

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000088.D
 Acq On : 15 Feb 2018 10:06
 Operator : JU/SJ
 Sample : PB106006BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB106006BL

Quant Time: Feb 16 05:59:56 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	511242	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	2401482	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	1450316	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	3423242	20.00	ng	0.00
75) Chrysene-d12	21.90	240	3568469	20.00	ng	-0.02
86) Perylene-d12	24.39	264	3807606	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.94	112	4775670	152.24	ng	0.00
7) Phenol-d6	7.59	99	6511143	137.03	ng	0.00
23) Nitrobenzene-d5	9.64	82	3388917	83.90	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1799658	125.36	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	8415476	81.78	ng	-0.01
78) Terphenyl-d14	20.35	244	11741058	88.84	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	206	0.016	ng	# 1
3) Pyridine	4.08	79	114	0.003	ng	# 1
4) n-Nitrosodimethylamine	4.00	42	394	0.035	ng	# 1
6) Aniline	7.59	93	256	0.004	ng	# 1
8) 2-Chlorophenol	8.01	128	1334	0.036	ng	# 1
9) Benzaldehyde	7.59	77	9865	0.334	ng	# 5
10) Phenol	7.59	94	1364	0.027	ng	# 1
11) bis(2-Chloroethyl)ether	7.98	93	7829	0.190	ng	# 1
15) Benzyl Alcohol	8.79	79	57182	1.674	ng	# 35
17) 2-Methylphenol	8.79	107	182	0.005	ng	# 1
20) 3+4-Methylphenols	8.79	107	182	0.004	ng	# 1
22) Acetophenone	9.02	105	122	0.002	ng	# 50
24) Nitrobenzene	9.64	77	11072	0.251	ng	# 34
25) Isophorone	10.14	82	348	0.004	ng	# 69
31) Naphthalene	11.35	128	142	0.001	ng	# 68
45) 1,1'-Biphenyl	13.92	154	19757	0.155	ng	# 97
51) Acenaphthene	15.07	154	6033	0.060	ng	# 5
57) Fluorene	16.54	166	107902	0.928	ng	# 92
59) Diethylphthalate	15.85	149	317	0.003	ng	# 58
61) 4-Nitroaniline	16.54	138	112	0.004	ng	# 1
62) Azobenzene	16.54	77	13449	0.110	ng	# 19
65) n-Nitrosodiphenylamine	16.54	169	74035	0.665	ng	# 43
70) Phenanthrene	17.79	178	1288	0.006	ng	# 1
71) Anthracene	17.79	178	1288	0.007	ng	# 1
72) Carbazole	17.79	167	513	0.003	ng	# 1
73) Di-n-butylphthalate	18.71	149	1048	0.005	ng	# 78
76) Benzidine	20.35	184	203704	1.791	ng	# 91
77) Pyrene	20.35	202	47105	0.208	ng	# 71
80) Benzo(a)anthracene	21.90	228	9570	0.044	ng	# 68
81) 3,3'-Dichlorobenzidine	21.79	252	124	0.002	ng	# 26
82) Chrysene	21.95	228	622	0.003	ng	# 50
85) Indeno(1,2,3-cd)pyrene	26.96	276	116	0.000	ng	# 53
87) Benzo(b)fluoranthene	23.63	252	1019	0.005	ng	# 1
88) Benzo(k)fluoranthene	23.69	252	795	0.004	ng	# 28

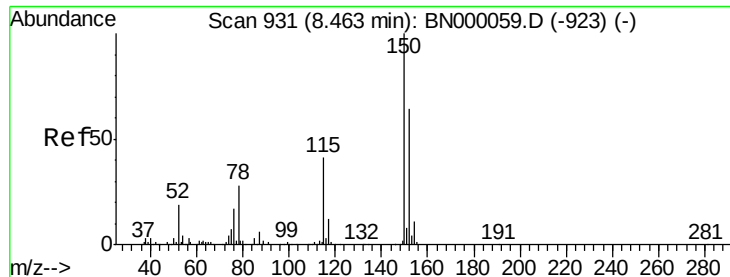
Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	24.40	252	14888	0.070	ng	# 79
90) Dibenzo(a,h)anthracene	26.95	278	110	0.000	ng	# 58
91) Benzo(g,h,i)perylene	27.72	276	110	0.000	ng	# 56

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

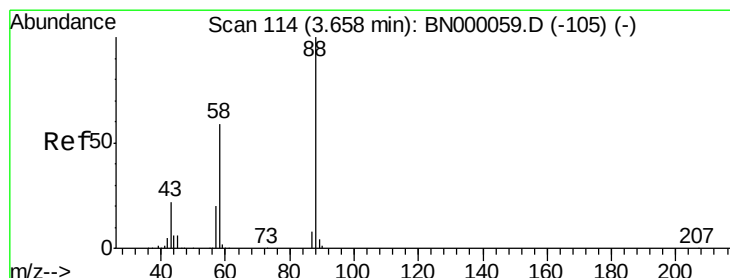
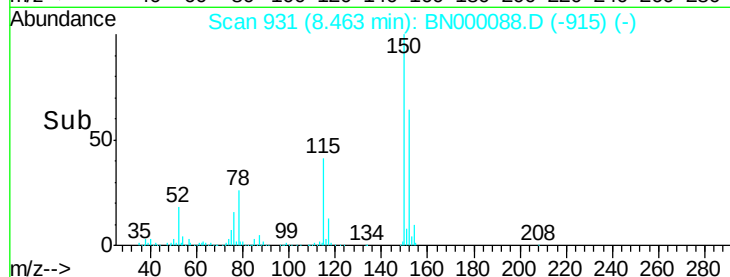
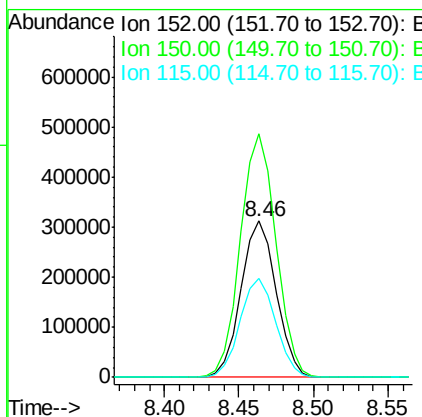
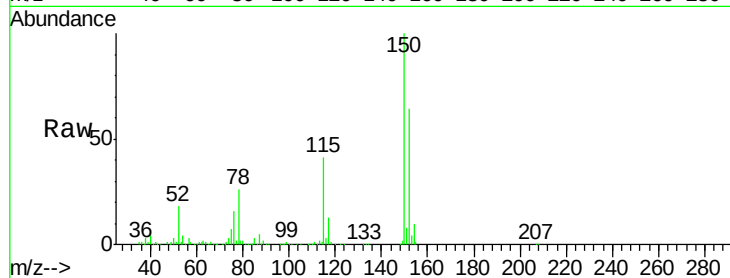


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Instrument :
BNA_N
ClientSampleId :
PB106006BL

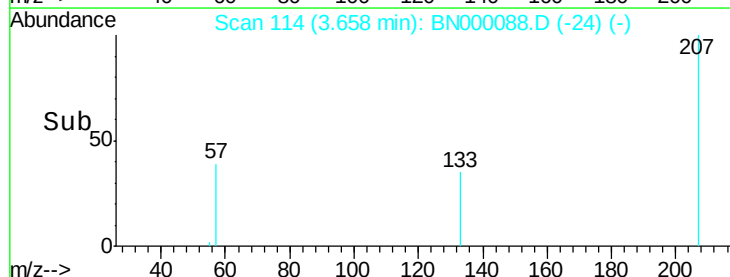
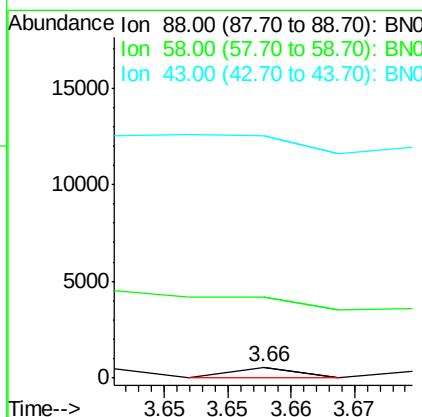
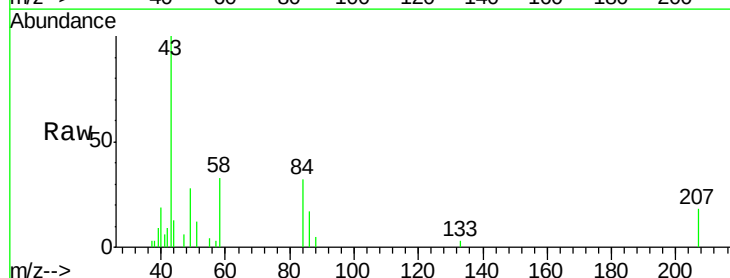
Tot Ion:152 Resp: 511242
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 63.4 53.0 79.4

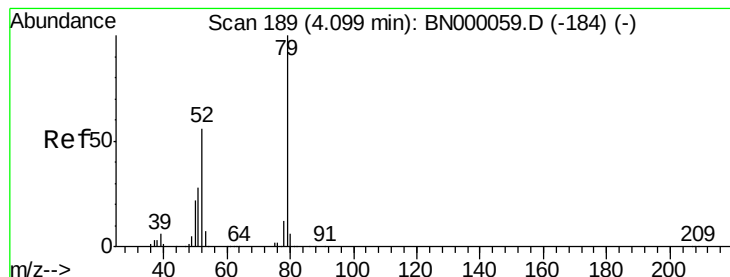


#2

1,4-Dioxane
Concen: 0.016 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
58 393.2 52.0 78.0#
43 2117.0 20.0 30.0#





#3

Pvridine

Concen: 0.003 ng

RT: 4.08 min Scan# 186

Delta R.T. -0.02 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

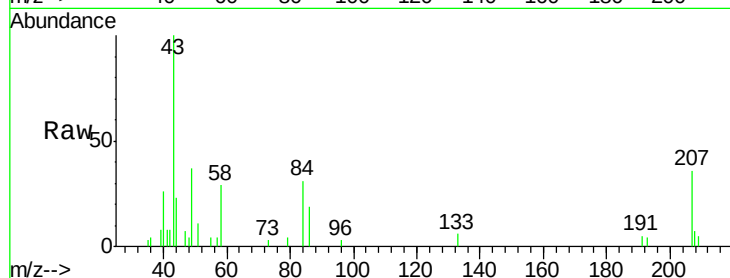
Tot Ion: 79 Resp: 114

Ion Ratio Lower Upper

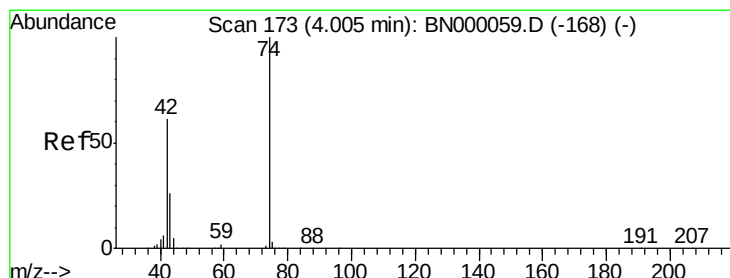
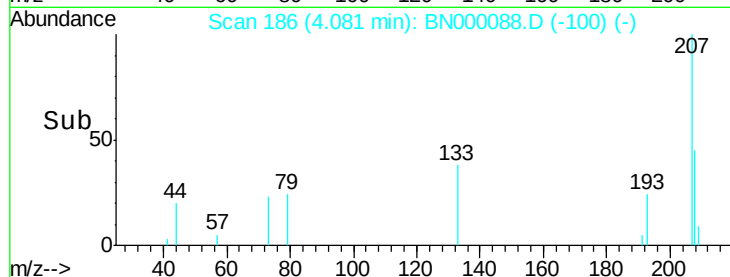
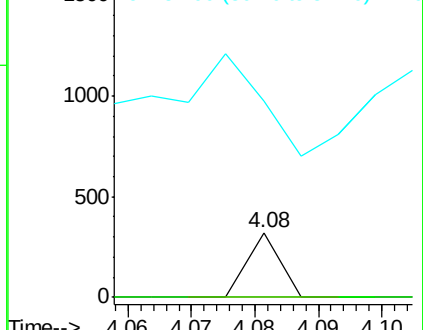
79 100

52 0.0 44.0 66.0#

51 302.8 24.0 36.0#



Abundance Ion 79.00 (78.70 to 79.70): BN0
Ion 52.00 (51.70 to 52.70): BN0
Ion 51.00 (50.70 to 51.70): BN0



#4

n-Nitrosodimethylamine

Concen: 0.035 ng

RT: 4.00 min Scan# 173

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

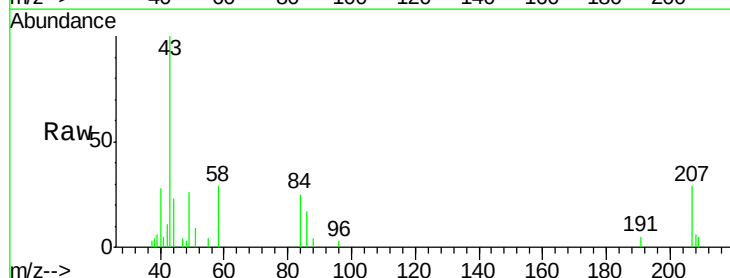
Tgt Ion: 42 Resp: 394

Ion Ratio Lower Upper

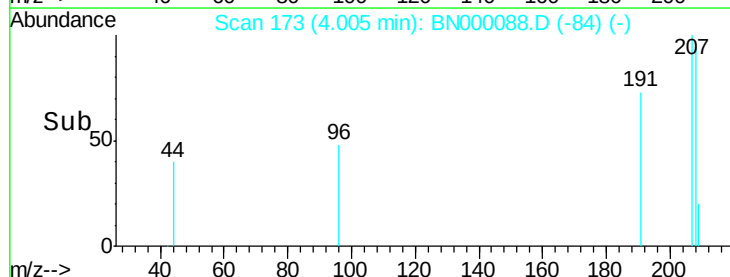
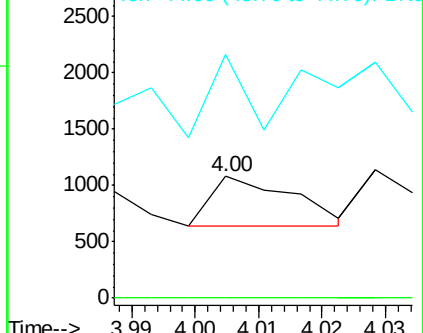
42 100

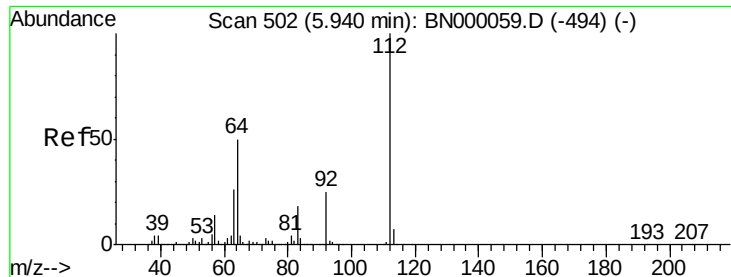
74 0.0 128.0 192.0#

44 199.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0

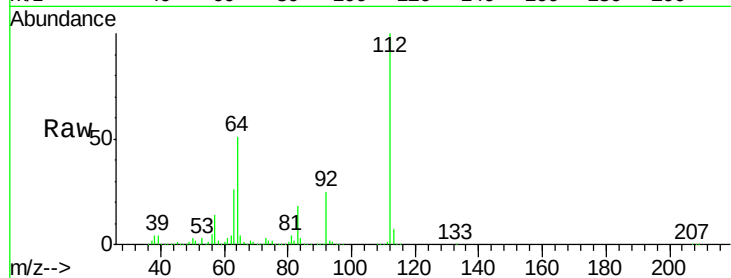




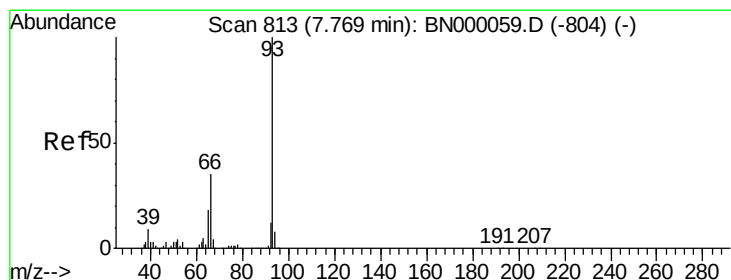
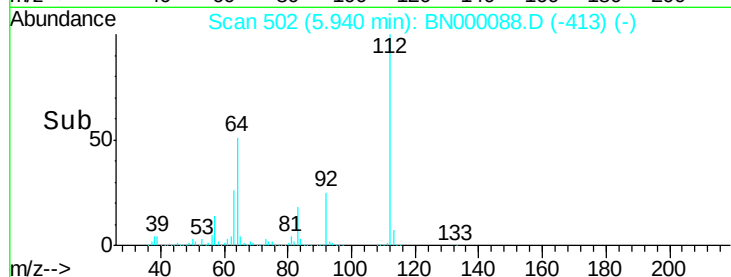
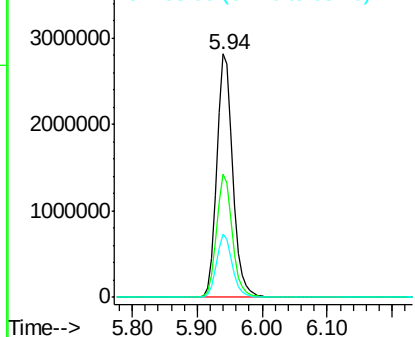
#5
2-Fluorophenol
Concen: 152.242 ng
RT: 5.94 min Scan# 502
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Instrument :
BNA_N
ClientSampleId :
PB106006BL

Tot Ion:112 Resp: 4775670
Ion Ratio Lower Upper
112 100
64 50.6 56.3 84.5#
63 25.9 30.1 45.1#

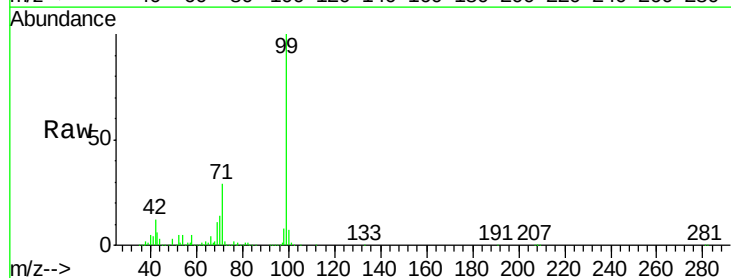


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC

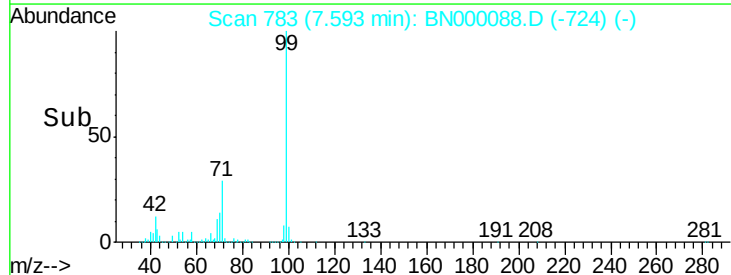
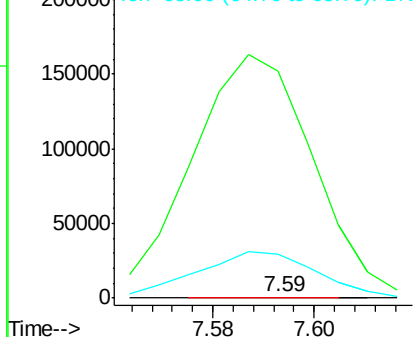


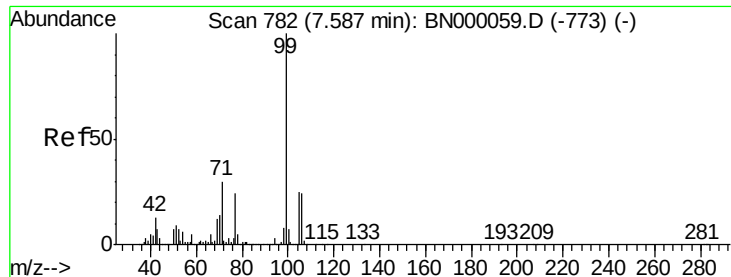
#6
Aniline
Concen: 0.004 ng
RT: 7.59 min Scan# 783
Delta R.T. -0.18 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion: 93 Resp: 256
Ion Ratio Lower Upper
93 100
66 37969.1 33.7 50.5#
65 7439.4 16.1 24.1#



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 66.00 (65.70 to 66.70): BNC
Ion 65.00 (64.70 to 65.70): BNC





#7

Phenol-d6

Concen: 137.029 ng

RT: 7.59 min Scan# 782

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

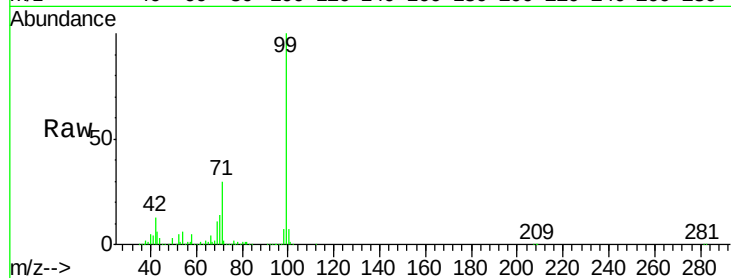
Tot Ion: 99 Resp: 6511143

Ion Ratio Lower Upper

99 100

42 12.6 14.1 21.1#

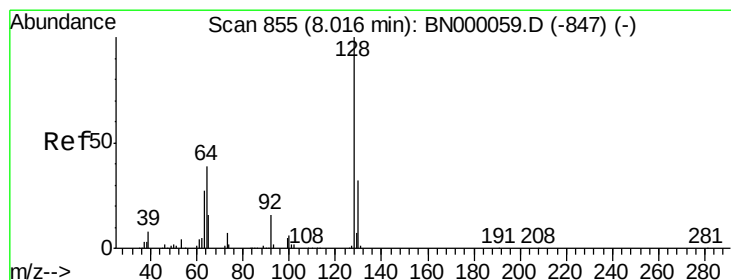
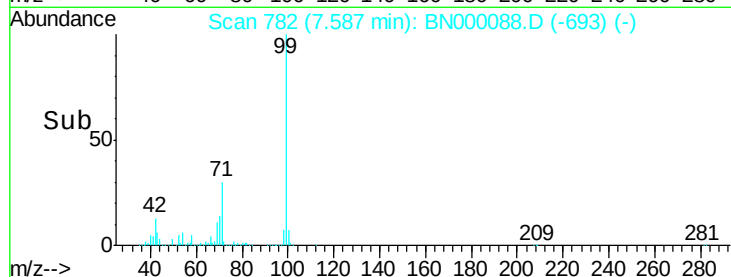
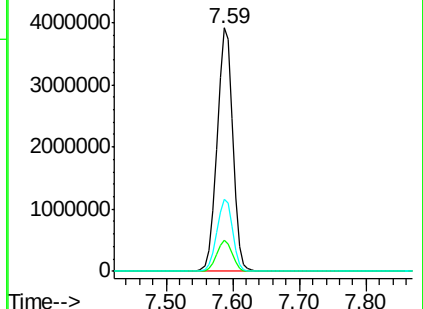
71 29.8 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BN000059.D (-773) (-)

Ion 42.00 (41.70 to 42.70): BN000059.D (-773) (-)

Ion 71.00 (70.70 to 71.70): BN000059.D (-773) (-)



#8

2-Chlorophenol

Concen: 0.036 ng

RT: 8.01 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

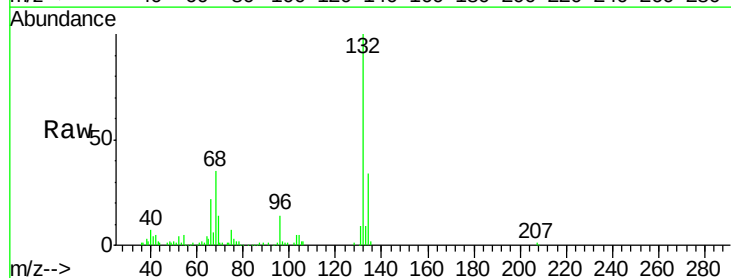
Tgt Ion: 128 Resp: 1334

Ion Ratio Lower Upper

128 100

130 67.4 14.0 54.0#

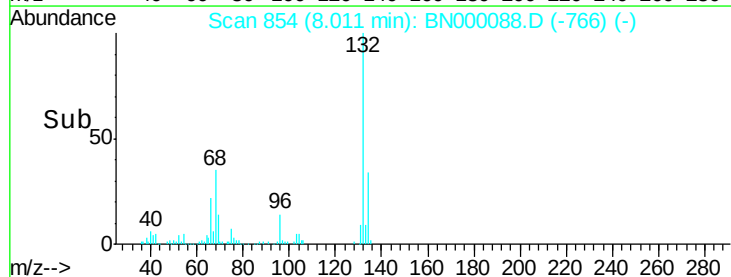
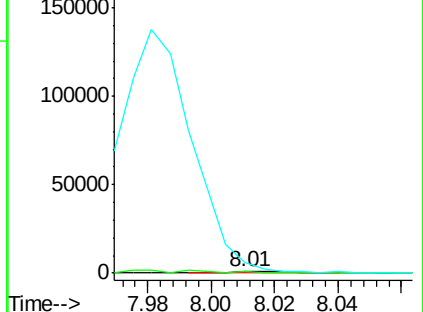
64 618.0 37.7 77.7#

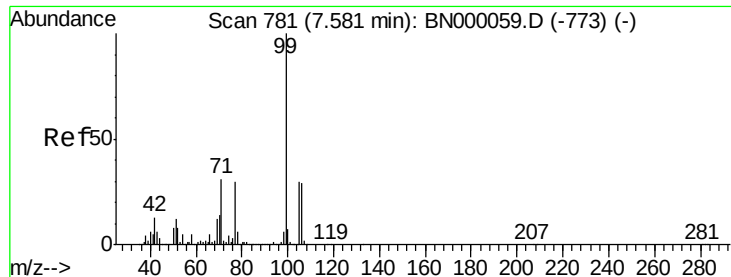


Abundance Ion 128.00 (127.70 to 128.70): BN000059.D (-847) (-)

Ion 130.00 (129.70 to 130.70): BN000059.D (-847) (-)

Ion 64.00 (63.70 to 64.70): BN000059.D (-847) (-)

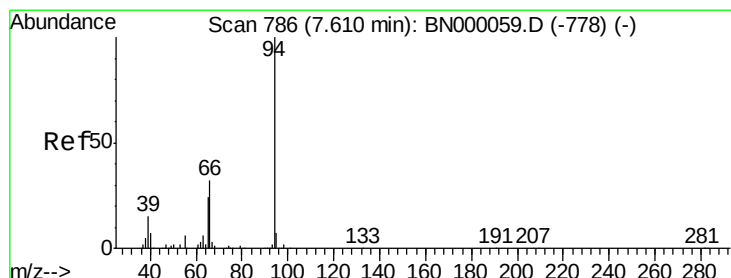
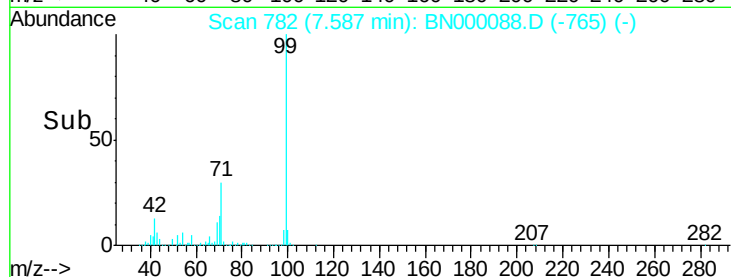
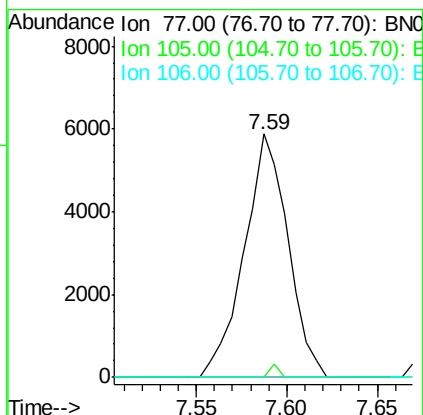
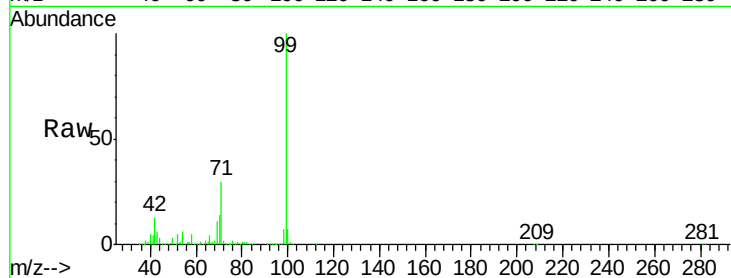




#9
Benzaldehyde
Concen: 0.334 ng
RT: 7.59 min Scan# 782
Delta R.T. 0.00 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

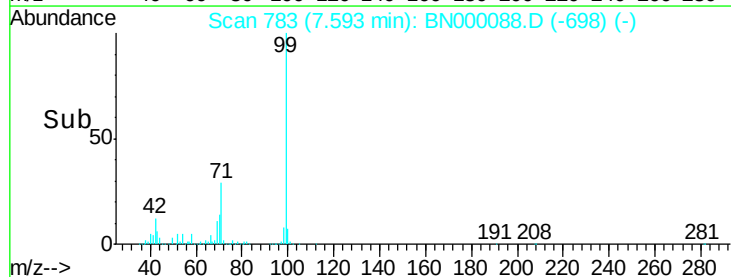
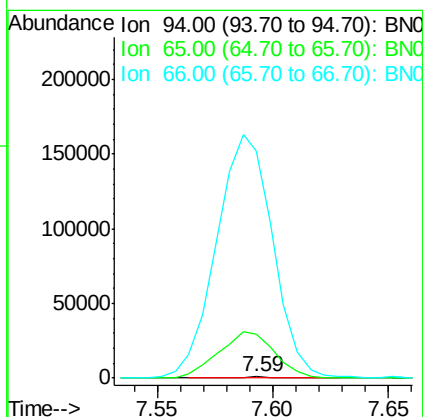
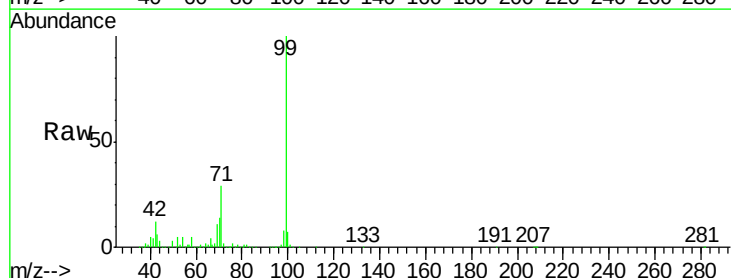
Instrument :
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PB106006BL

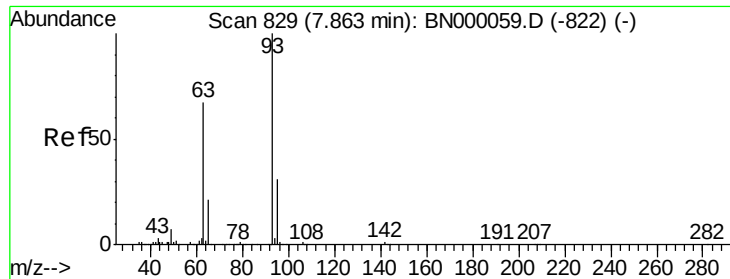
Tot Ion: 77 Resp: 9865
Ion Ratio Lower Upper
77 100
105 0.0 71.3 111.3#
106 0.0 64.2 104.2#



#10
Phenol
Concen: 0.027 ng
RT: 7.59 min Scan# 783
Delta R.T. -0.03 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion: 94 Resp: 1364
Ion Ratio Lower Upper
94 100
65 3094.6 11.9 51.9#
66 15794.2 22.2 62.2#

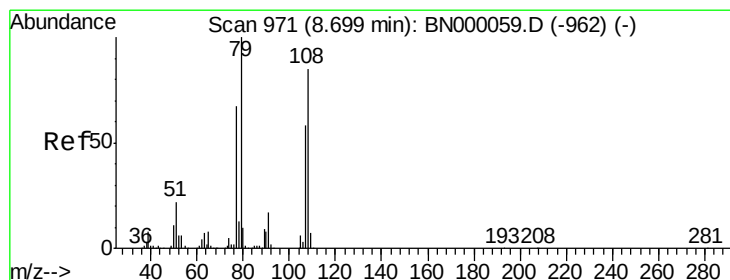
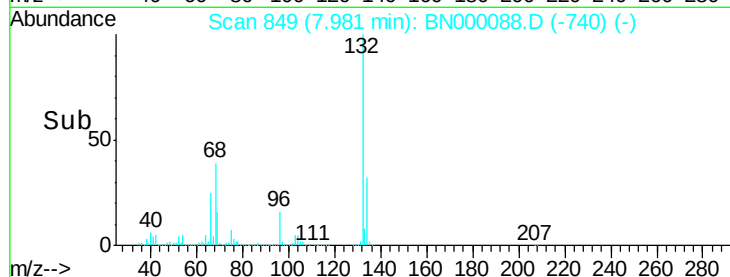
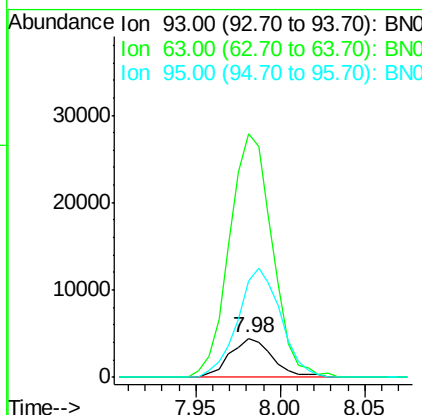
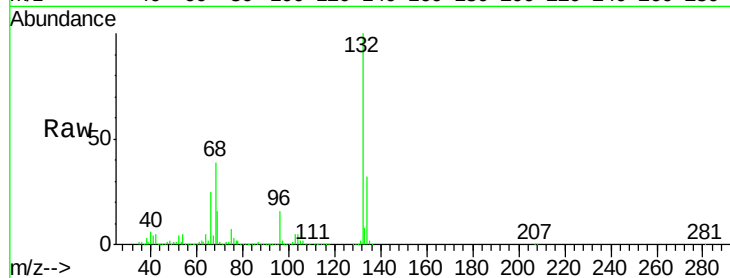




#11
bis(2-Chloroethyl)ether
Concen: 0.190 ng
RT: 7.98 min Scan# 849
Delta R.T. 0.11 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

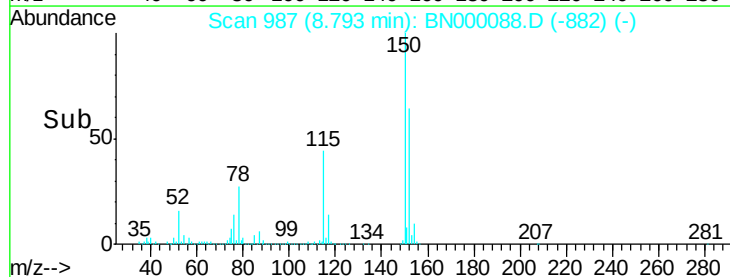
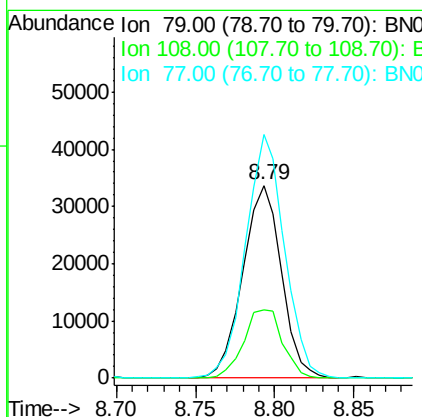
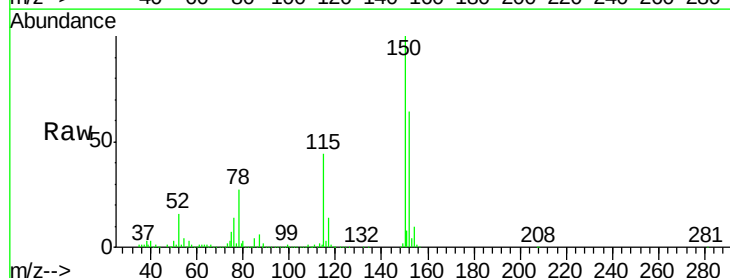
Instrument :
BNA_N
ClientSampleId :
PB106006BL

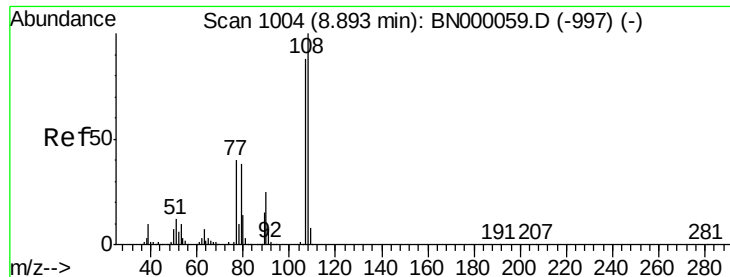
Tot Ion: 93 Resp: 7829
Ion Ratio Lower Upper
93 100
63 626.9 67.1 107.1#
95 249.9 11.5 51.5#



#15
Benzyl Alcohol
Concen: 1.674 ng
RT: 8.79 min Scan# 987
Delta R.T. 0.09 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion: 79 Resp: 57182
Ion Ratio Lower Upper
79 100
108 35.6 57.2 85.8#
77 126.4 46.1 69.1#





#17

2-Methylphenol

Concen: 0.005 ng

RT: 8.79 min Scan# 987

Delta R.T. -0.11 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

Tot Ion:107 Resp: 182

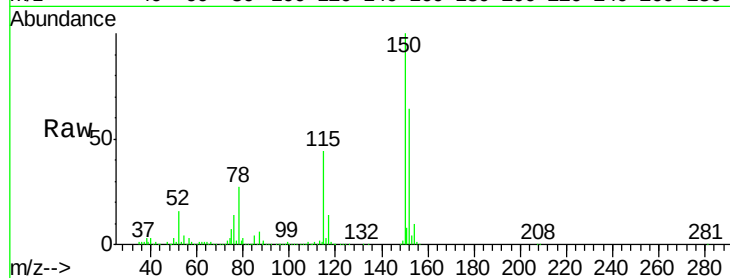
Ion Ratio Lower Upper

107 100

108 2320.5 83.9 125.9#

77 8235.2 37.2 55.8#

79 6514.5 36.2 54.2#

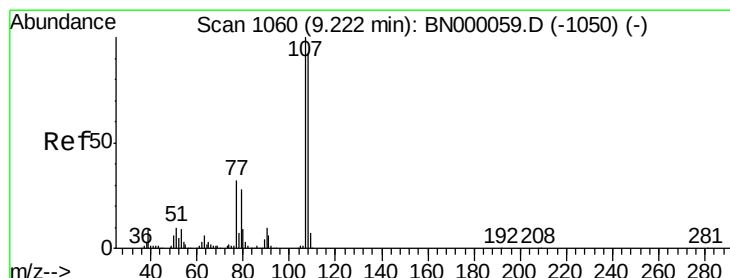
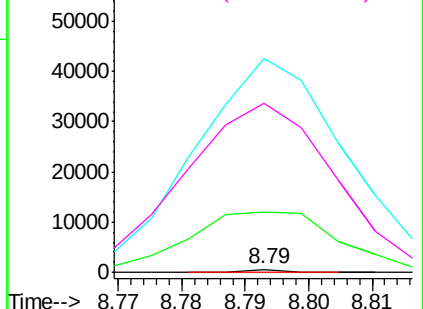
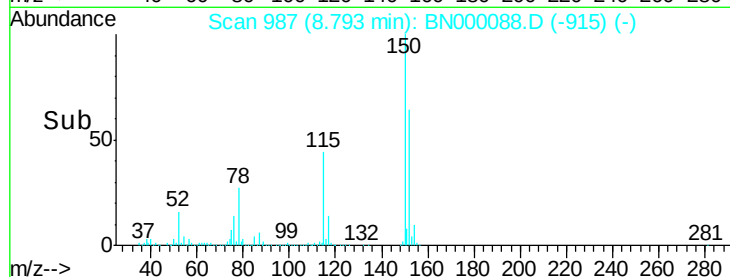


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC



#20

3+4-Methylphenols

Concen: 0.004 ng

RT: 8.79 min Scan# 987

Delta R.T. -0.44 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Tgt Ion:107 Resp: 182

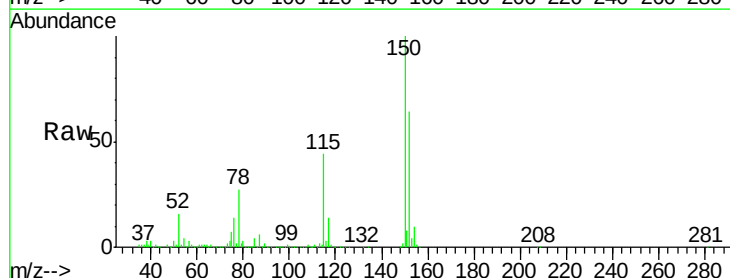
Ion Ratio Lower Upper

107 100

108 2320.5 61.6 101.6#

77 8235.2 13.9 53.9#

79 6514.5 8.8 48.8#

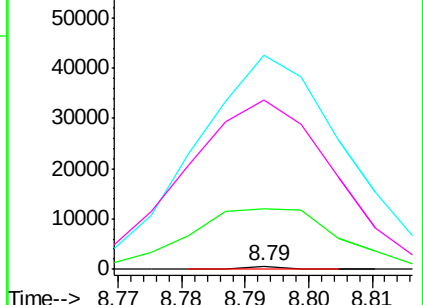
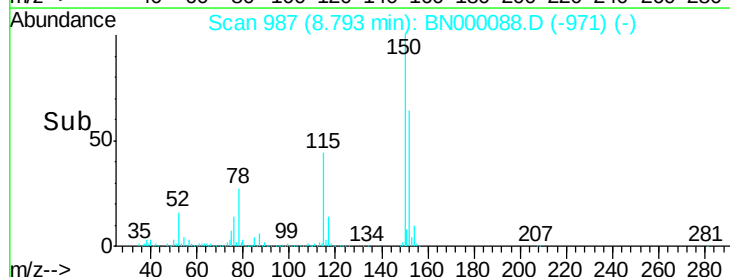


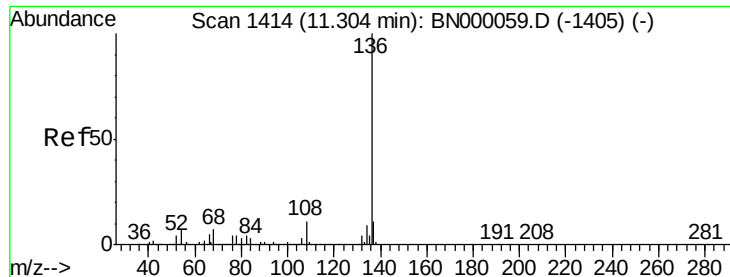
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BNC

Ion 79.00 (78.70 to 79.70): BNC

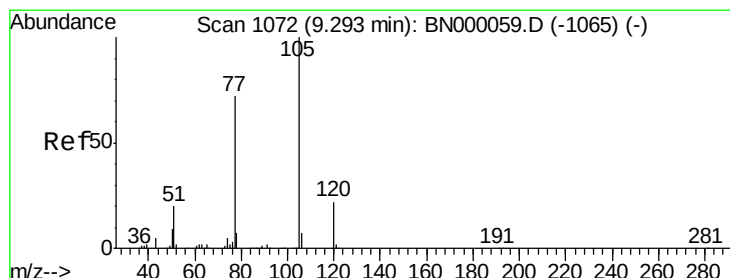
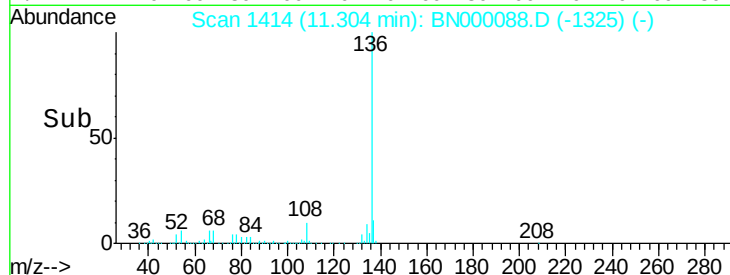
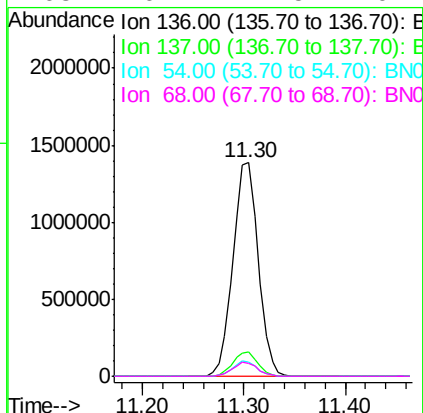
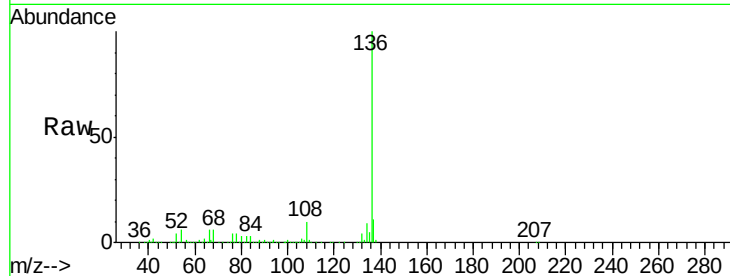




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

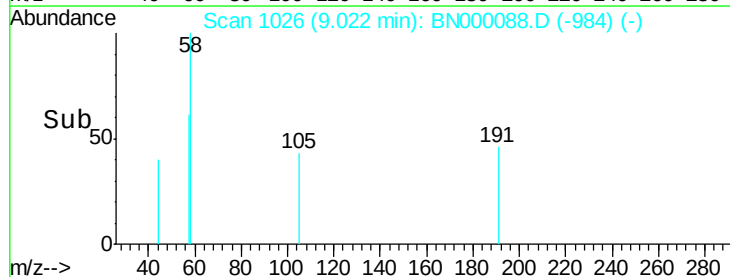
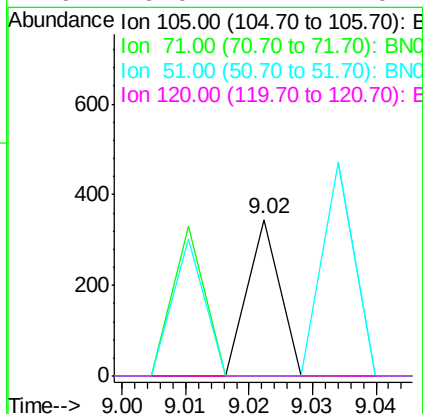
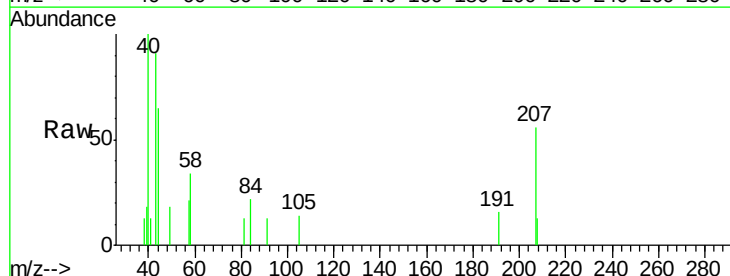
Instrument :
BNA_N
ClientSampleId :
PB106006BL

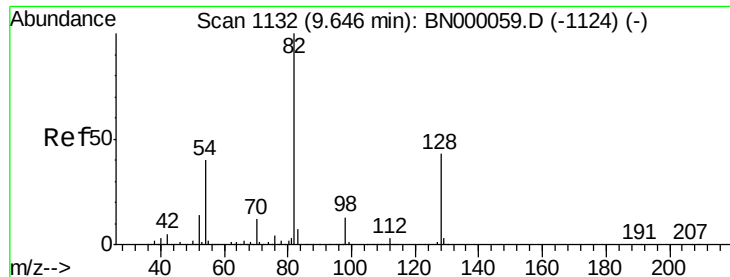
Tot Ion:136	Resp: 2401482
Ion Ratio	Lower Upper
136 100	
137 11.3	9.2 13.8
54 6.5	10.3 15.5#
68 6.2	4.5 6.7



#22
Acetophenone
Concen: 0.002 ng
RT: 9.02 min Scan# 1026
Delta R.T. -0.28 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion	Ion:105	Resp:	122
	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	0.0	26.1	39.1#
120	0.0	17.4	26.2#

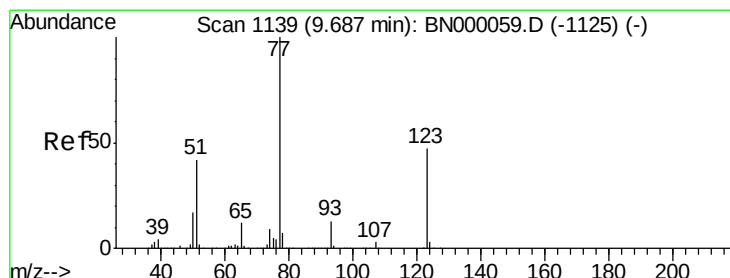
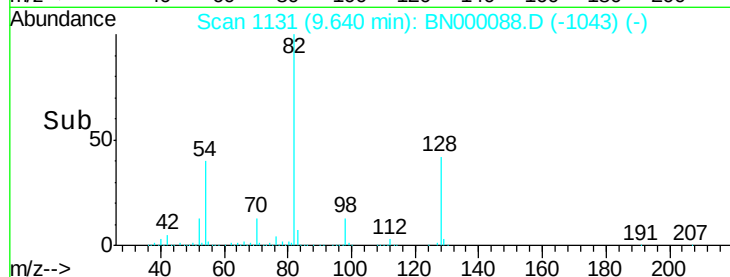
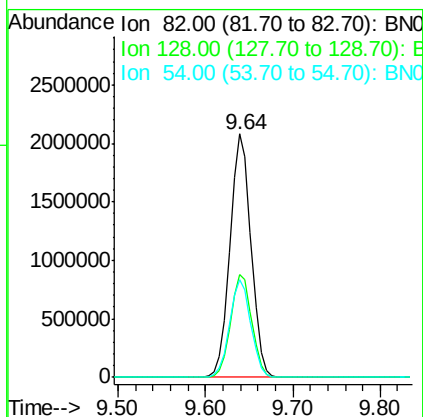
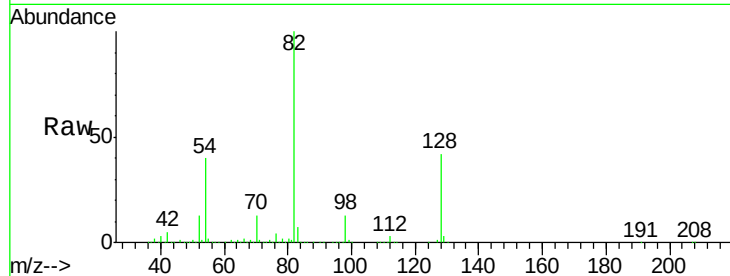




#23
Nitrobenzene-d5
Concen: 83.903 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

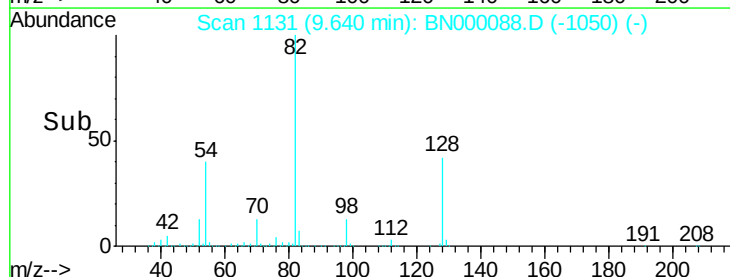
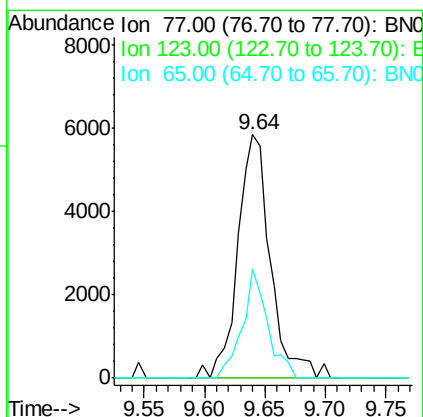
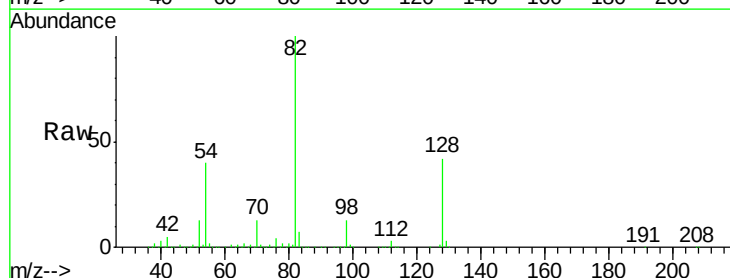
Instrument :
BNA_N
ClientSampled :
PB106006BL

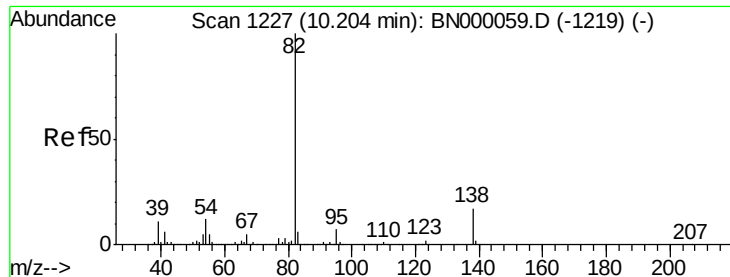
Tot Ion: 82 Resp: 3388917
Ion Ratio Lower Upper
82 100
128 42.5 29.7 44.5
54 40.0 43.1 64.7#



#24
Nitrobenzene
Concen: 0.251 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.05 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion: 77 Resp: 11072
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 44.6 13.0 19.6#





#25

Isophorone

Concen: 0.004 ng

RT: 10.14 min Scan# 1216

Delta R.T. -0.08 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

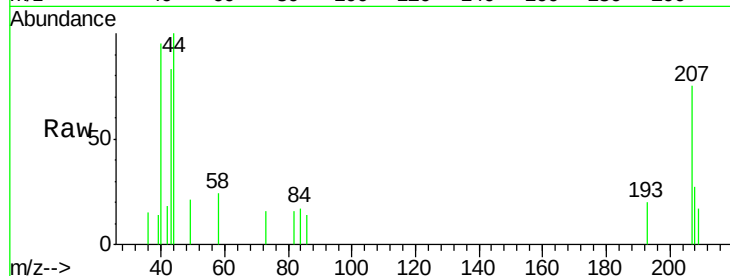
Tot Ion: 82 Resp: 348

Ion Ratio Lower Upper

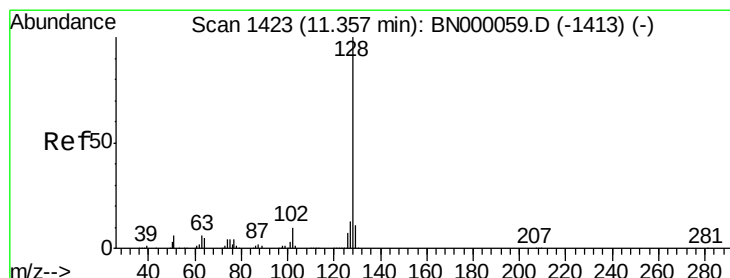
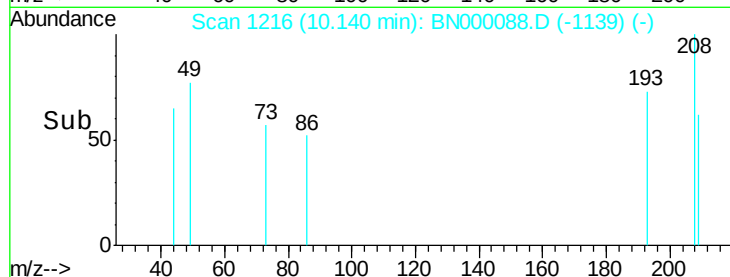
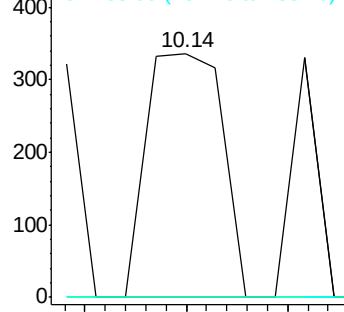
82 100

95 0.0 6.2 9.2#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BN0
Ion 95.00 (94.70 to 95.70): BN0
Ion 138.00 (137.70 to 138.70): BN0



#31

Naphthalene

Concen: 0.001 ng

RT: 11.35 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

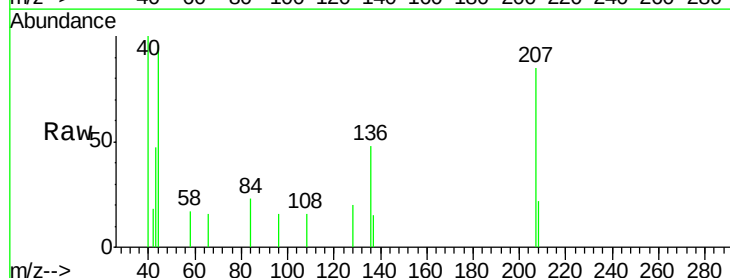
Tgt Ion: 128 Resp: 142

Ion Ratio Lower Upper

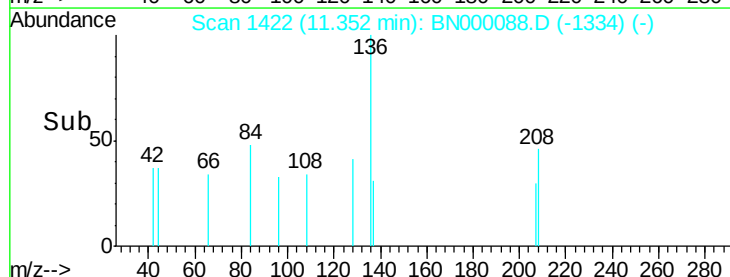
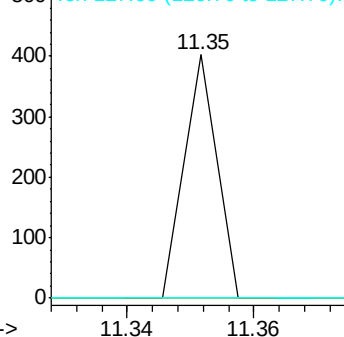
128 100

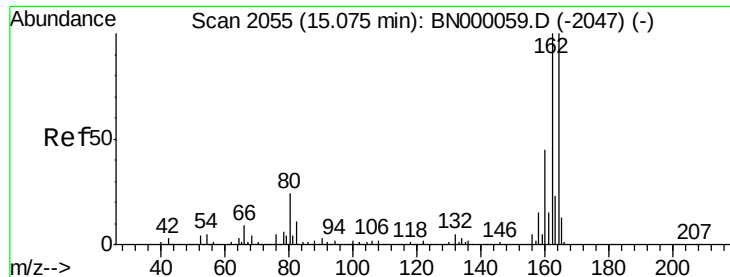
129 0.0 8.6 12.8#

127 0.0 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): BN0
Ion 129.00 (128.70 to 129.70): BN0
Ion 127.00 (126.70 to 127.70): BN0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

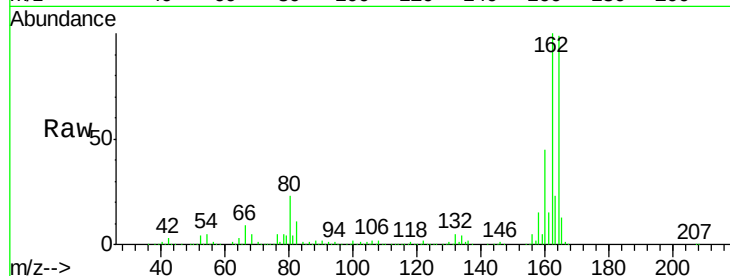
Tot Ion:164 Resp: 1450316

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

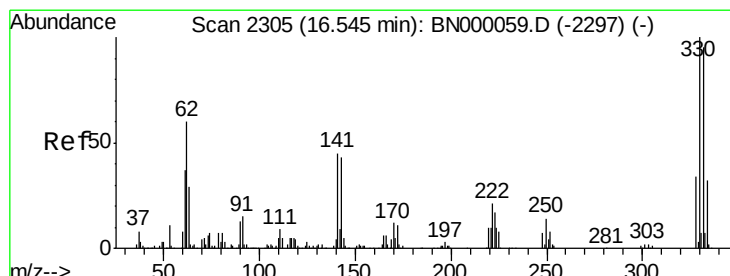
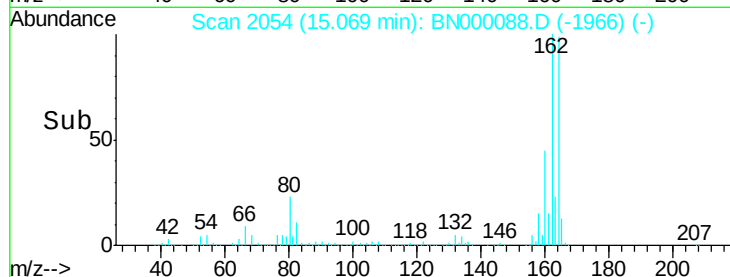
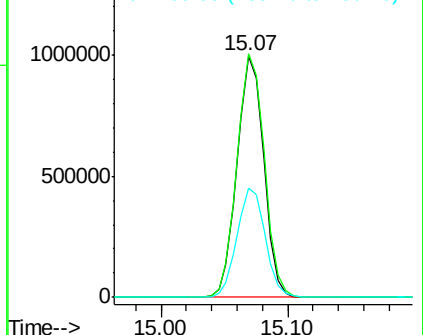
160 45.4 35.4 53.0



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: 125.360 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

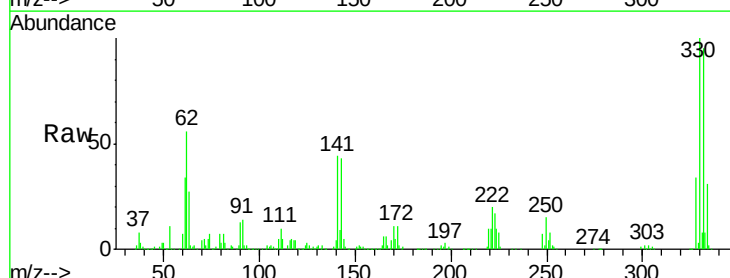
Tgt Ion:330 Resp: 1799658

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

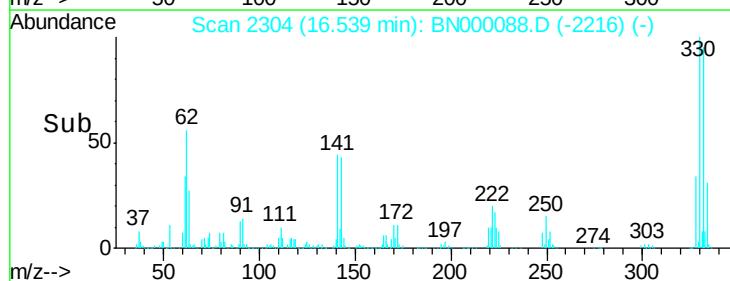
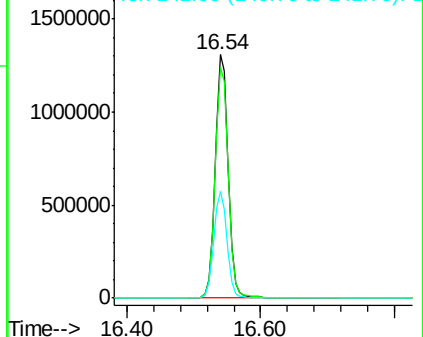
141 45.0 25.2 37.8#

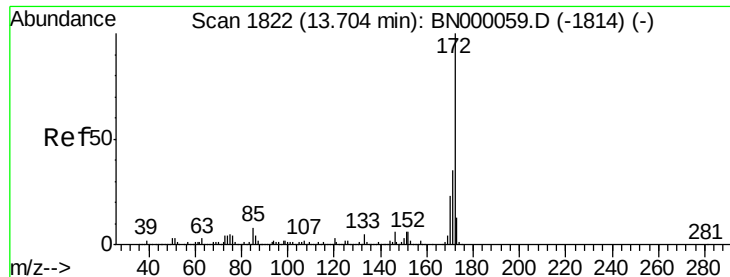


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

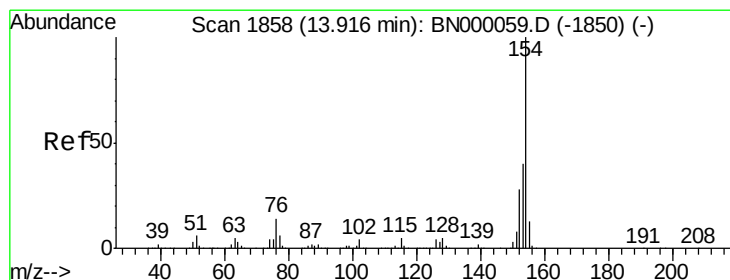
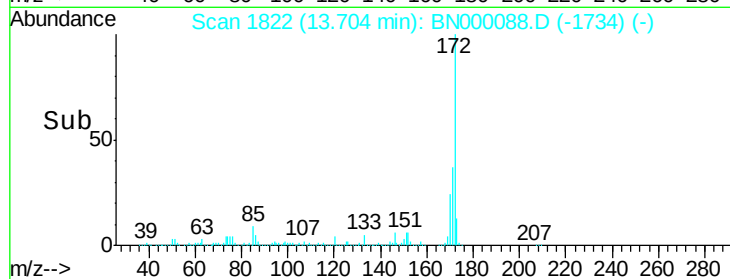
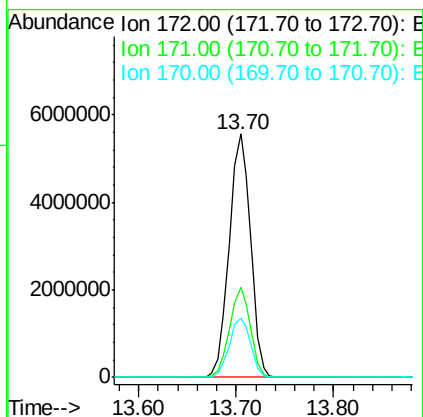
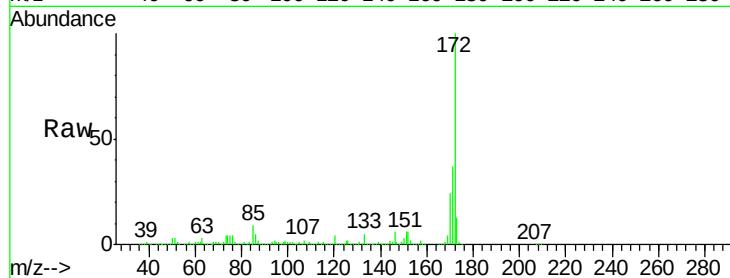




#44
2-Fluorobiphenyl
Concen: 81.781 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

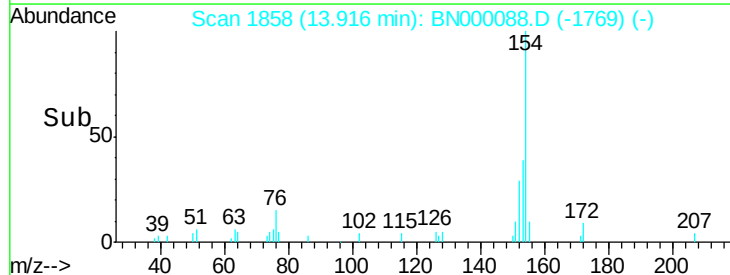
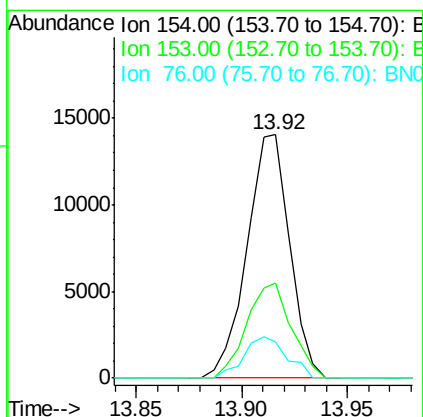
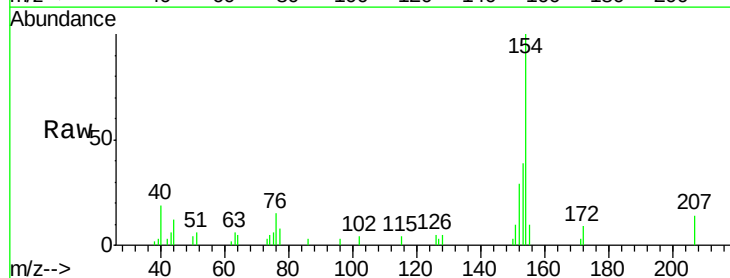
Instrument :
BNA_N
ClientSampleId :
PB106006BL

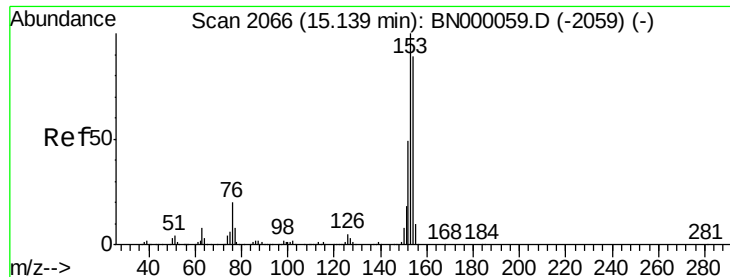
Tot Ion:172 Resp: 8415476
Ion Ratio Lower Upper
172 100
171 36.8 30.0 45.0
170 24.2 19.5 29.3



#45
1,1'-Biphenyl
Concen: 0.155 ng
RT: 13.92 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion:154 Resp: 19757
Ion Ratio Lower Upper
154 100
153 39.2 19.8 59.8
76 15.1 0.0 31.9





#51

Acenaphthene

Concen: 0.060 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.08 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

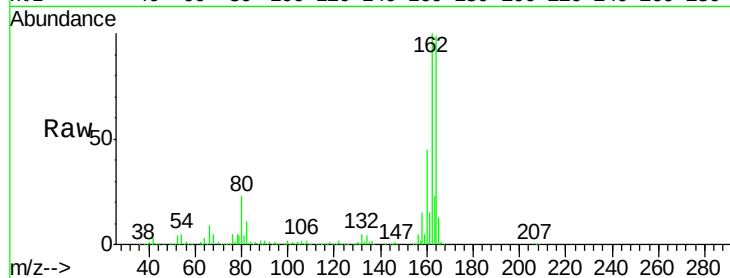
Tot Ion:154 Resp: 6033

Ion Ratio Lower Upper

154 100

153 0.0 90.4 135.6#

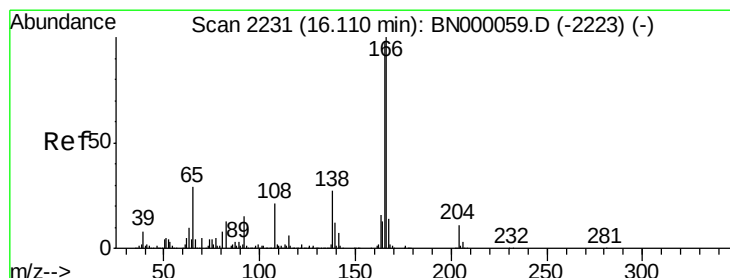
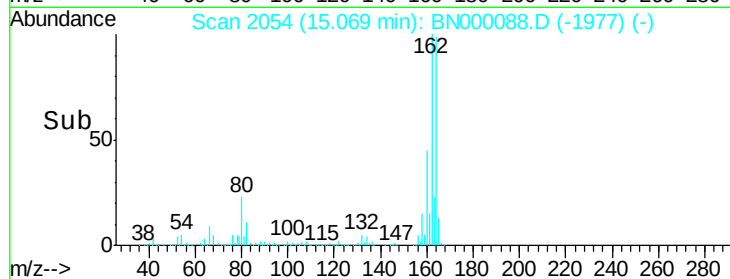
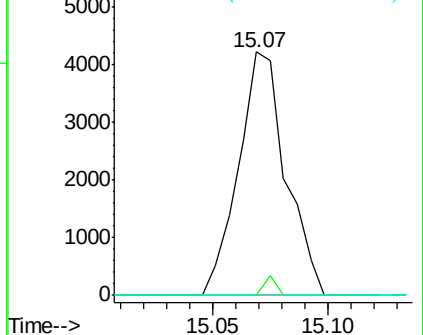
152 0.0 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 0.928 ng

RT: 16.54 min Scan# 2304

Delta R.T. 0.42 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

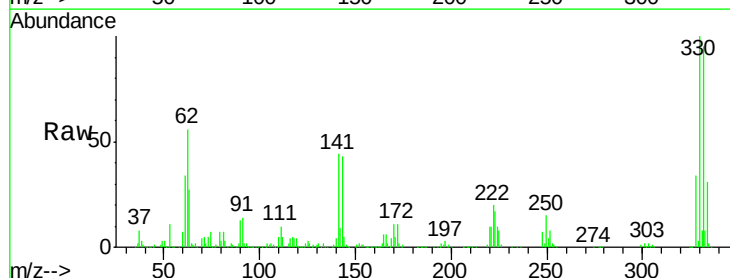
Tgt Ion:166 Resp: 107902

Ion Ratio Lower Upper

166 100

165 98.9 80.6 121.0

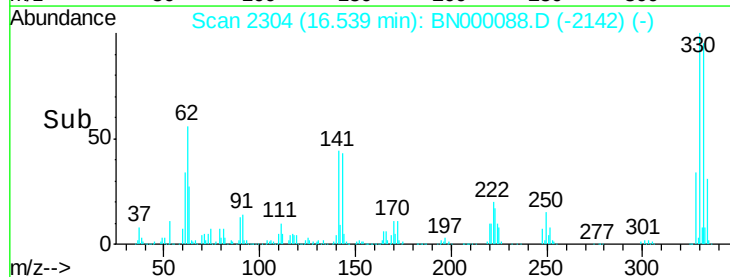
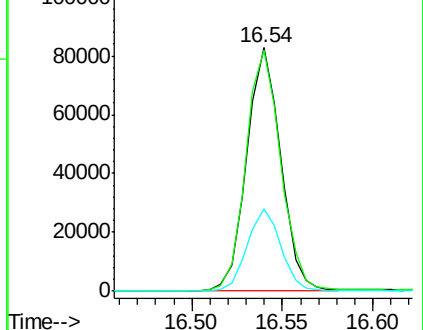
167 34.0 10.4 15.6#

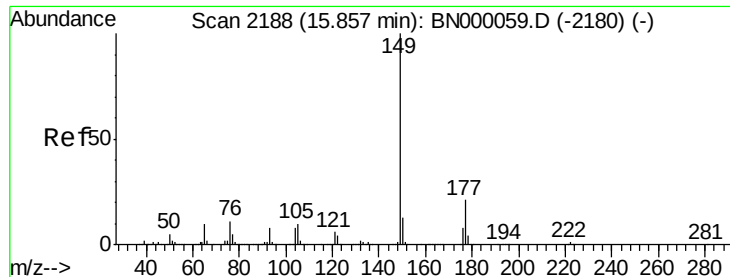


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.003 ng

RT: 15.85 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

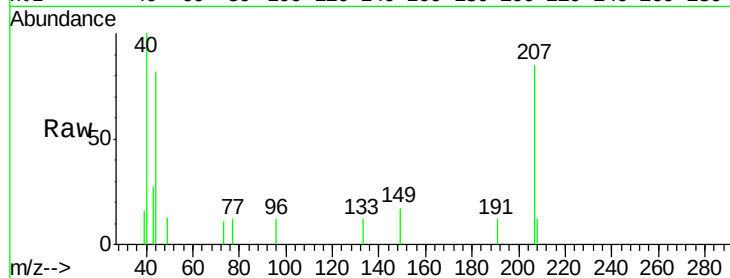
Tot Ion:149 Resp: 317

Ion Ratio Lower Upper

149 100

177 0.0 18.5 27.7#

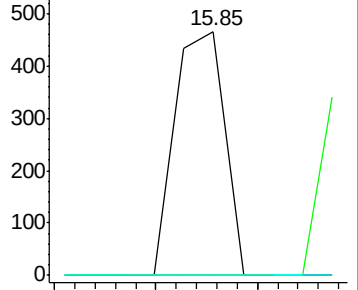
150 0.0 10.2 15.2#



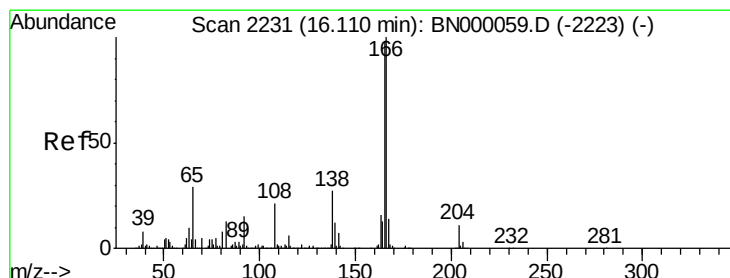
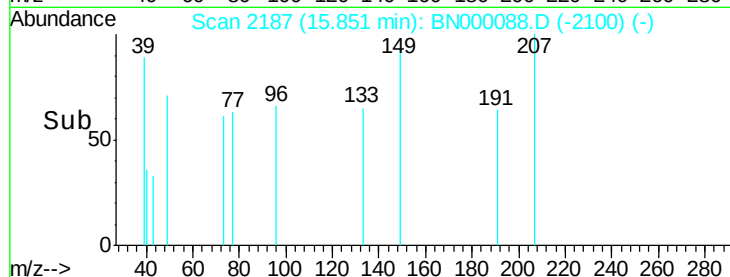
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time--> 15.82 15.84 15.86



#61

4-Nitroaniline

Concen: 0.004 ng

RT: 16.54 min Scan# 2304

Delta R.T. 0.42 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

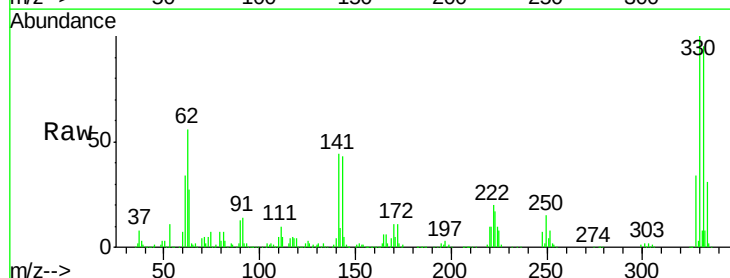
Tgt Ion:138 Resp: 112

Ion Ratio Lower Upper

138 100

92 6463.1 40.1 80.1#

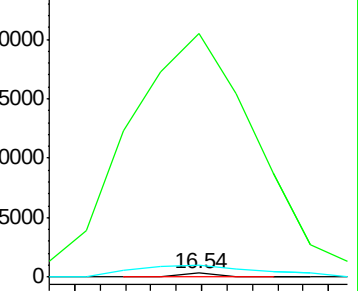
108 318.9 65.4 105.4#



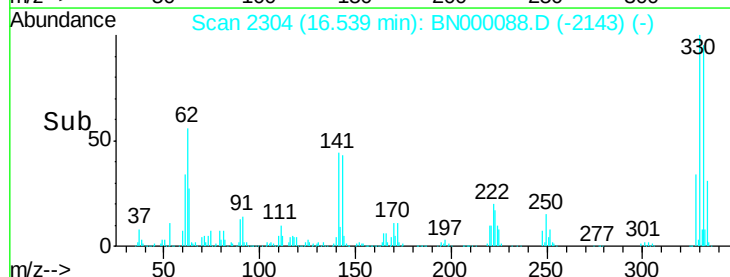
Abundance Ion 138.00 (137.70 to 138.70): E

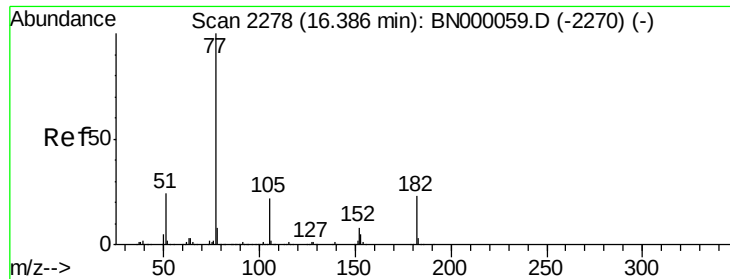
Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E



Time--> 16.52 16.54





#62

Azobenzene

Concen: 0.110 ng

RT: 16.54 min Scan# 2304

Delta R.T. 0.15 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

Tot Ion: 77 Resp: 13449

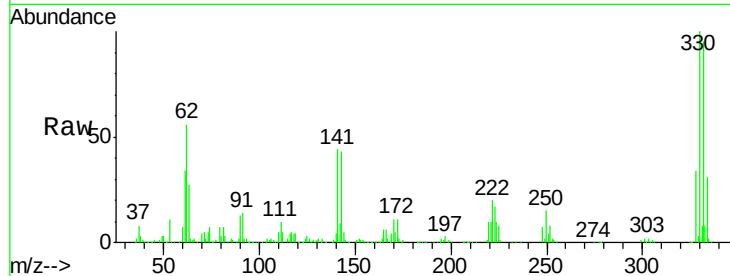
Ion Ratio Lower Upper

77 100

182 4.8 7.4 47.4#

105 99.8 0.3 40.3#

51 62.8 11.6 51.6#

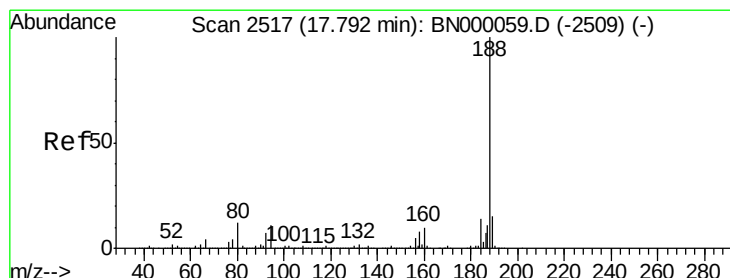
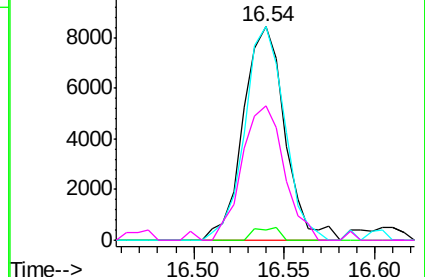
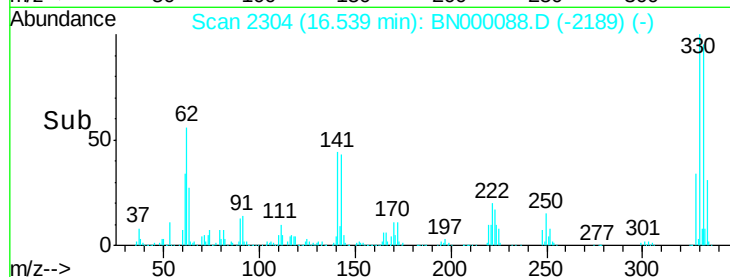


Abundance Ion 77.00 (76.70 to 77.70): BN0

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): BN0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.79 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

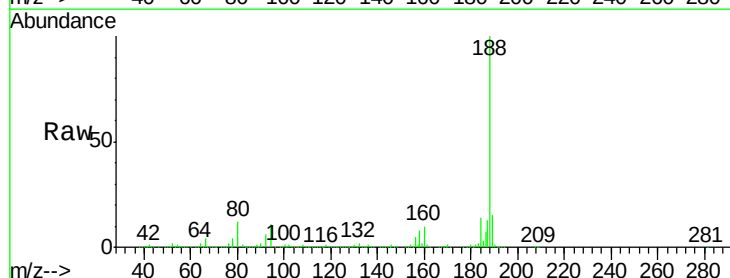
Tgt Ion: 188 Resp: 3423242

Ion Ratio Lower Upper

188 100

94 11.3 6.9 10.3#

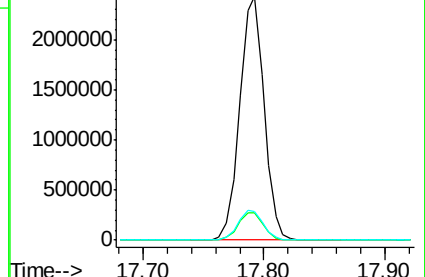
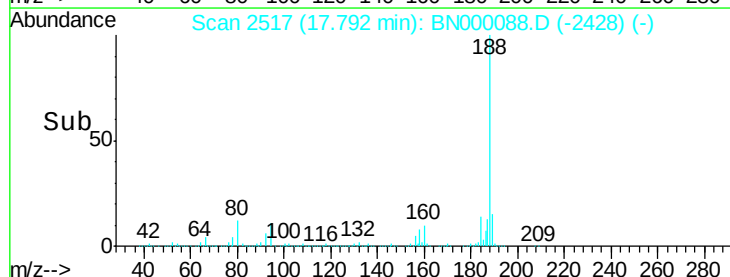
80 12.0 7.7 11.5#

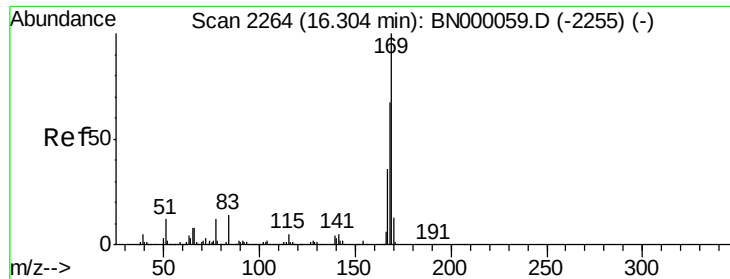


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BN0

Ion 80.00 (79.70 to 80.70): BN0

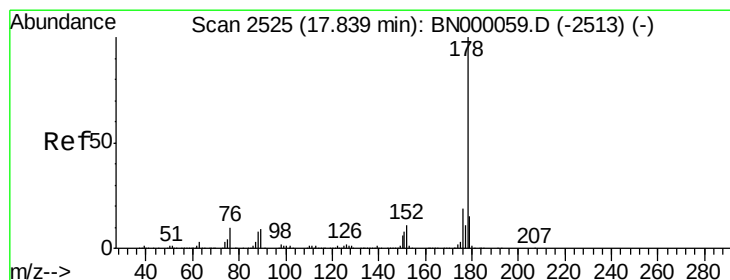
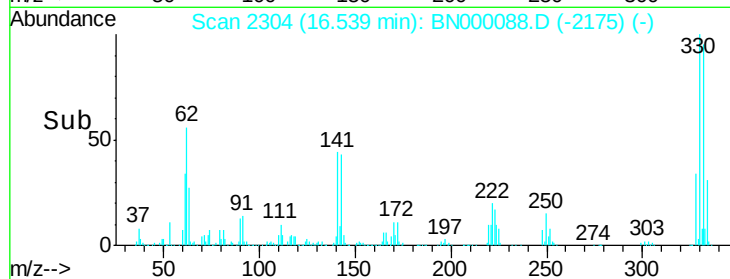
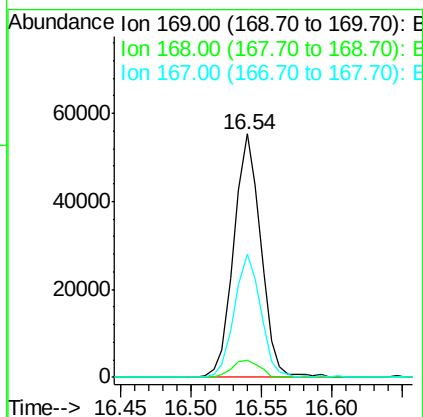
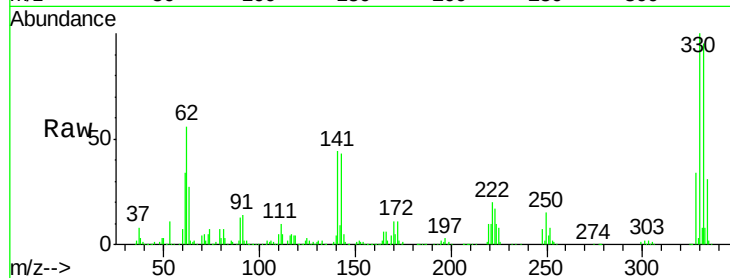




#65
n-Nitrosodiphenylamine
Concen: 0.665 ng
RT: 16.54 min Scan# 2304
Delta R.T. 0.23 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

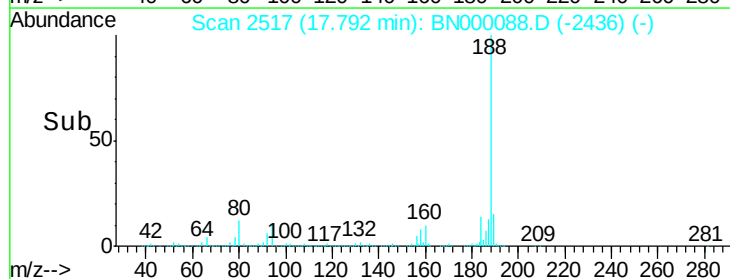
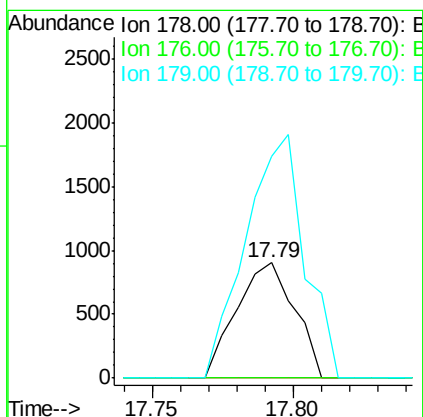
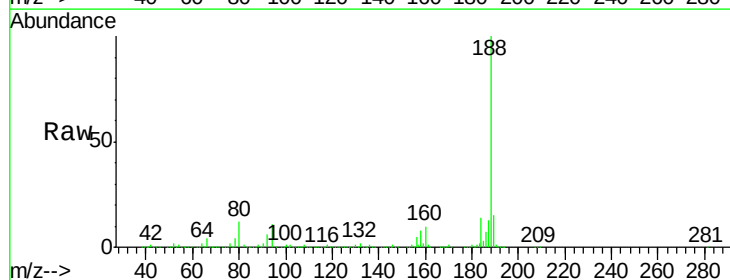
Instrument :
BNA_N
ClientSampleId :
PB106006BL

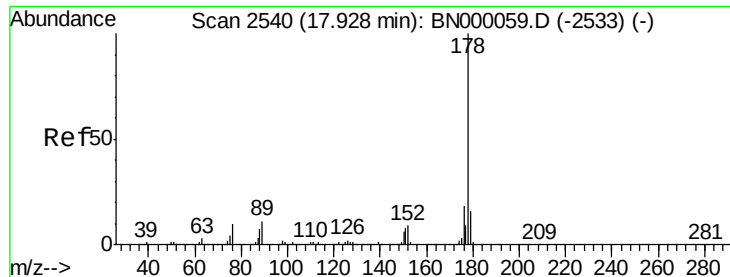
Tot Ion:169 Resp: 74035
Ion Ratio Lower Upper
169 100
168 7.1 55.7 83.5#
167 50.8 30.1 45.1#



#70
Phenanthrene
Concen: 0.006 ng
RT: 17.79 min Scan# 2517
Delta R.T. -0.05 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion:178 Resp: 1288
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 192.6 12.5 18.7#





#71

Anthracene

Concen: 0.007 ng

RT: 17.79 min Scan# 2517

Delta R.T. -0.14 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

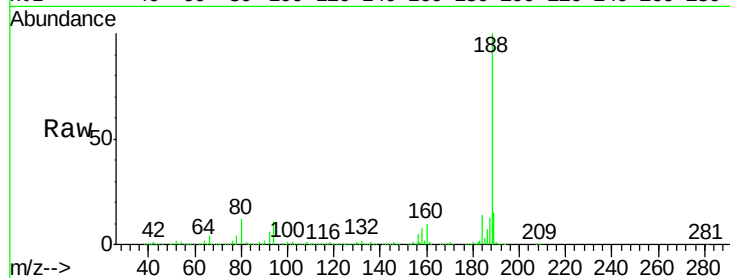
Tot Ion:178 Resp: 1288

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

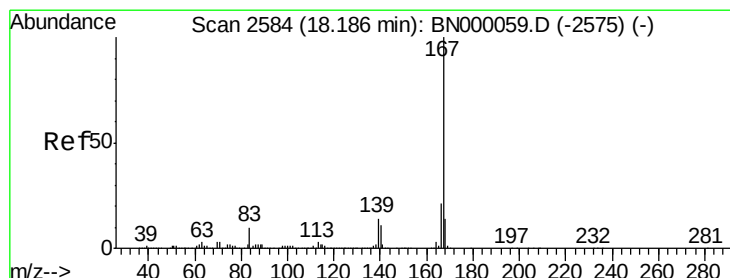
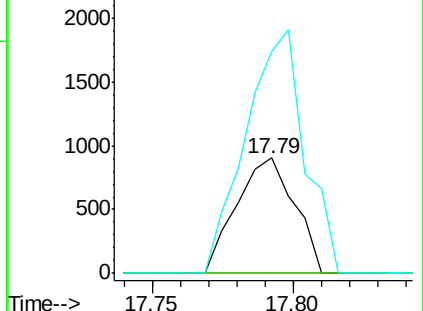
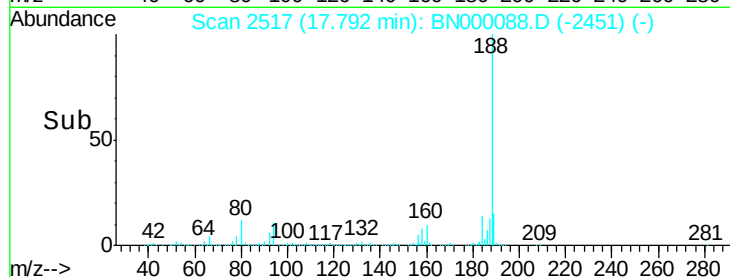
179 192.6 12.5 18.7#



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: 0.003 ng

RT: 17.79 min Scan# 2516

Delta R.T. -0.41 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

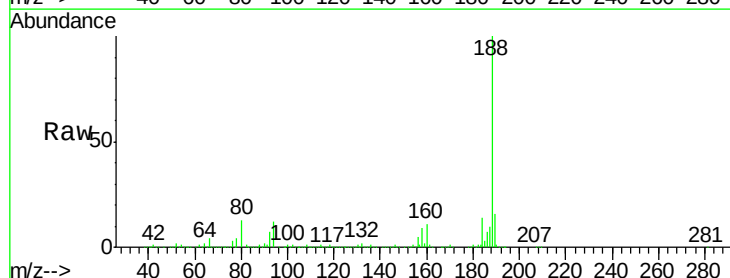
Tgt Ion:167 Resp: 513

Ion Ratio Lower Upper

167 100

166 263.1 18.2 27.4#

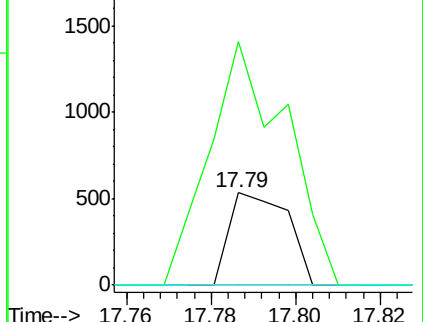
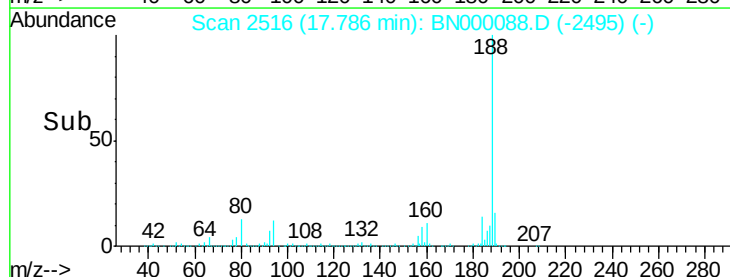
139 0.0 9.4 14.2#

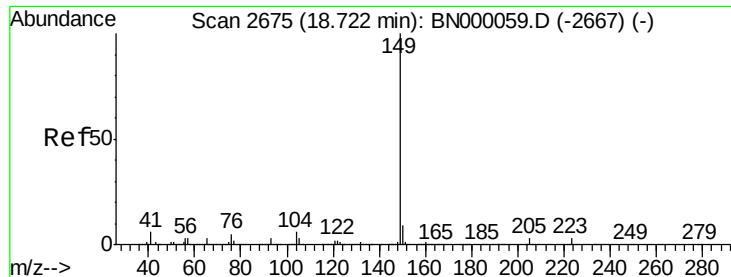


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.005 ng

RT: 18.71 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

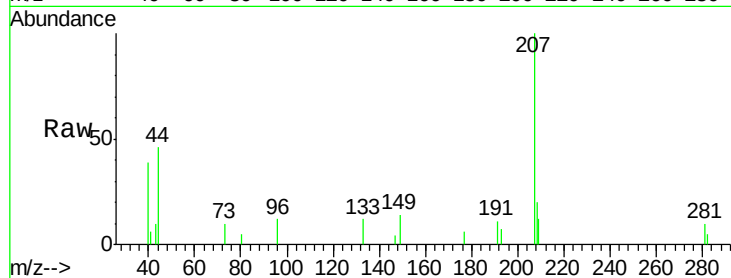
Tot Ion:149 Resp: 1048

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

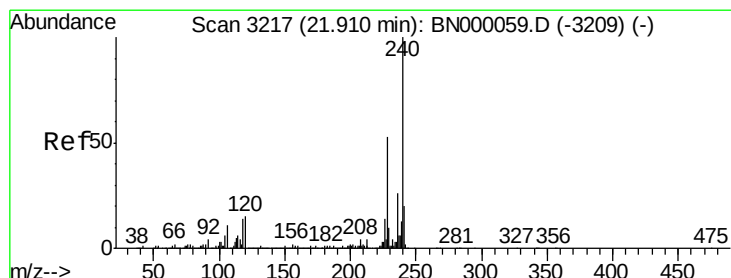
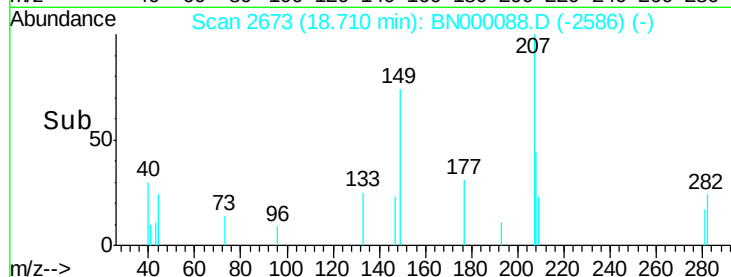
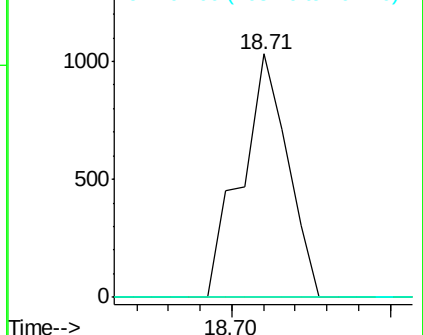
104 0.0 3.9 5.9#



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: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

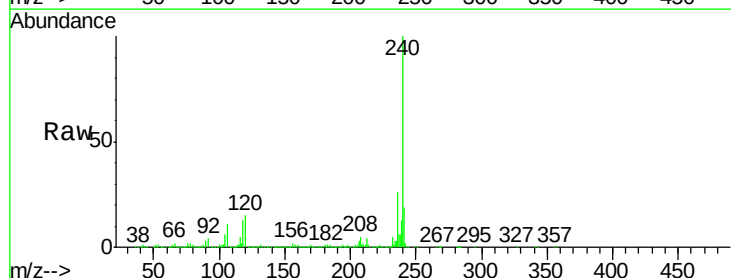
Tgt Ion:240 Resp: 3568469

Ion Ratio Lower Upper

240 100

120 15.0 6.8 10.2#

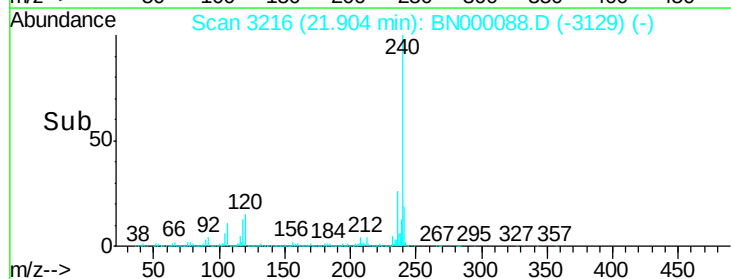
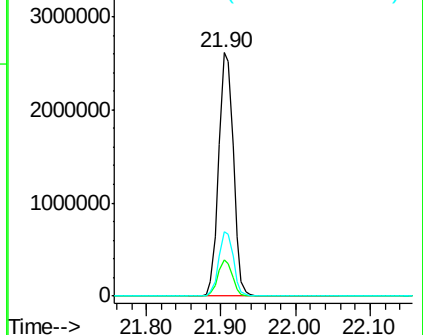
236 26.2 20.9 31.3

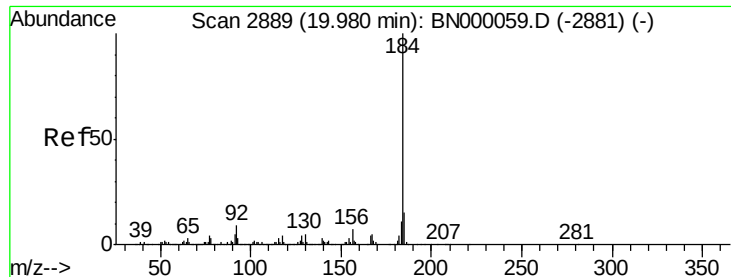


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

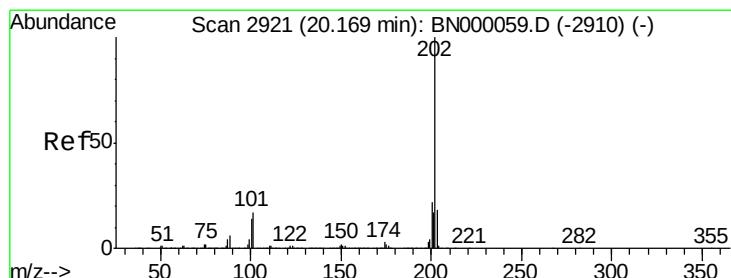
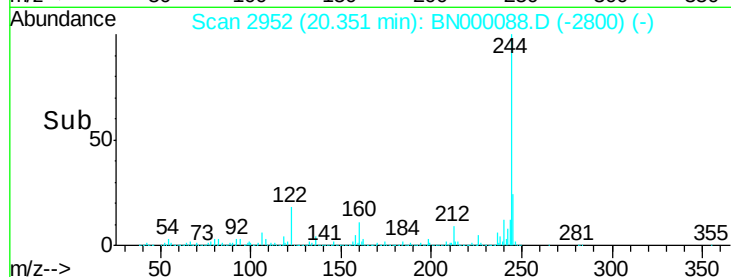
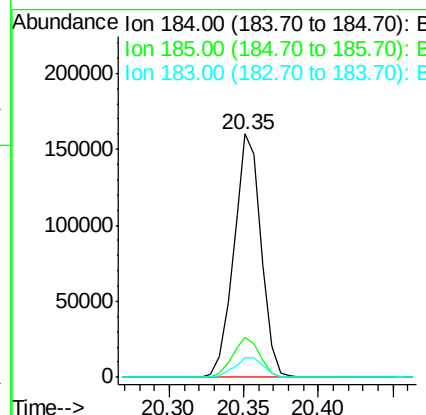
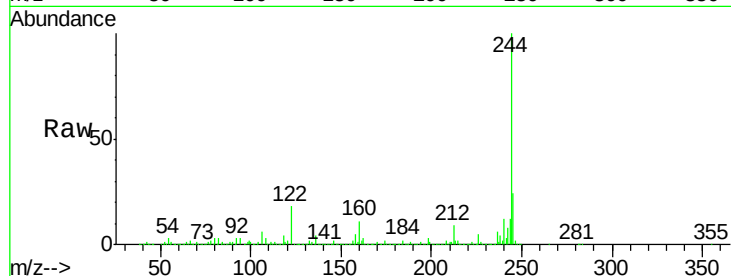




#76
Benzidine
Concen: 1.791 ng
RT: 20.35 min Scan# 2952
Delta R.T. 0.36 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

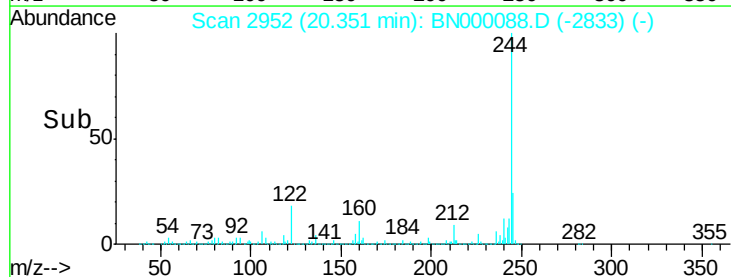
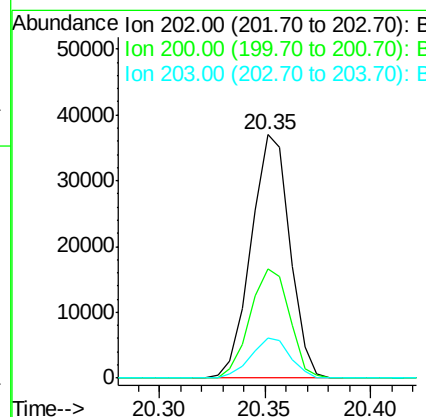
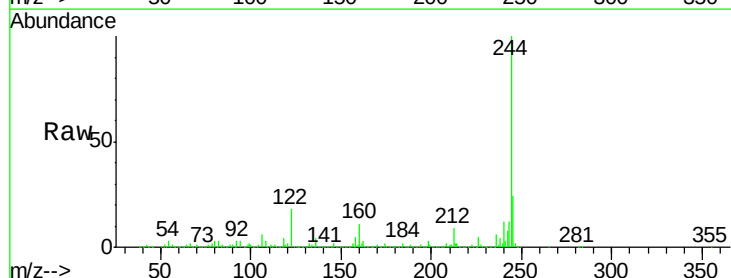
Instrument :
BNA_N
ClientSampleId :
PB106006BL

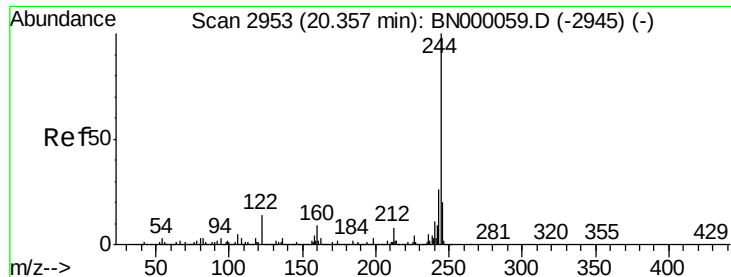
Tot Ion:184 Resp: 203704
Ion Ratio Lower Upper
184 100
185 16.3 11.1 16.7
183 8.3 10.6 16.0#



#77
Pyrene
Concen: 0.208 ng
RT: 20.35 min Scan# 2952
Delta R.T. 0.17 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion:202 Resp: 47105
Ion Ratio Lower Upper
202 100
200 45.0 16.9 25.3#
203 16.5 13.9 20.9





#78

Terphenyl-d14

Concen: 88.841 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampled :

PB106006BL

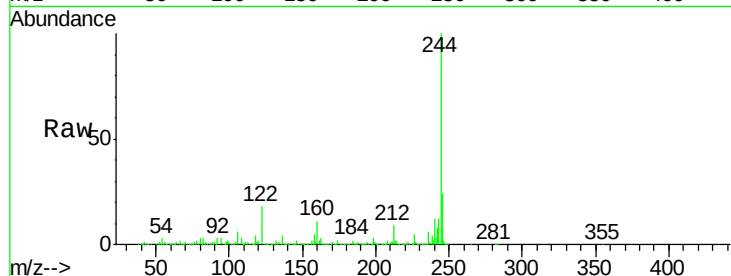
Tot Ion:244 Resp:11741058

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

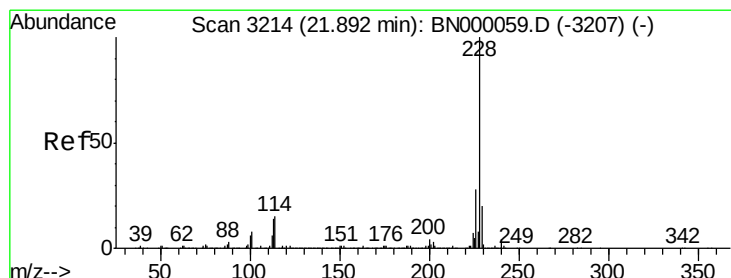
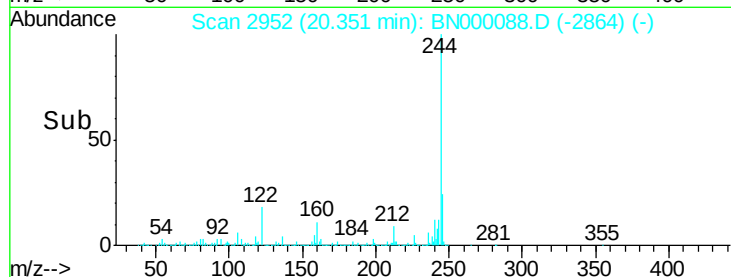
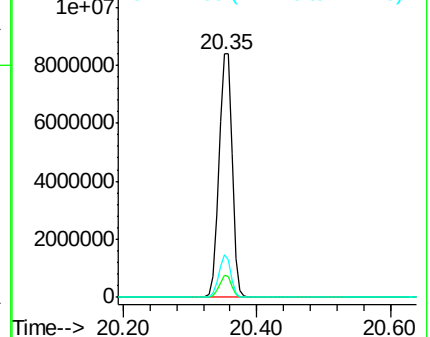
122 17.6 7.0 10.4#



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



#80

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

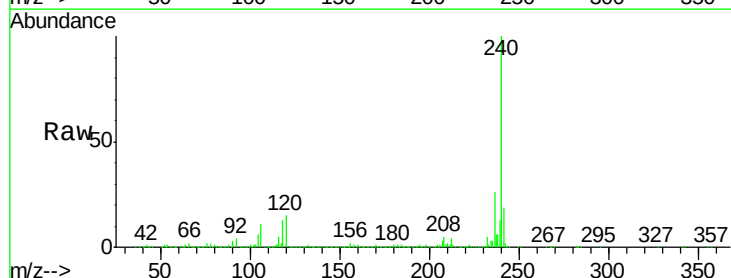
Tgt Ion:228 Resp: 9570

Ion Ratio Lower Upper

228 100

226 9.7 22.7 34.1#

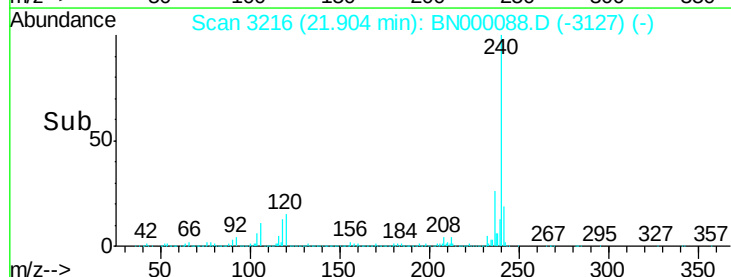
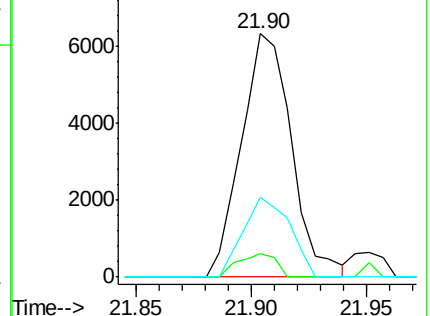
229 32.9 16.2 24.2#

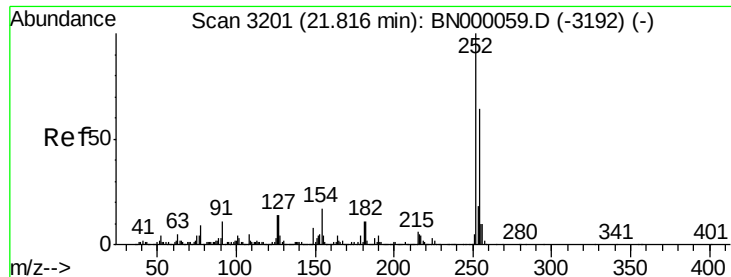


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

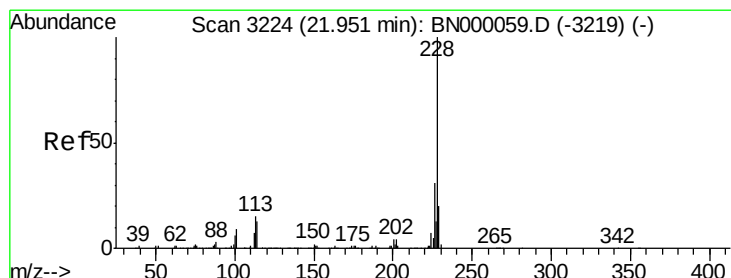
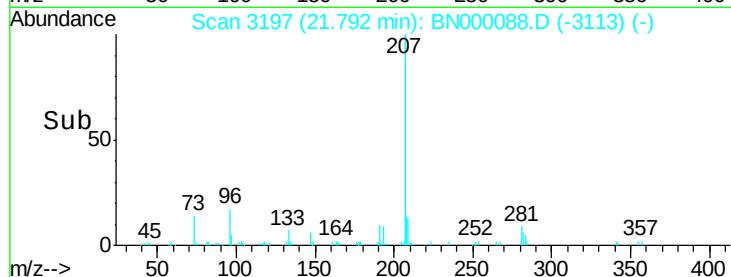
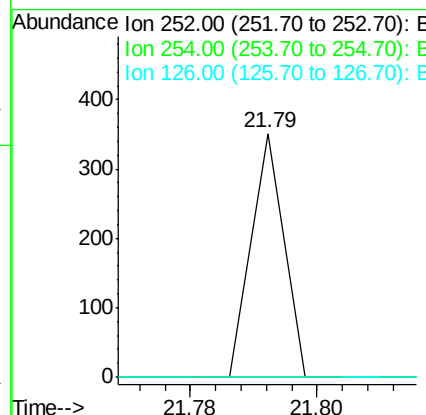
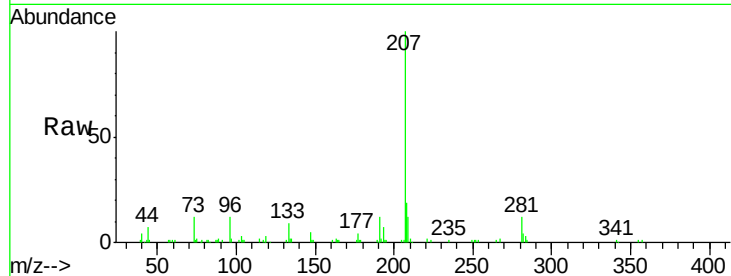




#81
 3,3'-Dichlorobenzidine
 Concen: 0.002 ng
 RT: 21.79 min Scan# 3197
 Delta R.T. -0.04 min
 Lab File: BN000088.D
 Acq: 15 Feb 2018 10:06

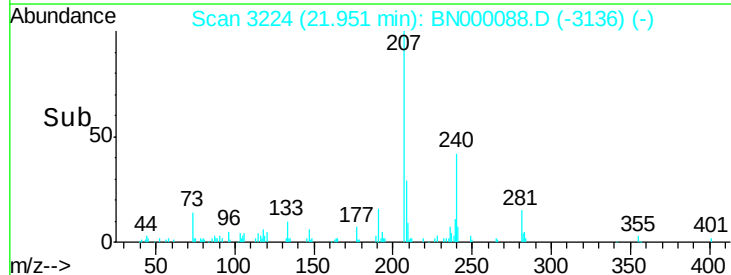
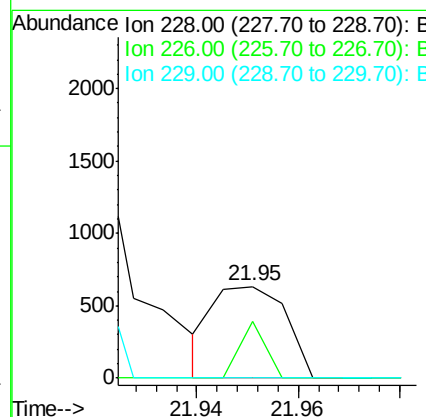
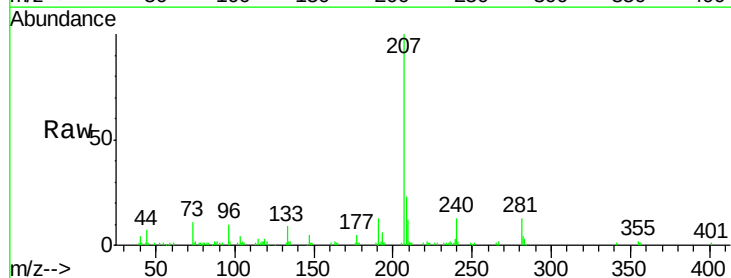
Instrument :
 BNA_N
 ClientSampleId :
 PB106006BL

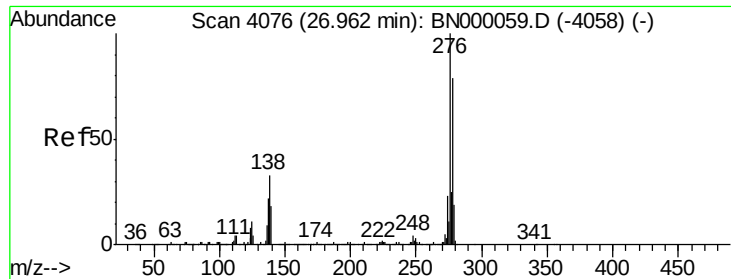
Tot Ion:252 Resp: 124
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.8 76.2#
 126 0.0 7.4 11.2#



#82
 Chrysene
 Concen: 0.003 ng
 RT: 21.95 min Scan# 3224
 Delta R.T. -0.01 min
 Lab File: BN000088.D
 Acq: 15 Feb 2018 10:06

Tgt Ion:228 Resp: 622
 Ion Ratio Lower Upper
 228 100
 226 61.7 24.9 37.3#
 229 0.0 15.0 22.4#

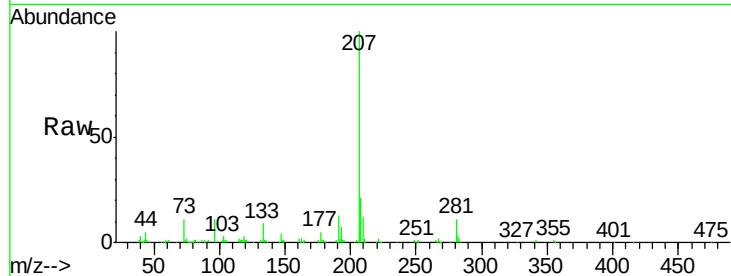




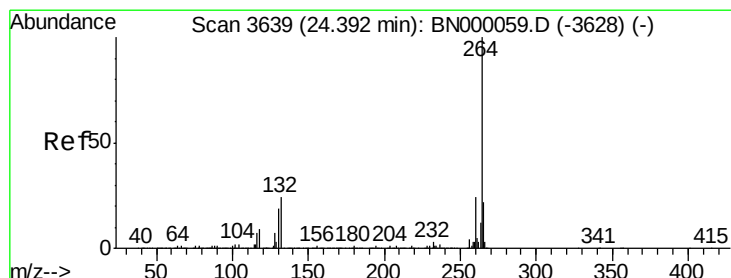
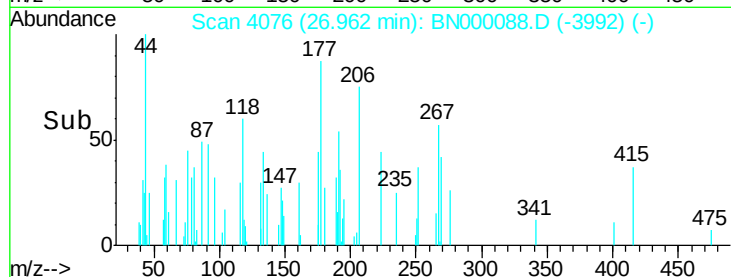
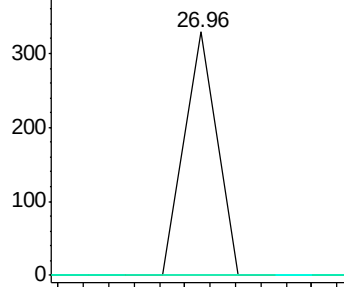
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.000 ng
 RT: 26.96 min Scan# 4076
 Delta R.T. -0.04 min
 Lab File: BN000088.D
 Acq: 15 Feb 2018 10:06

Instrument :
 BNA_N
 ClientSampleId :
 PB106006BL

Tot Ion:276 Resp: 116
 Ion Ratio Lower Upper
 276 100
 138 0.0 16.0 24.0#
 277 0.0 20.0 30.0#

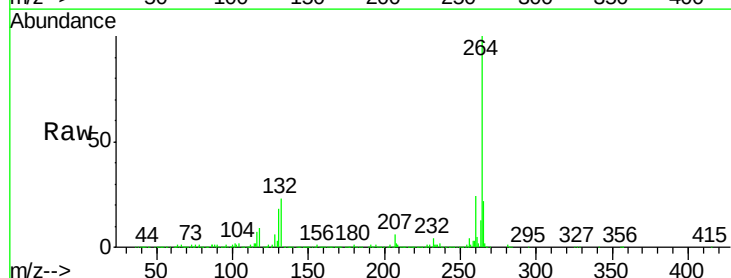


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

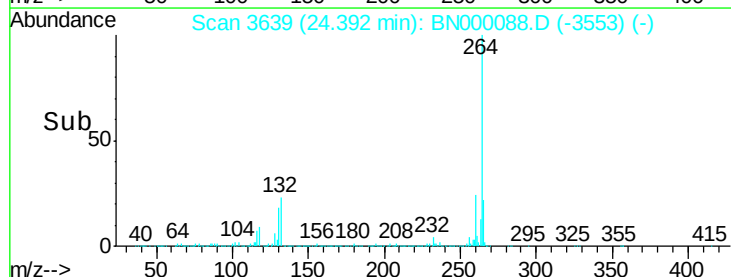
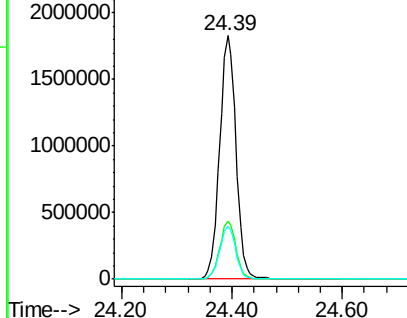


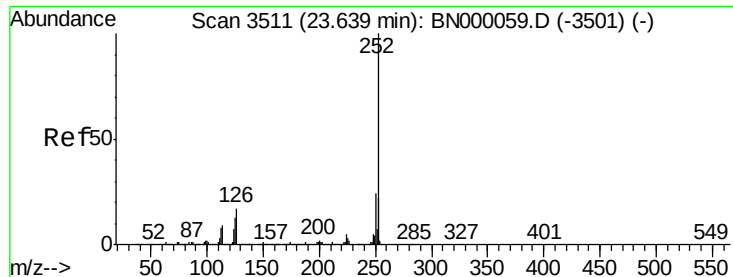
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.39 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: BN000088.D
 Acq: 15 Feb 2018 10:06

Tgt Ion:264 Resp: 3807606
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.4 26.0
 265 22.0 17.7 26.5



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

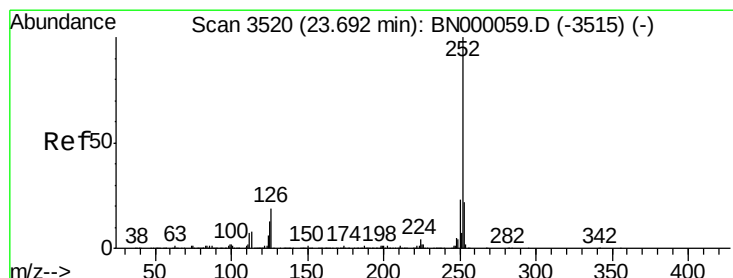
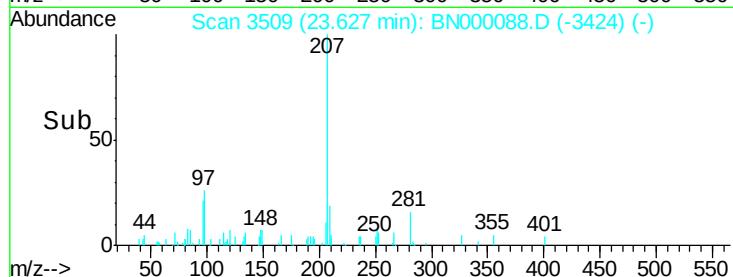
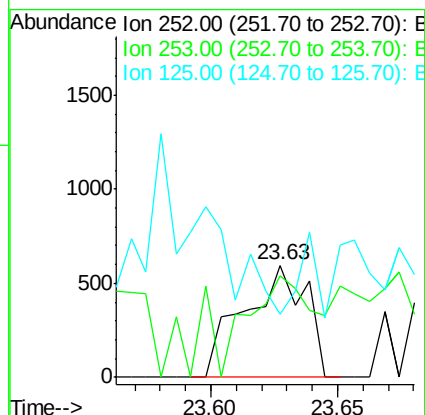
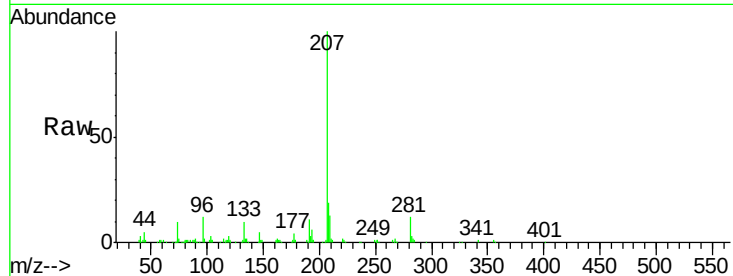




#87
Benzo(b)fluoranthene
Concen: 0.005 ng
RT: 23.63 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

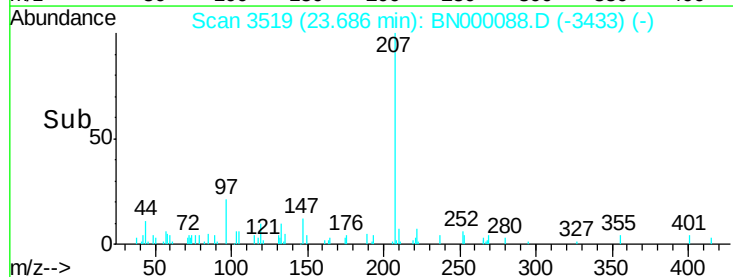
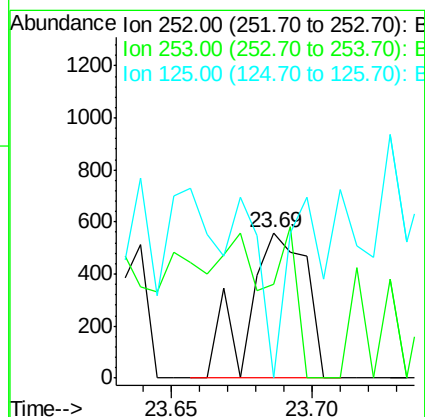
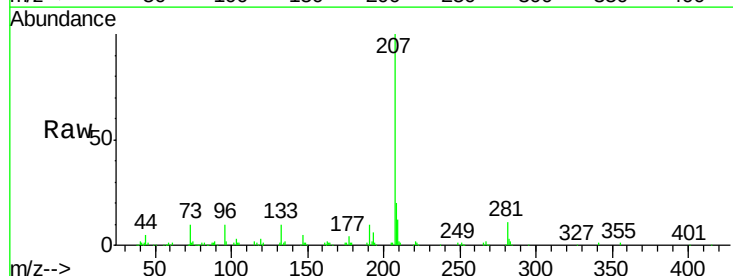
Instrument :
BNA_N
ClientSampleId :
PB106006BL

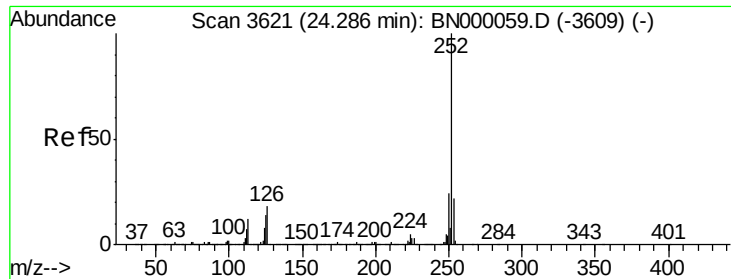
Tot Ion:252 Resp: 1019
Ion Ratio Lower Upper
252 100
253 90.9 18.2 27.4#
125 57.0 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 0.004 ng
RT: 23.69 min Scan# 3519
Delta R.T. -0.02 min
Lab File: BN000088.D
Acq: 15 Feb 2018 10:06

Tgt Ion:252 Resp: 795
Ion Ratio Lower Upper
252 100
253 65.1 17.4 26.2#
125 0.0 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 0.070 ng

RT: 24.40 min Scan# 3640

Delta R.T. 0.09 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

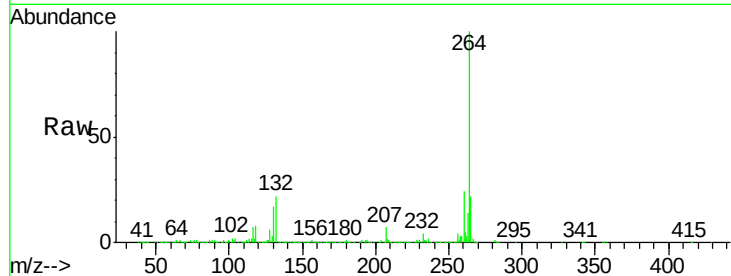
Tot Ion:252 Resp: 14888

Ion Ratio Lower Upper

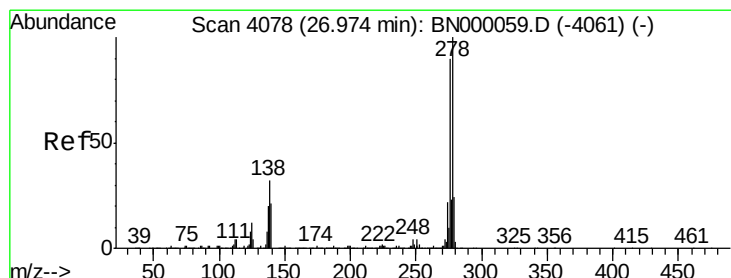
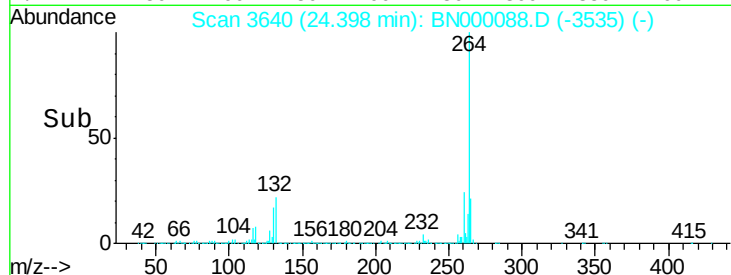
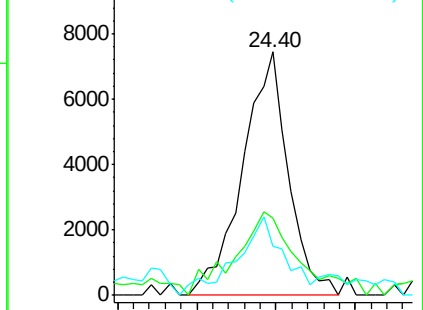
252 100

253 31.6 18.3 27.5#

125 20.1 7.3 10.9#



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



#90

Dibenzo(a,h)anthracene

Concen: 0.000 ng

RT: 26.95 min Scan# 4074

Delta R.T. -0.06 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

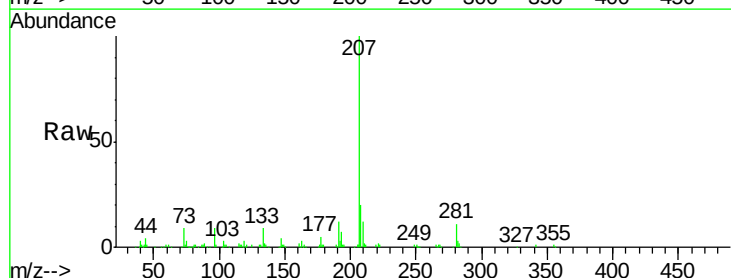
Tgt Ion:278 Resp: 110

Ion Ratio Lower Upper

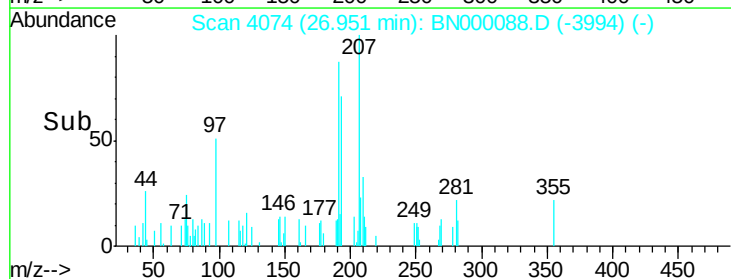
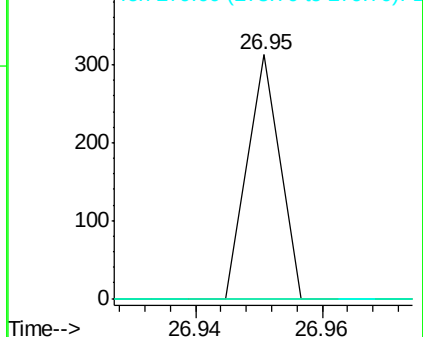
278 100

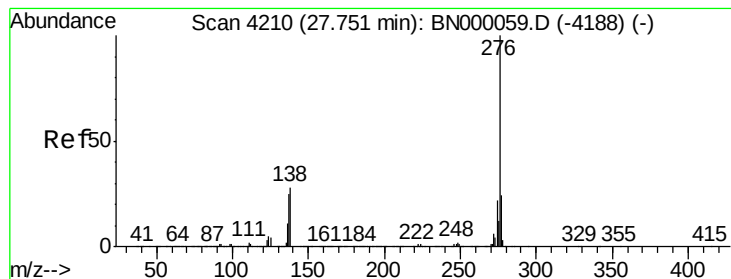
139 0.0 9.8 14.6#

279 0.0 18.4 27.6#



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(a,h,i)perylene

Concen: 0.000 ng

RT: 27.72 min Scan# 4204

Delta R.T. -0.07 min

Lab File: BN000088.D

Acq: 15 Feb 2018 10:06

Instrument :

BNA_N

ClientSampleId :

PB106006BL

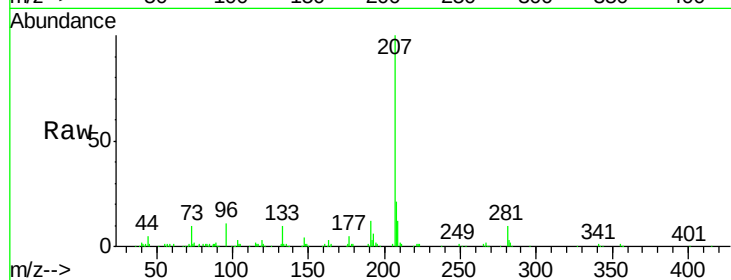
Tot Ion: 276 Resp: 110

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 0.0 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

