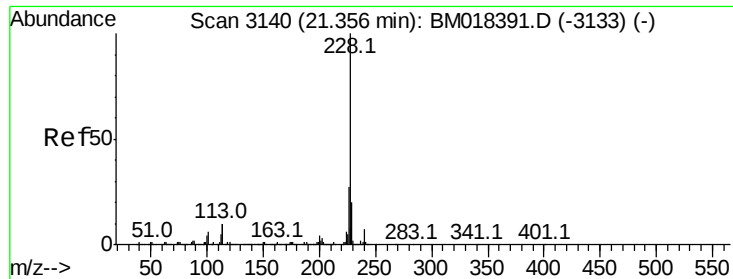
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.459 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

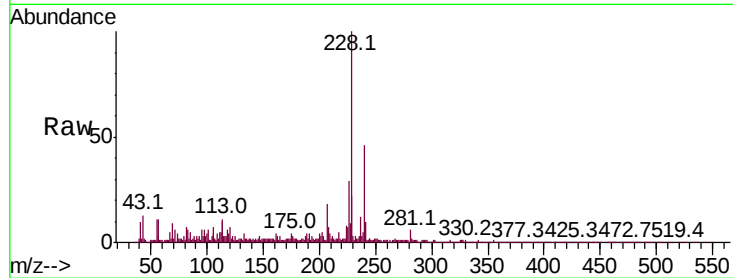
Tot Ion:228 Resp: 769168

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.6

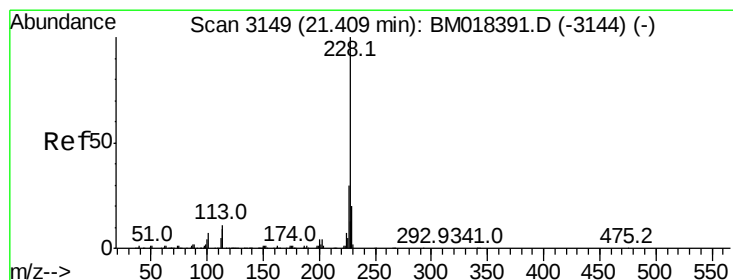
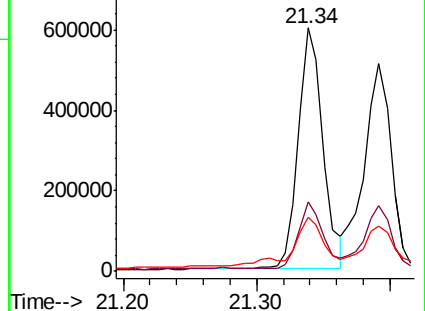
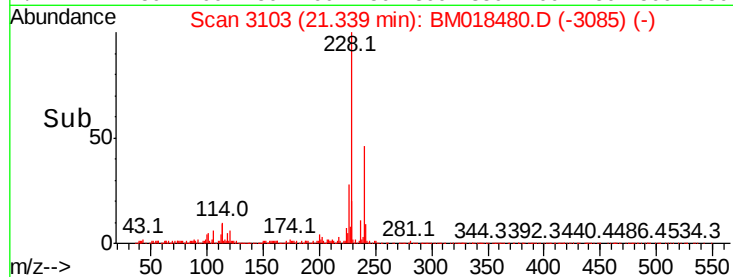
229 22.0 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 4.308 ng

RT: 21.39 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

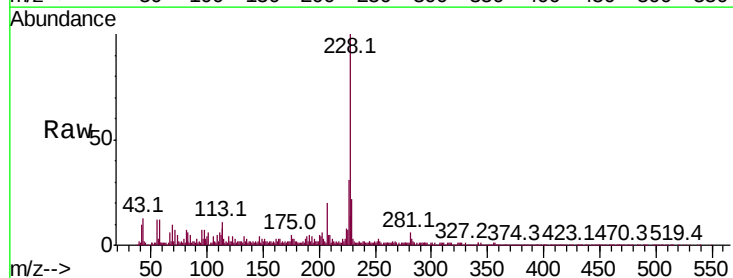
Tgt Ion:228 Resp: 717654

Ion Ratio Lower Upper

228 100

226 31.4 24.2 36.2

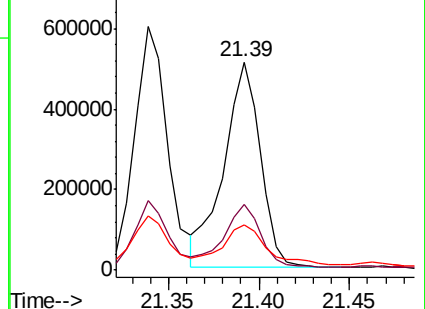
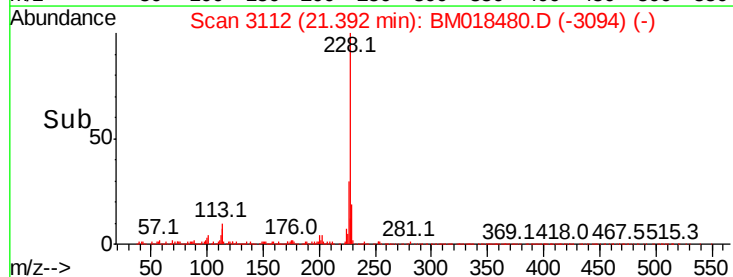
229 21.8 15.6 23.4

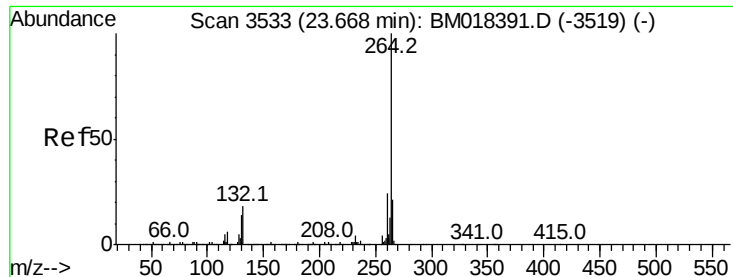


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.65 min Scan# 3496

Delta R.T. 0.02 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

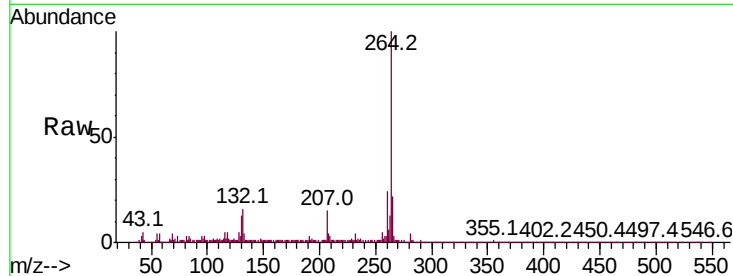
Tot Ion:264 Resp: 2677589

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

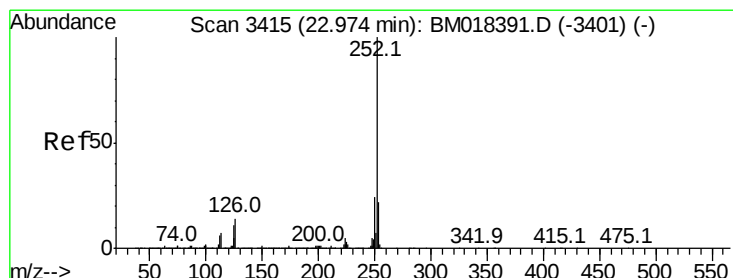
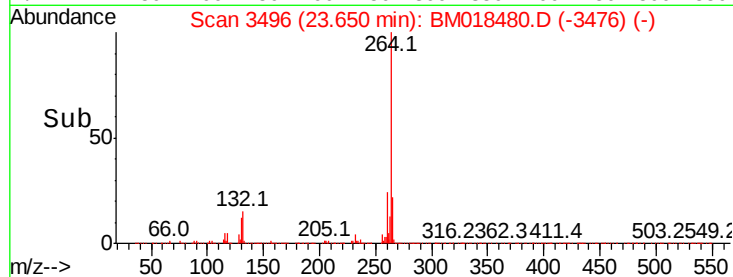
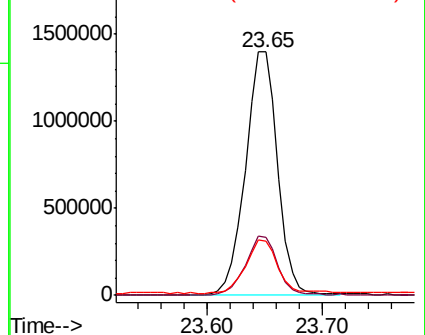
265 22.5 16.8 25.2



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: 5.514 ng

RT: 22.96 min Scan# 3378

Delta R.T. 0.02 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

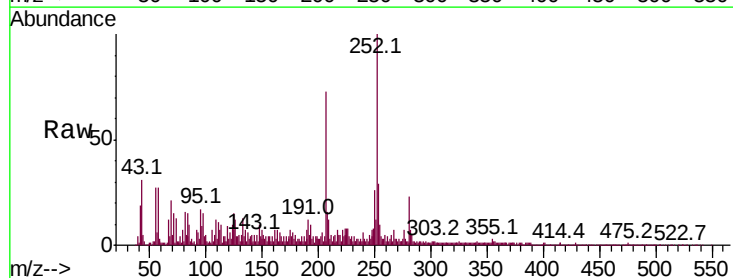
Tgt Ion:252 Resp: 838131

Ion Ratio Lower Upper

252 100

253 28.6 17.6 26.4#

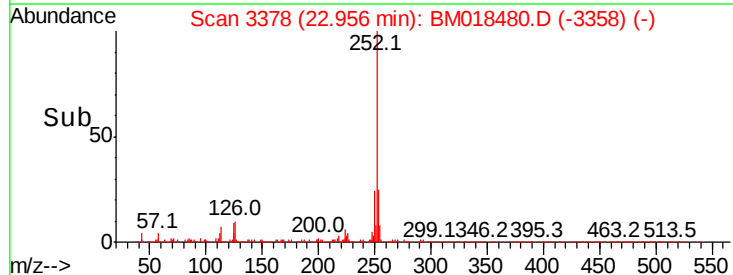
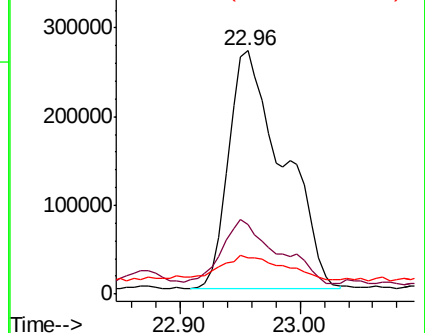
125 14.9 8.5 12.7#

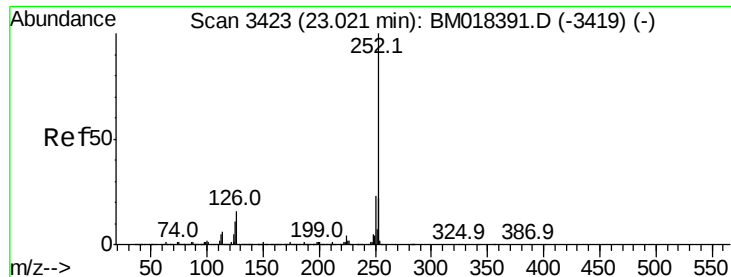


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.434 ng

RT: 22.96 min Scan# 3378

Delta R.T. -0.03 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

Instrument :

BNA_M

ClientSampleId :

JC-03-010819-I

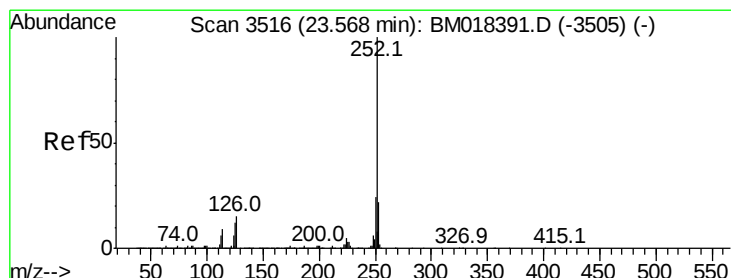
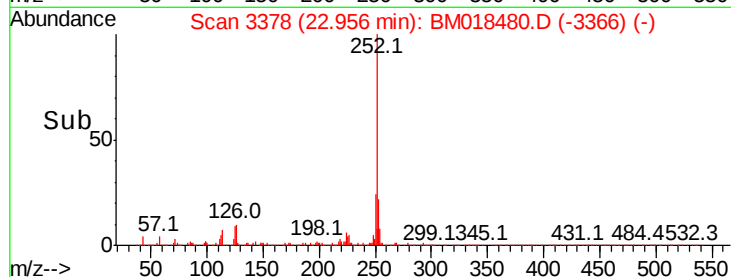
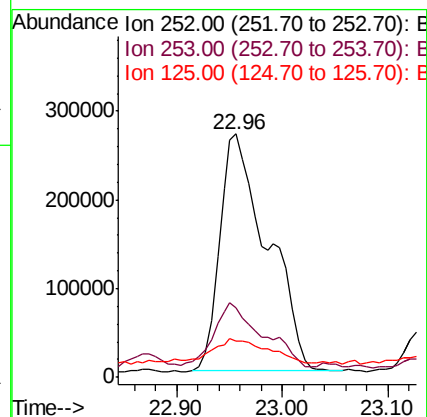
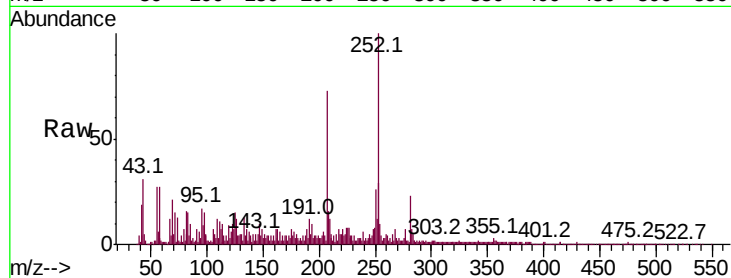
Tot Ion:252 Resp: 832475

Ion Ratio Lower Upper

252 100

253 28.6 17.4 26.0#

125 14.9 8.6 12.8#



#90

Benzo(a)pyrene

Concen: 3.462 ng

RT: 23.54 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BM018480.D

Acq: 09 Jan 2019 19:30

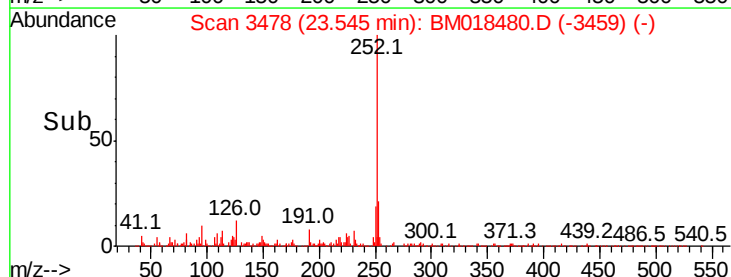
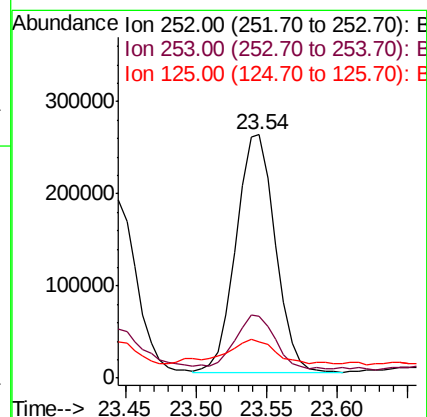
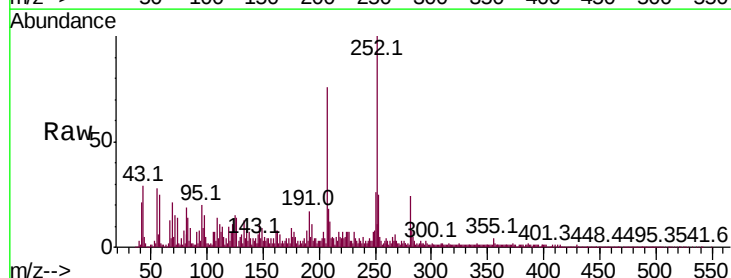
Tgt Ion:252 Resp: 503843

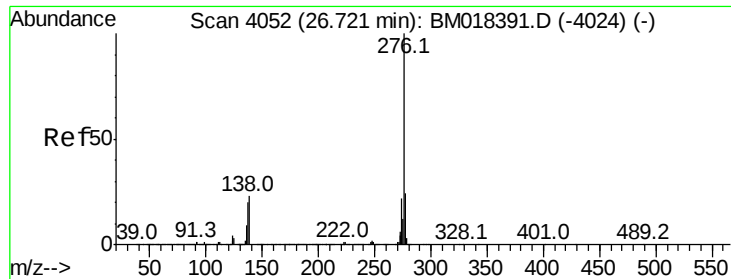
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 14.9 9.7 14.5#

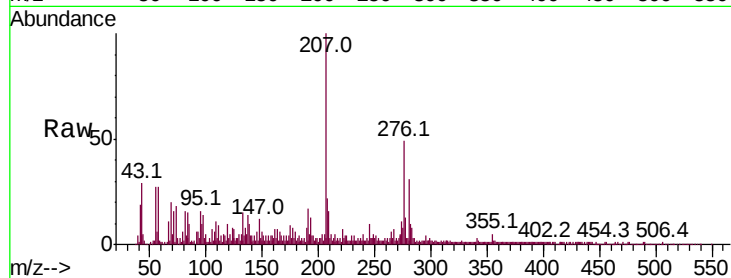




#92
 Benzo(a,h,i)perylene
 Concen: 2.042 ng
 RT: 26.67 min Scan# 4010
 Delta R.T. 0.02 min
 Lab File: BM018480.D
 Acq: 09 Jan 2019 19:30

Instrument :
 BNA_M
 ClientSampleId :
 JC-03-010819-I

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.0	28.4
138	21.1	18.1	27.1



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

