

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
 Data File : BM018922.D
 Acq On : 25 Feb 2019 20:23
 Operator : JU/SJ
 Sample : K1356-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-02-022219-A

Quant Time: Feb 26 00:02:45 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	248995	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	984104	20.00	ng	-0.02
39) Acenaphthene-d10	14.35	164	528546	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1104332	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1055156	20.00	ng	-0.02
87) Perylene-d12	23.55	264	1231025	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	692381	45.56	ng	-0.02
7) Phenol-d6	6.87	99	940196	43.92	ng	-0.02
23) Nitrobenzene-d5	8.86	82	594260	27.92	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	282520	37.08	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1087878	27.32	ng	-0.02
79) Terphenyl-d14	19.73	244	1346450	26.32	ng	-0.01

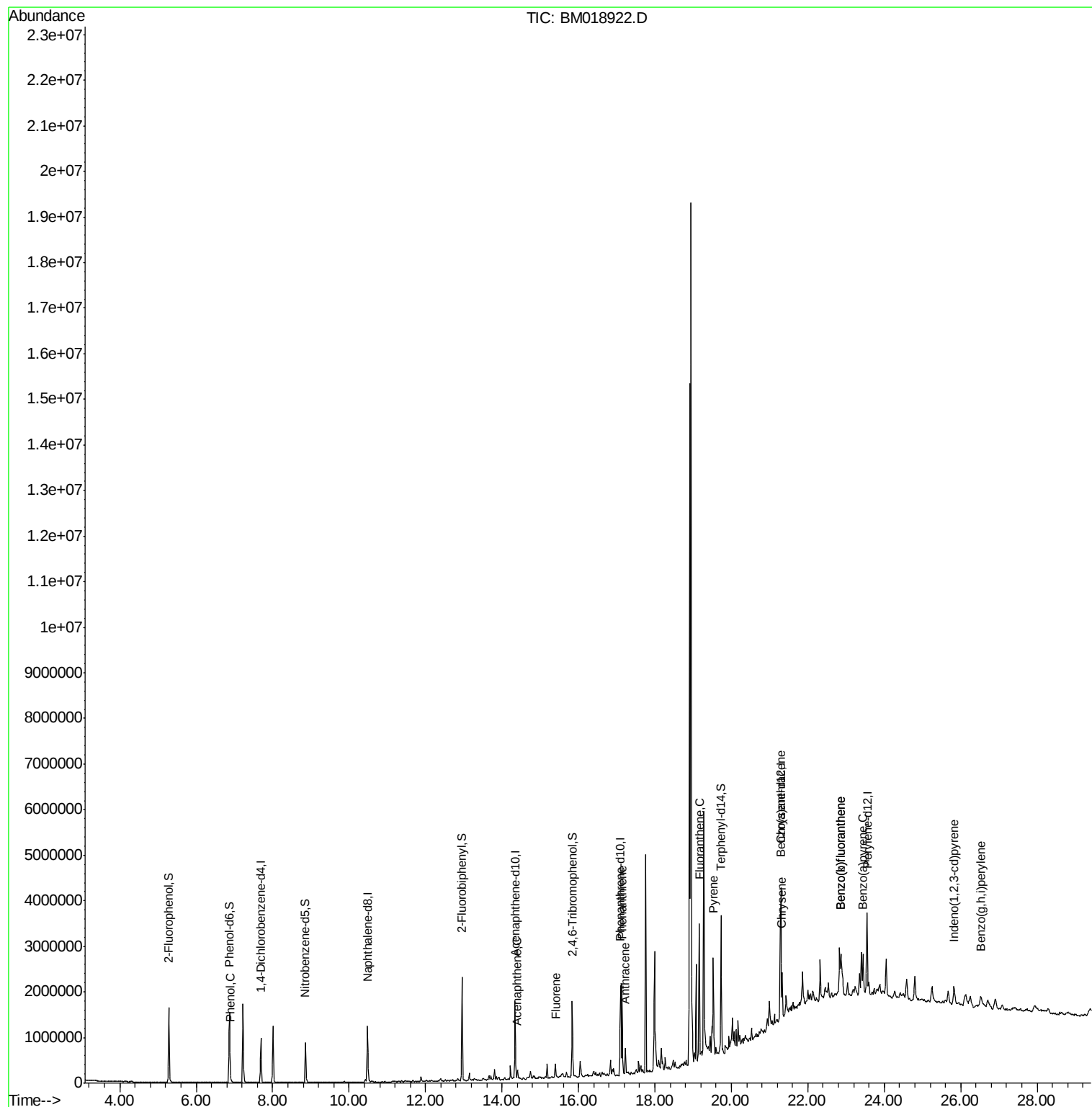
Target Compounds				Qvalue		
9) Benzaldehyde	6.87	77	4710	Below Cal	#	7
10) Phenol	6.89	94	51358	2.280	ng	94
52) Acenaphthene	14.41	154	65222	2.033	ng	98
58) Fluorene	15.40	166	126573	3.137	ng	100
71) Phenanthrene	17.14	178	1092057	18.401	ng	100
72) Anthracene	17.23	178	350538	6.068	ng	99
75) Fluoranthene	19.16	202	1460936	21.310	ng	99
78) Pyrene	19.53	202	1181576	19.281	ng	100
81) Benzo(a)anthracene	21.28	228	672228	10.929	ng	98
83) Chrysene	21.33	228	555984	9.431	ng	96
86) Indeno(1,2,3-cd)pyrene	25.82	276	333025	4.893	ng	96
88) Benzo(b)fluoranthene	22.87	252	743158	10.551	ng	95
89) Benzo(k)fluoranthene	22.87	252	740481	10.560	ng	# 95
90) Benzo(a)pyrene	23.44	252	559499	8.386	ng	# 92
92) Benzo(g,h,i)perylene	26.53	276	295800	4.807	ng	98

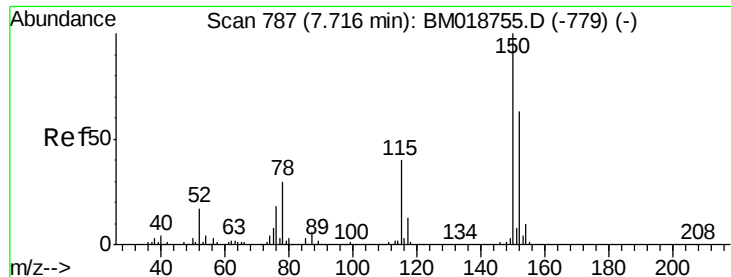
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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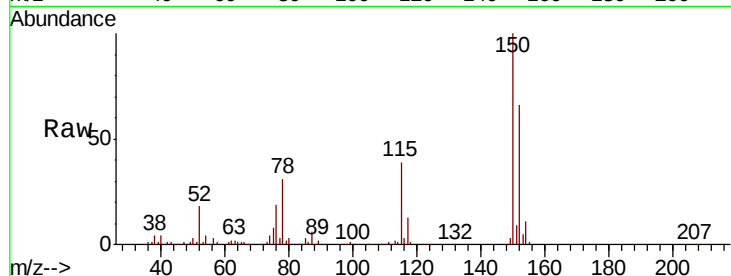


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.3	190.9
115	59.8	50.8	76.2

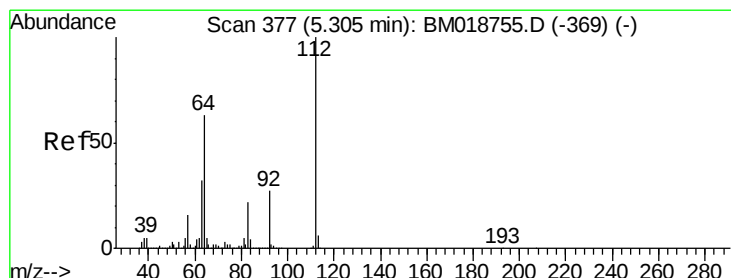
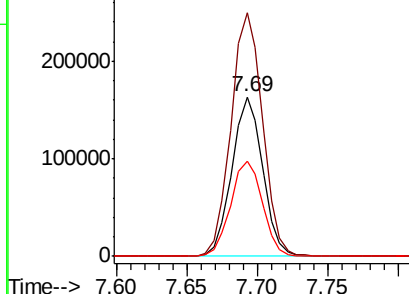
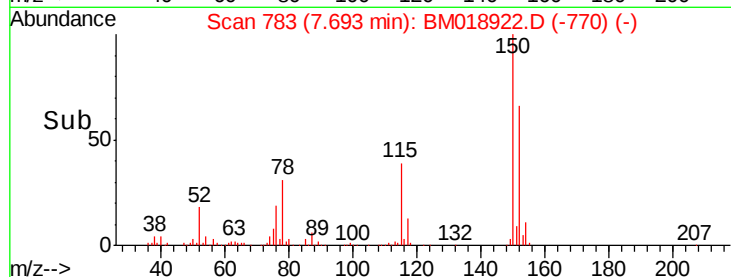


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

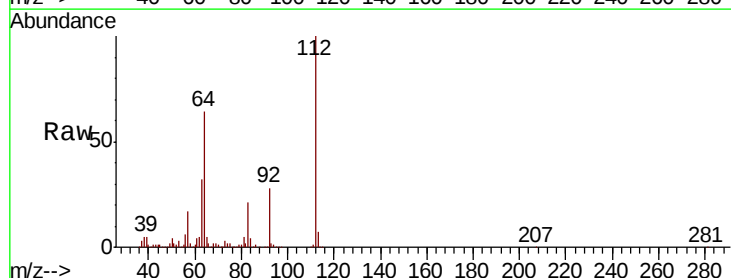
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.561 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	50.6	75.8
63	32.2	25.7	38.5

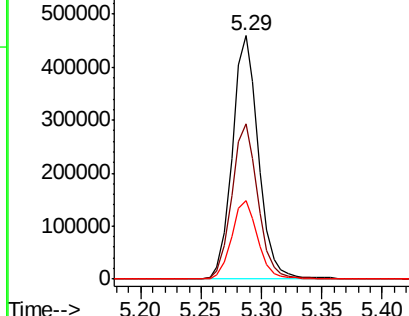
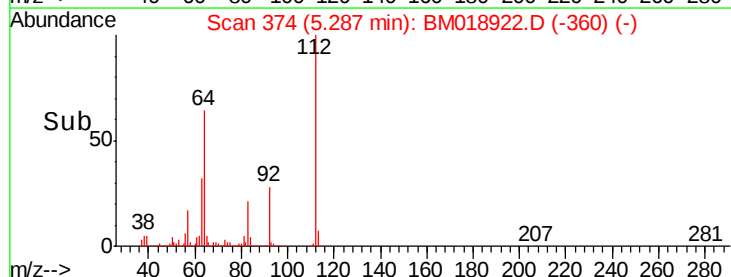


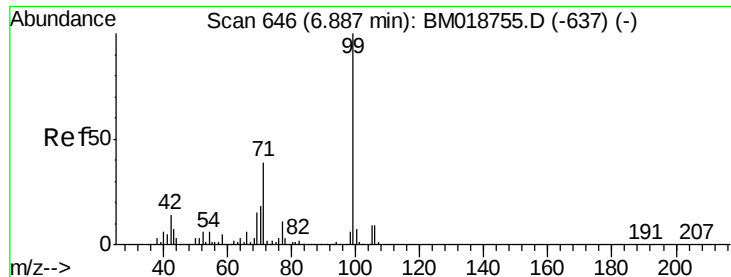
Abundance

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: 43.917 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

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ClientSampleId :

SU-02-022219-A

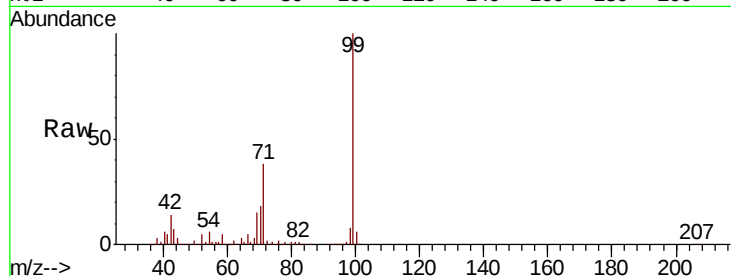
Tgt Ion: 99 Resp: 940196

Ion Ratio Lower Upper

99 100

42 13.7 11.0 16.6

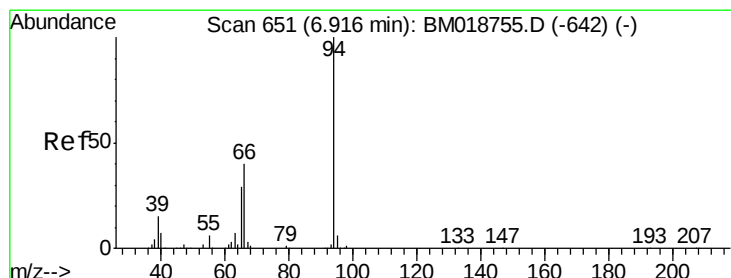
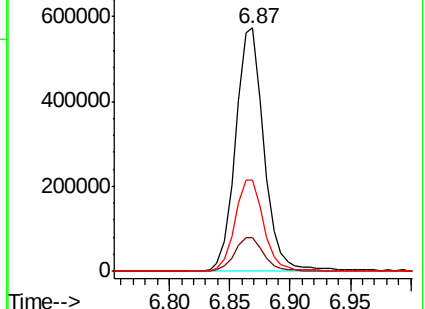
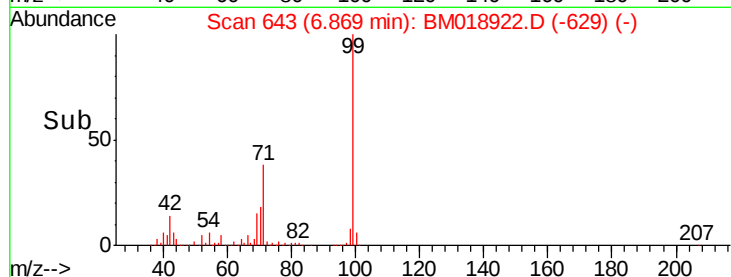
71 37.6 31.3 46.9



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: 2.280 ng

RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

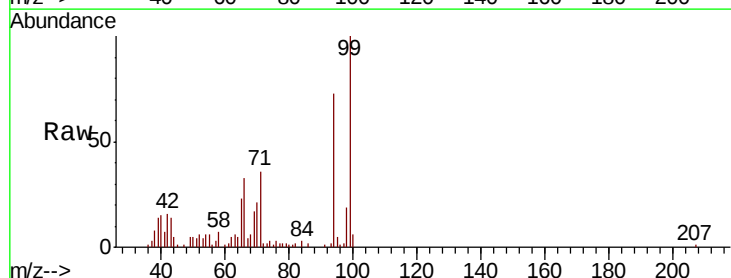
Tgt Ion: 94 Resp: 51358

Ion Ratio Lower Upper

94 100

65 31.7 9.6 49.6

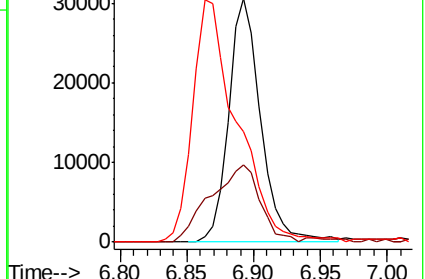
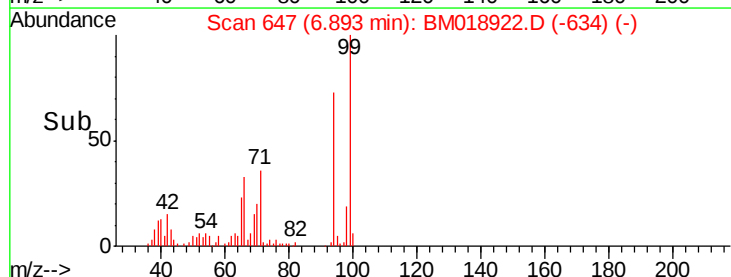
66 45.5 20.4 60.4

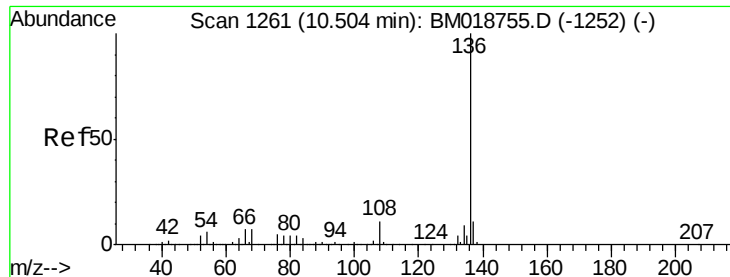


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

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

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

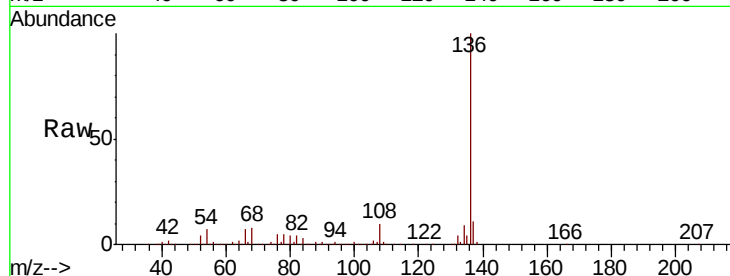




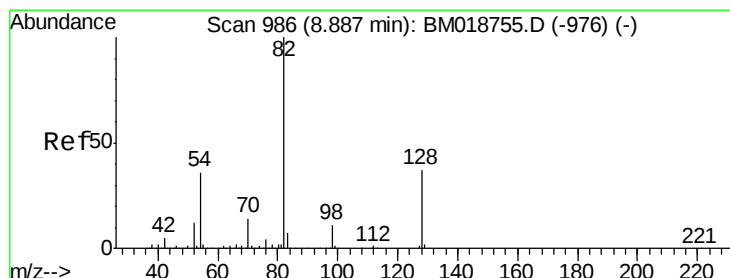
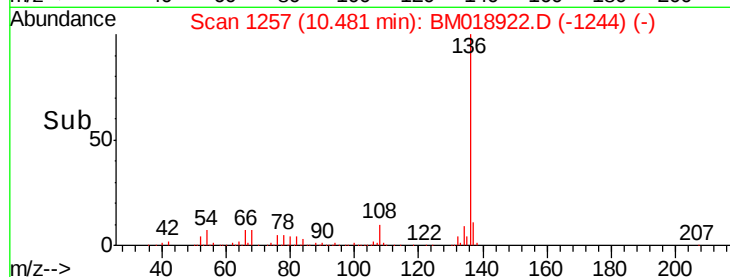
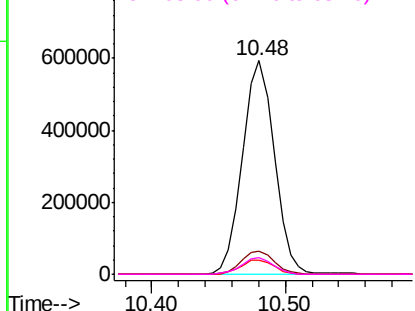
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-A

Tgt Ion:	136	Resp:	984104
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.6	5.0	7.6
68	7.5	5.5	8.3

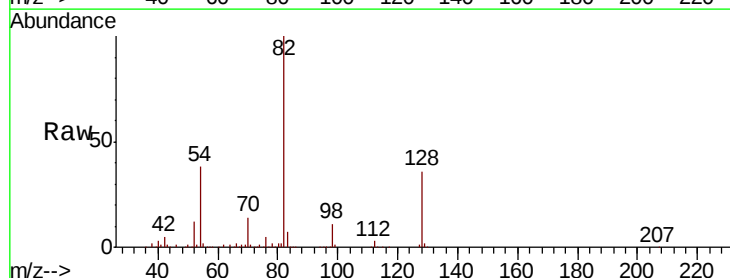


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

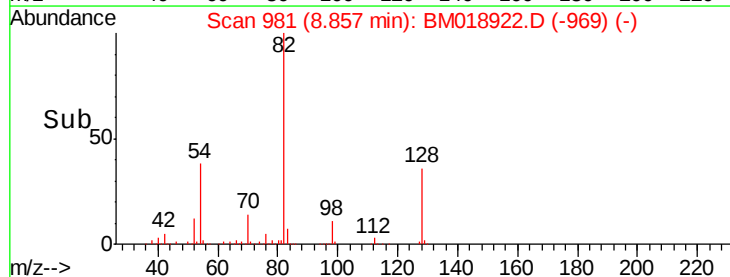
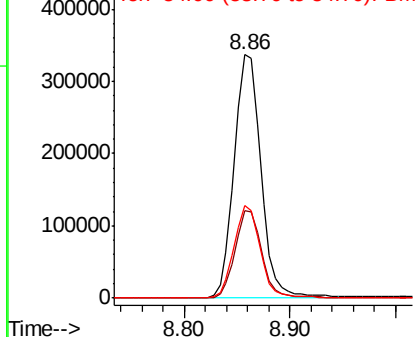


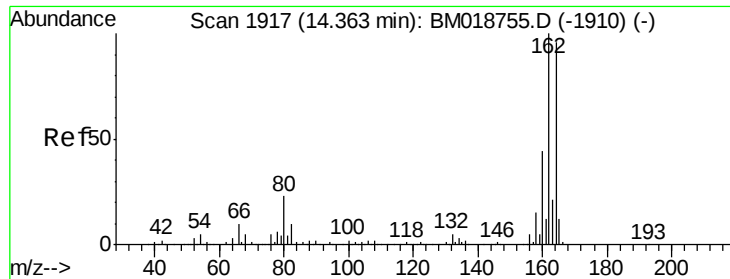
#23
Nitrobenzene-d5
Concen: 27.922 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion:	82	Resp:	594260
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.9	44.9
54	38.3	29.1	43.7



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.35 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

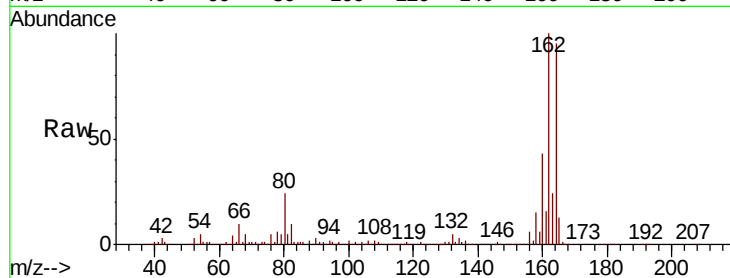
Tgt Ion:164 Resp: 528546

Ion Ratio Lower Upper

164 100

162 105.6 83.4 125.0

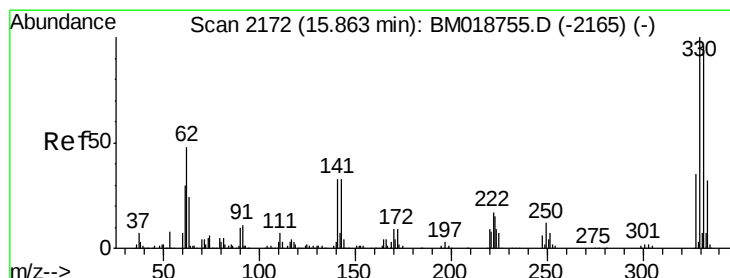
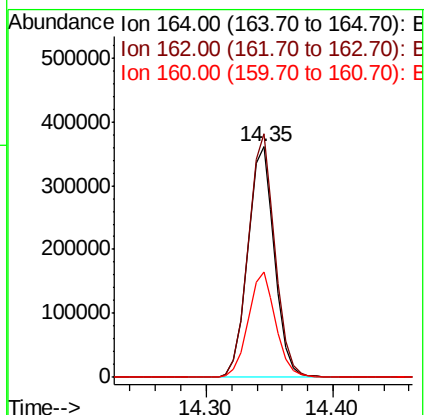
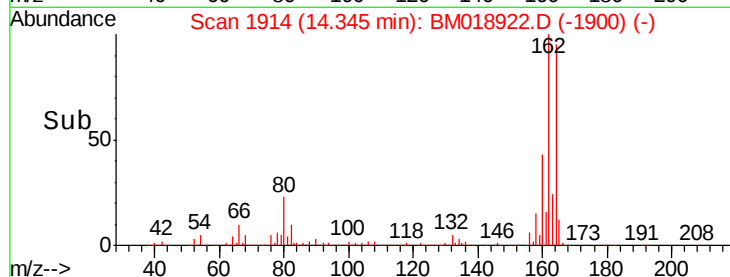
160 45.9 36.6 55.0



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: 37.082 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

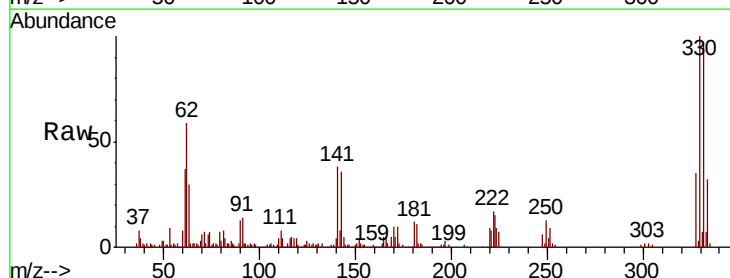
Tgt Ion:330 Resp: 282520

Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

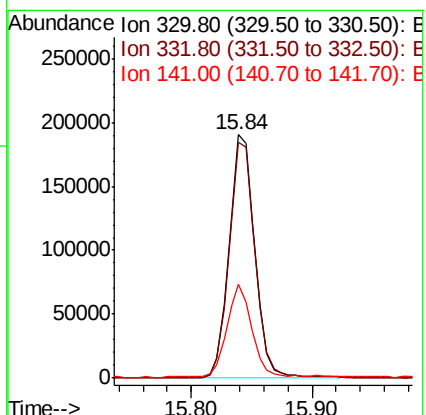
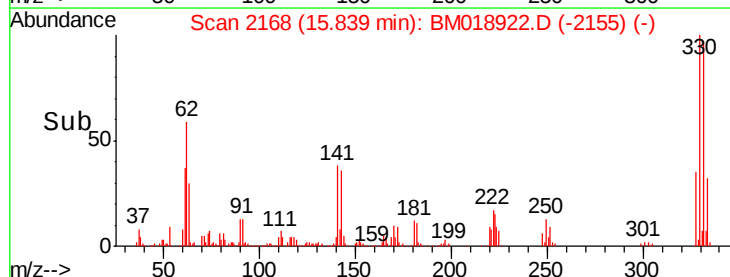
141 36.6 28.7 43.1

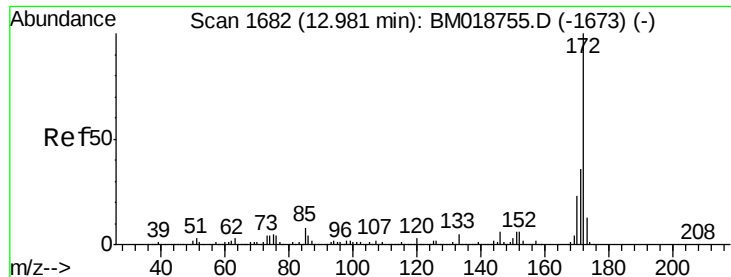


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

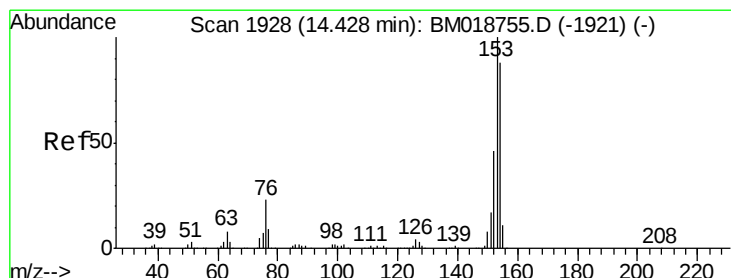
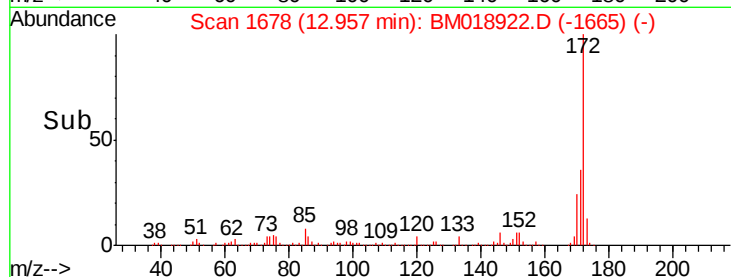
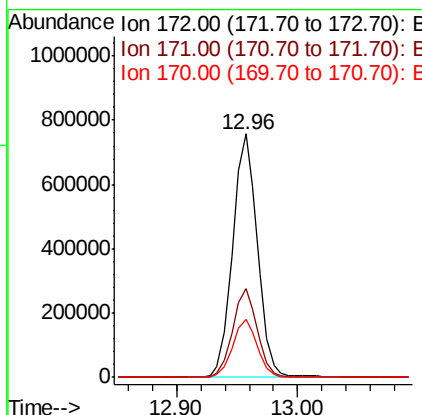
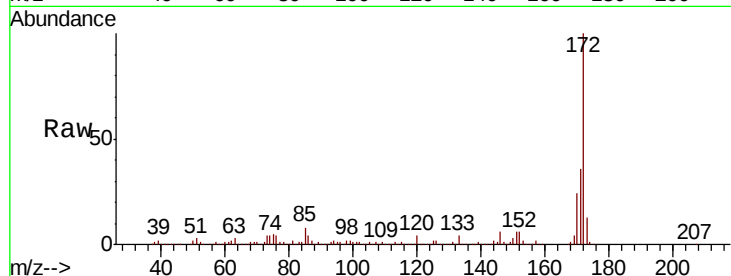




#45
2-Fluorobiphenyl
Concen: 27.323 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

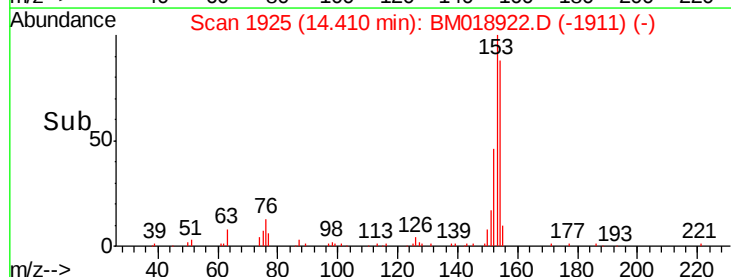
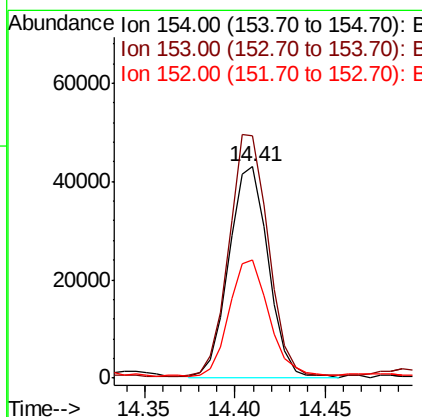
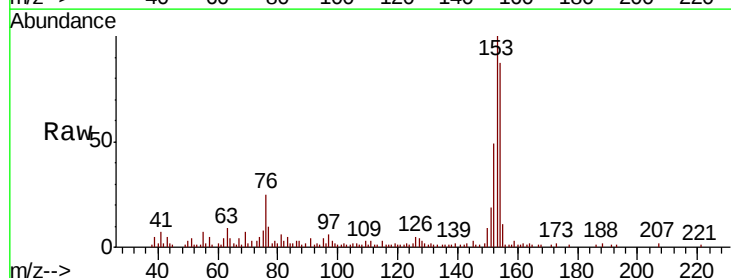
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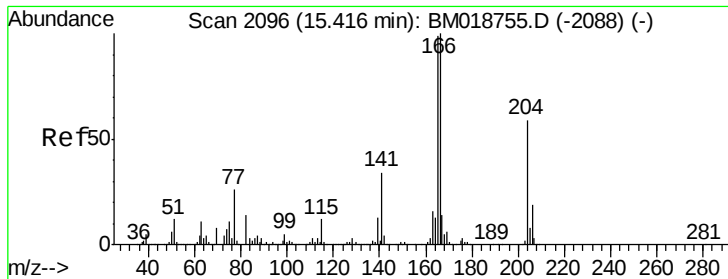
Tgt Ion:172 Resp: 1087878
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.6 18.6 28.0



#52
Acenaphthene
Concen: 2.033 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion:154 Resp: 65222
Ion Ratio Lower Upper
154 100
153 114.5 91.3 136.9
152 55.7 42.2 63.4





#58

Fluorene

Concen: 3.137 ng

RT: 15.40 min Scan# 2093

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

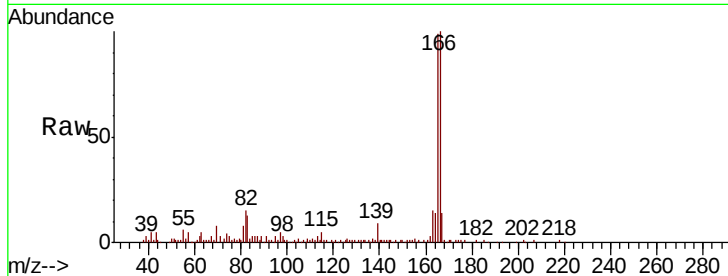
Tgt Ion:166 Resp: 126573

Ion Ratio Lower Upper

166 100

165 98.8 79.1 118.7

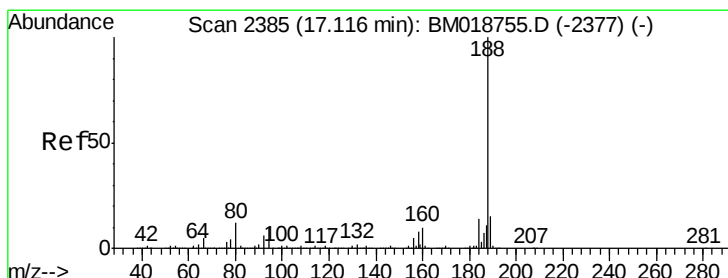
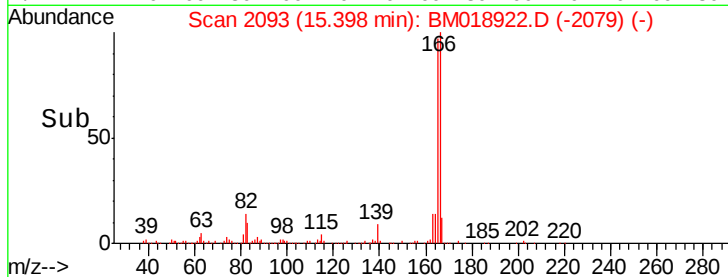
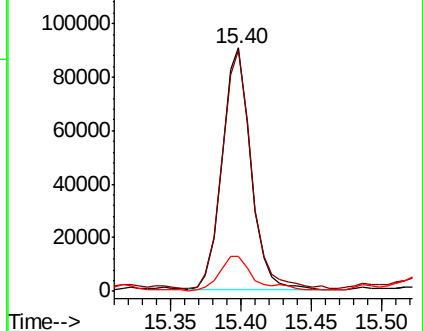
167 14.1 11.0 16.4



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: BM018922.D

Acq: 25 Feb 2019 20:23

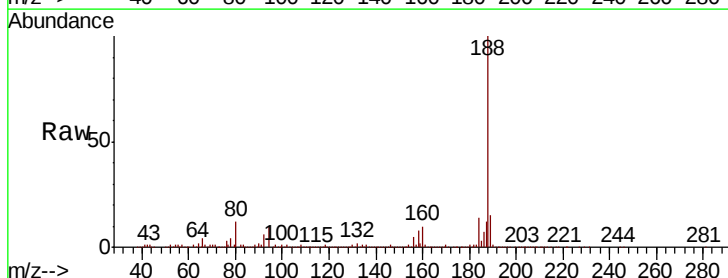
Tgt Ion:188 Resp: 1104332

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.2

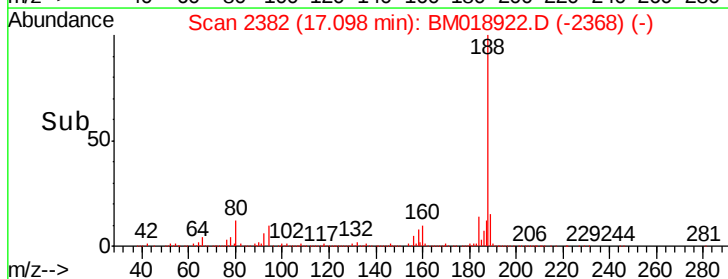
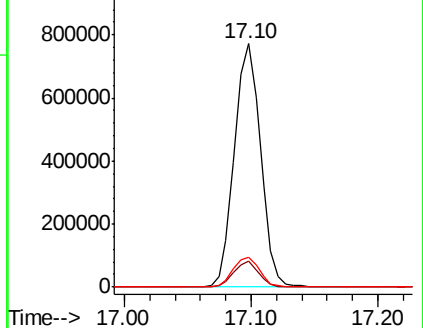
80 12.4 9.7 14.5

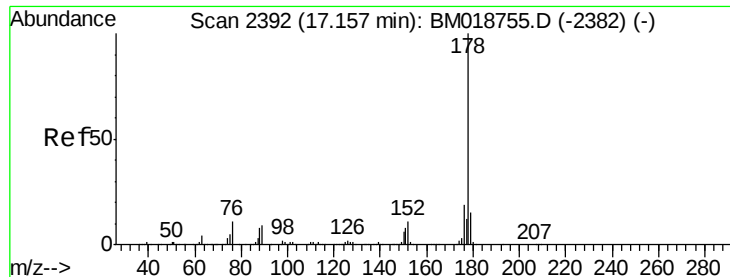


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

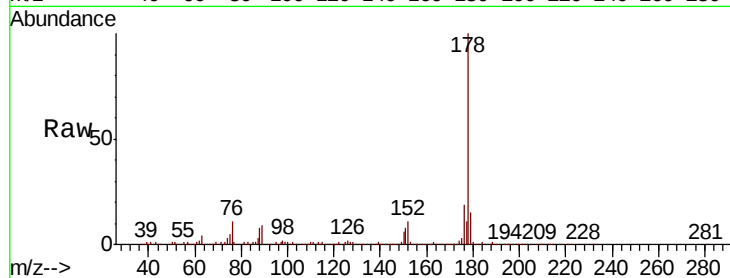




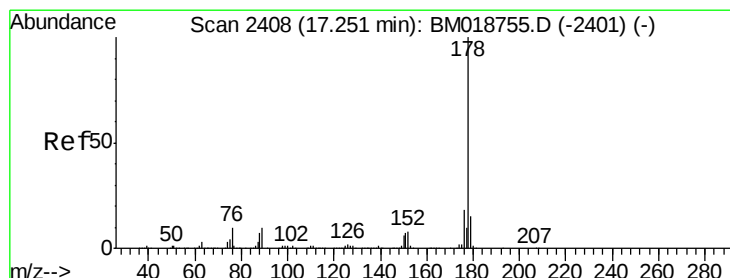
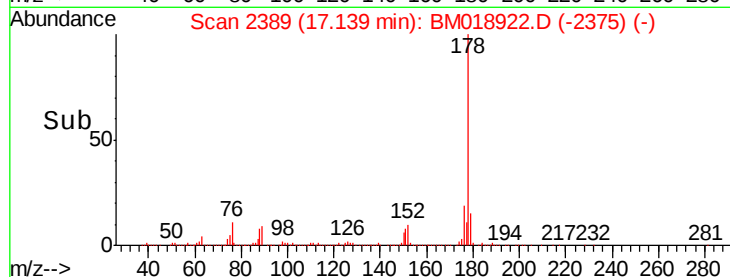
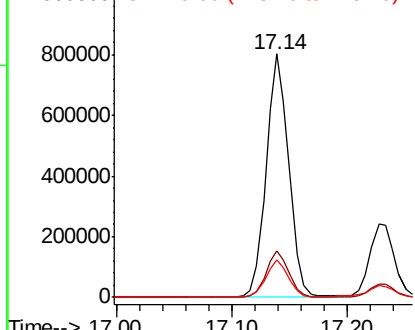
#71
Phenanthrene
Concen: 18.401 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Instrument :
BNA_M
ClientSampleId :
SU-02-022219-A

Tgt Ion:178 Resp: 1092057
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.3 18.5

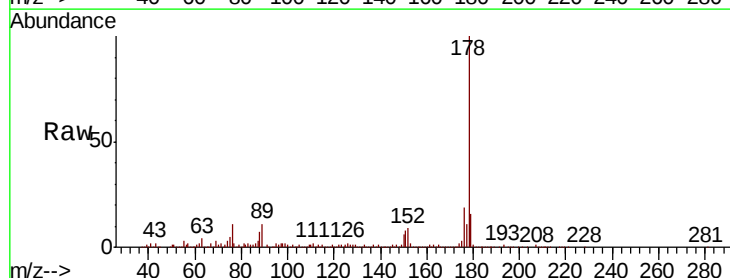


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

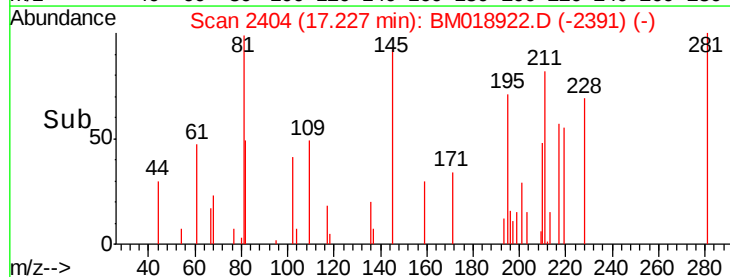
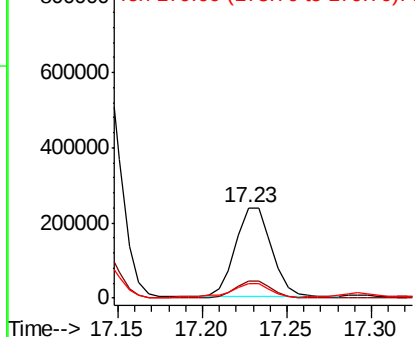


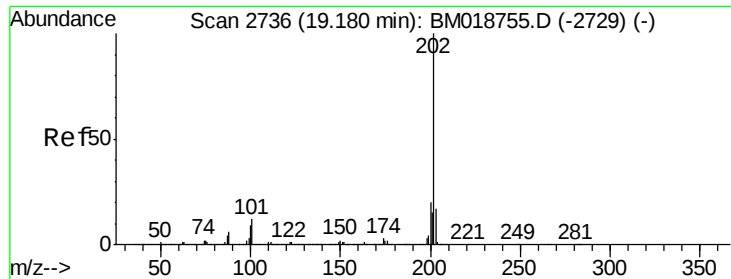
#72
Anthracene
Concen: 6.068 ng
RT: 17.23 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion:178 Resp: 350538
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.6 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: 21.310 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

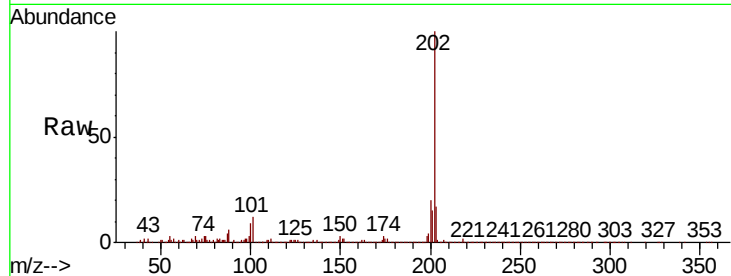
Tgt Ion:202 Resp: 1460936

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.5

203 17.0 0.0 37.3

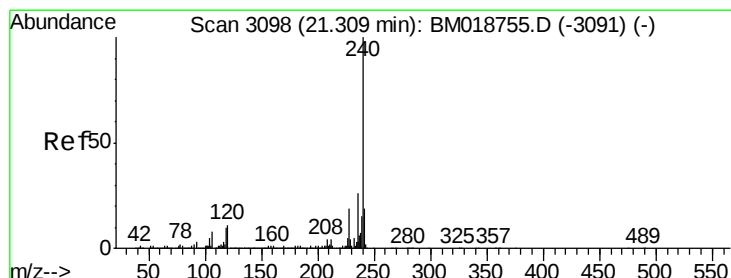
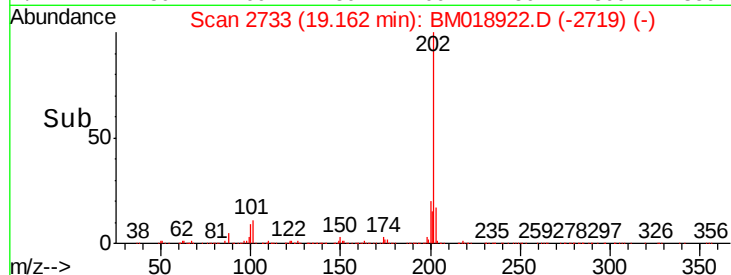
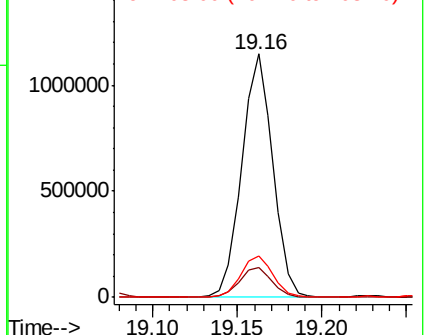


Abundance

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: BM018922.D

Acq: 25 Feb 2019 20:23

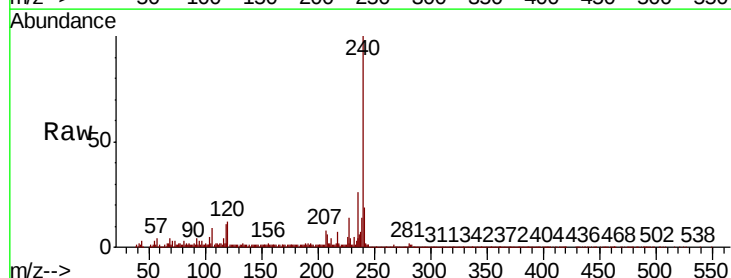
Tgt Ion:240 Resp: 1055156

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

236 25.9 20.9 31.3

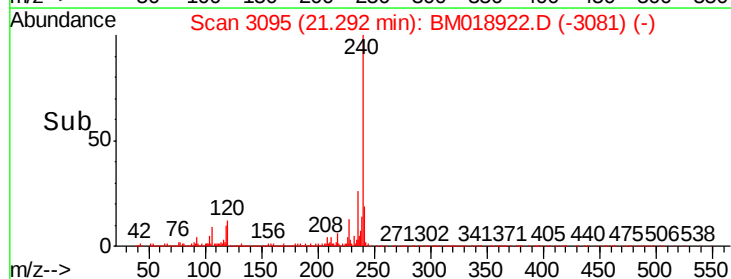
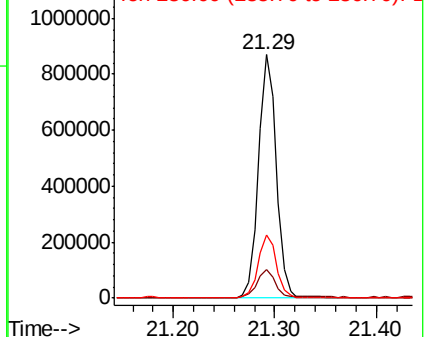


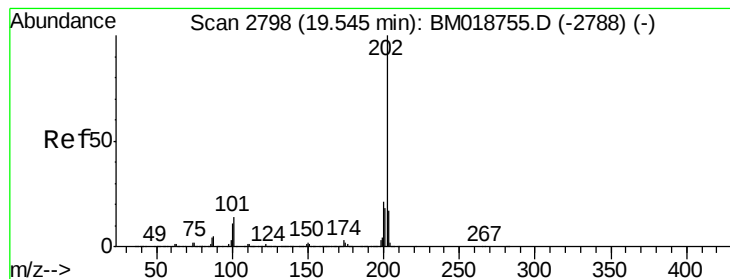
Abundance

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: 19.281 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

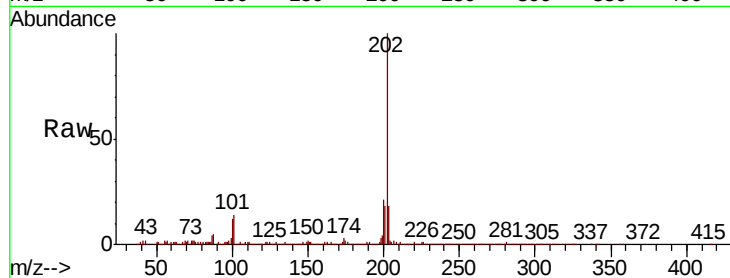
Tgt Ion:202 Resp: 1181576

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.6 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

1200000

1000000

800000

600000

400000

200000

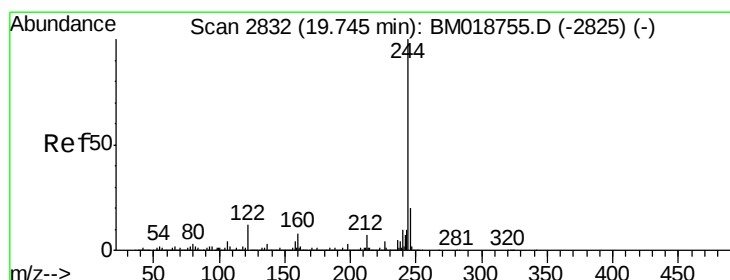
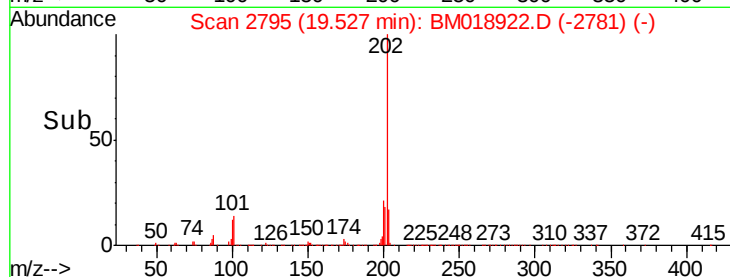
0

19.53

19.50

19.60

Time-->



#79

Terphenyl-d14

Concen: 26.324 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

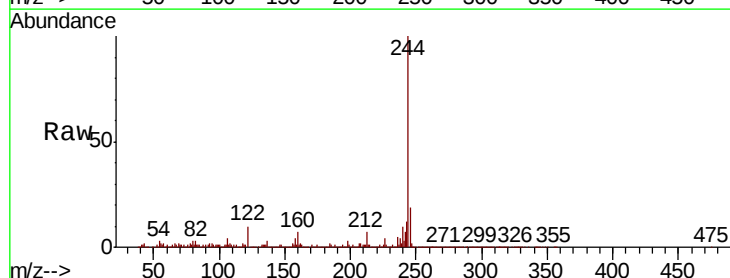
Tgt Ion:244 Resp: 1346450

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.1 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

1500000

1000000

500000

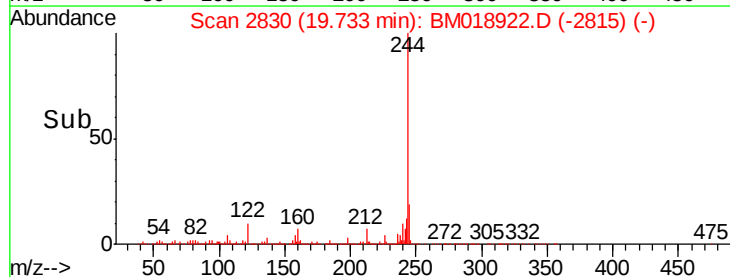
0

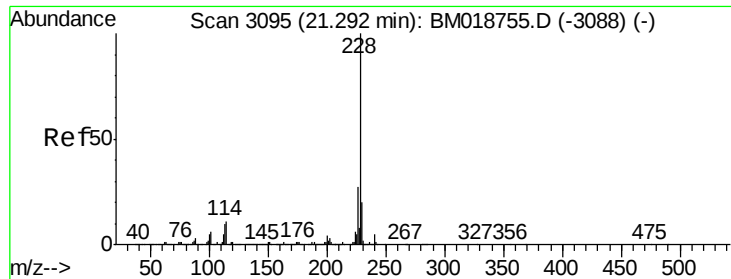
19.73

19.70

19.80

Time-->

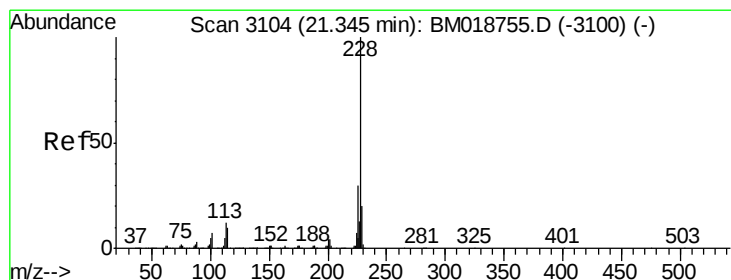
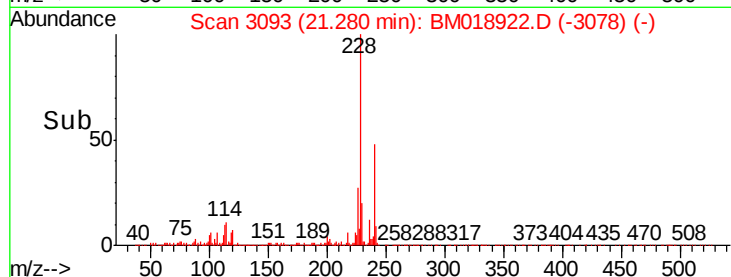
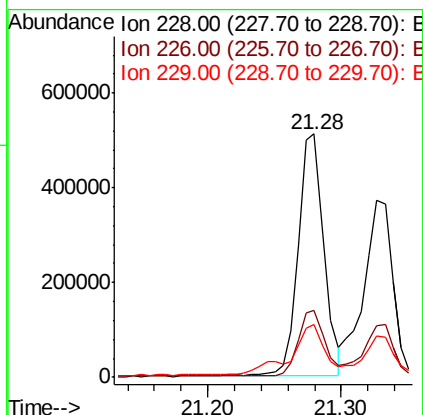
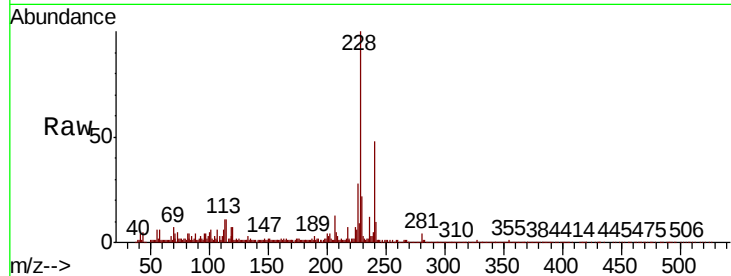




#81
Benzo(a)anthracene
Concen: 10.929 ng
RT: 21.28 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

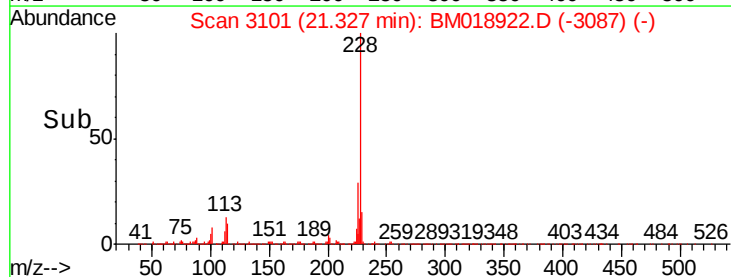
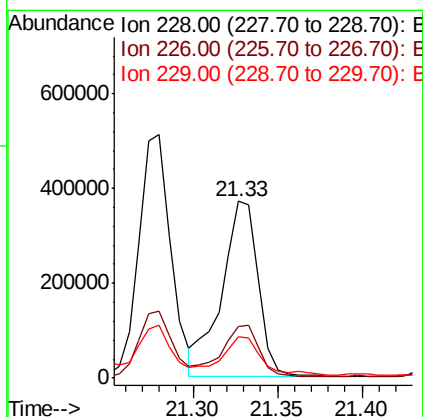
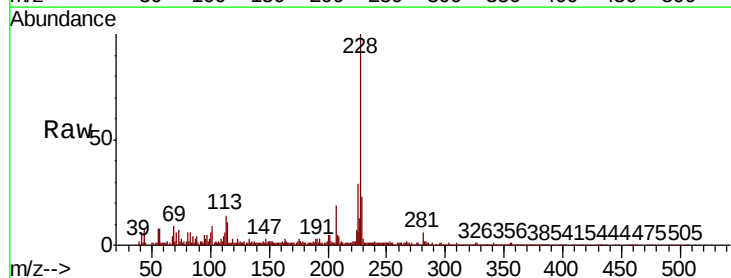
Instrument :
BNA_M
ClientSampleId :
SU-02-022219-A

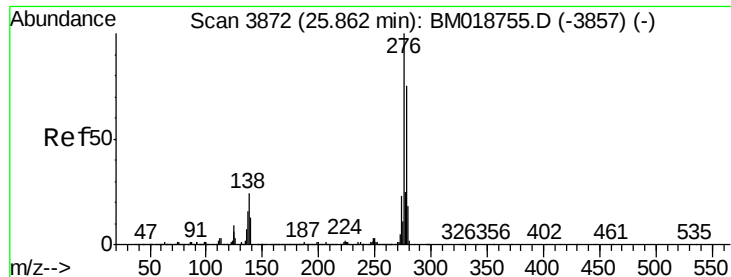
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	21.6	15.9	23.9



#83
Chrysene
Concen: 9.431 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018922.D
Acq: 25 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	23.1	16.0	24.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.893 ng

RT: 25.82 min Scan# 3865

Delta R.T. -0.04 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

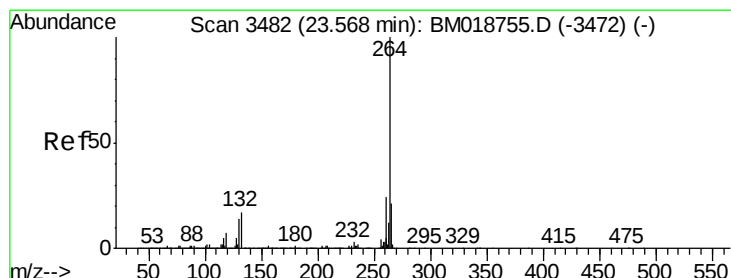
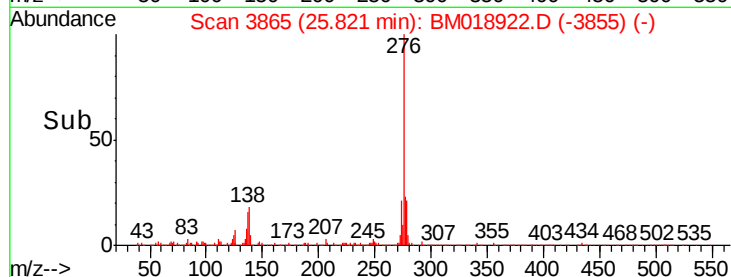
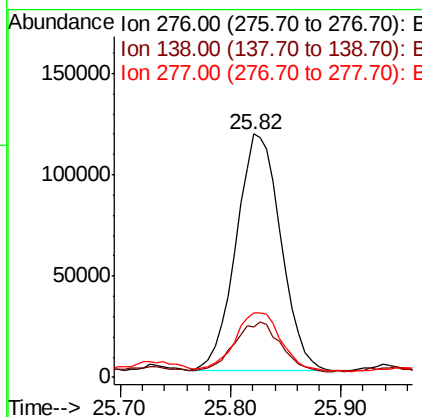
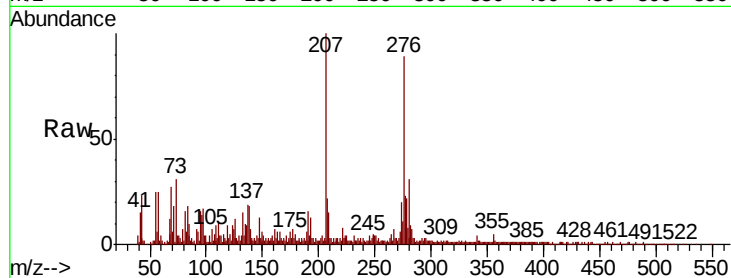
Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

Tgt Ion:	276	Resp:	333025
Ion Ratio	Lower	Upper	
276	100		
138	22.0	20.2	30.4
277	25.8	20.3	30.5



#87

Perylene-d12

Concen: 20.000 ng

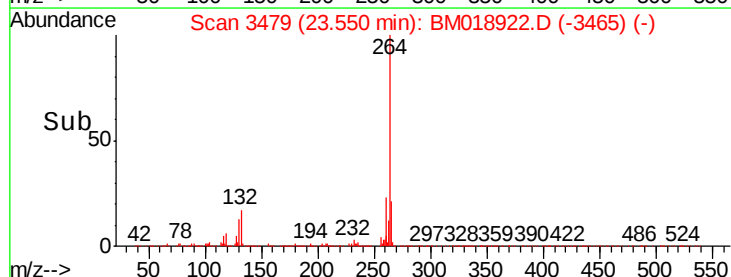
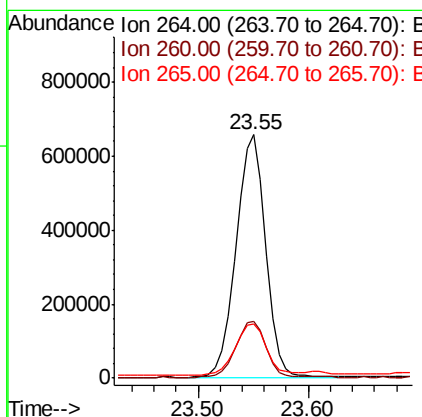
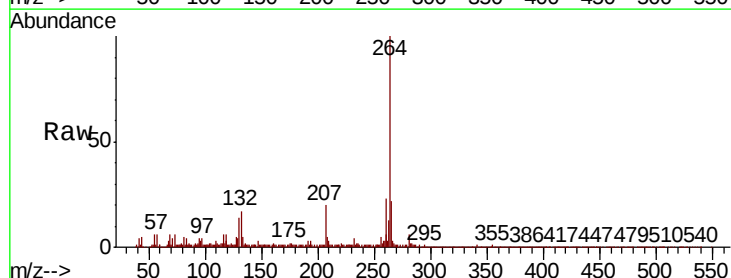
RT: 23.55 min Scan# 3479

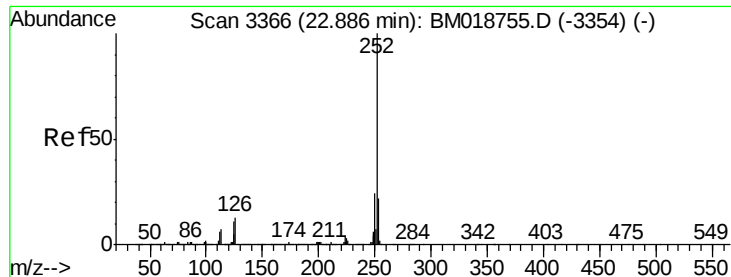
Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Tgt Ion:	264	Resp:	1231025
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.9	28.3
265	22.4	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 10.551 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.02 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

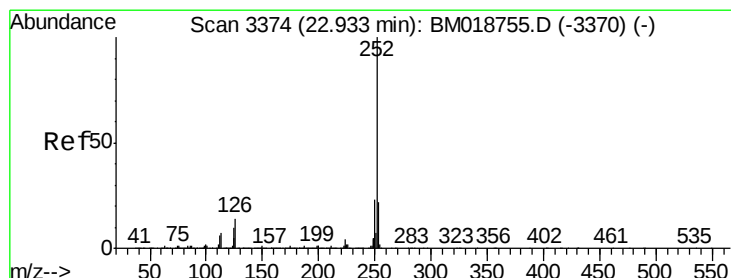
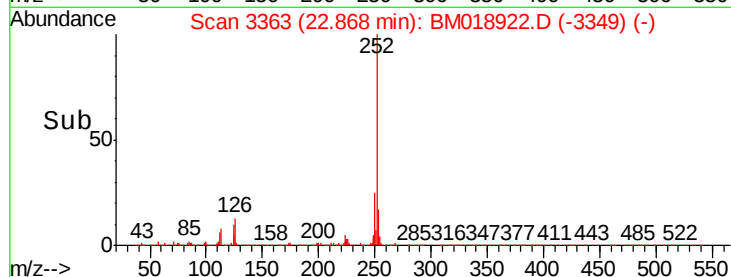
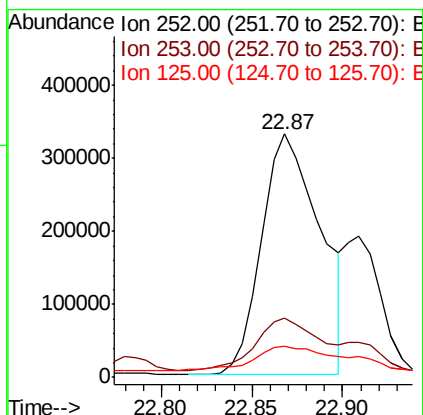
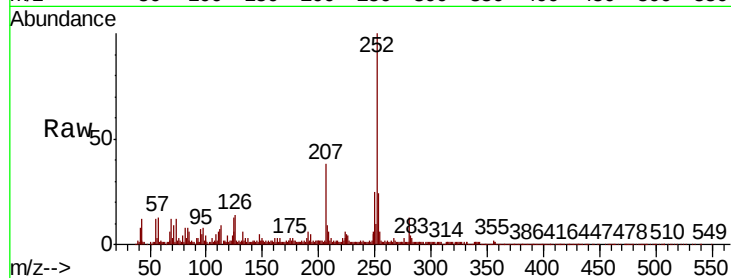
Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

Tgt Ion:	252	Resp:	743158
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	12.7	8.6	12.8



#89

Benzo(k)fluoranthene

Concen: 10.560 ng

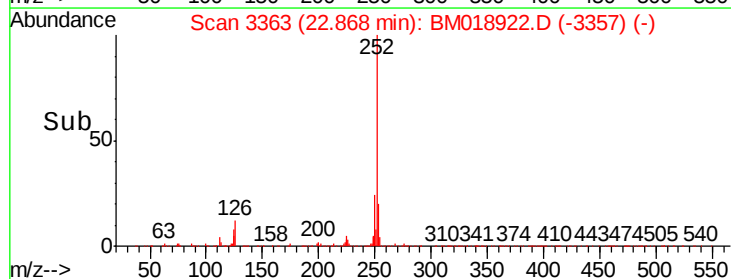
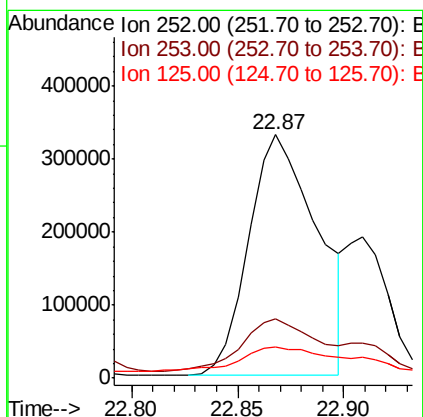
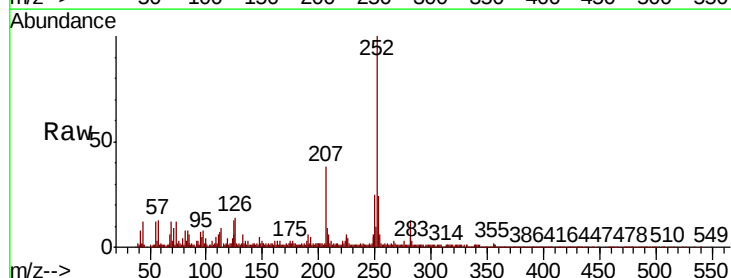
RT: 22.87 min Scan# 3363

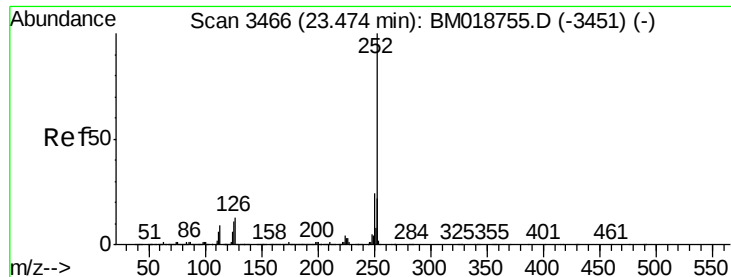
Delta R.T. -0.06 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Tgt Ion:	252	Resp:	740481
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.7	26.5
125	12.7	8.2	12.4#





#90

Benzo(a)pyrene

Concen: 8.386 ng

RT: 23.44 min Scan# 3461

Delta R.T. -0.03 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-A

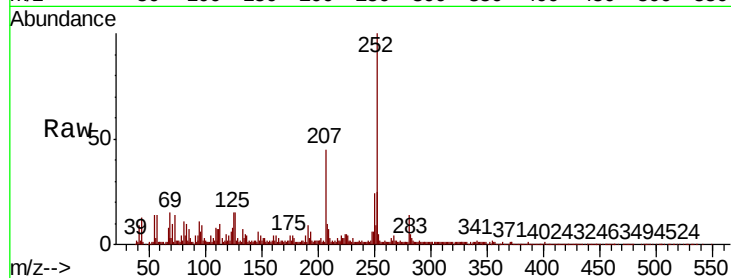
Tgt Ion:252 Resp: 559499

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

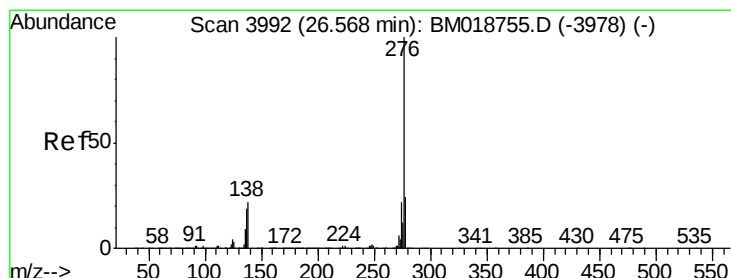
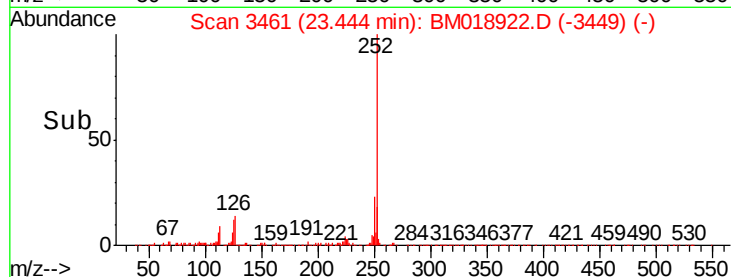
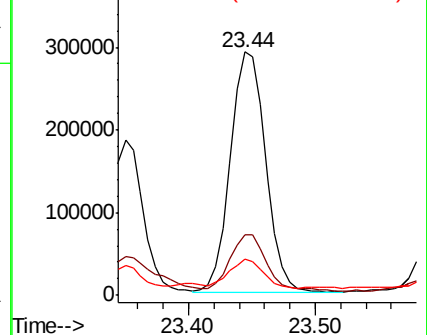
125 14.8 8.6 13.0#



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: 4.807 ng

RT: 26.53 min Scan# 3986

Delta R.T. -0.04 min

Lab File: BM018922.D

Acq: 25 Feb 2019 20:23

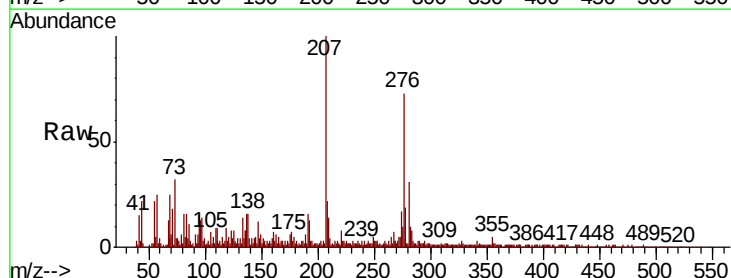
Tgt Ion:276 Resp: 295800

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 22.4 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

