

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016236.D
 Acq On : 08 Aug 2018 02:55
 Operator : SJ/JU
 Sample : J4277-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 08 04:05:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	48973	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	212757	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	117099	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	272805	20.00	ng	0.00
75) Chrysene-d12	21.64	240	315812	20.00	ng	0.00
86) Perylene-d12	23.98	264	271314	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	46115	15.64	ng	0.00
7) Phenol-d6	7.30	99	59438	15.44	ng	0.00
23) Nitrobenzene-d5	9.33	82	41297	9.03	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	19212	12.94	ng	-0.01
44) 2-Fluorobiphenyl	13.39	172	85888	8.92	ng	0.00
78) Terphenyl-d14	20.09	244	148011	9.81	ng	0.00

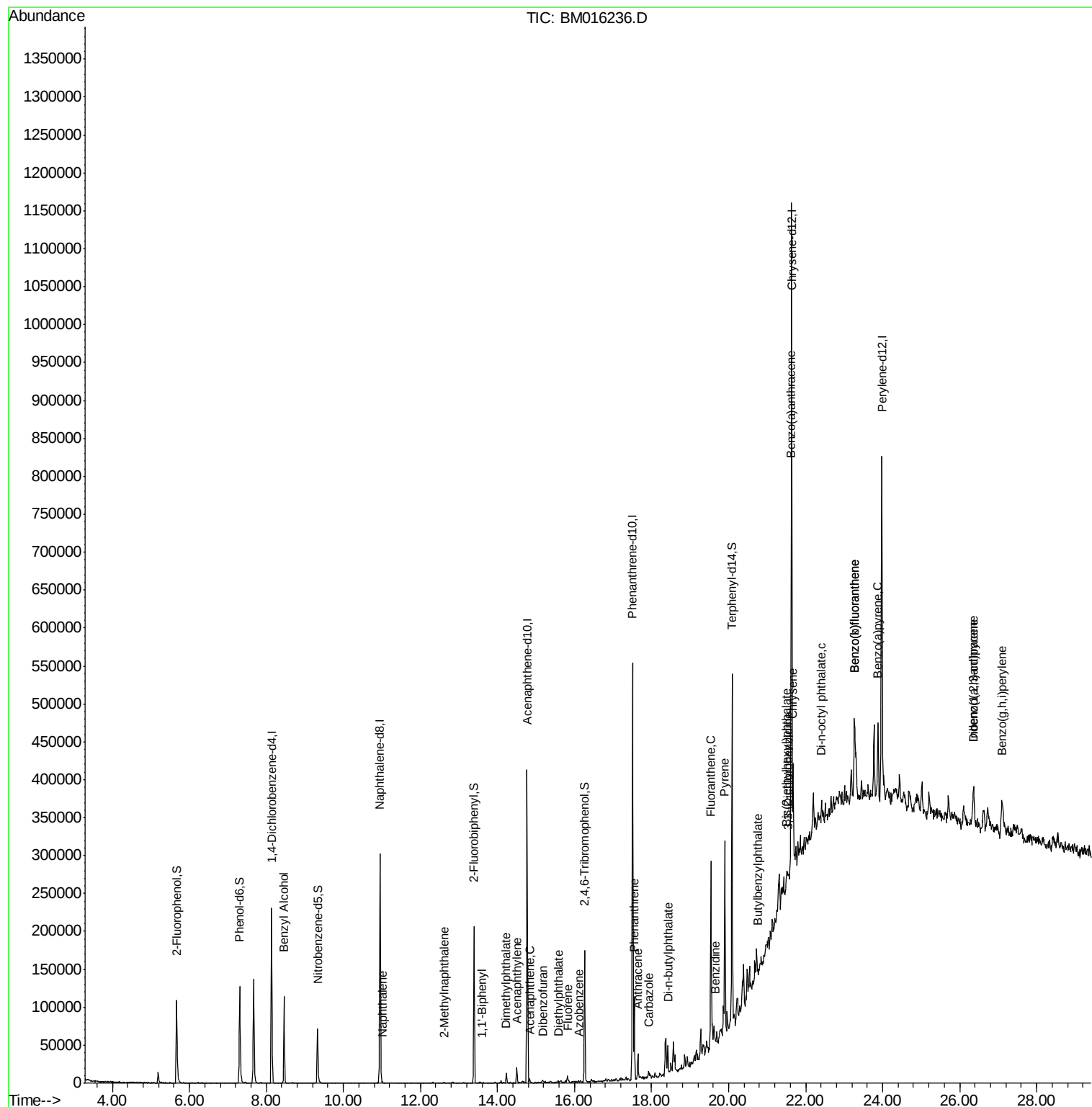
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.45	79	620	0.202	ng	# 51
31) Naphthalene	11.00	128	1574	0.146	ng	# 69
37) 2-Methylnaphthalene	12.60	142	628	0.087	ng	# 79
45) 1,1'-Biphenyl	13.60	154	109	0.010	ng	# 42
48) Acenaphthylene	14.50	152	13876	1.153	ng	98
49) Dimethylphthalate	14.22	163	7744	0.756	ng	# 97
51) Acenaphthene	14.83	154	2217	0.300	ng	# 78
54) Dibenzofuran	15.17	168	1890	0.155	ng	# 80
57) Fluorene	15.82	166	5517	0.609	ng	97
59) Diethylphthalate	15.57	149	1184	0.107	ng	# 58
62) Azobenzene	16.10	77	113	0.010	ng	# 1
70) Phenanthrene	17.55	178	57448	3.761	ng	99
71) Anthracene	17.64	178	19509	1.314	ng	97
72) Carbazole	17.92	167	4768	0.310	ng	# 90
73) Di-n-butylphthalate	18.43	149	1635	0.085	ng	# 45
74) Fluoranthene	19.54	202	123286	7.236	ng	98
76) Benzidine	19.65	184	127	0.014	ng	# 1
77) Pyrene	19.90	202	121940	6.443	ng	98
79) Butylbenzylphthalate	20.75	149	1151	0.120	ng	# 62
80) Benzo(a)anthracene	21.62	228	70865	3.643	ng	97
81) 3,3'-Dichlorobenzidine	21.56	252	259	0.033	ng	# 71
82) Chrysene	21.67	228	65349	3.502	ng	94
83) Bis(2-ethylhexyl)phthalate	21.51	149	3761	0.270	ng	# 79
84) Di-n-octyl phthalate	22.41	149	3661	0.156	ng	# 54
85) Indeno(1,2,3-cd)pyrene	26.36	276	36192	1.635	ng	# 93
87) Benzo(b)fluoranthene	23.27	252	80275	5.025	ng	97
88) Benzo(k)fluoranthene	23.27	252	80035	4.944	ng	94
89) Benzo(a)pyrene	23.87	252	57233	3.727	ng	# 91
90) Dibenzo(a,h)anthracene	26.36	278	12065	0.758	ng	# 60
91) Benzo(g,h,i)perylene	27.10	276	39625	2.633	ng	96

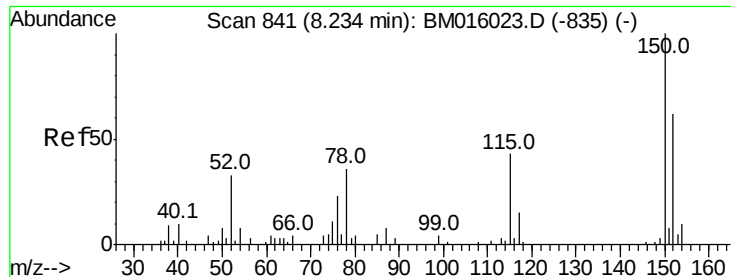
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
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BNA_M
ClientSampled :

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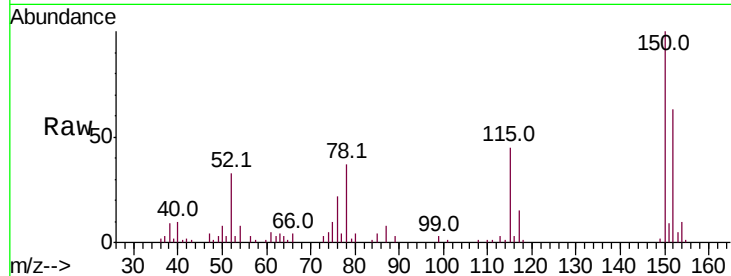


#1

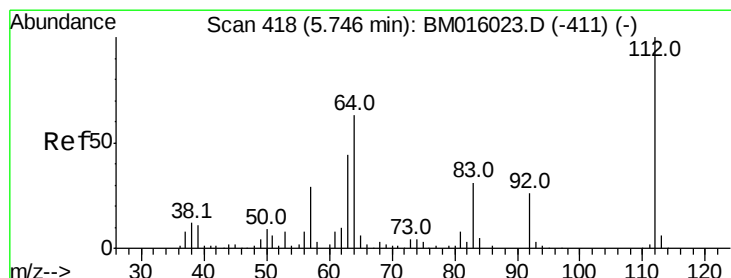
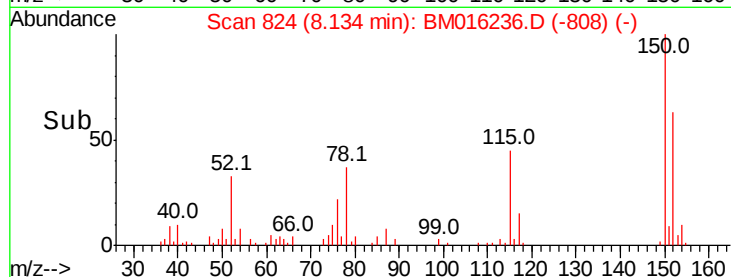
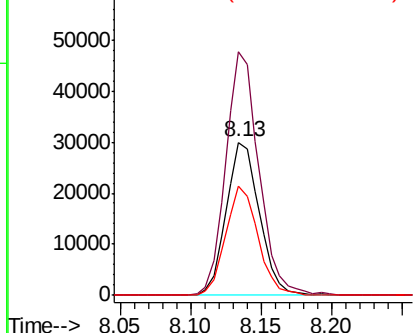
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 48973
Ion Ratio Lower Upper
152 100
150 159.2 119.5 179.3
115 71.4 43.0 64.4#



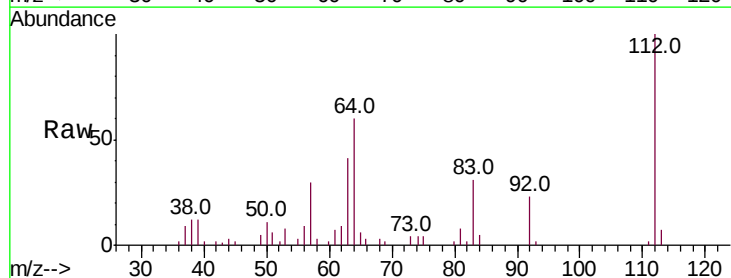
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



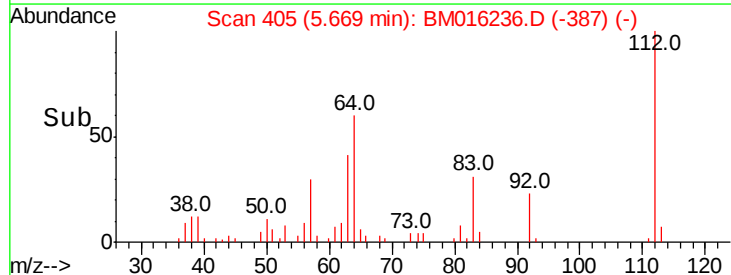
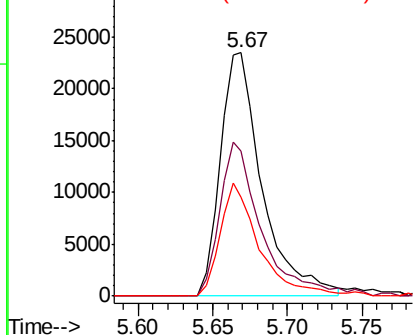
#5

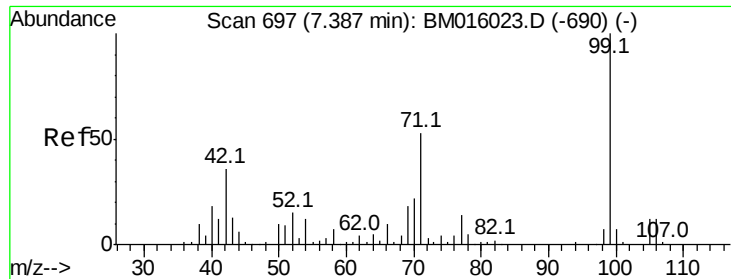
2-Fluorophenol
Concen: N.D. ng
RT: 5.67 min Scan# 405
Delta R.T. 0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:112 Resp: 46115
Ion Ratio Lower Upper
112 100
64 59.6 38.6 57.8#
63 40.6 19.3 28.9#



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: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

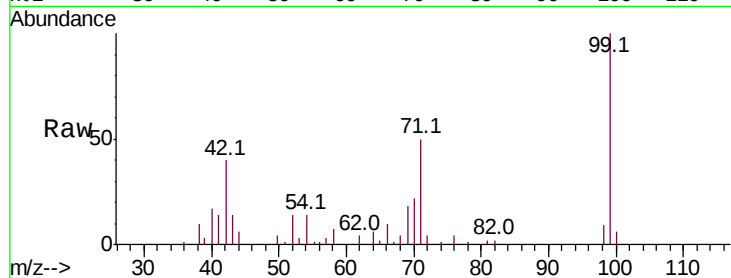
Tot Ion: 99 Resp: 59438

Ion Ratio Lower Upper

99 100

42 39.6 11.0 16.4#

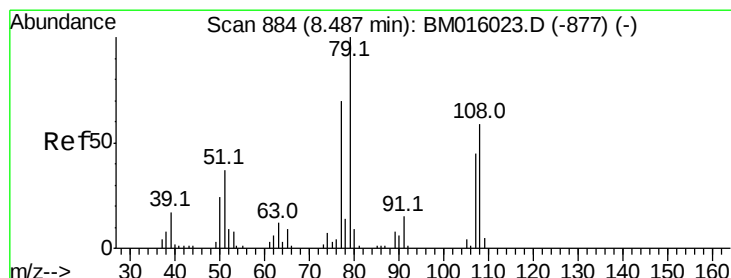
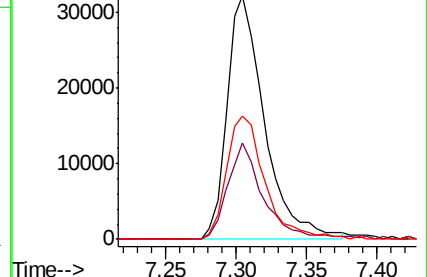
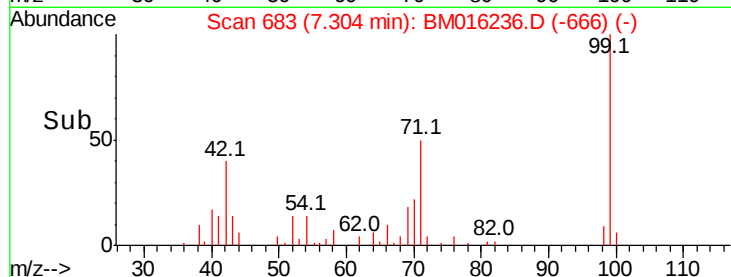
71 50.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#15

Benzyl Alcohol

Concen: 0.202 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.05 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

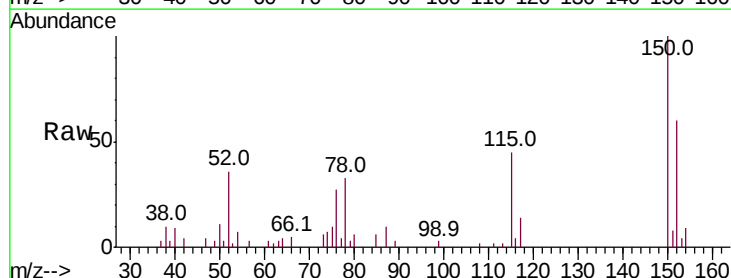
Tgt Ion: 79 Resp: 620

Ion Ratio Lower Upper

79 100

108 54.8 65.0 97.4#

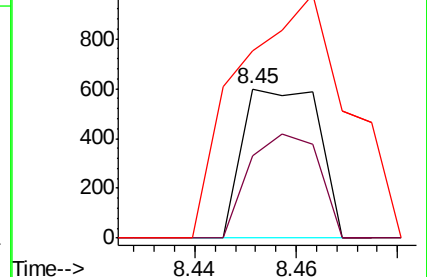
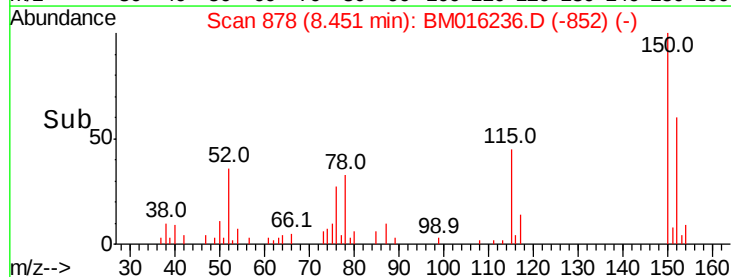
77 125.0 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016023.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016023.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-877) (-)

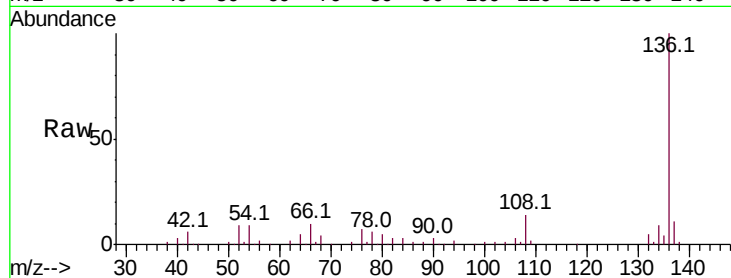




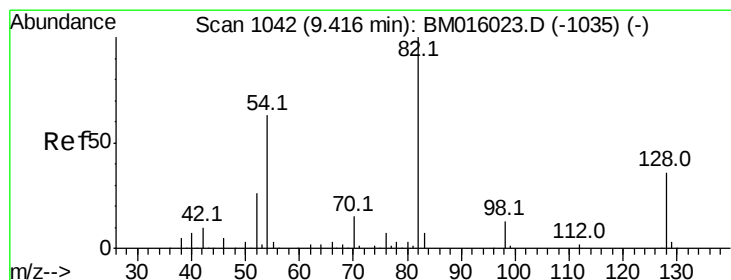
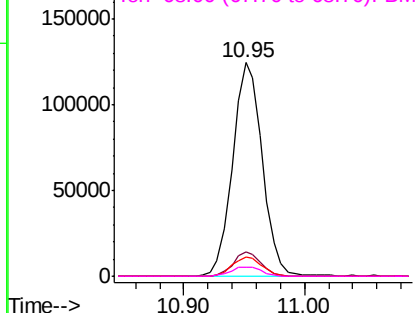
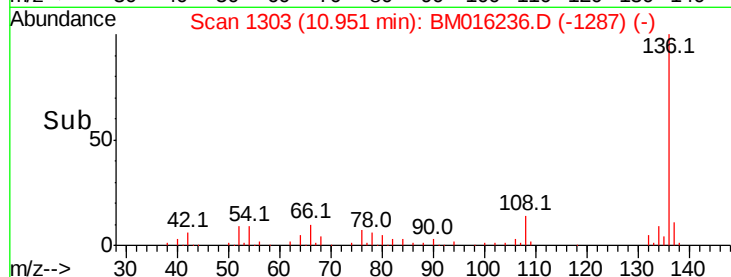
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	136	Resp:	212757
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.0	4.6	6.8#
68	4.2	3.7	5.5

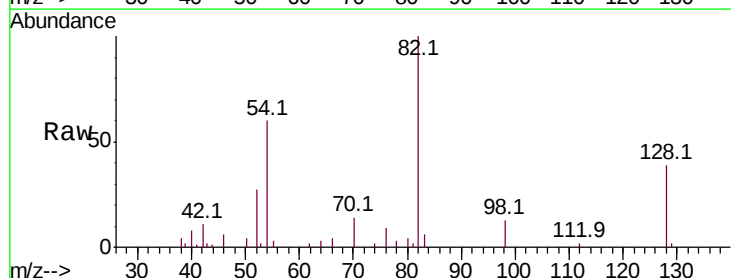


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

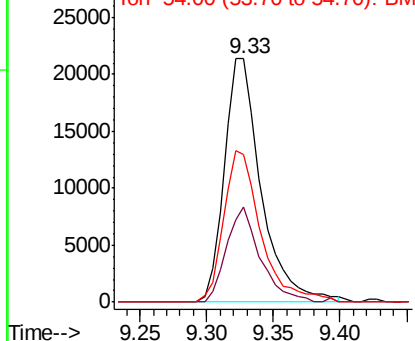
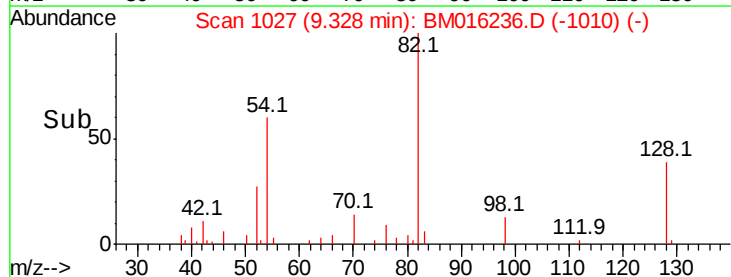


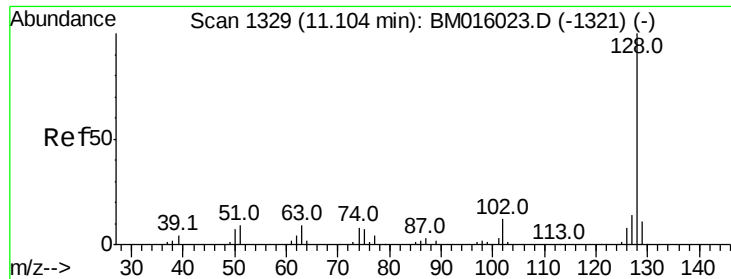
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.33 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:	82	Resp:	41297
Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.8	49.2
54	60.4	40.6	60.8



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

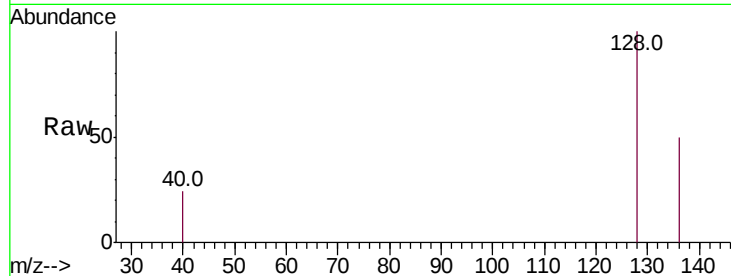




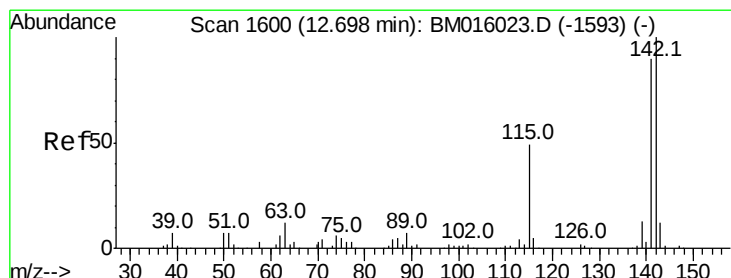
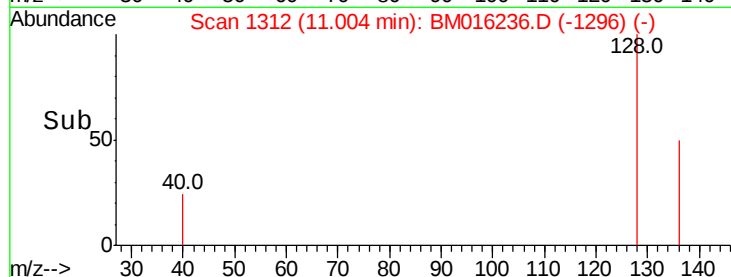
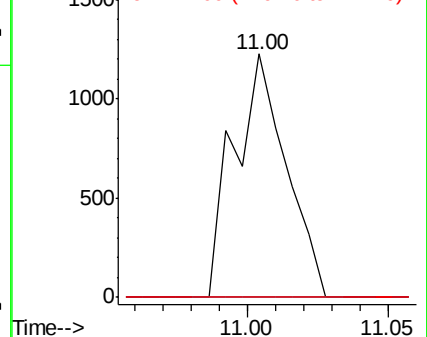
#31
Naphthalene
Concen: 0.146 ng
RT: 11.00 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 1574
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.4 15.6#

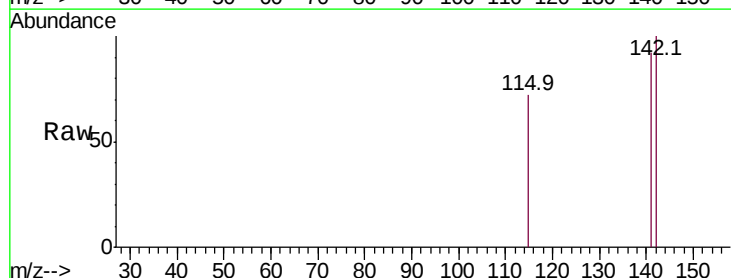


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

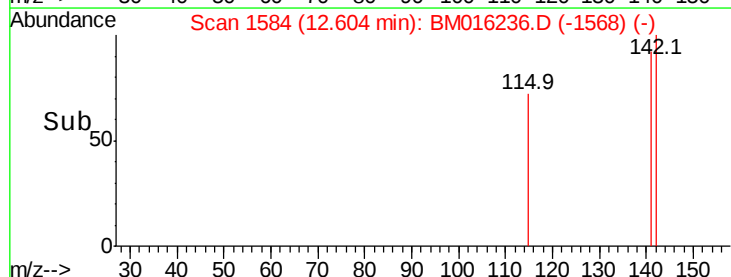
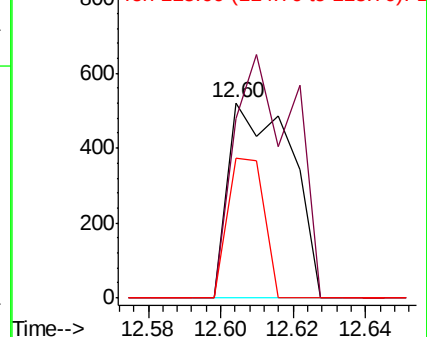


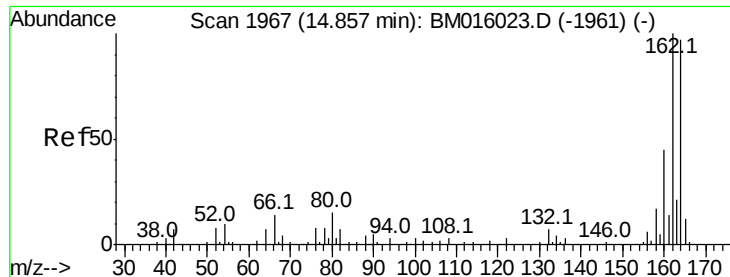
#37
2-Methylnaphthalene
Concen: 0.087 ng
RT: 12.60 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:142 Resp: 628
Ion Ratio Lower Upper
142 100
141 92.3 71.9 107.9
115 72.0 25.4 38.0#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

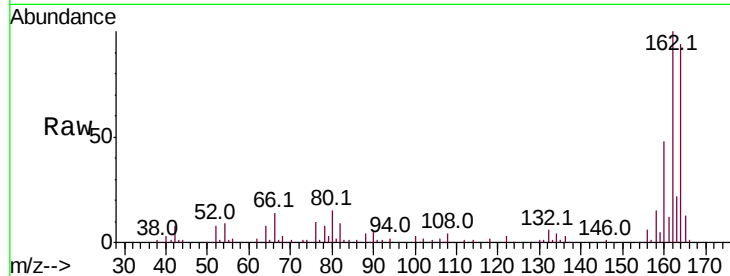
Tot Ion:164 Resp: 117099

Ion Ratio Lower Upper

164 100

162 106.6 82.4 123.6

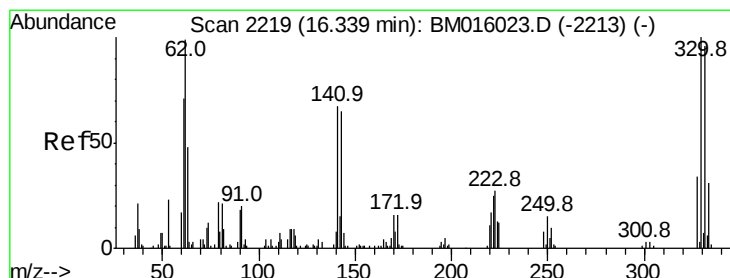
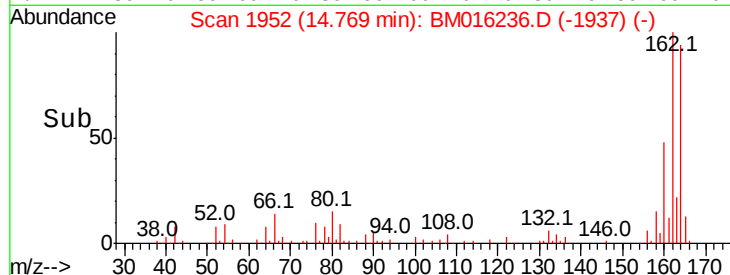
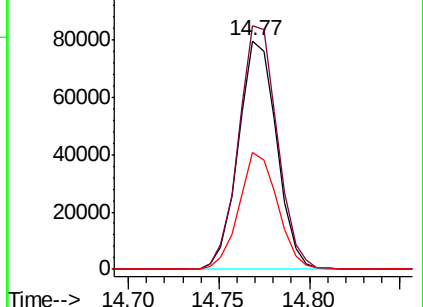
160 51.0 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.26 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

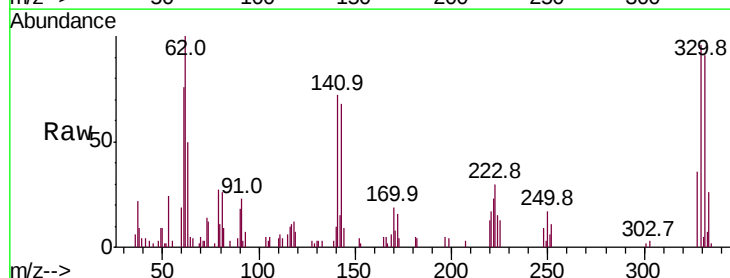
Tgt Ion:330 Resp: 19212

Ion Ratio Lower Upper

330 100

332 99.3 0.0 0.0#

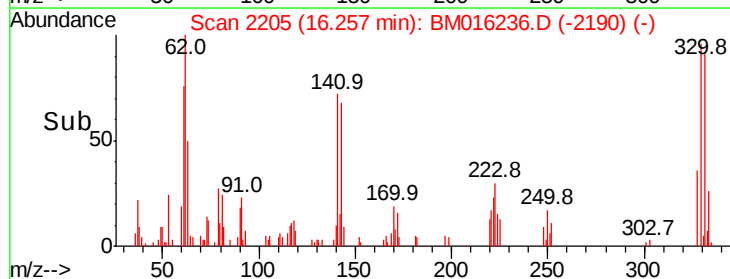
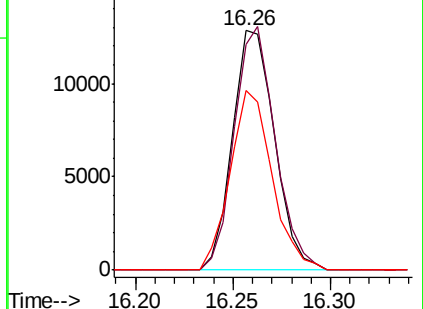
141 74.6 0.0 0.0#

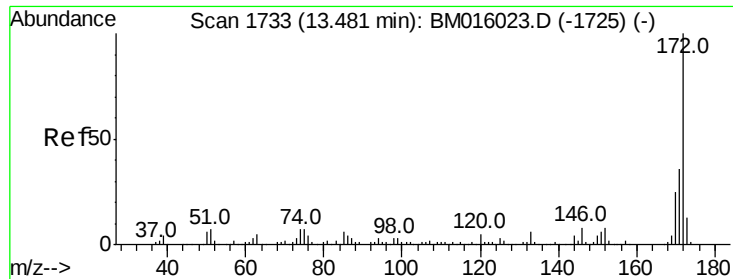


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

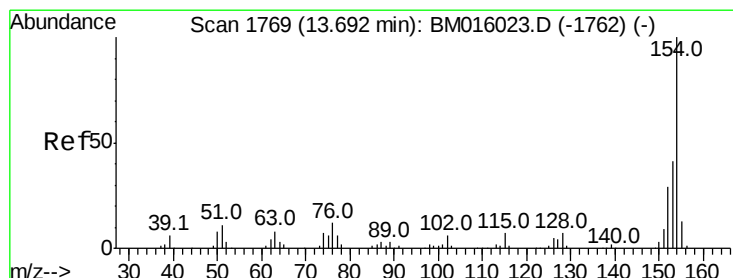
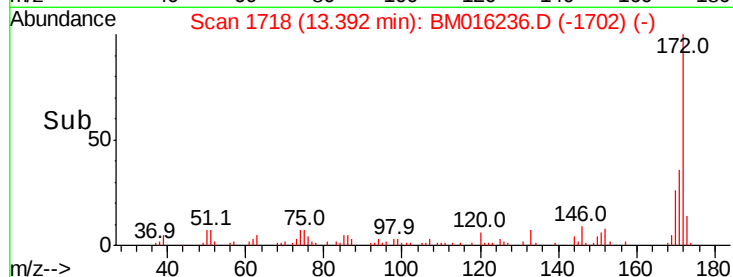
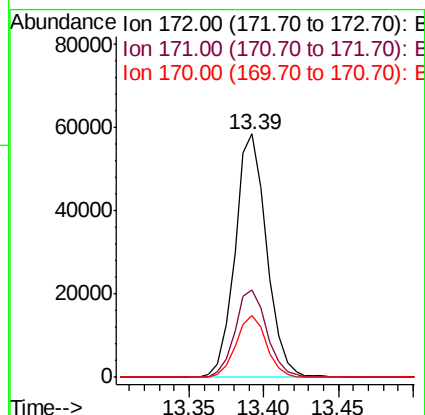
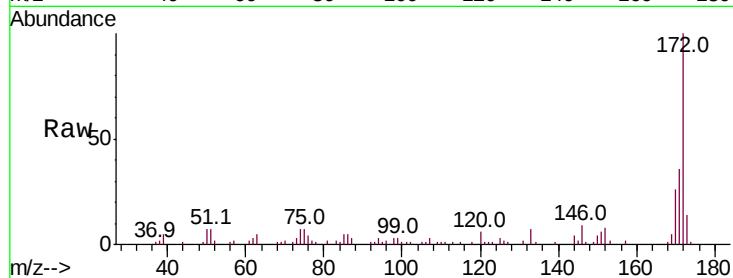




#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

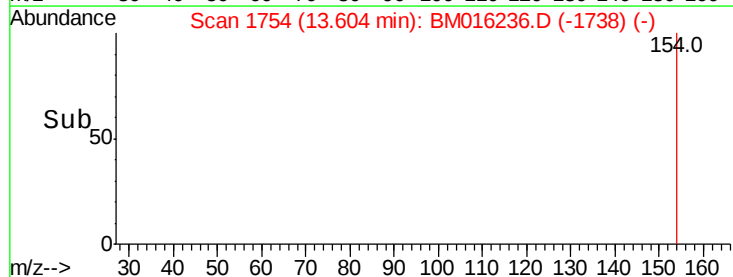
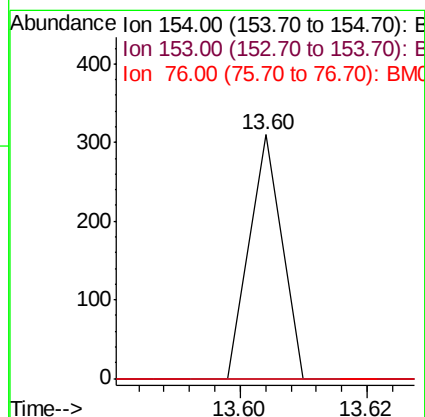
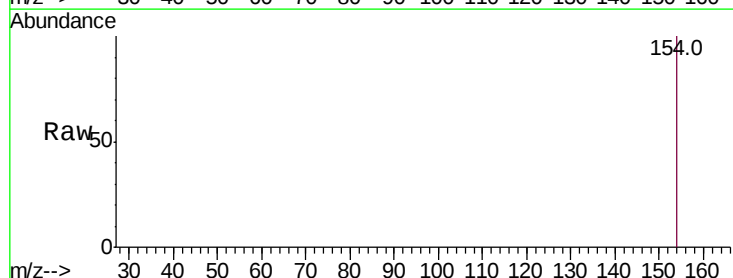
Instrument :
 BNA_M
 ClientSampleId :

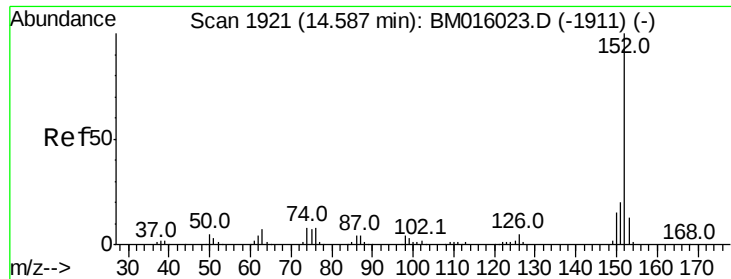
Tot Ion:172 Resp: 85888
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 25.6 18.8 28.2



#45
 1,1'-Biphenyl
 Concen: 0.010 ng
 RT: 13.60 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Tgt Ion:154 Resp: 109
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.7 60.7#
 76 0.0 0.0 30.9





#48

Acenaphthylene

Concen: 1.153 ng

RT: 14.50 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

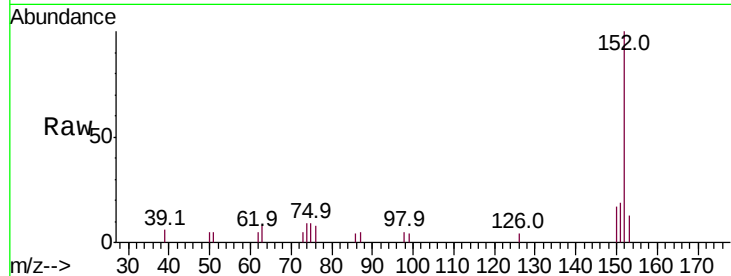
Tot Ion:152 Resp: 13876

Ion Ratio Lower Upper

152 100

151 18.5 15.9 23.9

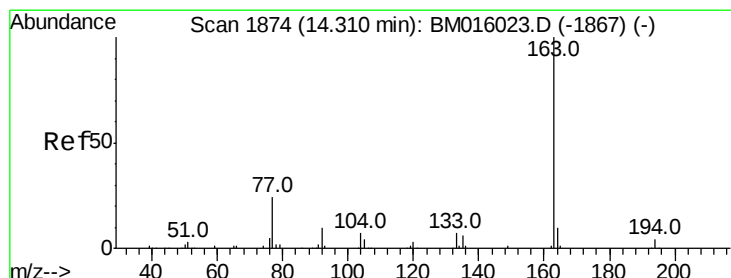
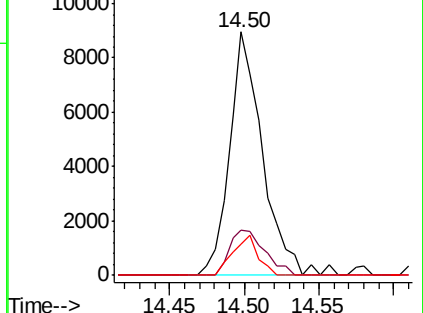
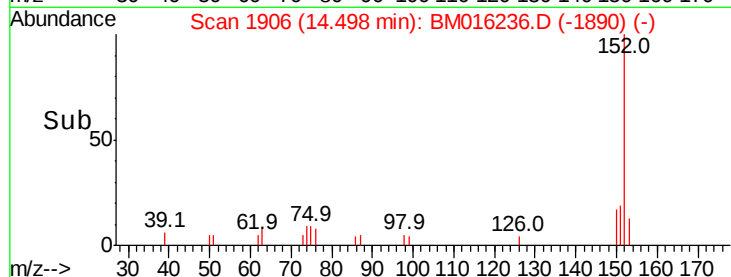
153 12.7 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.756 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.02 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

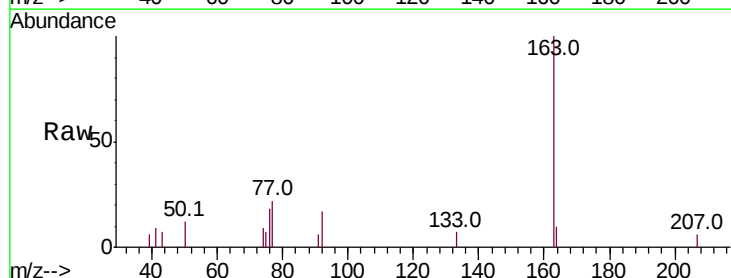
Tgt Ion:163 Resp: 7744

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

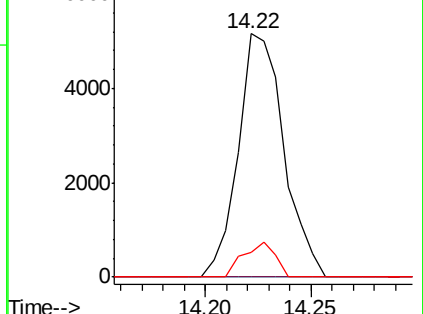
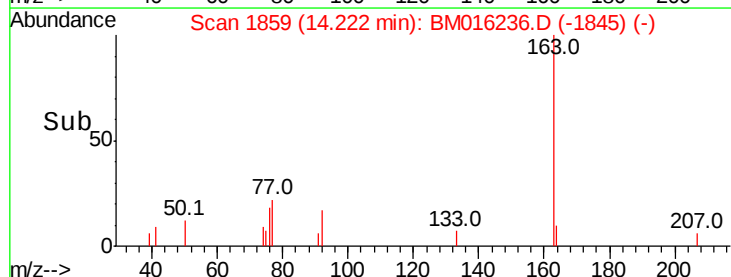
164 10.4 8.2 12.2

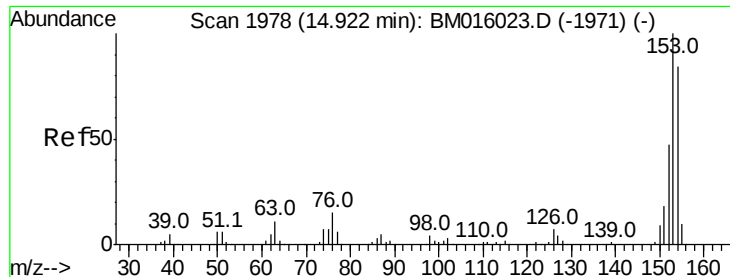


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 0.300 ng

RT: 14.83 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampled :

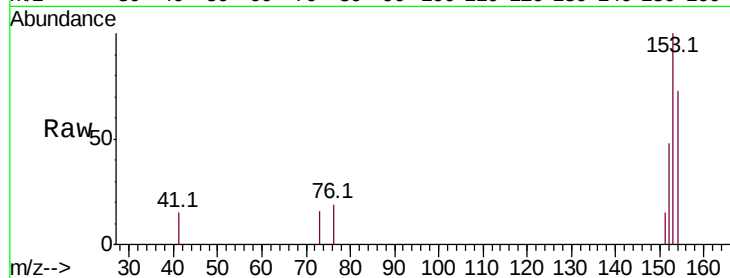
Tot Ion:154 Resp: 2217

Ion Ratio Lower Upper

154 100

153 137.8 90.0 135.0#

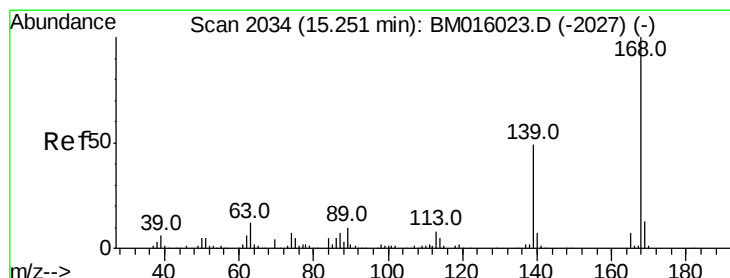
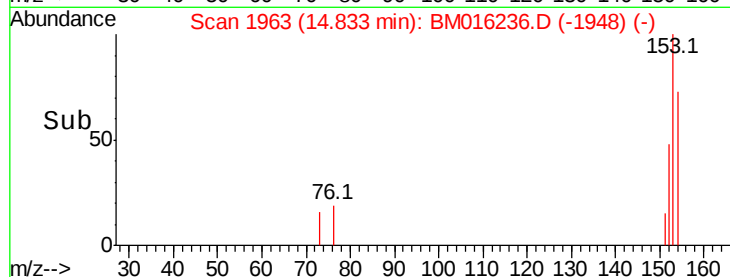
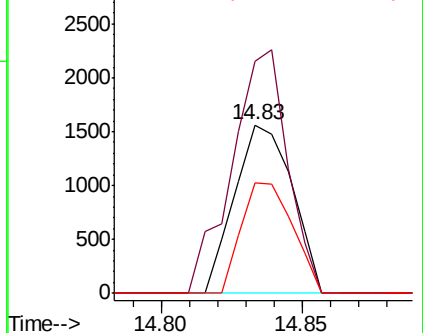
152 65.8 42.6 63.8#



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



#54

Dibenzofuran

Concen: 0.155 ng

RT: 15.17 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

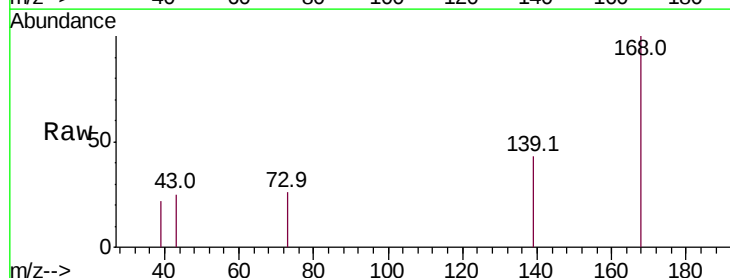
Tgt Ion:168 Resp: 1890

Ion Ratio Lower Upper

168 100

139 42.9 27.3 40.9#

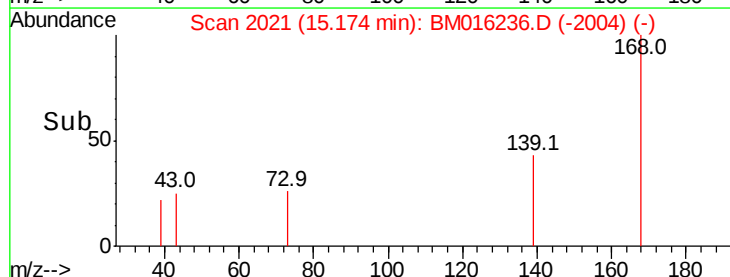
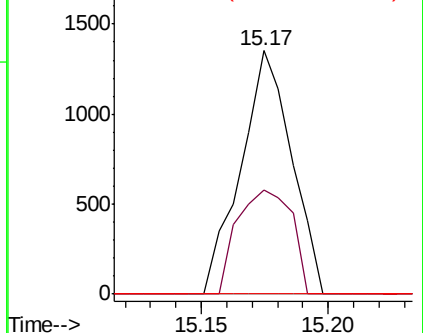
169 0.0 10.6 16.0#

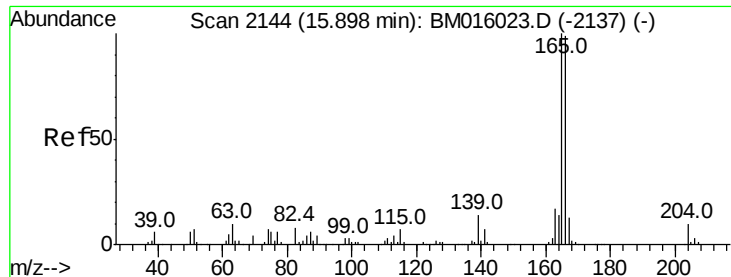


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

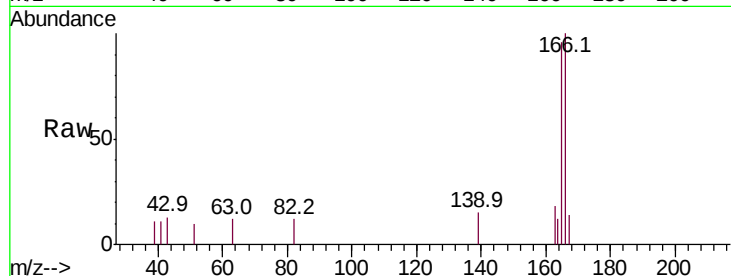




#57
 Fluorene
 Concen: 0.609 ng
 RT: 15.82 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.0	118.4
167	13.5	10.3	15.5

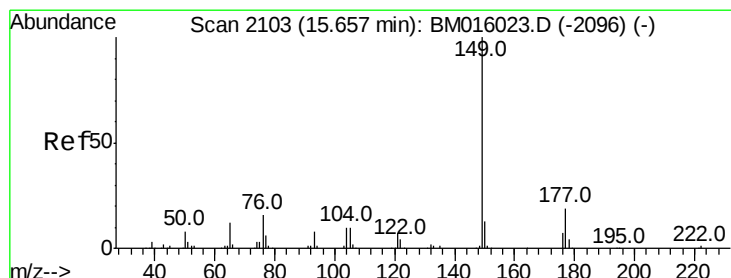
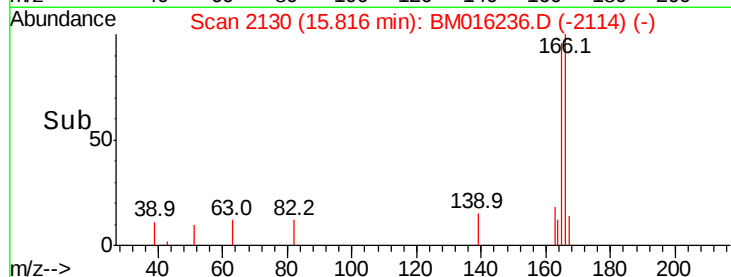
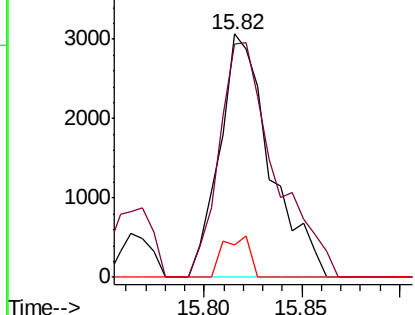


Abundance

Ion 166.00 (165.70 to 166.70): E

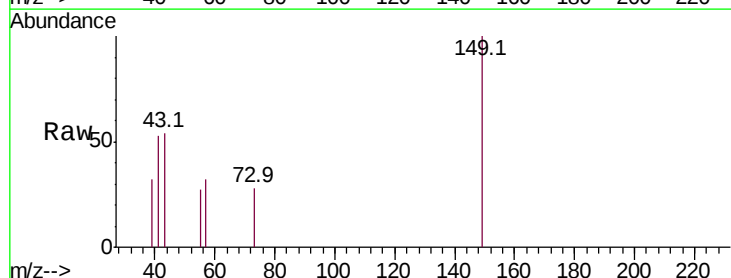
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59
 Diethylphthalate
 Concen: 0.107 ng
 RT: 15.57 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	18.3	27.5#
150	0.0	9.8	14.8#

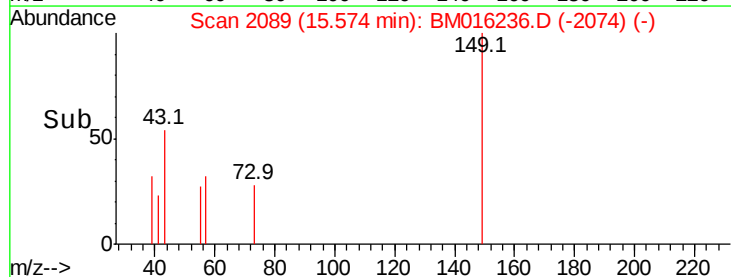
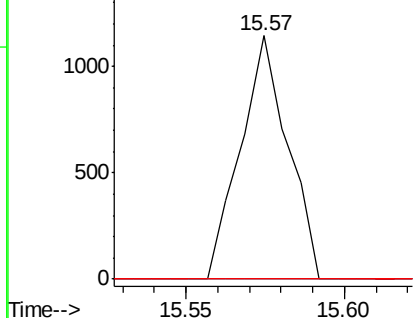


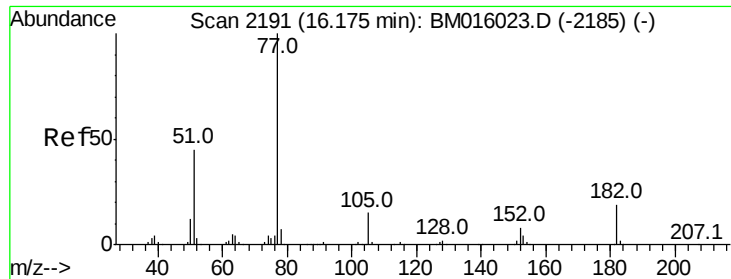
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.010 ng

RT: 16.10 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 77 Resp: 113

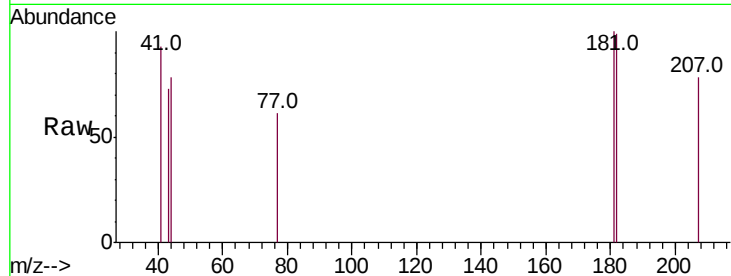
Ion Ratio Lower Upper

77 100

182 161.6 6.5 46.5#

105 0.0 3.8 43.8#

51 0.0 5.5 45.5#

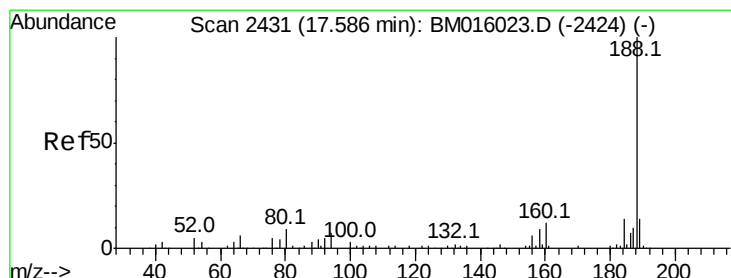
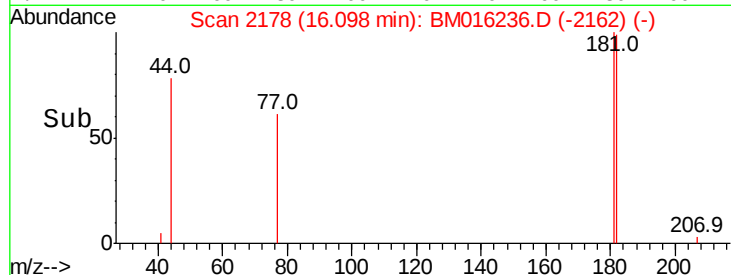
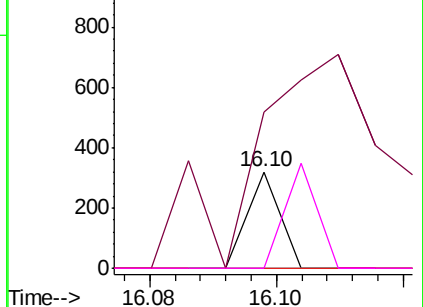


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

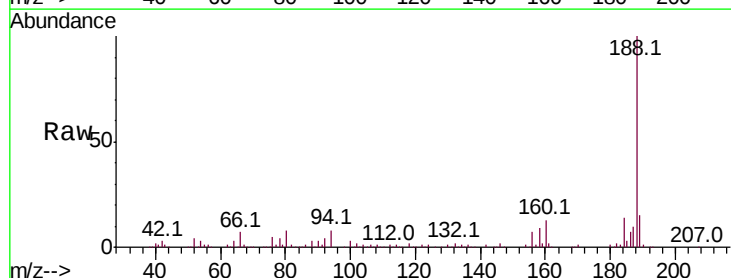
Tgt Ion: 188 Resp: 272805

Ion Ratio Lower Upper

188 100

94 8.2 8.7 13.1#

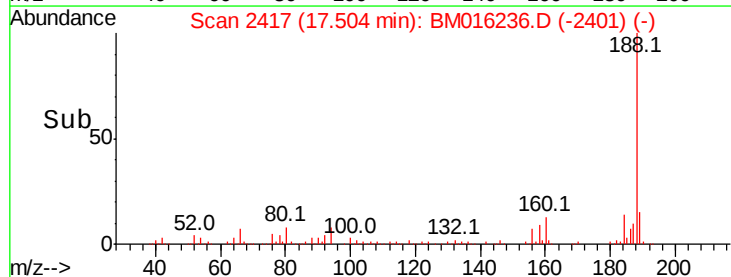
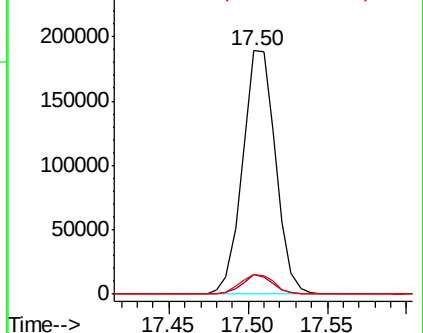
80 8.1 9.3 13.9#

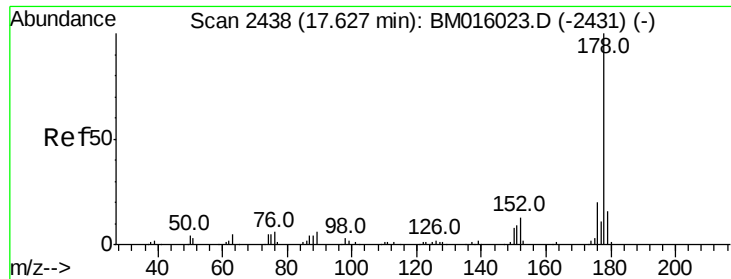


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

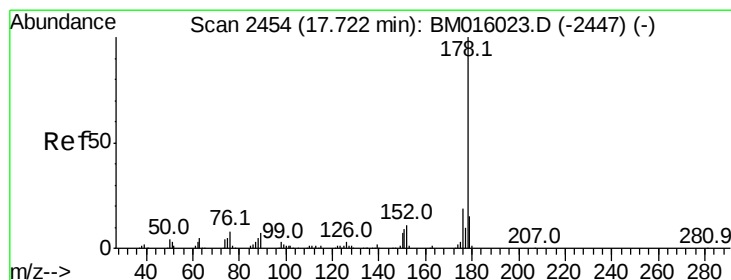
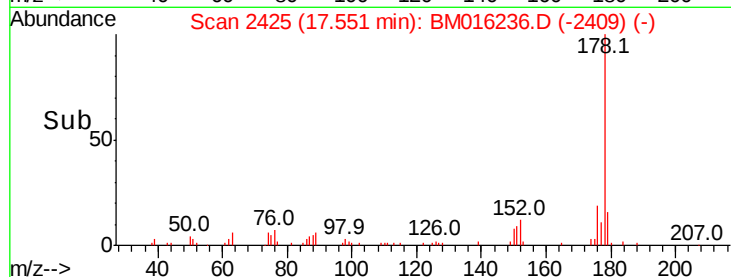
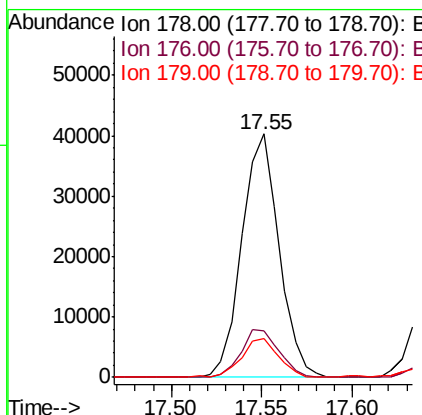
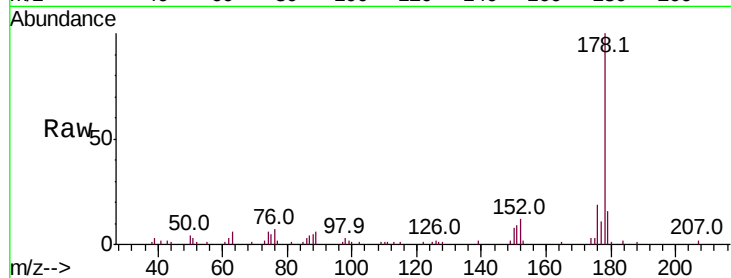




#70
 Phenanthrene
 Concen: 3.761 ng
 RT: 17.55 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

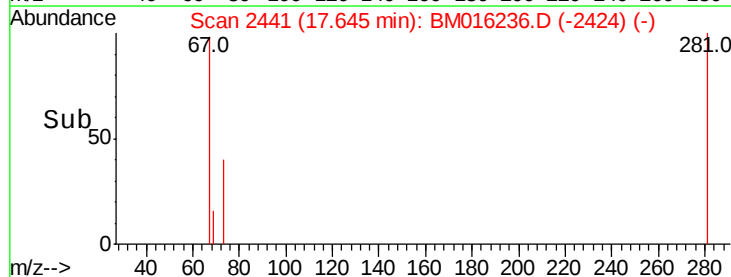
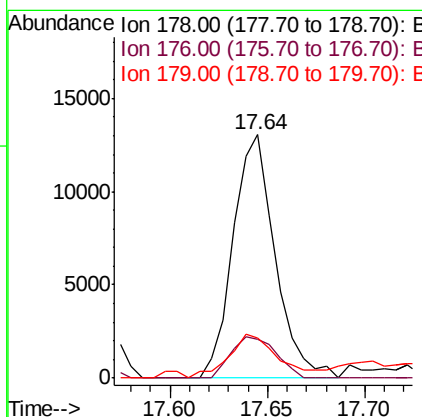
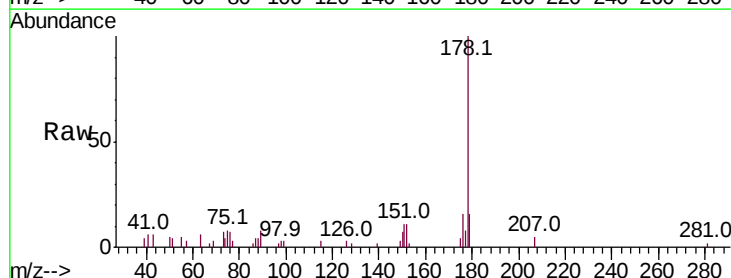
Instrument :
 BNA_M
 ClientSampled :

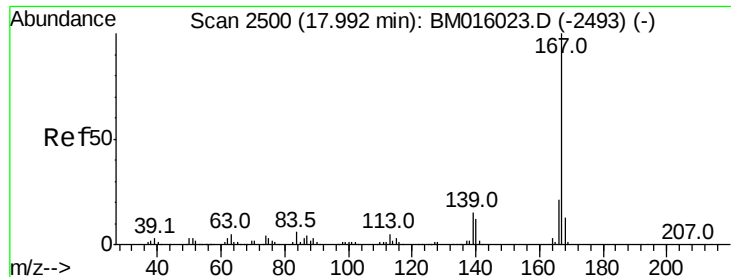
Tot Ion:178 Resp: 57448
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.9 12.1 18.1



#71
 Anthracene
 Concen: 1.314 ng
 RT: 17.64 min Scan# 2441
 Delta R.T. 0.00 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Tgt Ion:178 Resp: 19509
 Ion Ratio Lower Upper
 178 100
 176 16.1 14.6 22.0
 179 16.4 12.6 19.0





#72

Carbazole

Concen: 0.310 ng

RT: 17.92 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

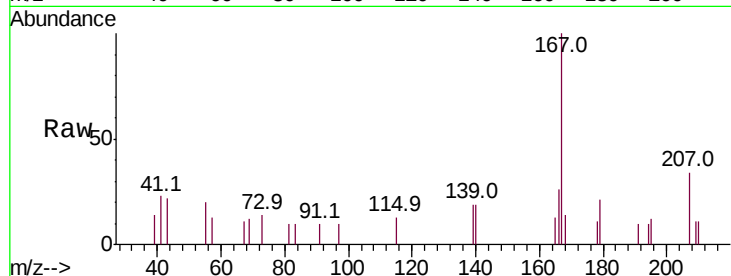
Tot Ion:167 Resp: 4768

Ion Ratio Lower Upper

167 100

166 25.6 17.2 25.8

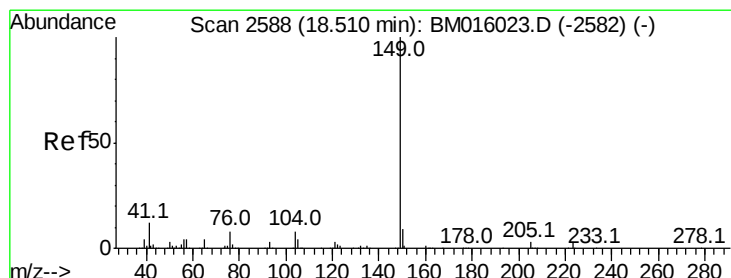
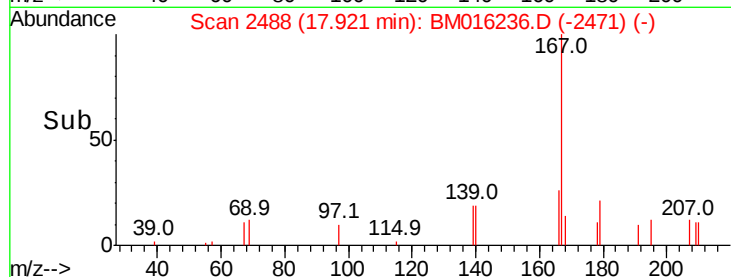
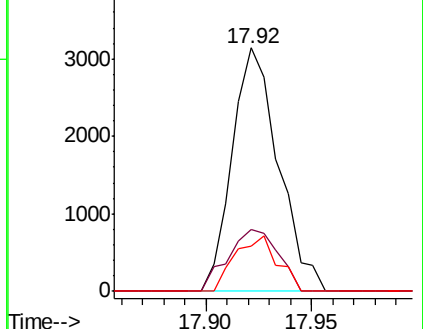
139 18.8 10.8 16.2#



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



#73

Di-n-butylphthalate

Concen: 0.085 ng

RT: 18.43 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

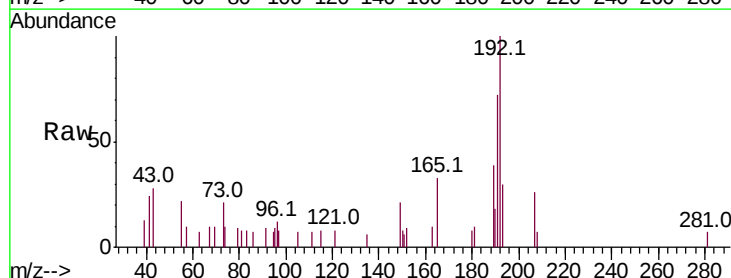
Tgt Ion:149 Resp: 1635

Ion Ratio Lower Upper

149 100

150 36.7 7.5 11.3#

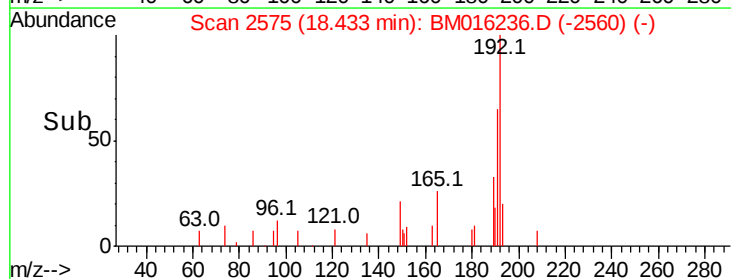
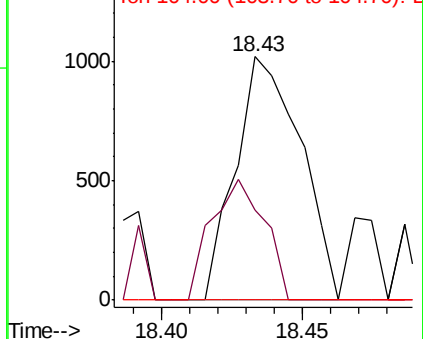
104 0.0 3.7 5.5#

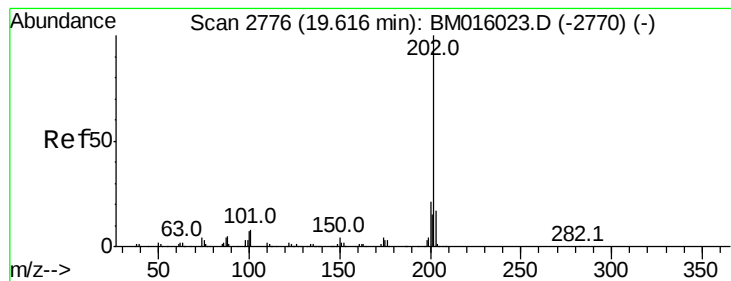


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 7.236 ng

RT: 19.54 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

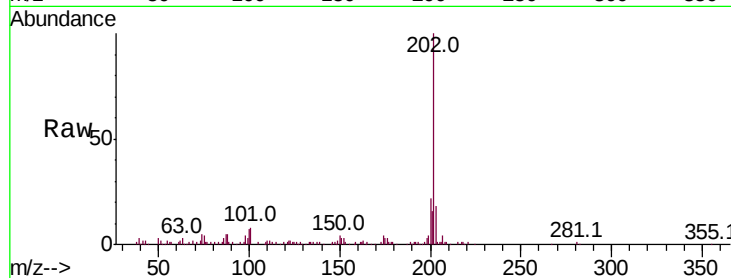
Tot Ion:202 Resp: 123286

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.7

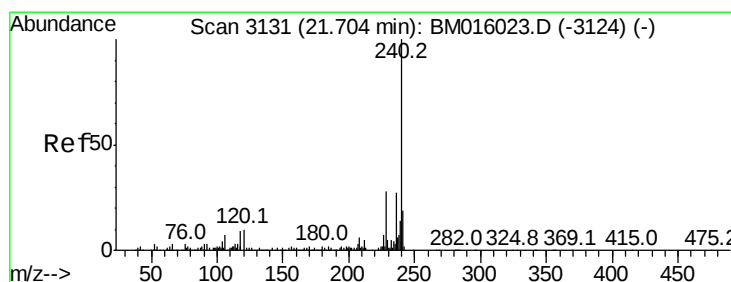
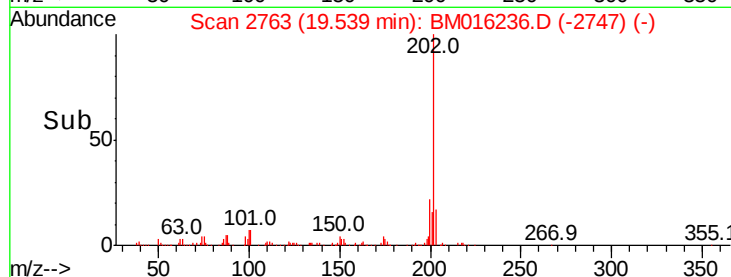
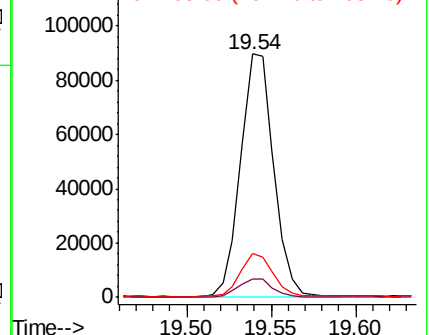
203 18.0 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

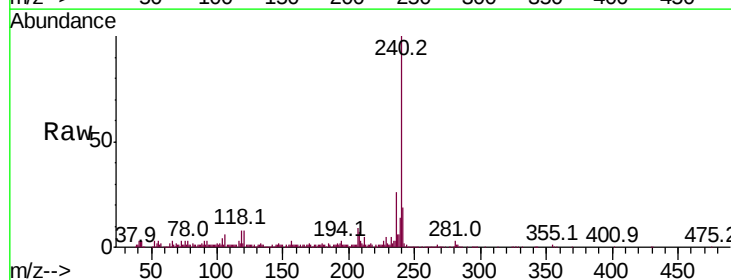
Tgt Ion:240 Resp: 315812

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

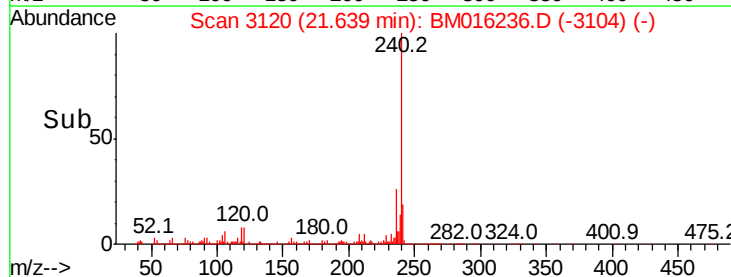
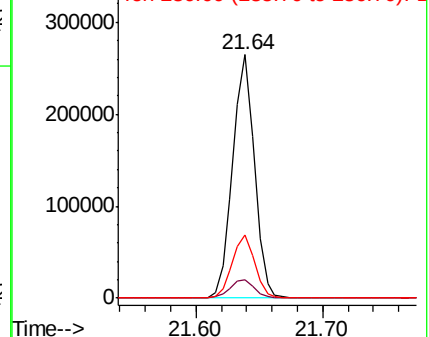
236 25.9 20.0 30.0

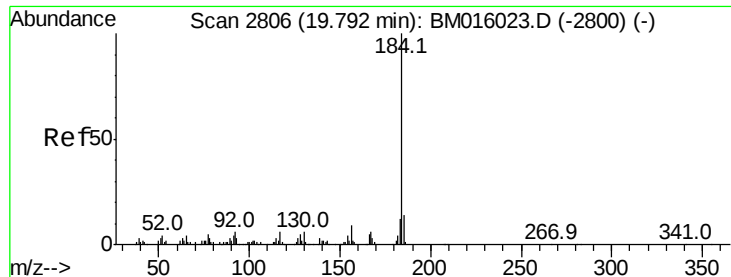


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

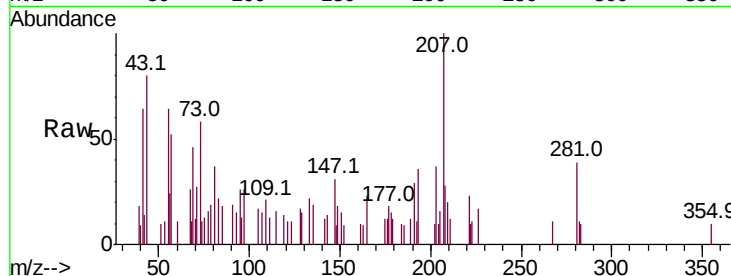




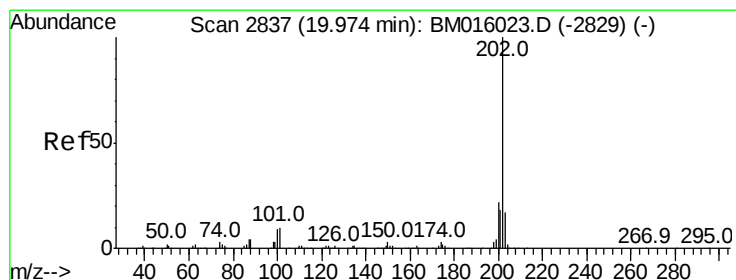
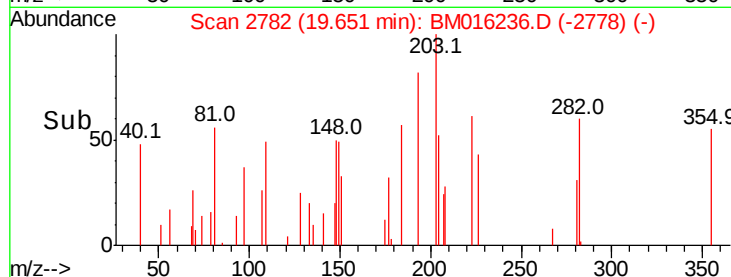
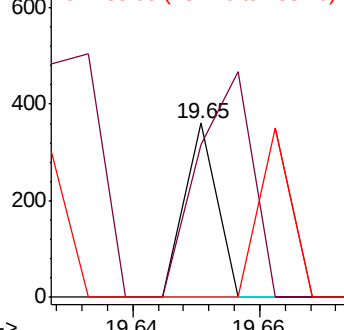
#76
Benzidine
Concen: 0.014 ng
RT: 19.65 min Scan# 2782
Delta R.T. -0.08 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampled :

Tot Ion:184 Resp: 127
Ion Ratio Lower Upper
184 100
185 87.5 11.3 16.9#
183 0.0 8.9 13.3#

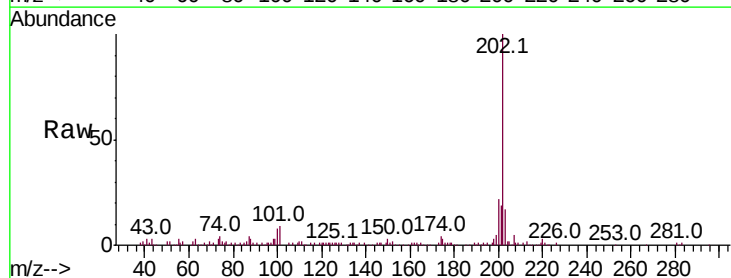


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

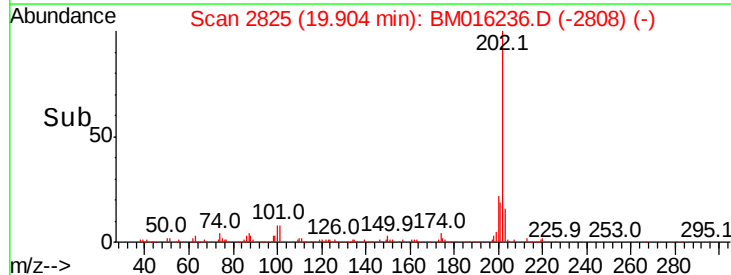
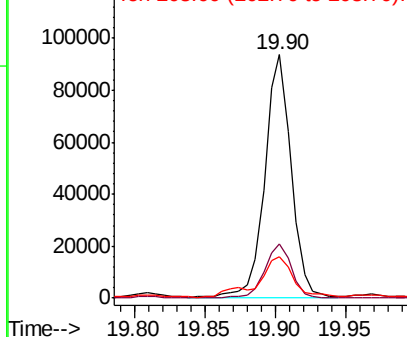


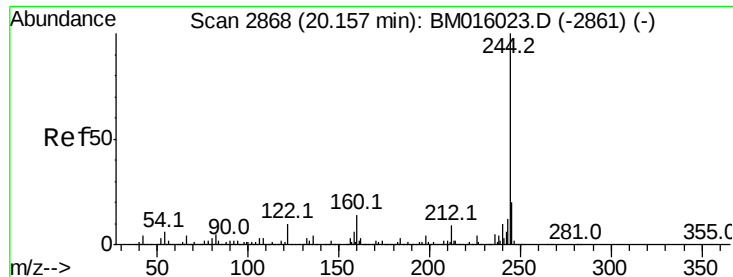
#77
Pyrene
Concen: 6.443 ng
RT: 19.90 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:202 Resp: 121940
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 17.2 14.1 21.1



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





#78

Terphenyl-d14

Concen: 6.443 ng

RT: 20.09 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

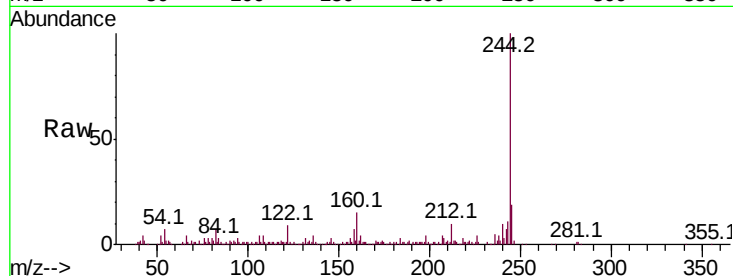
Tot Ion:244 Resp: 148011

Ion Ratio Lower Upper

244 100

212 9.7 4.9 7.3#

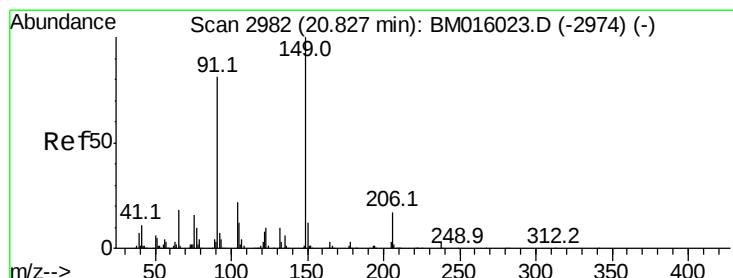
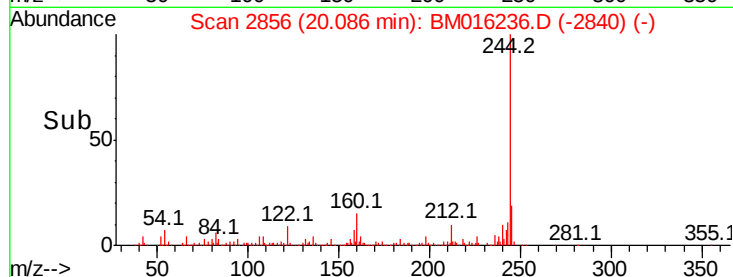
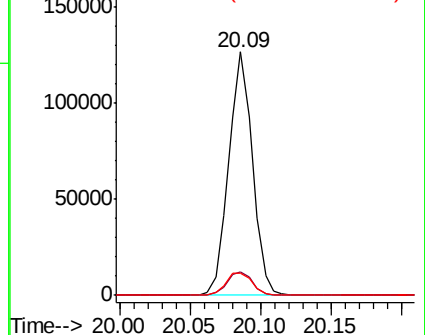
122 9.1 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.120 ng

RT: 20.75 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

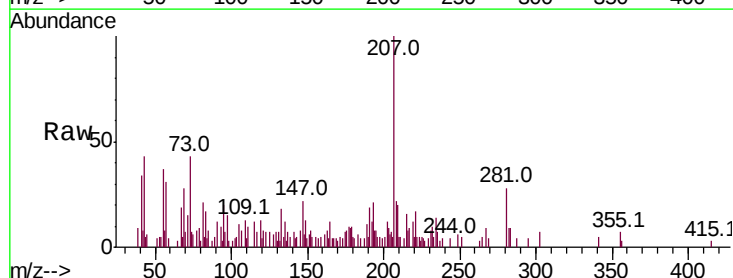
Tgt Ion:149 Resp: 1151

Ion Ratio Lower Upper

149 100

91 92.5 50.1 75.1#

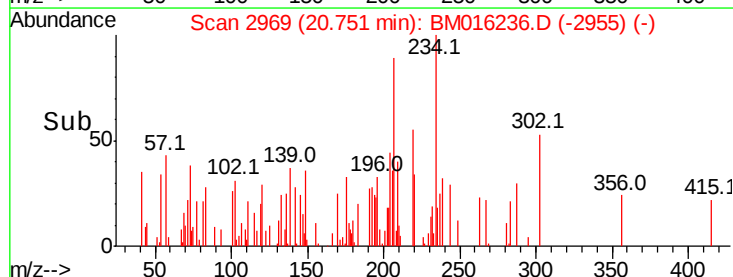
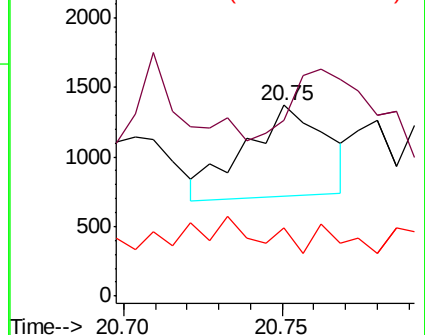
206 35.9 16.2 24.2#

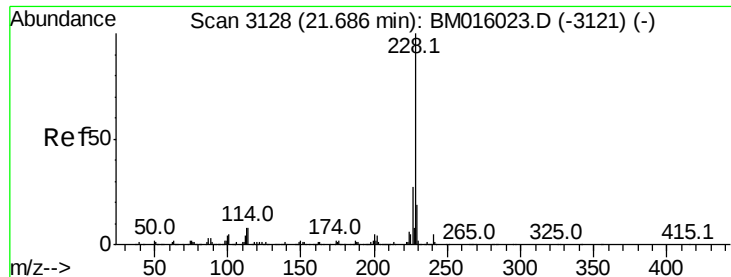


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

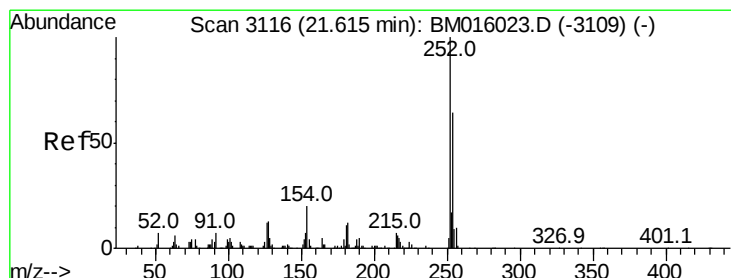
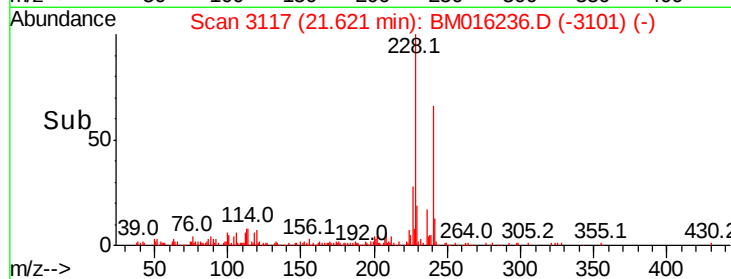
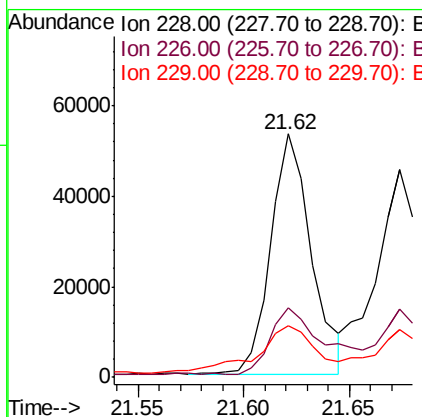
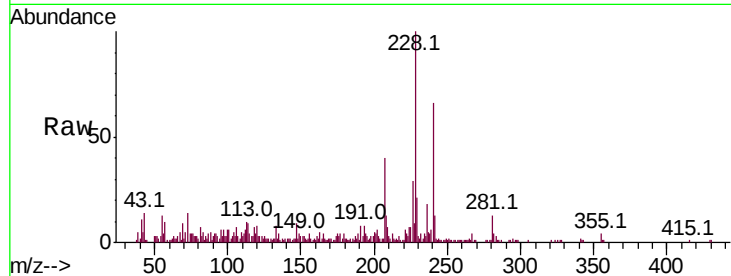




#80
Benzo(a)anthracene
Concen: 3.643 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

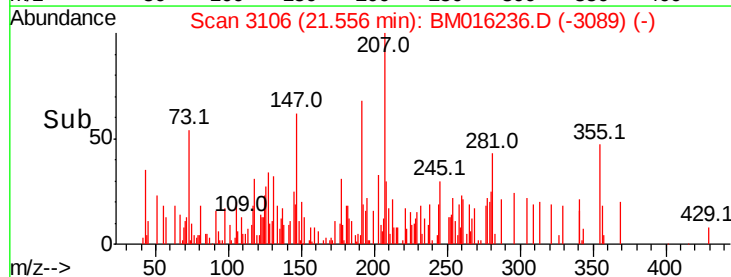
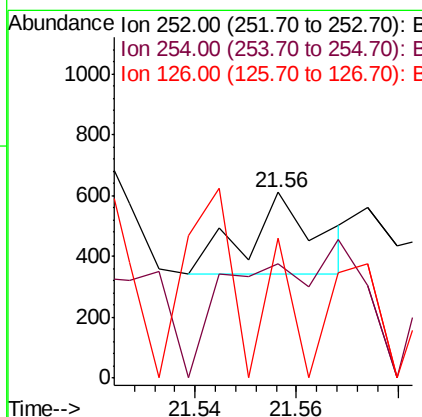
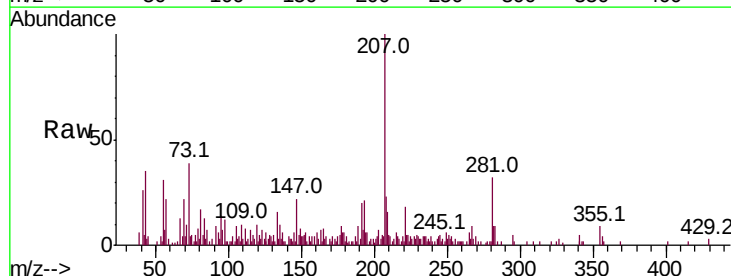
Instrument :
BNA_M
ClientSampleId :

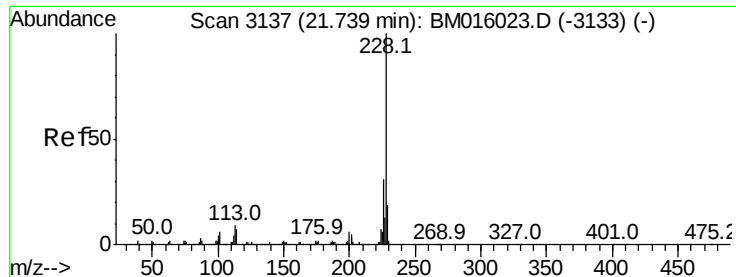
Tot Ion:228 Resp: 70865
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 21.2 16.0 24.0



#81
3,3'-Dichlorobenzidine
Concen: 0.033 ng
RT: 21.56 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:252 Resp: 259
Ion Ratio Lower Upper
252 100
254 61.5 51.9 77.9
126 75.6 9.8 14.8#

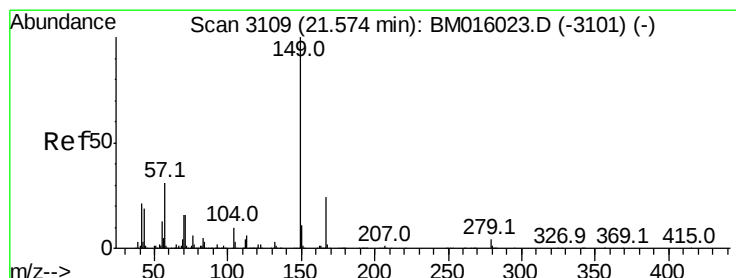
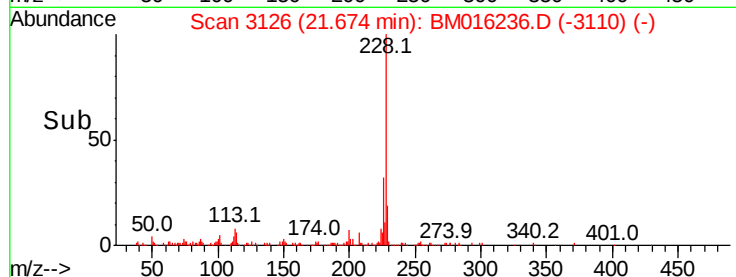
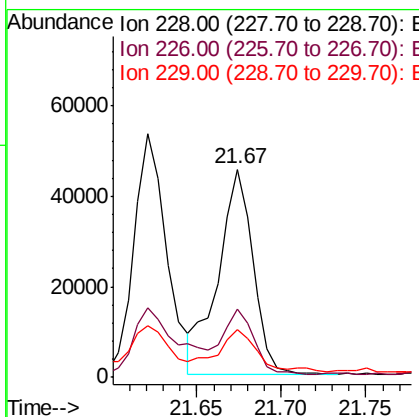
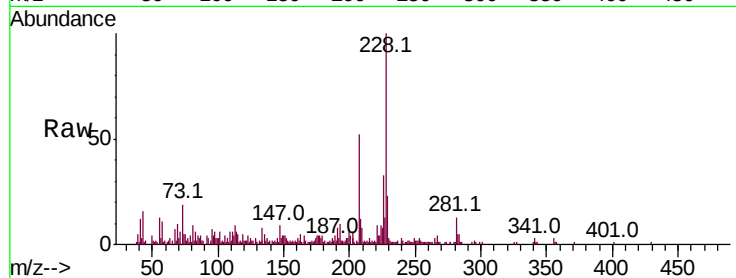




#82
 Chrysene
 Concen: 3.502 ng
 RT: 21.67 min Scan# 3126
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

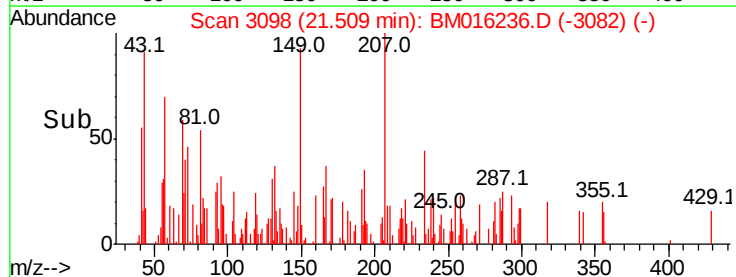
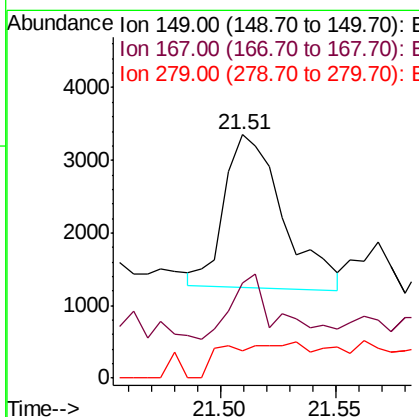
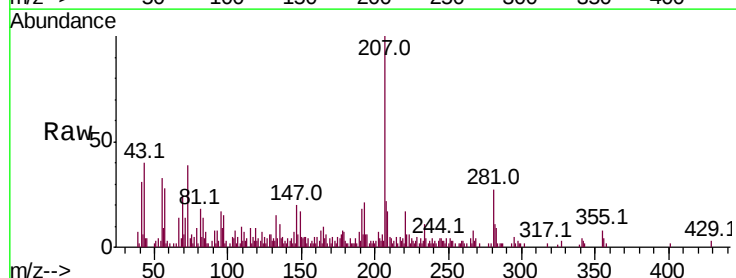
Instrument :
 BNA_M
 ClientSampleId :

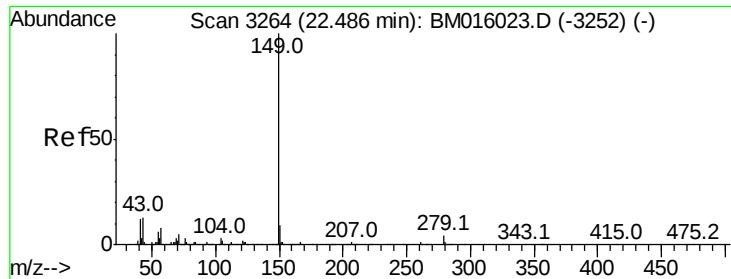
Tot Ion:228 Resp: 65349
 Ion Ratio Lower Upper
 228 100
 226 33.0 24.1 36.1
 229 23.0 15.5 23.3



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.270 ng
 RT: 21.51 min Scan# 3098
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Tgt Ion:149 Resp: 3761
 Ion Ratio Lower Upper
 149 100
 167 39.1 22.4 33.6#
 279 11.3 3.4 5.0#





#84

Di-n-octyl phthalate

Concen: 0.156 ng

RT: 22.41 min Scan# 3251

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampled :

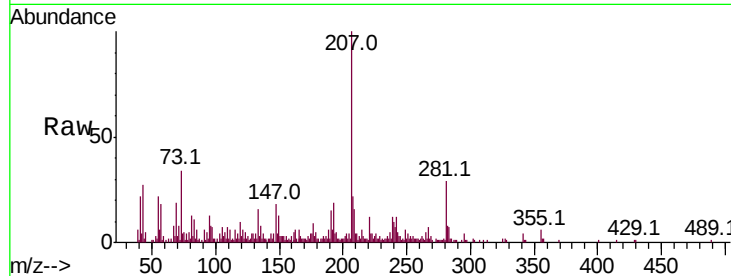
Tot Ion:149 Resp: 3661

Ion Ratio Lower Upper

149 100

167 4.9 1.2 1.8#

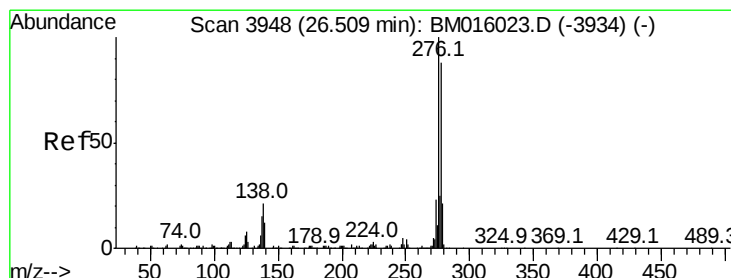
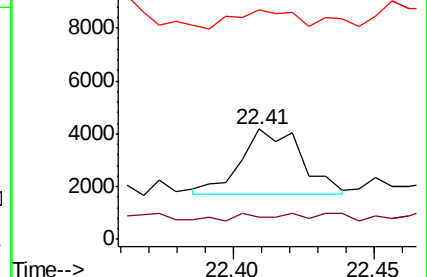
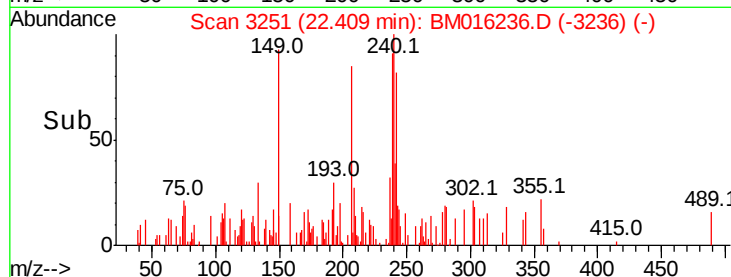
43 28.0 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.635 ng

RT: 26.36 min Scan# 3923

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

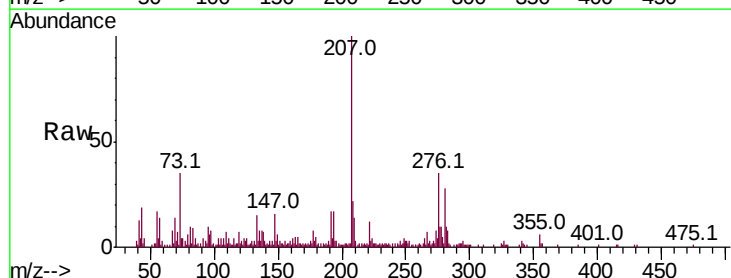
Tgt Ion:276 Resp: 36192

Ion Ratio Lower Upper

276 100

138 18.4 12.0 18.0#

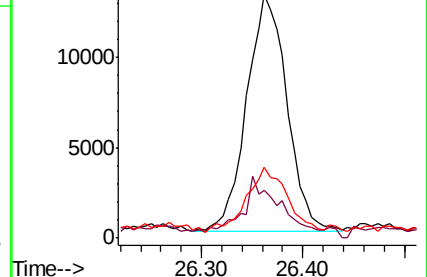
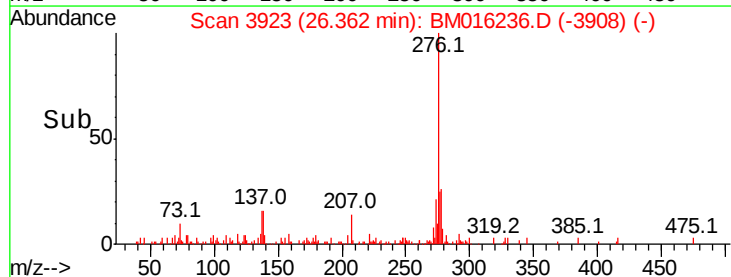
277 27.9 20.0 30.0

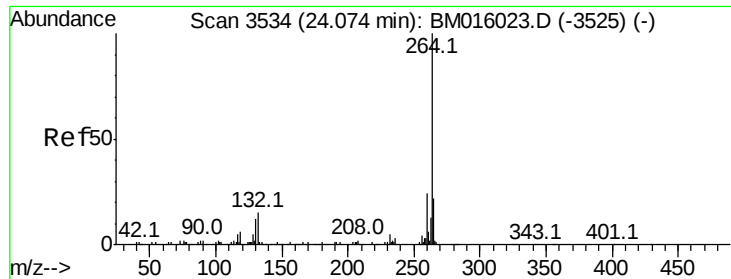


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.98 min Scan# 3518

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

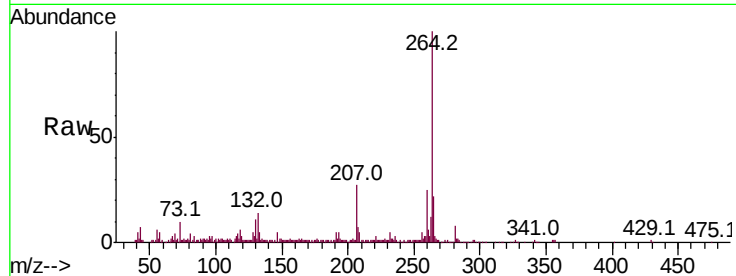
Tot Ion:264 Resp: 271314

Ion Ratio Lower Upper

264 100

260 24.8 18.6 27.8

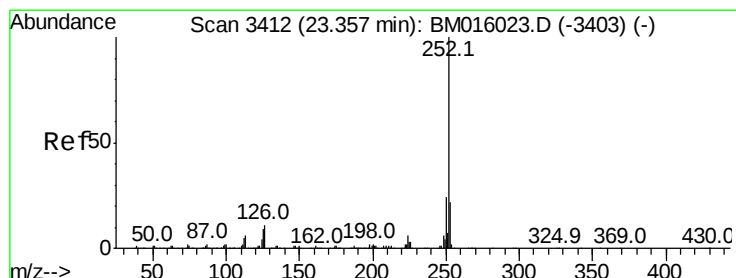
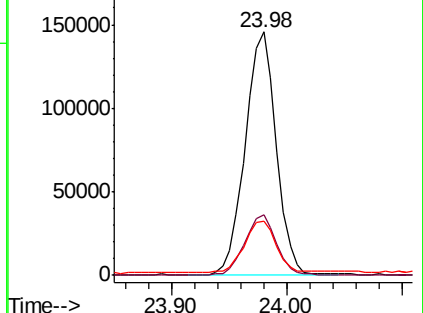
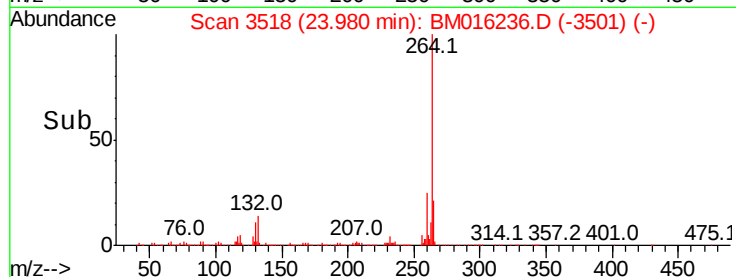
265 22.2 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 5.025 ng

RT: 23.27 min Scan# 3397

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

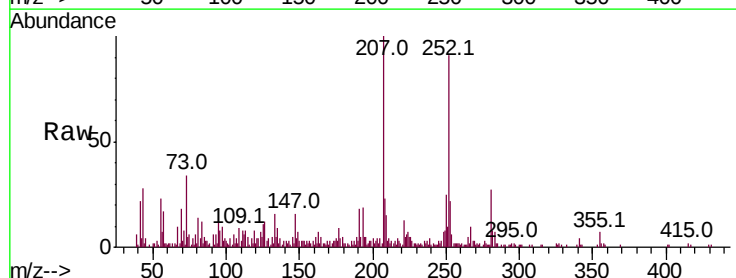
Tgt Ion:252 Resp: 80275

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

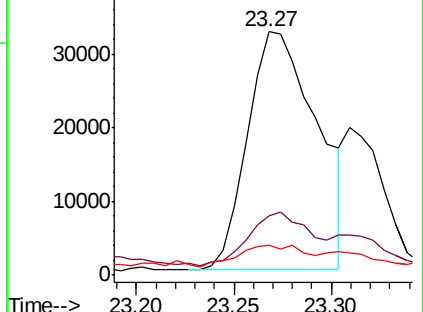
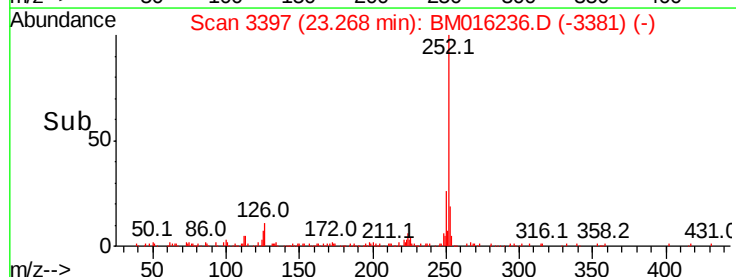
125 12.1 9.9 14.9

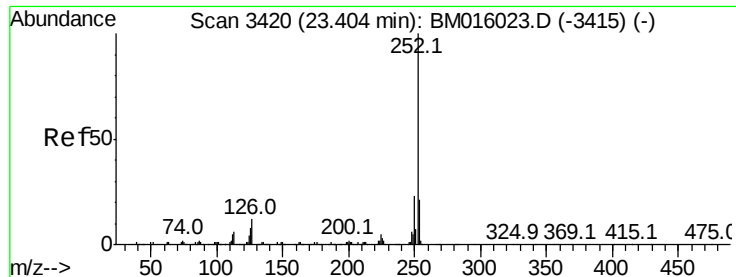


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.944 ng

RT: 23.27 min Scan# 3397

Delta R.T. -0.05 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

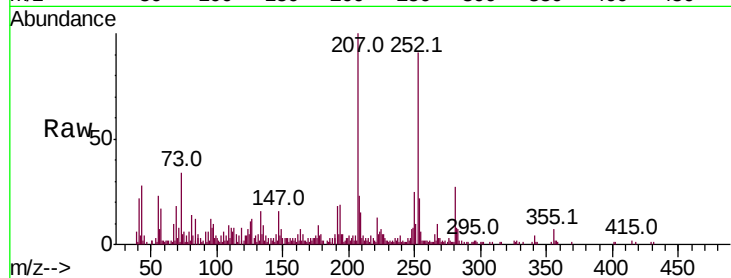
Tot Ion:252 Resp: 80035

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

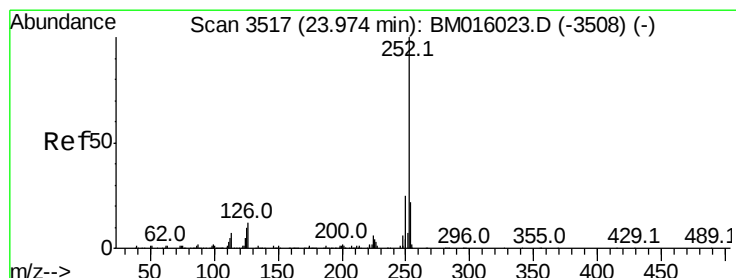
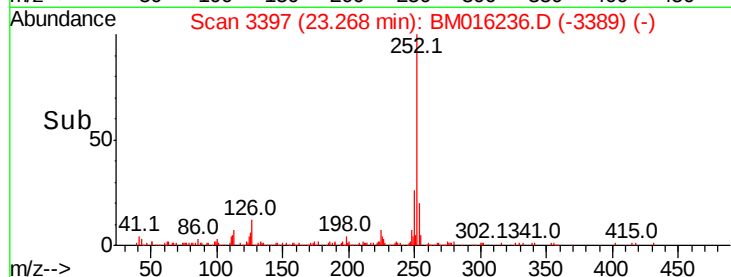
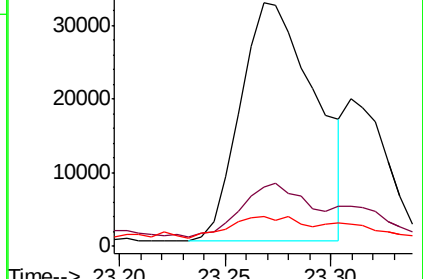
125 12.1 8.1 12.1



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(a)pyrene

Concen: 3.727 ng

RT: 23.87 min Scan# 3500

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

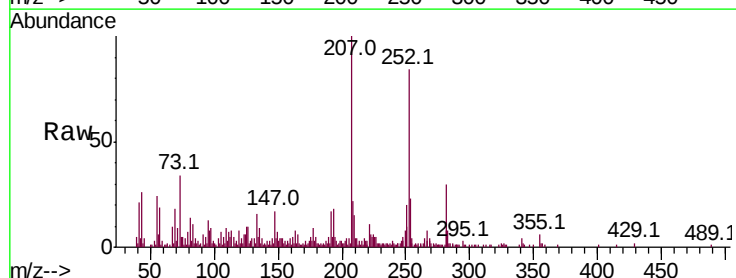
Tgt Ion:252 Resp: 57233

Ion Ratio Lower Upper

252 100

253 27.0 17.6 26.4#

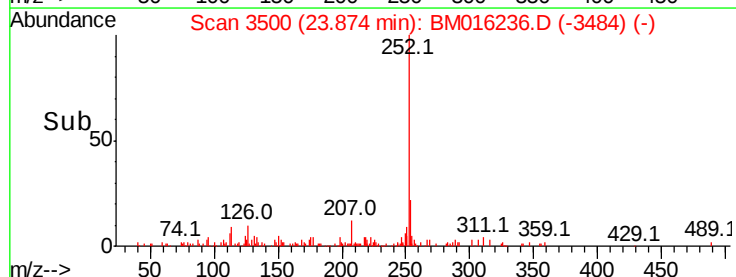
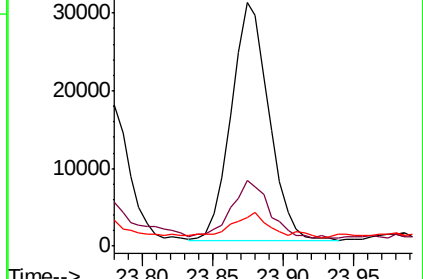
125 11.6 7.4 11.2#

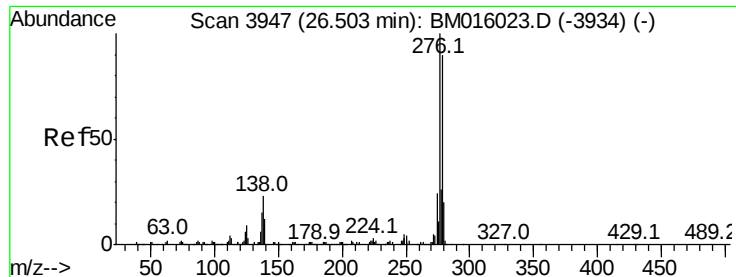


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.758 ng

RT: 26.36 min Scan# 3923

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

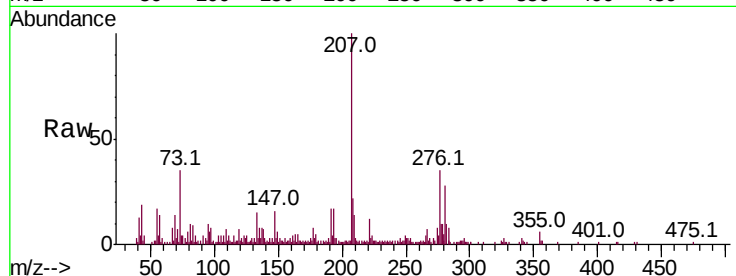
Tot Ion:278 Resp: 12065

Ion Ratio Lower Upper

278 100

139 30.0 13.4 20.0#

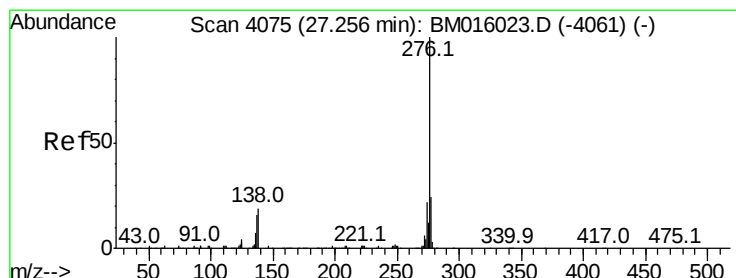
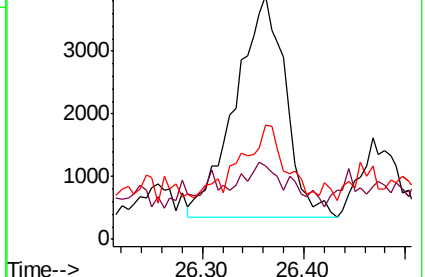
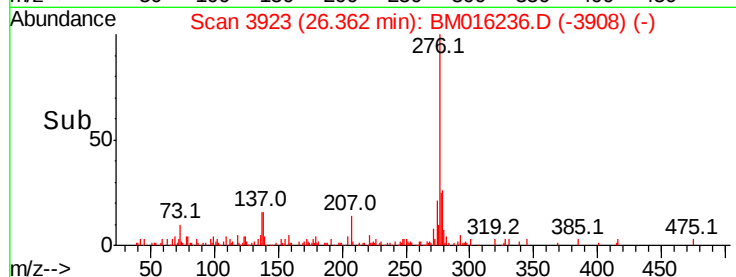
279 46.8 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.633 ng

RT: 27.10 min Scan# 4048

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

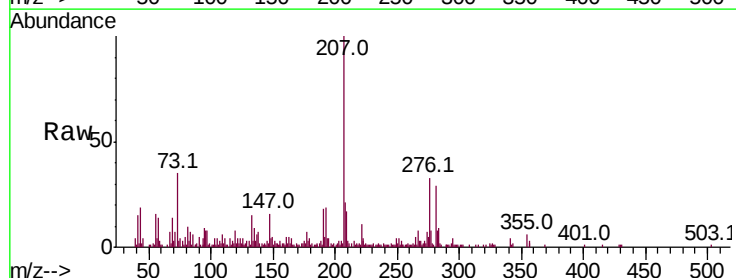
Tgt Ion:276 Resp: 39625

Ion Ratio Lower Upper

276 100

277 23.3 18.5 27.7

138 20.1 19.0 28.6



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

