

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
 Data File : BM010085.D
 Acq On : 20 May 2017 00:50
 Operator : SJ/MA
 Sample : I3202-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 04:04:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 19 14:14:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	179966	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	596028	20.00	ng	0.00
38) Acenaphthene-d10	14.60	164	351791	20.00	ng	-0.01
63) Phenanthrene-d10	17.34	188	831009	20.00	ng	0.00
75) Chrysene-d12	21.50	240	1224516	20.00	ng	0.00
86) Perylene-d12	23.87	264	1373840	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1402934	140.78	ng	0.00
7) Phenol-d6	7.16	99	1562204	121.82	ng	0.00
23) Nitrobenzene-d5	9.16	82	1130999	102.38	ng	-0.01
41) 2,4,6-Tribromophenol	16.09	330	772113	144.51	ng	0.00
44) 2-Fluorobiphenyl	13.22	172	2830551	103.44	ng	-0.01
78) Terphenyl-d14	19.94	244	4734240	87.91	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.45	88	153	0.03	ng	# 100
3) Pyridine	3.88	79	310	0.03	ng	# 3
4) n-Nitrosodimethylamine	3.80	42	1202	0.27	ng	# 3
8) 2-Chlorophenol	7.55	128	115	0.01	ng	# 1
9) Benzaldehyde	7.16	77	5346	0.67	ng	# 12
10) Phenol	7.19	94	140	0.01	ng	# 1
15) Benzyl Alcohol	8.29	79	22653	2.33	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	8.47	45	681	0.07	ng	# 66
18) Hexachloroethane	9.06	117	119	0.03	ng	# 3
22) Acetophenone	8.82	105	1012	0.07	ng	# 52
24) Nitrobenzene	9.16	77	6732	0.59	ng	# 37
25) Isophorone	9.72	82	726	0.04	ng	# 62
31) Naphthalene	10.83	128	16758	0.53	ng	# 94
37) 2-Methylnaphthalene	12.43	142	4491	0.20	ng	# 86
45) 1,1'-Biphenyl	13.43	154	3584	0.12	ng	# 82
48) Acenaphthylene	14.32	152	396	0.01	ng	# 61
51) Acenaphthene	14.66	154	5492	0.26	ng	# 93
54) Dibenzofuran	15.00	168	3940	0.12	ng	# 91
55) 4-Nitrophenol	15.00	139	1484	0.33	ng	# 18
57) Fluorene	15.65	166	5186	0.18	ng	# 68
59) Diethylphthalate	15.41	149	710	0.02	ng	# 46
62) Azobenzene	15.94	77	1154	0.05	ng	# 50
65) n-Nitrosodiphenylamine	15.86	169	1533	0.06	ng	# 71
67) Hexachlorobenzene	16.62	284	137	0.01	ng	# 47
69) Pentachlorophenol	16.99	266	169	0.02	ng	# 19
70) Phenanthrene	17.39	178	10342	0.22	ng	# 94
71) Anthracene	17.49	178	930	0.02	ng	# 43
72) Carbazole	17.76	167	6621	0.16	ng	# 88
73) Di-n-butylphthalate	18.29	149	2866	0.06	ng	# 78
74) Fluoranthene	19.39	202	1712	0.03	ng	# 66
76) Benzidine	19.57	184	107	0.00	ng	# 68
77) Pyrene	19.75	202	1847	0.03	ng	# 57
79) Butylbenzylphthalate	20.63	149	1193	0.05	ng	# 71
80) Benzo(a)anthracene	21.50	228	3951	0.06	ng	# 83

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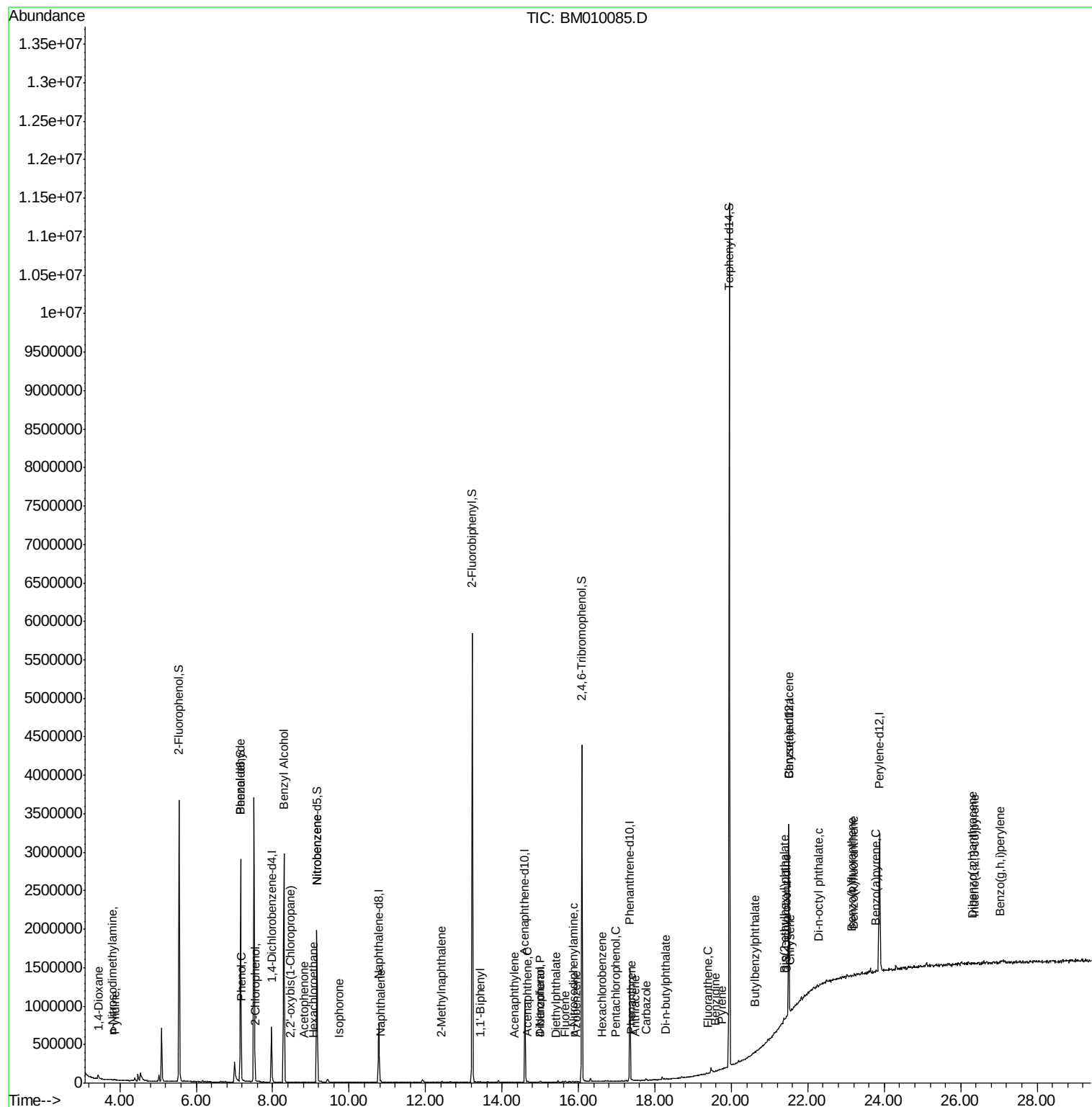
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 3,3'-Dichlorobenzidine	21.44	252	1399	0.05	nq	# 57
82) Chrysene	21.54	228	997	0.02	nq	# 75
83) Bis(2-ethylhexyl)phthalate	21.37	149	3427	0.09	nq	# 66
84) Di-n-octyl phthalate	22.28	149	1875	0.03	nq	# 69
85) Indeno(1,2,3-cd)pyrene	26.36	276	143	0.00	nq	# 100
87) Benzo(b)fluoranthene	23.15	252	403	0.01	nq	# 1
88) Benzo(k)fluoranthene	23.20	252	2306	0.03	nq	# 1
89) Benzo(a)pyrene	23.77	252	4976	0.06	nq	# 1
90) Dibenzo(a,h)anthracene	26.30	278	1435	0.02	nq	# 1
91) Benzo(a,h,i)perylene	27.04	276	3598	0.04	nq	# 78

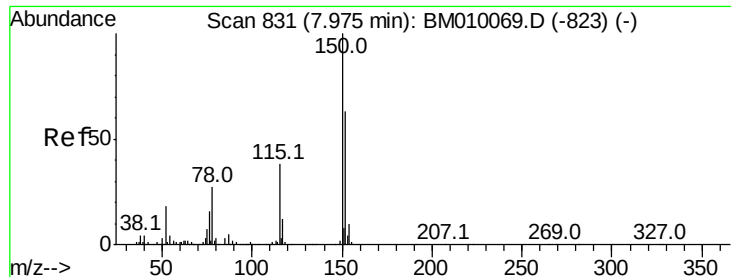
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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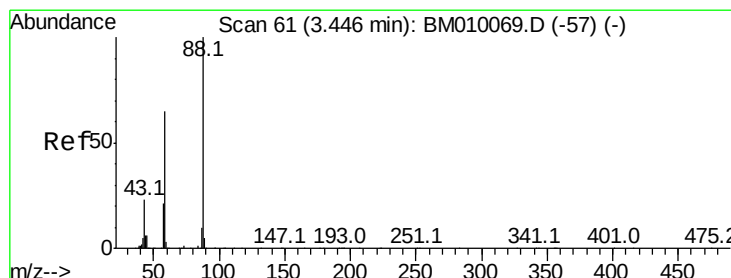
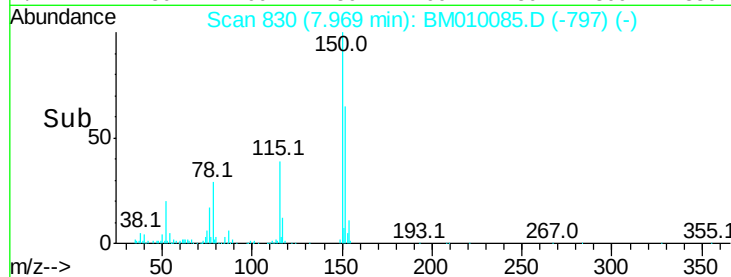
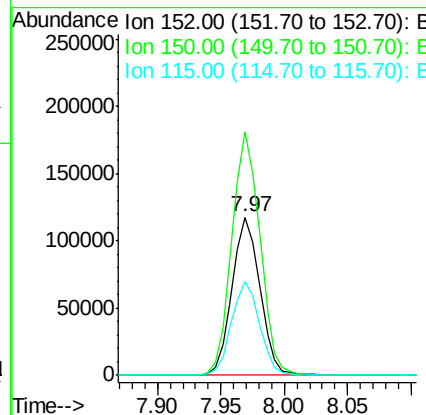
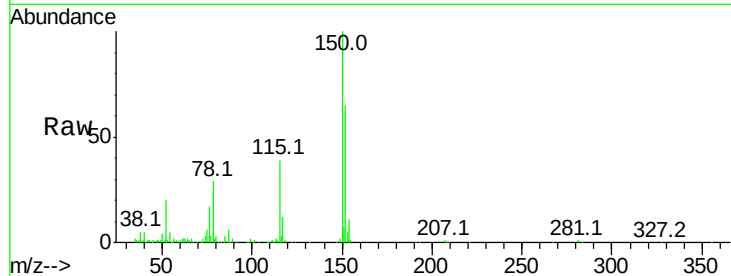


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Instrument :
BNA_M
ClientSampled :

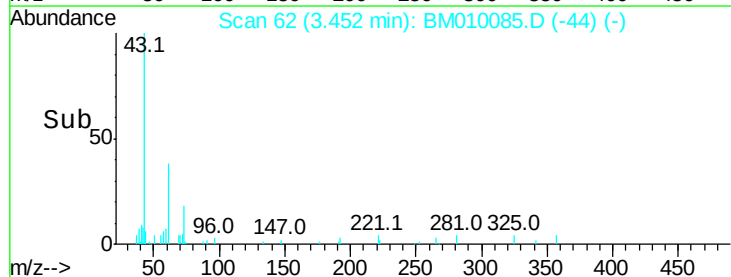
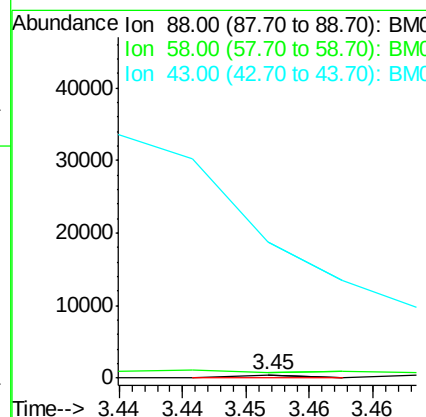
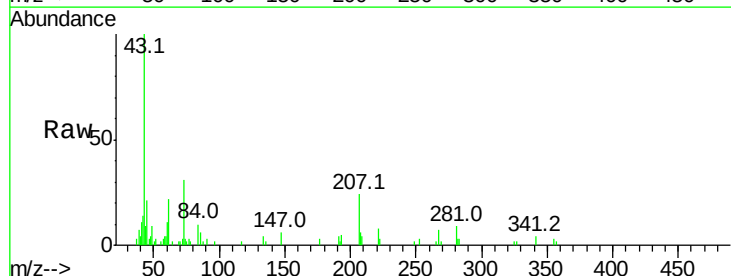
Tot Ion	152	Resp	179966
Ion	Ratio	Lower	Upper
152	100		
150	153.8	119.5	179.3
115	59.6	43.0	64.4

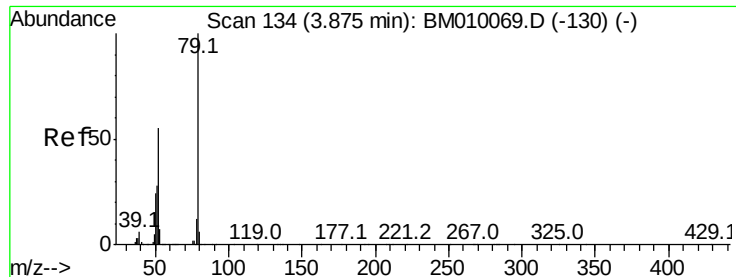


#2

1,4-Dioxane
Concen: 0.03 ng
RT: 3.45 min Scan# 62
Delta R.T. 0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion	88	Resp	153
Ion	Ratio	Lower	Upper
88	100		
58	486.3	0.0	0.0#
43	25703.9	0.0	0.0#





#3

Pvridine

Concen: 0.03 ng

RT: 3.88 min Scan# 134

Delta R.T. -0.00 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

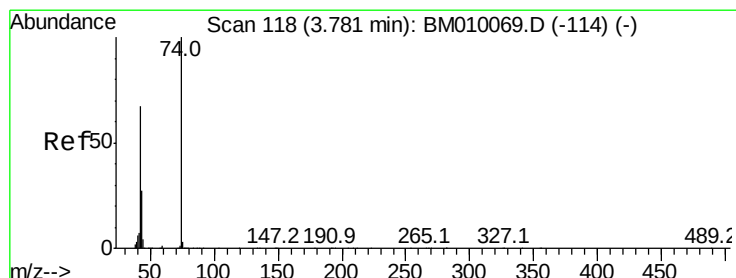
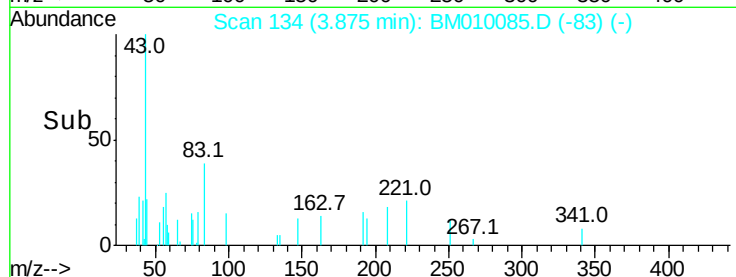
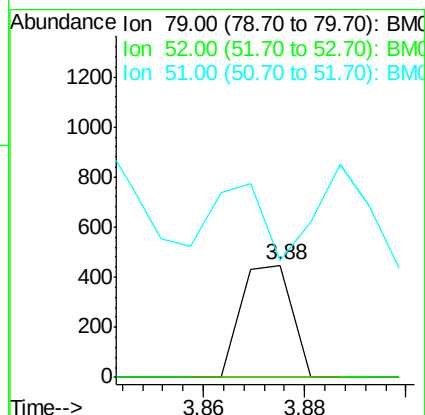
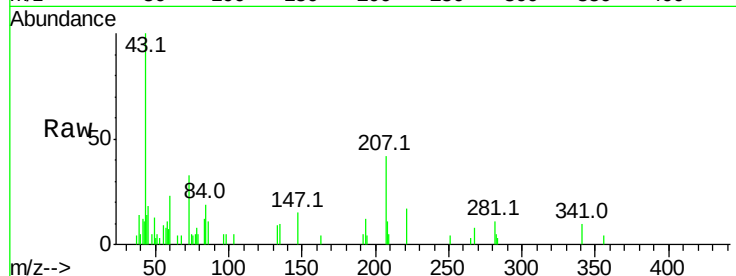
Tot Ion: 79 Resp: 310

Ion Ratio Lower Upper

79 100

52 0.0 51.1 76.7#

51 104.0 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 0.27 ng

RT: 3.80 min Scan# 122

Delta R.T. 0.02 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

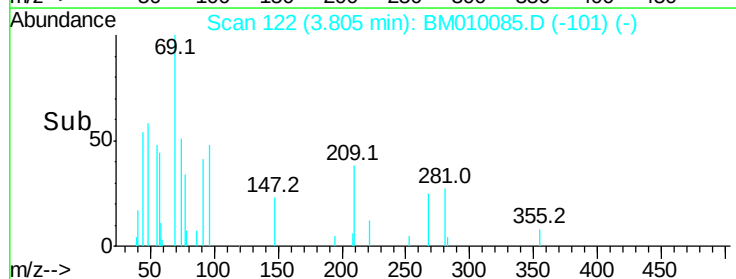
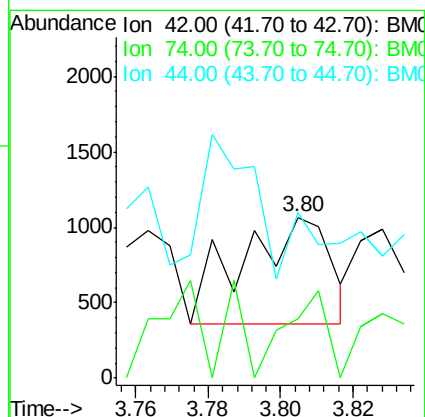
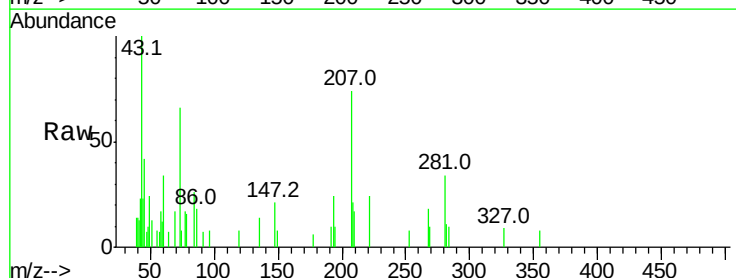
Tgt Ion: 42 Resp: 1202

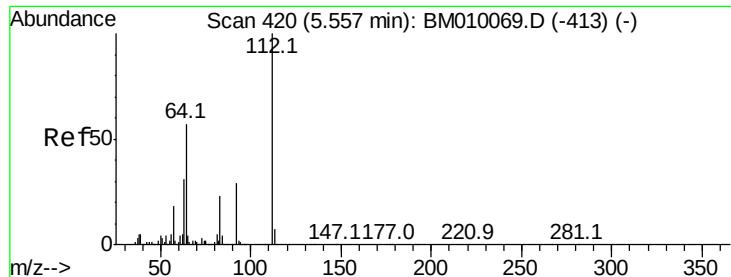
Ion Ratio Lower Upper

42 100

74 37.0 119.3 178.9#

44 103.3 5.4 8.2#





#5

2-Fluorophenol

Concen: 140.78 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

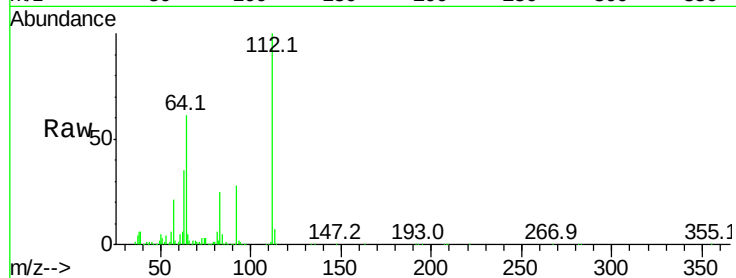
Tot Ion:112 Resp: 1402934

Ion Ratio Lower Upper

112 100

64 61.4 38.6 57.8#

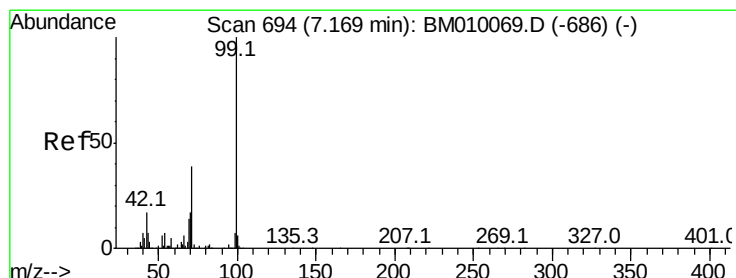
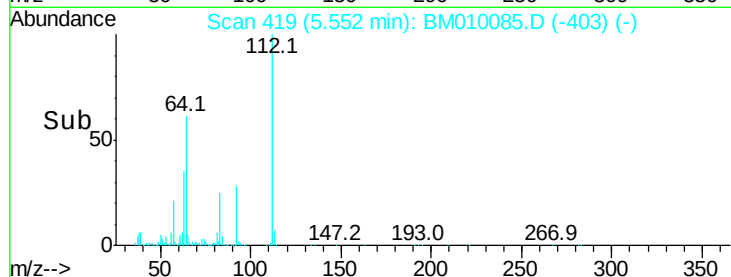
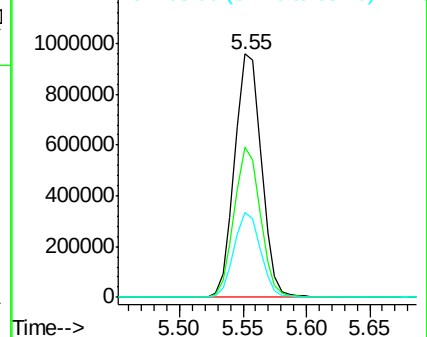
63 35.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 121.82 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

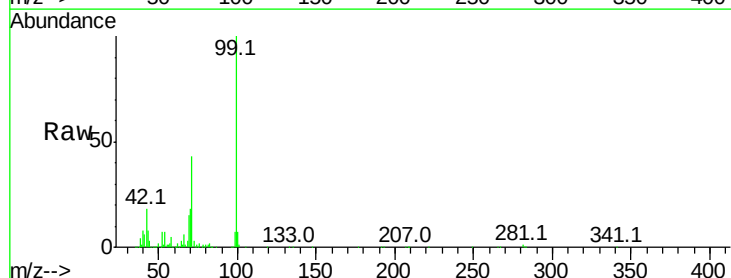
Tgt Ion: 99 Resp: 1562204

Ion Ratio Lower Upper

99 100

42 18.0 11.0 16.4#

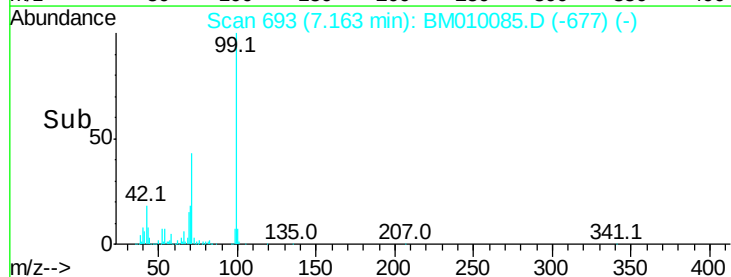
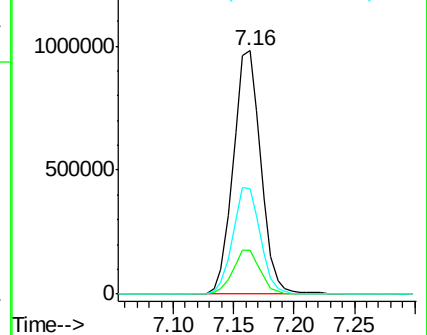
71 43.1 23.4 35.2#

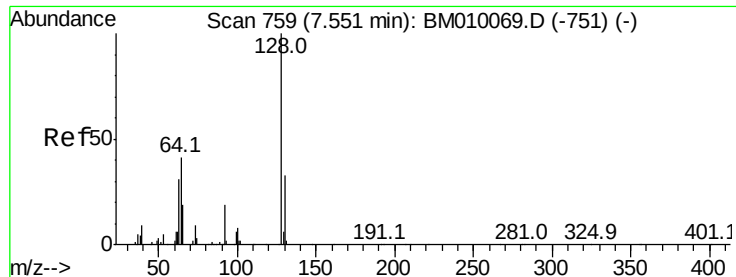


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 0.01 ng

RT: 7.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BM010085.D

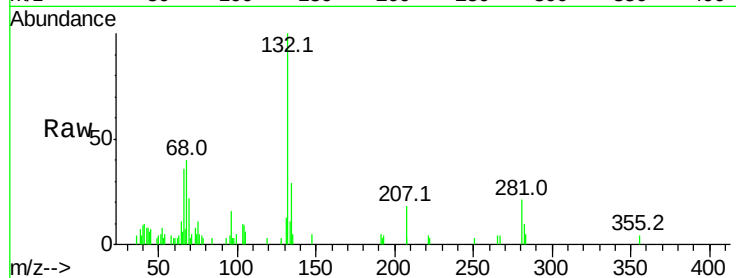
Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

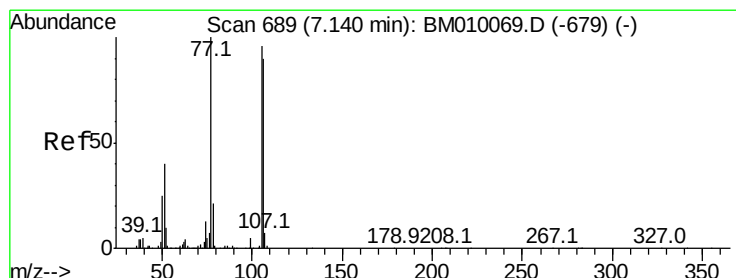
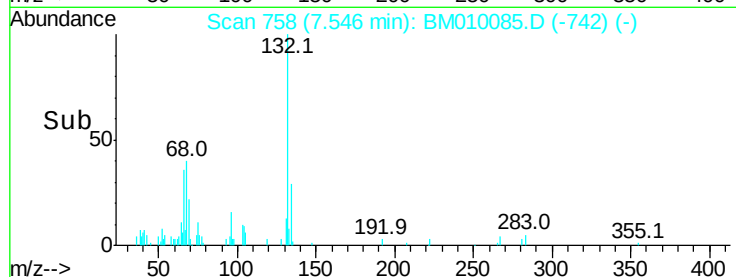
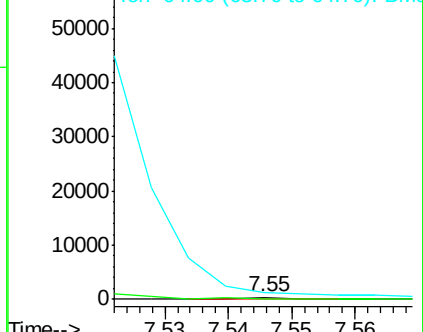
Tot Ion:	128	Resp:	115
Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.0	52.0#
64	387.5	24.9	64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 0.67 ng

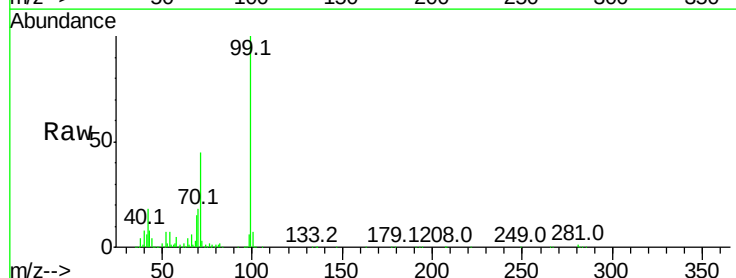
RT: 7.16 min Scan# 692

Delta R.T. 0.02 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

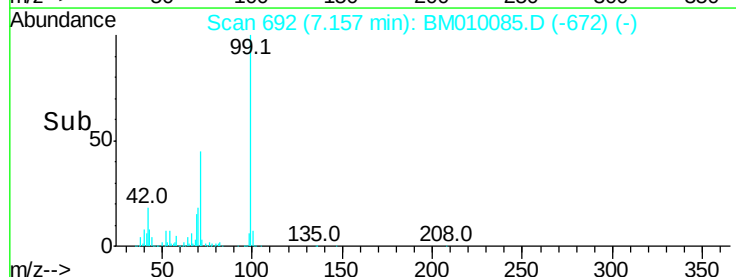
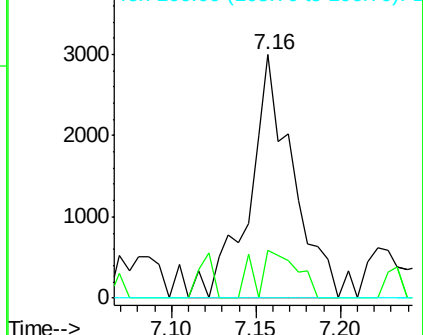
Tgt Ion:	77	Resp:	5346
Ion	Ratio	Lower	Upper
77	100		
105	19.8	78.8	118.8#
106	0.0	73.7	113.7#

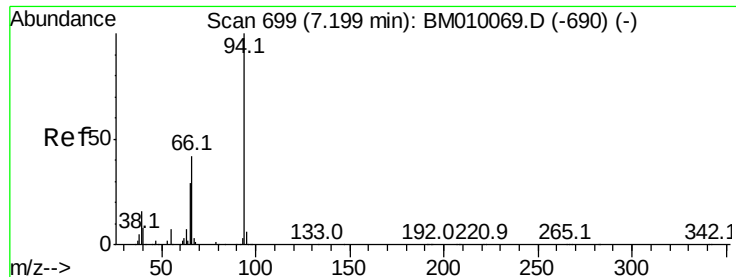


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.01 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

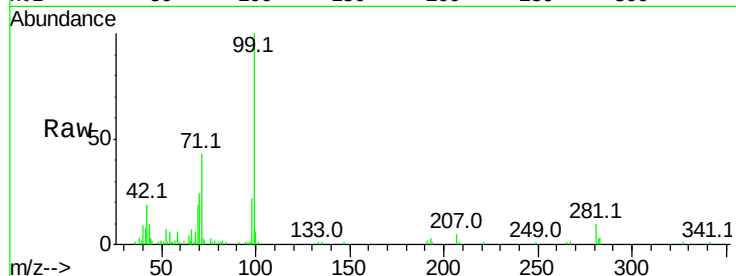
Tot Ion: 94 Resp: 140

Ion Ratio Lower Upper

94 100

65 205.0 18.8 58.8#

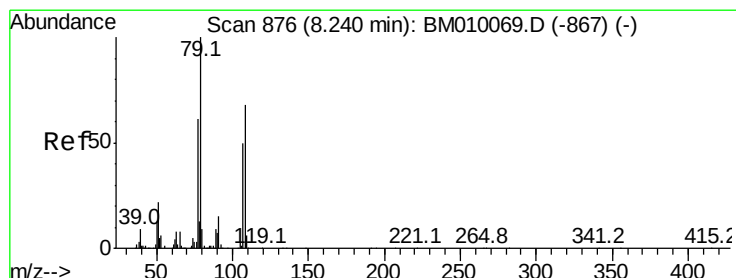
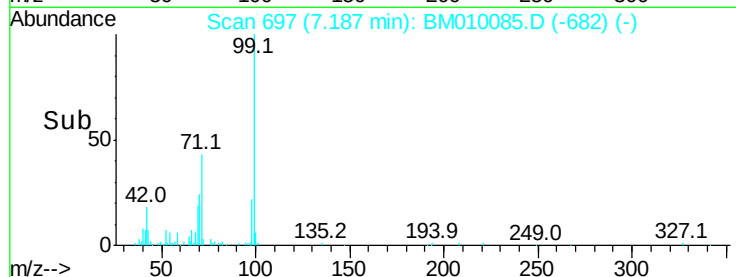
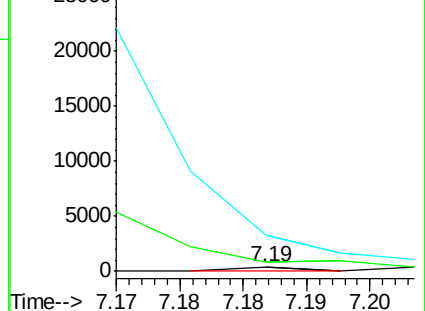
66 833.2 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM010069.D (-690) (-)

Ion 65.00 (64.70 to 65.70): BM010069.D (-690) (-)

Ion 66.00 (65.70 to 66.70): BM010069.D (-690) (-)



#15

Benzyl Alcohol

Concen: 2.33 ng

RT: 8.29 min Scan# 884

Delta R.T. 0.05 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

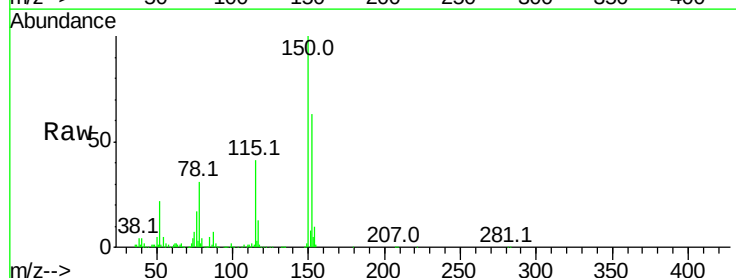
Tgt Ion: 79 Resp: 22653

Ion Ratio Lower Upper

79 100

108 37.7 65.0 97.4#

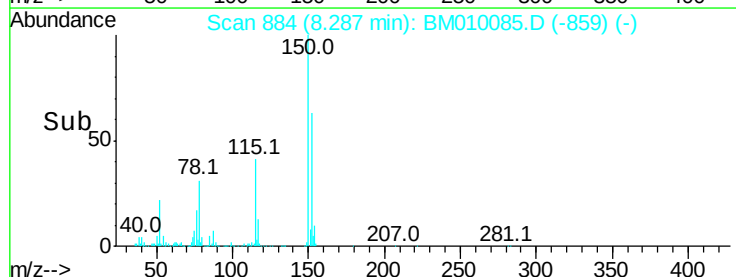
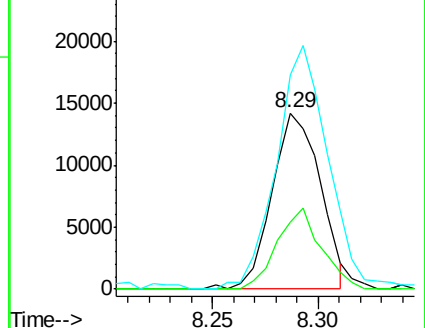
77 121.8 53.0 79.6#

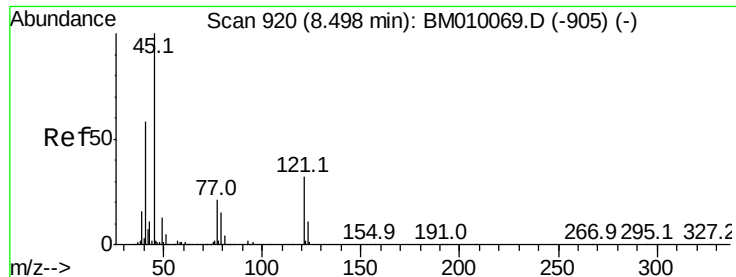


Abundance Ion 79.00 (78.70 to 79.70): BM010069.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM010069.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM010069.D (-867) (-)

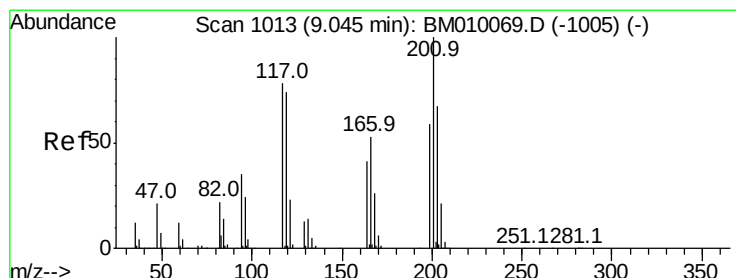
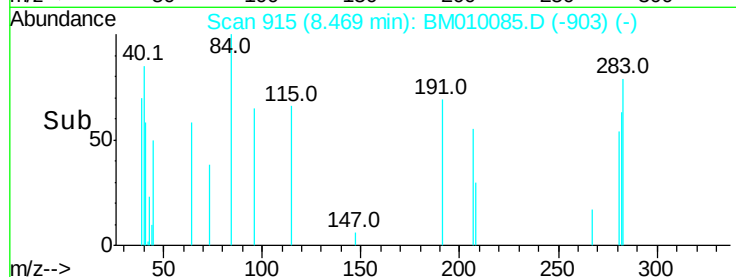
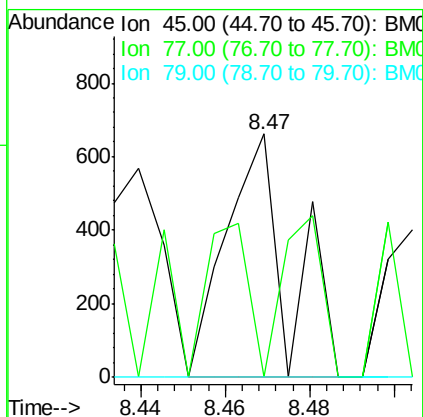
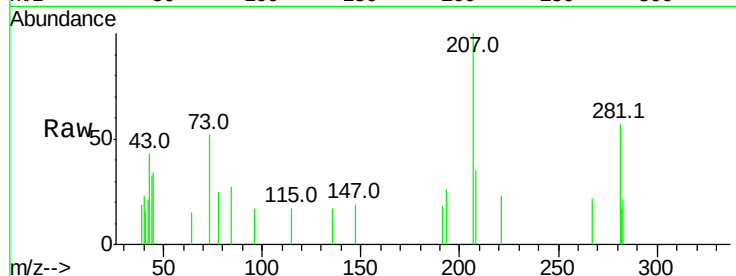




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.07 ng
RT: 8.47 min Scan# 915
Delta R.T. -0.03 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

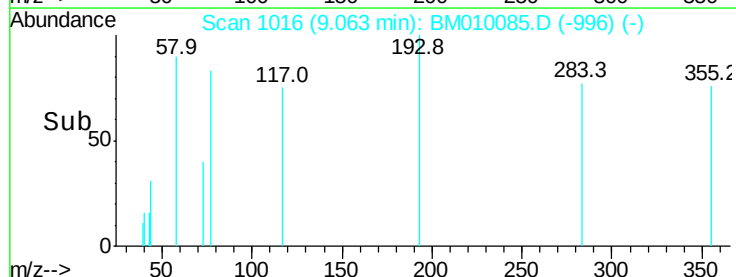
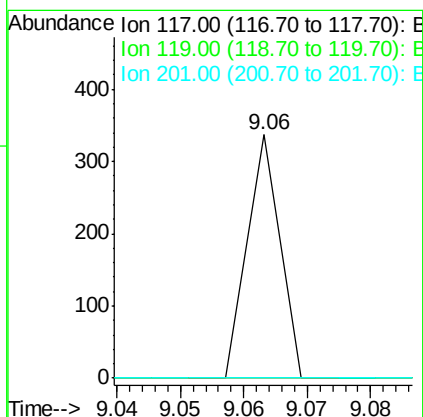
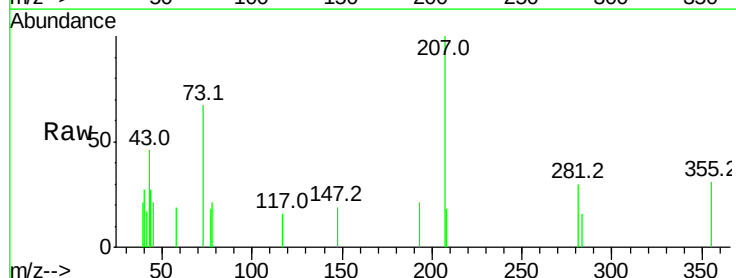
Instrument :
BNA_M
ClientSampleId :

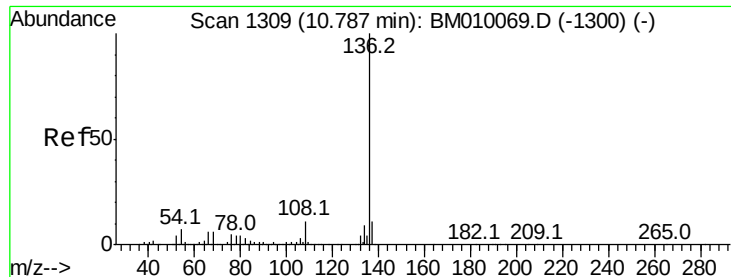
Tot Ion: 45 Resp: 681
Ion Ratio Lower Upper
45 100
77 0.0 0.0 35.2
79 0.0 0.0 32.0



#18
Hexachloroethane
Concen: 0.03 ng
RT: 9.06 min Scan# 1016
Delta R.T. 0.02 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion: 117 Resp: 119
Ion Ratio Lower Upper
117 100
119 0.0 79.2 118.8#
201 0.0 69.8 104.6#

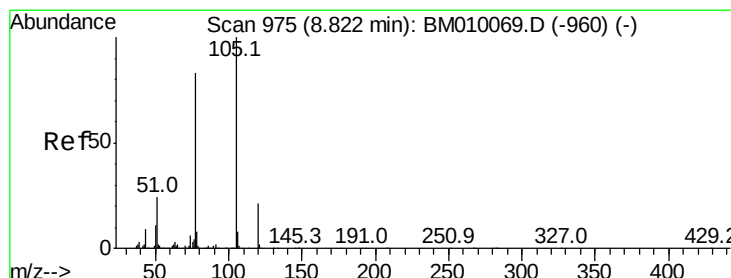
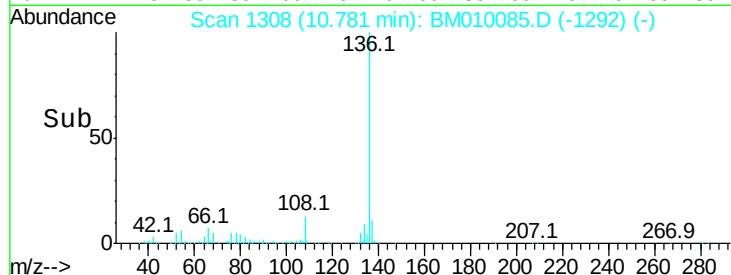
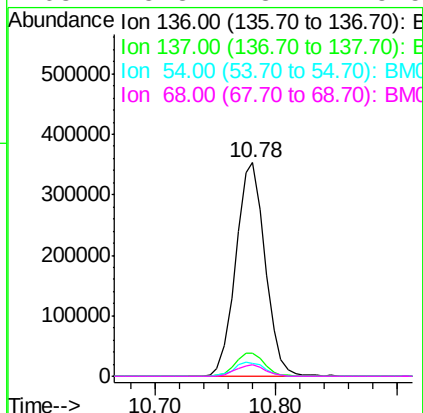
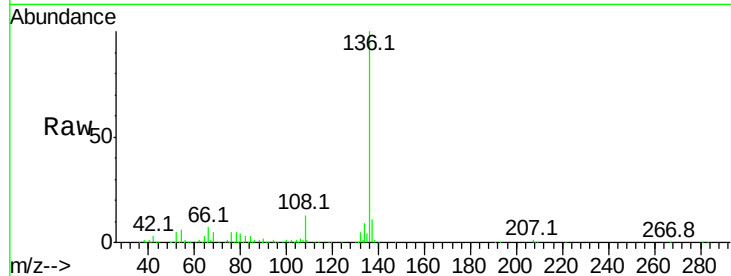




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

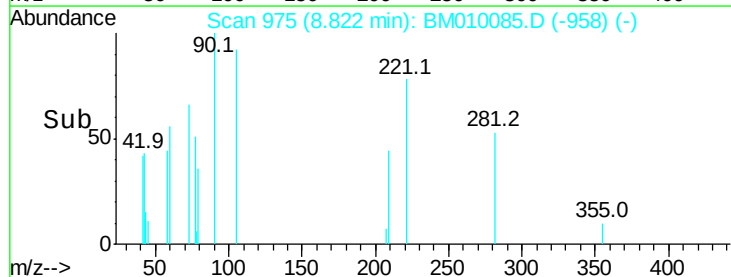
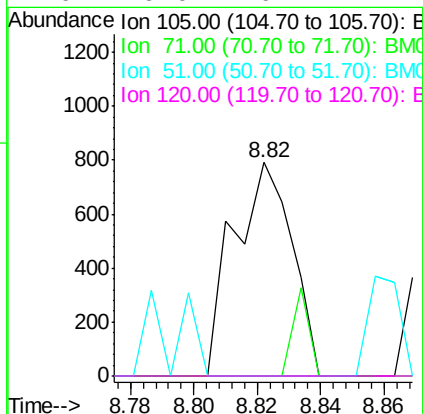
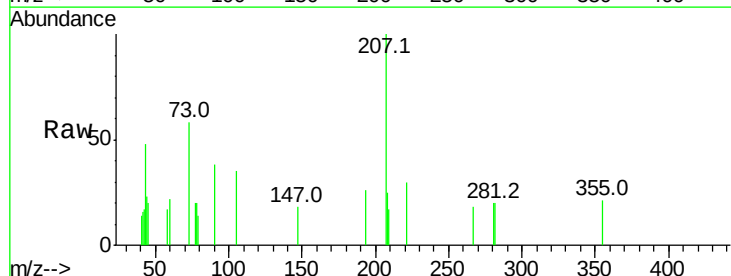
Instrument :
BNA_M
ClientSampleId :

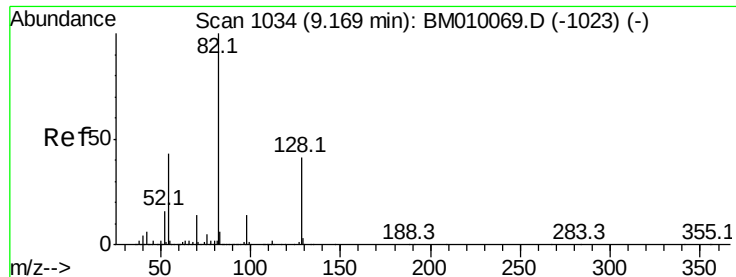
Tot Ion:136	Resp:	596028
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.7 13.1
54	6.1	4.6 6.8
68	5.3	3.7 5.5



#22
Acetophenone
Concen: 0.07 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion:105	Resp:	1012
Ion Ratio	Lower	Upper
105	100	
71	0.0	0.6 1.0#
51	0.0	21.6 32.4#
120	0.0	16.1 24.1#



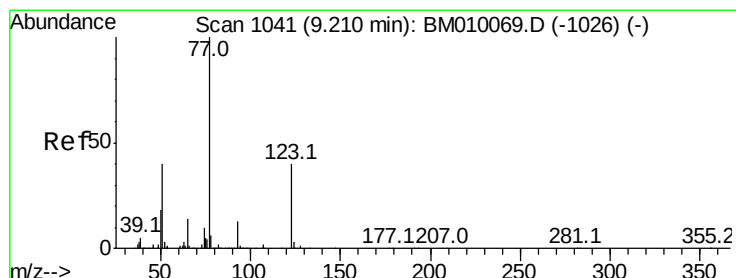
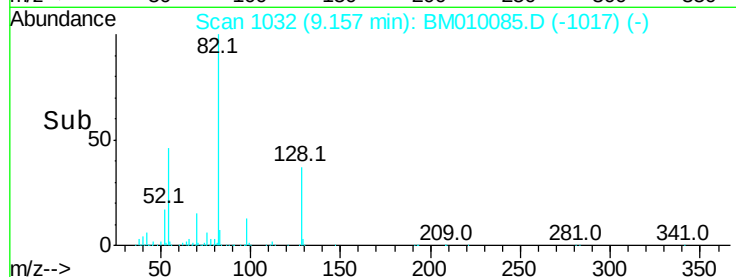
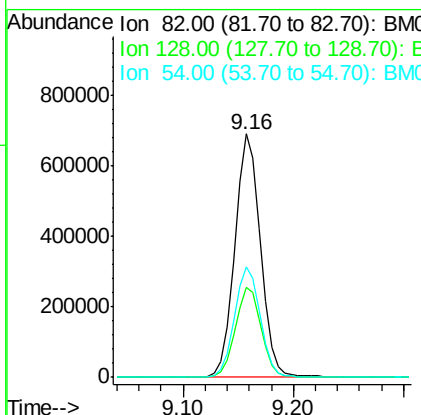
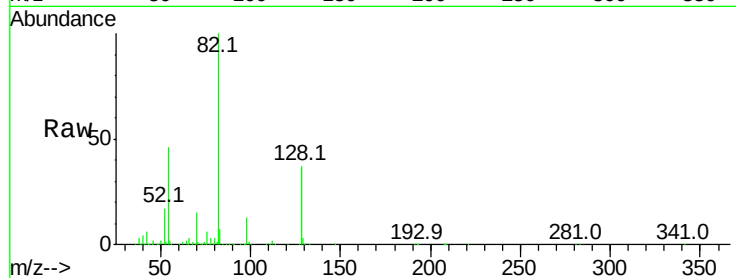


#23
 Nitrobenzene-d5
 Concen: 102.38 ng
 RT: 9.16 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BM010085.D
 Acq: 20 May 2017 00:50

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 82 Resp: 1130999

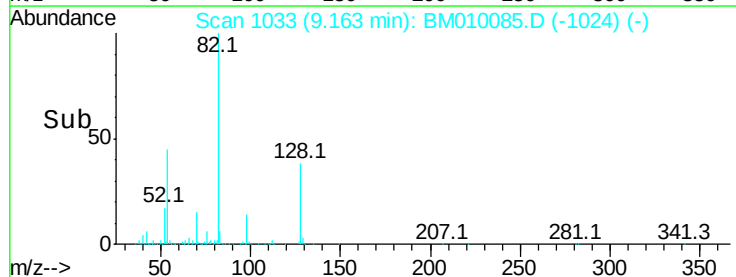
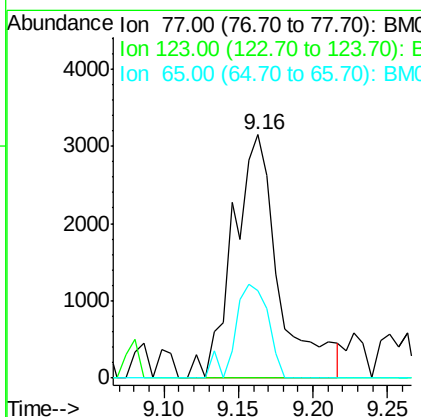
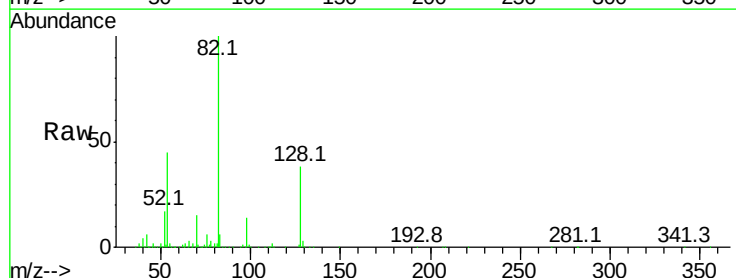
Ion	Ratio	Lower	Upper
82	100		
128	36.8	32.8	49.2
54	45.5	40.6	60.8

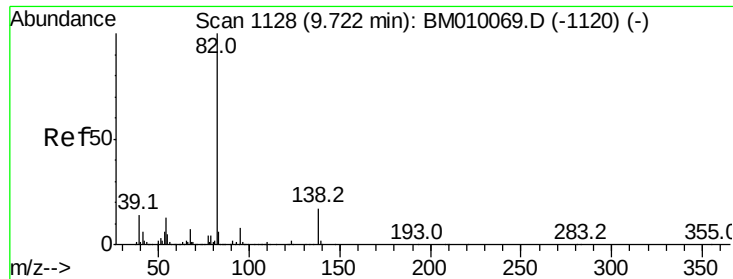


#24
 Nitrobenzene
 Concen: 0.59 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.05 min
 Lab File: BM010085.D
 Acq: 20 May 2017 00:50

Tgt Ion: 77 Resp: 6732

Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.6	49.0#
65	35.9	10.9	16.3#





#25

Isophorone

Concen: 0.04 ng

RT: 9.72 min Scan# 1128

Delta R.T. -0.00 min

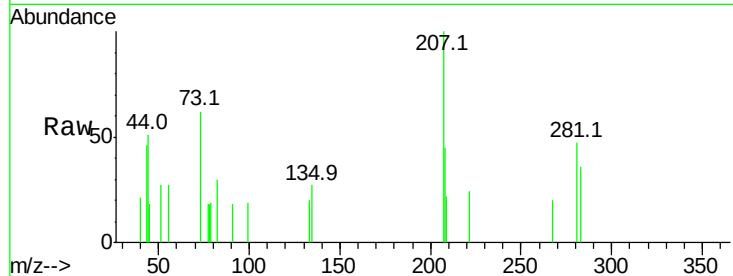
Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :



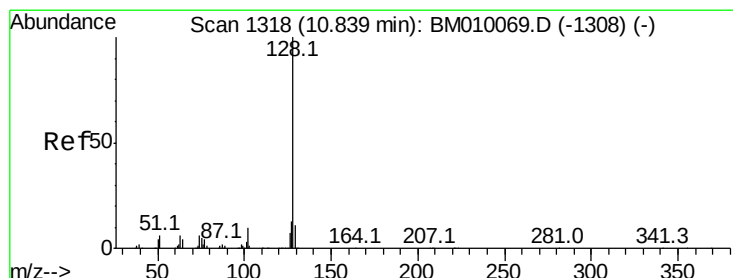
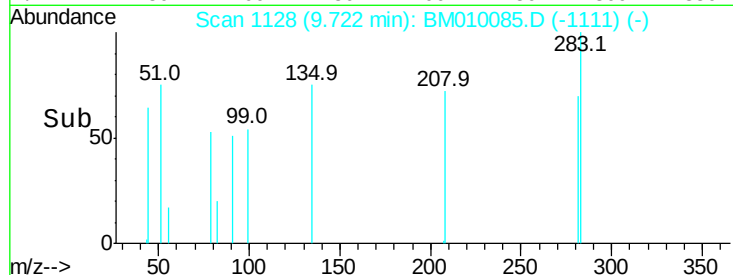
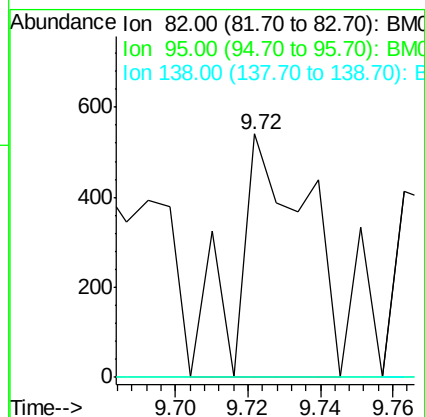
Tot Ion: 82 Resp: 726

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 16.3 24.5#



#31

Naphthalene

Concen: 0.53 ng

RT: 10.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

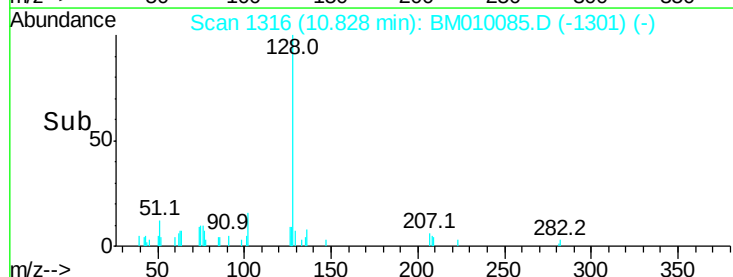
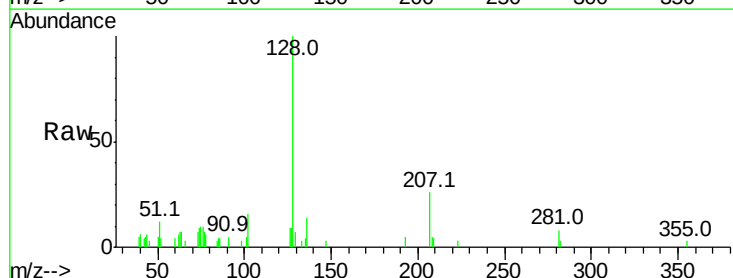
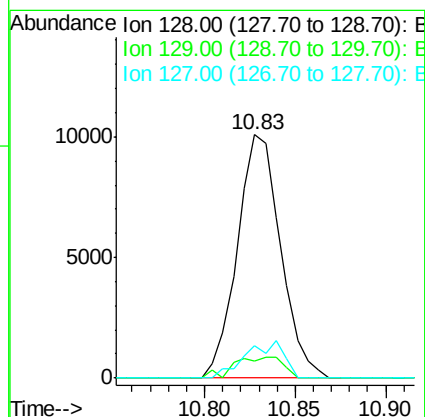
Tgt Ion: 128 Resp: 16758

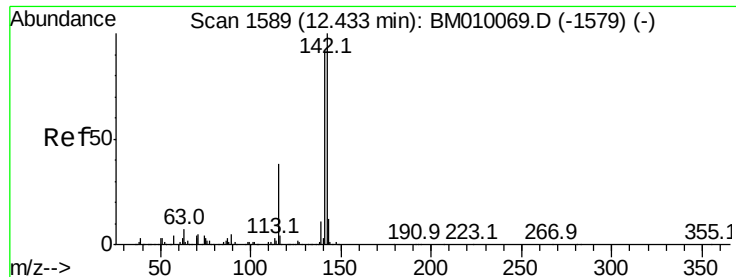
Ion Ratio Lower Upper

128 100

129 7.0 8.9 13.3#

127 13.4 10.4 15.6

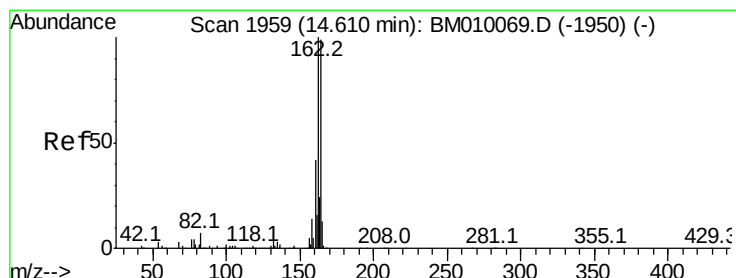
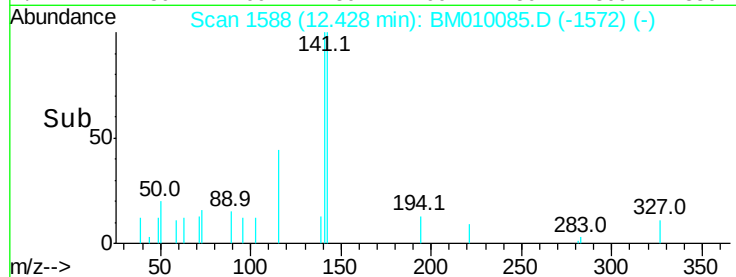
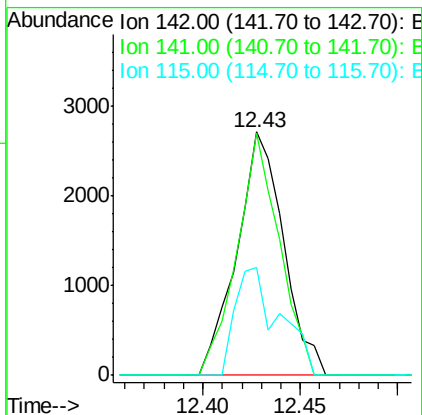
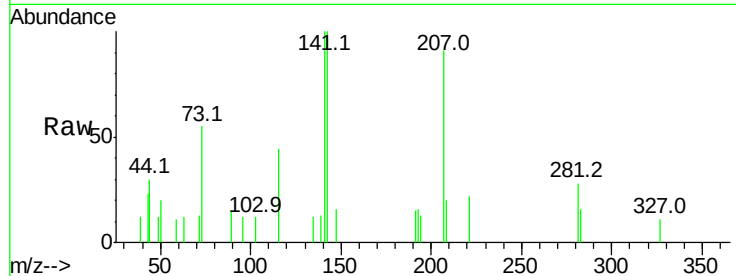




#37
2-Methylnaphthalene
Concen: 0.20 ng
RT: 12.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

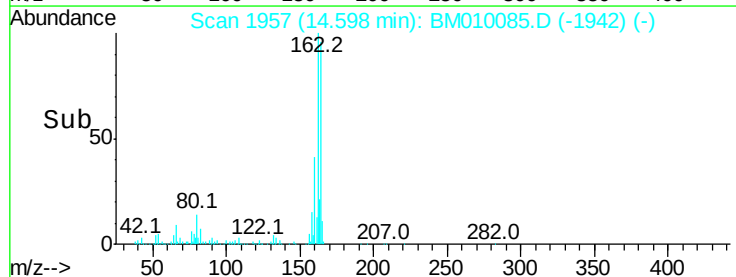
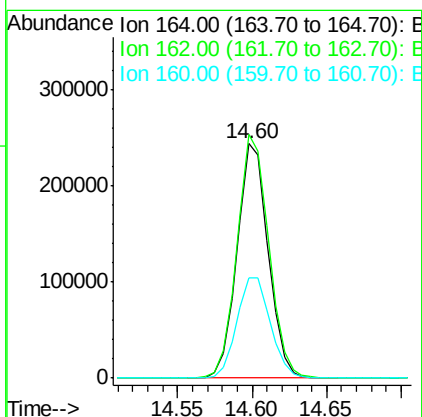
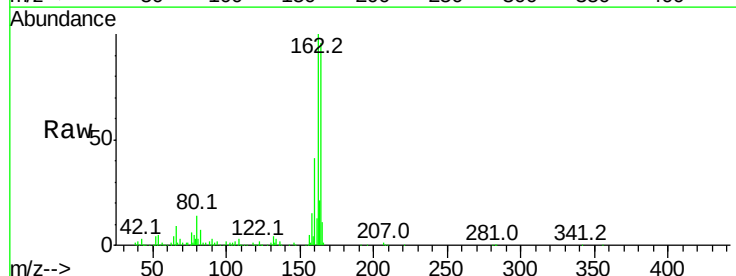
Instrument :
BNA_M
ClientSampleId :

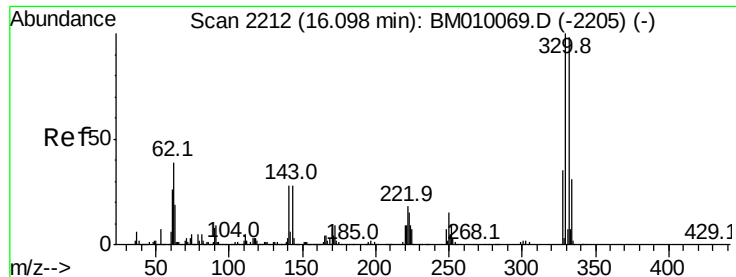
Tot Ion:142 Resp: 4491
Ion Ratio Lower Upper
142 100
141 99.7 71.9 107.9
115 44.2 25.4 38.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion:164 Resp: 351791
Ion Ratio Lower Upper
164 100
162 103.9 82.4 123.6
160 42.8 35.8 53.6

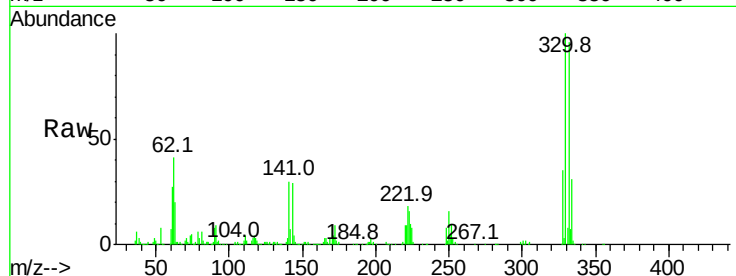




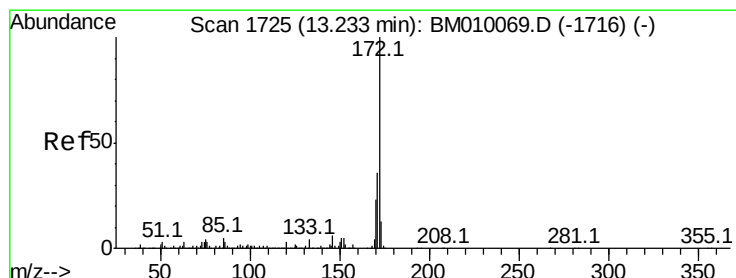
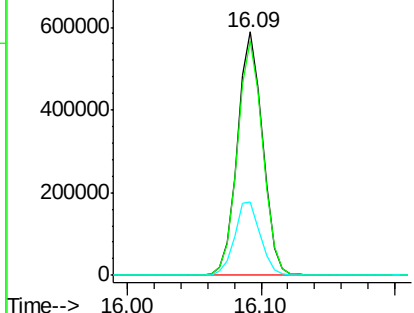
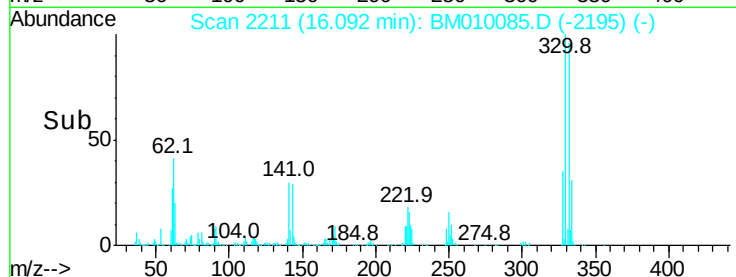
#41
2,4,6-Tribromophenol
Concen: 144.51 ng
RT: 16.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion:330 Resp: 772113
Ion Ratio Lower Upper
330 100
332 96.8 0.0 0.0#
141 31.0 0.0 0.0#

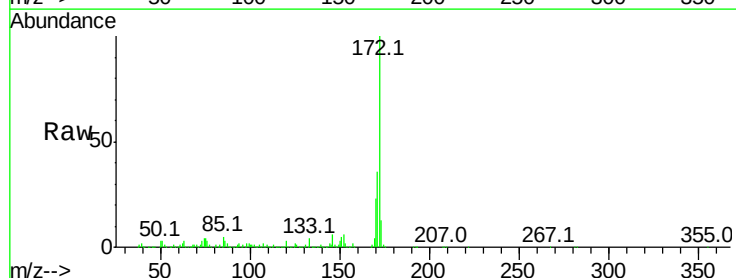


Abundance Ion 329.80 (329.50 to 330.50): E
800000
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

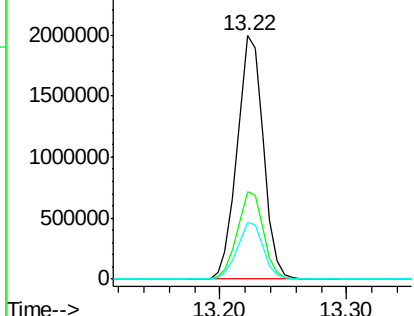
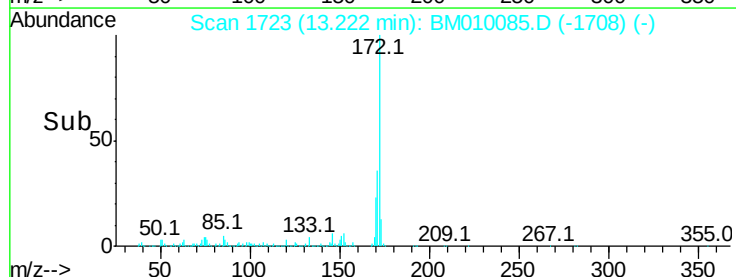


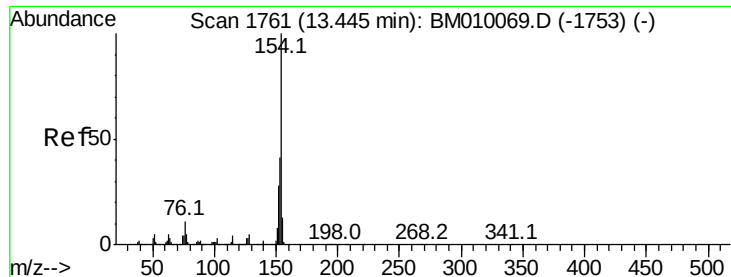
#44
2-Fluorobiphenyl
Concen: 103.44 ng
RT: 13.22 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion:172 Resp: 2830551
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 23.3 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.12 ng

RT: 13.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

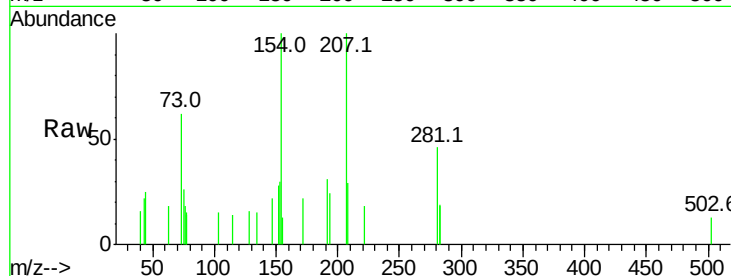
Tot Ion:154 Resp: 3584

Ion Ratio Lower Upper

154 100

153 29.9 20.7 60.7

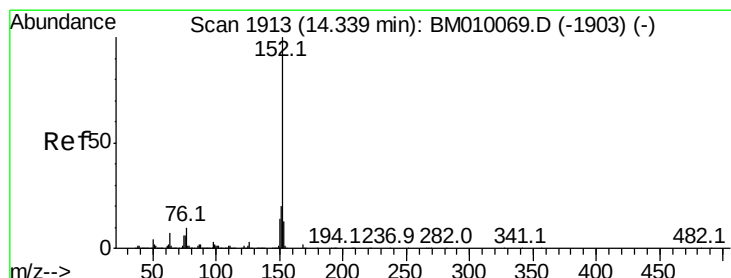
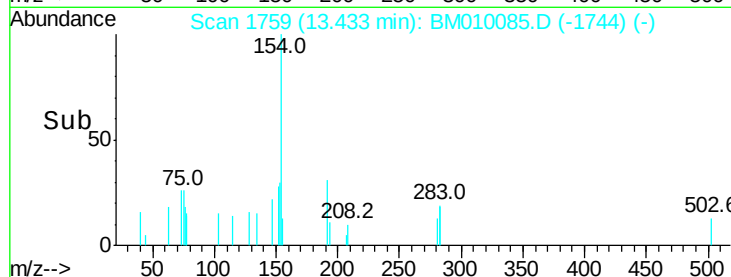
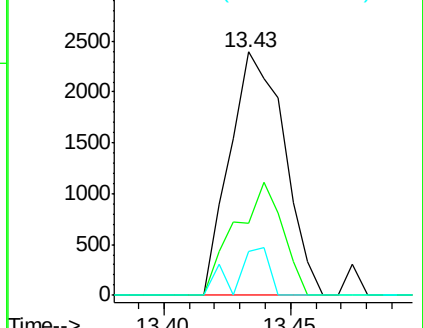
76 18.0 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#48

Acenaphthylene

Concen: 0.01 ng

RT: 14.32 min Scan# 1910

Delta R.T. -0.02 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

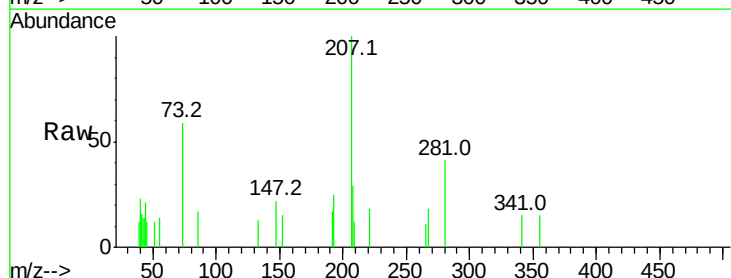
Tgt Ion:152 Resp: 396

Ion Ratio Lower Upper

152 100

151 0.0 15.9 23.9#

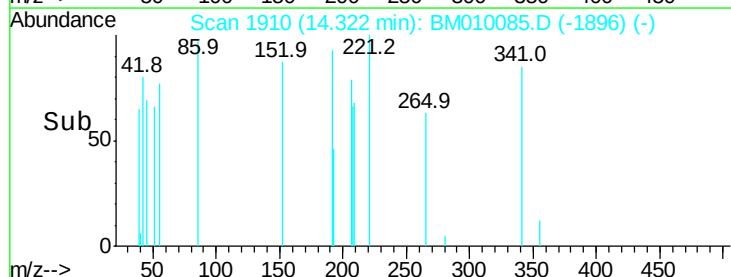
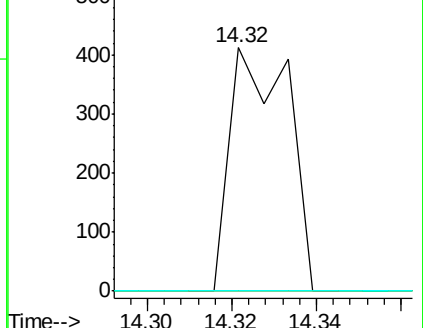
153 0.0 10.6 16.0#

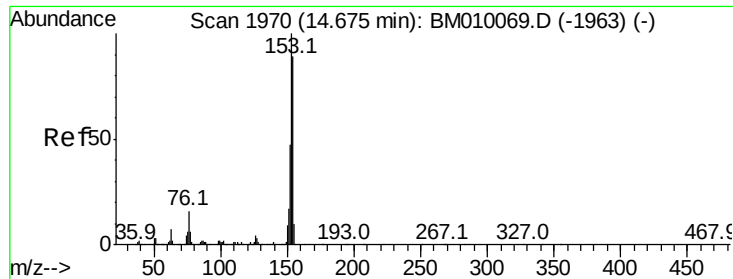


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 0.26 ng

RT: 14.66 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

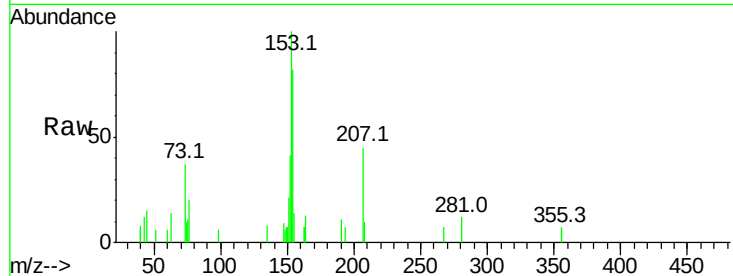
Instrument :

BNA_M

ClientSampleId :

Tot Ion:154 Resp: 5492

Ion	Ratio	Lower	Upper
154	100		
153	121.3	90.0	135.0
152	49.5	42.6	63.8

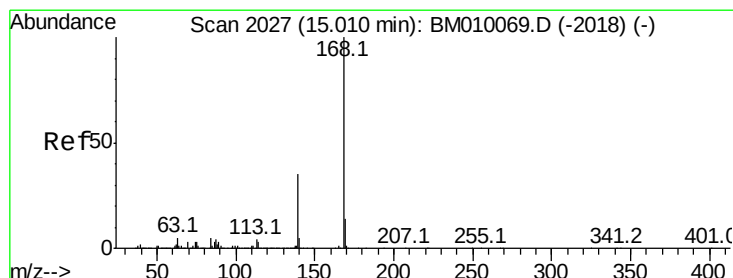
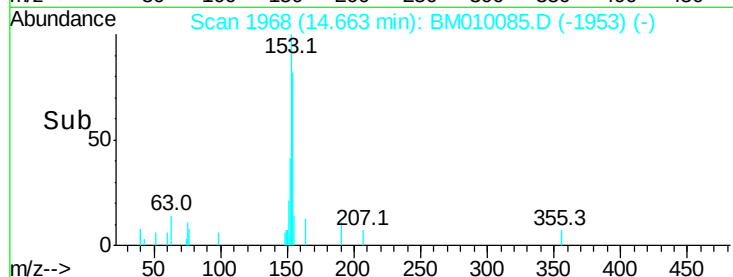
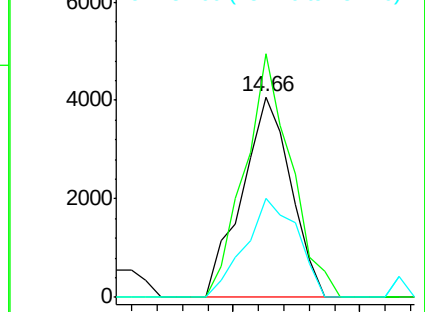


Abundance

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: 0.12 ng

RT: 15.00 min Scan# 2025

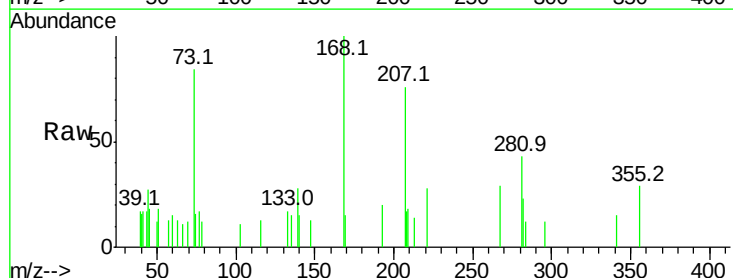
Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:168 Resp: 3940

Ion	Ratio	Lower	Upper
168	100		
139	28.0	27.3	40.9
169	15.1	10.6	16.0

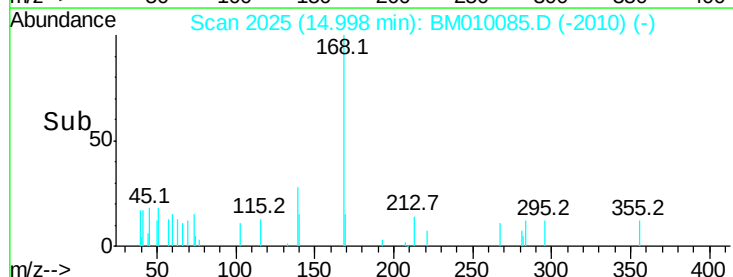
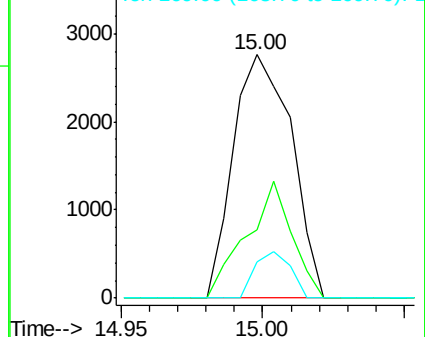


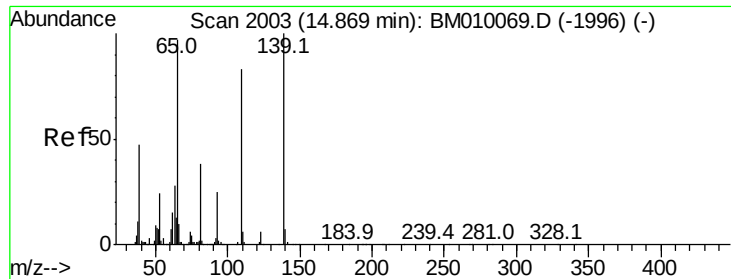
Abundance

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

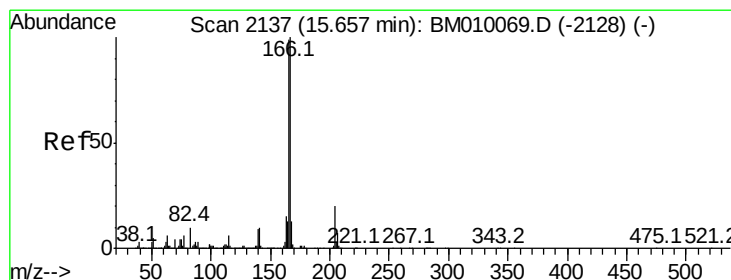
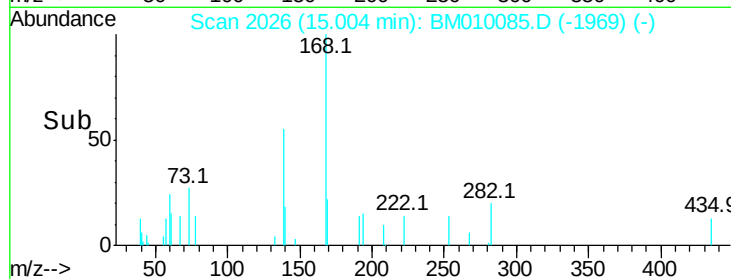
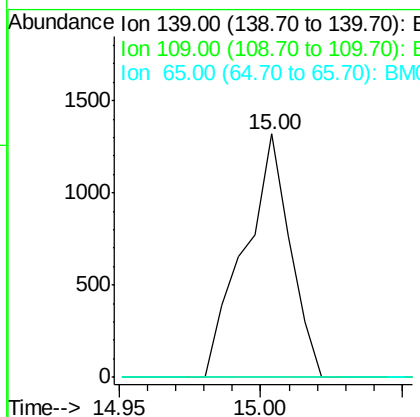
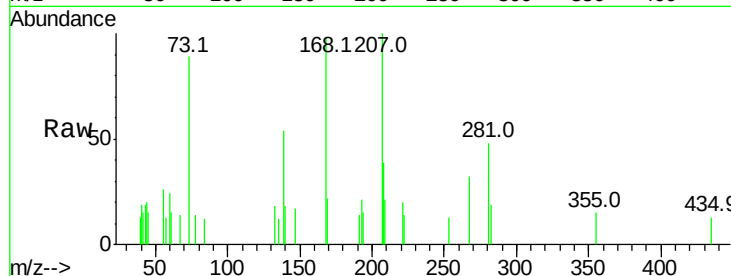




#55
4-Nitrophenol
Concen: 0.33 ng
RT: 15.00 min Scan# 2026
Delta R.T. 0.14 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

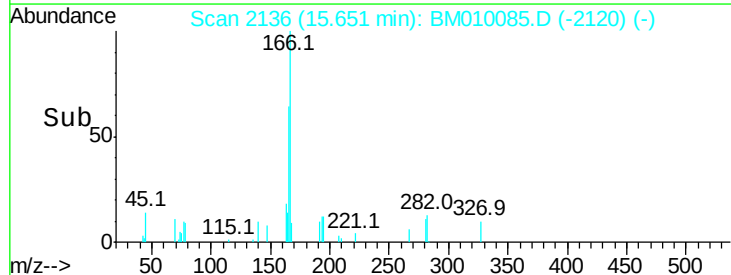
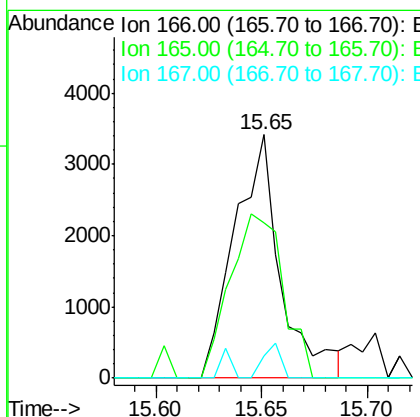
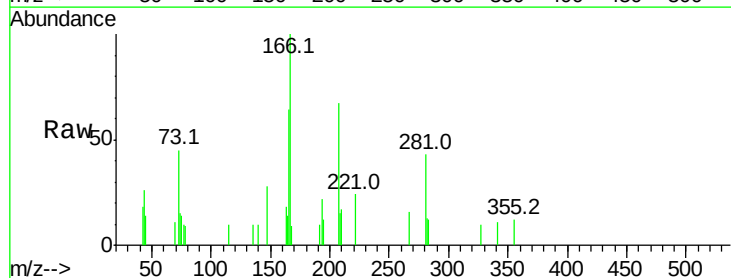
Instrument :
BNA_M
ClientSampleId :

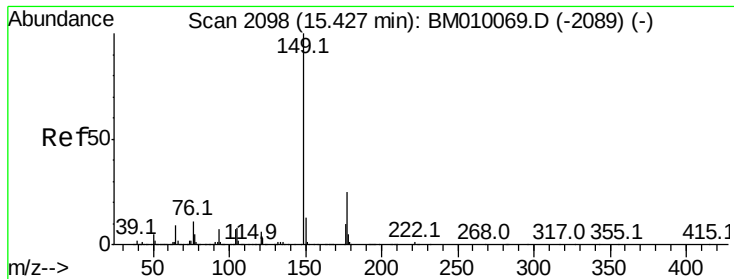
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	37.7	77.7#
65	0.0	49.9	89.9#



#57
Fluorene
Concen: 0.18 ng
RT: 15.65 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	64.0	79.0	118.4#
167	9.2	10.3	15.5#





#59

Diethylphthalate

Concen: 0.02 ng

RT: 15.41 min Scan# 2095

Delta R.T. -0.02 min

Lab File: BM010085.D

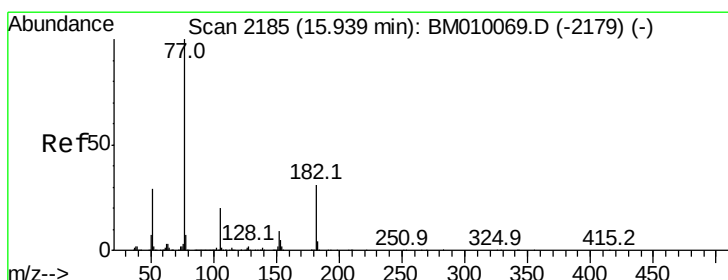
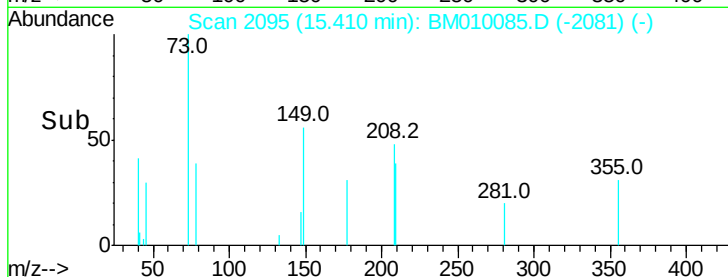
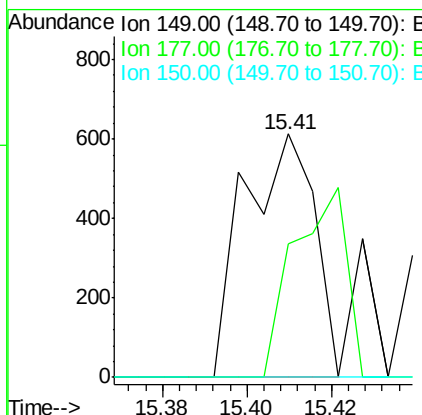
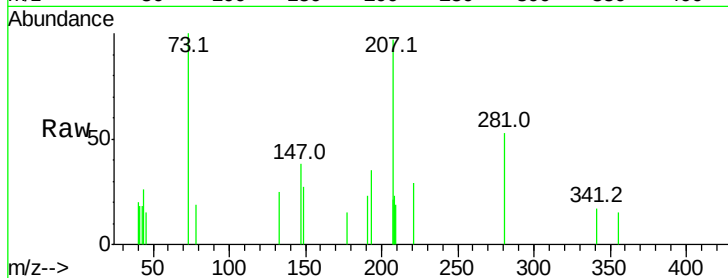
Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

Tot Ion:	149	Resp:	710
Ion	Ratio	Lower	Upper
149	100		
177	55.0	18.3	27.5#
150	0.0	9.8	14.8#



#62

Azobenzene

Concen: 0.05 ng

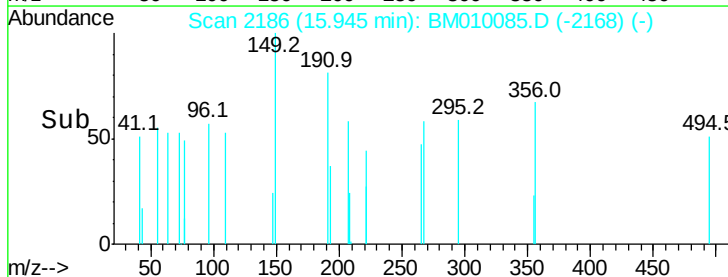
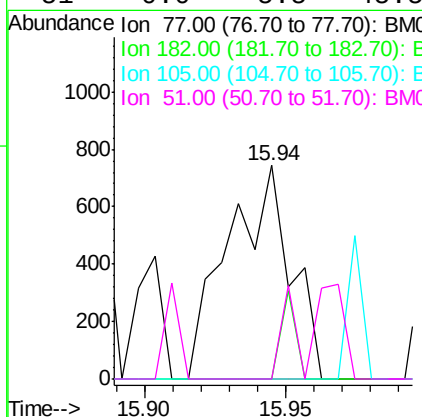
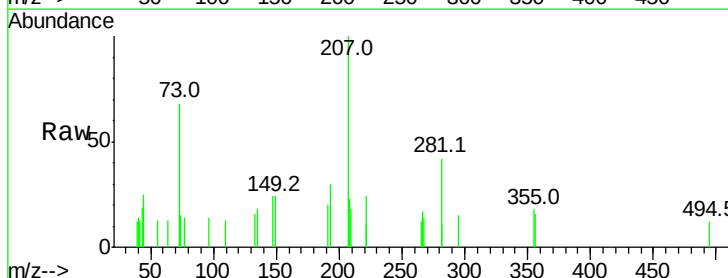
RT: 15.94 min Scan# 2186

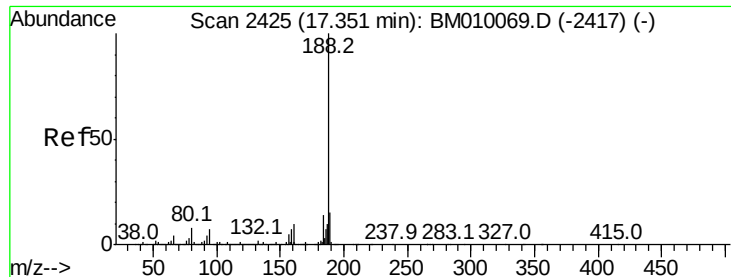
Delta R.T. 0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:	77	Resp:	1154
Ion	Ratio	Lower	Upper
77	100		
182	0.0	6.5	46.5#
105	0.0	3.8	43.8#
51	0.0	5.5	45.5#

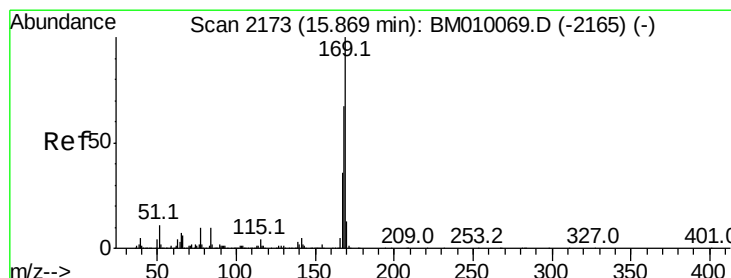
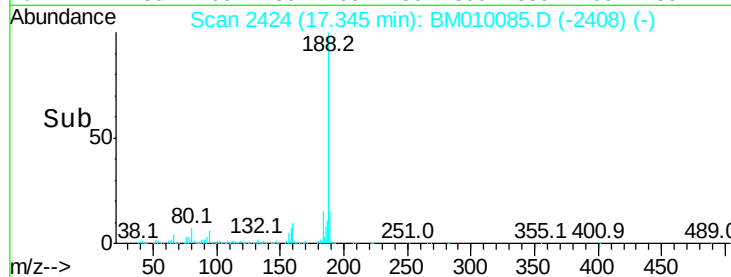
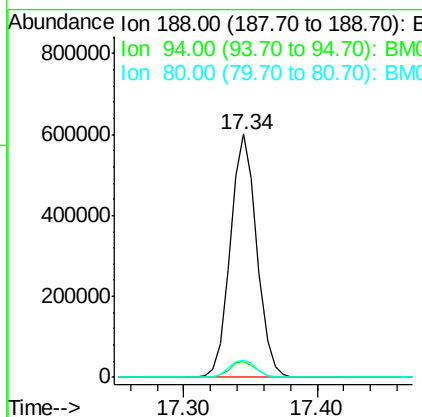
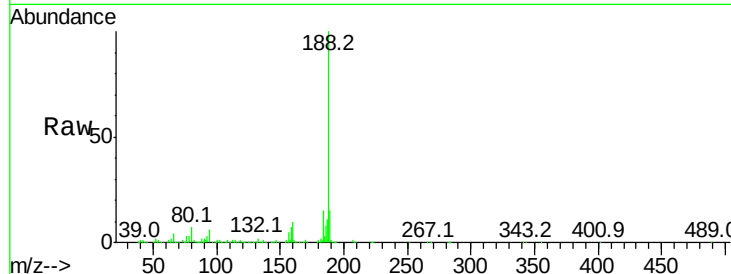




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.34 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

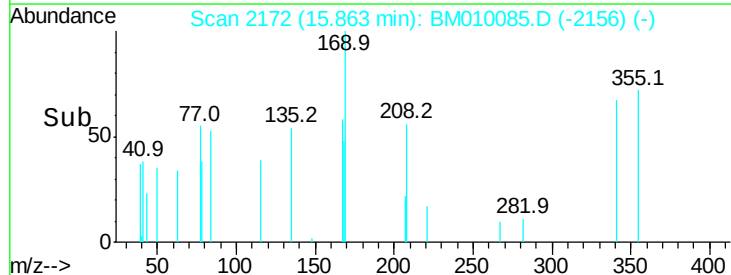
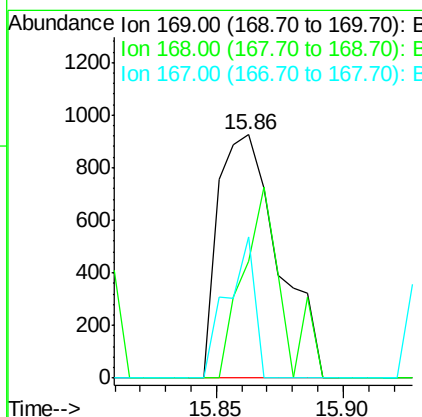
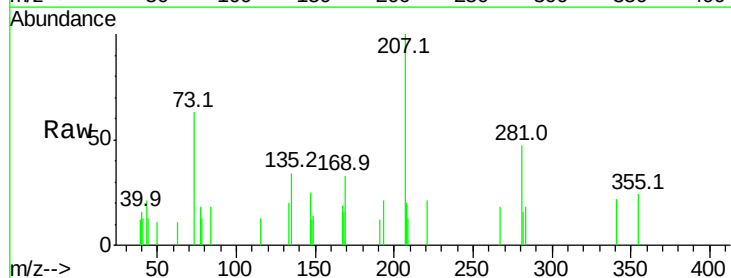
Instrument :
BNA_M
ClientSampleId :

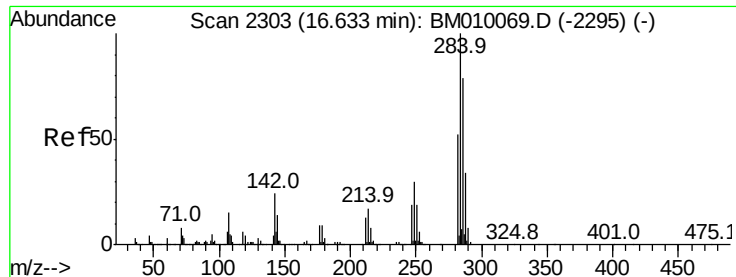
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.4	8.7	13.1#
80	6.9	9.3	13.9#



#65
n-Nitrosodiphenylamine
Concen: 0.06 ng
RT: 15.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion	Ratio	Lower	Upper
169	100		
168	47.9	53.9	80.9#
167	57.9	28.9	43.3#





#67

Hexachlorobenzene

Concen: 0.01 ng

RT: 16.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

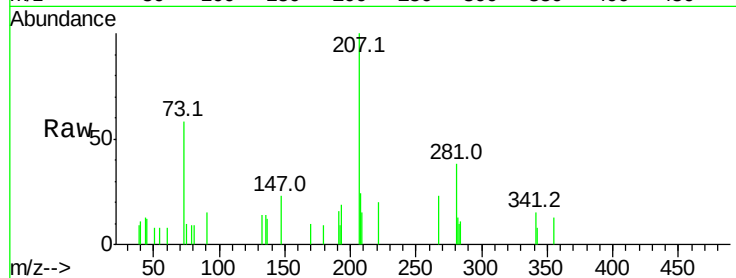
Tot Ion:284 Resp: 137

Ion Ratio Lower Upper

284 100

142 0.0 20.4 30.6#

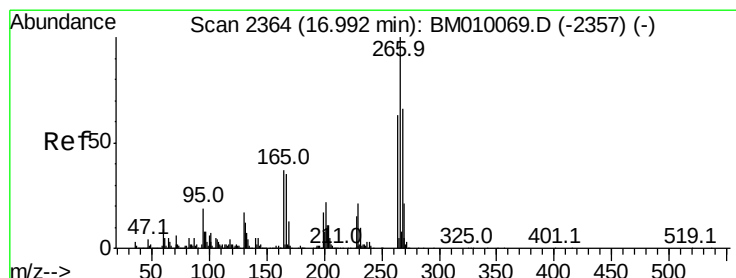
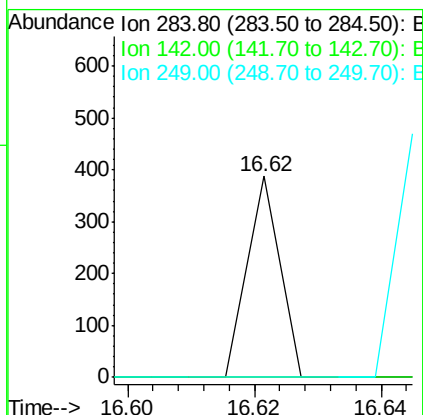
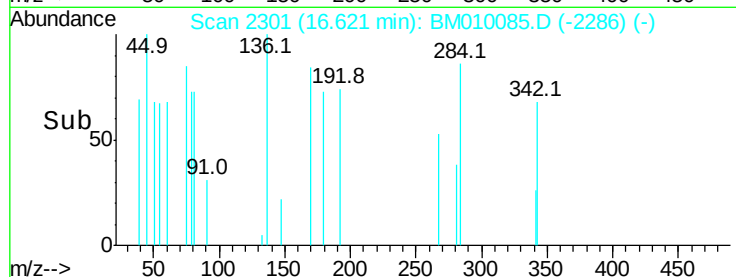
249 0.0 23.8 35.6#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Pentachlorophenol

Concen: 0.02 ng

RT: 16.99 min Scan# 2363

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

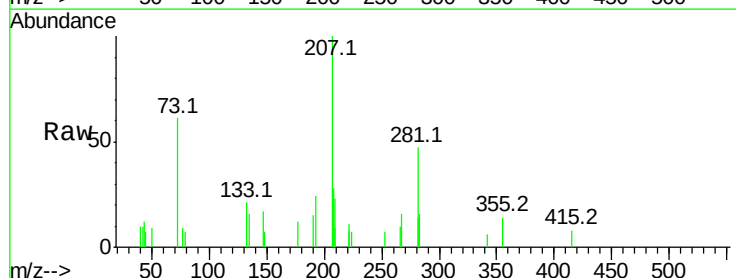
Tgt Ion:266 Resp: 169

Ion Ratio Lower Upper

266 100

268 0.0 52.0 78.0#

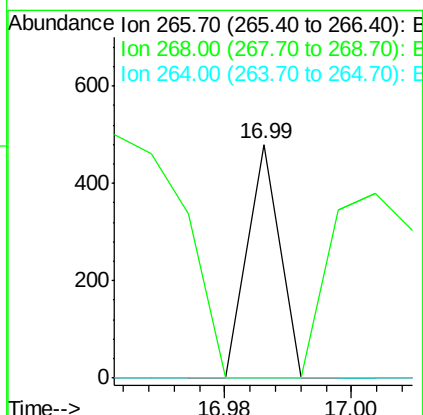
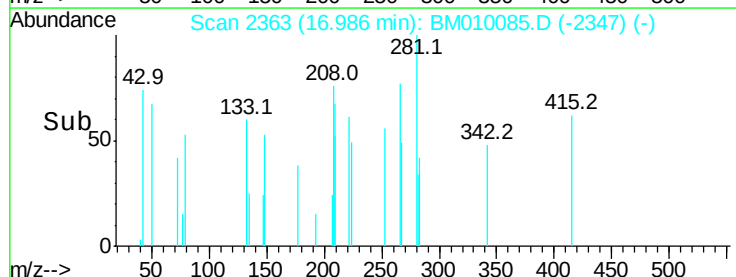
264 0.0 49.0 73.4#

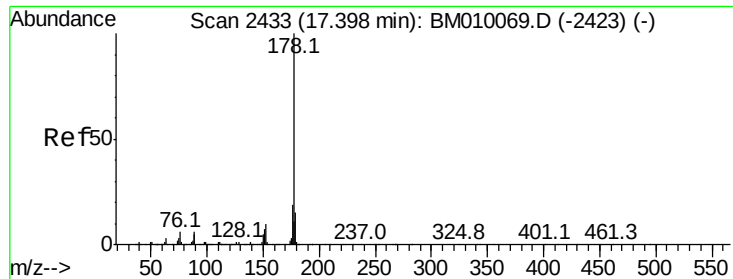


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 0.22 ng

RT: 17.39 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

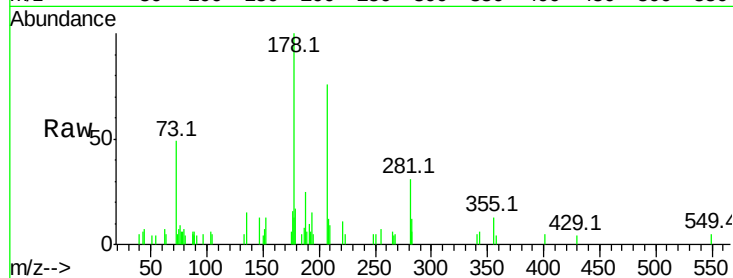
Tot Ion:178 Resp: 10342

Ion Ratio Lower Upper

178 100

176 15.9 15.2 22.8

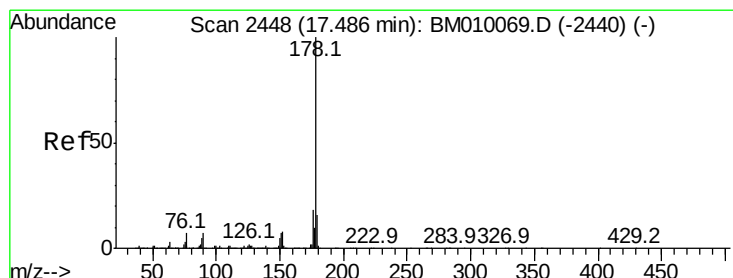
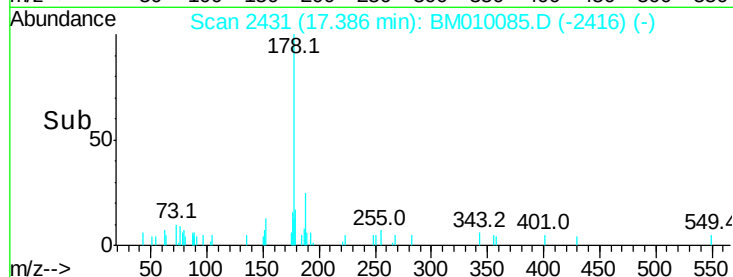
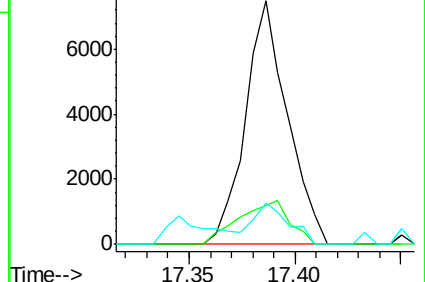
179 17.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.02 ng

RT: 17.49 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

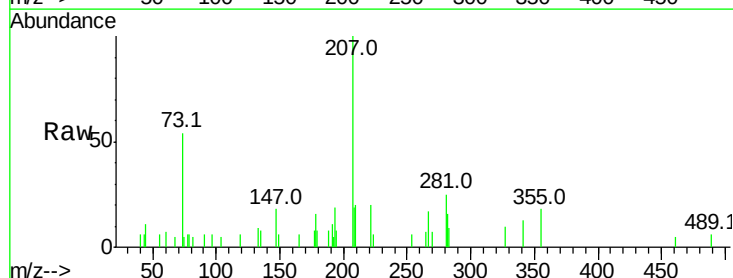
Tgt Ion:178 Resp: 930

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

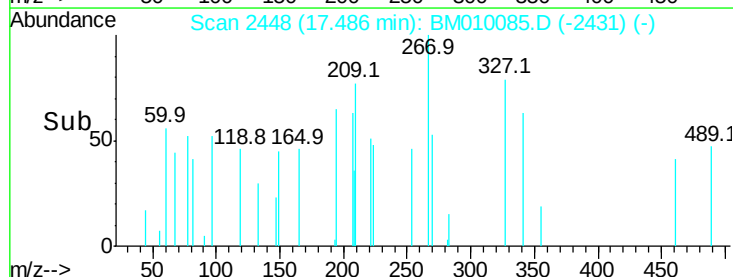
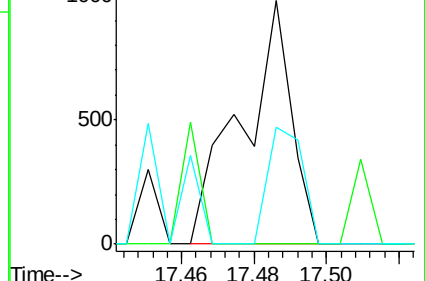
179 47.8 12.6 19.0#

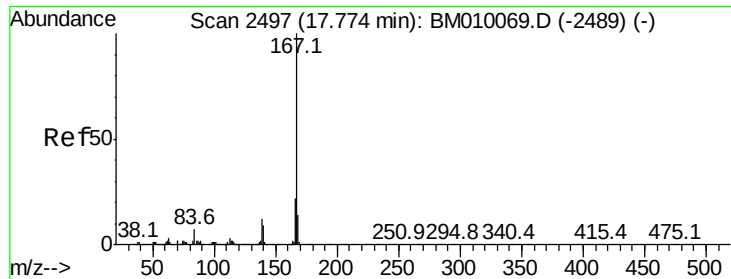


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.16 ng

RT: 17.76 min Scan# 2495

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

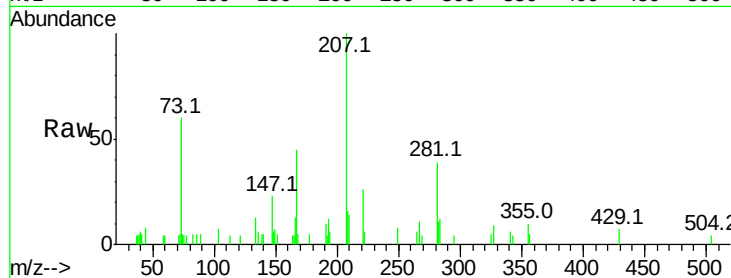
Tot Ion:167 Resp: 6621

Ion Ratio Lower Upper

167 100

166 29.2 17.2 25.8#

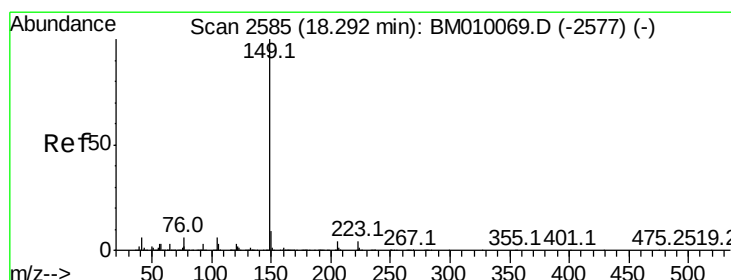
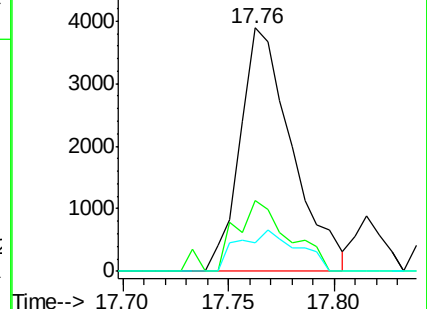
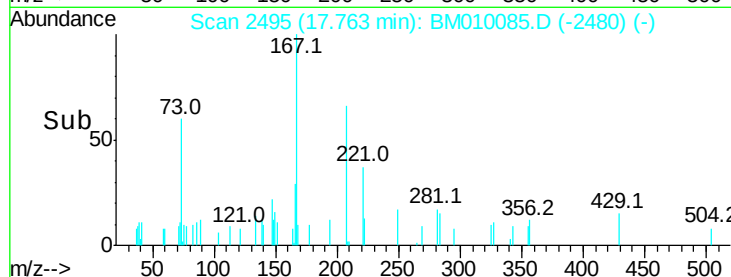
139 11.6 10.8 16.2



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: 0.06 ng

RT: 18.29 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

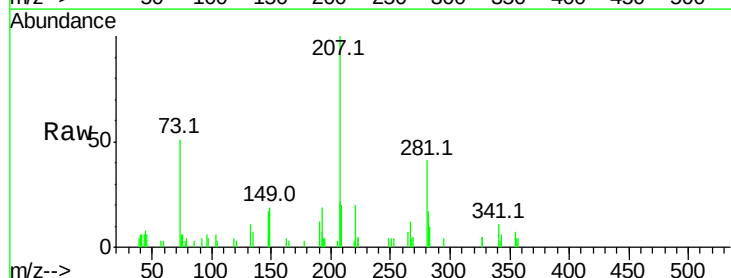
Tgt Ion:149 Resp: 2866

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

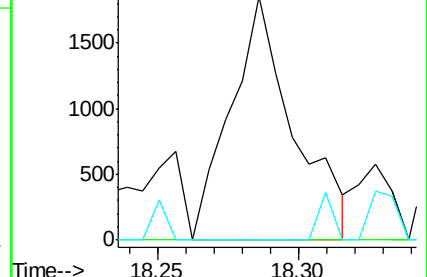
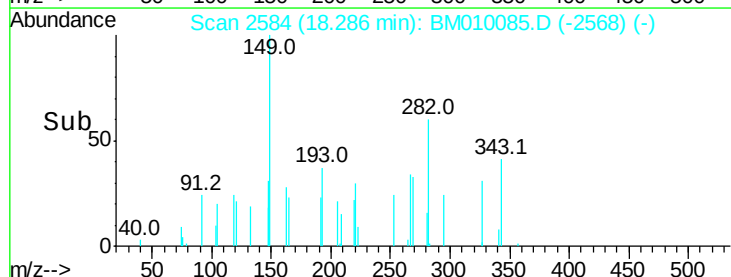
104 0.0 3.7 5.5#

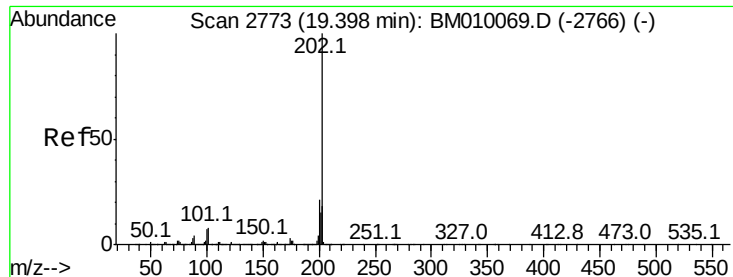


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.03 ng

RT: 19.39 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BM010085.D

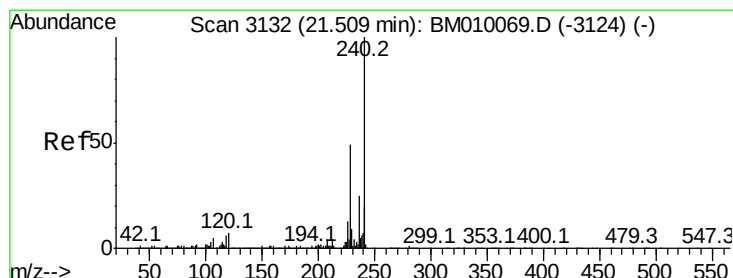
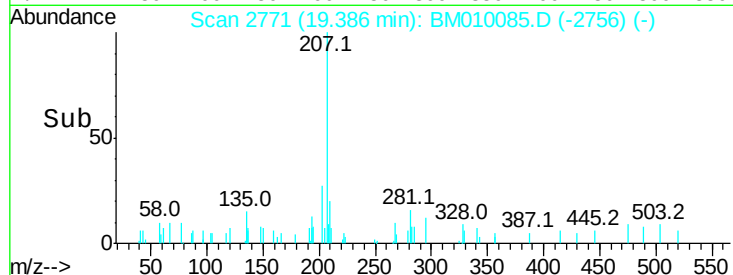
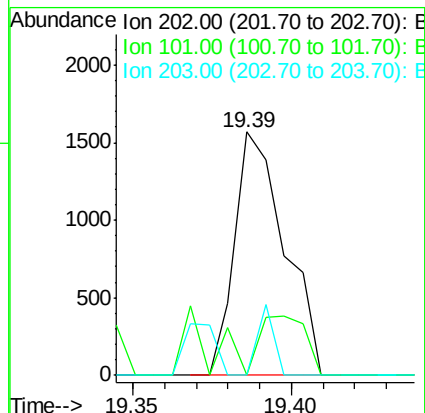
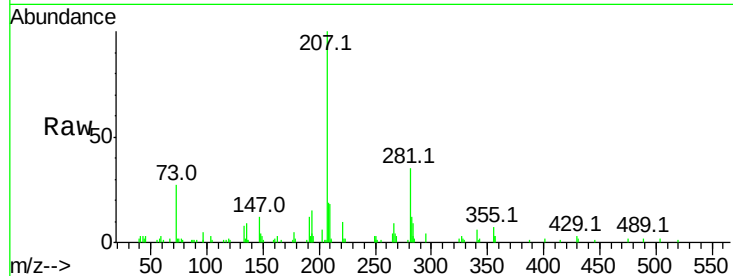
Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	1712
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.7
203	0.0	0.0	37.2



#75

Chrysene-d12

Concen: 20.00 ng

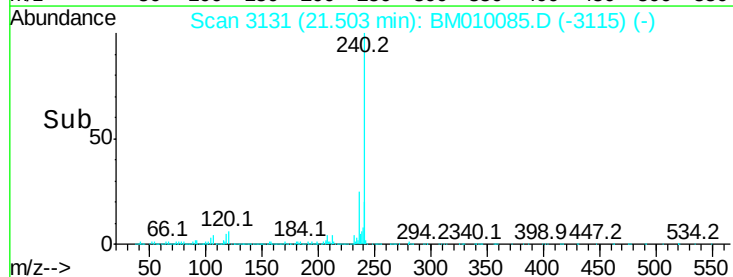
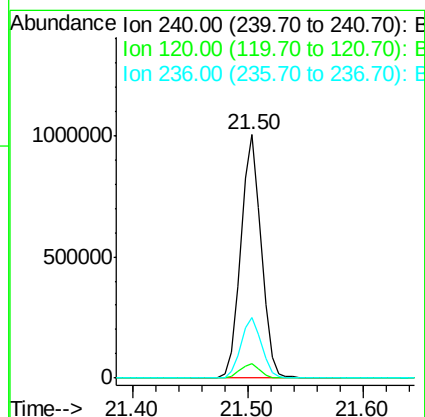
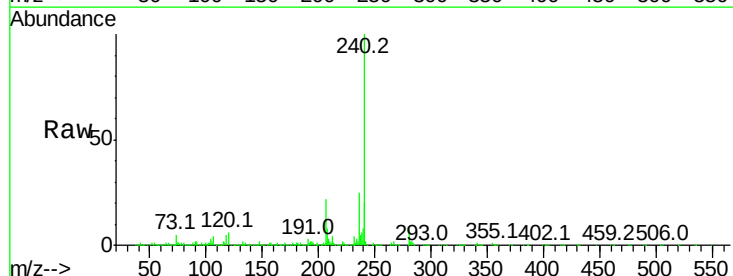
RT: 21.50 min Scan# 3131

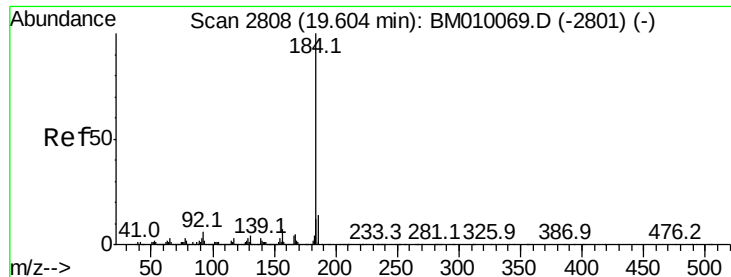
Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:	240	Resp:	1224516
Ion	Ratio	Lower	Upper
240	100		
120	6.1	8.2	12.2#
236	24.7	20.0	30.0





#76

Benzidine

Concen: 0.00 ng

RT: 19.57 min Scan# 2803

Delta R.T. -0.03 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

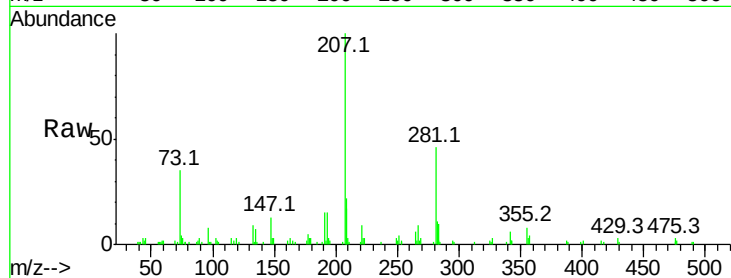
Tot Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

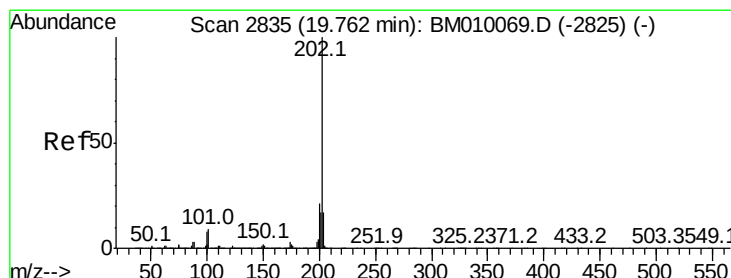
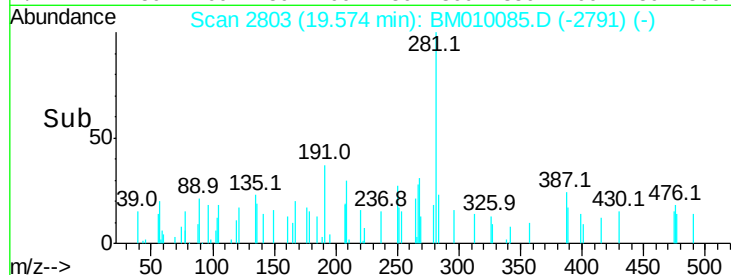
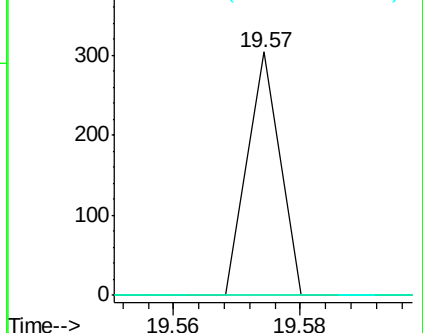
183 0.0 8.9 13.3#



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: 0.03 ng

RT: 19.75 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

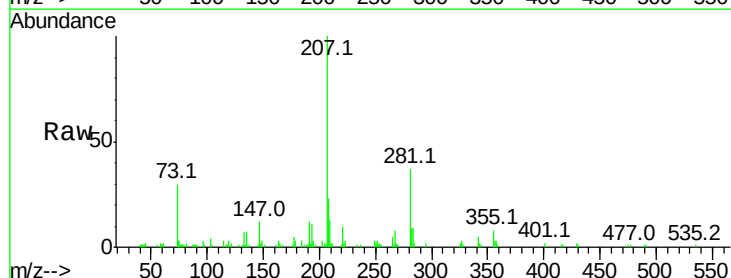
Tgt Ion:202 Resp: 1847

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

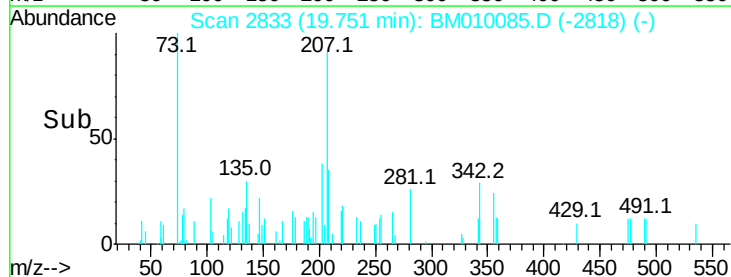
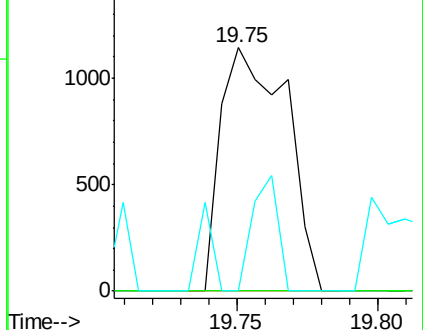
203 0.0 14.1 21.1#

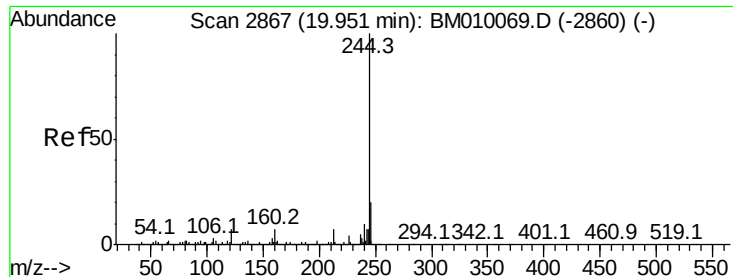


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 87.91 ng

RT: 19.94 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

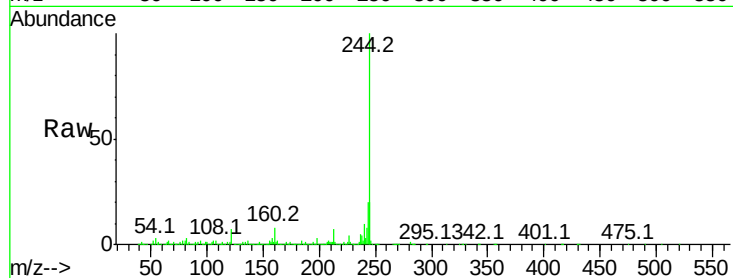
Tot Ion:244 Resp: 4734240

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

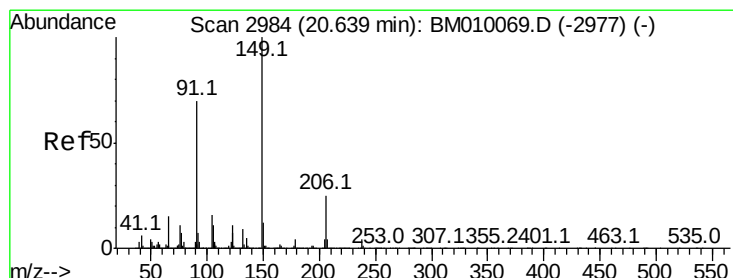
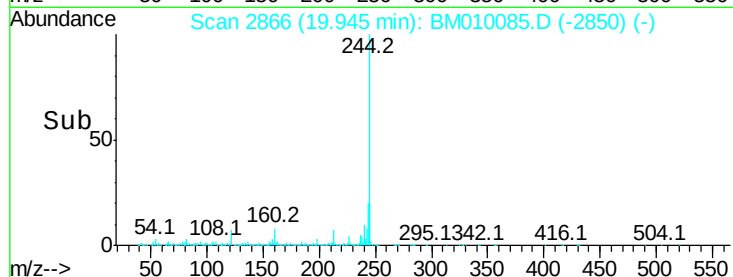
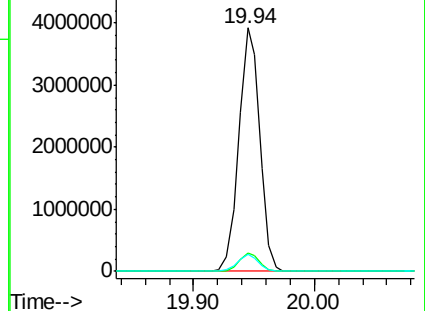
122 7.1 6.2 9.4



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: 0.05 ng

RT: 20.63 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

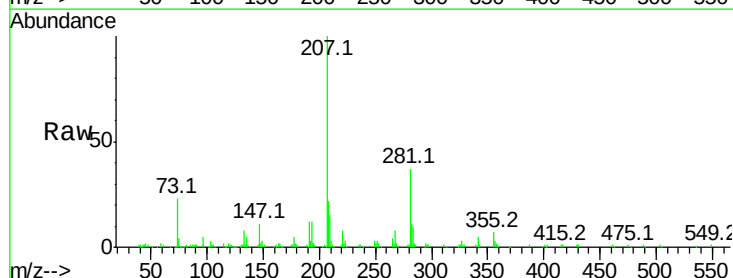
Tgt Ion:149 Resp: 1193

Ion Ratio Lower Upper

149 100

91 34.8 50.1 75.1#

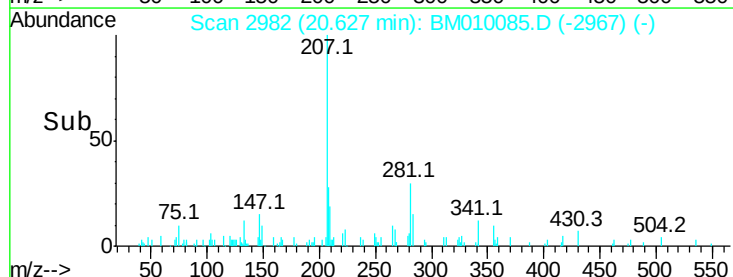
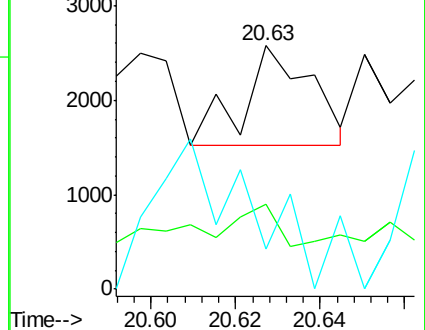
206 16.6 16.2 24.2

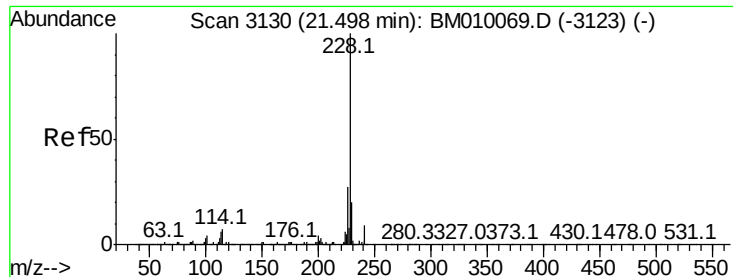


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.50 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

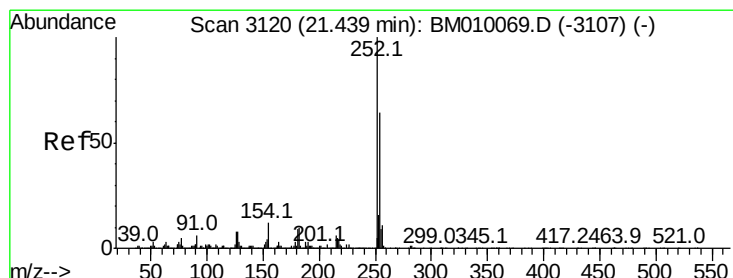
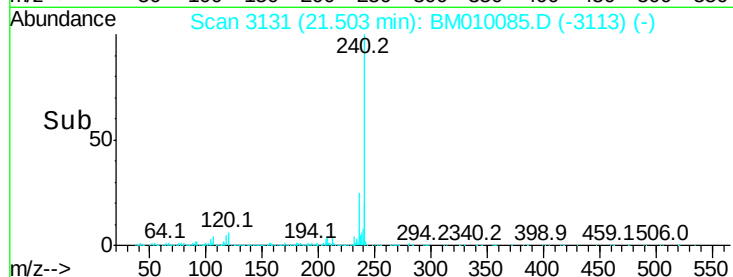
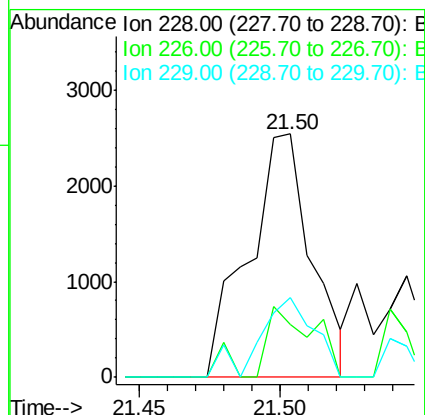
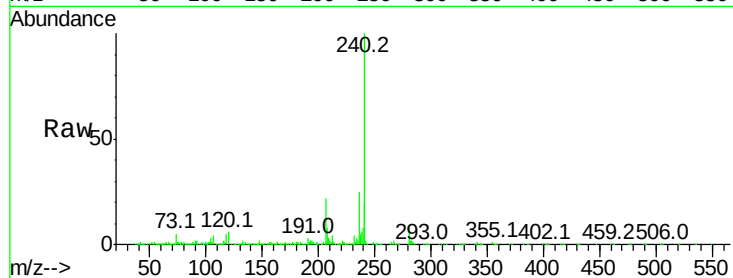
Tot Ion:228 Resp: 3951

Ion	Ratio	Lower	Upper
228	100		
226	21.9	21.7	32.5
229	32.6	16.0	24.0

228 100

226 21.9 21.7 32.5

229 32.6 16.0 24.0#



#81

3,3'-Dichlorobenzidine

Concen: 0.05 ng

RT: 21.44 min Scan# 3121

Delta R.T. 0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

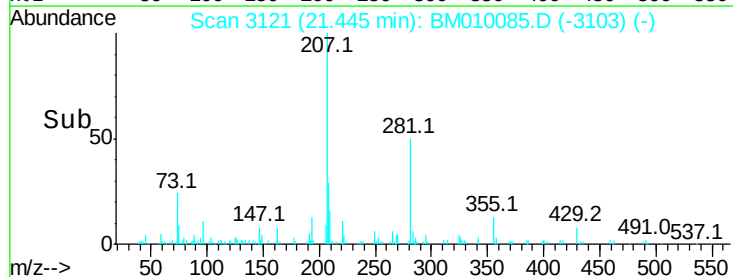
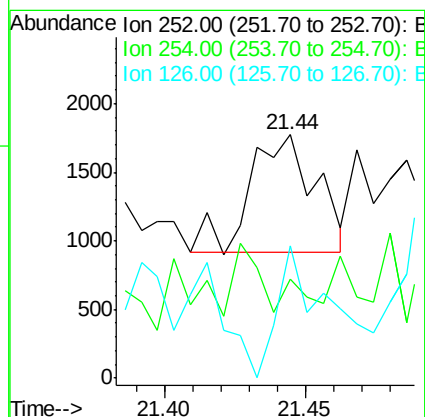
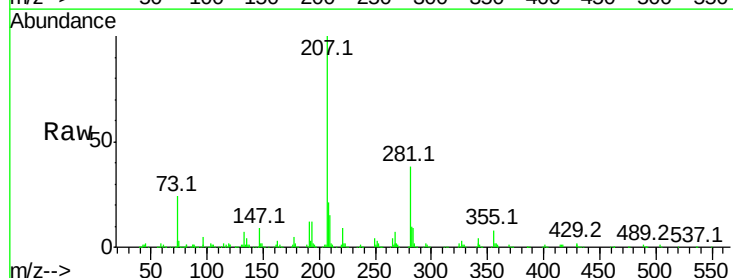
Tgt Ion:252 Resp: 1399

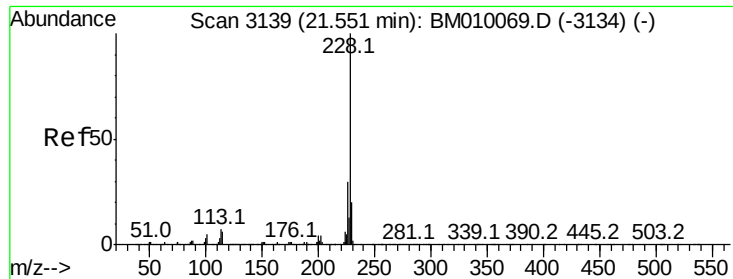
Ion	Ratio	Lower	Upper
252	100		
254	40.6	51.9	77.9
126	54.5	9.8	14.8

252 100

254 40.6 51.9 77.9#

126 54.5 9.8 14.8#





#82

Chrysene

Concen: 0.02 ng

RT: 21.54 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

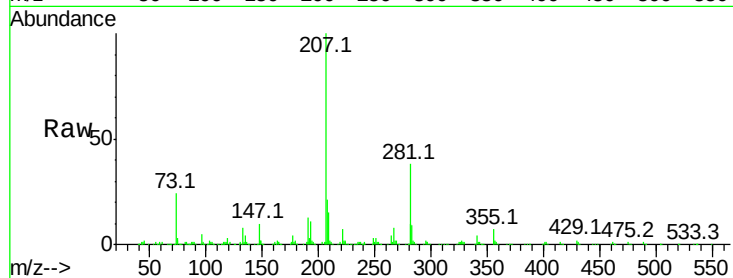
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 997

Ion	Ratio	Lower	Upper
228	100		
226	44.0	24.1	36.1#
229	30.5	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

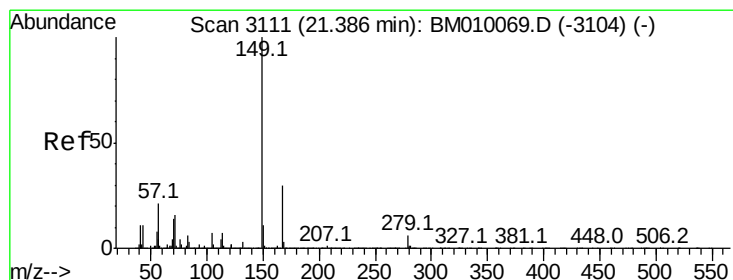
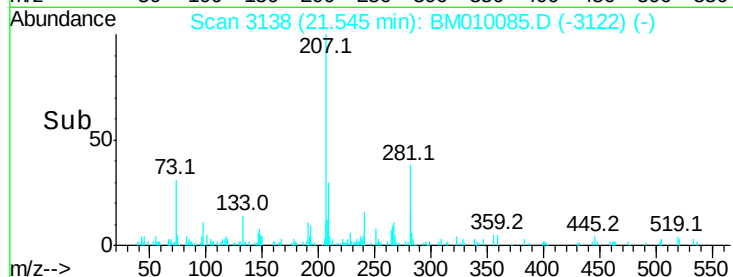
21.54

1000

500

0

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.09 ng

RT: 21.37 min Scan# 3109

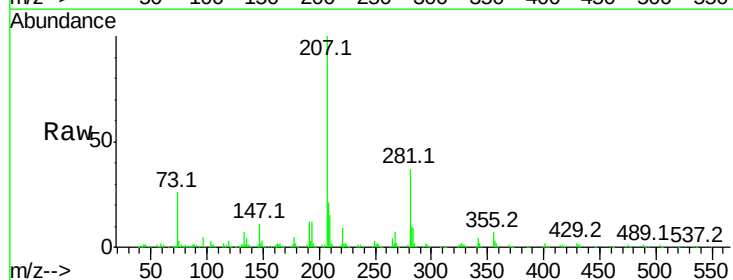
Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:149 Resp: 3427

Ion	Ratio	Lower	Upper
149	100		
167	11.4	22.4	33.6#
279	21.2	3.4	5.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.37

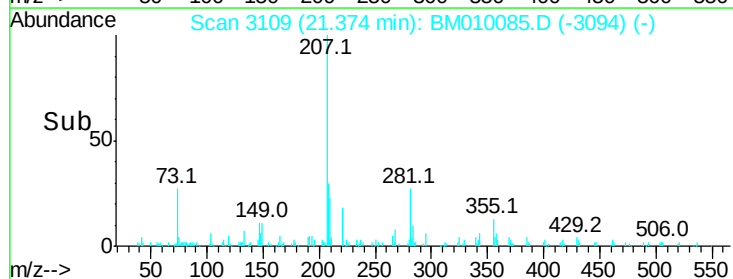
6000

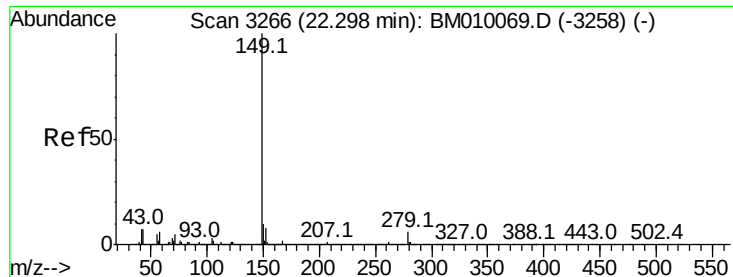
4000

2000

0

Time-->

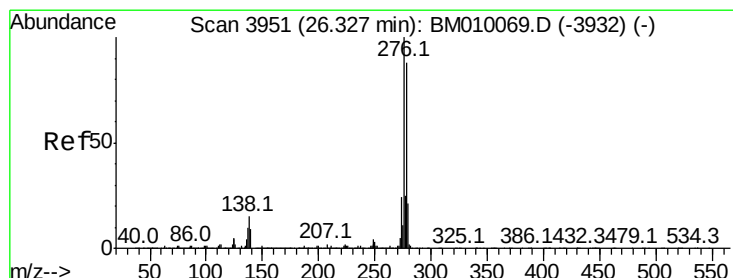
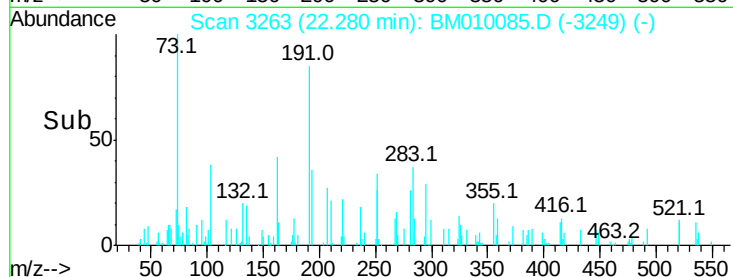
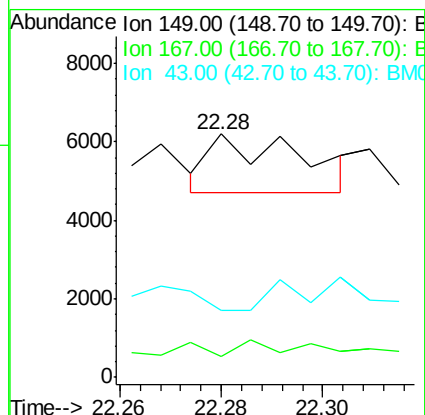
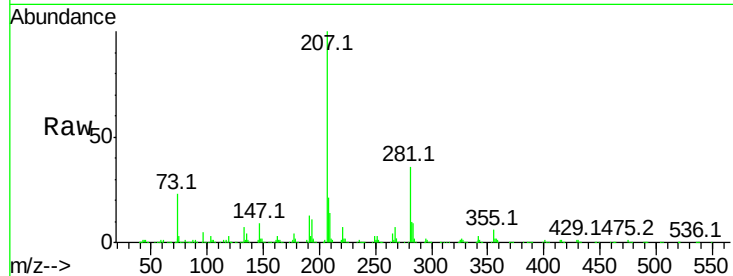




#84
Di-n-octyl phthalate
Concen: 0.03 ng
RT: 22.28 min Scan# 3263
Delta R.T. -0.02 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

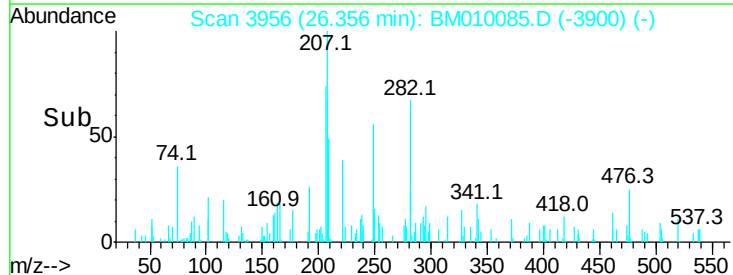
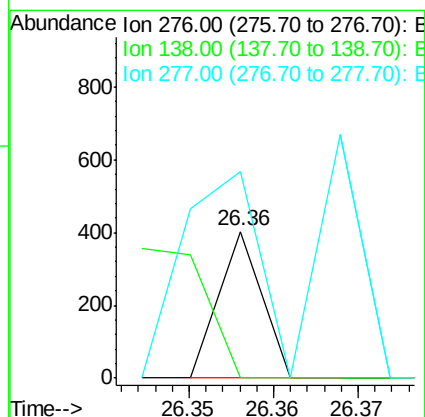
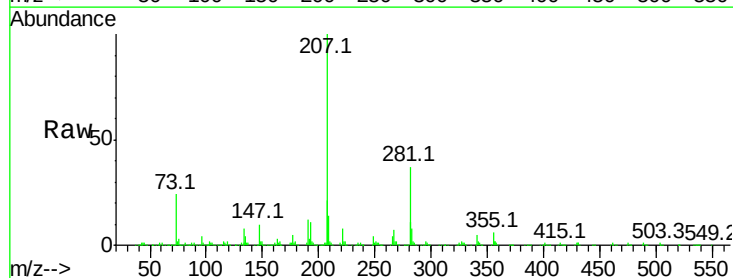
Instrument :
BNA_M
ClientSampleId :

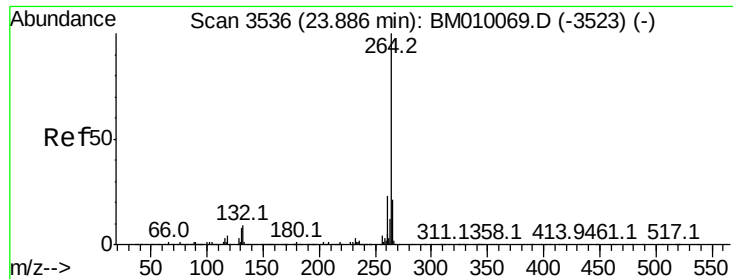
Tot Ion:149 Resp: 1875
Ion Ratio Lower Upper
149 100
167 26.3 1.2 1.8#
43 0.0 7.3 10.9#



#85
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng
RT: 26.36 min Scan# 3956
Delta R.T. 0.03 min
Lab File: BM010085.D
Acq: 20 May 2017 00:50

Tgt Ion:276 Resp: 143
Ion Ratio Lower Upper
276 100
138 0.0 0.0 0.0
277 254.5 0.0 0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 23.87 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

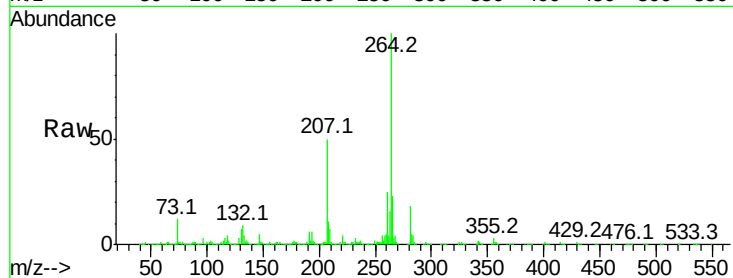
Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 1373840

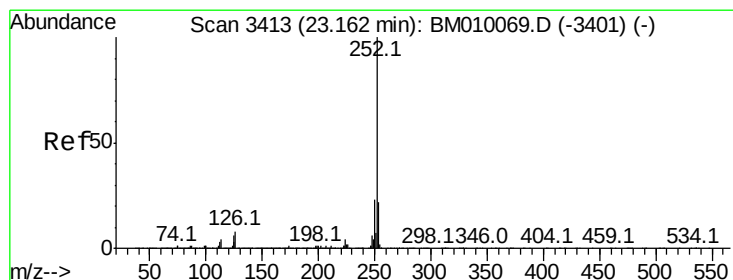
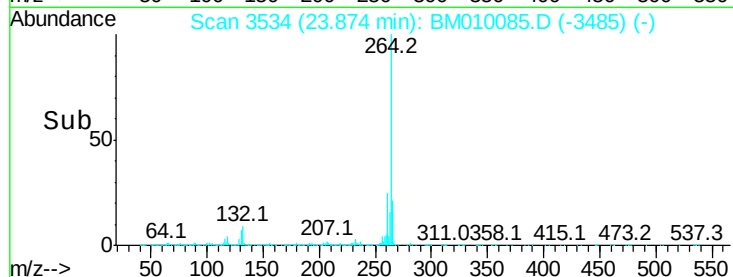
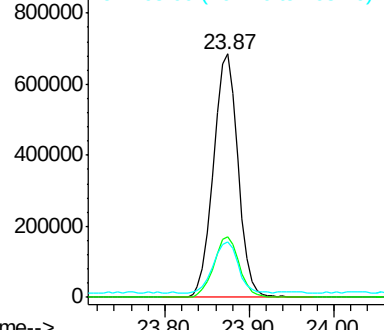
Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	27.8
265	23.0	17.3	25.9



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: 0.01 ng

RT: 23.15 min Scan# 3411

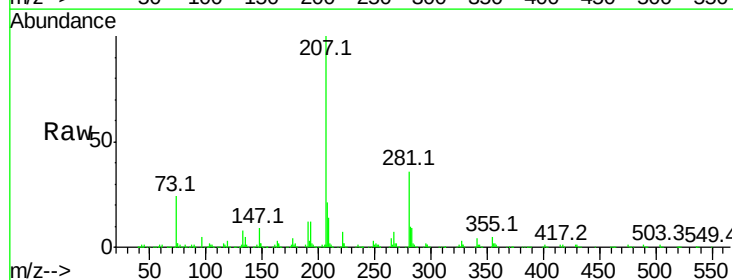
Delta R.T. -0.01 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:252 Resp: 403

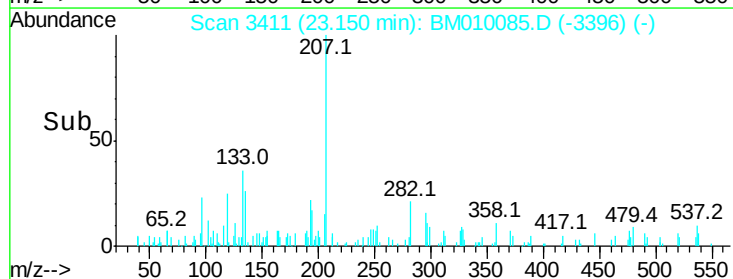
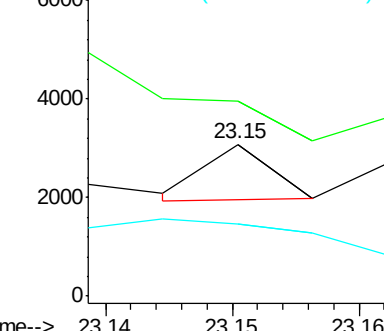
Ion	Ratio	Lower	Upper
252	100		
253	128.6	18.0	27.0#
125	47.7	9.9	14.9#

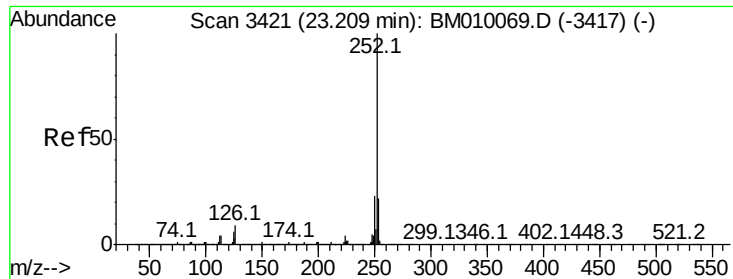


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 23.20 min Scan# 3420

Delta R.T. -0.01 min

Lab File: BM010085.D

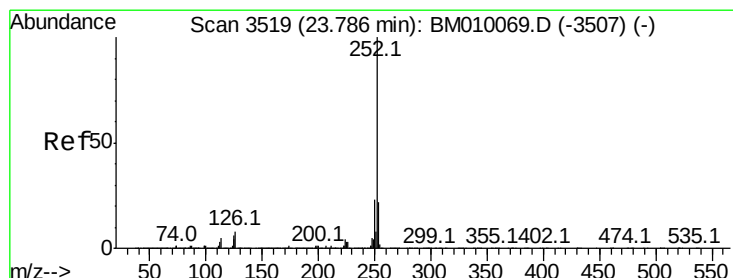
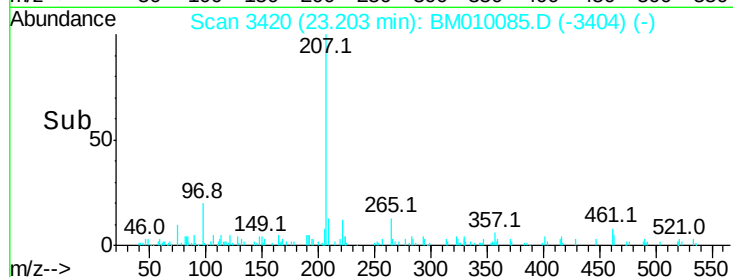
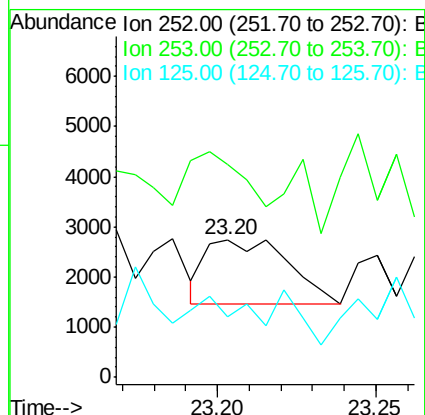
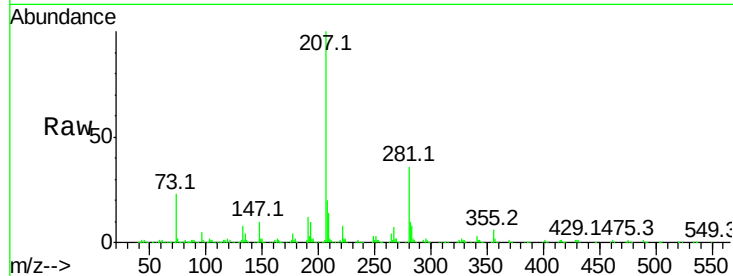
Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	2306
Ion Ratio	Lower	Upper
252	100	
253	155.0	17.2 25.8#
125	43.6	8.1 12.1#



#89

Benzo(a)pyrene

Concen: 0.06 ng

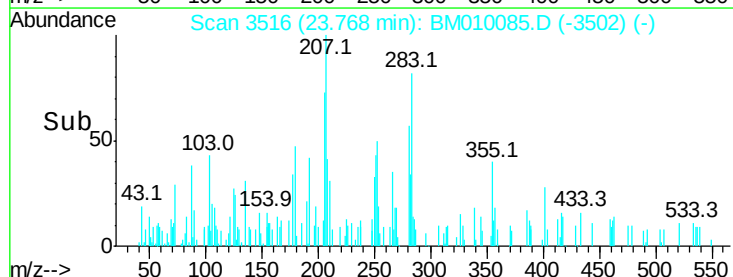
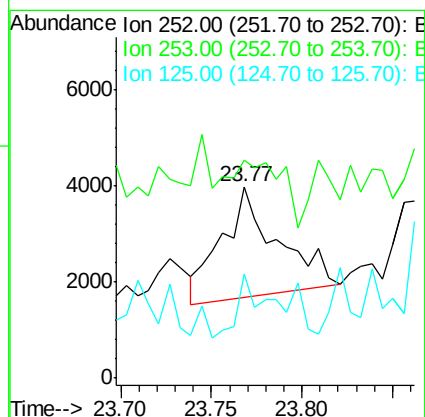
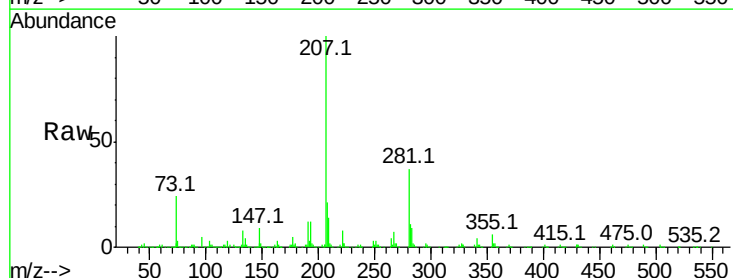
RT: 23.77 min Scan# 3516

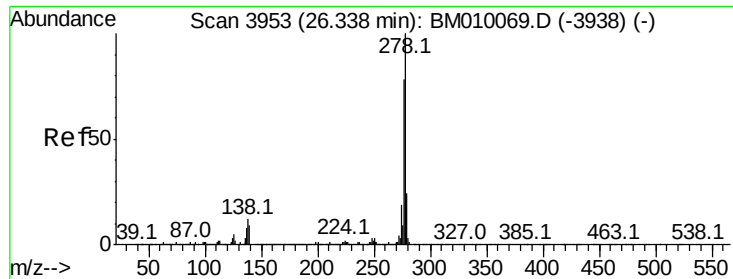
Delta R.T. -0.02 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Tgt Ion:252	Resp:	4976
Ion Ratio	Lower	Upper
252	100	
253	114.1	17.6 26.4#
125	54.4	7.4 11.2#





#90

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.30 min Scan# 3946

Delta R.T. -0.04 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

Instrument :

BNA_M

ClientSampled :

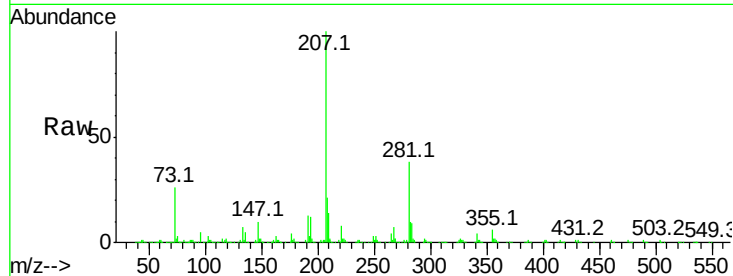
Tot Ion:278 Resp: 1435

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

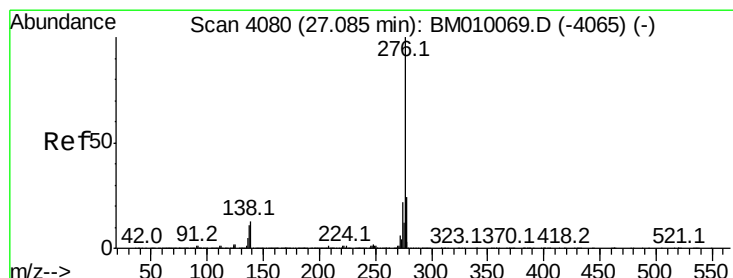
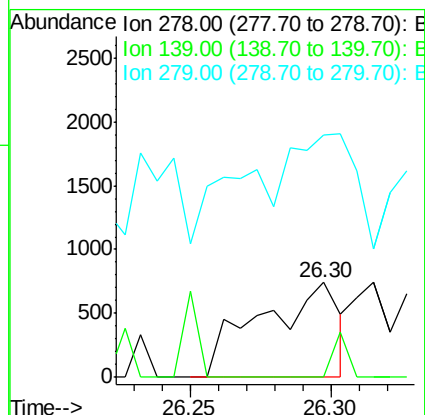
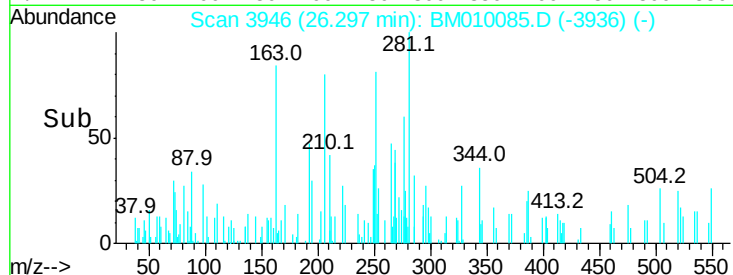
279 255.9 19.0 28.4#



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: 0.04 ng

RT: 27.04 min Scan# 4073

Delta R.T. -0.04 min

Lab File: BM010085.D

Acq: 20 May 2017 00:50

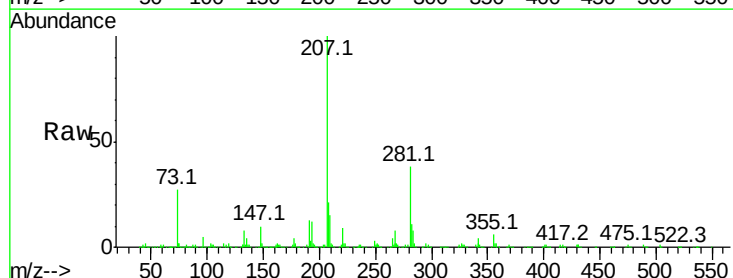
Tgt Ion:276 Resp: 3598

Ion Ratio Lower Upper

276 100

277 44.4 18.5 27.7#

138 23.2 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

