

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022519\
 Data File : BM018923.D
 Acq On : 25 Feb 2019 20:59
 Operator : JU/SJ
 Sample : K1356-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 26 00:02:59 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	108650	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	470377	20.00	ng	-0.02
39) Acenaphthene-d10	14.34	164	285046	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	689033	20.00	ng	-0.02
76) Chrysene-d12	21.30	240	933605	20.00	ng	-0.01
87) Perylene-d12	23.55	264	1037684	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	340609	51.36	ng	-0.02
7) Phenol-d6	6.86	99	479903	51.37	ng	-0.02
23) Nitrobenzene-d5	8.86	82	301988	29.69	ng	-0.02
42) 2,4,6-Tribromophenol	15.84	330	206361	50.22	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	598776	27.89	ng	-0.02
79) Terphenyl-d14	19.73	244	1175566	25.98	ng	-0.01

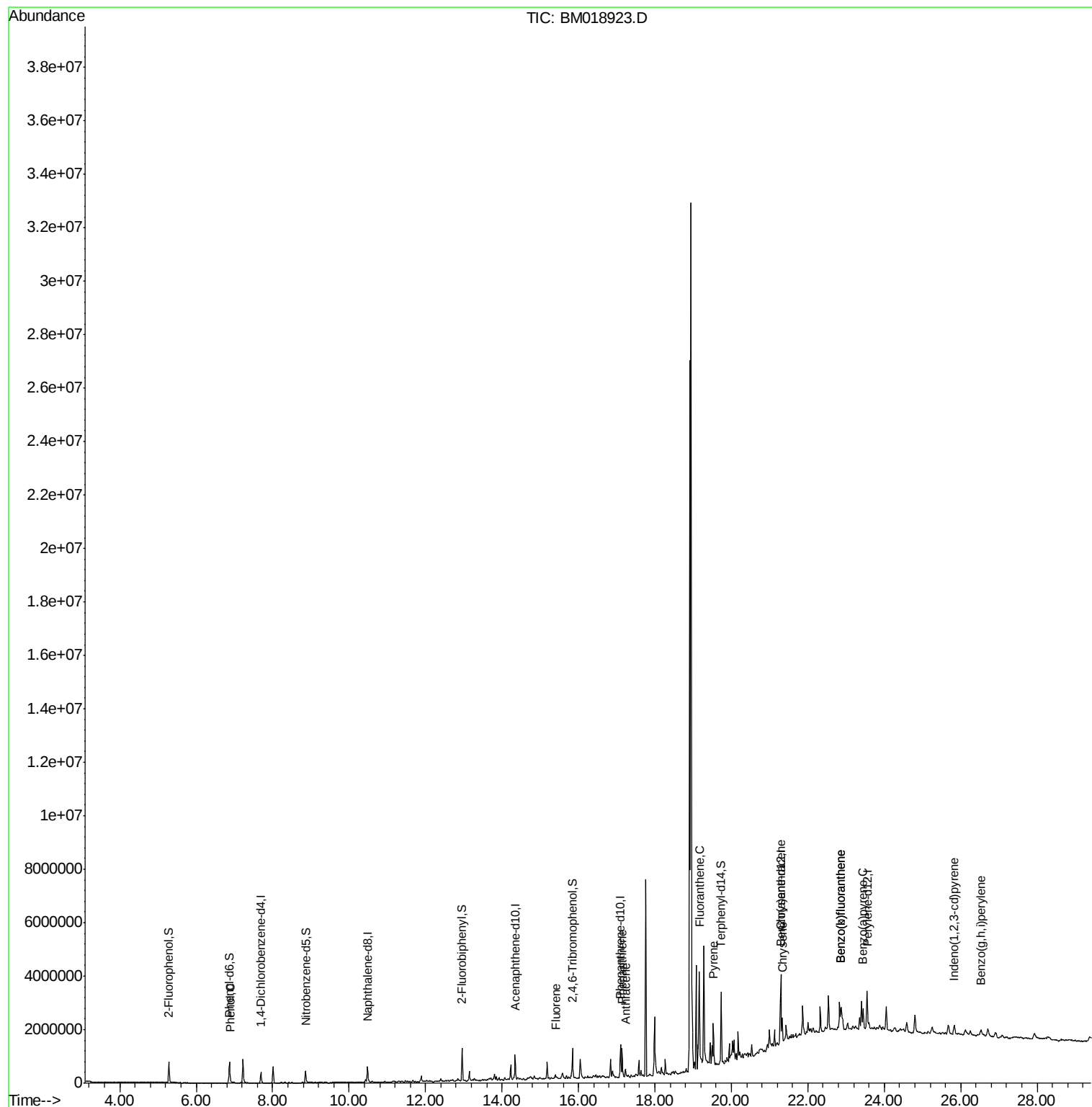
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.86	77	1044	Below Cal		# 7
10) Phenol	6.89	94	36351	3.698	ng	93
58) Fluorene	15.40	166	66171	3.041	ng	# 99
71) Phenanthrene	17.14	178	586696	15.844	ng	100
72) Anthracene	17.23	178	184923	5.131	ng	98
75) Fluoranthene	19.16	202	1089055	25.461	ng	98
78) Pyrene	19.53	202	941278	17.359	ng	99
81) Benzo(a)anthracene	21.28	228	590795	10.856	ng	98
83) Chrysene	21.33	228	492193	9.436	ng	97
86) Indeno(1,2,3-cd)pyrene	25.83	276	313005	5.197	ng	96
88) Benzo(b)fluoranthene	22.87	252	721978	12.161	ng	# 95
89) Benzo(k)fluoranthene	22.87	252	720832	12.195	ng	# 94
90) Benzo(a)pyrene	23.45	252	493097	8.767	ng	# 94
92) Benzo(g,h,i)perylene	26.53	276	290478	5.600	ng	96

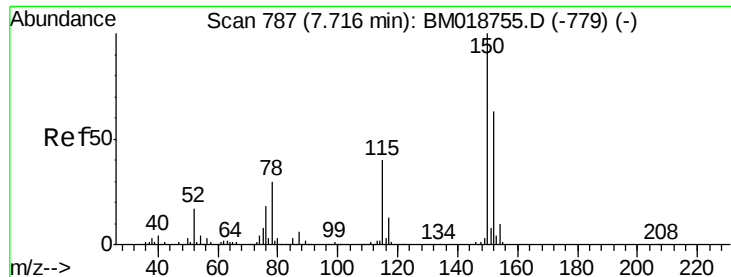
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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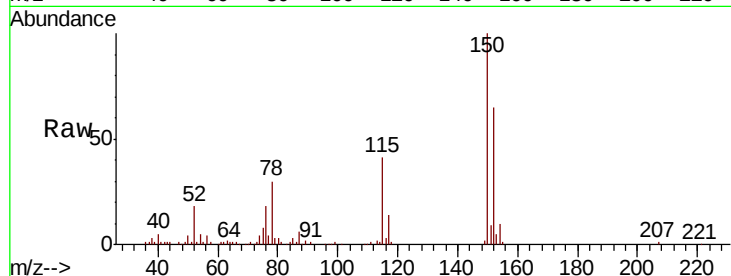


#1

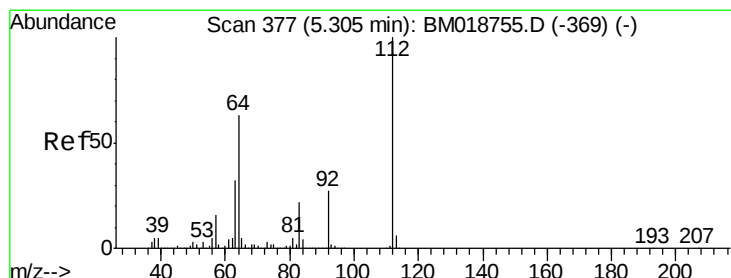
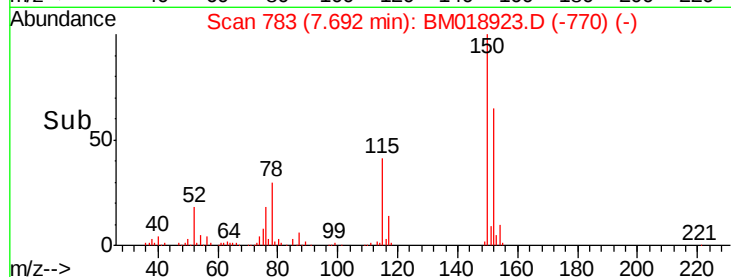
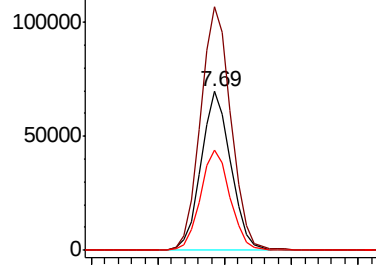
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tgt Ion:152 Resp: 108650
Ion Ratio Lower Upper
152 100
150 153.3 127.3 190.9
115 63.1 50.8 76.2



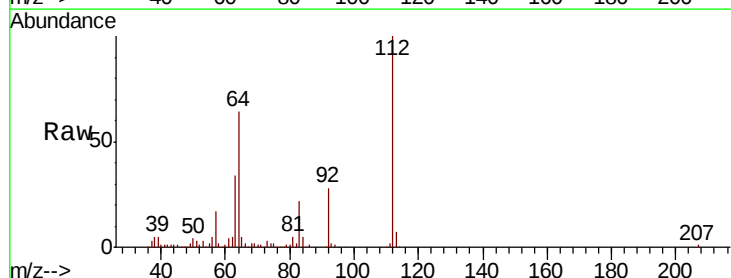
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



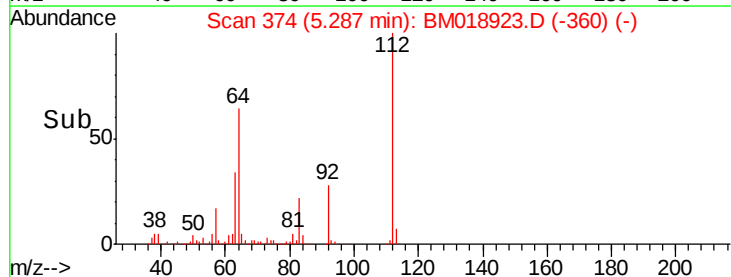
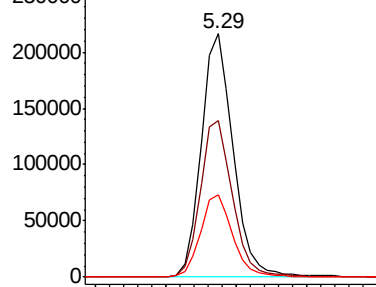
#5

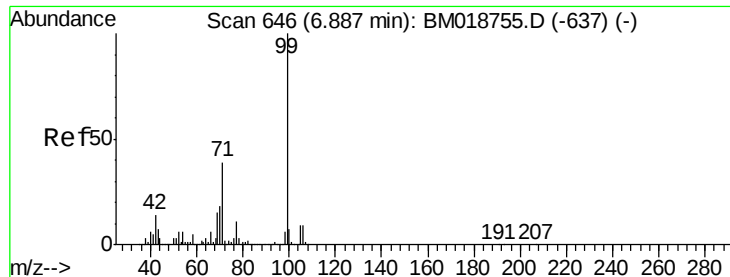
2-Fluorophenol
Concen: 51.365 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion:112 Resp: 340609
Ion Ratio Lower Upper
112 100
64 64.1 50.6 75.8
63 33.6 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: 51.372 ng

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

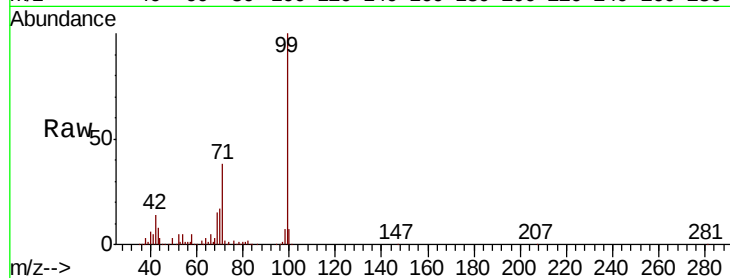
Tgt Ion: 99 Resp: 479903

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

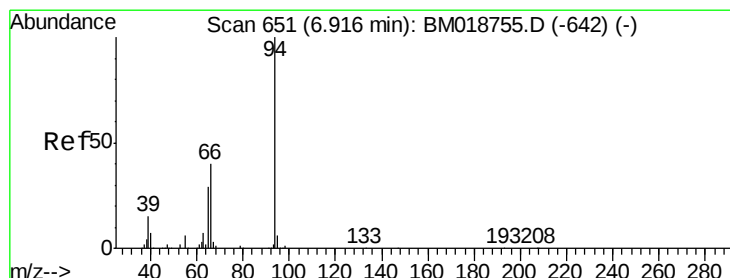
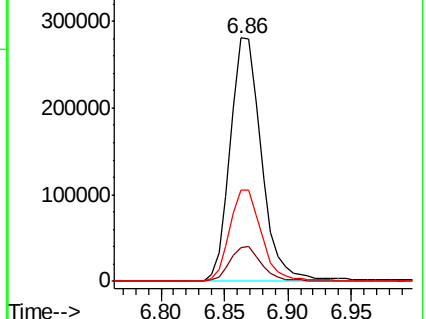
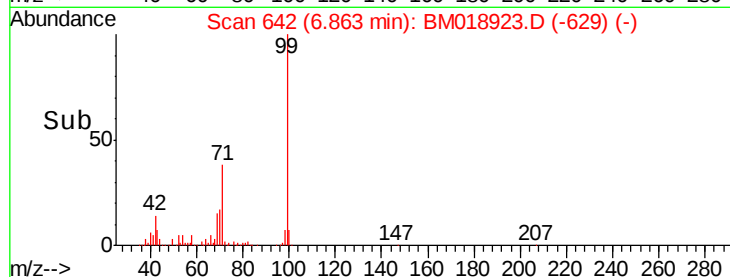
71 37.6 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018923.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM018923.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM018923.D (-629) (-)



#10

Phenol

Concen: 3.698 ng

RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

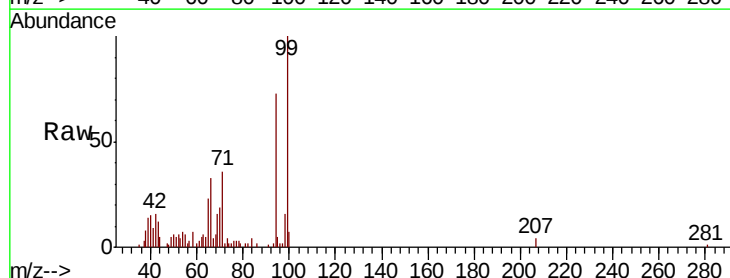
Tgt Ion: 94 Resp: 36351

Ion Ratio Lower Upper

94 100

65 31.8 9.6 49.6

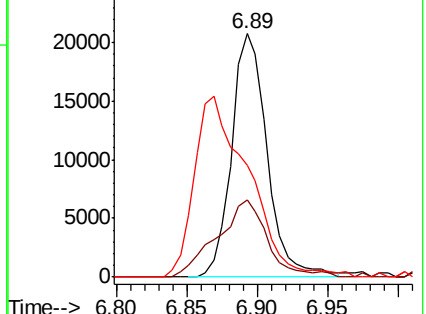
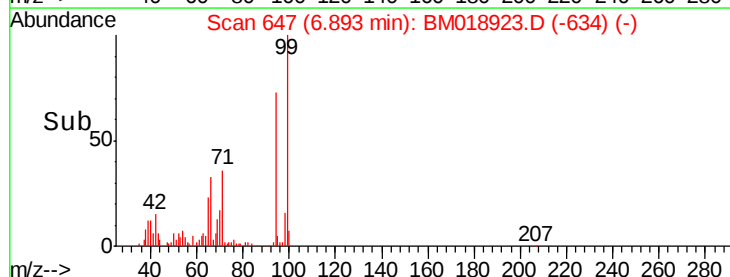
66 45.9 20.4 60.4

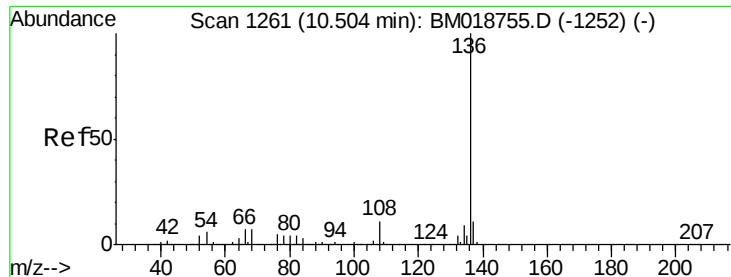


Abundance Ion 94.00 (93.70 to 94.70): BM018923.D (-634) (-)

Ion 65.00 (64.70 to 65.70): BM018923.D (-634) (-)

Ion 66.00 (65.70 to 66.70): BM018923.D (-634) (-)

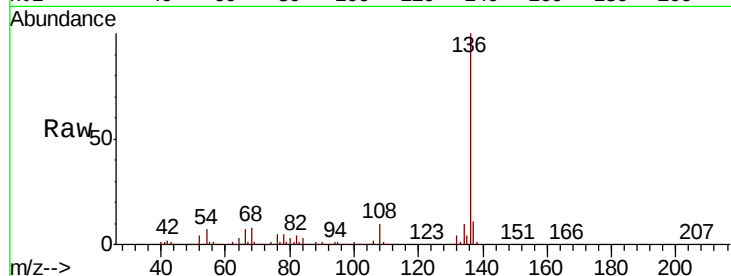




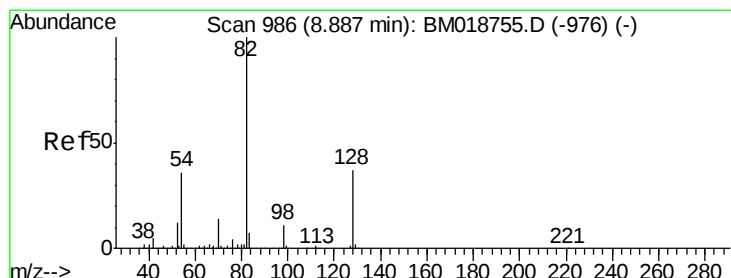
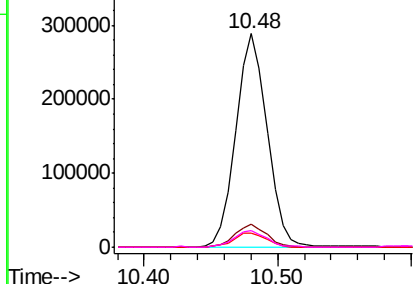
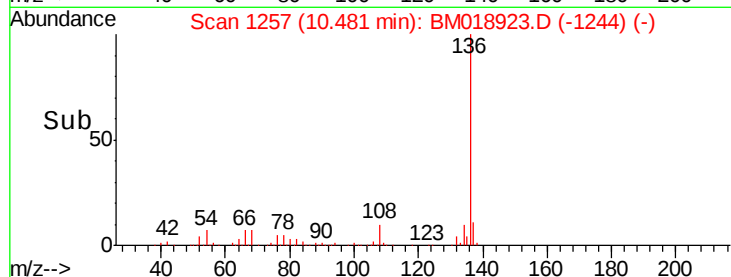
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

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

Tgt Ion:	136	Resp:	470377
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.9	5.0	7.6
68	7.7	5.5	8.3

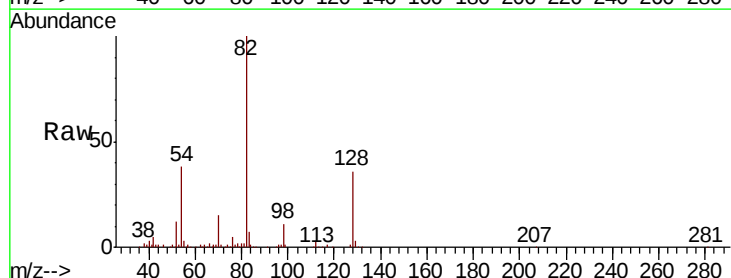


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

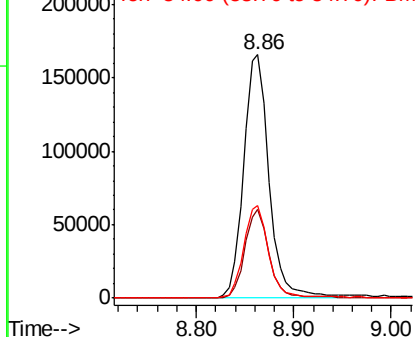
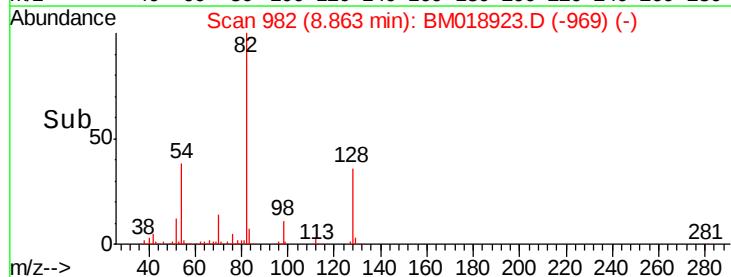


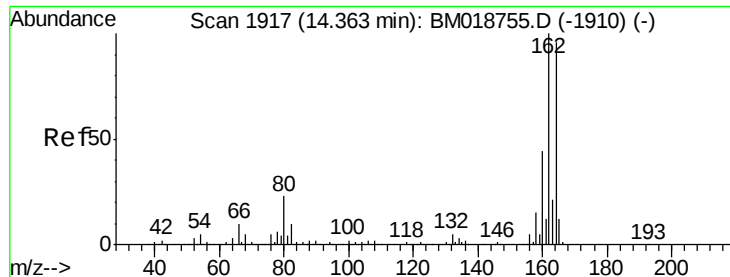
#23
Nitrobenzene-d5
Concen: 29.686 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion:	82	Resp:	301988
Ion	Ratio	Lower	Upper
82	100		
128	36.2	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

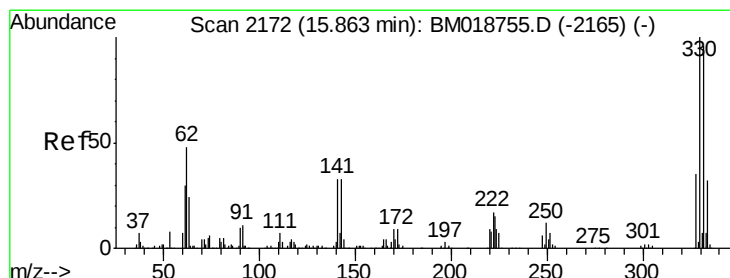
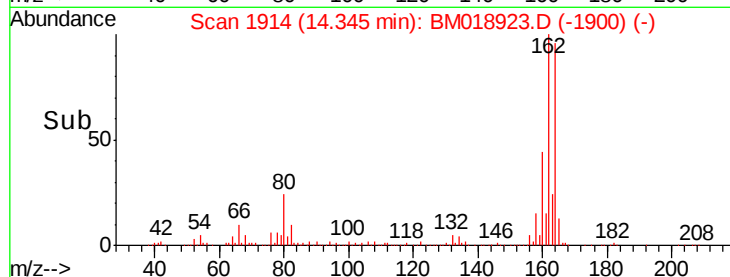
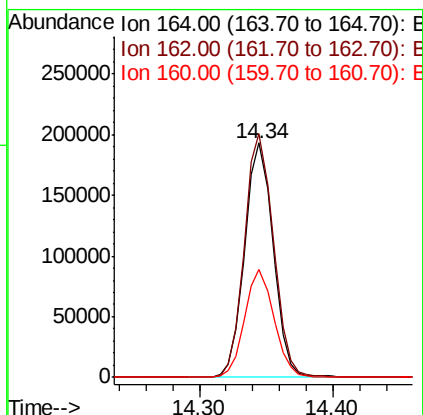
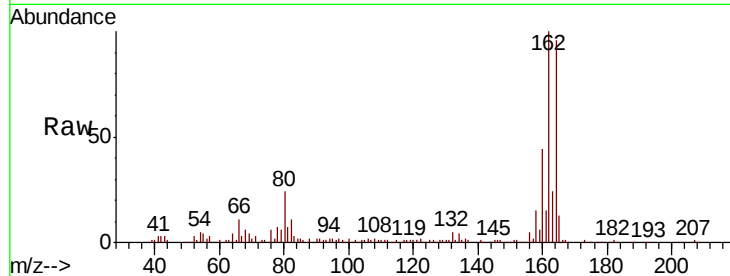




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

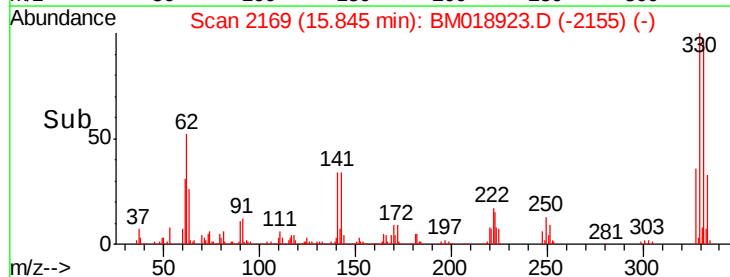
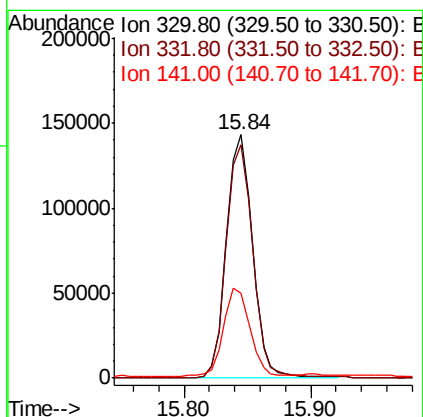
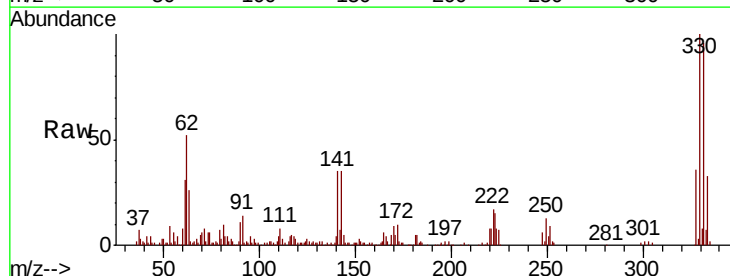
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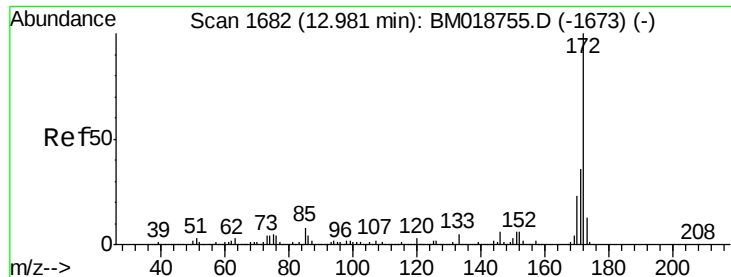
Tgt Ion:164 Resp: 285046
Ion Ratio Lower Upper
164 100
162 103.9 83.4 125.0
160 46.1 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 50.223 ng
RT: 15.84 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion:330 Resp: 206361
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 36.9 28.7 43.1

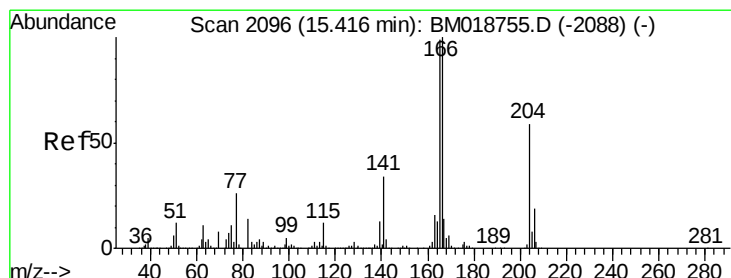
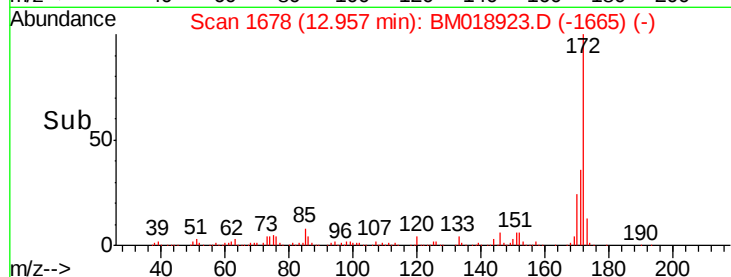
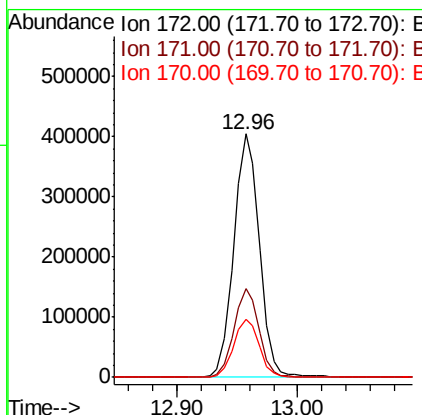
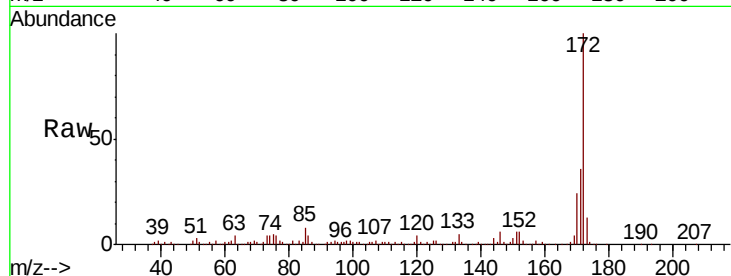




#45
 2-Fluorobiphenyl
 Concen: 27.885 ng
 RT: 12.96 min Scan# 1678
 Delta R.T. -0.02 min
 Lab File: BM018923.D
 Acq: 25 Feb 2019 20:59

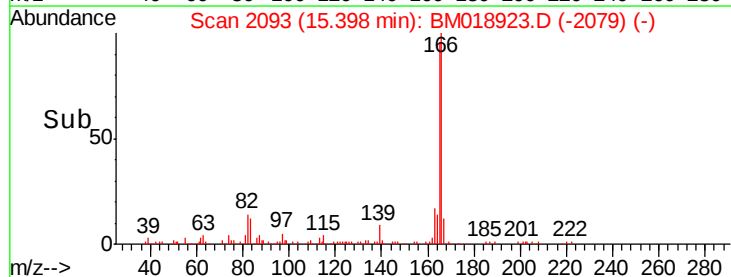
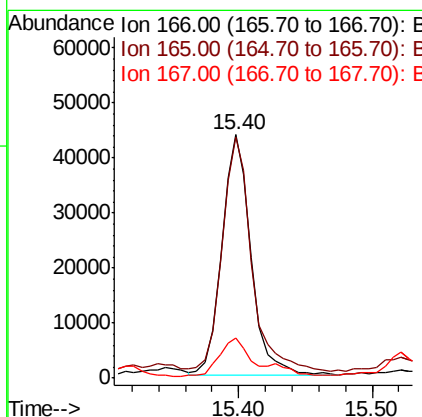
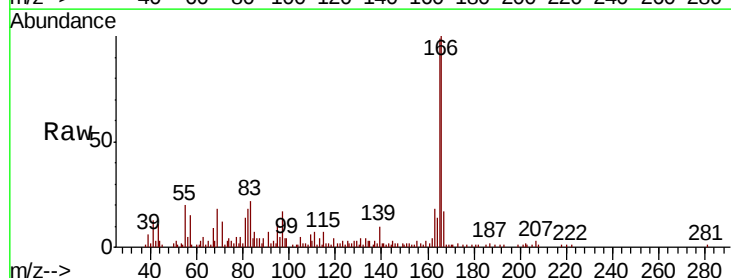
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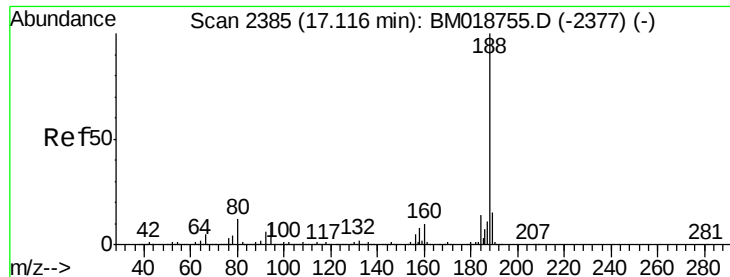
Tgt Ion:	172	Resp:	598776
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.1	18.6	28.0



#58
 Fluorene
 Concen: 3.041 ng
 RT: 15.40 min Scan# 2093
 Delta R.T. -0.02 min
 Lab File: BM018923.D
 Acq: 25 Feb 2019 20:59

Tgt Ion:	166	Resp:	66171
Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.1	118.7
167	16.7	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: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

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ClientSampleId :

SU-02-022219-B

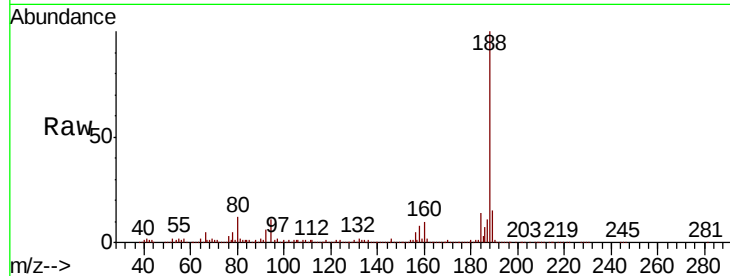
Tgt Ion:188 Resp: 689033

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.2

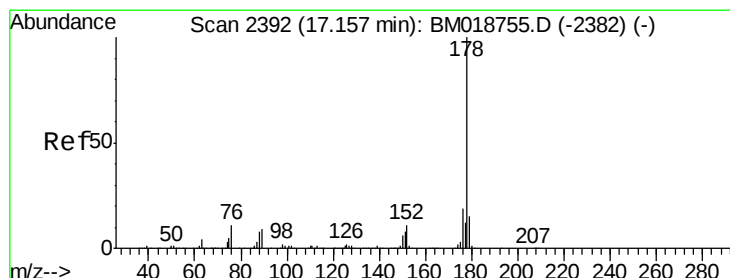
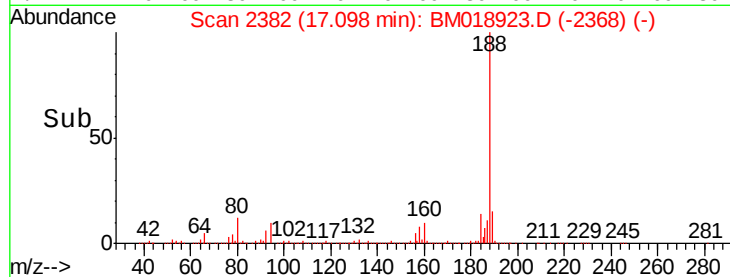
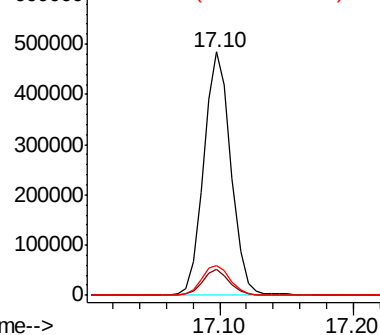
80 12.2 9.7 14.5



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



#71

Phenanthrene

Concen: 15.844 ng

RT: 17.14 min Scan# 2389

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

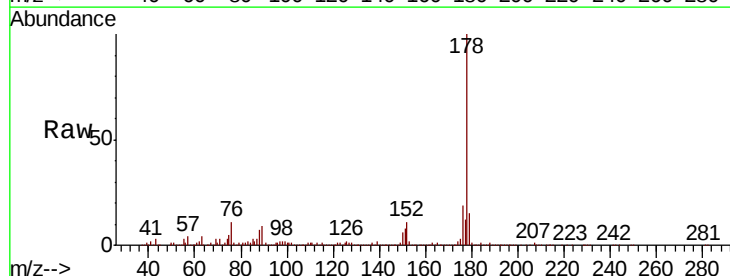
Tgt Ion:178 Resp: 586696

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

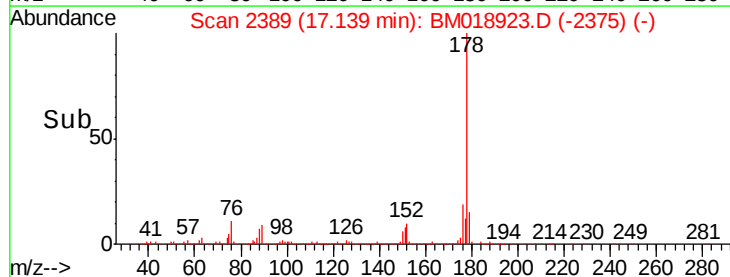
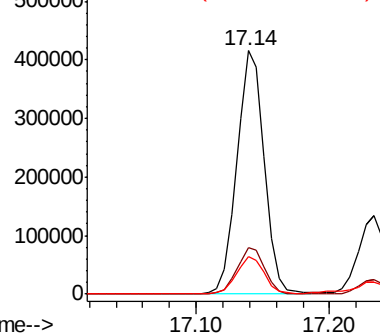
179 15.4 12.3 18.5

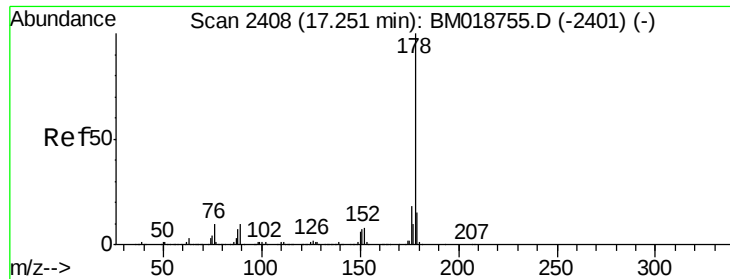


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.131 ng

RT: 17.23 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

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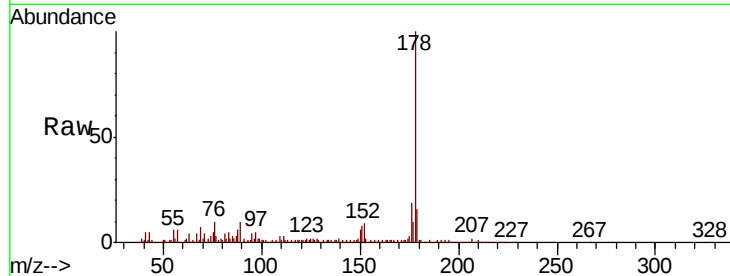
Tgt Ion:178 Resp: 184923

Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

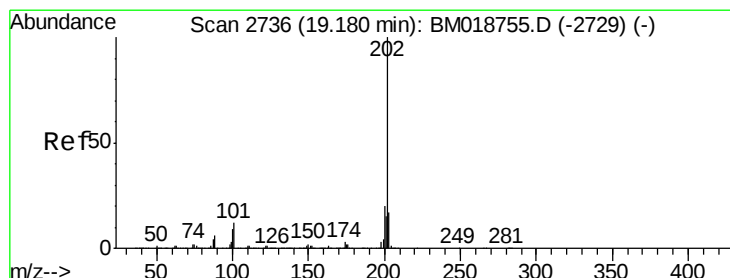
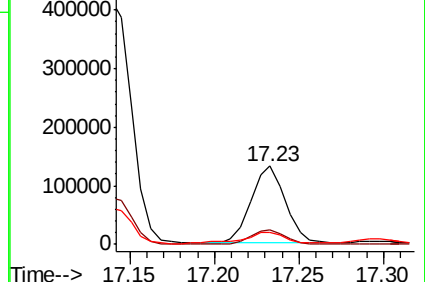
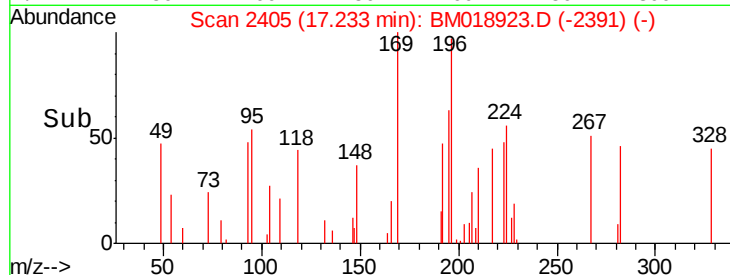
179 16.1 12.1 18.1



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: 25.461 ng

RT: 19.16 min Scan# 2733

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

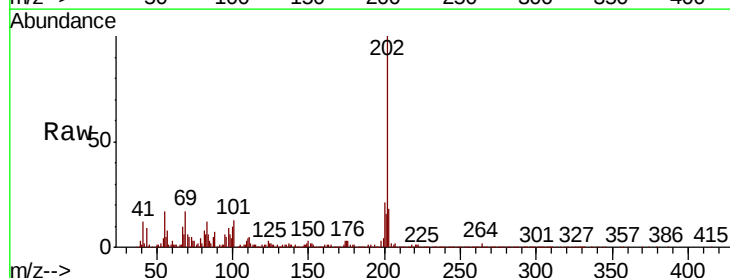
Tgt Ion:202 Resp: 1089055

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.5

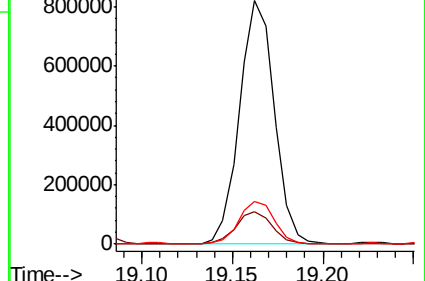
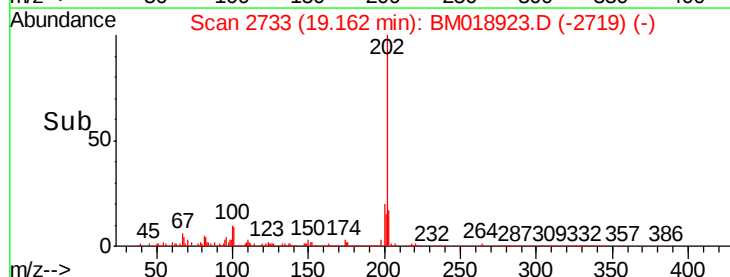
203 17.6 0.0 37.3

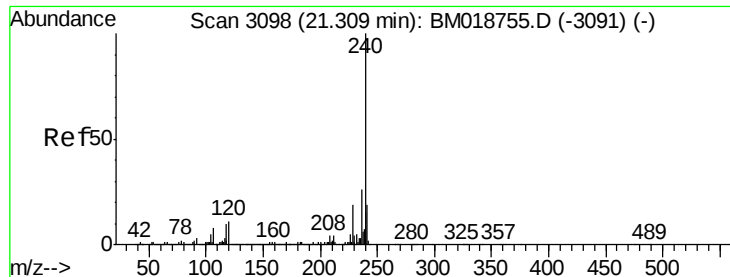


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.30 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

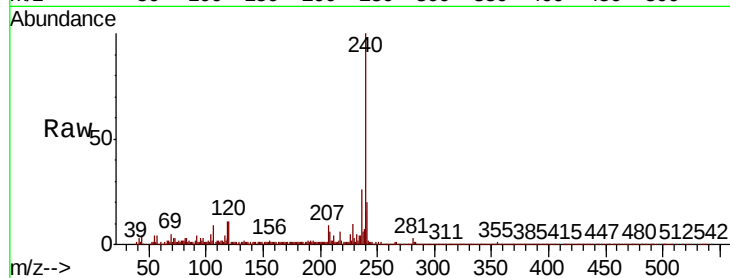
Tgt Ion:240 Resp: 933605

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

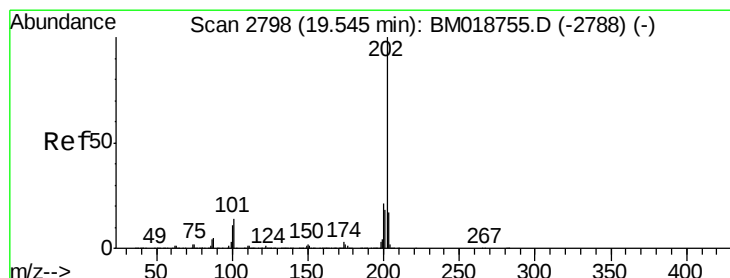
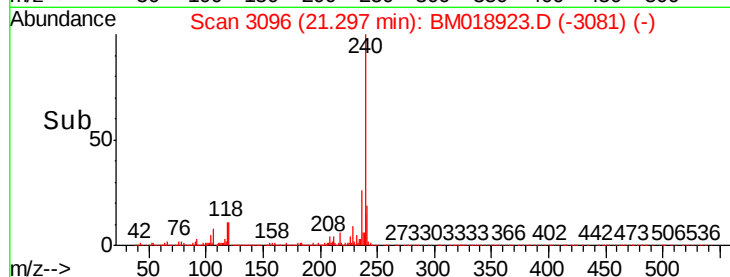
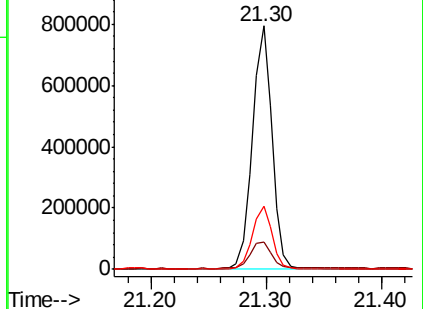
236 26.0 20.9 31.3



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: 17.359 ng

RT: 19.53 min Scan# 2795

Delta R.T. -0.02 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

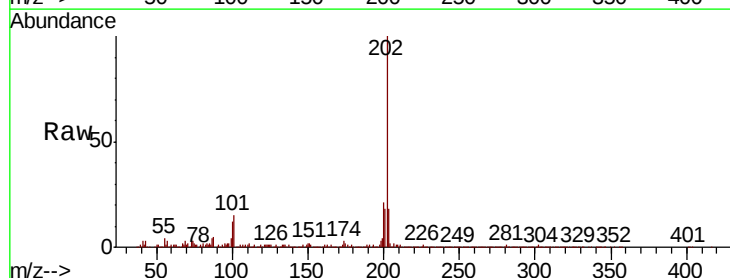
Tgt Ion:202 Resp: 941278

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

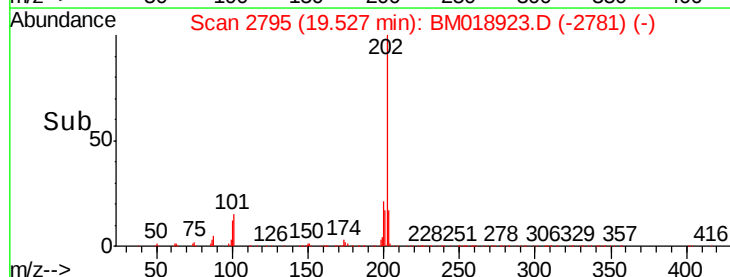
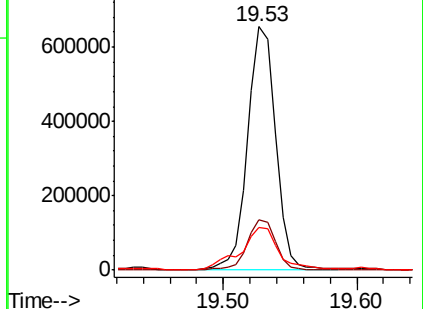
203 17.7 13.8 20.8

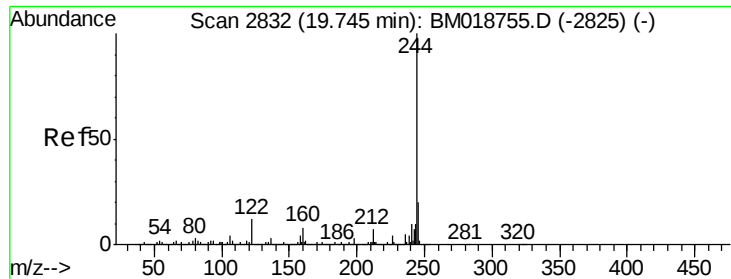


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 25.975 ng

RT: 19.73 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

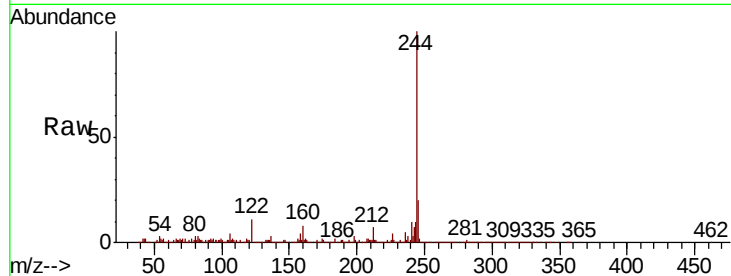
Tgt Ion:244 Resp: 1175566

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

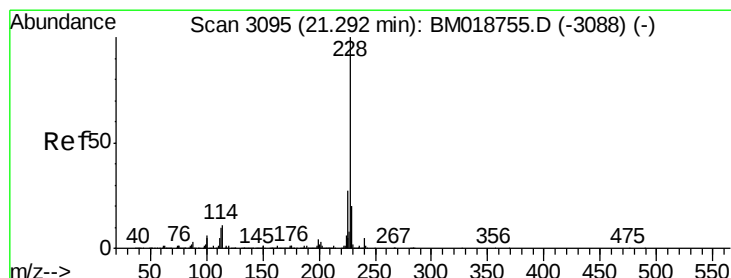
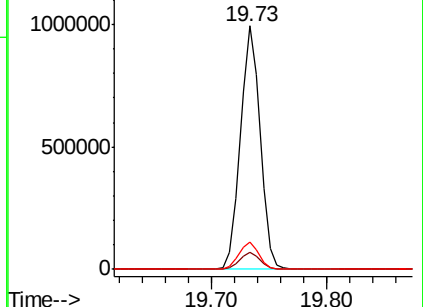
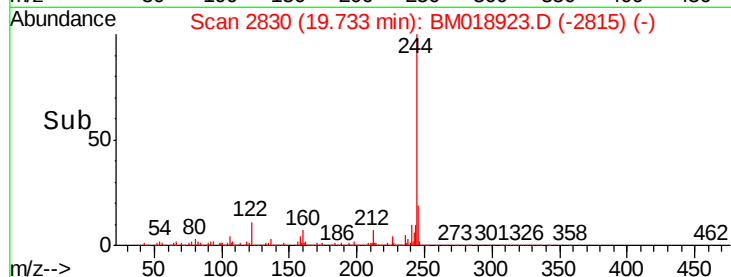
122 11.1 9.3 13.9



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



#81

Benzo(a)anthracene

Concen: 10.856 ng

RT: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

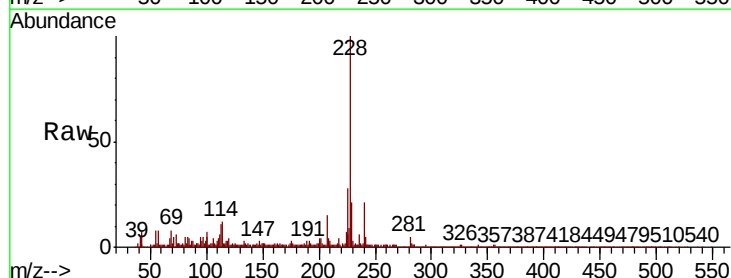
Tgt Ion:228 Resp: 590795

Ion Ratio Lower Upper

228 100

226 27.7 21.9 32.9

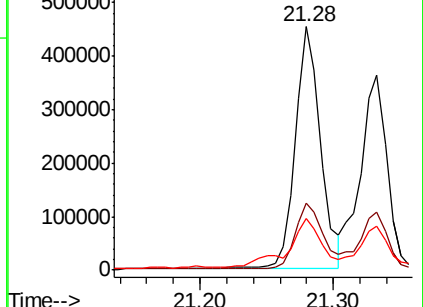
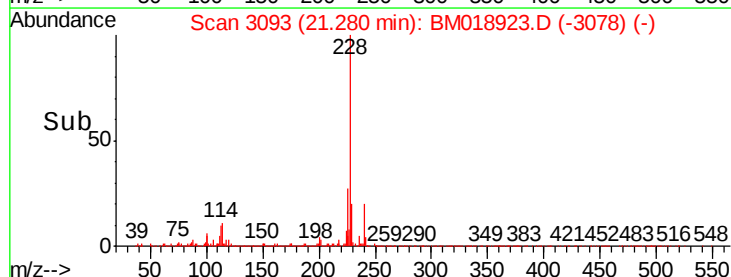
229 21.3 15.9 23.9

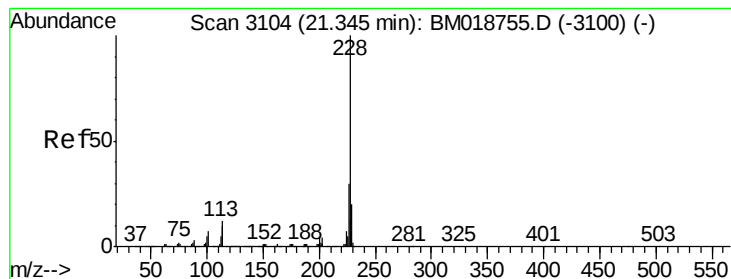


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.436 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

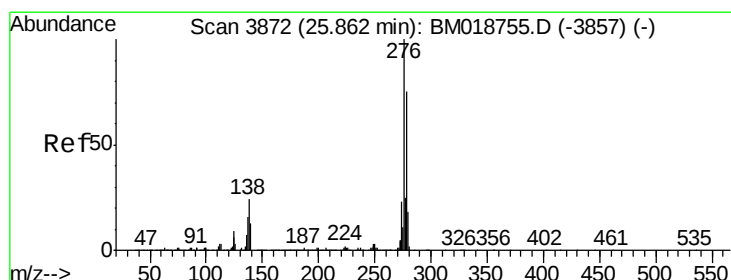
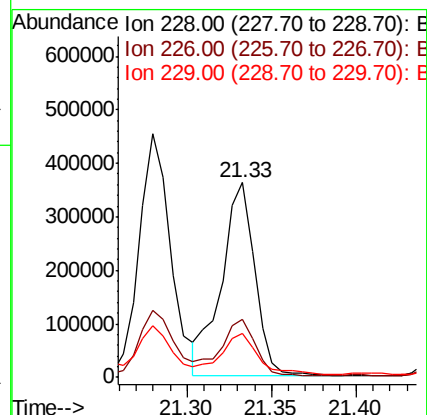
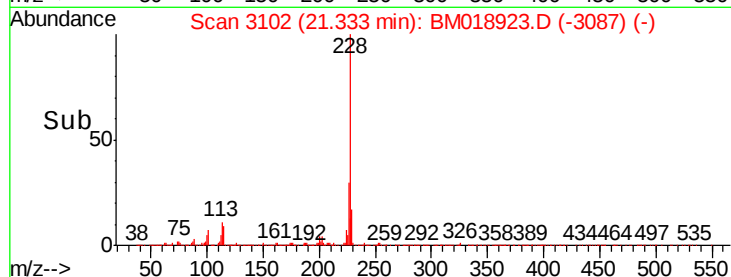
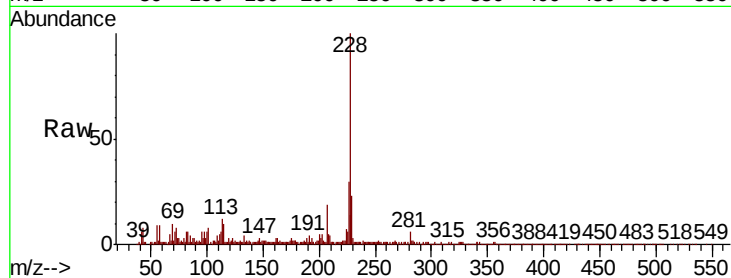
Tgt Ion:228 Resp: 492193

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 22.9 16.0 24.0



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.197 ng

RT: 25.83 min Scan# 3866

Delta R.T. -0.04 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

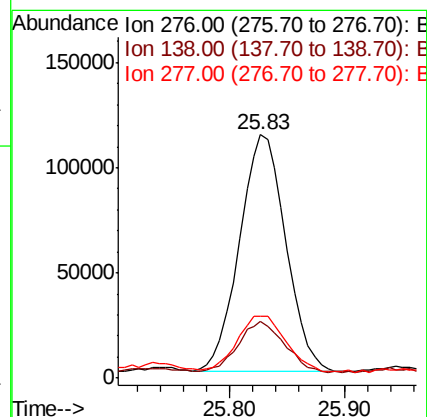
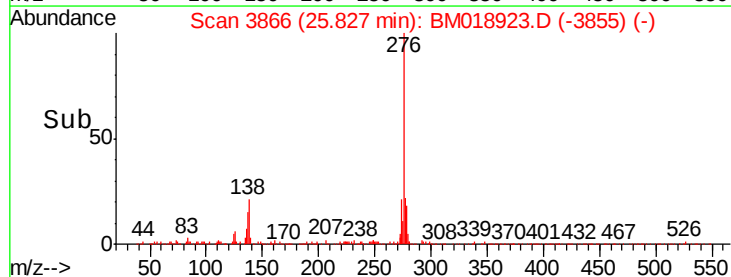
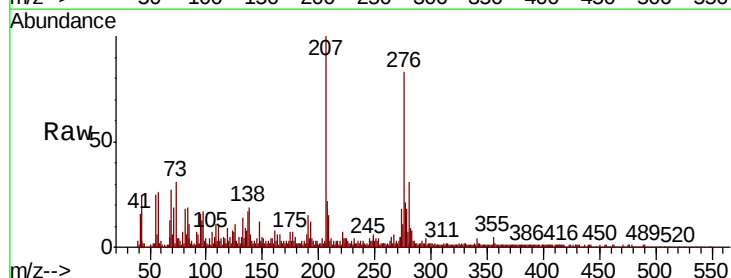
Tgt Ion:276 Resp: 313005

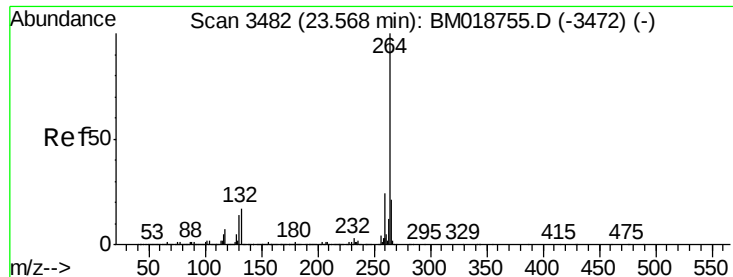
Ion Ratio Lower Upper

276 100

138 21.8 20.2 30.4

277 24.9 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: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

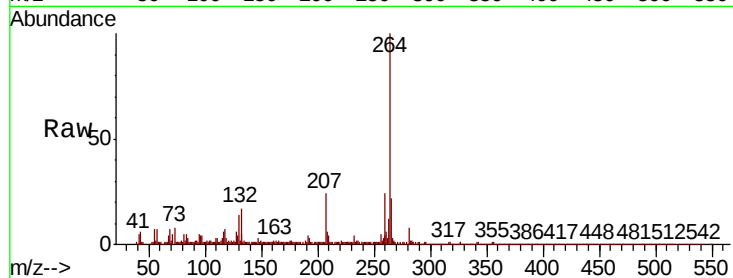
Tgt Ion:264 Resp: 1037684

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

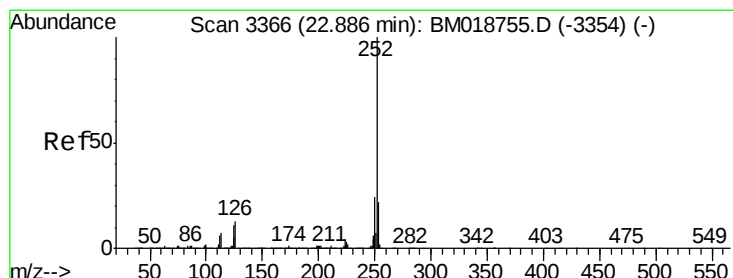
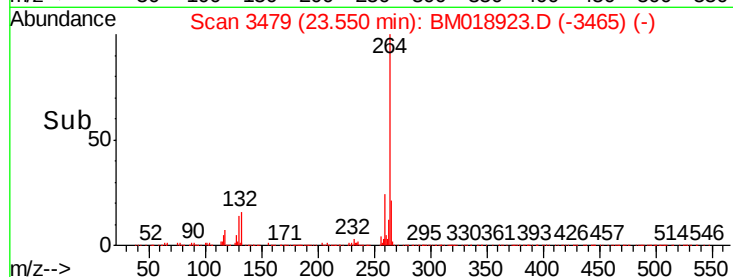
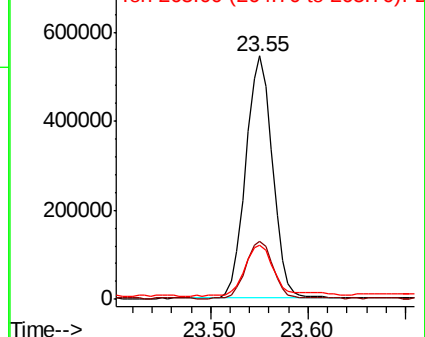
265 22.3 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.161 ng

RT: 22.87 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

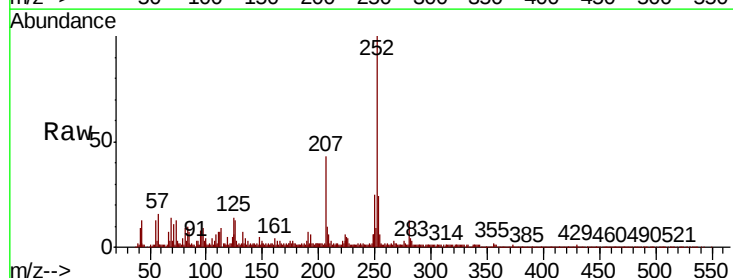
Tgt Ion:252 Resp: 721978

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

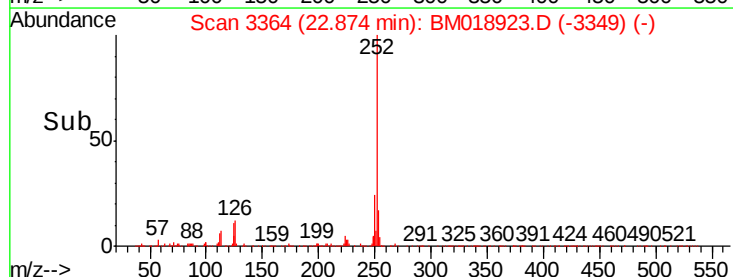
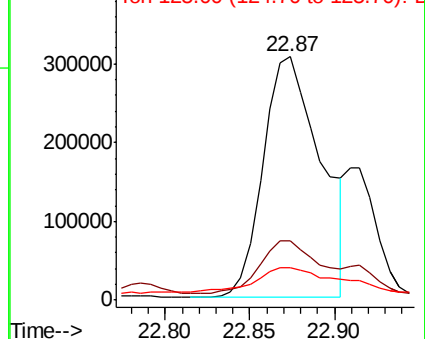
125 13.5 8.6 12.8#

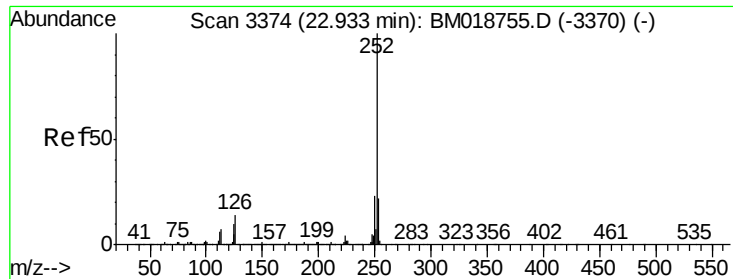


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

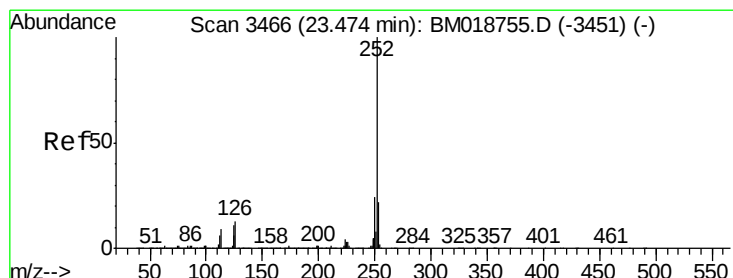
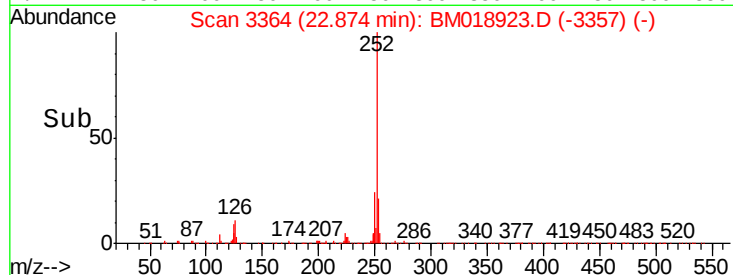
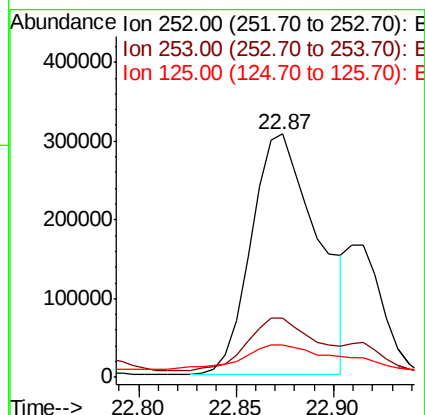
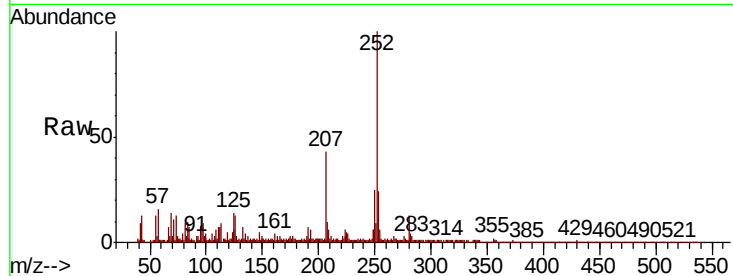




#89
Benzo(k)fluoranthene
Concen: 12.195 ng
RT: 22.87 min Scan# 3364
Delta R.T. -0.06 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

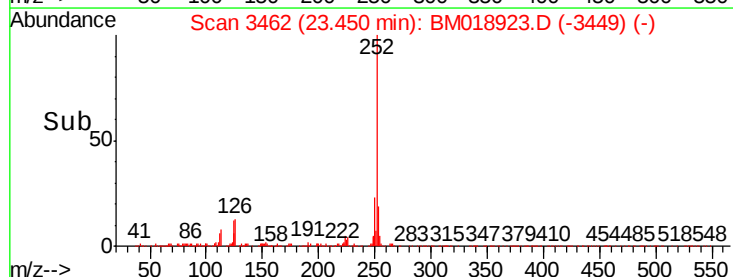
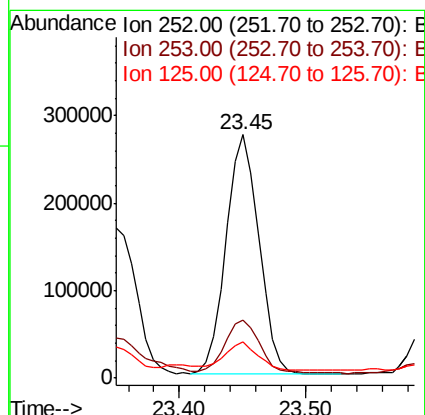
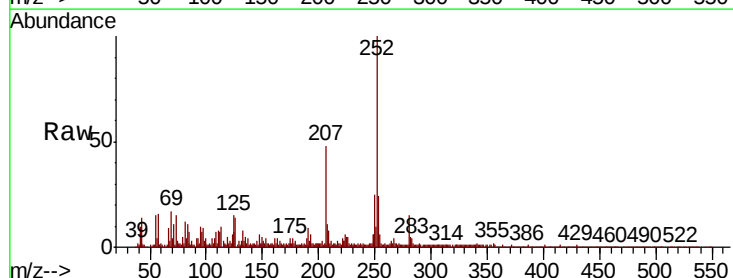
Instrument :
BNA_M
ClientSampleId :
SU-02-022219-B

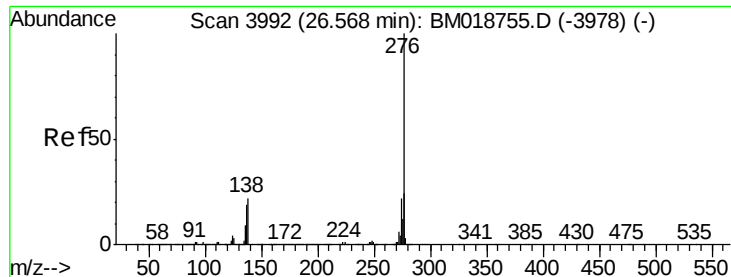
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	13.5	8.2	12.4



#90
Benzo(a)pyrene
Concen: 8.767 ng
RT: 23.45 min Scan# 3462
Delta R.T. -0.02 min
Lab File: BM018923.D
Acq: 25 Feb 2019 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	14.8	8.6	13.0





#92

Benzo(g,h,i)perylene

Concen: 5.600 ng

RT: 26.53 min Scan# 3986

Delta R.T. -0.04 min

Lab File: BM018923.D

Acq: 25 Feb 2019 20:59

Instrument :

BNA_M

ClientSampleId :

SU-02-022219-B

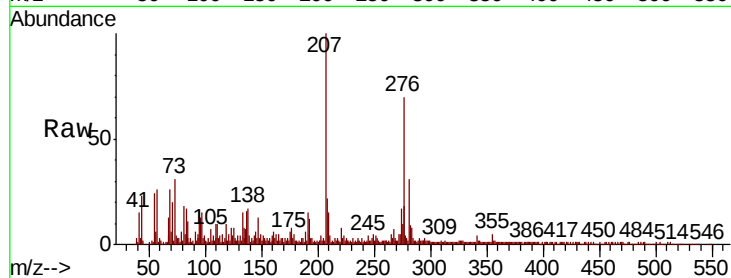
Tgt Ion: 276 Resp: 290478

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 23.8 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

