

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022619\
 Data File : BM018944.D
 Acq On : 27 Feb 2019 00:03
 Operator : JU/SJ
 Sample : K1356-11RE 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Feb 27 01:13:13 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	333822	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	1213473	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	585722	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	1202779	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1304399	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1434093	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1026285	50.37	ng	-0.02
7) Phenol-d6	6.87	99	1391315	48.47	ng	-0.02
23) Nitrobenzene-d5	8.86	82	880379	33.55	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	379246	44.92	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	1393342	31.58	ng	-0.02
79) Terphenyl-d14	19.73	244	1763162	27.88	ng	-0.01

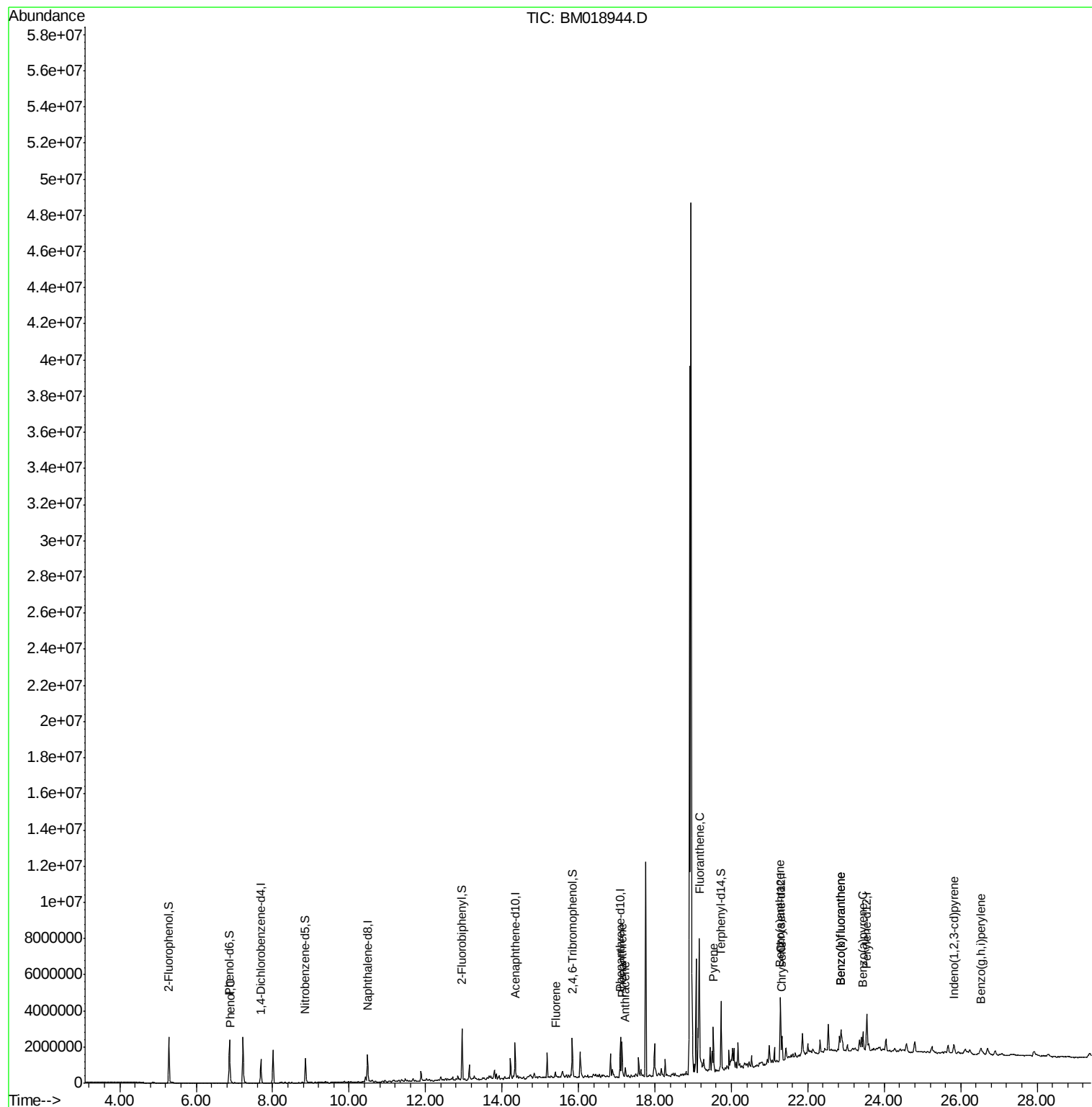
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.87	77	5452	Below Cal		# 16
10) Phenol	6.89	94	102812	3.404	ng	95
58) Fluorene	15.40	166	127718	2.857	ng	99
71) Phenanthrene	17.14	178	1026807	15.885	ng	99
72) Anthracene	17.23	178	330750	5.257	ng	99
75) Fluoranthene	19.16	202	1678341	22.478	ng	97
78) Pyrene	19.53	202	1389584	18.342	ng	100
81) Benzo(a)anthracene	21.27	228	809464	10.646	ng	98
83) Chrysene	21.33	228	692221	9.498	ng	97
86) Indeno(1,2,3-cd)pyrene	25.83	276	447655	5.320	ng	95
88) Benzo(b)fluoranthene	22.87	252	981760	11.965	ng	95
89) Benzo(k)fluoranthene	22.87	252	979907	11.996	ng	# 95
90) Benzo(a)pyrene	23.44	252	682994	8.787	ng	# 95
92) Benzo(g,h,i)perylene	26.53	276	405677	5.659	ng	98

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

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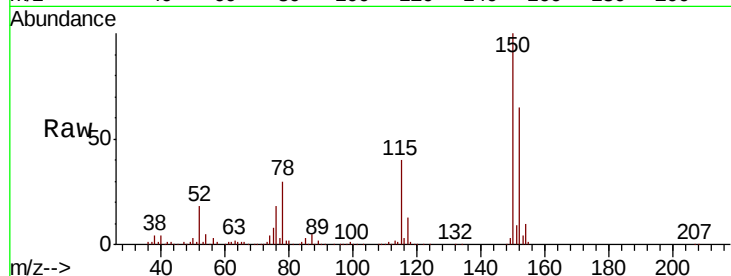


#1

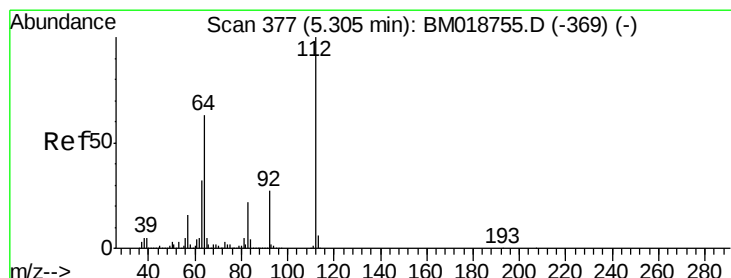
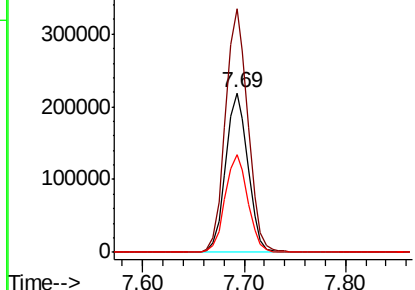
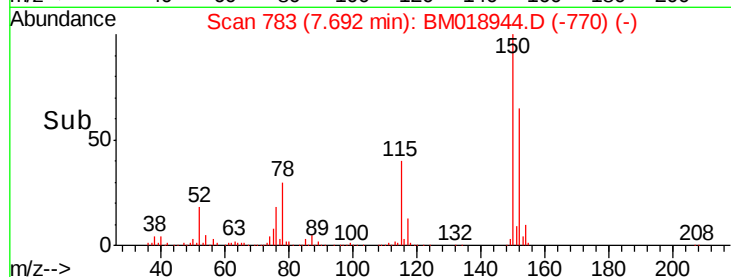
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

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

Tgt Ion:152 Resp: 333822
Ion Ratio Lower Upper
152 100
150 152.7 127.3 190.9
115 61.3 50.8 76.2



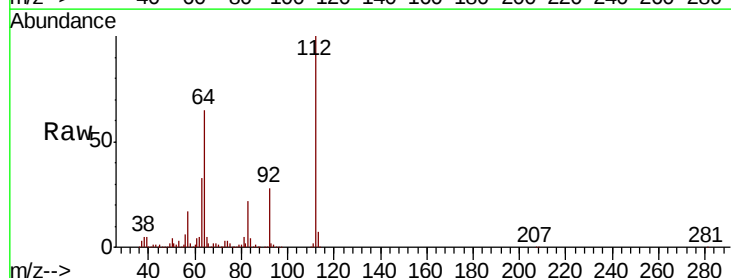
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



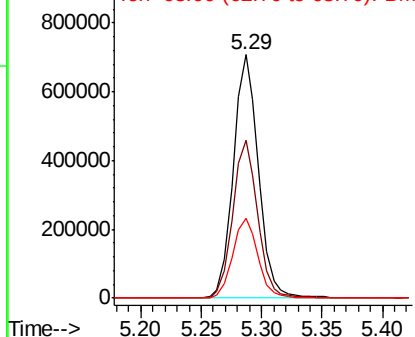
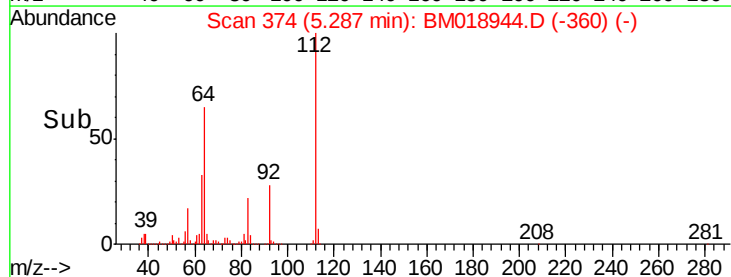
#5

2-Fluorophenol
Concen: 50.372 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion:112 Resp: 1026285
Ion Ratio Lower Upper
112 100
64 64.8 50.6 75.8
63 32.6 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: 48.475 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

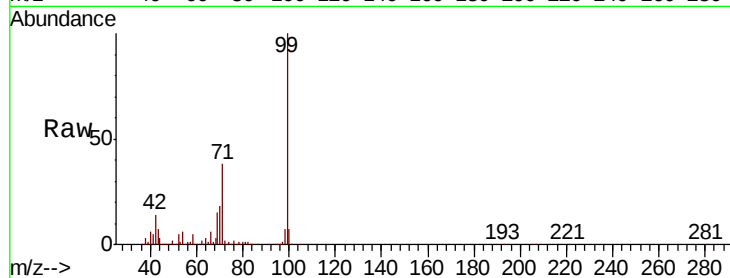
Tgt Ion: 99 Resp: 1391315

Ion Ratio Lower Upper

99 100

42 13.6 11.0 16.6

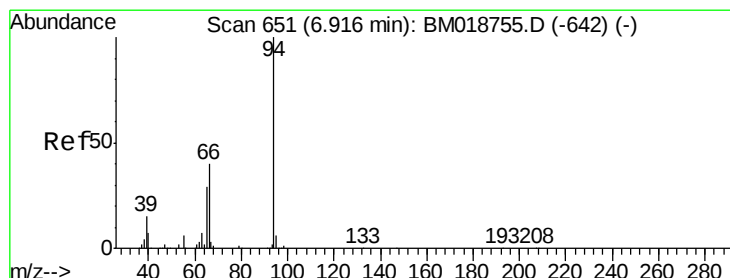
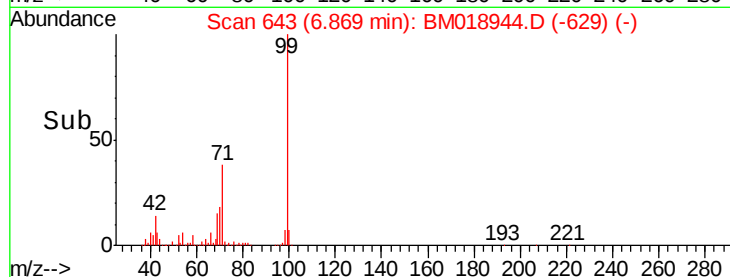
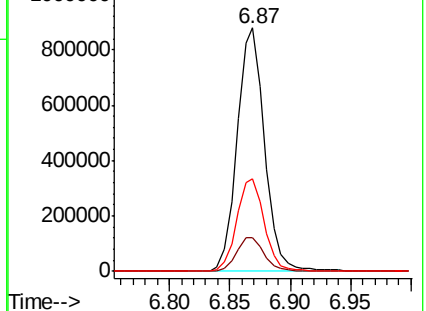
71 37.8 31.3 46.9



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: 3.404 ng

RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

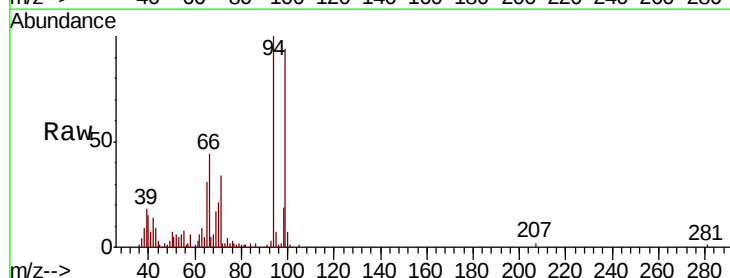
Tgt Ion: 94 Resp: 102812

Ion Ratio Lower Upper

94 100

65 30.6 9.6 49.6

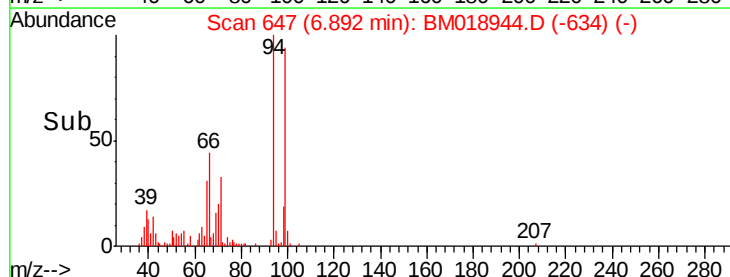
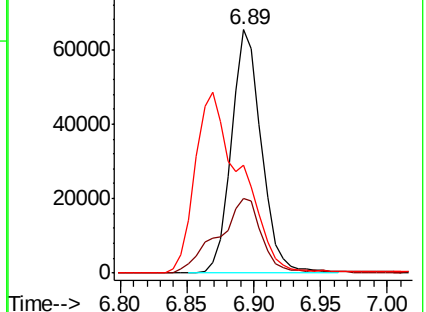
66 44.5 20.4 60.4

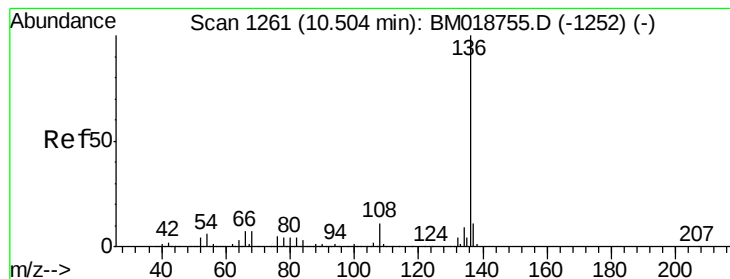


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

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: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

Tgt Ion:136 Resp: 1213473

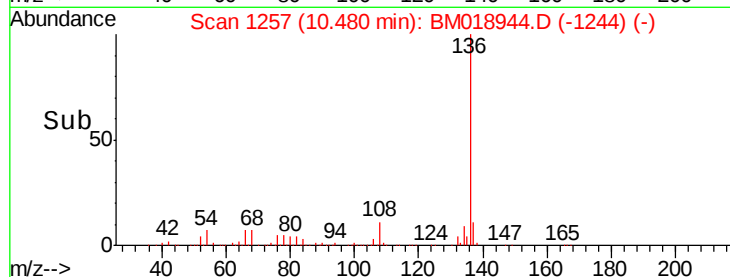
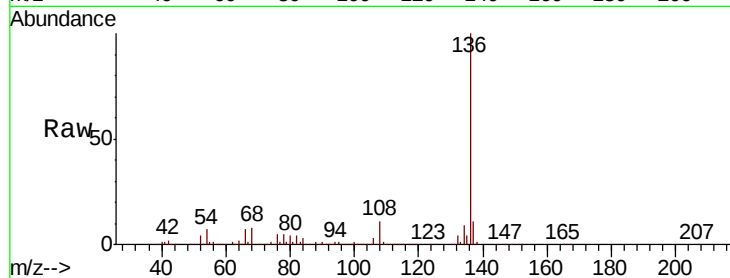
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.8 5.0 7.6

68 7.6 5.5 8.3

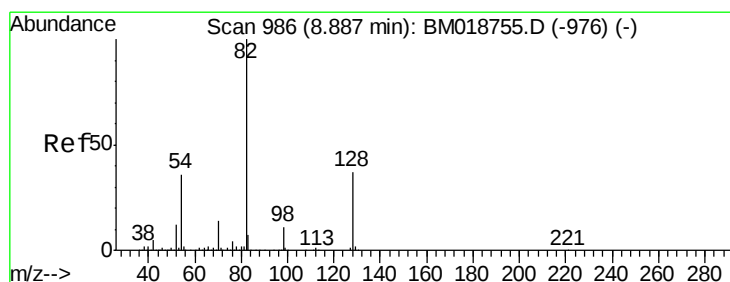
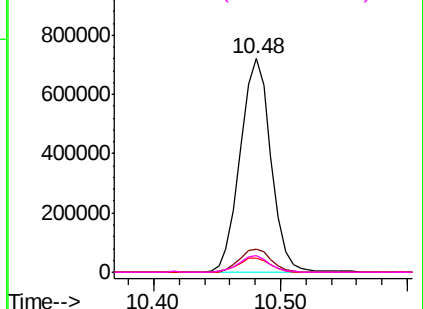


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.546 ng

RT: 8.86 min Scan# 981

Delta R.T. -0.03 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

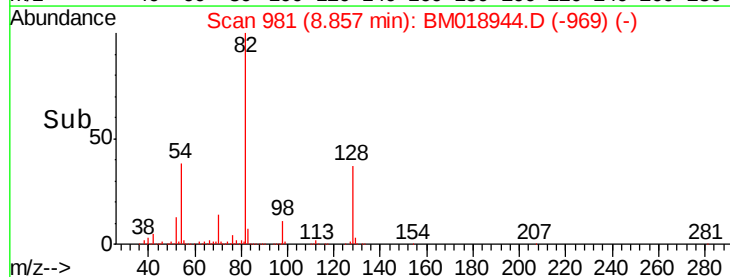
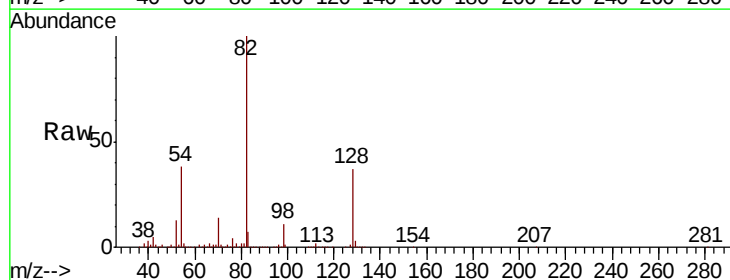
Tgt Ion: 82 Resp: 880379

Ion Ratio Lower Upper

82 100

128 36.7 29.9 44.9

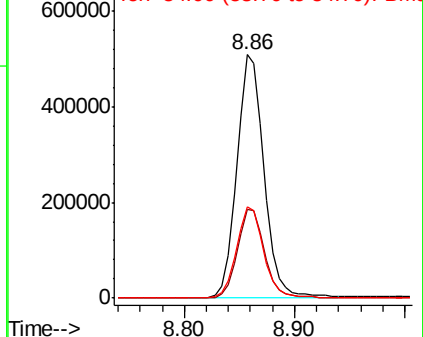
54 37.8 29.1 43.7

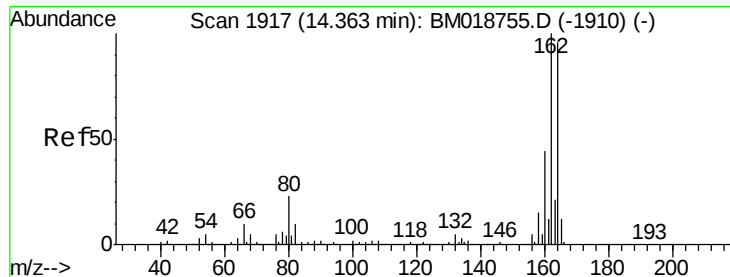


Abundance Ion 82.00 (81.70 to 82.70): BM

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: 14.34 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

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ClientSampleId :

SU-02-022219-B

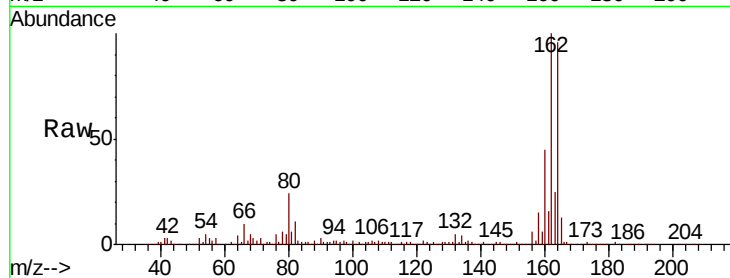
Tgt Ion:164 Resp: 585722

Ion Ratio Lower Upper

164 100

162 104.1 83.4 125.0

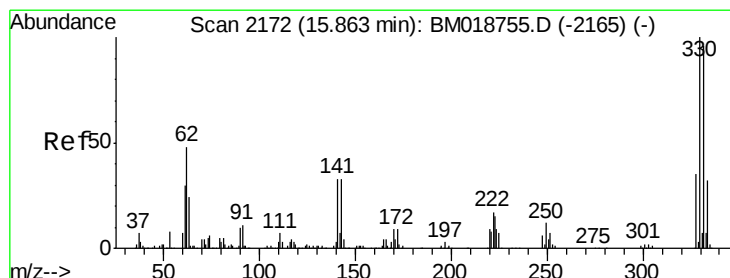
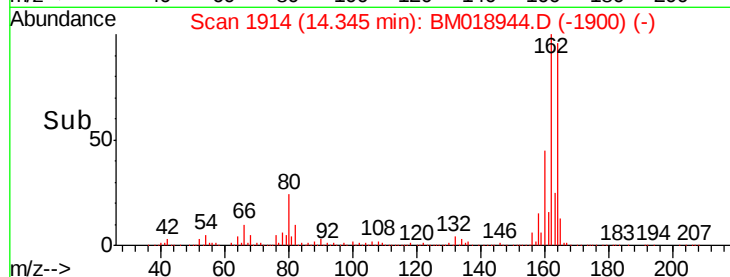
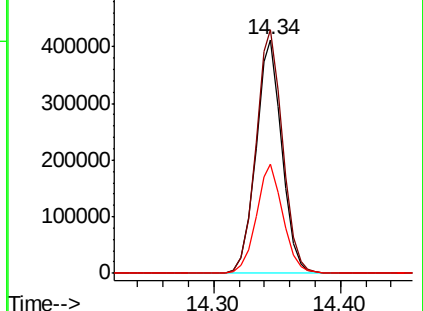
160 46.5 36.6 55.0



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: 44.918 ng

RT: 15.84 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

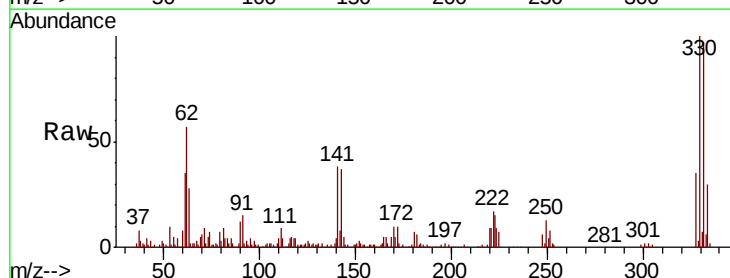
Tgt Ion:330 Resp: 379246

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

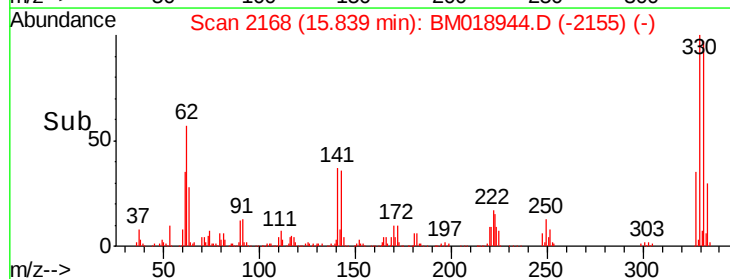
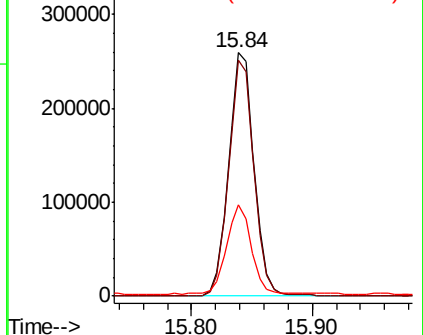
141 36.0 28.7 43.1



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

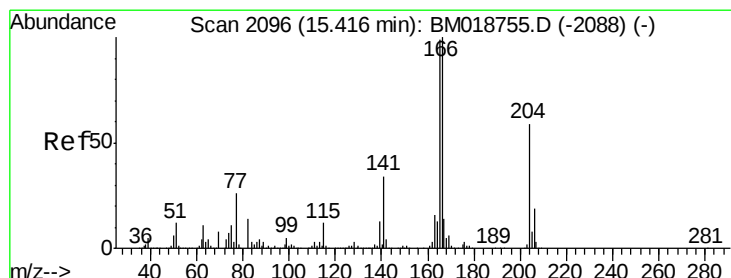
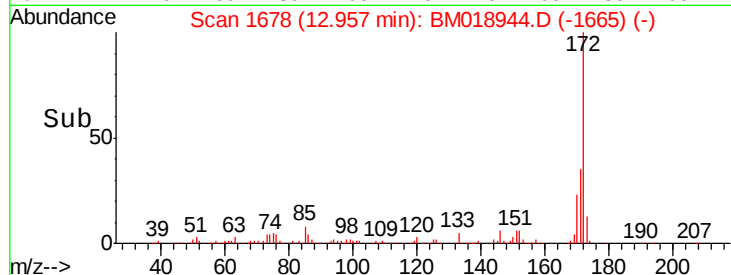
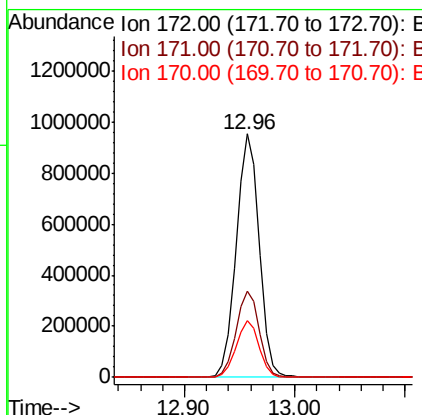
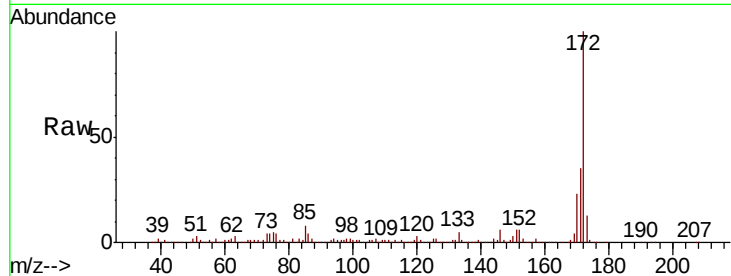




#45
2-Fluorobiphenyl
Concen: 31.579 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

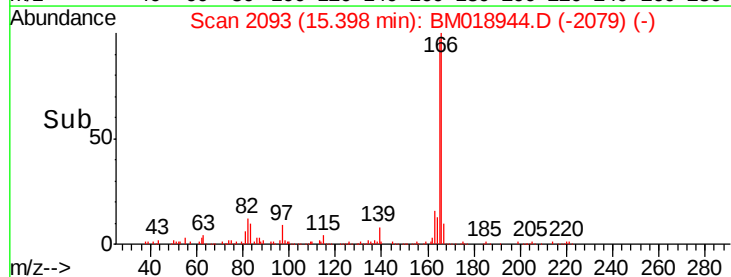
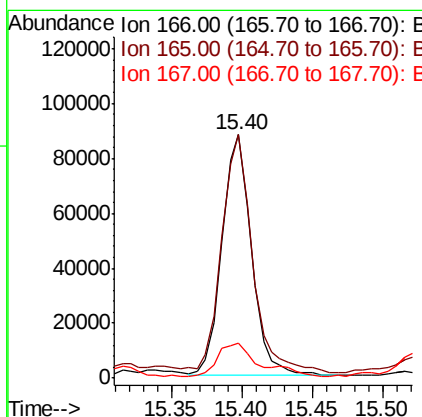
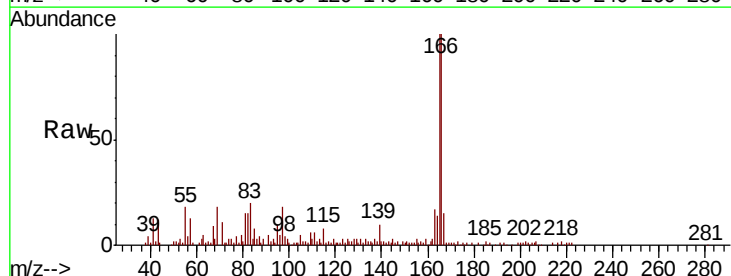
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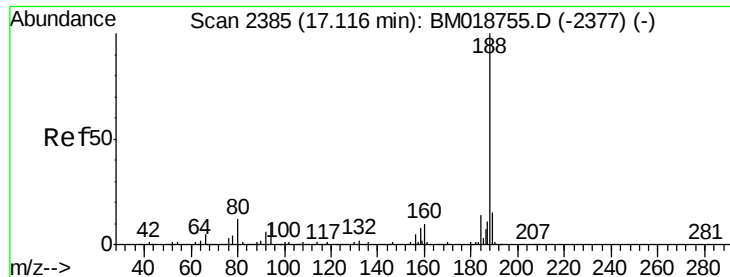
Tgt Ion:172 Resp: 1393342
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.3 18.6 28.0



#58
Fluorene
Concen: 2.857 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion:166 Resp: 127718
Ion Ratio Lower Upper
166 100
165 100.2 79.1 118.7
167 14.6 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

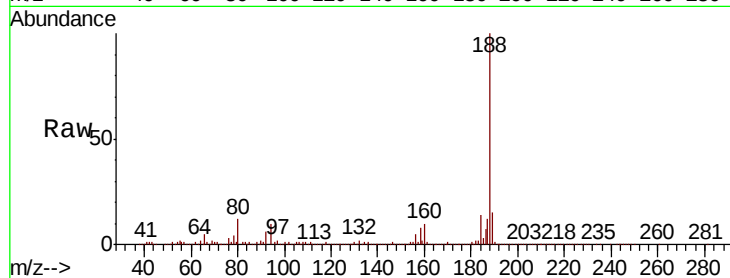
Tgt Ion:188 Resp: 1202779

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.2

80 12.2 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

1200000

1000000

800000

600000

400000

200000

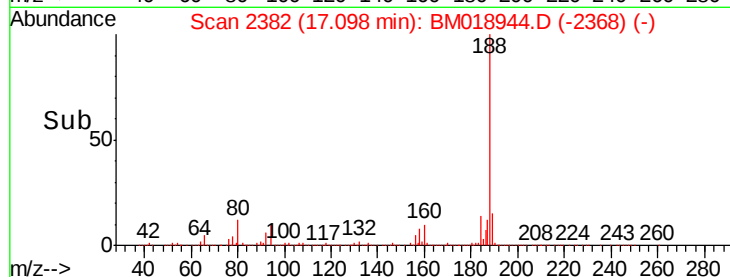
0

17.10

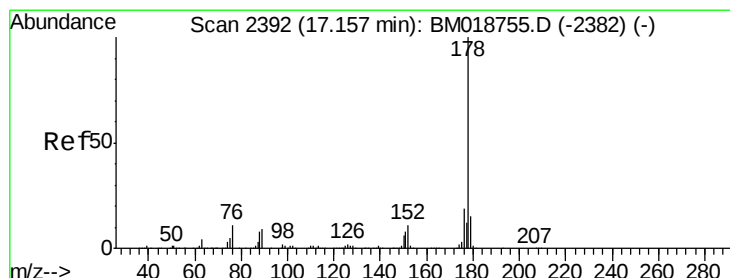
17.00

17.10

17.20



Time-->



#71

Phenanthrene

Concen: 15.885 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

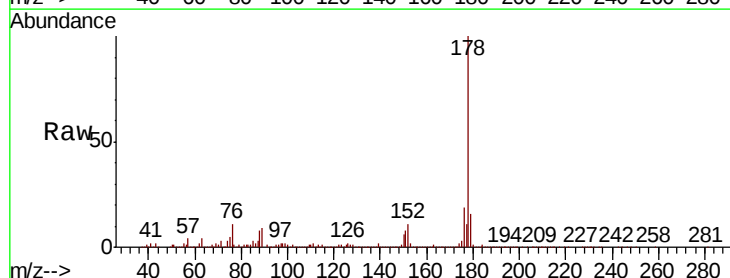
Tgt Ion:178 Resp: 1026807

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.8 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

1000000

800000

600000

400000

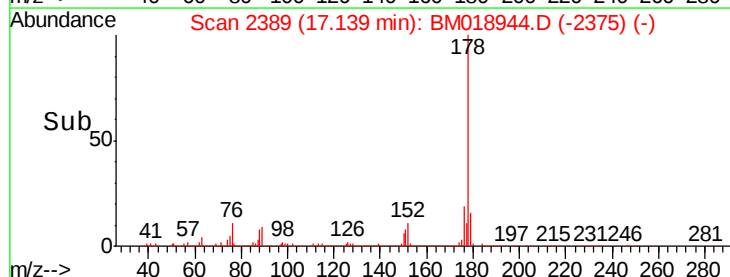
200000

0

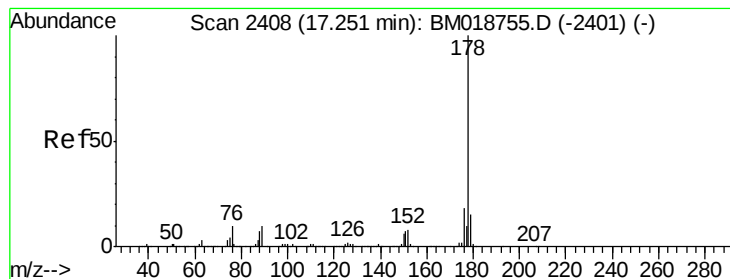
17.14

17.10

17.20



Time-->



#72

Anthracene

Concen: 5.257 ng

RT: 17.23 min Scan# 2404

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

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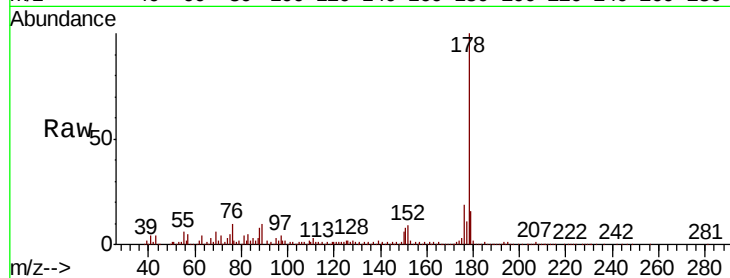
Tgt Ion:178 Resp: 330750

Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

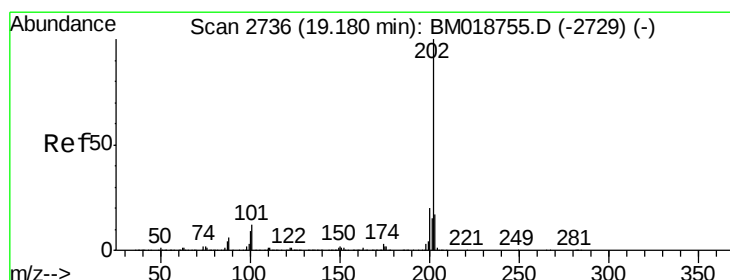
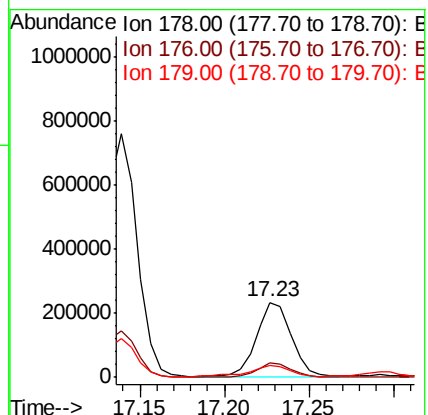
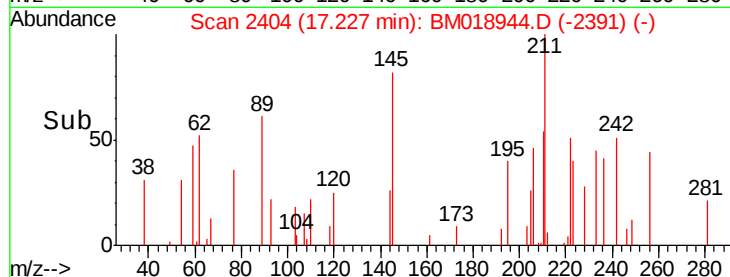
179 16.1 12.1 18.1



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: 22.478 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

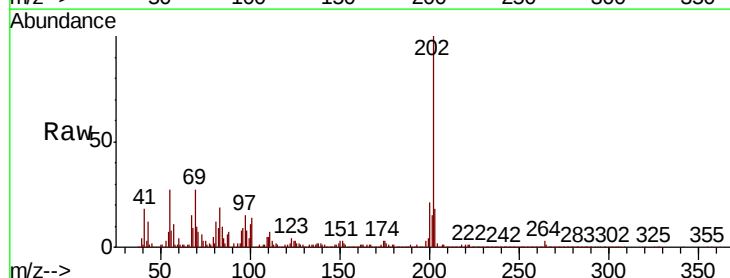
Tgt Ion:202 Resp: 1678341

Ion Ratio Lower Upper

202 100

101 13.8 0.0 31.5

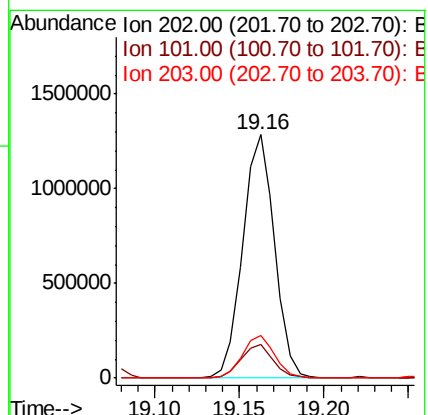
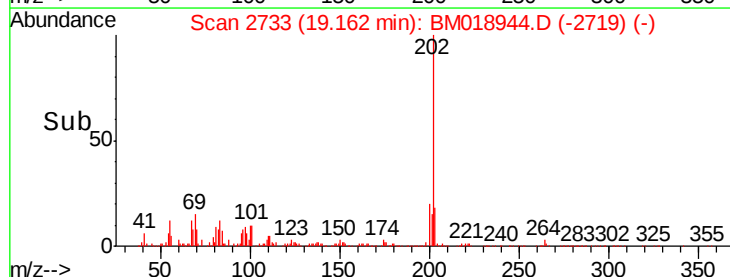
203 17.7 0.0 37.3

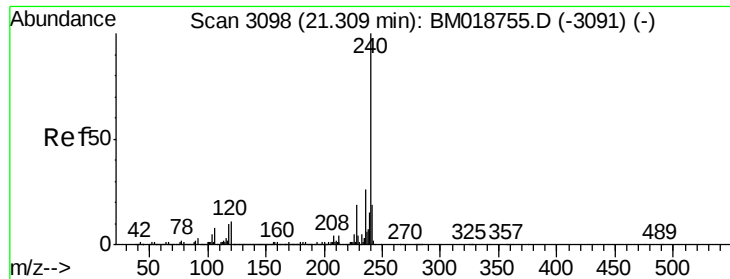


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

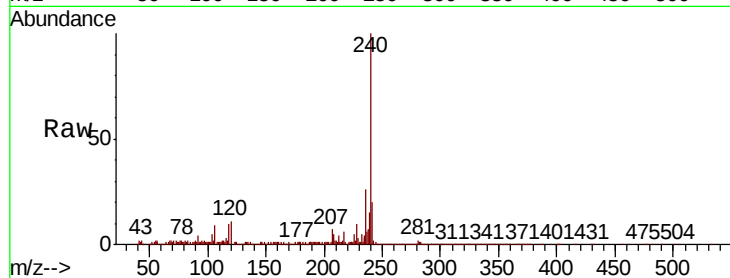
Tgt Ion:240 Resp: 1304399

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

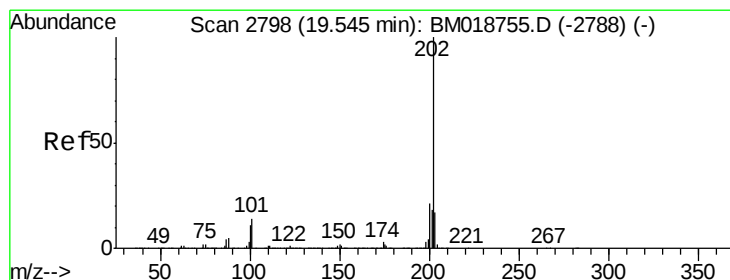
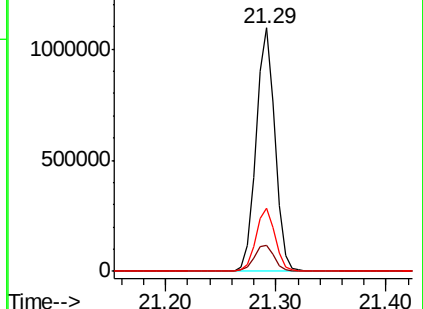
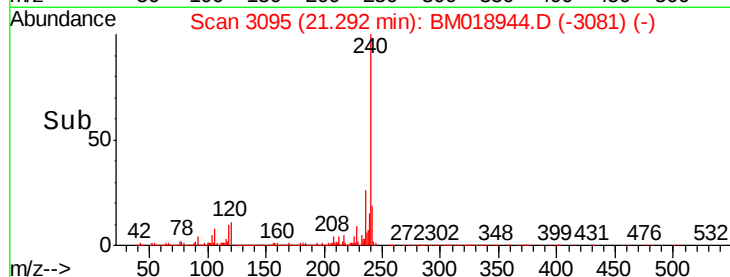
236 26.0 20.9 31.3



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: 18.342 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

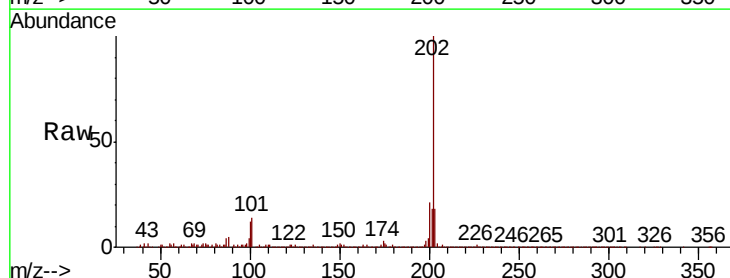
Tgt Ion:202 Resp: 1389584

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

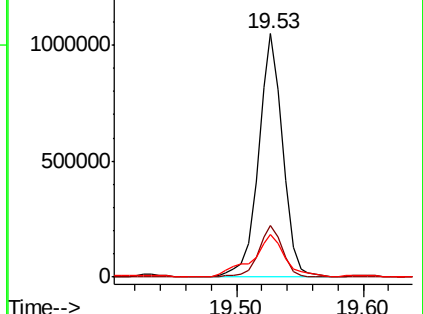
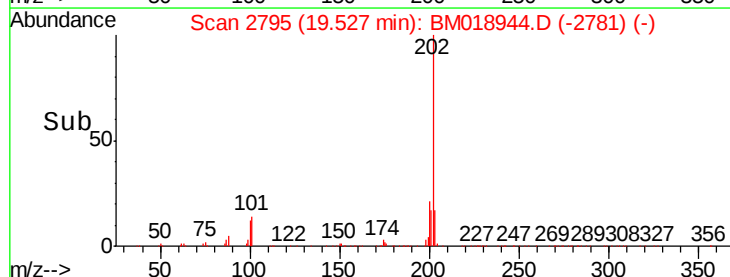
203 17.7 13.8 20.8

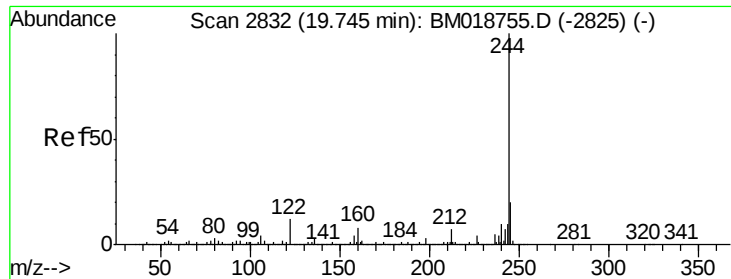


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 27.884 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

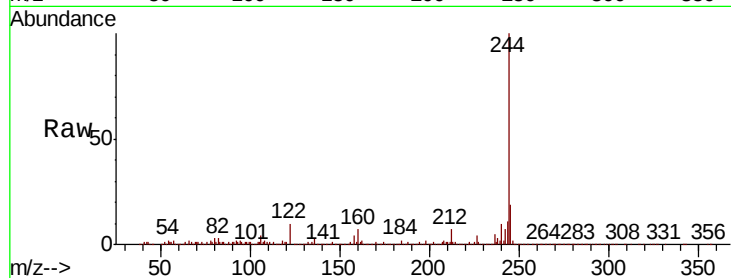
Tgt Ion:244 Resp: 1763162

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

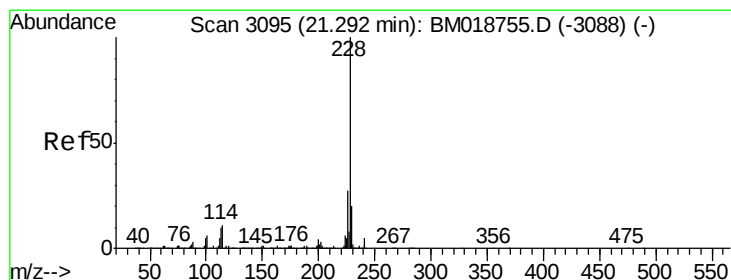
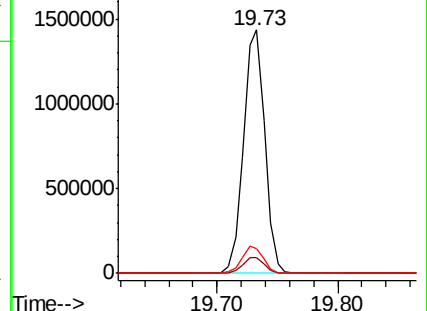
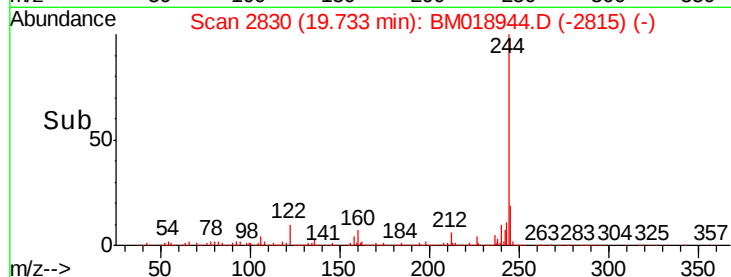
122 10.3 9.3 13.9



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: 10.646 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

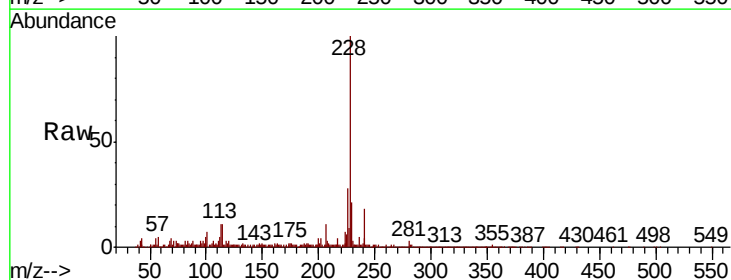
Tgt Ion:228 Resp: 809464

Ion Ratio Lower Upper

228 100

226 28.0 21.9 32.9

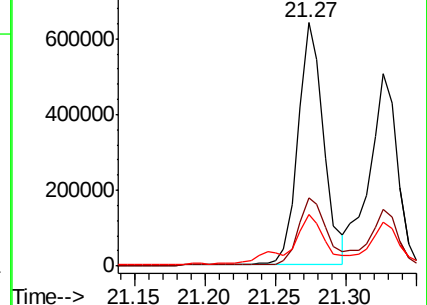
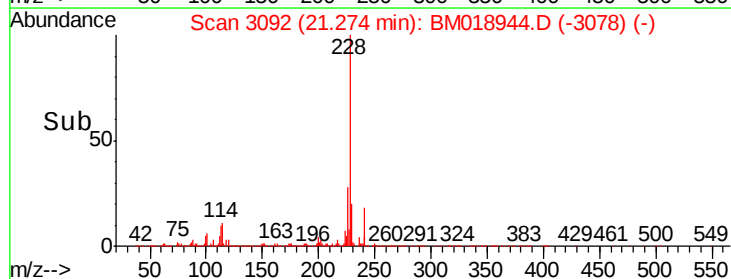
229 21.3 15.9 23.9

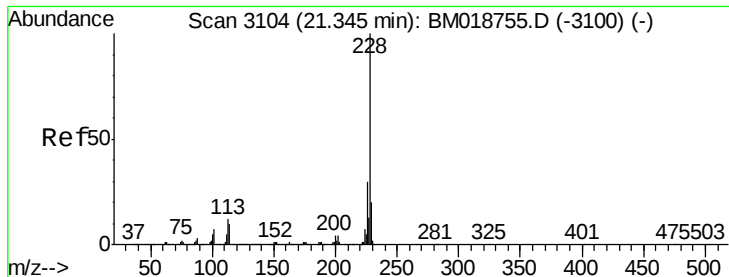


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.498 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

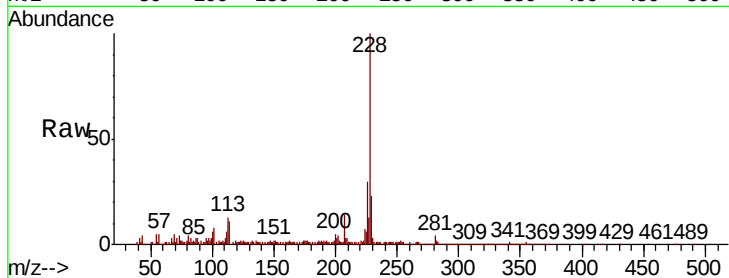
Tgt Ion:228 Resp: 692221

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

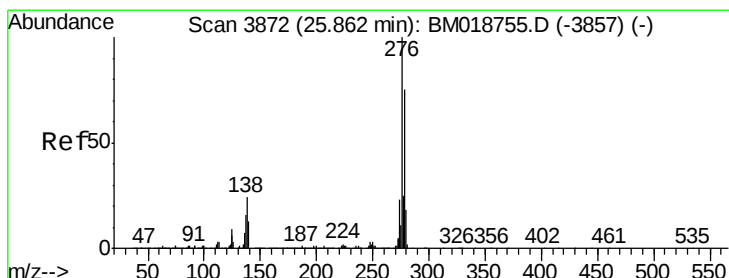
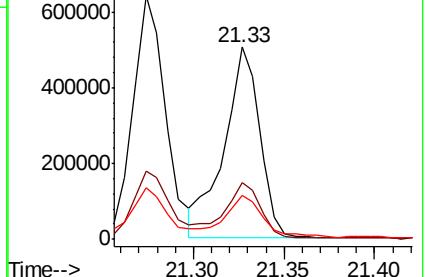
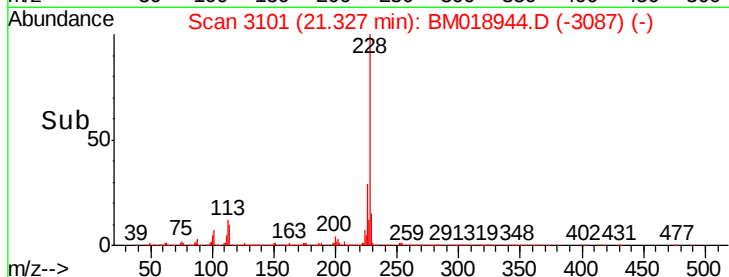
229 22.7 16.0 24.0



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: 5.320 ng

RT: 25.83 min Scan# 3866

Delta R.T. -0.04 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

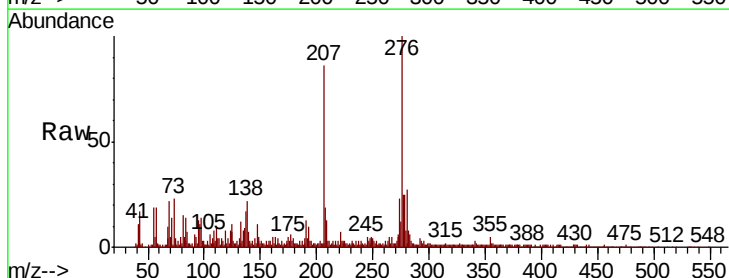
Tgt Ion:276 Resp: 447655

Ion Ratio Lower Upper

276 100

138 20.8 20.2 30.4

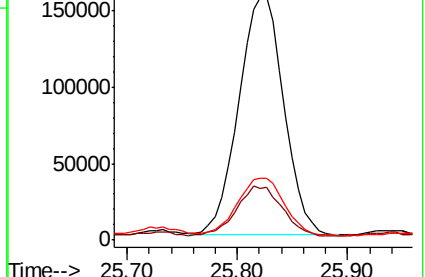
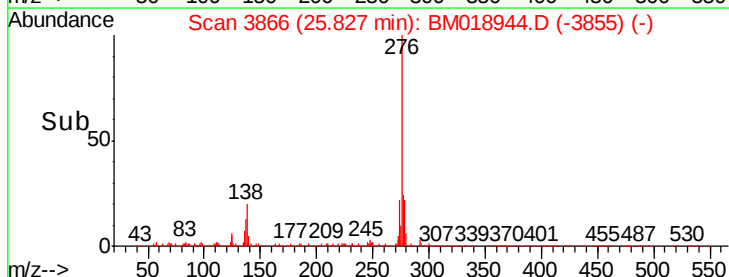
277 25.2 20.3 30.5

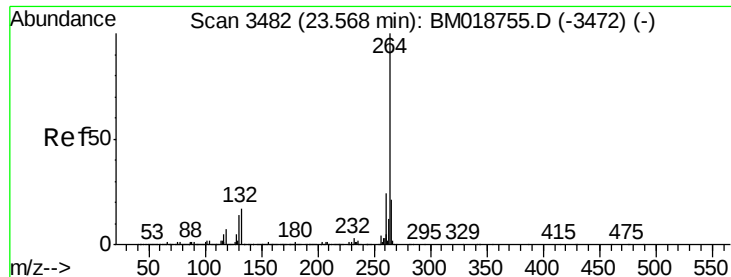


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



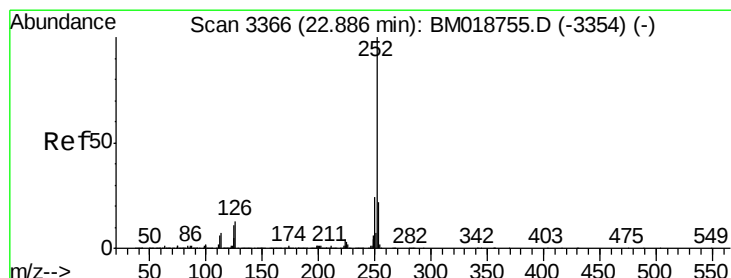
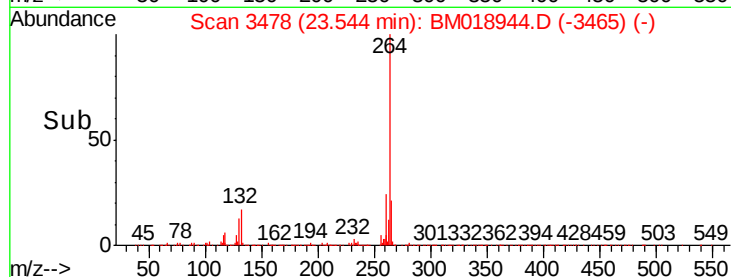
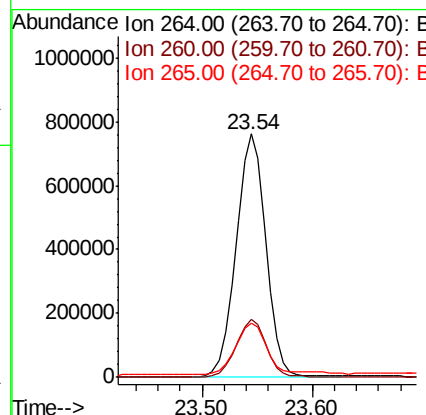
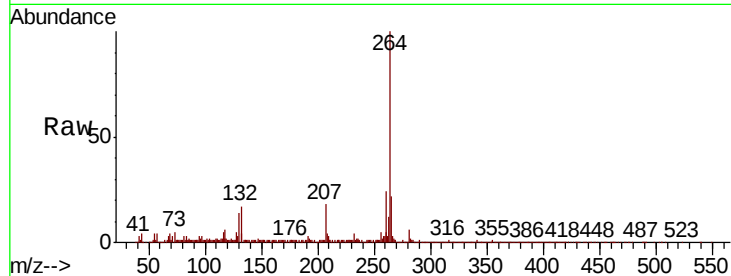


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3478
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

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

Tgt Ion:264 Resp: 1434093

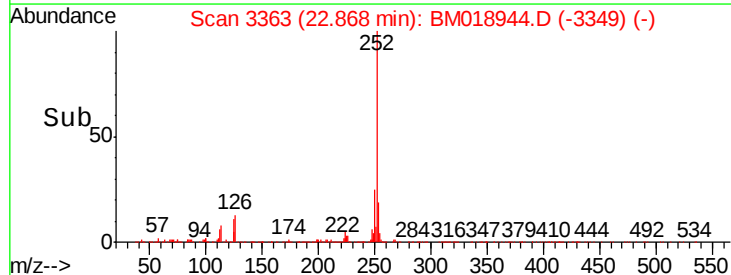
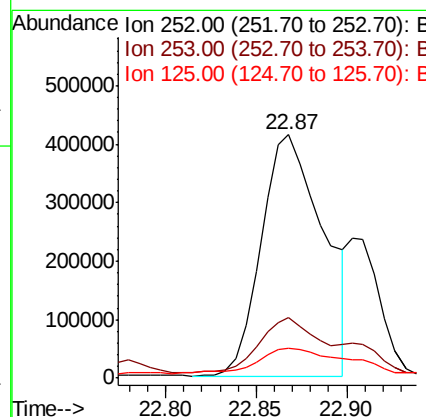
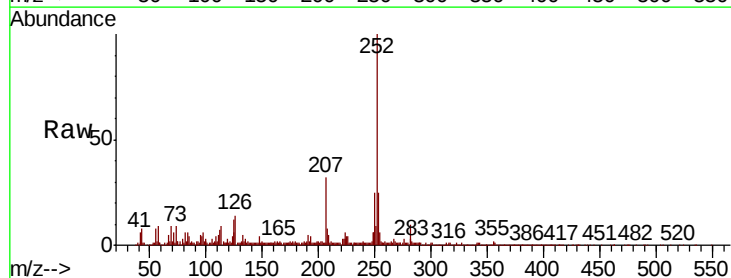
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.1	17.3	25.9

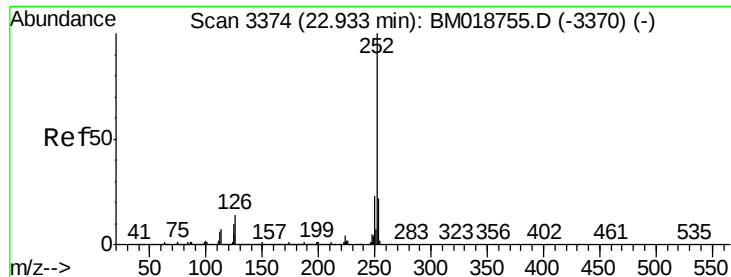


#88
Benzo(b)fluoranthene
Concen: 11.965 ng
RT: 22.87 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BM018944.D
Acq: 27 Feb 2019 00:03

Tgt Ion:252 Resp: 981760

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	12.4	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 11.996 ng

RT: 22.87 min Scan# 3363

Delta R.T. -0.06 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

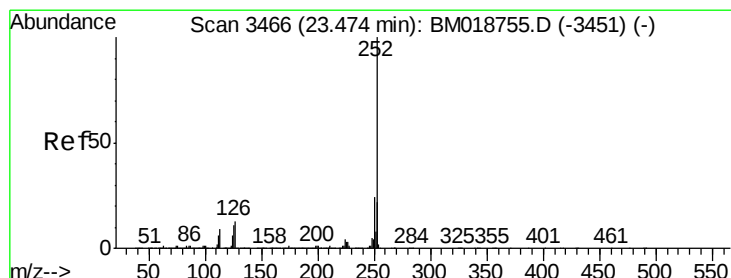
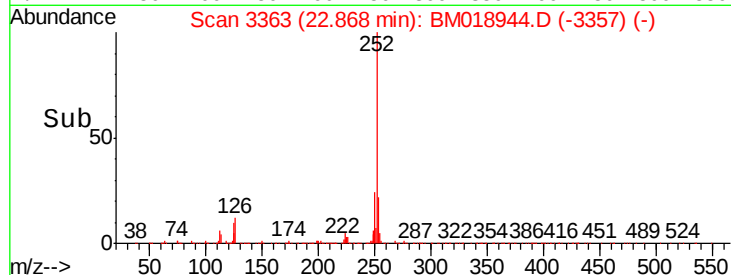
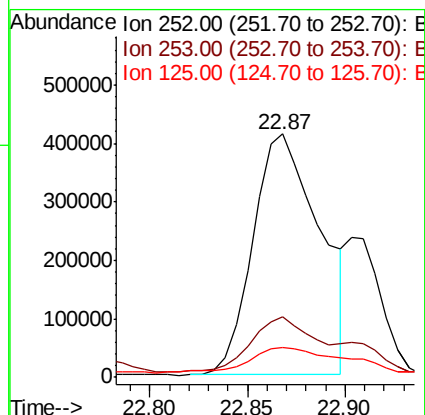
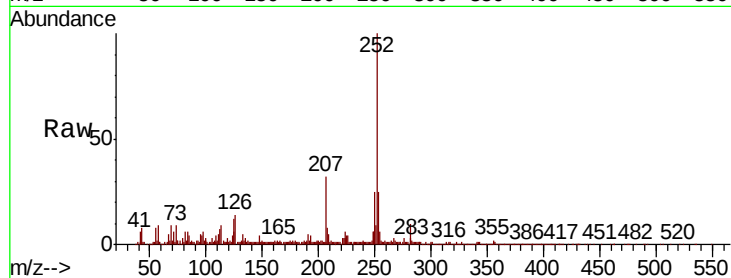
Tgt Ion:252 Resp: 979907

Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 12.4 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 8.787 ng

RT: 23.44 min Scan# 3461

Delta R.T. -0.03 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

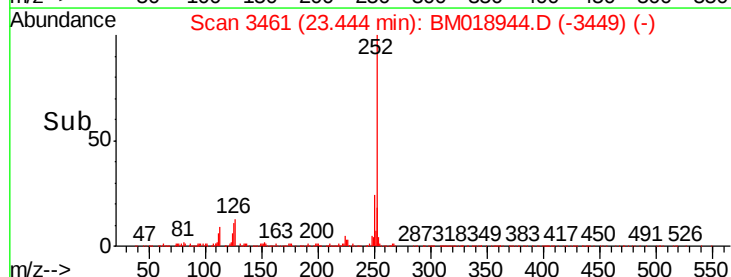
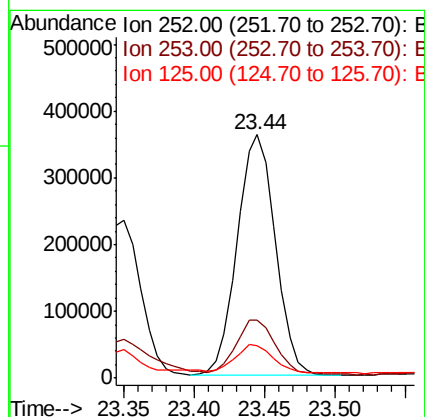
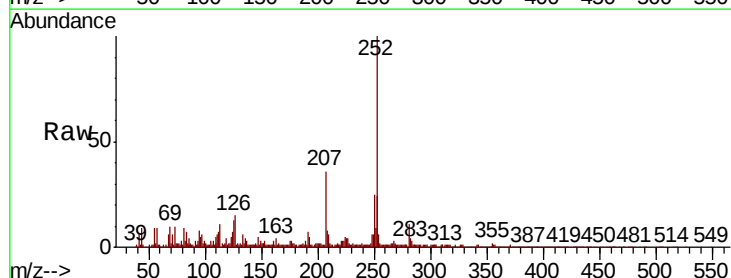
Tgt Ion:252 Resp: 682994

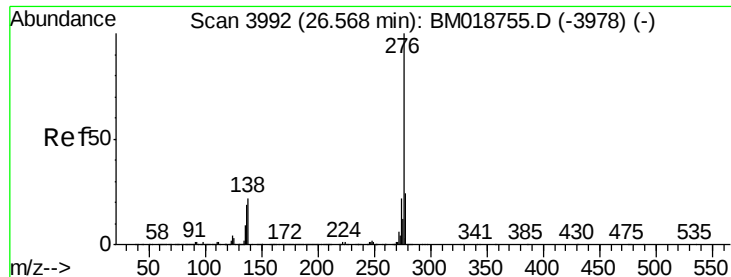
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 13.5 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 5.659 ng

RT: 26.53 min Scan# 3985

Delta R.T. -0.04 min

Lab File: BM018944.D

Acq: 27 Feb 2019 00:03

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

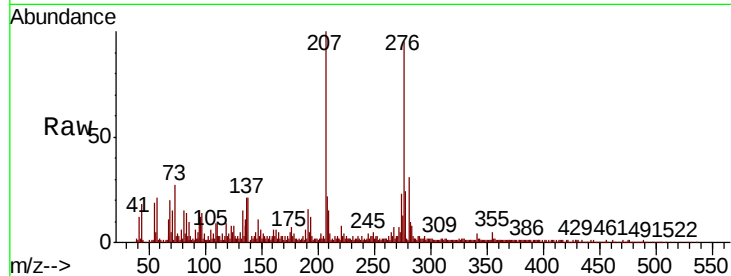
Tgt Ion: 276 Resp: 405677

Ion Ratio Lower Upper

276 100

277 24.8 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

