

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021219\
 Data File : BM018782.D
 Acq On : 12 Feb 2019 20:52
 Operator : JU/SJ
 Sample : K1460-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-901-20190207

Quant Time: Feb 13 02:24:18 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	7.72	152	382821	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1584711	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	936932	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	2137277	20.00	ng	0.00
76) Chrysene-d12	21.31	240	2219198	20.00	ng	0.00
87) Perylene-d12	23.57	264	2029910	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1474104	63.09	ng	0.00
7) Phenol-d6	6.89	99	1277351	38.81	ng	0.00
23) Nitrobenzene-d5	8.89	82	2961199	86.40	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	1865260	138.11	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	5927069	83.98	ng	0.00
79) Terphenyl-d14	19.75	244	9697667	90.15	ng	0.00

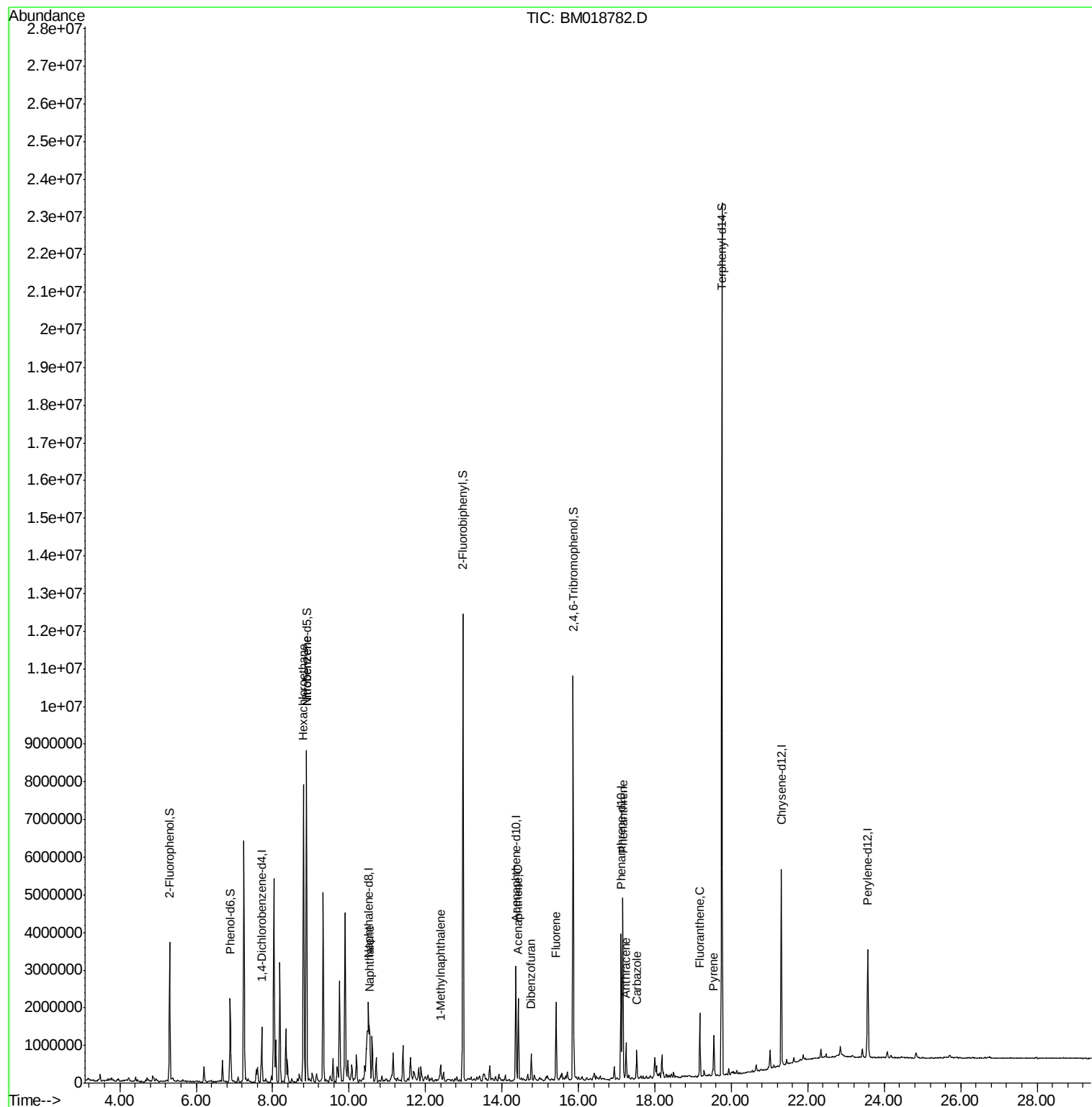
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.86	77	5065	Below Cal		# 1
18) Hexachloroethane	8.80	117	847597	79.070	ng	# 1
24) Nitrobenzene	8.89	77	138439	3.891	ng	# 1
31) Naphthalene	10.55	128	228940	2.962	ng	# 80
38) 1-Methylnaphthalene	12.39	142	191370	3.596	ng	99
52) Acenaphthene	14.43	154	716567	12.599	ng	99
55) Dibenzofuran	14.76	168	396553	4.242	ng	98
58) Fluorene	15.42	166	870999	12.179	ng	100
71) Phenanthrene	17.16	178	2536431	22.083	ng	100
72) Anthracene	17.24	178	555936	4.973	ng	99
73) Carbazole	17.53	167	469311	4.018	ng	99
75) Fluoranthene	19.17	202	912786	6.880	ng	98
78) Pyrene	19.54	202	624121	4.842	ng	99

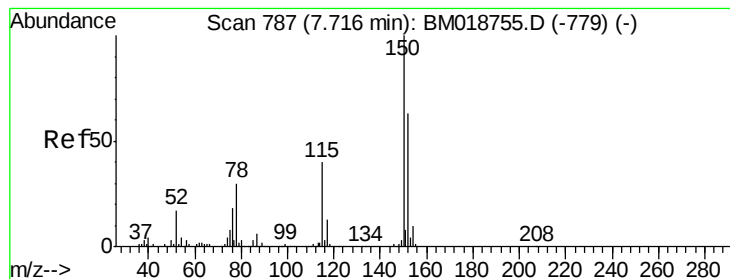
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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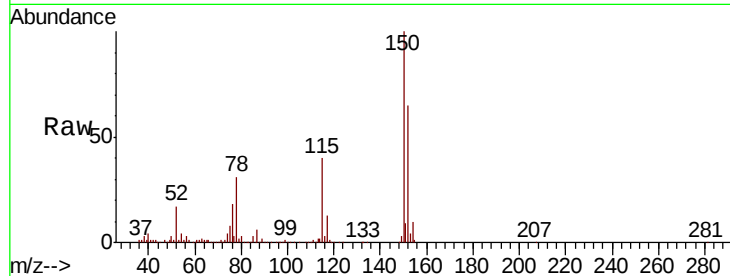


#1

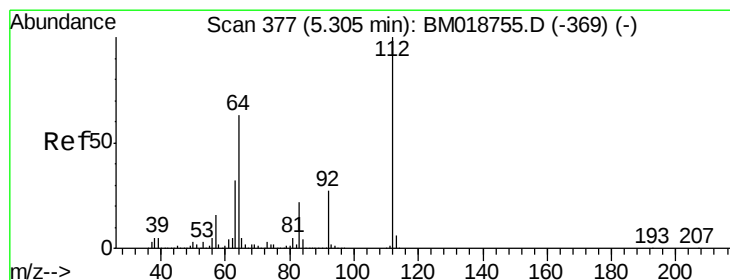
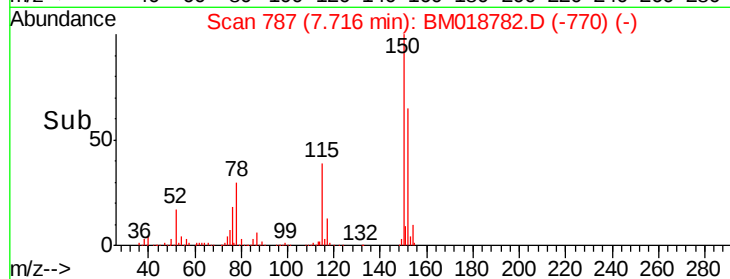
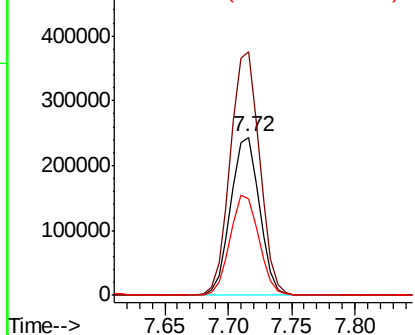
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BM018782.D
 Acq: 12 Feb 2019 20:52

Instrument :
 BNA_M
 ClientSampleId :
 MW-901-20190207

Tgt Ion:152 Resp: 382821
 Ion Ratio Lower Upper
 152 100
 150 154.2 127.3 190.9
 115 61.3 50.8 76.2



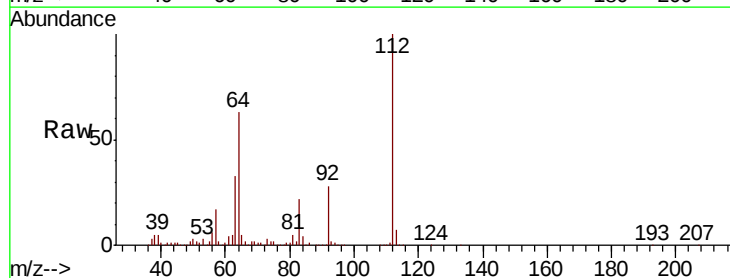
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



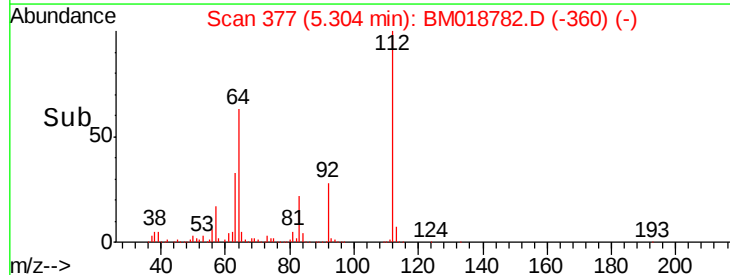
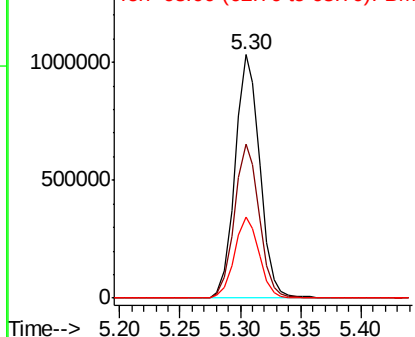
#5

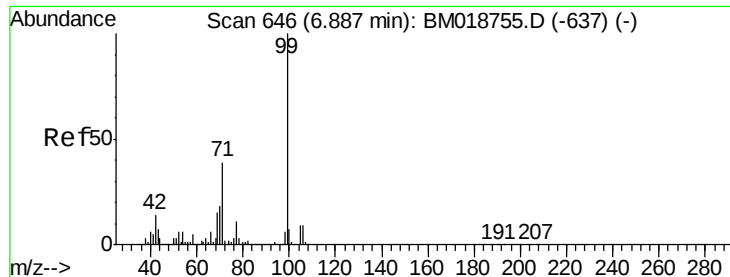
2-Fluorophenol
 Concen: 63.092 ng
 RT: 5.30 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: BM018782.D
 Acq: 12 Feb 2019 20:52

Tgt Ion:112 Resp: 1474104
 Ion Ratio Lower Upper
 112 100
 64 63.4 50.6 75.8
 63 33.3 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: 38.808 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

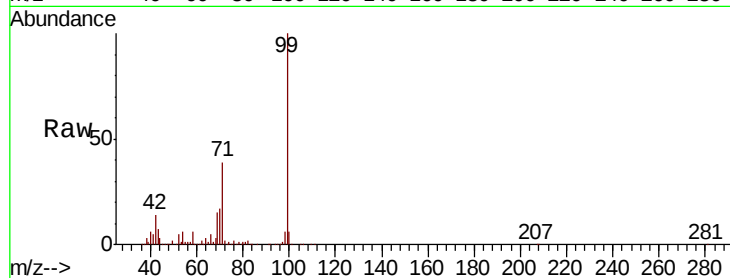
Tgt Ion: 99 Resp: 1277351

Ion Ratio Lower Upper

99 100

42 14.2 11.0 16.6

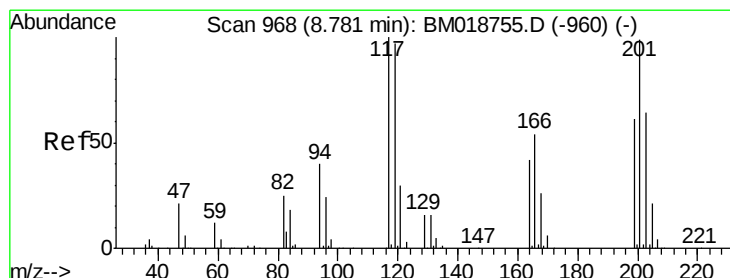
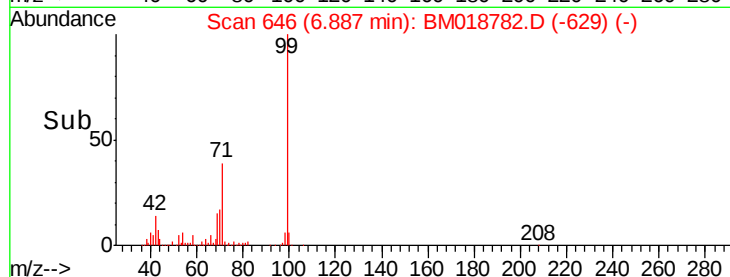
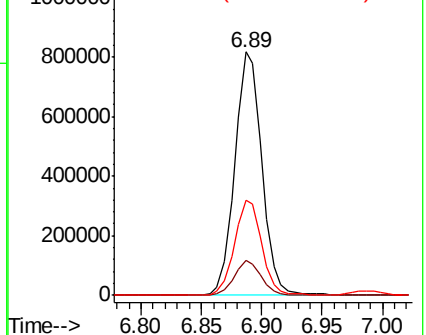
71 39.1 31.3 46.9



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) (-)



#18

Hexachloroethane

Concen: 79.070 ng

RT: 8.80 min Scan# 972

Delta R.T. 0.02 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

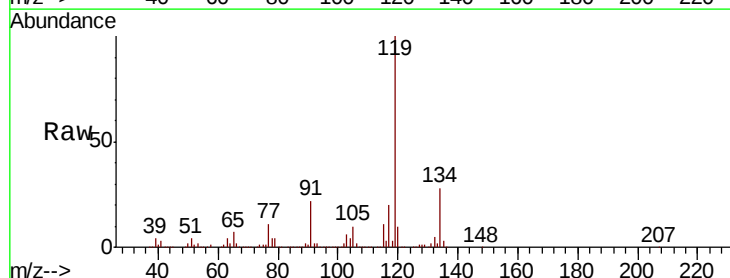
Tgt Ion: 117 Resp: 847597

Ion Ratio Lower Upper

117 100

119 511.0 77.9 116.9#

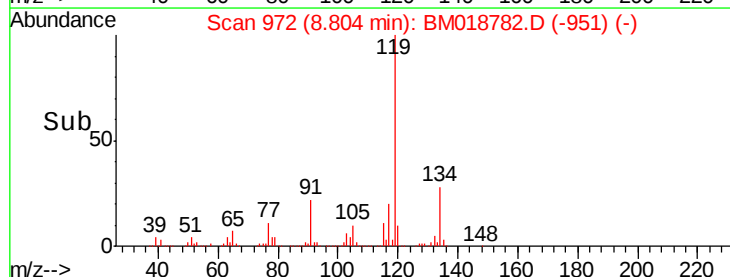
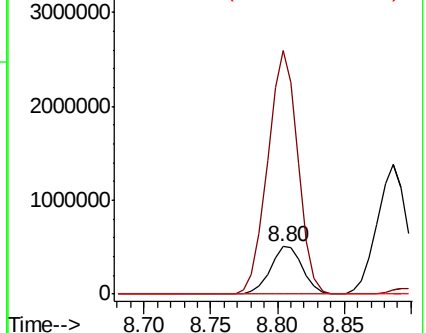
201 0.0 79.2 118.8#

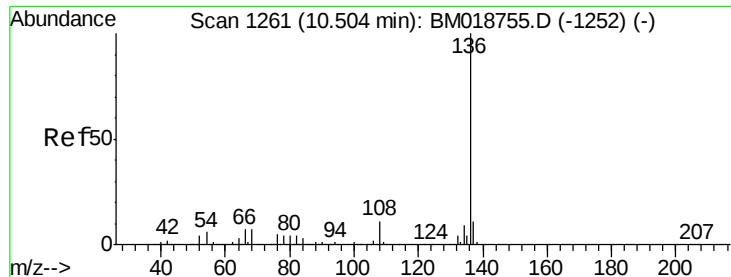


Abundance Ion 117.00 (116.70 to 117.70): BM018755.D (-960) (-)

Ion 119.00 (118.70 to 119.70): BM018755.D (-960) (-)

Ion 201.00 (200.70 to 201.70): BM018755.D (-960) (-)

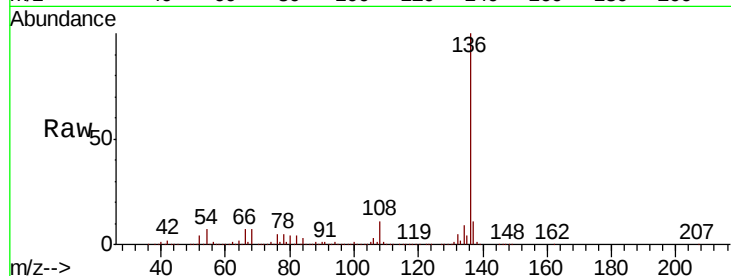




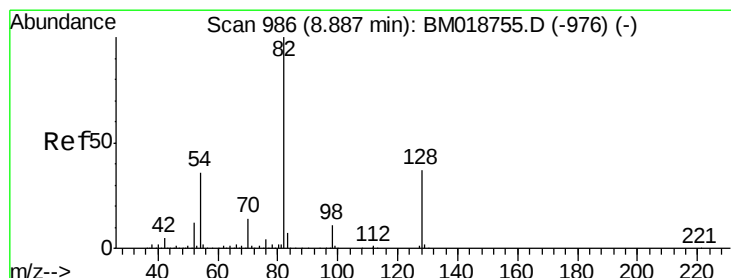
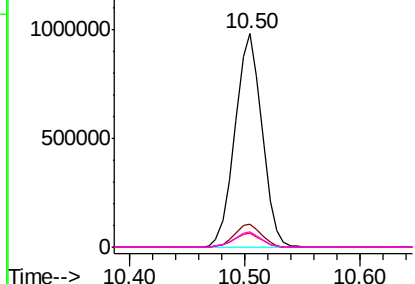
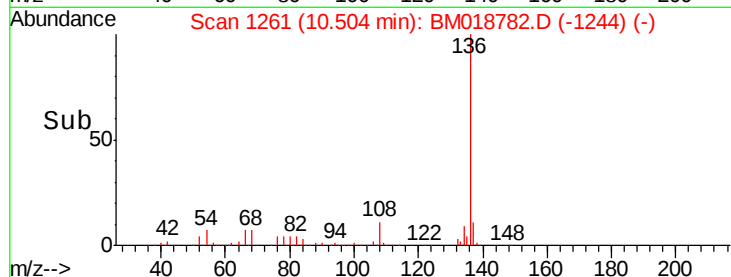
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

Instrument :
BNA_M
ClientSampleId :
MW-901-20190207

Tgt Ion:	136	Resp:	1584711
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.0	7.6
68	7.3	5.5	8.3

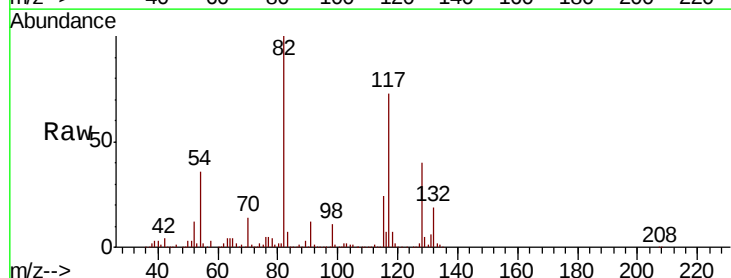


Abundance Ion 136.00 (135.70 to 136.70): E
1500000 Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

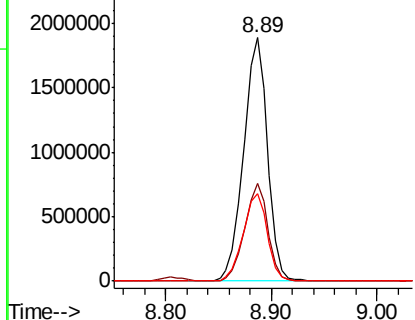
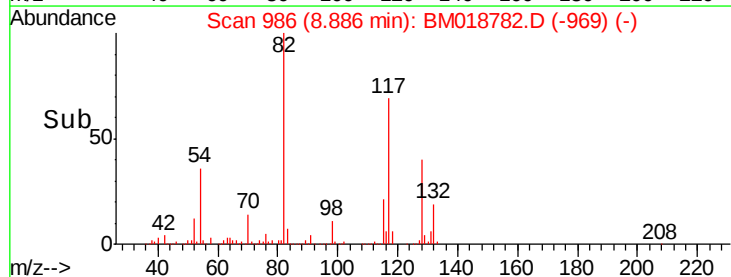


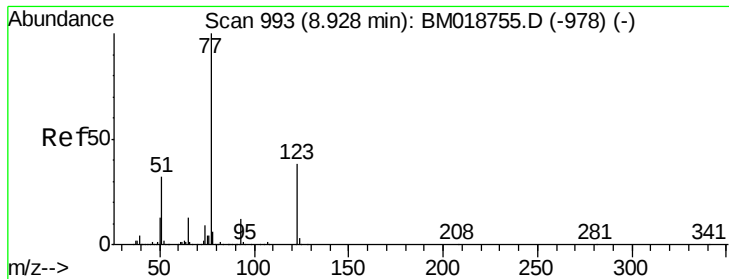
#23
Nitrobenzene-d5
Concen: 86.402 ng
RT: 8.89 min Scan# 986
Delta R.T. -0.00 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

Tgt Ion:	82	Resp:	2961199
Ion	Ratio	Lower	Upper
82	100		
128	39.9	29.9	44.9
54	35.8	29.1	43.7



Abundance Ion 82.00 (81.70 to 82.70): BM
2500000 Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

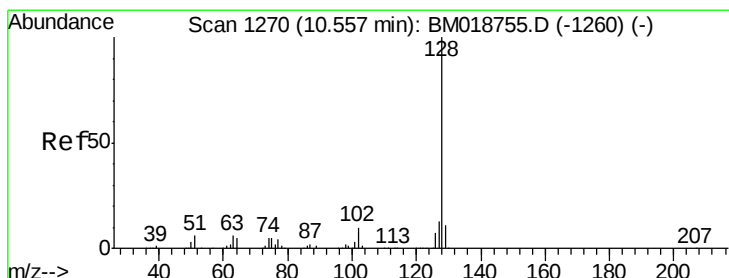
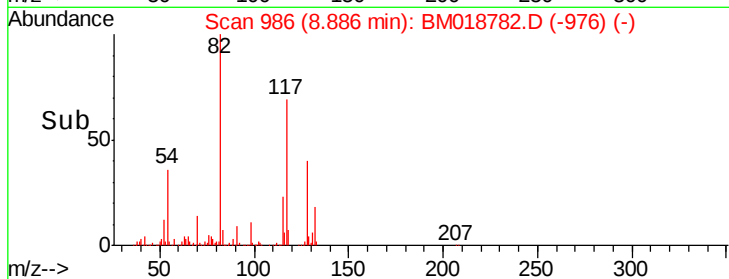
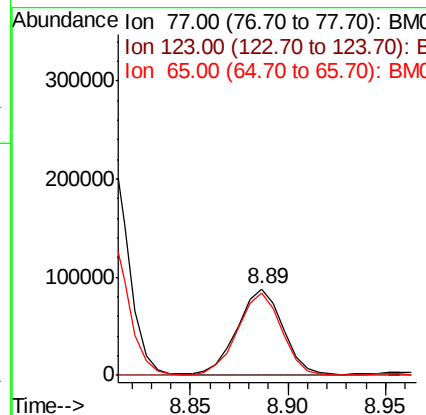
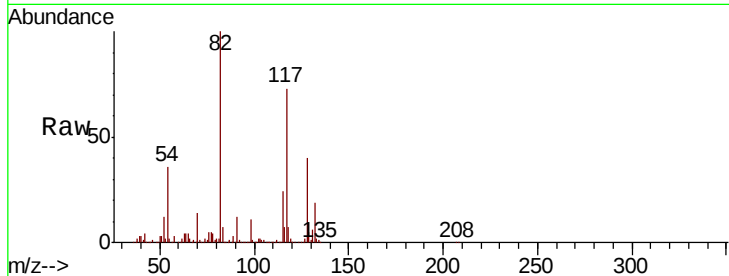




#24
Nitrobenzene
Concen: 3.891 ng
RT: 8.89 min Scan# 986
Delta R.T. -0.04 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

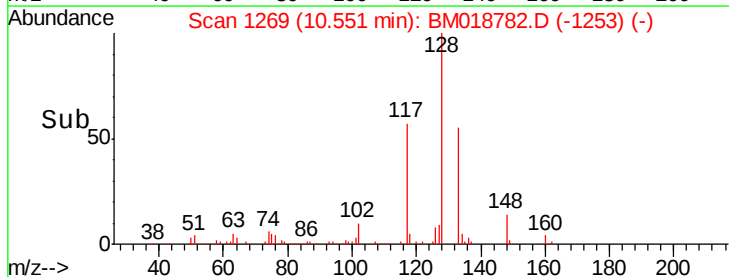
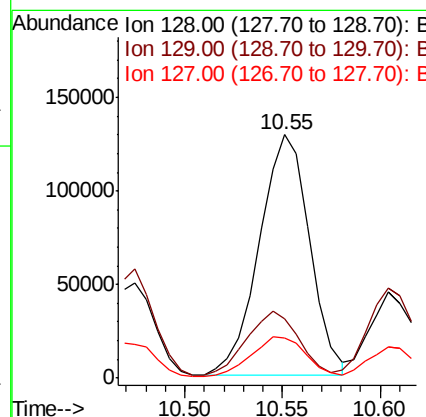
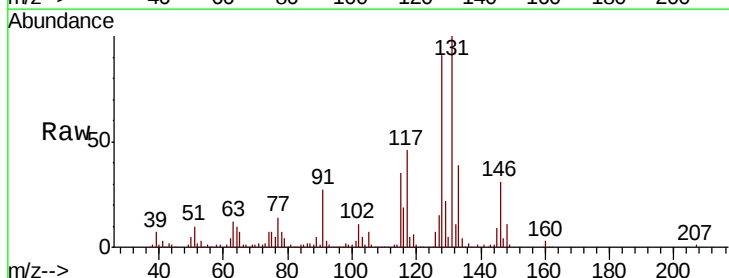
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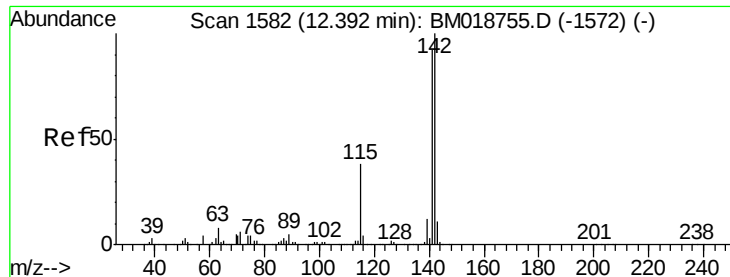
Tgt Ion: 77 Resp: 138439
Ion Ratio Lower Upper
77 100
123 0.4 30.7 46.1#
65 94.9 10.5 15.7#



#31
Naphthalene
Concen: 2.962 ng
RT: 10.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

Tgt Ion: 128 Resp: 228940
Ion Ratio Lower Upper
128 100
129 24.6 9.0 13.4#
127 16.5 10.7 16.1#

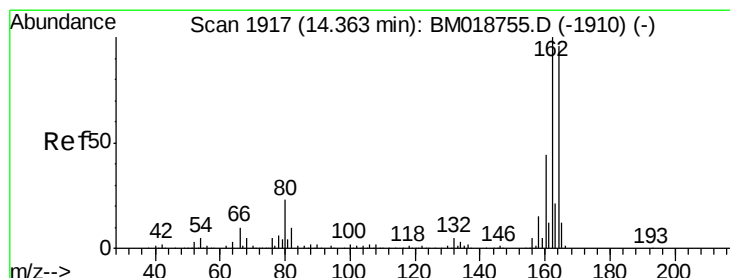
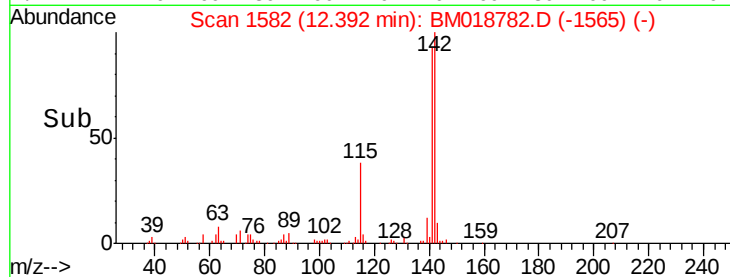
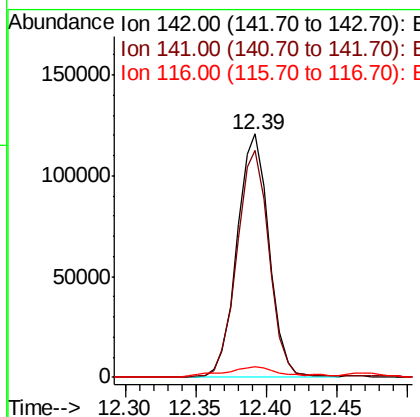
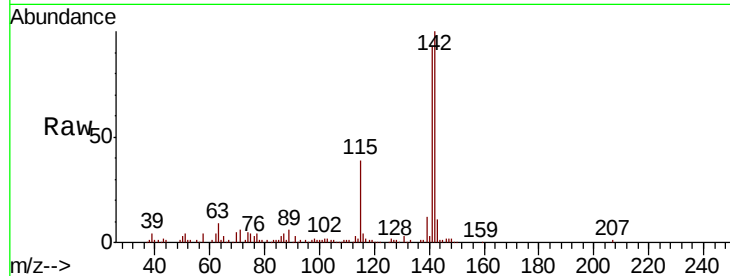




#38
 1-Methylnaphthalene
 Concen: 3.596 ng
 RT: 12.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BM018782.D
 Acq: 12 Feb 2019 20:52

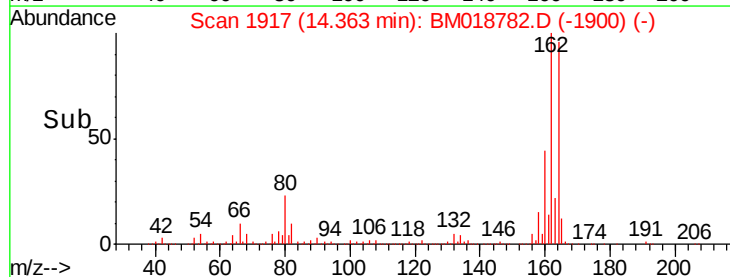
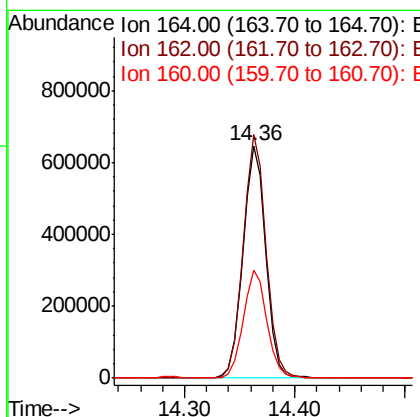
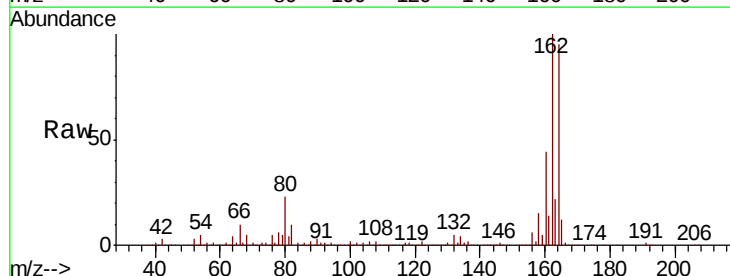
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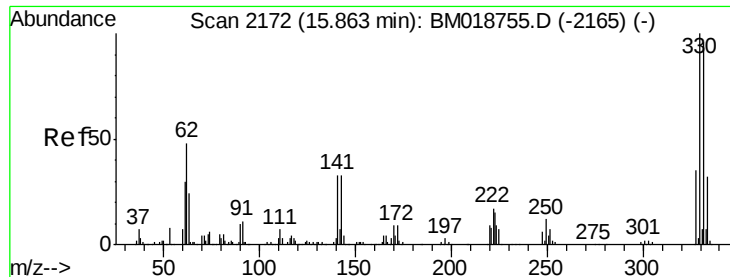
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.9	110.9
116	4.3	3.0	4.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.36 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: BM018782.D
 Acq: 12 Feb 2019 20:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.4	125.0
160	46.4	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 138.110 ng

RT: 15.86 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

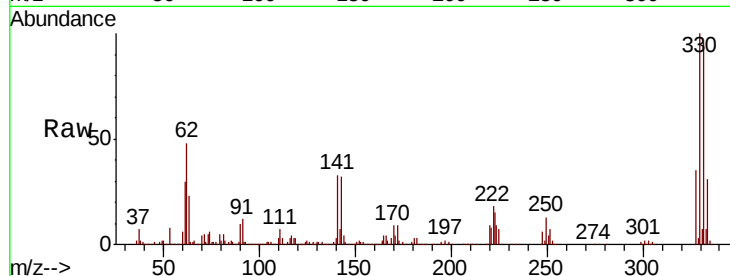
Tgt Ion:330 Resp: 1865260

Ion Ratio Lower Upper

330 100

332 96.5 76.9 115.3

141 35.1 28.7 43.1

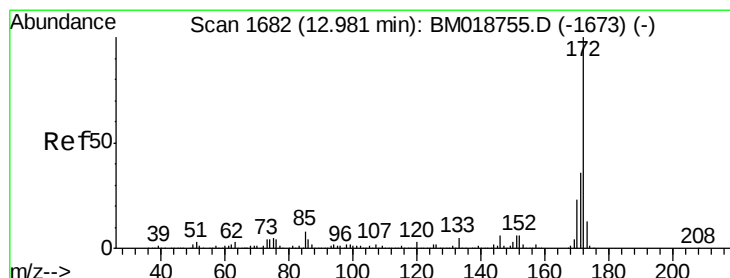
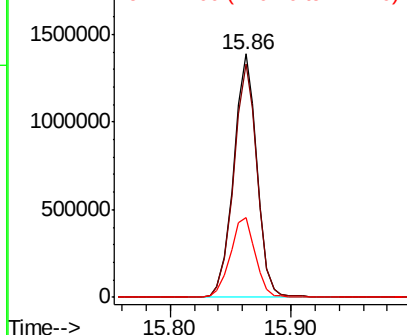
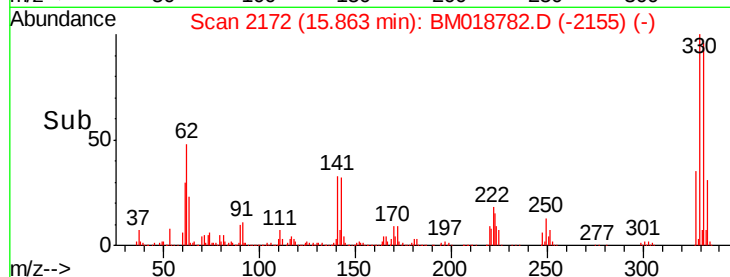


Abundance

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: 83.977 ng

RT: 12.98 min Scan# 1682

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

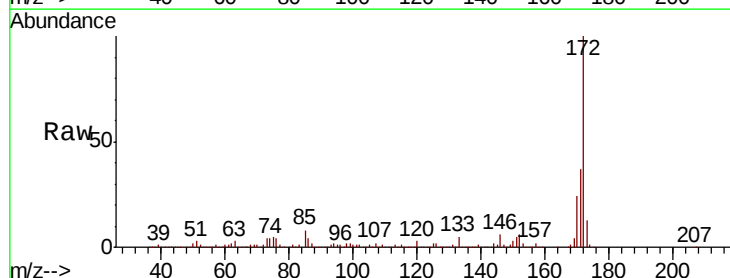
Tgt Ion:172 Resp: 5927069

Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.6

170 23.9 18.6 28.0

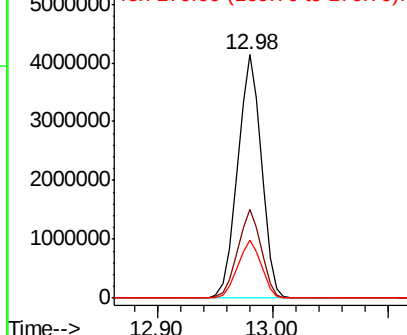
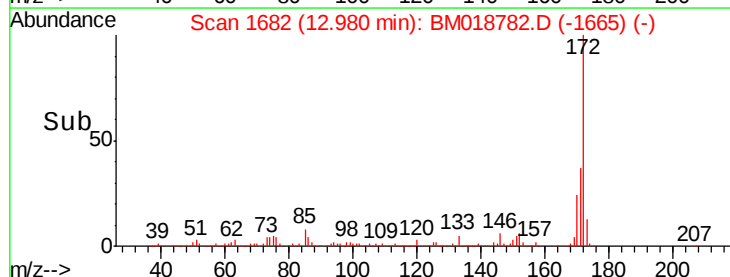


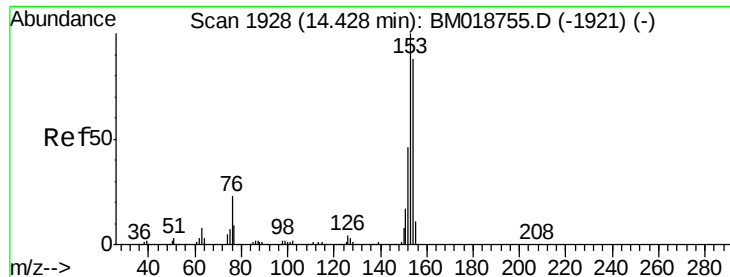
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 12.599 ng

RT: 14.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

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MW-901-20190207

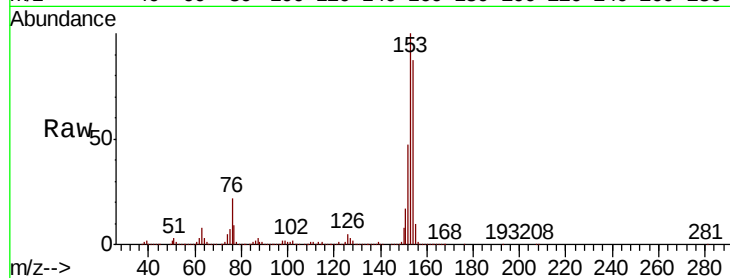
Tgt Ion:154 Resp: 716567

Ion Ratio Lower Upper

154 100

153 114.7 91.3 136.9

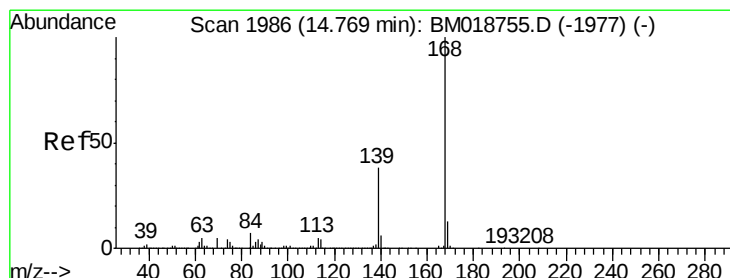
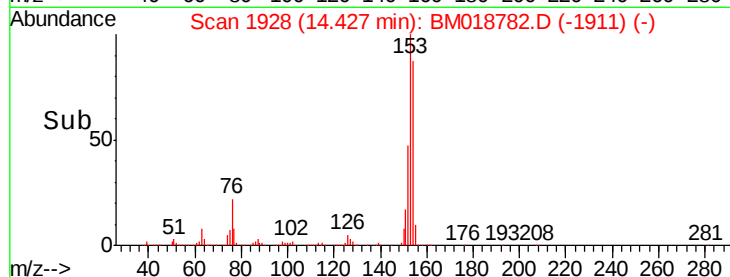
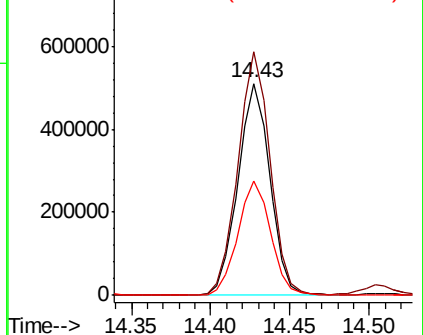
152 54.0 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.242 ng

RT: 14.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

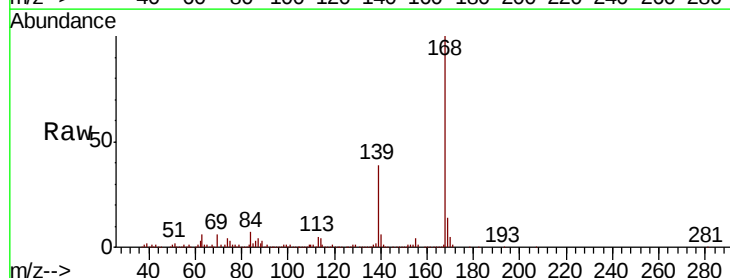
Tgt Ion:168 Resp: 396553

Ion Ratio Lower Upper

168 100

139 39.3 30.7 46.1

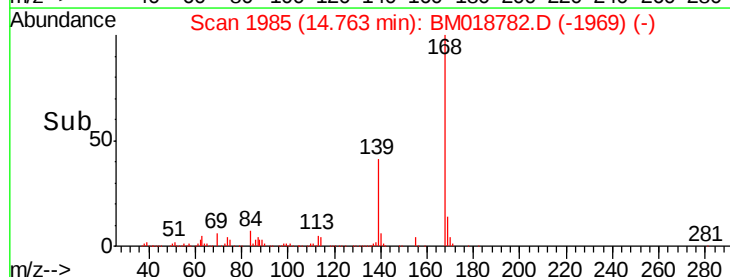
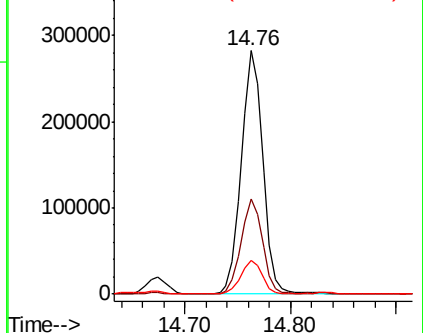
169 13.7 10.3 15.5

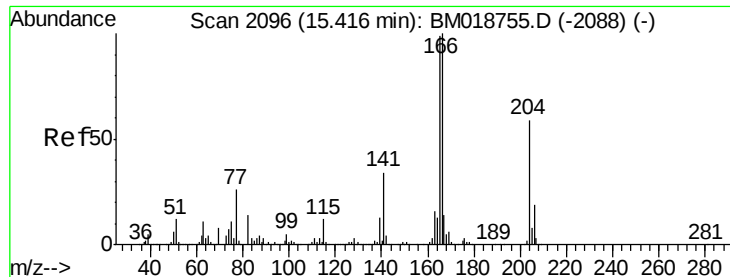


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 12.179 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

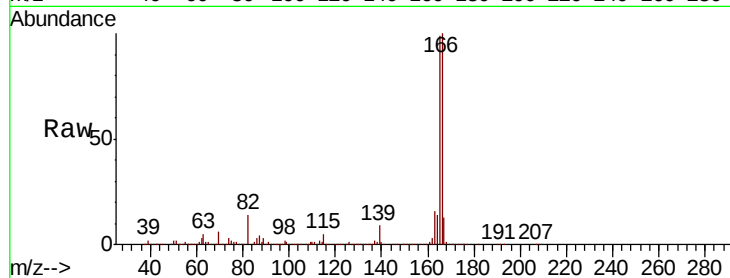
Tgt Ion:166 Resp: 870999

Ion Ratio Lower Upper

166 100

165 98.6 79.1 118.7

167 13.4 11.0 16.4

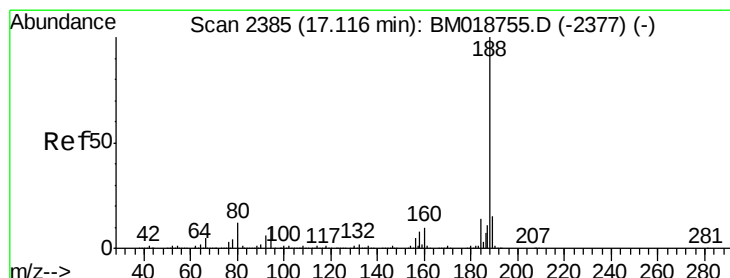
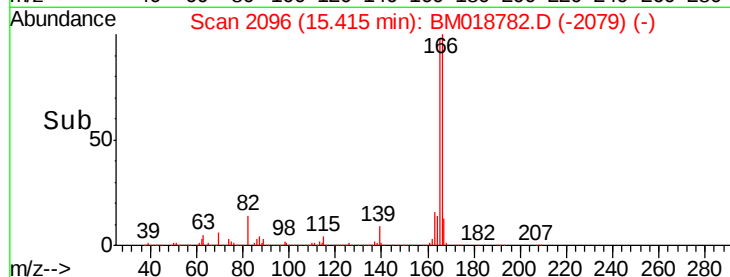
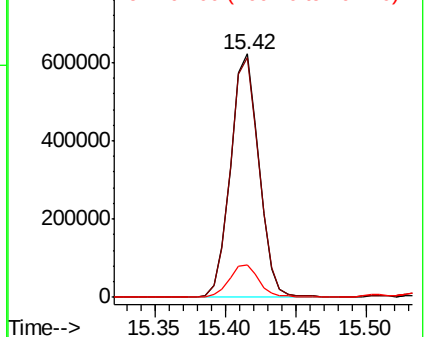


Abundance

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: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

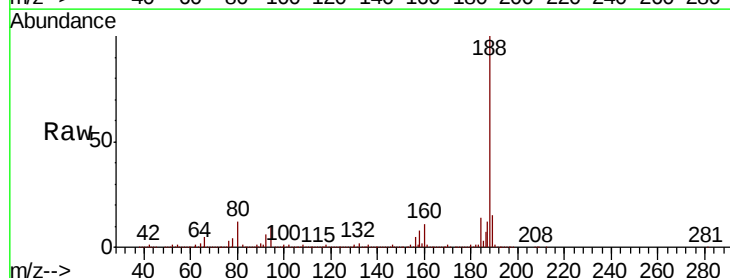
Tgt Ion:188 Resp: 2137277

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.2

80 12.3 9.7 14.5

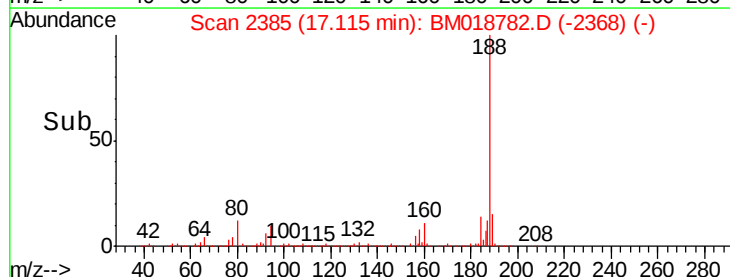
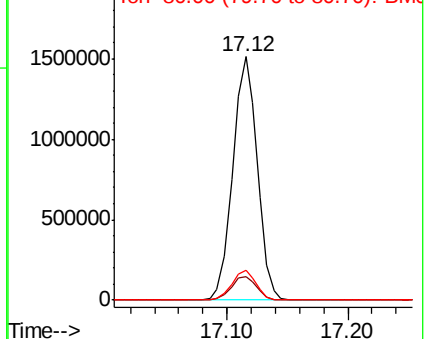


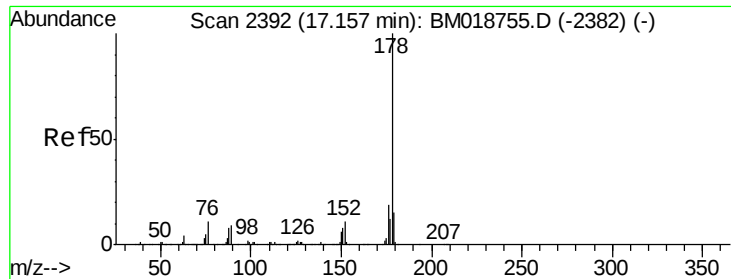
Abundance

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

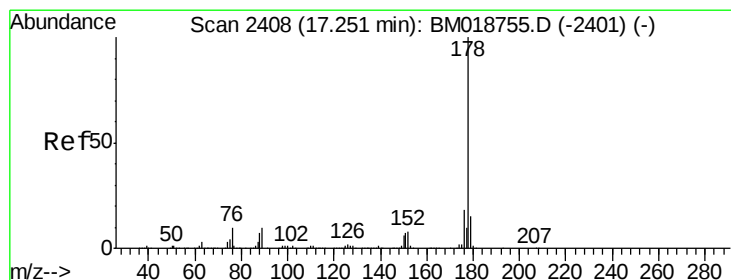
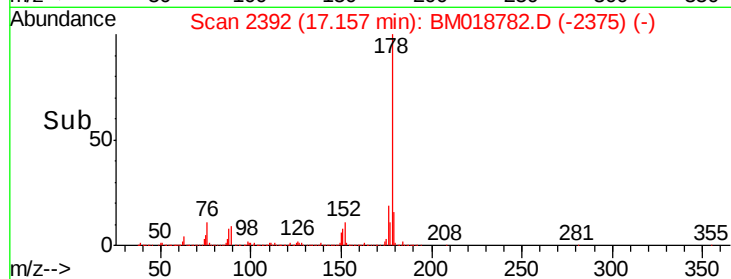
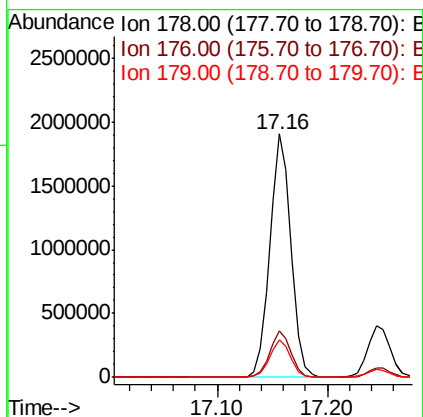
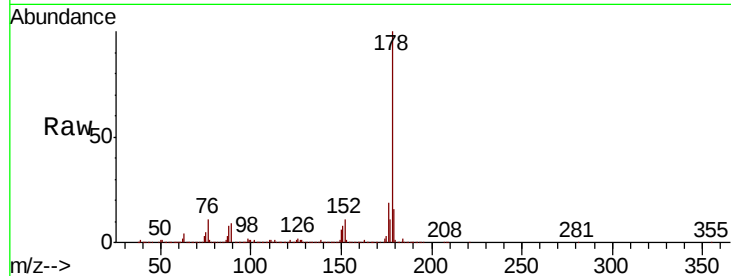




#71
Phenanthrene
Concen: 22.083 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

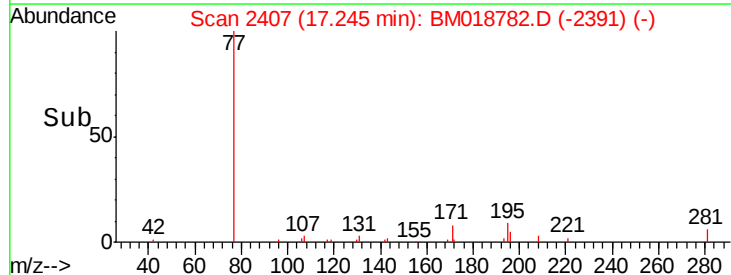
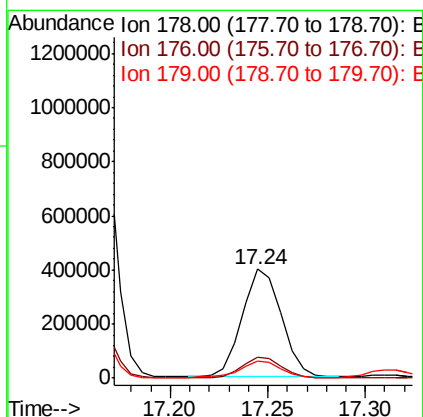
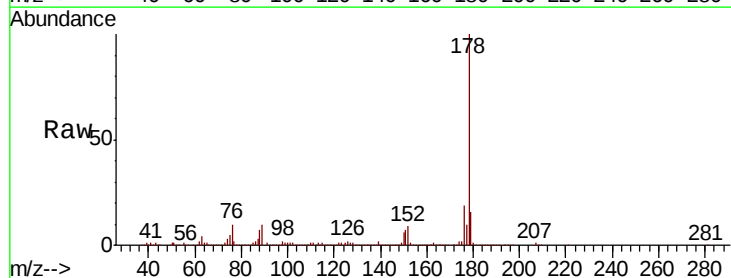
Instrument :
BNA_M
ClientSampleId :
MW-901-20190207

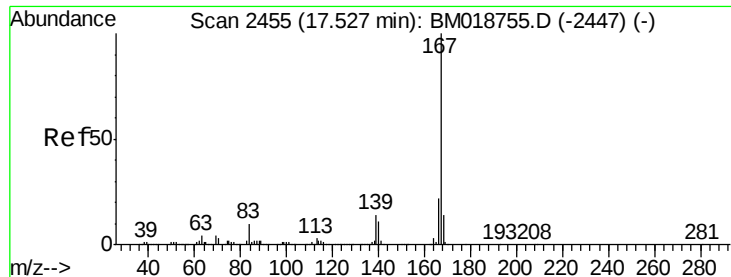
Tgt Ion:178 Resp: 2536431
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.3 18.5



#72
Anthracene
Concen: 4.973 ng
RT: 17.24 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018782.D
Acq: 12 Feb 2019 20:52

Tgt Ion:178 Resp: 555936
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.1 18.1





#73

Carbazole

Concen: 4.018 ng

RT: 17.53 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

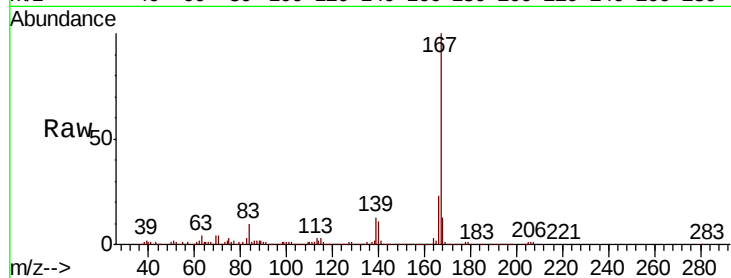
Tgt Ion:167 Resp: 469311

Ion Ratio Lower Upper

167 100

166 22.5 17.7 26.5

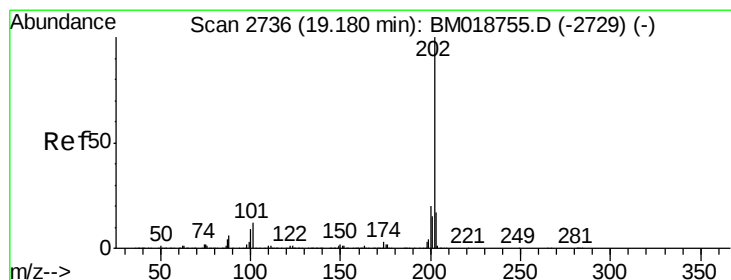
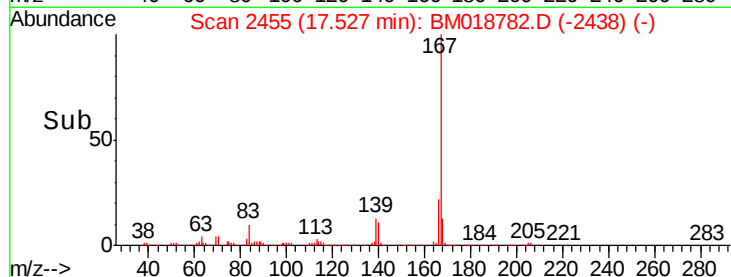
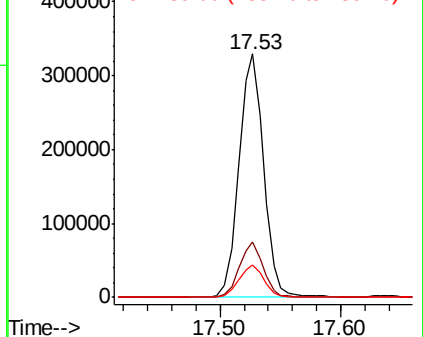
139 13.3 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 6.880 ng

RT: 19.17 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

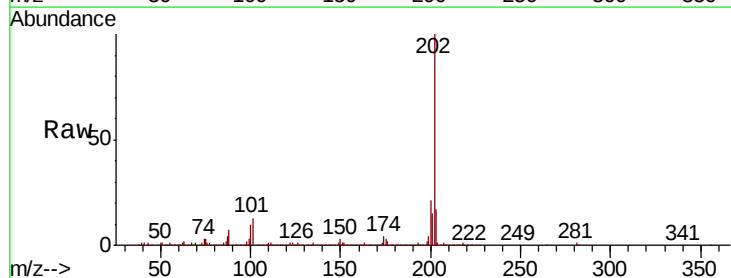
Tgt Ion:202 Resp: 912786

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.5

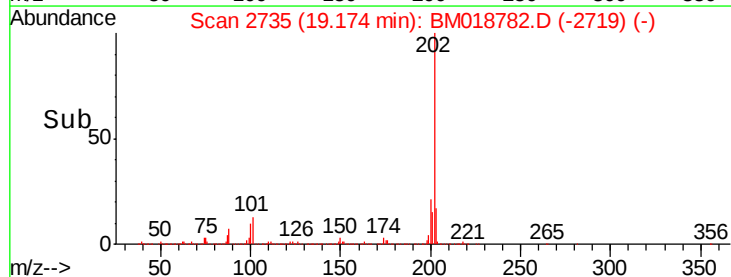
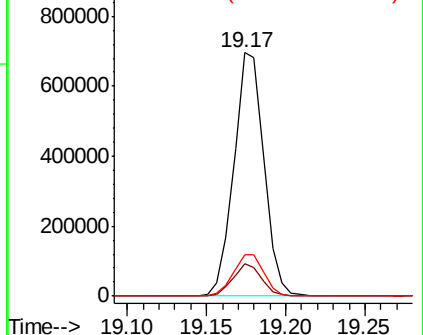
203 17.0 0.0 37.3

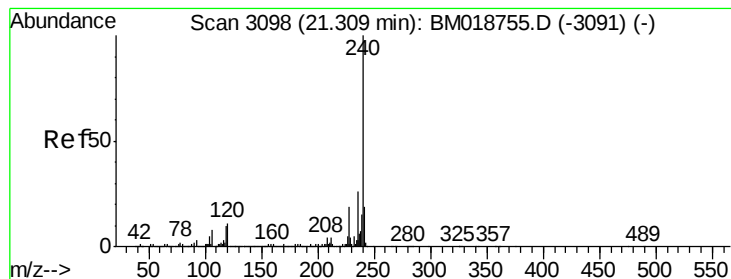


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

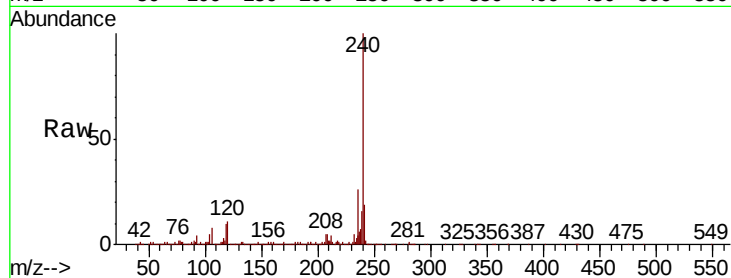
Tgt Ion:240 Resp: 2219198

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

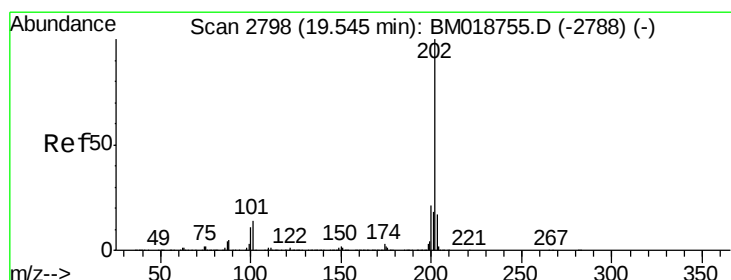
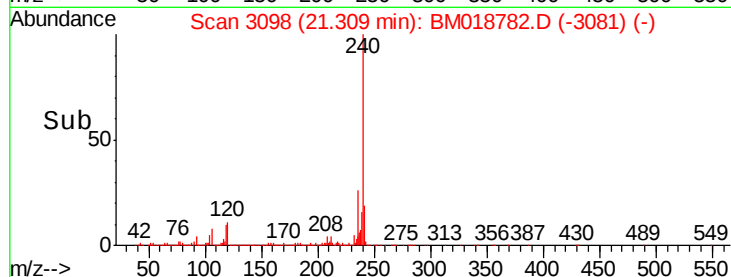
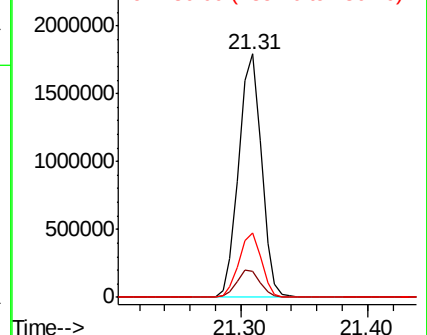
236 26.4 20.9 31.3



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: 4.842 ng

RT: 19.54 min Scan# 2797

Delta R.T. -0.01 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

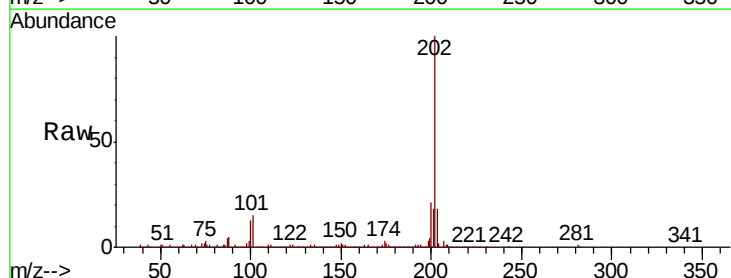
Tgt Ion:202 Resp: 624121

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

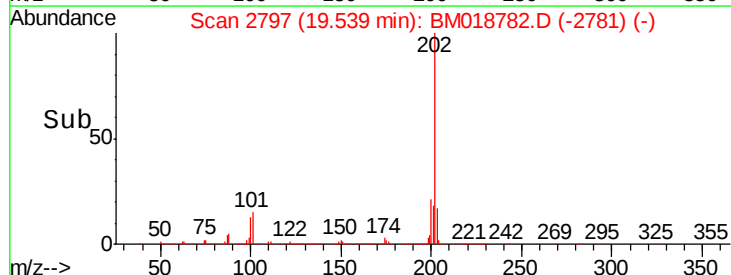
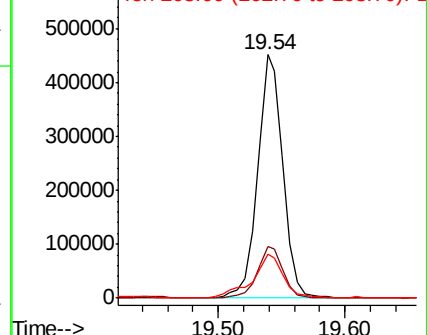
203 18.0 13.8 20.8

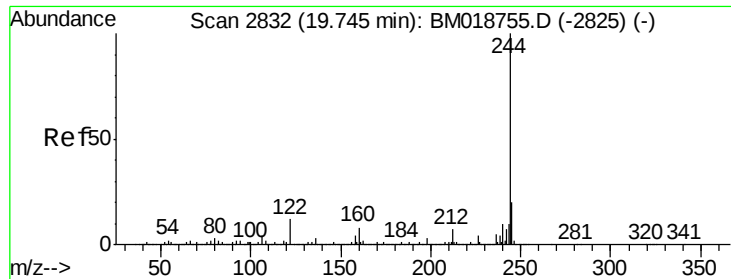


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 90.146 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

Instrument :

BNA_M

ClientSampleId :

MW-901-20190207

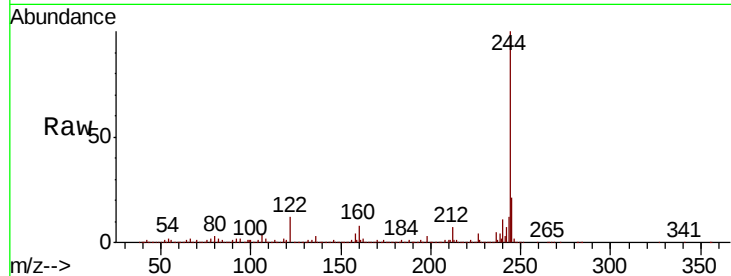
Tgt Ion:244 Resp: 9697667

Ion Ratio Lower Upper

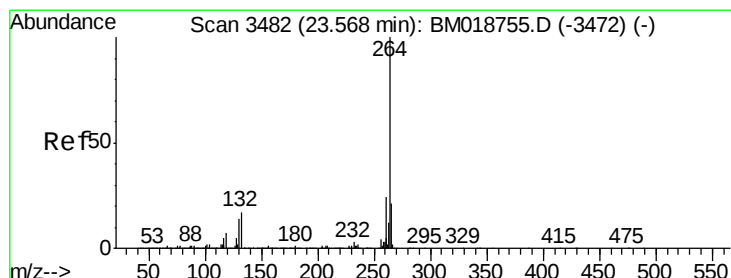
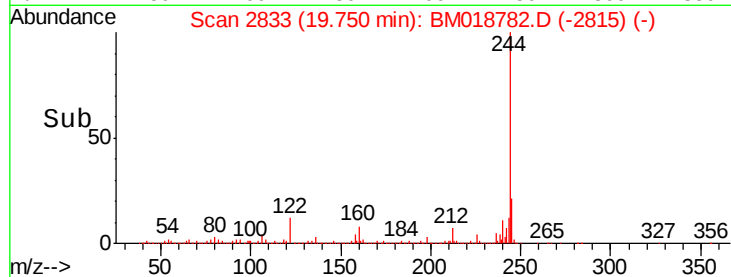
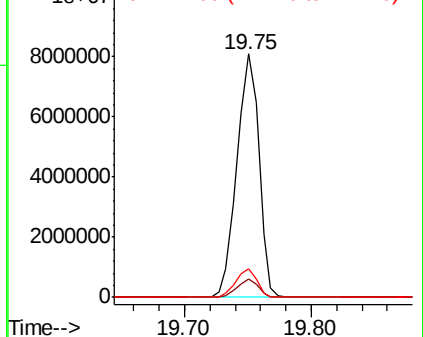
244 100

212 7.3 5.6 8.4

122 11.8 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BM018782.D

Acq: 12 Feb 2019 20:52

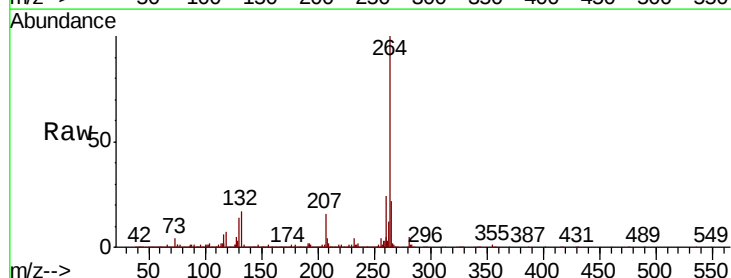
Tgt Ion:264 Resp: 2029910

Ion Ratio Lower Upper

264 100

260 24.3 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

