

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM052318\
 Data File : BM015284.D
 Acq On : 23 May 2018 20:10
 Operator : SJ/JU
 Sample : PB109579BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB109579BL

Quant Time: May 24 02:15:32 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	269970	20.00	ng	0.00
21) Naphthalene-d8	11.24	136	1030480	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	557022	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	1160915	20.00	ng	0.00
75) Chrysene-d12	21.83	240	847214	20.00	ng	0.00
86) Perylene-d12	24.27	264	735074	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.89	112	1509768	91.50	ng	0.00
7) Phenol-d6	7.55	99	1951491	90.82	ng	0.00
23) Nitrobenzene-d5	9.59	82	1880172	99.95	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	686926	98.34	ng	0.00
44) 2-Fluorobiphenyl	13.64	172	4174086	93.15	ng	0.00
78) Terphenyl-d14	20.29	244	4736838	123.46	ng	0.00

Target Compounds

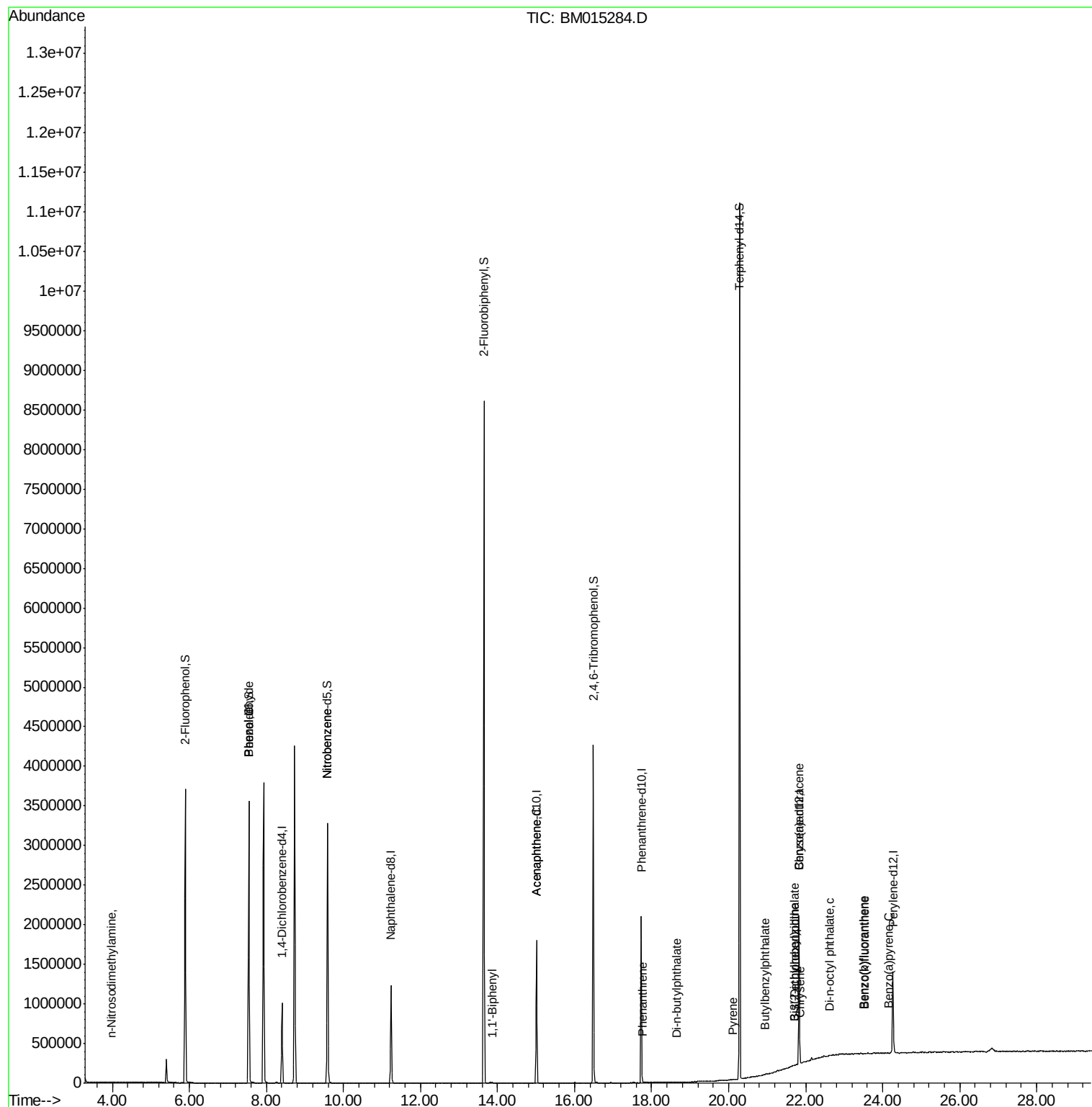
						Qvalue
4) n-Nitrosodimethylamine	3.98	42	226	0.024	ng	# 1
9) Benzaldehyde	7.55	77	3747	0.276	ng	# 2
10) Phenol	7.54	94	108	0.005	ng	# 1
24) Nitrobenzene	9.59	77	7065	0.361	ng	# 40
45) 1,1'-Biphenyl	13.86	154	5280	0.108	ng	# 99
51) Acenaphthene	15.02	154	1932	0.056	ng	# 5
70) Phenanthrene	17.77	178	153	0.002	ng	# 60
73) Di-n-butylphthalate	18.65	149	1491	0.022	ng	# 78
77) Pyrene	20.11	202	114	0.002	ng	# 57
79) Butylbenzylphthalate	20.95	149	1091	0.050	ng	# 77
80) Benzo(a)anthracene	21.83	228	2676	0.050	ng	# 66
81) 3,3'-Dichlorobenzidine	21.73	252	378	0.019	ng	# 26
82) Chrysene	21.87	228	445	0.009	ng	# 50
83) Bis(2-ethylhexyl)phthalate	21.70	149	1923	0.061	ng	# 52
84) Di-n-octyl phthalate	22.63	149	585	0.011	ng	# 1
87) Benzo(b)fluoranthene	23.51	252	116	0.002	ng	# 1
88) Benzo(k)fluoranthene	23.54	252	259	0.006	ng	# 1
89) Benzo(a)pyrene	24.15	252	233	0.005	ng	# 1

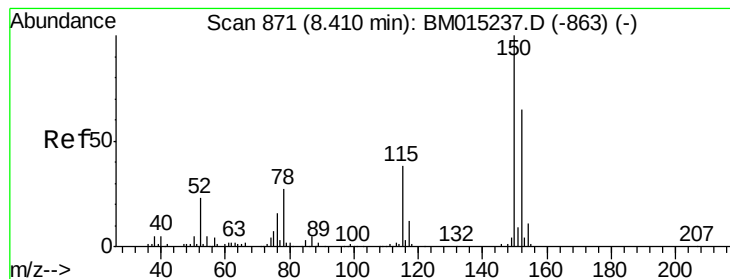
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.40 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

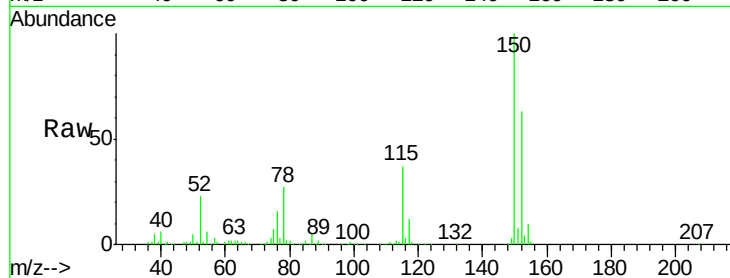
Tot Ion:152 Resp: 269970

Ion Ratio Lower Upper

152 100

150 158.1 119.5 179.3

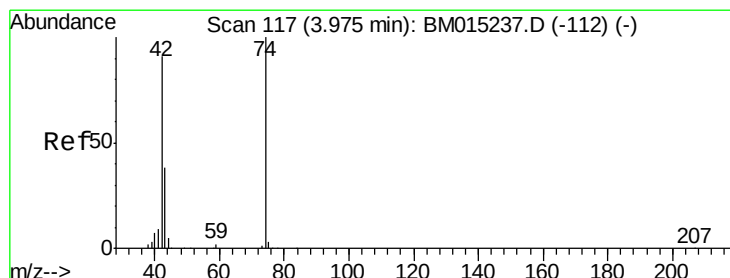
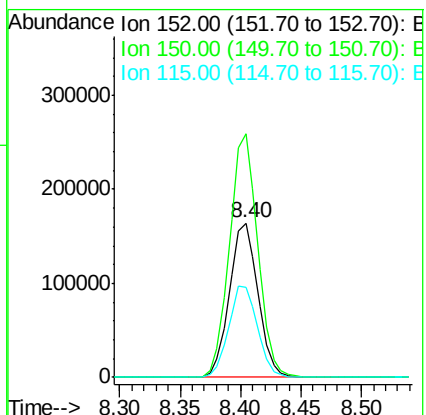
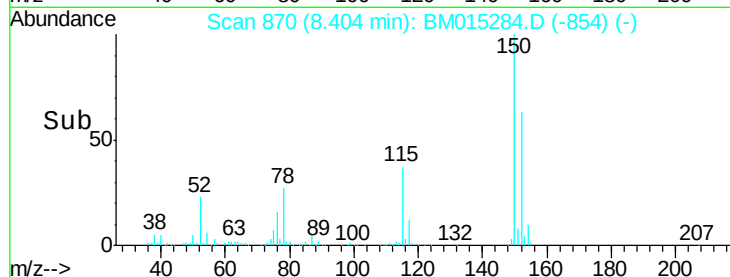
115 58.6 43.0 64.4



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



#4

n-Nitrosodimethylamine

Concen: 0.024 ng

RT: 3.98 min Scan# 118

Delta R.T. 0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

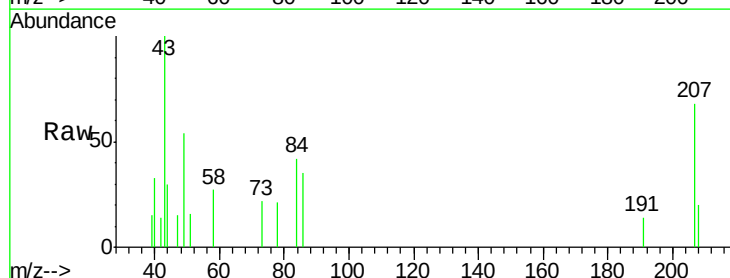
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

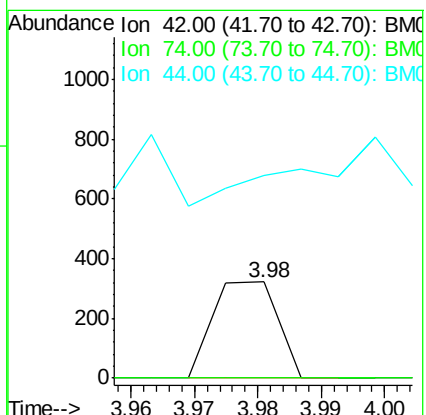
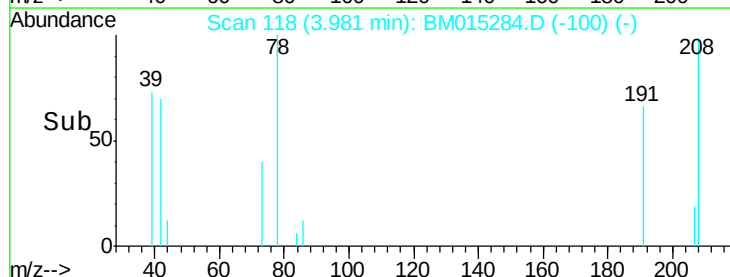
44 211.2 5.4 8.2#

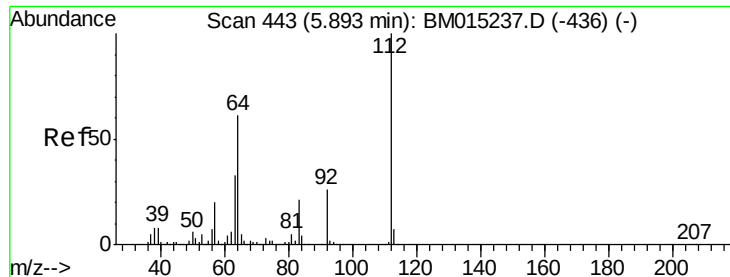


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 91.495 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

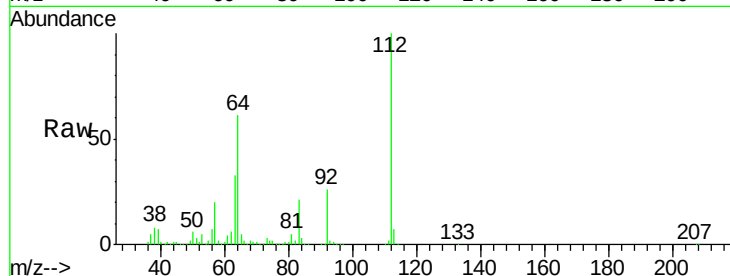
Tot Ion:112 Resp: 1509768

Ion Ratio Lower Upper

112 100

64 61.3 38.6 57.8#

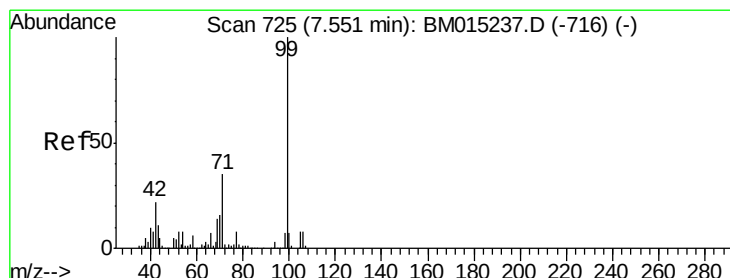
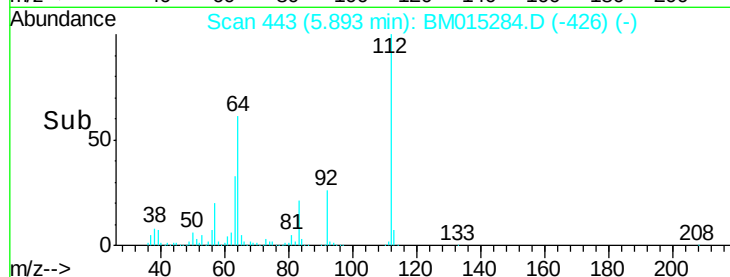
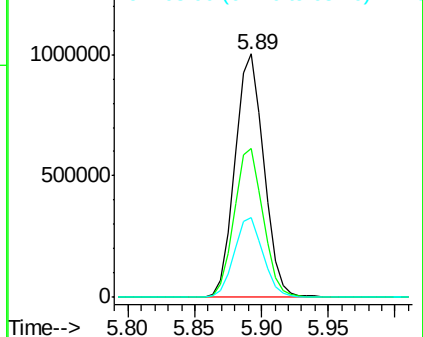
63 33.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 90.819 ng

RT: 7.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

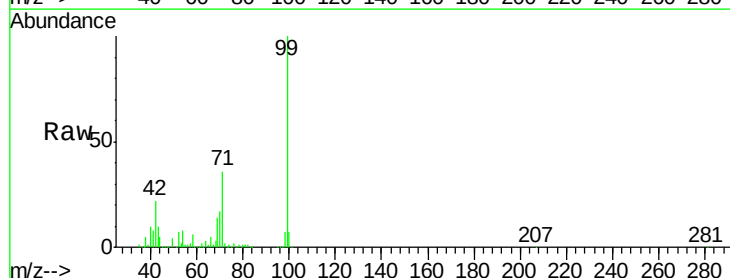
Tgt Ion: 99 Resp: 1951491

Ion Ratio Lower Upper

99 100

42 22.3 11.0 16.4#

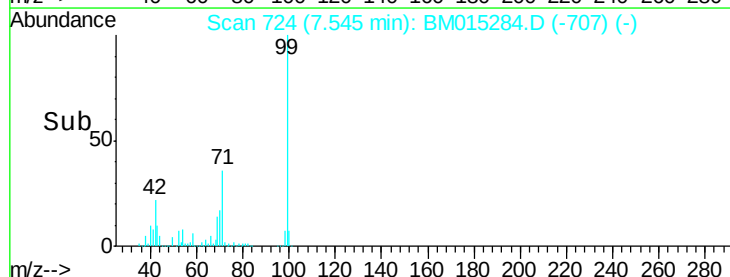
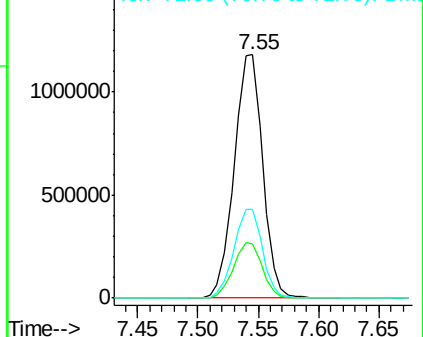
71 36.2 23.4 35.2#

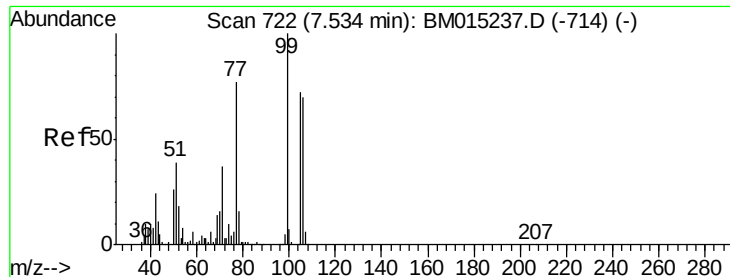


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#9

Benzaldehyde

Concen: 0.276 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

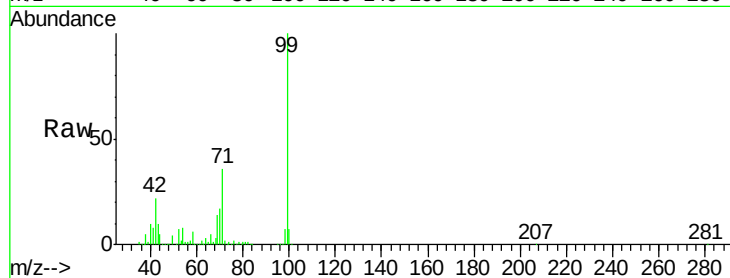
Tot Ion: 77 Resp: 3747

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

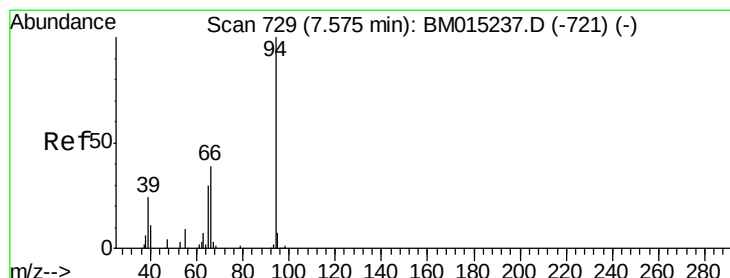
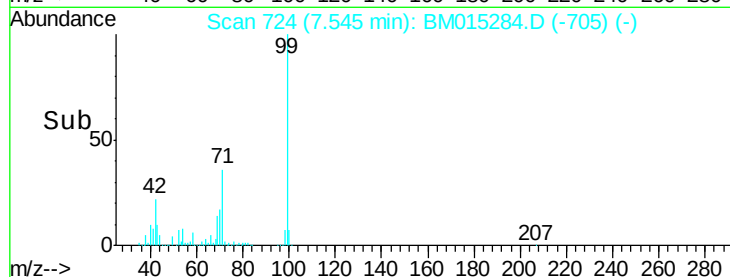
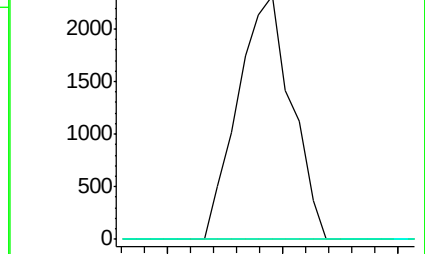
106 0.0 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM015237.D (-714) (-)

Ion 105.00 (104.70 to 105.70): BM015237.D (-714) (-)

Ion 106.00 (105.70 to 106.70): BM015237.D (-714) (-)



#10

Phenol

Concen: 0.005 ng

RT: 7.54 min Scan# 723

Delta R.T. -0.04 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

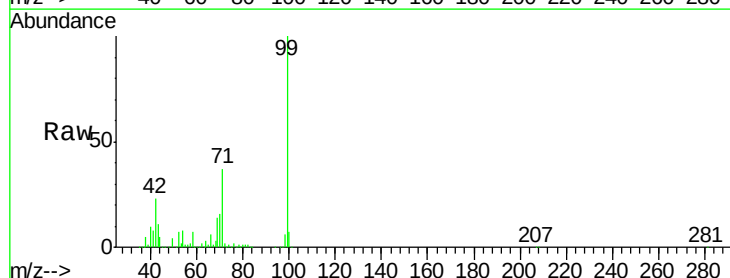
Tgt Ion: 94 Resp: 108

Ion Ratio Lower Upper

94 100

65 3954.7 18.8 58.8#

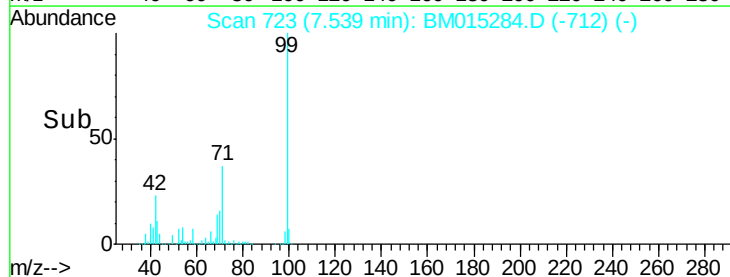
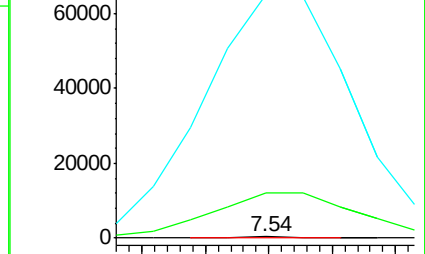
66 21206.5 39.9 79.9#

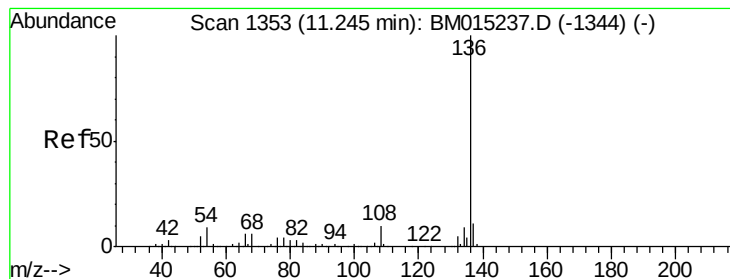


Abundance Ion 94.00 (93.70 to 94.70): BM015237.D (-721) (-)

Ion 65.00 (64.70 to 65.70): BM015237.D (-721) (-)

Ion 66.00 (65.70 to 66.70): BM015237.D (-721) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.24 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

Tot Ion:136 Resp: 1030480

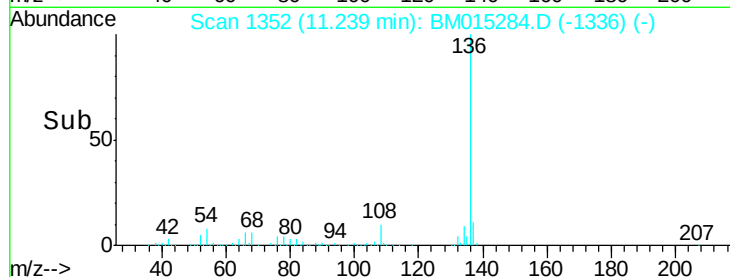
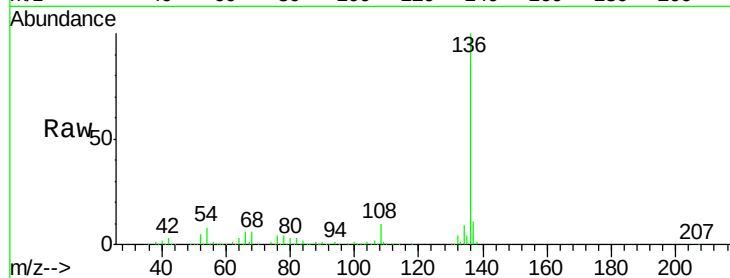
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.4 4.6 6.8#

68 6.0 3.7 5.5#

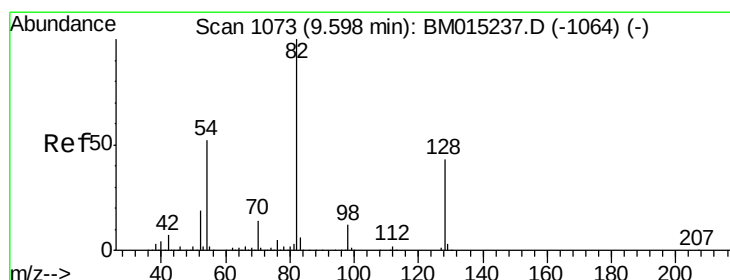
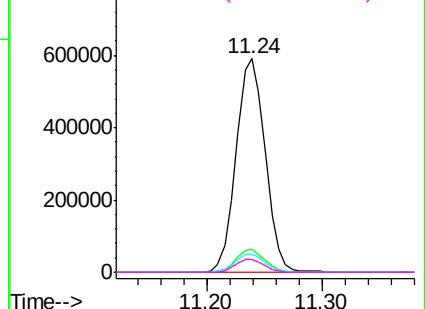


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.950 ng

RT: 9.59 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

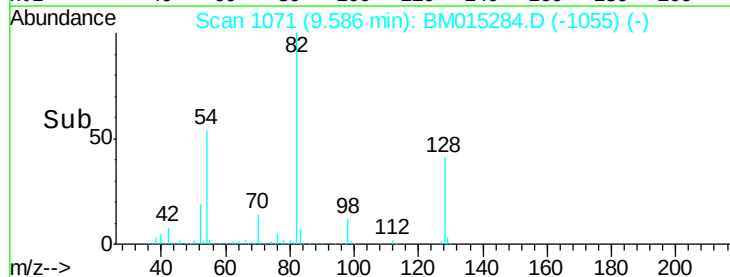
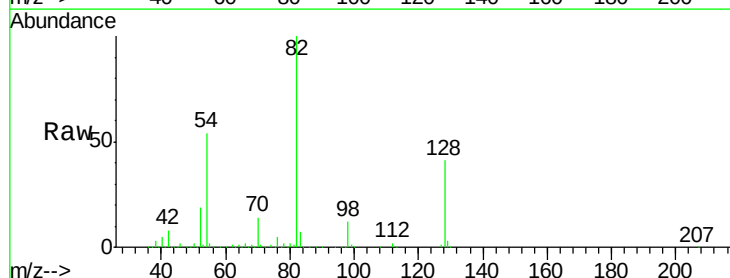
Tgt Ion: 82 Resp: 1880172

Ion Ratio Lower Upper

82 100

128 41.2 32.8 49.2

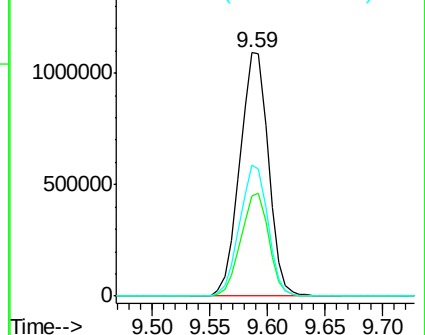
54 54.0 40.6 60.8

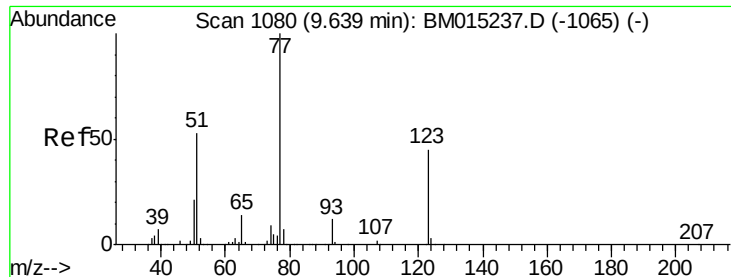


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#24

Nitrobenzene

Concen: 0.361 ng

RT: 9.59 min Scan# 1071

Delta R.T. -0.05 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleID :

PB109579BL

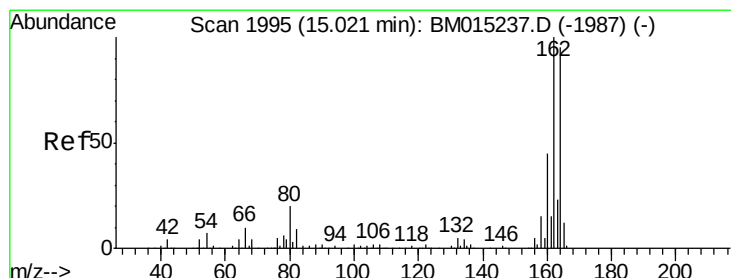
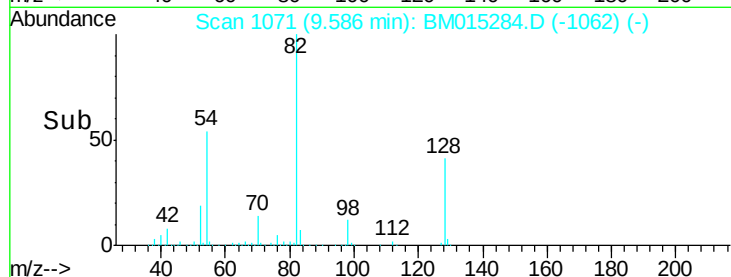
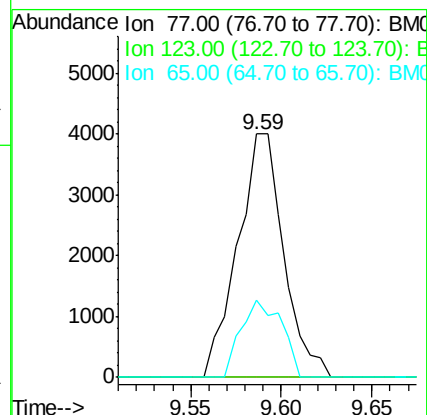
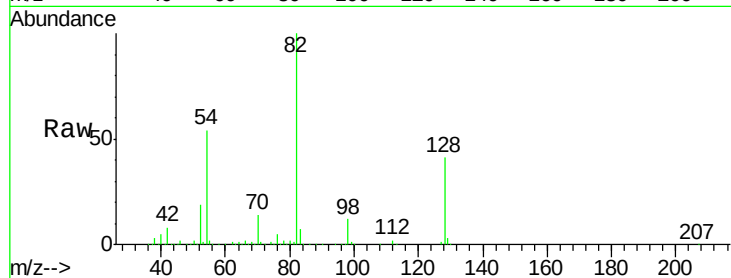
Tot Ion: 77 Resp: 7065

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

65 31.9 10.9 16.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.02 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

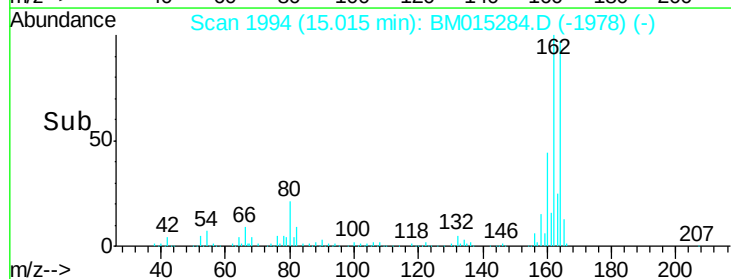
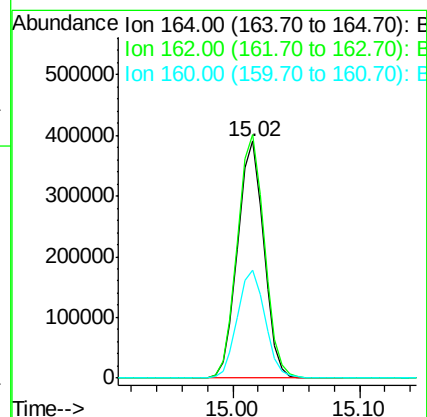
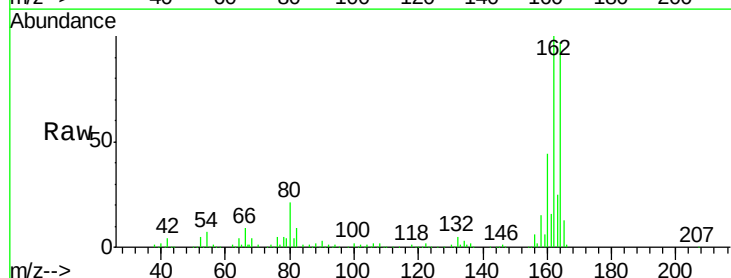
Tgt Ion: 164 Resp: 557022

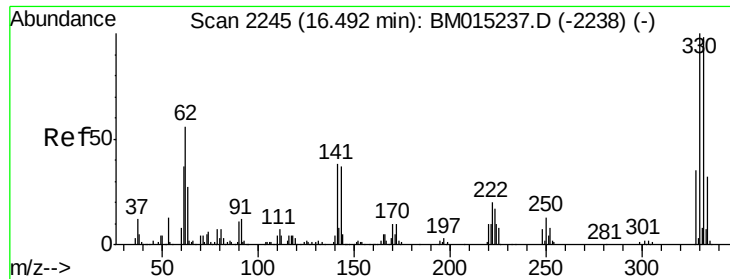
Ion Ratio Lower Upper

164 100

162 102.9 82.4 123.6

160 45.6 35.8 53.6

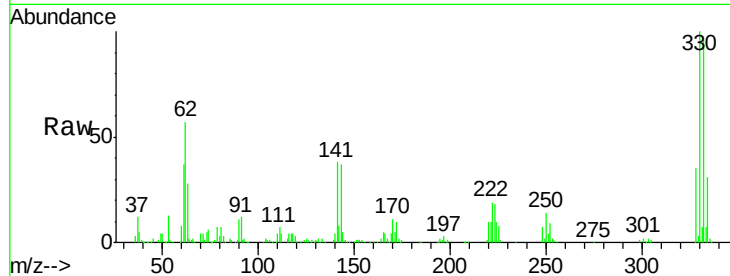




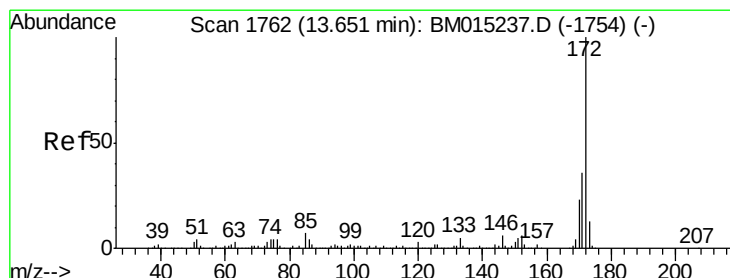
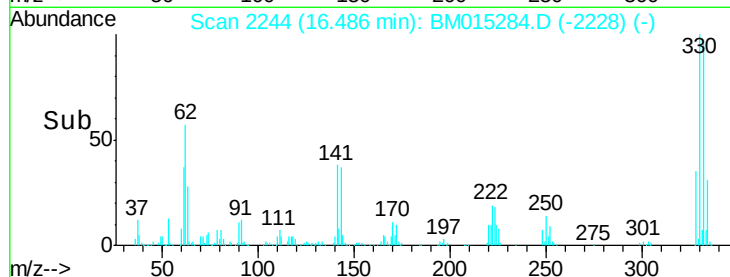
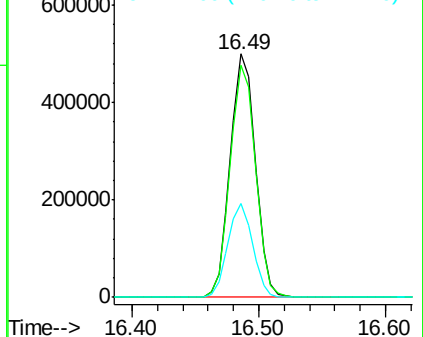
#41
 2,4,6-Tribromophenol
 Concen: 98.345 ng
 RT: 16.49 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

Instrument :
 BNA_M
 ClientSampleId :
 PB109579BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	38.2	0.0	0.0#

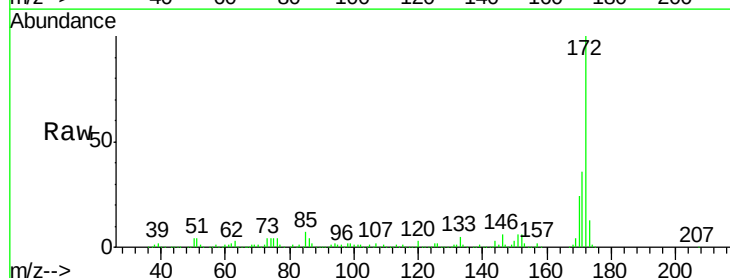


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

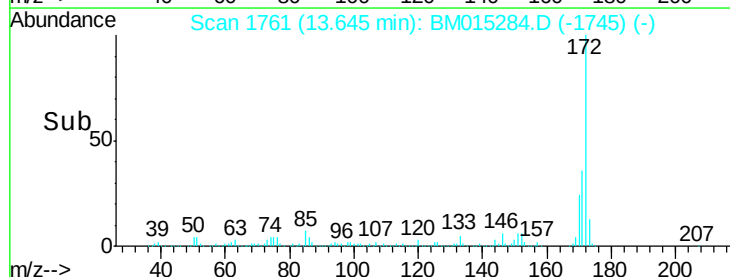
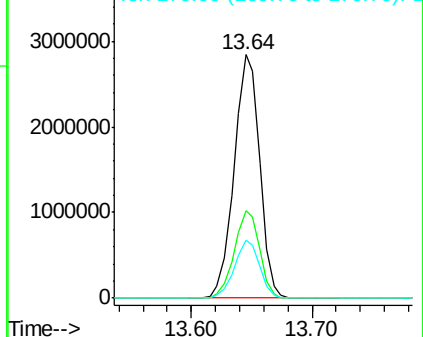


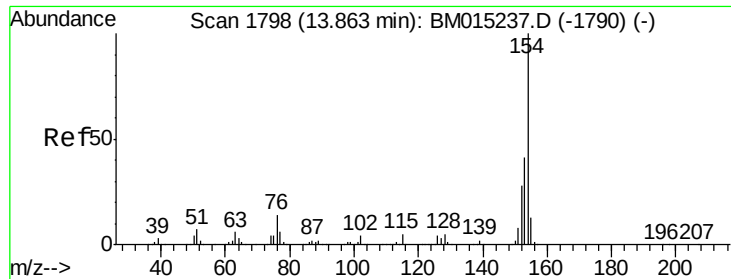
#44
 2-Fluorobiphenyl
 Concen: 93.155 ng
 RT: 13.64 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	23.7	18.8	28.2



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

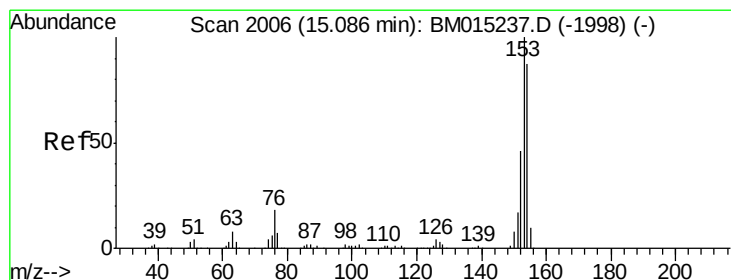
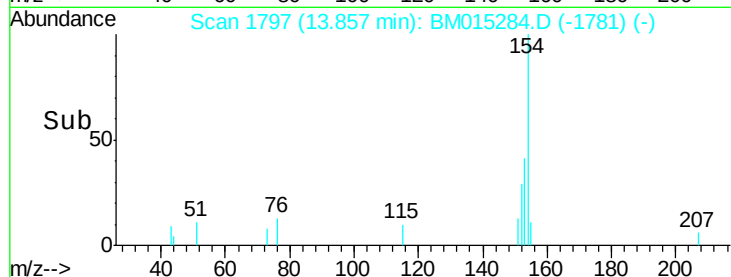
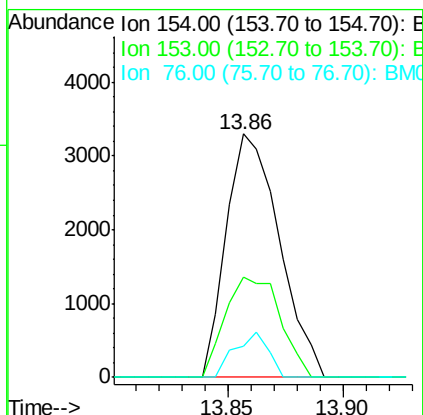
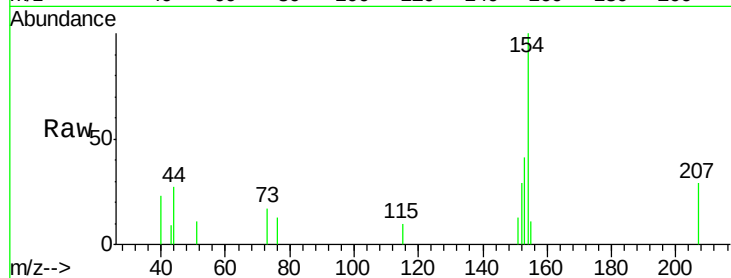




#45
1,1'-Biphenyl
Concen: 0.108 ng
RT: 13.86 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

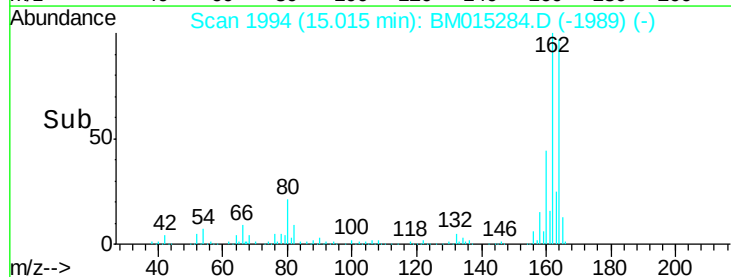
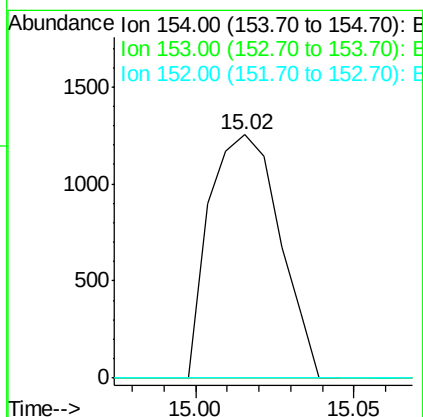
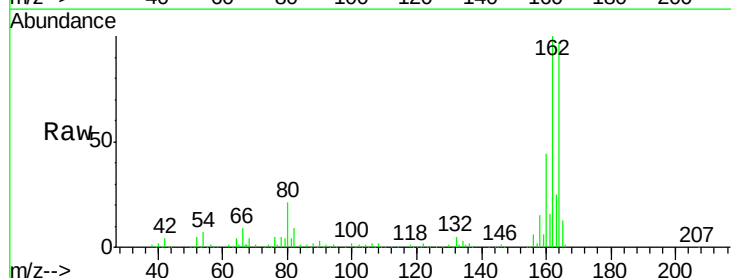
Instrument :
BNA_M
ClientSampleId :
PB109579BL

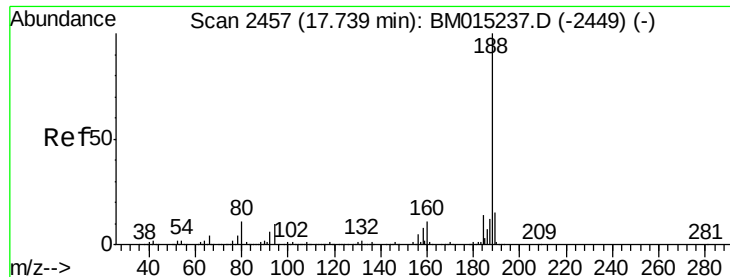
Tot Ion:154	Resp:	5280
Ion	Ratio	Lower Upper
154	100	
153	41.2	20.7 60.7
76	12.5	0.0 30.9



#51
Acenaphthene
Concen: 0.056 ng
RT: 15.02 min Scan# 1994
Delta R.T. -0.07 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

Tgt Ion:154	Resp:	1932
Ion	Ratio	Lower Upper
154	100	
153	0.0	90.0 135.0#
152	0.0	42.6 63.8#

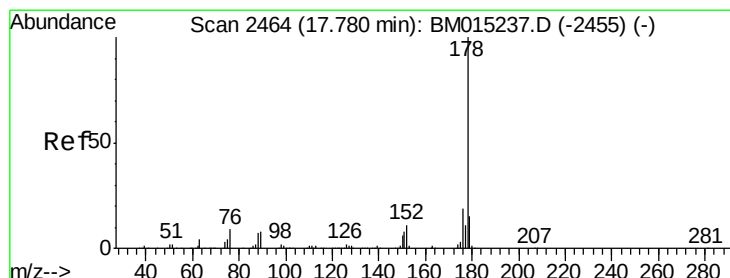
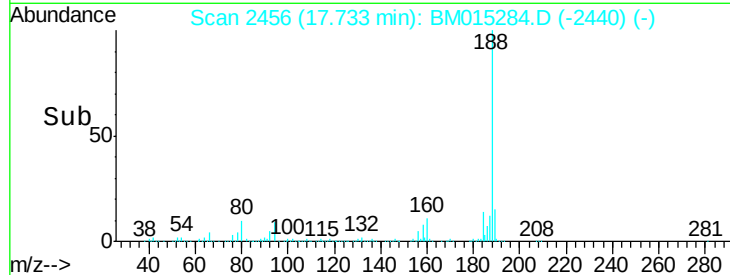
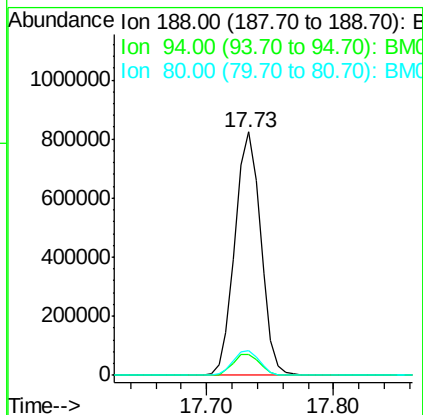
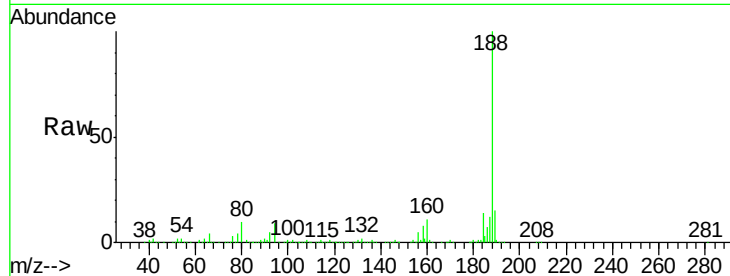




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

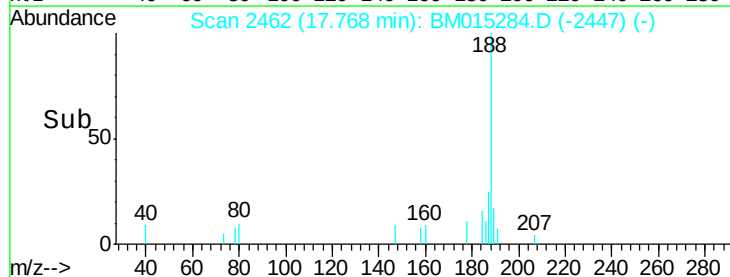
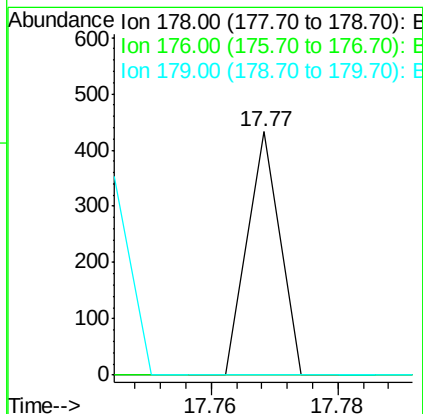
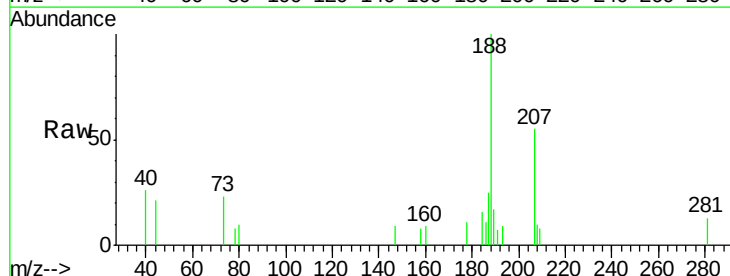
Instrument :
BNA_M
ClientSampleID :
PB109579BL

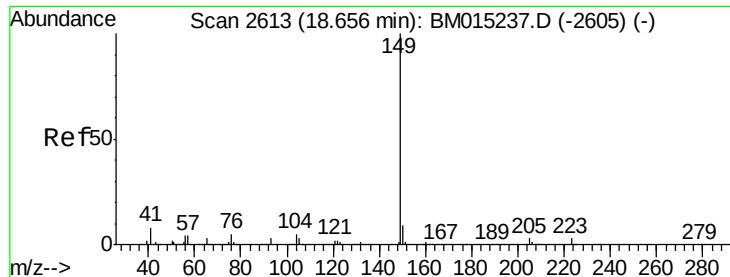
Tot Ion:188 Resp: 1160915
Ion Ratio Lower Upper
188 100
94 8.8 8.7 13.1
80 10.3 9.3 13.9



#70
Phenanthrene
Concen: 0.002 ng
RT: 17.77 min Scan# 2462
Delta R.T. -0.01 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

Tgt Ion:178 Resp: 153
Ion Ratio Lower Upper
178 100
176 0.0 15.2 22.8#
179 0.0 12.1 18.1#





#73

Di-n-butylphthalate

Concen: 0.022 ng

RT: 18.65 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

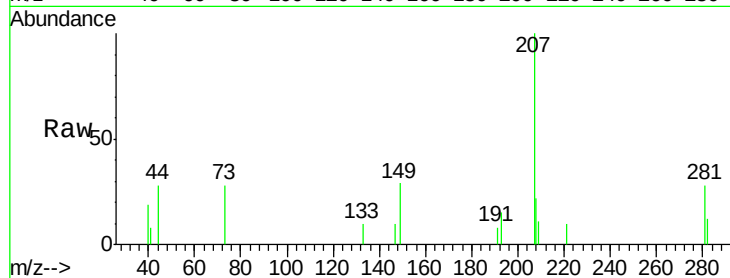
Tot Ion:149 Resp: 1491

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

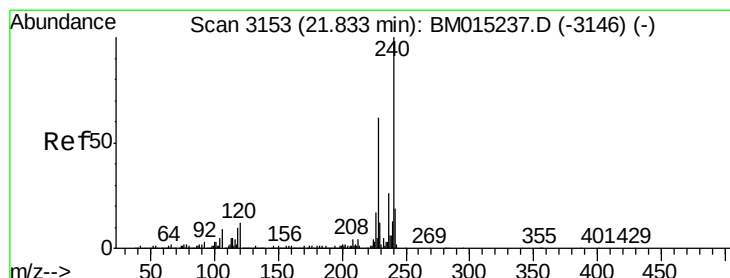
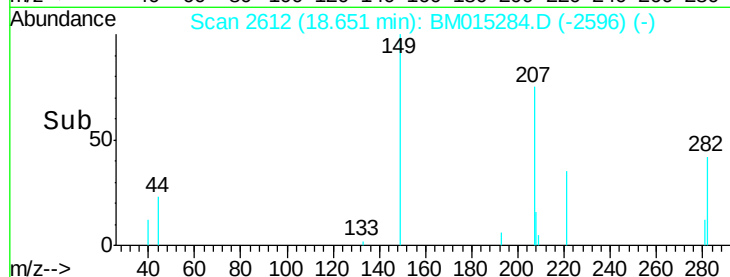
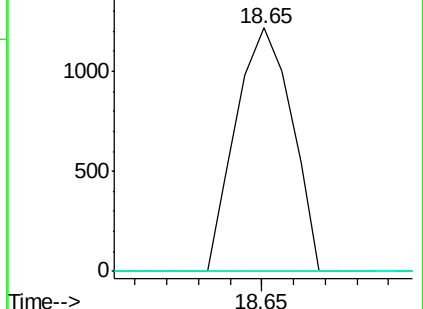
104 0.0 3.7 5.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

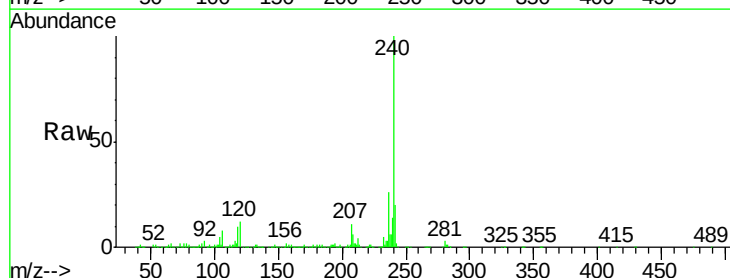
Tgt Ion:240 Resp: 847214

Ion Ratio Lower Upper

240 100

120 11.7 8.2 12.2

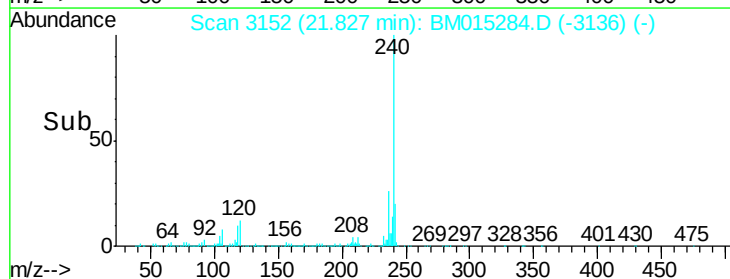
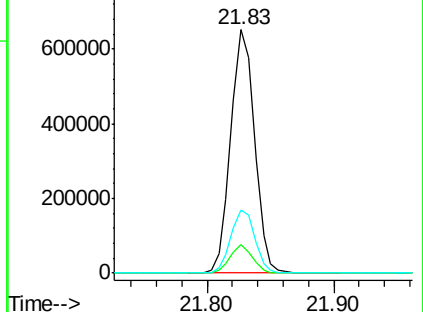
236 26.1 20.0 30.0

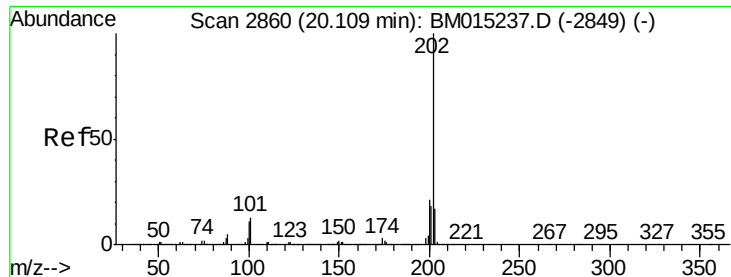


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.002 ng

RT: 20.11 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

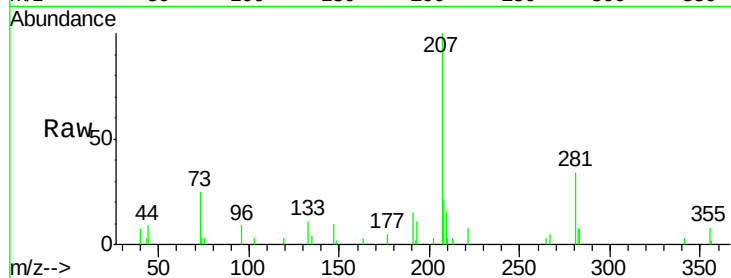
Tot Ion:202 Resp: 114

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

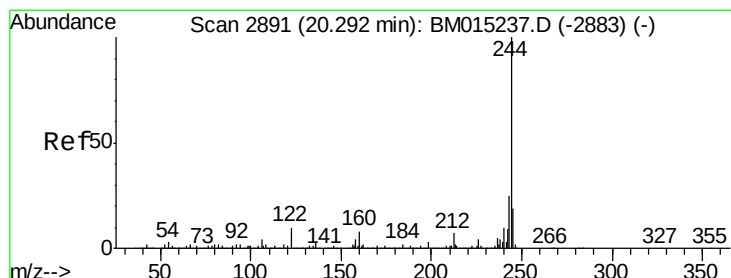
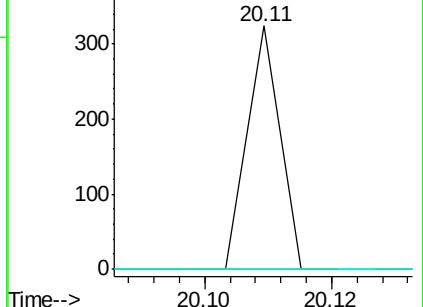
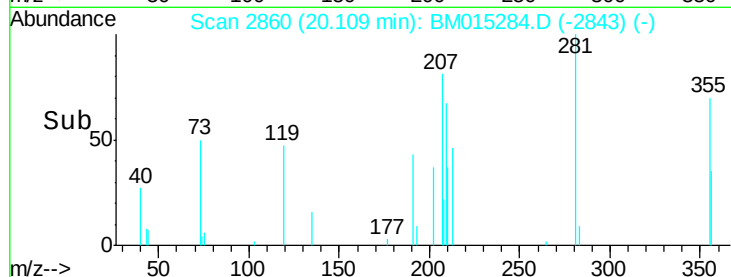
203 0.0 14.1 21.1#



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: 123.463 ng

RT: 20.29 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

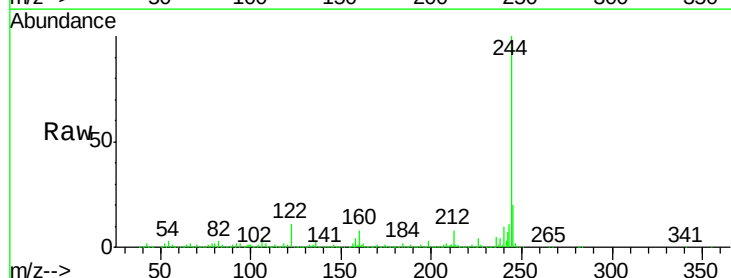
Tgt Ion:244 Resp: 4736838

Ion Ratio Lower Upper

244 100

212 7.5 4.9 7.3#

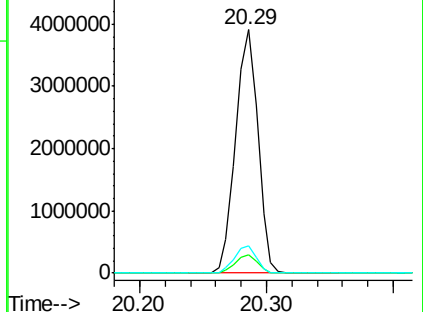
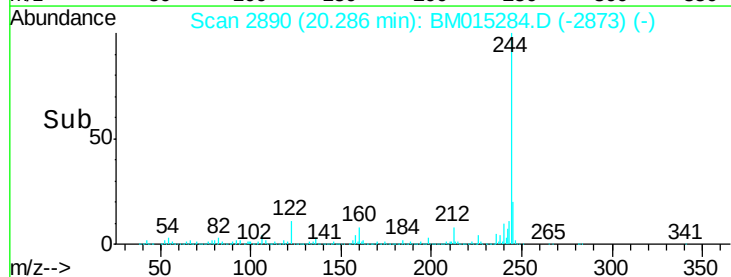
122 11.0 6.2 9.4#

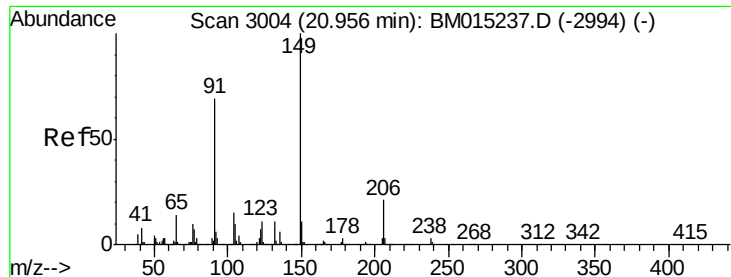


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.050 ng

RT: 20.95 min Scan# 3003

Delta R.T. -0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

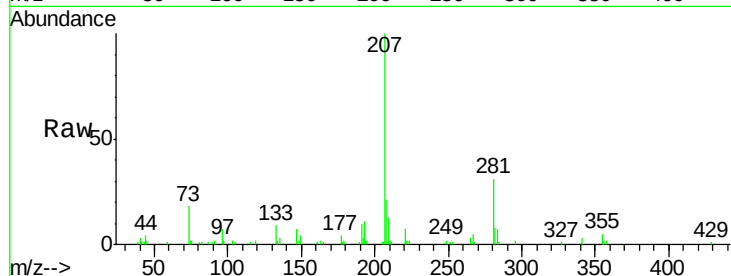
Tot Ion:149 Resp: 1091

Ion Ratio Lower Upper

149 100

91 47.5 50.1 75.1#

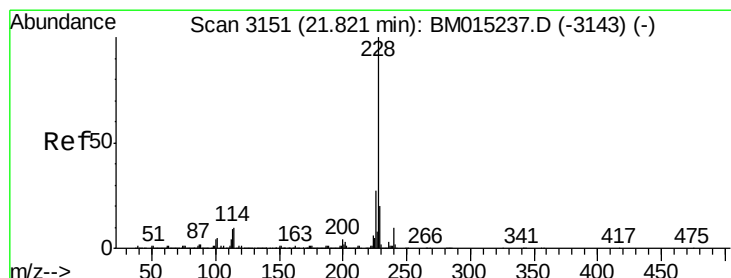
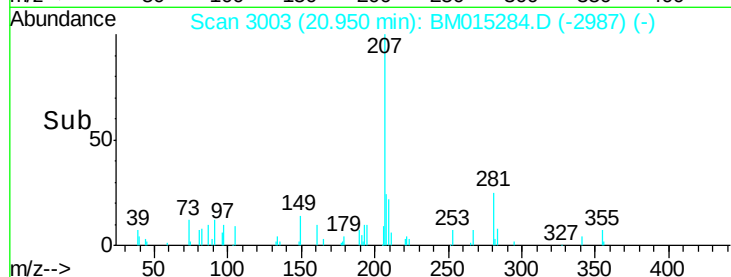
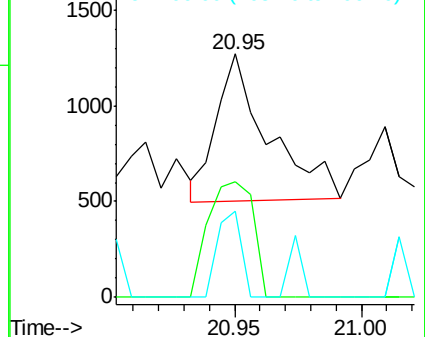
206 35.2 16.2 24.2#



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: 0.050 ng

RT: 21.83 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

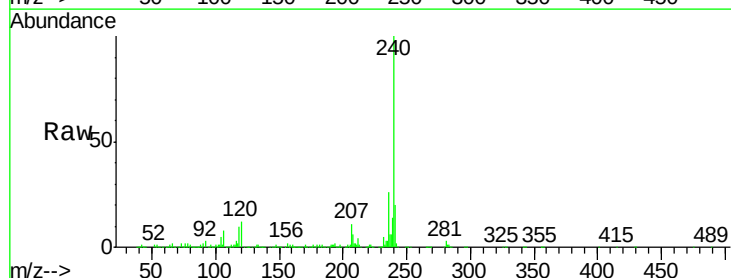
Tgt Ion:228 Resp: 2676

Ion Ratio Lower Upper

228 100

226 0.0 21.7 32.5#

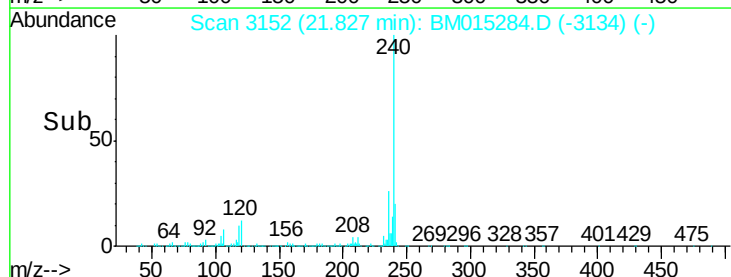
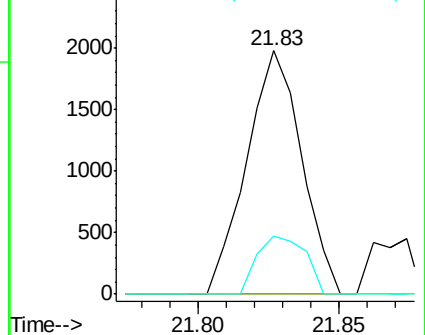
229 23.7 16.0 24.0

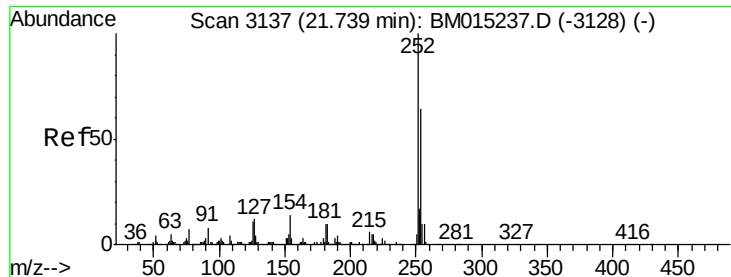


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

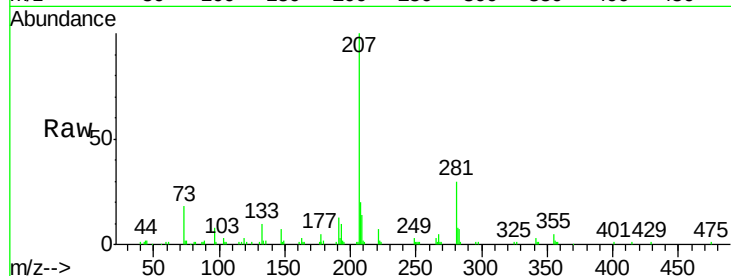




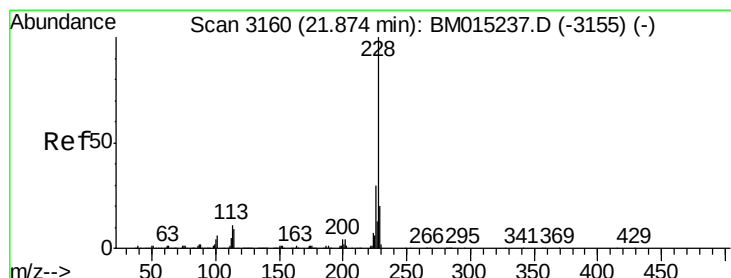
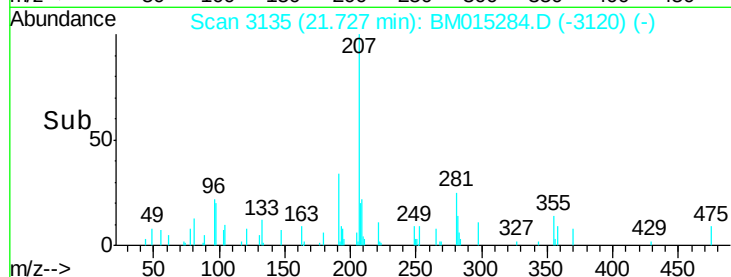
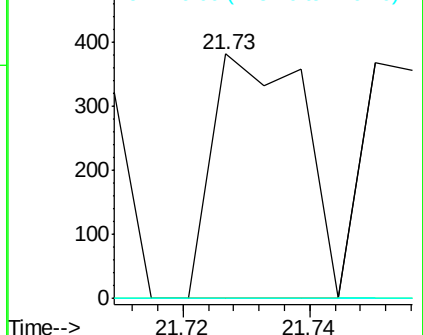
#81
 3,3'-Dichlorobenzidine
 Concen: 0.019 ng
 RT: 21.73 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

Instrument :
 BNA_M
 ClientSampleId :
 PB109579BL

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.9	77.9#
126	0.0	9.8	14.8#

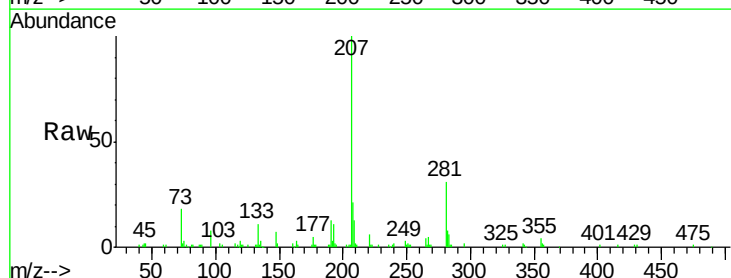


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

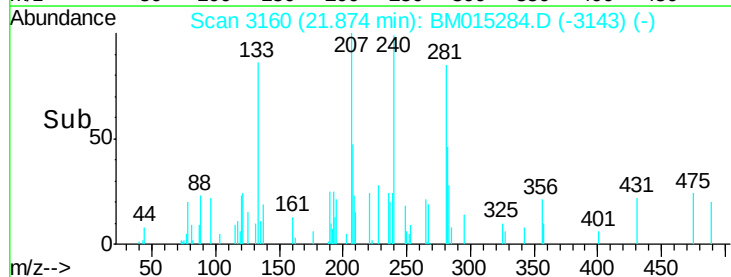
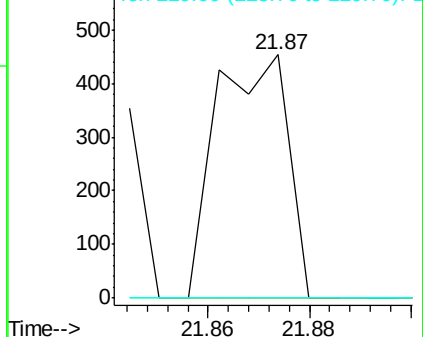


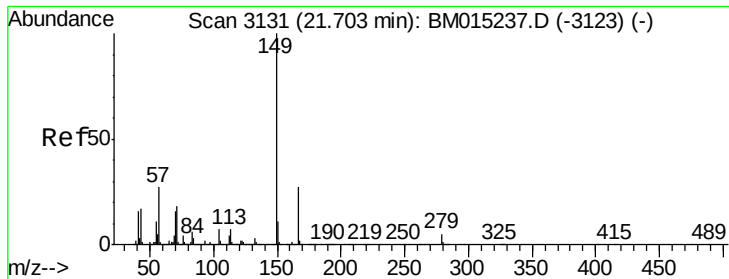
#82
 Chrysene
 Concen: 0.009 ng
 RT: 21.87 min Scan# 3160
 Delta R.T. -0.00 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.1	36.1#
229	0.0	15.5	23.3#



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

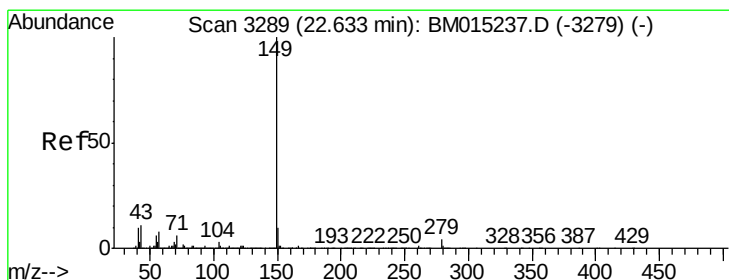
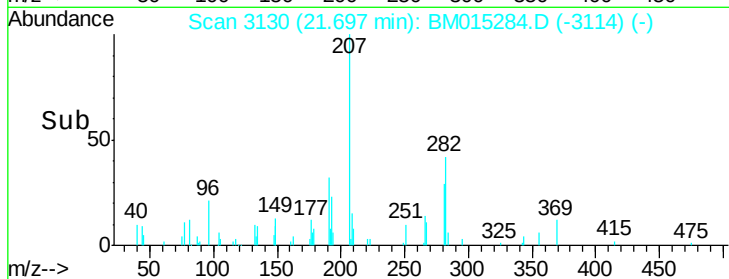
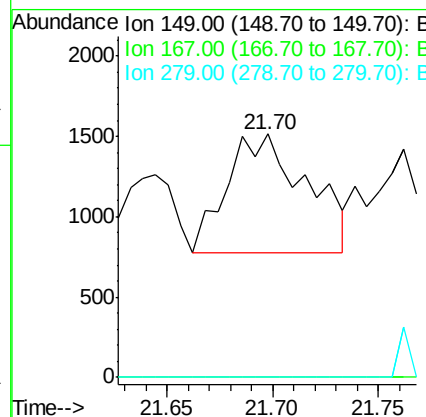
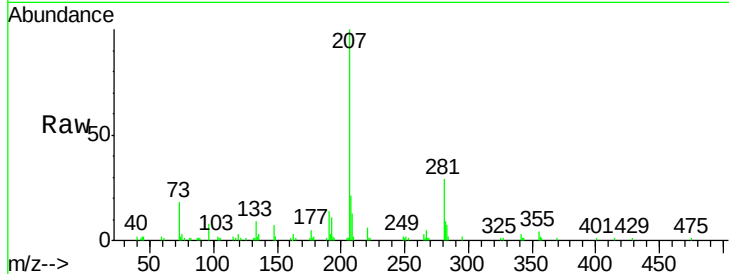




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.061 ng
 RT: 21.70 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

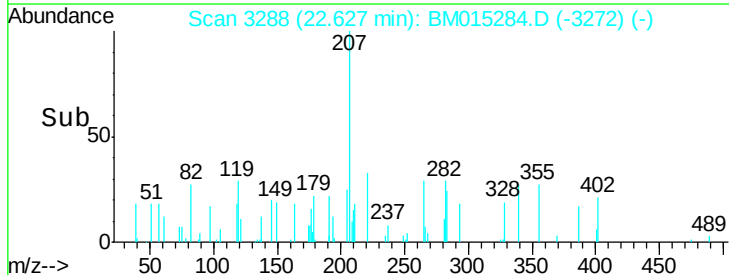
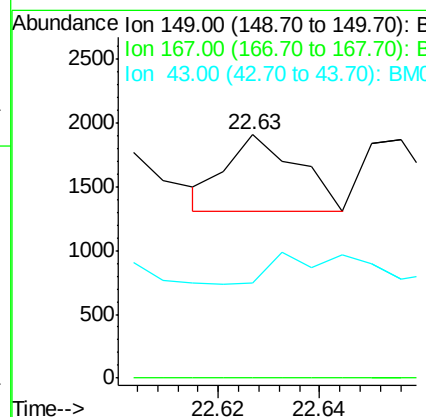
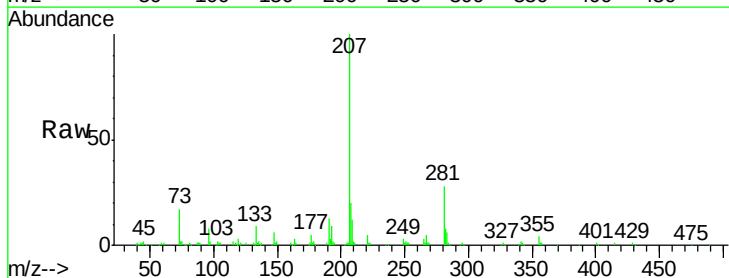
Instrument :
 BNA_M
 ClientSampleId :
 PB109579BL

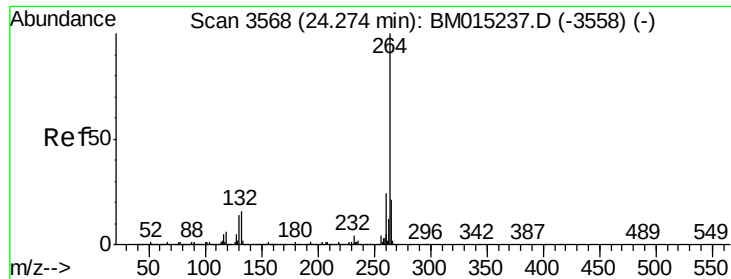
Tot Ion:149 Resp: 1923
 Ion Ratio Lower Upper
 149 100
 167 0.0 22.4 33.6#
 279 0.0 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 0.011 ng
 RT: 22.63 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BM015284.D
 Acq: 23 May 2018 20:10

Tgt Ion:149 Resp: 585
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 62.6 7.3 10.9#

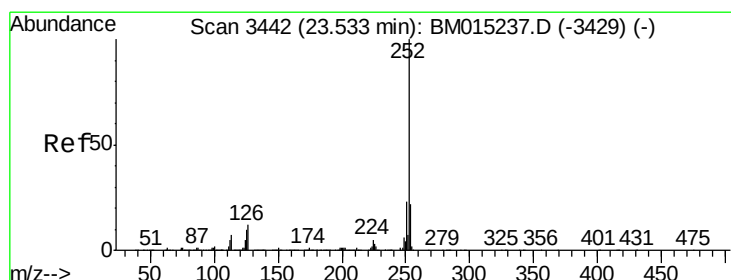
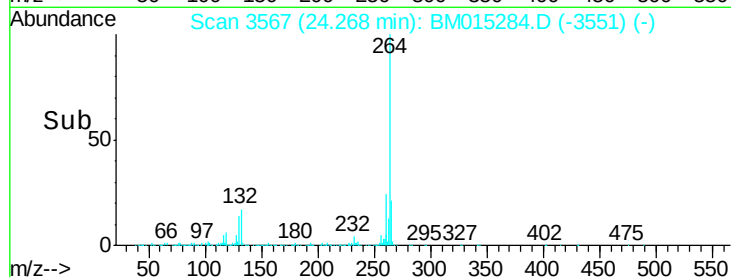
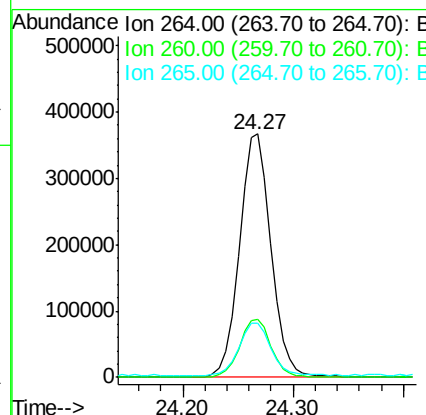
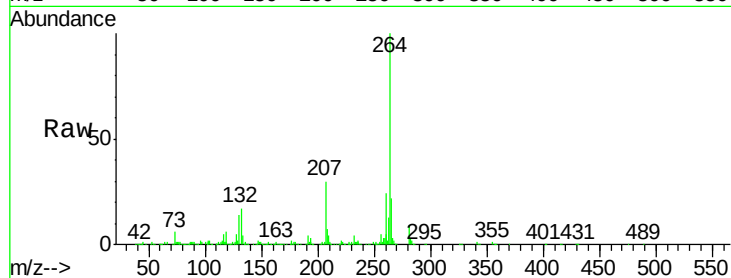




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

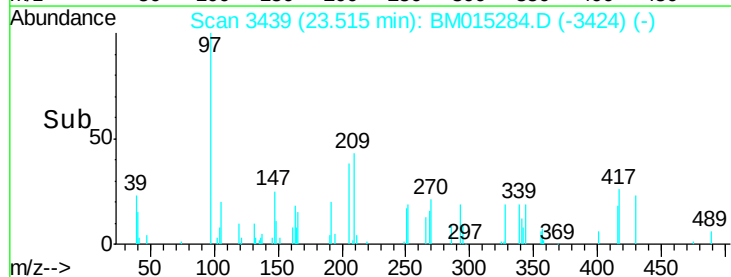
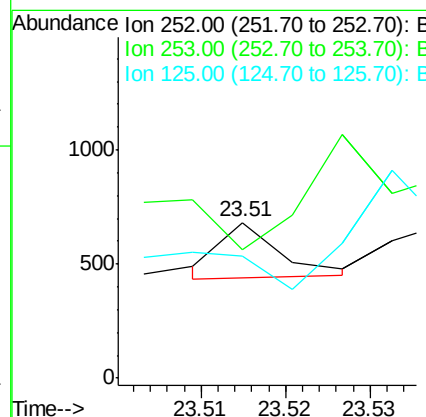
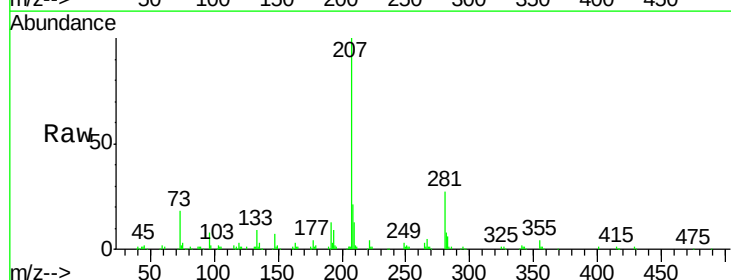
Instrument :
BNA_M
ClientSampleId :
PB109579BL

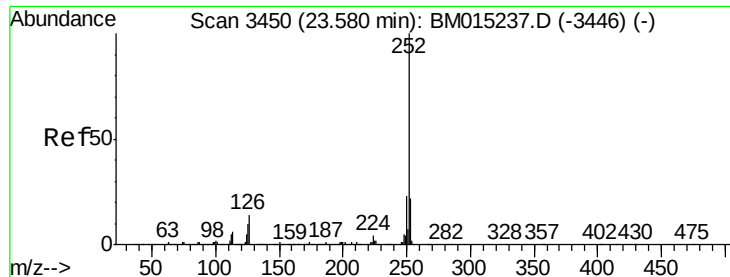
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	22.2	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 0.002 ng
RT: 23.51 min Scan# 3439
Delta R.T. -0.01 min
Lab File: BM015284.D
Acq: 23 May 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	83.0	18.0	27.0#
125	78.6	9.9	14.9#





#88

Benzo(k)fluoranthene

Concen: 0.006 ng

RT: 23.54 min Scan# 3444

Delta R.T. -0.04 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

Instrument :

BNA_M

ClientSampleId :

PB109579BL

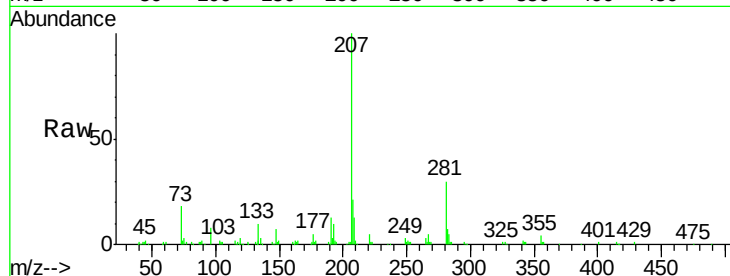
Tot Ion:252 Resp: 259

Ion Ratio Lower Upper

252 100

253 113.2 17.2 25.8#

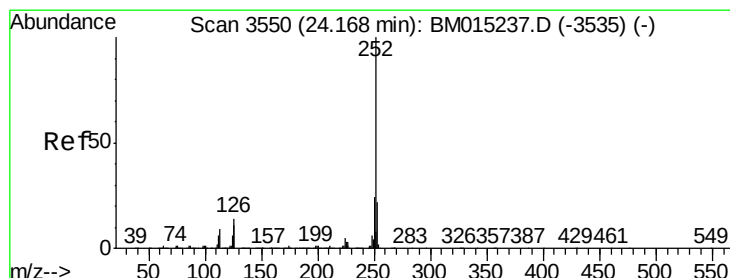
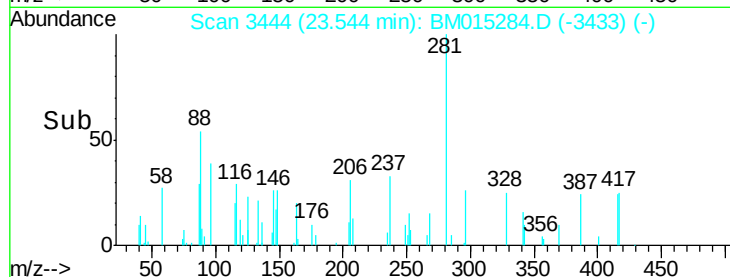
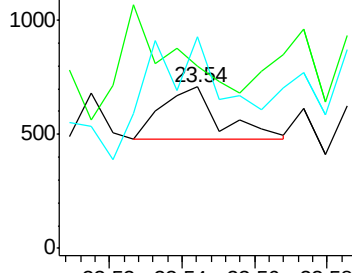
125 131.3 8.1 12.1#



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: 0.005 ng

RT: 24.15 min Scan# 3547

Delta R.T. -0.02 min

Lab File: BM015284.D

Acq: 23 May 2018 20:10

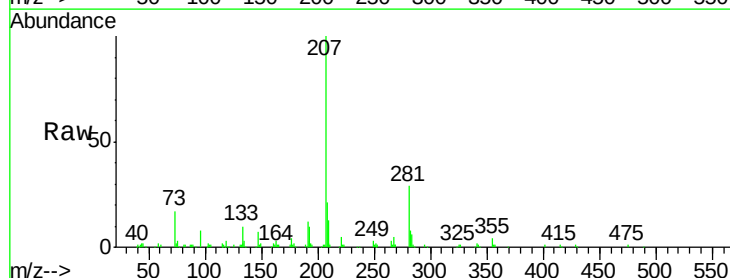
Tgt Ion:252 Resp: 233

Ion Ratio Lower Upper

252 100

253 159.8 17.6 26.4#

125 129.9 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

